APPROVED
Aug 04 2022
BOARD OF RECREATION
AND PARK COMMISSIONERS

BOARD REPORT **NO.** 22-205

DATE August 04, 2022 C.D. 14

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: PERSHING SQUARE RENOVATION PHASE 1A (PRJ21113) (W.O. #E1908536) PROJECT – REJECTION OF BID AND AUTHORIZATION TO RE-BID

AP Diaz		M. Rudnick	
H. Fujita		C. Santo Domingo	DF
B. Jackson		N. Williams	

General Manager

Approved X Disapproved Withdrawn

RECOMMENDATIONS

1. Reject the bid received on July 20, 2022, for the Pershing Square Renovation Phase 1A (PRJ21113) (W.O. #E1908536) Project;

2. Approve the final plans and specifications, substantially in the form on file with the Board of Recreation and Park Commissioners (Board) Office and as attached to this Report, for the Pershing Square Renovation Phase 1A (Re-Bid) (PRJ21113) (W.O. #E1908536) Project (Project);

3. Approve the date to be advertised for receipt of bids as September 7th, 2022, at 2:00 P.M. electronically to the Board Office; and,

4. Authorize RAP's Chief Accounting Employee or Designee to make technical corrections as necessary to carry out the intent of this Report.

SUMMARY

Pershing Square began its life as a public square in 1866 and is considered the City's oldest park. In its long history from open pasture to an actively-programmed urban park, Pershing Square has undergone multiple programmatic and construction improvements in the last 150 years and was most recently renovated in 1994. In 2015, an international design competition was launched to reimagine the park. With the Phase 1A design completed, this landmark park now stands ready to begin transformation into its next chapter.

The 5-acre Pershing Square is located at 530 S. Oliver Street, in the Jewelry District of Downtown Los Angeles, bounded by Fifth Street to the north, Hill Street to the east, Sixth Street to the south, and Olive Street to the west. This 5.02 acre facility, which is located atop an underground public parking facility, provides a large plaza, landscaped areas, a children's play area, and community

rooms, for the use of the general public and the surrounding community. Approximately 13,541 City residents live within a one-half mile walking distance of Pershing Square. Due to the size of the park, and the facilities, features, and programs it provides, Pershing Square meets the standard for a Community Park, as defined in the City's Public Recreation Plan.

BACKGROUND

In late 2012, the Fourteenth Council District Office began a series of public outreach and community meetings with the goal of gaining support, leveraging funds, and developing partners to make long-term improvements to Pershing Square. The community and municipal advocates participating in the community outreach events eventually became known as the Pershing Square Task Force. The Pershing Square Task Force was further formalized and became known as Pershing Square Renew.

In 2015, Pershing Square Renew launched an ambitious international competition. On August 12, 2015, the Board approved an Agreement for the design and renovation of Pershing Square Park with Pershing Square Renew (Report No. 15-171). Approximately 80 design firms responded to the competition, ten firms were shortlisted, and eventually four finalists were selected to enter the design competition. On May 12, 2016, Paris-based design firm Agence Ter was selected the winner of the design competition. On June 15, 2016, Agence Ter presented the competition-winning design to the Board's Facility Repair and Maintenance Task Force.

On May 22, 2017, the Board of Public Works authorized the Bureau of Engineering (BOE) to hire its pre-qualified on-call consultant, locally based Gruen Associates (Gruen) to collaborate with Agence Ter to create a feasibility study and develop a master plan for park improvements and the phased implementation of the intent of the competition-winning design. Due to the necessity to preserve the elevators for accessibility and as much of below grade parking as possible, adjustments to the winning entry had to be studied and elaborated to create a realistic master plan for park improvements. Gruen Associates completed the feasibility study and master plan in March 2018.

The design team created a master plan that would renovate the park in multiple phases. The scope of work of each phase is summarized below:

1. Phase 1A: Perimeter improvements along Olive Street, including demolition of the existing café structure and elevators, revitalization of the park edge landscaping, addition of the new street-level entry plaza, and installation of two (2) new glass elevators and the communicating stairs serving the garage levels below for improved accessibility and security.

2. Phase 1B: Park-front edge condition and perimeter landscaping improvements along 5th Street and 6th Street.

3. Phase 2: Edge improvements with a new pedestrian grand promenade along Hill Street, revitalized landscaping, addition of the new street promenade as well as two (2) new glass elevators and the communicating stairs serving the garage levels below.

4. Phase 3: Removal of the existing raised concrete decks to lower the park surface to the same level as the adjacent surrounding streets. Install natural turf, landscaping, concession structures and other improvements consistent with Agence Ter's competition-winning design.

On September 23, 2019, the Board of Public Works authorized the BOE to hire Gruen and Agence Ter to begin the design and the construction documents production of Phase 1A, 1B and Phase 2 based on the scope of work above. Phase 1A was presented to the Facility Repair and Maintenance Commission Task Force on November 18, 2021, and it was recommended to be presented to the Board.

On May 19, 2022, the Board of Recreation and Park Commissioners (Board) approved the final plans for Phase 1A and called for bids through the Department of Recreation and Parks' (RAP) Pre-qualified General Contractors for Park Facilities Construction – New Facility Construction (PQGC) (Report No. 22-124). The City Engineer's estimate for the Project's construction cost was Six Million and Seven Hundred Thousand Dollars ($6,700,000), which included Six Hundred Seventy Thousand Dollars ($670,000) of construction contingency.

On July 20, 2022, one (1) bid was received from Ford E.C, Inc. from the list of ten (10) pre-qualified contractors on the PQGC. The bid amount received is listed in the following table:

No.	Contractor	Base Bid
1	Ford E.C, Inc	$11,893,000.00

Although a single bid was received, the project cannot be awarded as the bid price is too high and exceeds the approved and available funding for the Phase 1A. Staff recommends that the Board reject the bid and re-bid the Project to potential bidders beyond RAP's PQGC in order to receive more competitive bid prices, help preserve the City's limited resources, and meet the project budget and schedule.

After evaluation of the bid that was received, staff has re-estimated the construction costs of this Project to be Eight Million, Nine Hundred and Fifty Thousand Dollars ($8,950,000), which takes into account current market rate for construction costs. The Project scope will remain the same as described above and previously approved by the Board on May 19, 2022, and as attached as Attachment 1 to this Report.

PROJECT FUNDING

Funds are available for construction and constructions contingency from the following funds and accounts:

FUNDING SOURCE	FUND/DEPT./ACCT. NO
Pershing Square Capital Improvement	58Q/89/89N864
Pershing TFAR Funds	58Q/89/89N865

TREES AND SHADE

The Project will remove (5) existing trees on Olive Street, inside of the park's property, and plant seventeen (19) new trees, new shrubs and groundcovers.

The trees and associated square footage to be removed consist of (1) Silk Floss- 314 sq. ft., (2) Tipu -1,412 sq. ft., (2) Forest Pansy- 76 sq. ft., totaling approximately 1,802 sq. ft. The cumulative Diameter at Breast Height (DBH) of the five existing trees to be removed in Phase 1A is 51".

The new trees proposed to be planted are: fourteen (14) Peppermint, two (2) Texas White Redbud, one (1) Western Redbud, one (1) Burgundy Desert Willow, and one (1) Warren Jones Desert Willow. The cumulative DBH of the 19 new trees to be planted in Phase 1A total 52".

At the time of Phase 1A construction completion, the trees would provide approximately 280 square feet of canopy coverage. At five (5) years after construction completion, it is anticipated that these trees will provide up to 2,704 square feet of canopy coverage. Upon full maturity, which varies per tree, the proposed trees will potentially provide 10,042 square feet of canopy cover.

ENVIRONMENTAL IMPACT

This Project was previously evaluated for environmental impact in accordance with the California Environmental Quality Act (CEQA), and the Board has determined that it is categorically exempt from the provisions of CEQA (Report No. 22-124). Therefore, no further documentation is necessary.

FISCAL IMPACT

There will be no fiscal impact to RAP's General Fund associated with the Project. Operations and maintenance costs will be evaluated and included in future RAP annual budget requests.

STRATEGIC PLAN INITIATIVES AND GOALS

Approval of this Board Report advances RAP's Strategic Plan by supporting:

Goal No. 1: Create and Maintain World Class Parks and Facilities
Outcome No. 2: Long-term park system planning is guided by community engagement, data, and a commitment to equity

This Report was prepared by Darryl Ford, Superintendent, RAP Planning, Maintenance and Construction Branch.

LIST OF ATTACHMENTS

Attachment 1 – Final Plans and Specifications

PERSHING SQUARE

PHASE 1 (-1A)

Attachment No. 1

530 S OLIVE ST, LOS ANGELES, CA 90013



BUREAU OF ENGINEERING OFFICIAL RECORD

BUREAU OF ENGINEERING OFFICIAL RECORD

PROJECT MANAGMENT

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-

12/16/2021

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER GARY LEE MOORE No. C-48446 CIVIL STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ACCEPTED BY :
CITY ENGINEER
DATE 11/22/2021

DEPUTY CITY ENGINEER / PROGRAM MANAGER
Gary Lee Moore
DATE

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: COVER SHEET

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
G000-1A

SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:06:45 AM

PLOTTED: 11/3/2021 9:06:45 AM

Sheet Number	Sheet Name	50% CD	75% CD	90% CD	P.C. SET
LIGHTING					
LI100	LIGHTING COVER SHEET	X	X	X	X
LI111-1A	GROUND LEVEL - LIGHTING PLAN	X	X	X	X
LI121-1A	PARKING LEVEL 1 - LIGHTING PLAN	X	X	X	X
LI131-1A	PARKING LEVEL 2 - LIGHTING PLAN	X	X	X	X
LI141-1A	PARKING LEVEL 3 - LIGHTING PLAN	X	X	X	X
LI791-1A	ELEVATOR CAB - LIGHTING PLANS			X	X
ENVIRONMENTAL GRAPHICS					
EG01-1A	SHEET INDEX	X	X	X	X
EG02-1A	EXISTING SIGNS TO BE REMOVED - IDENTITY	X	X	X	X
EG03-1A	EXISTING SIGNS TO BE REMOVED - DIRECTION	X	X	X	X
EG04-1A	EXISTING SIGNS TO BE REMOVED - REGULATORY	X	X	X	X
EG05-1A	SITE PLAN AND CONSTRUCTION PHASES	X	X	X	X
EG06-1A	CIRCULATION PLAN	X	X	X	X
EG07-1A	SIGN ELEMENTS	X	X	X	X
EG08-1A	SIGN TYPES	X	X	X	X
EG09-1A	SIGN LOCATION PLAN - GROUND LEVEL	X	X	X	X
EG10-1A	SIGN LOCATION PLAN - PARKING LEVEL 1	X	X	X	X
EG11-1A	SIGN LOCATION PLAN - PARKING LEVEL 2	X	X	X	X
EG12-1A	SIGN LOCATION PLAN - PARKING LEVEL 3	X	X	X	X
EG13-1A	SIGN DETAILS - A2 PAVEMENT STREET IDENTITY	X	X	X	X
EG14-1A	SIGN DETAILS - A2 PAVEMENT STREET IDENTITY			X	X
EG15-1A	SIGN DETAILS - A2 PAVEMENT STREET IDENTITY				X
EG16-1A	SIGN DETAILS - A2 PAVEMENT STREET IDENTITY				X
EG17-1A	SIGN DETAILS - A3 ELEVATOR IDENTITY GRAPHIC	X	X	X	X
EG18-1A	SIGN DETAILS - A4 ELEVATOR STREET IDENTITY	X	X	X	X
EG19-1A	SIGN DETAILS - A5 ELEVATOR LEVEL IDENTITY	X	X	X	X
EG20-1A	SIGN DETAILS - A6 STAIR IDENTITY	X	X	X	X
EG21-1A	SIGN DETAILS - A7 GARAGE PYLON IDENTITY	X	X	X	X
EG22-1A	SIGN DETAILS - A8 GARAGE ENTRANCE IDENTITY	X	X	X	X
EG23-1A	SIGN DETAILS - A9 COLUMN IDENTITY	X	X	X	X
EG24-1A	SIGN DETAILS - B1 MAP/CONDUCT PYLON	X	X	X	X
EG25-1A	SIGN DETAILS - C1 EVENT DISPLAY PYLON	X	X	X	X
EG26-1A	SIGN DETAILS - C3 ELEVATOR DIRECTORY	X	X	X	X
EG27-1A	SIGN DETAILS - C4 PARKING INFORMATION	X	X	X	X
EG28-1A	SIGN DETAILS - D1 ACCESSIBILTY ROUTE SIGN	X	X	X	X
EG29-1A	SIGN DETAILS - D2 PLAY AREA CONDUCT	X	X	X	X
EG30-1A	SIGN DETAILS - D4 GARAGE CLEARANCE	X	X	X	X
EG31-1A	SIGN DETAILS - D5 ELEVATOR ADA IDENTITY	X	X	X	X
EG32-1A	SIGN DETAILS - D6 EVACUATION PLAN	X	X	X	X
EG33-1A	SIGN DETAILS - D7 STAIR EXIT IDENTITY	X	X	X	X
EG34-1A	SIGN DETAILS - D8 STAIRWELL ADA IDENTITY	X	X	X	X
EG35-1A	SIGN DETAILS - D9 STAIRWELL LEVEL CBC IDENTITY	X	X	X	X

Sheet Number	Sheet Name	50% CD	75% CD	90% CD	P.C. SET
ARCHITECTURAL					
A531-1A	EXTERIOR WALL DETAILS	X	X	X	X
A532-1A	EXTERIOR WALL DETAILS	X	X	X	X
A533-1A	EXTERIOR WALL DETAILS	X	X	X	X
A534-1A	STEPPED PLAZA TRANSITION DETAILS			X	X
A535-1A	EXTERIOR WALL DETAILS - ALTERNATE BID	X	X	X	X
A591	EXTERIOR WALL DETAILS	X	X	X	X
A601-1A	DOOR SCHEDULE		X	X	X
A603	DOOR DETAILS	X	X	X	X
A641-1A	ROOM AND FINISH SCHEDULE				
A642	PARTITION TYPES	X	X	X	X
A643	PARTITION TYPES	X	X	X	X
A701-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION	X	X	X	X
A702-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION	X	X	X	X
A703-1A	OLIVE ST. STAIRS - PLANS & SECTIONS	X	X	X	X
A704-1A	OLIVE ST. STAIRS - PLANS & SECTIONS	X	X	X	X
A705-1A	OLIVE ST. ELEVATORS - PLANS & SECTIONS	X	X	X	X
A721	HANDRAIL & CONCRETE STAIR DETAILS	X	X	X	X
A722	HANDRAIL & CONCRETE STAIR DETAILS	X	X	X	X
A724	HANDRAIL DETAILS	X	X	X	X
A725	GUARDRAIL & POST ATTACHMENT DETAILS	X	X	X	X
A761-1A	ELEVATORS - OLIVE STREET PLAZA	X	X	X	X
A762-1A	ELEVATORS - OLIVE STREET PLAZA				X
A763-1A	ELEVATORS - OLIVE STREET ROOF PLAN				X
A764-1A	ELEVATORS - OLIVE STREET P1 LEVEL		X	X	X
A765-1A	ELEVATORS - OLIVE STREET P1 LEVEL			X	X
A766-1A	ELEVATORS - OLIVE STREET P2 & P3 LEVEL		X	X	X
A767-1A	ELEVATORS - OLIVE STREET P2 & P3 LEVEL			X	X
A768-1A	ELEVATOR PIT - OLIVE STREET				X
A771-1A	ELEVATOR DETAILS	X	X	X	X
A772-1A	ELEVATOR DETAILS				X
A773-1A	ELEVATOR DETAILS				X
A781	ELEVATOR DETAILS	X	X	X	X
A782	ELEVATOR DETAILS	X	X	X	X
A783	ELEVATOR DETAILS	X	X	X	X
A784	ELEVATOR DETAILS				X
A791-1A	ELEVATOR CAB PLANS	X	X	X	X
A792-1A	ELEVATOR CAB INTERIOR ELEVATIONS	X	X	X	X
A795-1A	ELEVATOR CAB DETAILS	X	X	X	X
A796	ELEVATOR CAB DETAILS	X	X	X	X
A825	INTERIOR DETAILS	X	X	X	X
MECHANICAL					
M00-01	MECHANICAL LEGEND, NOTES AND ABBREVIATIONS	X	X	X	X
M00-02	MECHANICAL SCHEDULES	X	X	X	X
M111-1A	GROUND LEVEL - MECHANICAL DEMO PLAN	X	X	X	X
M121-1A	PARKING LEVEL 1 - MECHANICAL DEMO PLAN			X	X
M131-1A	PARKING LEVEL 2 - MECHANICAL DEMO PLAN			X	X
M141-1A	PARKING LEVEL 3 - MECHANICAL DEMO PLAN			X	X
M211-1A	GROUND LEVEL - MECHANICAL PLAN	X	X	X	X
M221-1A	PARKING LEVEL 1 - MECHANICAL PLAN	X	X	X	X
M30-01	MECHANICAL DETAILS	X	X	X	X
PLUMBING					
P00-01	PLUMBING LEGEND, NOTES, AND ABBREVIATIONS			X	X
P111-1A	GROUND LEVEL - PLUMBING DEMO PLAN			X	X
P121-1A	PARKING LEVEL 1 - PLUMBING DEMO PLAN			X	X
P131-1A	PARKING LEVEL 2 - PLUMBING DEMO PLAN			X	X
P141-1A	PARKING LEVEL 3 - PLUMBING DEMO PLAN			X	X
P211-1A	GROUND LEVEL - PLUMBING PLAN			X	X
P221-1A	PARKING LEVEL 1 - PLUMBING PLAN			X	X
P231-1A	PARKING LEVEL 2 - PLUMBING PLAN			X	X
P241-1A	PARKING LEVEL 3 - PLUMBING PLAN			X	X
P30-01	PLUMBING SCHEDULE AND DETAILS			X	X
P40-01-1A	PLUMBING RISER DIAGRAMS				X
ELECTRICAL					
E000-01	ELECTRICAL LEGEND AND NOTES	X	X	X	X
E000-02	PARTIAL SINGLE LINE DIAGRAM	X	X	X	X
E000-03	LIGHTING FIXTURE SCHEDULES	X	X	X	X
E000-04	LIGHTING CONTROL DETAILS	X	X	X	X
E000-05	PANEL AND LIGHTING RELAY SCHEDULES	X	X	X	X
E000-06	INDOOR T24 FORMS			X	X
E000-07	OUTDOOR T24 FORMS			X	X
E111-1A	GROUND LEVEL - DEMO PLAN	X	X	X	X
E121-1A	PARKING LEVEL 1 - DEMO PLAN	X	X	X	X
E211-1A	GROUND LEVEL - LIGHTING PLAN	X	X	X	X
E221-1A	PARKING LEVEL 1 - LIGHTING PLAN	X	X	X	X
E231-1A	PARKING LEVEL 2 - LIGHTING PLAN	X	X	X	X
E241-1A	PARKING LEVEL 3 - LIGHTING PLAN	X	X	X	X
E261-1A	PHASE 1A ELECTRICAL ENLARGED PLANS	X	X	X	X

Sheet Number	Sheet Name	50% CD	75% CD	90% CD	P.C. SET
LANDSCAPE					
L300-1A	IRRIGATION LEGEND AND NOTES	X	X	X	X
L401-1A	IRRIGATION PLAN			X	X
L500-1A	IRRIGATION DETAILS	X	X	X	X
L501-1A	IRRIGATION DETAILS	X	X	X	X
L502-1A	IRRIGATION DETAILS	X	X	X	X
L600-1A	PLANTING NOTES	X	X	X	X
L601-1A	PLANTING LEGEND	X	X	X	X
L701-1A	PLANTING PLAN	X	X	X	X
L702-1A	PLANTING PLAN	X	X	X	X
L703-1A	PLANTING PLAN	X	X	X	X
L800-1A	PLANTING DETAILS	X	X	X	X
L801-1A	PLANTING DETAILS				X
STRUCTURAL					
S000-1A	ABBREVIATIONS, LEGENDS AND SHEET INDEX	X	X	X	X
S001-1A	GENERAL STRUCTURAL NOTES	X	X	X	X
S002-1A	GENERAL STRUCTURAL NOTES	X	X	X	X
S003-1A	TESTING, INSPECTION, AND OBSERVATION				X
S004-1A	TESTING, INSPECTION, AND OBSERVATION				X
SD111-1A	GROUND LEVEL - DEMO PLAN	X	X	X	X
SD121-1A	PARKING LEVEL 1 - DEMO PLAN	X	X	X	X
SD131-1A	PARKING LEVEL 2 - DEMO PLAN	X	X	X	X
SD141-1A	PARKING LEVEL 3 - DEMO PLAN	X	X	X	X
SD151-1A	ENLARGED PLANS - PLAZA - DEMO PLAN				X
SD161-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION - DEMO				X
SD162-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION - DEMO				X
S111-1A	GROUND LEVEL - PLAN	X	X	X	X
S121-1A	PARKING LEVEL 1 - PLAN	X	X	X	X
S131-1A	PARKING LEVEL 2 - PLAN	X	X	X	X
S141-1A	PARKING LEVEL 3 - PLAN	X	X	X	X
S151-1A	ENLARGED PLANS - PLAZA	X	X	X	X
S161-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION	X	X	X	X
S162-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION	X	X	X	X
S401-1A	CONCRETE TYPICAL DETAILS	X	X	X	X
S402-1A	CONCRETE TYPICAL DETAILS	X	X	X	X
S501-1A	CONCRETE TYPICAL DETAILS	X	X	X	X
S502-1A	CONCRETE TYPICAL DETAILS	X	X	X	X
S510-1A	CONCRETE BEAM DETAILS	X	X	X	X
S511-1A	CONCRETE BEAM DETAILS	X	X	X	X
S512-1A	CONCRETE BEAM DETAILS				X
S520-1A	CONCRETE STAIR DETAILS	X	X	X	X
S601-1A	STEEL TYPICAL DETAILS	X	X	X	X
S620-1A	ELEVATOR DETAILS	X	X	X	X
S650-1A	TYPICAL STEEL DECK DETAILS	X	X	X	X
S701-1A	PARTIAL PLANS	X	X	X	X
S702-1A	OLIVE STREET ELEVAORS - PLANS AND SECTIONS	X	X	X	X
S703-1A	OLIVE STREET ELEVAORS - PLANS AND SECTIONS	X	X	X	X
ARCHITECTURAL					
A111-1A	GROUND LEVEL - PLAN	X	X	X	X
A112-1A	GROUND LEVEL - SLAB PLAN			X	X
A121-1A	PARKING LEVEL 1 - PLAN	X	X	X	X
A131-1A	PARKING LEVEL 2 - PLAN	X	X	X	X
A141-1A	PARKING LEVEL 3 - PLAN	X	X	X	X
A151-1A	ENLARGED PLANS - PLAZA	X	X	X	X
A153-1A	ENLARGED PLANS - STREET SCAPE ENHANCEMENT	X	X	X	X
A154-1A	ENLARGED SLAB PLANS - PLAZA			X	X
A161-1A	ENLARGED PLANS - P1 LEVEL	X	X	X	X
A171-1A	ENLARGED PLANS - P2 LEVEL	X	X	X	X
A181-1A	ENLARGED PLANS - P3 LEVEL	X	X	X	X
A261-1A	ENLARGED RCP - PARKING LEVEL 1	X	X	X	X
A271-1A	ENLARGED RCP - PARKING LEVEL 2	X	X	X	X
A281-1A	ENLARGED RCP - PARKING LEVEL 3	X	X	X	X
A351-1A	SECTIONS				X
A353-1A	SECTIONS				X
A361-1A	WALL SECTIONS	X	X	X	X
A362-1A	WALL SECTIONS	X	X	X	X
A401-1A	ENLARGED PLANS - PLAZA TRANSITIONS	X	X	X	X
A402-1A	ENLARGED PLANS - PLAZA TRANSITIONS				X
A411	LEVEL P1 TOILET ROOM				X
A412	LEVEL P1 TOILET ROOM - DEMO				X
A451-1A	ENLARGED PLANS - MONUMENT RELOCATION			X	X
A501	WATERPROOFING DETAILS	X	X	X	X

Sheet Number	Sheet Name	50% CD	75% CD	90% CD	P.C. SET
GENERAL					
G000-1A	COVER SHEET	X	X	X	X
G001-1A	SHEET INDEX	X	X	X	X
G002	PROJECT INFORMATION, ABBREVIATIONS & SYMBOLS	X	X	X	X
G003	GENERAL NOTES	X	X	X	X
G004	ACCESSIBILITY NOTES	X	X	X	X
G005	ACCESSIBILITY NOTES	X	X	X	X
G006	ACCESSIBILITY NOTES	X	X	X	X
G007-1A	GREEN BUILDING NOTES				X
G008	GREEN BUILDING NOTES				X
G009	LA SOILS REPORT APPROVAL LETTER				X
G020	ADA REQUEST FOR MODIFICATION				X
G021	ADA REQUEST FOR MODIFICATION				X
G022-1A	DRAFT CURTAIN REQUEST FOR MODIFICATION				X
G023-1A	DRAFT CURTAIN REQUEST FOR MODIFICATION				X
G101-1A	GROUND LEVEL - LIFE SAFETY	X	X	X	X
G102-1A	PARKING LEVEL 1 - LIFE SAFETY	X	X	X	X
G103-1A	PARKING LEVEL 2 - LIFE SAFETY	X	X	X	X
G104-1A	PARKING LEVEL 3 - LIFE SAFETY	X	X	X	X
G111-1A	GROUND LEVEL - EXISTING PLAN	X	X	X	X
G221-1A	PARKING LEVEL 1 - ACCESSIBILITY PLAN				X
DEMOLITION					
D100	DEMOLITION NOTES				X
D111-1A	GROUND LEVEL - DEMO PLAN	X	X	X	X
D112-1A	GROUND LEVEL - DEMO SLAB PLAN			X	X
D121-1A	PARKING LEVEL 1 - DEMO PLAN	X	X	X	X
D131-1A	PARKING LEVEL 2 - DEMO PLAN	X	X	X	X
D141-1A	PARKING LEVEL 3 - DEMO PLAN	X	X	X	X
D151-1A	ENLARGED PLANS - PLAZA	X	X	X	X
D152-1A	ENLARGED PLANS - STREET SCAPE ENHANCEMENT	X	X	X	X
D153-1A	ENLARGED SLAB PLANS - PLAZA			X	X
D161-1A	PARKING LEVEL 1 - DEMO PLAN	X	X	X	X
D171-1A	PARKING LEVEL 2 - DEMO PLAN	X	X	X	X
D181-1A	PARKING LEVEL 3 - DEMO PLAN	X	X	X	X
D261-1A	ENLARGED RCP - PARKING LEVEL 1	X	X	X	X
D271-1A	ENLARGED RCP - PARKING LEVEL 2	X	X	X	X
D281-1A	ENLARGED RCP - PARKING LEVEL 3	X	X	X	X
D351-1A	DEMO - SECTIONS	X	X	X	X
D352-1A	DEMO - SECTIONS	X	X	X	X
D361-1A	DEMO - WALL SECTIONS	X	X	X	X
D362-1A	DEMO - WALL SECTIONS	X	X	X	X
D401-1A	ENLARGED PLANS - WALKWAY AT DRIVE AISLE	X	X	X	X
D500-1A	DEMO IMAGE	X	X	X	X
D501-1A	DEMO IMAGE	X	X	X	X
D502-1A	DEMO IMAGE	X	X	X	X
CIVIL					
C001-1A	TITLE SHEET	X	X	X	X
C100-1	SURVEY (FOR REFERENCE ONLY)	X	X	X	X
C101-1	SURVEY (FOR REFERENCE ONLY)	X	X	X	X
C102-1	SURVEY (FOR REFERENCE ONLY)	X	X	X	X
C110-1	EROSION CONTROL AND DEMOLITION PLAN	X	X	X	X
C120-1A	PHASE 1A GRADING AND DRAINAGE PLAN	X	X	X	X
C121-1A	PHASE 1A GRADING SECTIONS	X	X	X	X
C500-1A	CIVIL DETAILS	X	X	X	X
LANDSCAPE					
LA001-1A	HARDSCAPE NOTES & LEGEND OFFSITE IMPROVEMENTS			X	X
LA150-1A	HARDSCAPE PLAN OFFSITE IMPROVMENTS			X	X
LA200-1A	HARDSCAPE DETAILS OFFSITE IMPROVMENTS			X	X
LA300-1A	IRRIGATION NOTES OFFSITE IMPROVMENTS			X	X
LA401-1A	IRRIGATION PLAN OFFSITE IMPROVMENTS			X	X
LA500-1A	IRRIGATION DETAILS OFFSITE IMPROVMENTS			X	X
LA600-1A	PLANTING NOTES & SCHEDULE OFFSITE IMPROVMENTS			X	X
LA701-1A	PLANTING PLAN OFFSITE IMPROVMENTS			X	X
LA800-1A	PLANTING DETAILS OFFSITE IMPROVMENTS			X	X
L100	TREE MITIGATION NOTES			X	X
L150	TREE MITIGATION PLANS			X	X
L200	TREE MITIGATION DETAILS			X	X
L001-1A	HARDSCAPE NOTES	X	X	X	X
L002-1A	HARDSCAPE LEGEND	X	X	X	X
L111-1A	OVERALL SITE PLAN	X	X	X	X
L150-1A	HARDSCAPE PLAN	X	X	X	X
L151-1A	HARDSCAPE PLAN	X	X	X	X
L160-1A	HARDSCAPE SECTIONS	X	X	X	X
L200-1A	HARDSCAPE DETAILS	X	X	X	X
L201-1A	HARDSCAPE DETAILS	X	X	X	X

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REVISION DATE: 11/5/2021 4:17:50 PM

REVISION DATES (DESIGN STAGE ONLY)

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ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence**ter**
PAYSAGISTES URBANISTES

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER **GARY LEE MOORE, PE, ENV SP** DATE: 12/16/2021

ARCHITECTURAL DIVISION LIC. NO. C23665

ARCHITECT: DEBRA GEROD

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERGE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: SHEET INDEX

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **G001-1A**

SHEET OF SHEETS

PLOTTED: 11/5/2021 4:17:50 PM

REFERENCE SYMBOLS

CIRCLED AREA SHOWN ON LARGE SCALE DETAIL — X / X — DETAIL NUMBER / SHEET NUMBER

DETAIL REFERENCE — X / X — DETAIL NUMBER / SHEET NUMBER

BUILDING SECTION/ DETAIL REFERENCE (SHOWN ON PLAN) — X / X — SECTION NUMBER / SHEET NUMBER

ELEVATION REFERENCE (SHOWN ON PLAN) — X / X — ELEVATION NUMBER / SHEET NUMBER

WALL SECTION (SHOWN ON PLAN/ELEVATION) — X / X — SECTION NUMBER / DWG. NUMBER

MATCH LINE

ROOM NUMBER — ROOM NAME / XXXX — ROOM NAME / ROOM NUMBER

DOOR NUMBER — XXX — DOOR NUMBER

PARTITION TYPES — XX / X|X — SEE SHEET A642

INTERIOR ELEVATION — ROOM NAME / XXXX / X/XXXX — ROOM NAME / ROOM NUMBER / SHEET NUMBER / DETAIL NUMBER

DIMENSION LINES — STRUCT. DIM. INDICATION (CONC. CMU. WALL, ETC.)

ELEVATION MARK

DETAIL TITLE:

3 TITLE
SCALE: 1 1/2" = 1'-0"

DETAIL TITLE / SCALE OF DETAIL / DETAIL NUMBER

REVISION MARK — X — REVISION NUMBER

WINDOW TYPE. — X — WINDOW NUMBER

STANDARD ABBREVIATIONS

A.B.	AMBULATORY
ACC.	ACCESSIBLE
A.D.	AREA DRAIN
ADJ.	ADJACENT OR ADJUSTABLE
AFF.	ABOVE FINISH FLOOR
ALT.	ALTERNATIVE
APPROX.	APPROXIMATE
ARCH.	ARCHITECT(URAL)
BLDG.	BUILDING
BO.	BOTTOM OF
CB.	CATCH BASIN
C.L.	CENTER LINE
CL.	CLOSET
CLG.	CEILING
CLR.	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT.	CONTINUOUS
CTR.	CENTER
C.W.	COLD WATER
DIA.	DIAMETER
D.F.	DRINKING FOUNTAIN
DIM.	DIMENSION
DN.	DOWN
D.S.	DOWNSPOUT
DWG.	DRAWING
EA.	EACH
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
E.O.	EDGE OF
EQ.	EQUAL
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
F.A.	FIRE ALARM
F.B.O.	FURNISHED BY OWNER
F.D.	FLOOR DRAIN
F.E.C.	FIRE EXTINGUISHER CABINET
F.E.H.	FIRE EXTENSION HOOK
F.F.	FINISH FACE OR FLOOR
F.L.	FLOW LINE
FLR.	FLOOR
F.O.	FACE OF
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.S.	FINISHED SURFACE
GA.	GAUGE
H.C.	ACCESSIBLE
H.P.	HIGH POINT
HT.	HEIGHT
H.W.	HOT WATER
I.D.	INSIDE DIAMETER
IGU	INSULATED GLAZING UNIT
INT.	INTERIOR
JT.	JOINT
M	METER
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MIR.	MIRROR OR OPPOSITE HAND
MISC.	MISCELLANEOUS
MM	MILLIMETER
M.O.	MASONRY OPENING
MTD.	MOUNTED
MTL.	METAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER OR OVERFLOW DRAIN
P.L.	PROPERTY LINE
QTY.	QUANTITY
R.	RISER OR RADIUS
RD.	ROOF DRAIN
REF.	REFERENCE
REINF.	REINFORCED
RM.	ROOM
R.O.	ROUGH OPENING
SECT.	SECTION
SIM.	SIMILAR
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.F.	SQUARE FOOT
SLB	SLAB
STD.	STANDARD
STRUCT	STRUCTURAL
SYM.	SYMMETRICAL
T.	TREAD
TEL.	TELEPHONE
TEMP.	TEMPERED
TI	TENANT IMPROVEMENT
T.O.C.	TOP OF CURB
T.O.D.	TOP OF DRAIN
T.O.R.	TOP OF ROOF
T.O.S.	TOP OF STRUCTURE
T.O.S.B.	TOP OF STRUCTURAL BEAM
T.O.S.S.	TOP OF STRUCTURAL SLAB
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VAR.	VARIES
VEST.	VESTIBULE
V.I.F.	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
W.C.	WATER CLOSET
&	AND
<	ANGLE OR LESS THAN
>	MORE THAN
@	AT
℄	CENTERLINE
[	CHANNEL
Ø	DIAMETER OR ROUND
#	NUMBER

DEFERRED SUBMITTALS

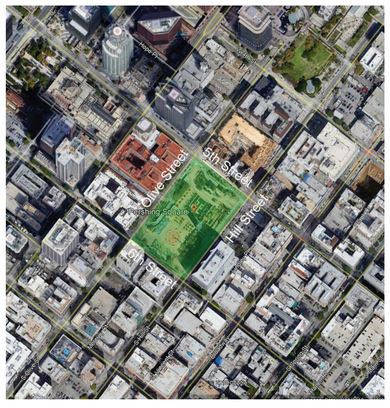
A SEPERATE APPLICATION AND PERMIT IS REQIURED FOR THE FOLLOWING:

1. ELEVATORS
2. ELEVATOR ENCLOSURE GLAZING
3. FIRE SPRINKLERS

PROJECT SITE MAP



VICINITY MAP



PROJECT IDENTIFICATION

OWNER: CITY OF LOS ANGELES RECREATION AND PARKS DEPARTMENT
201 N. FIGUEROA ST, 3RD FLOOR
LOS ANGELES, CA 90012
TEL. NO. (213) 202-2700

PROJECT ADDRESS: 530 S. OLIVE STREET
LOS ANGELES, CA 90013

LEGAL DESCRIPTION: APN - 5149031900, TRACT - ORD'S SURVEY, BLOCK - 15, LOT - "UNNUMBERED LOT"

APPLICABLE BUILDING CODE:
2019 CALIFORNIA BUILDING CODE (CBC) - PART 2, TITLE 24
2019 CALIFORNIA ELECTRICAL CODE (CEC) - PART 3, TITLE 24
2019 CALIFORNIA MECHANICAL CODE (CMC) - PART 4, TITLE 24
2019 CALIFORNIA PLUMBING CODE (CPC) - PART 5, TITLE 24
2019 CALIFORNIA FIRE CODE (CFC) - PART 9, TITLE 24
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC) - PART 11, TITLE 24
2019 BUILDING STANDARDS CODE - PART 12, TITLE 24
AMERICANS WITH DISABILITIES ACT (ADA), PER 2019 EDITION CBC
NFPA 13, INSTALLATION OF SPRINKLERS, 2016 EDITION
NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, 2016 EDITION
NFPA 24, PRIVATE FIRE SERVICE MAIN AND THEIR APPURTENANCES, 2016 EDITION
NFPA 70, NATIONAL ELECTRICAL CODE, 2014 EDITION
NFPA 72, NATIONAL FIRE ALARM CODE, 2016 EDITION
NFPA 92, STANDARD FOR SMOKE CONTROL SYSTEMS, 2015 EDITION
NFPA 2016 EDITION - CLEAN AGENT FIRE EXTINGUISHER SYSTEMS
INDUSTRIAL RISK INSURERS, IRI - FOR DESIGN OF FIRE PROTECTION SYSTEMS
ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA), 10TH EDITION
ALL ELECTRICAL MATERIALS AND EQUIPMENT LISTED AND LABELED BY UNDERWRITERS LABORATORIES

DESCRIPTION: RENOVATION OF PARK AND PLAZA. NEW VERTICAL TRANSPORTATION HUB FROM GROUND LEVEL TO PARKING LEVEL 3.
NO CHANGE TO EXISTING SQUARE FOOTAGE.

CONSTRUCTION TYPE: TYPE IB

FIRE PROTECTION: AUTOMATIC FIRE SPRINKLER SYSTEM AND FIRE ALARM WITH EMERGENCY VOICE THROUGHOUT

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS SHALL BE AS REQUIRED BY CBC CHAPTER 6 TABLE 601:

PRIMARY STRUCTURAL FRAME:	0 HOUR
BEARING WALLS:	
EXTERIOR:	0 HOUR
INTERIOR:	0 HOUR
NONBEARING WALLS:	
EXTERIOR:	0 HOUR
INTERIOR:	(SEE PARTITION SCHEDULE)
FLOOR AND ASSOCIATED SECONDARY MEMBERS:	0 HOUR
ROOF AND ASSOCIATED SECONDARY MEMBERS:	0 HOUR
SHAFT ENCLOSURES:	1 HOUR

IN ADDITION, FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE SHALL BE AS REQUIRED BY CBC CHAPTER 6, TABLE 602.

FIRE SEPARATION DISTANCE GROUP A	OCCUPANCY
X < 5	1 HOUR
5 ≤ X < 10	1 HOUR
10 ≤ X < 30	0 HOUR
X ≥ 30	0 HOUR

ALLOWABLE HEIGHT: -

BUILDING HEIGHT: -

NUMBER OF STORIES: 1 STORY (1 STORY PER CBC TABLE 504.4)

BUILDING OCCUPANCIES: A-3: 213,303 S.F. PARK
S-2: 629,712 S.F. SUBTERRANEAN PARKING GARAGE

BUILDING AREA (GFA): TOTAL PROVIDED: 843,015 S.F.

PARK LEVEL =	213,303 S.F.
PARKING LEVEL 1 =	209,904 S.F.
PARKING LEVEL 2 =	209,904 S.F.
PARKING LEVEL 3 =	209,904 S.F.

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2020
ARCHITECTURAL DIVISION LIC. NO. C23665 DATE: 11/08/2021
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PROJECT INFORMATION, ABBREVIATIONS & SYMBOLS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
G002

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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REVISION DATE: 11/3/2021 9:06:52 AM

PLOTTED: 11/3/2021 9:06:52 AM

5. EVERY PROJECTION INTO ELEVATOR HOISTWAY OVER 2" INCHES WIDTH SHALL BE COVERED BY 18 GAUGE (MIN) SHEET METAL OR CONTINUOUS STRIP OF GYPSUM BOARD SLOPED 75 DEGREES TO HORIZONTAL SURFACE OF PROJECTION.

6. FURNISH NECESSARY SUPPORTS AND BACKING. WHERE UNSUPPORTED HEIGHT OF GUIDE RAILS EXCEEDS 14'-0".

7. PROVIDE A STEEL LADDER INTO EACH ELEVATOR PIT. VERIFY LOCATION WITH ELEVATOR MANUFACTURER'S REQUIREMENTS.

8. ELEVATORS SHALL BE AUTOMATIC SELF-LEVELING, 1/2 INCH TOLERANCE MAXIMUM.

9. ALL ELEVATOR CAR AND HOISTWAY DOORS SHALL BE AUTOMATIC, POWER OPERATED, HORIZONTAL SLIDING TYPE.

10. PROVIDE A VISUAL AND AUDIBLE SIGNAL AT EACH HOISTWAY ENTRANCE INDICATING THE CAR ANSWERING THE CALL AND ITS DIRECTION OF TRAVEL AS FOLLOWS:

    10.1 THE CENTERLINE OF THE SIGNALING FIXTURE SHALL BE A MINIMUM OF 72 INCHES IN HEIGHT FROM THE LOBBY FLOOR.

    10.2 VISUAL SIGNAL FOR EACH DIRECTION SHALL BE A MINIMUM OF 2-1/2 INCHES HIGH BY 2-1/2 INCHES WIDE.

    10.3 VISUAL SIGNAGE SHALL BE VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTON.

    10.4 AUDIBLE SIGNALS SHALL SOUND ONCE FOR UP, TWICE FOR DOWN.

    10.5 AUDIBLE SIGNALS SHALL BE OF A CONFIGURATION, WHICH DISTINGUISHES BETWEEN UP AND DOWN ELEVATOR TRAVEL.

11. PROVIDE LIGHT AT ELEVATOR PIT. PROVIDE LIGHT ABOVE TOP LEVEL OF HOISTWAY FOR WALL MRL ELEVATORS.

150 - MECHANICAL AND PLUMBING

SEE ALSO MECHANICAL AND PLUMBING GENERAL NOTES

1. VERIFY AND MAINTAIN THE CODE AND MANUFACTURER REQUIRED CLEARANCES AROUND INSTALLED EQUIPMENT.

2. ALL FLOOR OPENINGS AT PIPES AND DUCTS SHALL BE SEALED USING APPROVED MATERIALS FOR THAT PURPOSE, EXCEPT WHERE PIPES AND DUCTS ARE IN A 2 HOUR FIRE RESISTIVE SHAFT.

3. HORIZONTAL TRANSITIONS OCCURRING IN DUCT SHAFTS SHALL BE CONSTRUCTED PER THE REQUIREMENTS FOR 2 HOUR FIRE RESISTANCE AND BE SUPPORTED OR SUSPENDED AS REQUIRED.

4. PROVIDE AND INSTALL APPROVED FIRE DAMPERS FOR ALL DUCT PENETRATIONS OF FIRE/SMOKE RESISTIVE WALLS.

5. VENTILATION FOR TOILET ROOMS IS SHOWN ON THE MECHANICAL DRAWINGS AND SHALL COMPLY WITH CBC CHAPTER 12.

6. PROVIDE MECHANICAL EQUIPMENT PADS IN THE SIZES AND LOCATIONS REQUIRED TO ACCOMMODATE THE MECHANICAL EQUIPMENT. SIZES AND LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY.

7. ALL FIRE SPRINKLER PLANS SHALL BE SUBMITTED TO BUILDING, FIRE AND PLUMBING DEPARTMENT FOR APPROVAL AND PERMIT PRIOR TO INSTALLATION.

8. THE SPRINKLER HEAD LOCATIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO ESTABLISH VISUAL INTENT. THE CONTRACTOR IS RESPONSIBLE TO DESIGN AND ENGINEER A COMPLETE CODE COMPLYING SYSTEM AND SHALL PROVIDE ALL REQUIRED HEADS WHETHER SHOWN ON THE PLANS OR NOT.

9. SPRINKLER HEAD LOCATION AND LAYOUT TO BE REVIEWED BY THE ARCHITECT PRIOR TO INSTALLATION.

10. THE INSTALLATION AND OPERATION OF EMERGENCY GENERATOR AND FUEL SUPPLY SHALL BE CHECKED AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO THE INSTALLATION AND OPERATION OF EMERGENCY GENERATOR AND FUEL SUPPLY SYSTEMS.

11. PROVIDE OUTSIDE GAS SHUT-OFF VALVE CONSPICUOUSLY LOCATED AND MARKED.

12. FIRE HYDRANT CALCULATIONS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO INSTALLATION. FIRE HYDRANT AND ACCESS SHALL BE PROVIDED FOR THE BUILDING. SEE SITE PLAN FOR LOCATION.

13. REFER TO THE PLUMBING DRAWINGS FOR STORM WATER DRAINAGE AND DISCHARGE SYSTEM FROM THE BUILDING.

14. ALL WATER CLOSETS AND URINALS SHALL BE "ULTRA-LOW FLOW."

15. RAINFALL RATE IS 2.1.

160 - ELECTRICAL

SEE ALSO ELECTRICAL GENERAL NOTES

1. INSTALLING SUB-CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FIRE ALARM SYSTEM COMPLETE PLANS SHALL BE SUBMITTED TO THE FIRE DEPARTMENT.

2. ALL EXITWAYS SHALL BE ILLUMINATED BY A SUITABLY ATTACHED AND APPROVED EMERGENCY LIGHTING SYSTEM DESIGNED TO OPERATE WHEN THE BUILDING POWER SOURCE IS INTERRUPTED.

3. EMERGENCY EXIT AND EXIT SIGN ILLUMINATION SHALL BE PROVIDED AS REQUIRED BY SECTION 1011.

4. IN ADDITION TO ILLUMINATED EXIT SIGNS SHOWN ON ELECTRICAL DRAWINGS AND REFLECTED CEILING PLANS, THE CONTRACTOR SHALL PROVIDE AND INSTALL EXIT SIGNS WITH 6 INCH LETTERS AND DIRECTIONAL ARROWS AS REQUIRED BY CBC SECTION 1011.

5. OBTAIN UL LISTINGS FOR ALL CUSTOM DESIGNED LIGHT FIXTURES.

090 - FINISHES

1. ALL FIRE RESISTIVE PARTITIONS SHALL EXTEND FROM THE FLOOR SLAB TO UNDERSIDE OF FLOOR OR ROOF CONSTRUCTION ABOVE, UNLESS OTHERWISE NOTED ON THE PLANS. ALL OPENINGS THROUGH FIRE RATED PARTITIONS SHALL BE PROTECTED WITH APPROVED FIRE RATED ASSEMBLIES. 1-HOUR AND 2-HOUR FIRE RESISTIVE PARTITIONS SHALL BE TYPE "X" GYPSUM BOARD. PROVIDE AND INSTALL APPROVED DAMPERS FOR ALL DUCTS PENETRATING FIRE RESISTIVE PARTITIONS.

2. INTERIOR WALLS AND CEILING FINISHES SHALL BE INSTALLED IN ACCORDANCE WITH CBC CHAPTER 8. FLAME SPREAD RATINGS SHALL COMPLY WITH SECTION 803.1.1.

3. WHERE GYPSUM BOARD LAYERS DIFFER, STUDS ARE TO BE OFFSET TO PERMIT A CONTINUOUS SMOOTH FINISH LINE IN ALL CORRIDORS OR WHERE SUCH CONDITIONS OCCUR UNLESS OTHERWISE NOTED.

4. ANY DECORATION SHALL BE NON-COMBUSTIBLE OR MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF NFPA 701 IN ACCORDANCE WITH CBC SECTION 806.2.

5. WALL AND COLUMN GYPSUM BOARD FACING TO EXTEND 6 INCHES MINIMUM ABOVE CEILING UNLESS REQUIRED TO EXTEND TO STRUCTURE ABOVE.

6. FINISHES INDICATED ON SCHEDULE AT WALL AND BASE SHALL APPLY TO ALL WALLS AND COLUMNS WITHIN THE AREA UNLESS OTHERWISE NOTED.

7. PAINT LADDERS, RAILINGS, LOUVERS, STAIR RAILS, TREADS, RISERS AND STRINGERS AND OTHER FERROUS METALS NOT PREFINISHED PER SPECIFICATIONS.

8. ALL CEILING HEIGHTS ARE FROM TOP OF FINISH FLOOR TO FINISHED CEILING UNLESS OTHERWISE NOTED AS DEFINED IN SECTION 000-5.

9. PROVIDE MIN. 12 GAUGE CONCEALED BACKING PLATES IN LENGTHS AND WIDTHS TO ACCOMMODATE THE DIFFERENT CONFIGURATIONS OF WALL MOUNTED EQUIPMENT. BACKING PLATES SHALL BE SECURED TO 3 STUDS MINIMUM BY WELDING OR SELF-THREADING SCREWS.

100 - SPECIALTIES

1. PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY THE FIRE MARSHAL TO INCLUDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2A WITHIN 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, AND A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 10BC FOR MECHANICAL ELECTRICAL EQUIPMENT ROOMS.

2. FIRE EXTINGUISHER CABINETS MUST BE FULLY ACCESSIBLE. SEE ACCESSIBILITY NOTES, SECTION M.

3. FIRE EXTINGUISHERS SHALL BE PROVIDED AT EACH FLOOR AS THE BUILDING IS BEING CONSTRUCTED.

4. SIGNS AND GRAPHICS SHALL INCLUDE BUT NOT NECESSARY BE LIMITED TO THE FOLLOWING. ALL SIGNS SHALL BE INSTALLED PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY.

    4.1 BUILDING ADDRESS

    4.2 BUILDING ENTRANCE INCLUDING ACCESSIBILITY AND NO SMOKING

    4.3 BUILDING EXIT

    4.4 ROOM CAPACITY (50 OR MORE OCCUPANTS)

    4.5 EQUIPMENT ROOM (DANGER)

    4.6 THIS EXIT TO REMAIN UNLOCKED WHEN THIS BUILDINGS OCCUPIED

    4.7 SIGNAGE SHOWING DISABLED ACCESS

    4.8 STAIR LEVEL, ACCESS AND LIMITS

    4.9 ELEVATOR VESTIBULE EMERGENCY EXITS (USE STAIRWAY IN CASE OF FIRE)

    4.10 TOILET LOGO (MEN, WOMEN, DISABLED ACCESS)

5. METAL LOUVERS IN DOORS SHALL BE PAINTED TO MATCH COLOR OF DOOR. WHERE FIRE DAMPERS ARE REQUIRED, FIRE RATING OF DAMPER SHALL MATCH RATING OF THE DOOR.

110 - EQUIPMENT

NOT USED

120 - FURNISHINGS

NOT USED

130 - SPECIAL CONSTRUCTION

1. TELEVISION ANTENNA CROSS ARMS OR OTHER ROOF OBSTRUCTIONS SHALL BE LOCATED 7 FEET MINIMUM ABOVE THE ROOF IF THE SLOPE IS LESS THAN 30 DEGREES.

140 - CONVEYING SYSTEMS

1. THE SUPPORTING STRUCTURE FOR ELEVATOR GUIDE RAIL BRACKETS MUST BE DESIGNED FOR SPECIFIC SEISMIC LOADS PER ELEVATOR SAFETY CODE. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

2. ELEVATOR CONTROL BUTTONS AND THE ADJACENT ELEVATOR DOOR CASINGS SHALL INDICATE THE FLOORS IN BRAILLE AND ARABIC NUMERALS.

3. COORDINATE ELEVATOR MACHINE SUPPORT BEAMS WITH THE STRUCTURAL AND THE ACTUAL REQUIREMENTS OF THE ELEVATOR SUPPLIER.

4. ELEVATOR DOORS SHALL BE FIRE RATED IN ACCORDANCE TO THE SHAFT RATING.

060 - WOOD AND PLASTICS

1. 3/4" FIRE TREATED PLYWOOD BACKING, A MINIMUM 4'-0" X 8'-0", SHALL BE PROVIDED AT TELEPHONE TERMINALS IN ELECTRICAL ROOMS.

2. UNLESS OTHERWISE INDICATED, PROVIDE AND INSTALL EXTERIOR GRADE STAMPED DOUGLAS FIR PLYWOOD OF THE SIZES INDICATED ON THE DRAWINGS COMPLYING WITH THE AMERICAN PLYWOOD ASSOCIATION (APA) PUBLICATION US PRODUCT STANDARD (PSI). ALL LUMBER AND PLYWOOD SHALL BE FIRE TREATED.

070 - THERMAL AND MOISTURE PROTECTION

1. FIREPROOFING: THERE IS TO BE NO FIREPROOFING WITH EXCEPTION TO SHAFT WALLS AND RATED WALLS WHERE NOTED.

2. ALL FIXED WINDOWS SHALL BE SEALED TO LIMIT AIR INFILTRATION.

3. OPEN EXTERIOR JOINTS AROUND WINDOWS, DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOFS, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED, CAULKED OR WEATHERSTRIPPED TO LIMIT AIR LEAKAGE AND WATER INFILTRATION.

080 - DOORS AND WINDOWS

1. DOOR NUMBERS ARE THE SAME AS ROOM NUMBERS. IF A ROOM HAS MORE THAN ONE DOOR, THE DOOR NUMBER SUFFIX IS SHOWN ON THE PLAN AS "A", "B", "C" ETC.

2. VERIFY ALL DOOR SIZES, SWINGS, LOCATIONS AND DETAILS WITH JOB CONDITIONS PRIOR TO FABRICATION AND INSTALLATION.

3. REQUIRED EXIT DOORS SHALL OPEN ONLY IN THE DIRECTION OF EXIT, UNLESS OTHERWISE EXCEPTED BY THE CODE, AND SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE THE APPROVED TYPE. VERIFY WITH LOCAL JURISDICTION THE APPROVED MEANS OF LOCKING DOORS FROM INTERIOR.

4. PANIC HARDWARE SHALL BE PROVIDED ON EXIT DOORS SERVING ROOMS, CORRIDORS OR AREAS HANDLING AN OCCUPANT LOAD OF 50 OR MORE IN AN ASSEMBLY OCCUPANCY.

5. ALL DOORS SHALL OPEN OVER A FLOOR OR LANDING NOT MORE THAN 1/2" BELOW THE TOP OF THRESHOLD.

6. DOORS OPENING INTO REQUIRED 1-HOUR FIRE RESISTIVE CORRIDORS SHALL BE PROTECTED WITH A SMOKE OR DRAFT STOP FIRE ASSEMBLY HAVING A 20 MINUTE RATING.

7. DOOR LOCATIONS NOT ESTABLISHED BY DIMENSION SHALL BE CENTERED IN WALL OR 4" FROM FINISHED WALL TO FINISHED JAMB.

8. PROVIDE ACCESS PANELS WHEREVER REQUIRED BY BUILDING CODE OR WHEREVER REQUIRED FOR PROPER OPERATION OF MECHANICAL OR ELECTRICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE LOCATION, SIZE AND TYPE OF ACCESS PANEL WITH HIS SUBCONTRACTOR'S WORK. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL REQUIRED ACCESS PANELS NOT SHOWN ON THE DRAWINGS THROUGH THE SHOP DRAWING PROCESS PRIOR TO INSTALLATION.

9. ALL EXTERIOR DOORS SHALL LIMIT AIR LEAKAGE AROUND THEIR PERIMETER WHEN IN A CLOSED POSITION.

    9.1 PROVIDE AND INSTALL SEALS OR ASTRAGAL AT HEAD, SILL AND JAMBS.

    9.2 MEETING PORTIONS OF SECTIONAL, BI-PARTING OR DOUBLE DOORS SHALL BE PROVIDED WITH AN INTERNAL EDGE MOUNTED WEATHER TIGHT ASTRAGAL OR SEAL. NO EXTERIOR OVERLAPPING ASTRAGALS SHALL BE PERMITTED.

    9.3 DOORS REQUIRING VERTICAL TRACKS OR GUIDES SHALL USE CONTINUOUS MOUNTING ANGLES AND SHALL BE SEALED TO LIMIT AIR LEAKAGE.

10. GLASS DOORS, ADJACENT GLAZED PANELS AND ALL GLAZED OPENINGS WITHIN 18 INCHES OF THE ADJACENT FLOOR OR GRADE SHALL BE SAFETY GLASS APPROVED FOR IMPACT HAZARD.

11. FILL ALL HOLLOW METAL DOOR FRAMES IN MASONRY OR CONCRETE WALLS WITH GROUT AFTER ERECTION.

12. FILL ALL HOLLOW METAL DOOR FRAMES WITH BUILDING INSULATION WHERE DOORS ARE IN SOUND RATED GYPSUM BOARD ASSEMBLIES.

13. PROVIDE AND COORDINATE THE LOCATION OF BLOCK OUTS FOR ALL SECURITY HARDWARE.

14. PERFORMANCE CRITERIA SHALL BE THOSE SPECIFIED WHICH MAY INCLUDE BUT NOT NECESSARILY BE LIMITED TO THE FOLLOWING:

    14.1 THERMAL MOVEMENT ALLOWANCE

    14.2 AIR INFILTRATION LIMITATION

    14.3 TOTALLY WATER TIGHT ENCLOSURE

    14.4 DESIGNED TO WITHSTAND WIND LOADS

    14.5 DESIGNED TO WITHSTAND WINDOW WASHING EQUIPMENT IMPOSED

    14.6 CODE COMPLIANCE WITH SEISMIC LATERAL FORCE REQUIREMENTS

    14.7 ANCHORAGE TO STRUCTURAL SUPPORT FRAMING

15. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN 15 LBS OPERATION.

000-GENERAL

1. SEE ADDITIONAL GENERAL NOTES ON CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND TELECOM DRAWINGS.

2. DO NOT SCALE DRAWINGS. WHERE DIMENSIONS CANNOT BE DETERMINED, REQUEST CLARIFICATION FROM THE ARCHITECT.

3. IF DISCREPANCIES EXIST ON THE DRAWINGS, CONFLICTS SHALL BE RESOLVED IN ACCORDANCE WITH DIVISION 1 OF THE PROJECT MANUAL.

4. DIMENSIONS SHOWN ON THE FLOOR PLANS, PLANS, SECTIONS, AND DETAILS ARE TO FACE OF FINISH, TO COLUMN GRIDLINES, OR TO FACE OF CONCRETE OR MASONRY UNLESS OTHERWISE NOTED OR SHOWN.

5. ALL FINISH FLOOR ELEVATIONS REFER TO TOP OF CONCRETE, EXCEPT WHERE FLOOR FINISH IS STONE OR WOOD.

6. DETAILS ARE INTENDED TO SHOW DESIGN INTENT FOR ACCOMPLISHING WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS AND SHALL BE INCLUDED AS PART OF THE WORK.

7. COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE CEILINGS (STRUCTURAL MEMBERS, FIREPROOFING, CONDUITS, MECHANICAL DUCTS, INSULATION, SPRINKLER LINES AND DROPS, RECESSED LIGHT FIXTURES AND CEILING CONSTRUCTION THICKNESS, ETC.) TO MAINTAIN THE FINISH CEILING HEIGHT ABOVE THE FLOOR AS INDICATED IN THESE DRAWINGS FOR THE VARIOUS ROOMS AND AREAS.

8. SEPARATE APPROVALS FOR PERMITS FROM GOVERNING AGENCIES SHALL BE REQUIRED FOR CERTAIN BUILDING SYSTEMS, INCLUDING BUT NOT LIMITED TO CURTAIN WALL SYSTEMS, FIRE PROTECTION SYSTEMS, CERTAIN LIGHT-GUAGE AND COLD ROLLED METAL FRAMING SYSTEMS, MISCELLANEOUS METALS, ORNAMENTAL RAILINGS, FIRE ALARM SYSTEMS, AND SYSTEMS WHICH REQUIRE THE SUBMISSION OF ADDITIONAL ENGINEERING CALCULATIONS OR DETAIL DRAWINGS FOR AGENCY APPROVAL.

9. A PROFESSIONAL ENGINEER, RETAINED BY THE CONTRACTOR, REGISTERED IN THE STATE OF CALIFORNIA, SHALL ENGINEER AND CERTIFY THE STRUCTURAL CALCULATIONS OF THE CURTAIN WALL ANCHORAGE AND FRAMING COMPONENTS WITHIN THE PERFORMANCE AND CODE CRITERIA. CALCULATIONS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD AND SUBMITTED TO BUILDING DEPARTMENT FOR PERMIT REVIEW PROCESS.

10. OBTAIN ALL NECESSARY PERMITS FOR WORK, INCLUDING, BUT NOT LIMITED TO, PEDESTRIAN PROTECTION, TRAFFIC CONTROL AND MITIGATION, TEMPORARY STREET CLOSURE, AND OFFSITE IMPROVEMENTS. PERMITS SHALL BE OBTAINED PRIOR TO STARTING THE WORK.

11. PATCH AND REPAIR ALL EXISTING MATERIALS OR EQUIPMENT DAMAGED OR EXPOSED BY REMOVAL WORK OR BY ANY OTHER CONSTRUCTION WORK. MATCH ADJACENT SIMILAR MATERIAL IN TEXTURE AND COLOR UNLESS NOTED OTHERWISE.

010-GENERAL DEMOLITION NOTES

1. EXISTING WORK TO REMAIN: PROVIDE SUCH FORMS OF PROTECTION AS MAY BE NECESSARY TO PREVENT DAMAGE TO EXISTING WORK AND EQUIPMENT TO REMAIN. REPAIR OR REPLACE EXISTING. WORK DAMAGED BY WORK AT NO COST TO OWNER.

2. UNLESS OTHERWISE SHOWN, PATCH AND FINISH SURFACES AS NECESSARY TO MATCH EXISTING.

3. MATERIALS NOT MENTIONED TO BE REMOVED THAT INTERFERE WITH NEW CONSTRUCTION, EXCEPT WHERE STRUCTURAL INTEGRITY OF THE ASSEMBLY IS AT RISK, SHALL BE CUT TO CLEAN LINES TO PROVIDE FOR PROPER INTERFACE WITH THE NEW CONSTRUCTION, OR PATCHING AND REPAIR, AS REQUIRED.

4. CEASE OPERATIONS AND NOTIFY OWNER AND ARCHITECT IMMEDIATELY IF HAZARDOUS MATERIALS ARE IDENTIFIED.

    4.1 DO NOT RESUME OPERATIONS UNTIL HAZARDOUS MATERIALS ARE REMOVED AND SAFETY IS RESTORED.

    4.2 CONTRACTOR SHALL TAKE ANY PRECAUTIONS NECESSARY TO PROTECT ANY STRUCTURE & ANY OTHER AREA OUTSIDE OF CONSTRUCTION ZONE AND SECURE APPROVAL OF SUCH MEASURE FROM THE CITY BUILDING AND SAFETY DEPARTMENT.

    4.3 CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMIT AND APPROVALS FROM GOVERNING AGENCIES REQUIRED FOR SUCH DEMOLITION WORK SHOWN ON THE DRAWINGS. APPLICATION FOR SUCH PERMITS SHALL BE OBTAINED BEFORE STARTING THE DEMOLITION WORK.

020-SITEWORK

1. VERIFY CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

2. CONFIRM ALL DISTANCES, DATA AND EXISTING STRUCTURES AND UTILITIES ABOVE OR BELOW THE GROUND, WITHIN THE LIMITS OF THIS PROJECT. IN CASES OF CONFLICT, THE ARCHITECT SHALL BE CONSULTED IMMEDIATELY FOR CLARIFICATION.

030 - CONCRETE

SEE STRUCTURAL GENERAL NOTES WHERE APPLICABLE

040 - MASONRY

SEE STRUCTURAL GENERAL NOTES WHERE APPLICABLE

050 - METALS

SEE STRUCTURAL GENERAL NOTES WHERE APPLICABLE

1. RAILINGS AND GUARDRAILS SHALL WITHSTAND FORCES IN COMPLIANCE WITH CHAPTER 16, TABLE 16B - SPECIAL LOADS.

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter
PAYSAGISTES URBANISTES

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:06:55 AM

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION — DATE: 12/16/2021
ARCHITECT: DEBRA GEROD — LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GENERAL NOTES
PROJECT: PERSHING SQUARE RENOVATION
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. G003
SHEET OF SHEETS

PLOTTED: 11/3/2021 9:06:55 AM

K. MISCELLANEOUS REQUIREMENTS

1. THE BOTTOM OF RECEPTACLE OUTLETS SHALL BE NOT LESS THAN 15 INCHES ABOVE THE FLOOR OR WORKING PLATFORM. (11B-308.2.1)

2. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE NOT LESS THAN 3 FEET NOR MORE THAN 4 FEET ABOVE THE FLOOR OR WORK PLATFORM. (11B-308.2.2)

3. THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48 INCHES ABOVE THE LEVEL OF THE FLOOR, WORK PLATFORM, GROUND SURFACE OR SIDEWALK.

4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NR. 15090 IN FEDERAL STANDARD 595C. (11B-703.7.2.1)

5. EMERGENCY WARNING SYSTEMS SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE.

   5.1 THE LAMP SHALL BE A XENON STROBE TYPE OR EQUIVALENT.

   5.2 THE COLOR SHALL BE CLEAR OR NORMAL WHITE (I.E. UNFILTERED OR CLEAR FILTERED WHITE LIGHT).

   5.3 THE MAXIMUM PULSE DURATION SHALL BE TWO-TENTHS OF ONE SECOND (0.2 SEC) WITH A MAXIMUM DUTY CYCLE OF 40 PERCENT. THE PULSE DURATION IS DEFINED AS THE TIME INTERVAL BETWEEN INITIAL AND FINAL POINTS OF 10 PERCENT OF MAXIMUM SIGNAL.

   5.4 THE INTENSITY SHALL BE A MINIMUM OF 75 CANDELA.

   5.5 THE FLASH RATE SHALL BE A MINIMUM OF 1 HZ AND A MAXIMUM OF 3 HZ.

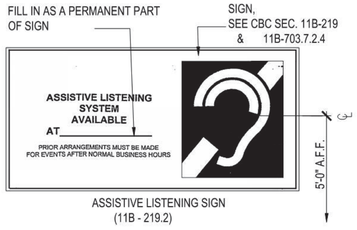
   5.6 THE APPLIANCE SHALL BE PLACED 80 INCHES ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6 INCHES BELOW THE CEILING, WHICHEVER IS LOWER. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE ON LOCATION AND COLOR OF BACK PLATE (TYPICALLY WHITE).

   5.7 IN GENERAL, NO PLACE IN ANY ROOM OR SPACE REQUIRED TO HAVE A VISUAL SIGNAL APPLIANCE SHALL BE MORE THAN 50 FEET FROM THE SIGNAL (IN THE HORIZONTAL PLANE). IN LARGE ROOMS AND SPACES EXCEEDING 100 FEET ACROSS, WITHOUT OBSTRUCTIONS 6 FEET ABOVE THE FINISH FLOOR, SUCH AS AUDITORIUMS, DEVICES MAY BE PLACED AROUND THE PERIMETER, SPACED AT A MAXIMUM 100 FEET APART, IN LIEU OF SUSPENDING APPLIANCES FROM THE CEILING.

   5.8 NO SPACE IN COMMON CORRIDORS OR HALLWAYS IN WHICH VISUAL ALARM SIGNALLING APPLIANCES ARE REQUIRED SHALL BE MORE THAN 50 FEET FROM THE SIGNAL.

6. WHERE EXIT SIGNS ARE REQUIRED, TACTILE EXIT SIGNAGE COMPLYING WITH CBC SECTION 11B-703.2 SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1013.4

7. PROVIDE ASSISTIVE LEARNING SYSTEMS PER ACCESSIBILITY PLANS. PROVIDE ROOM SIGNAGE AS FOLLOWS:



8. ALL BRAILLE SHALL BE GRADE 2, ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS.

   8.1 BRAILLE DOTS ARE 1/10 INCH ON CENTER IN EACH CELL WITH 3/10 INCH SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL.

   8.2 BRAILLE DOTS ARE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND. (11B-703.3)

9. CONTROLS AND OPERATING MECHANISMS, INCLUDING DISPENSERS, FIRE EXTINGUISHER CABINET DOORS, BOOKDROP DOORS, RECEPTACLES, OR OTHER OPERABLE EQUIPMENT, SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. OPERABLE PORTIONS SHALL NOT REQUIRE GREATER THAN 5 POUNDS OPERATING FORCE. (11B-205) (11B-309)

G. HAZARDS AND PROTRUDING OBJECTS

1. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27 INCHES AND 80 INCHES ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4 INCHES INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS AND AISLES. (1003.3.2)(11B-307.2)

2. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27 INCHES ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT.

3. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12 INCHES MAXIMUM FROM 27 INCHES TO 80 INCHES ABOVE THE GROUND OR FINISHED FLOOR. (11B-307.3)

4. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE. (11B-307.5)

5. ANY OBSTRUCTION OVERHANGING A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80 INCHES ABOVE THE WALKING SURFACE AS MEASURED TO THE BOTTOM OF THE OBSTRUCTION. (11B-307.3)

6. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACES SHALL HAVE 80 INCHES MINIMUM CLEAR HEAD ROOM. (1003.3.1)

7. ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS SHALL BE IDENTIFIED BY CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP-OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, OR WHEN A GUIDE RAIL IS PROVIDED WITH ITS CENTER 3 INCHES PLUS OR MINUS 1 INCH ABOVE THE SURFACE OF THE WALK OR SIDEWALK, OR IF THE WALK IS 5% OR LESS GRADIENT OR NO ADJACENT HAZARD EXISTS, NO CURB IS REQUIRED. (11B-303.5)

H. SANITARY FACILITIES (GENERAL)

1. WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE. (1127A2.1.5)(11B.604.8.1.2)

2. ACCESSIBLE STALL PARTITION DOORS SHALL HAVE U-TYPE PULLS ON EACH SIDE. LOCKING MECHANISM SHALL BE OPERABLE WITHOUT GRASPING, PINCHING, OR WRIST TURNING. (11B-309.4)

3. TOILET AND URINAL FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 POUNDS. (11B-604.6)(11B-309.4)

4. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO ABRASIVE SURFACES UNDER LAVATORIES. (11B-606.5)

5. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER-OPERATED, PUSH-PULL TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. (11B-309.4)(11B-606.4)

6. LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 29 INCHES FROM THE FLOOR TO THE BOTTOM OF THE APRON WITH KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30 INCHES IN WIDTH WITH 8 INCHES MINIMUM DEPTH AT THE TOP. TOE CLEARANCE SHALL BE SAME WIDTH AND SHALL BE A MINIMUM OF 9 INCHES HIGH FROM THE FLOOR AND A MINIMUM OF 17 INCHES DEEP FROM THE FRONT OF THE LAVATORY. (11B-606.3)

7. A PROJECTION OF A LAVATORY BOWL INTO THE 8 INCH CLEAR SPACE, THEREBY REDUCING THE CLEAR HEIGHT BELOW THE LAVATORY TO NO LESS THAN 27 INCHES AT 8 INCHES BACK FROM THE APRON, MEETS THE REQUIREMENT FOR PROVIDING KNEE CLEARANCE. A MAXIMUM HEIGHT OF 34 INCHES TO THE TOP OF THE LAVATORY IS RECOMMENDED. (11B-606)(11B-306.3)

8. AT LEAST ONE MIRROR SHALL BE MOUNTED WITH THE BOTTOM REFLECTIVE EDGE NOT MORE THAN 40 INCHES FROM THE FLOOR AT EACH TOILET FACILITY. (11B-603.3)

9. AT LEAST ONE TOWEL, SANITARY NAPKIN AND WASTE RECEPTACLE SHALL BE MOUNTED WITH ALL OPERABLE PARTS NOT MORE THAN 40 INCHES FROM THE FLOOR AT EACH TOILET FACILITY. (11B-603.5)

10. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED FOR 250 POUND PER LINEAL FOOT LOAD. (11B-609.8)(11B-610.4)

I. GRAB BARS

1. GRAB BARS AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. (11B-609.5)

2. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. (11B-609.6)

3. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4 INCHES TO 1-1/2 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. (11B-609.2.1)

4. IF THE GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2 INCHES. (11B-609.3)

5. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.

J. LOCKERS

1. WHERE LOCKERS ARE PROVIDED FOR PUBLIC, CLIENTS, EMPLOYEES, MEMBERS, OR PARTICIPANTS, AT LEAST ONE AND NOT LESS THAN 1 PERCENT OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED (11B-225.2.1). A PATH OF TRAVEL NOT LESS THAN 36 INCHES IN CLEAR WIDTH SHALL BE PROVIDED TO THESE LOCKERS. (11B-403.5.1)

C. HANDRAILS

1. HANDRAILS SHALL BE 34 INCHES MINIMUM TO 38 INCHES MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES AND SHALL BE AT A CONSISTENT HEIGHT. (11B-505.4)

2. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1½ INCHES MINIMUM. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS 3 INCHES MAXIMUM DEEP AND 18 INCHES MINIMUM CLEAR ABOVE THE TOP OF THE HANDRAIL. (11B-505.5)

3. HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1¼ INCHES MINIMUM AND 2 INCHES MAXIMUM. (11B-505.7.1)

4. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 6¼ INCHES MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2¼ INCHES MAXIMUM. (11B-505.7.2)

5. IN ALTERATIONS, WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF STAIR FLIGHT OR RAMP RUN WOULD CREATE A HAZARD, THE EXTENSION OF THE HANDRAIL MAY BE TURNED 90 DEGREES FROM THE DIRECTION OF STAIR FLIGHT OR RAMP RUN. (11B-505.10 EXCEPTION 3)

6. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN. (11B-505.10.1)

7. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. (11B-505.10.2)

8. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. THE HORIZONTAL EXTENSION OF A HANDRAIL SHALL BE 12 INCHES LONG MINIMUM AND A HEIGHT EQUAL TO THAT OF THE SLOPING PORTION OF THE HANDRAIL AS MEASURED ABOVE THE STAIR NOSINGS. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. (11B-505.10.3)

D. ENTRANCES

1. ALL ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN TRAFFIC WAYS. (11B-216.6)

2. WHEN AN AUTOMATIC DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING OF 32 INCHES WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. (11B-404.3.1)

3. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER TYPE HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. (1126A.6)(11B-309.4)

4. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 24 INCHES AND 48 INCHES ABOVE THE FLOOR. (11B-404.2.7)(1126A.6)

5. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC SLIDING DOORS AND SOLID GLASS DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10 INCH HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. (11B-404.2.10)

6. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR DOORS. SUCH PUSH OR PULL EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED BUT NOT TO EXCEED 15 POUNDS. (11B-404.2.9)

7. IF THE DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 3 INCHES (75MM) FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR. (11B-404.2.8.1)

E. FLOORS AND LEVELS

1. ALL FLOOR SURFACES SHALL BE SLIP RESISTANT WITH AN INDIVIDUAL STATIC COEFFICIENT OF FRICTION OF 0.6 OR GREATER PER ASTM C1028 (MODIFIED BY CERAMIC TILE INSTITUTE). (11B-302.1)

2. ABRUPT CHANGES IN LEVEL SHALL NOT EXCEED 1/2 INCH. LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. (11B-303.3)

F. CORRIDORS AND AISLES

1. EVERY PORTION OF EVERY BUILDING WHERE THERE ARE INSTALLED SEATS, TABLES, MERCHANDISE, EQUIPMENT OR SIMILAR ITEMS, SHALL BE PROVIDED WITH AISLES LEADING TO AN EXIT.

   1.1 EVERY AISLE SHALL BE NOT LESS THAN 3 FEET WIDE IF SERVING ONLY ONE SIDE, AND NOT LESS THAN 3 FEET 6 INCHES WIDE IF SERVING BOTH SIDES. SUCH MINIMUM WIDTH SHALL BE MEASURED AT THE POINT FARTHEST FROM AN EXIT. CROSS AISLE OR FOYER SHALL BE INCREASED BY 1-1/2 INCHES FOR EACH 5 FEET IN LENGTH TOWARD THE EXIT,

ACCESSIBILITY

A. WALKS AND SIDEWALKS

1. WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM OF 48 INCHES WIDE. (3306.2)(11B-403.4)

2. SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH.

3. SURFACES WITH A SLOPE OF 6% GRADIENT OR GREATER SHALL BE SLIP RESISTANT.

4. WHERE THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS (1) ONE TO (20) TWENTY HORIZONTAL GRADIENT (5%), IT SHALL COMPLY WITH THE PROVISIONS FOR PEDESTRIAN RAMPS. (1113A.3)(11B-403.3)

5. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT. (1114.2.1) (11B-403.3)

6. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS SHALL BE LIMITED TO 1/2 INCH IN THE DIRECTION OF TRAFFIC FLOW. (1113A.5)(11B-302.3)

7. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. (11B-303.3)

8. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY, THEY SHALL COMPLY WITH THE REQUIEMENTS FOR CURB RAMPS. (11B-303.4)

9. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60 INCHES BY 60 INCHES AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 48 INCHES BY 44 INCHES DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. SUCH WALKS SHALL EXTEND 24 INCHES TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK. (1126A) (11B-404)

10. ALL WALKS WITH A CONTINUOUS GRADIENT SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST 400 FEET. (1113A.2)(11B-403.7)

B. RAMPS

1. ANY PATH OF TRAVEL SHALL BE CONSIDERED A RAMP IF ITS SLOPE IS GREATER THAN 1 FOOT RISE IN 20 FEET (5%) OF HORIZONTAL RUN. (1003.5)(202)

2. THE MAXIMUM SLOPE OF A RAMP THAT SERVES ANY EXITWAY, PROVIDES ACCESSIBILITY, OR IS IN THE PATH OF TRAVEL SHALL BE 1 FOOT RISE IN 12 FEET (8.33%) OF HORIZONTAL RUN. (1012.2)(11B-405.2)

3. THE CROSS SLOPE ON A RAMP OR THE SLOPE ACROSS A RAMP OR LANDING IN ANY DIRECTION SHALL NOT EXCEED 1/4 INCH PER RISE IN 1 FOOT OF HORIZONTAL RUN (2% GRADIENT). (1012.3)(11B-405.3)

4. THE SURFACE OF RAMPS SHALL BE STABLE, FIRM, AND SLIP RESISTANT. SEE FLOORS AND LEVELS. (1012.7.1)

5. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE SLIP RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK. (11B-406.5.4)

6. FLOOR OR GROUND SURFACES OF RAMP RUNS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS. (11B-405.4)

7. THE CLEAR WIDTH OF A RAMP RUN SHALL BE 48 INCHES MINIMUM. (11B-405.5)

8. THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM. (11B-405.6)

9. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. (11B-405.7)

10. LANDINGS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL ARE NOT PERMITTED. (11B-405.7.1)

11. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. (11B-405.7.2)

12. TOP LANDINGS SHALL BE 60 INCHES WIDE AND 60 INCHES LONG, MINIMUM. (11B-405.7.2.1) & (11B-405.7.3)

13. BOTTOM LANDINGS SHALL EXTEND 72 INCHES MINIMUM IN THE DIRECTION OF RAMP RUN. (11B-405.7.3.1)

14. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60 INCHES MINIMUM BY 72 INCHES MINIMUM IN THE DIRECTION OF DOWNWARD TRAVEL FROM THE UPPER RAMP RUN. (11B-405.7.4)

15. RAMP RUNS SHALL HAVE COMPLIANT HANDRAILS PER 11B-505 HANDRAILS. (11B-405.8)

16. EDGE PROTECTION COMPLYING WITH 11B-405.9.2 CURB OR BARRIER SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS. (11B-405.9 SEE EXCEPTIONS)

17. A CURB, 2 INCHES HIGH MINIMUM, OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE. TO PREVENT WHEEL ENTRAPMENT, THE CURB OR BARRIER SHALL PROVIDE A CONTINUOUS AND UNINTERRUPTED BARRIER ALONG THE LENGTH OF THE RAMP. (11B-405.9.2)

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BOARD OF PUBLIC WORKS	GARY LEE MOORE, PE, ENV SP
CITY ENGINEER	DATE: 12/16/2021
ARCHITECT: DEBRA GEROD	LIC. NO. C23665
ARCHITECTURAL DIVISION	
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES	
DRAWN BY: NG, CG	
CHECKED BY: JA	
APPROVED BY: STEVEN FERCE, A.I.A, PRINCIPAL ARCHITECT	11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ACCESSIBILITY NOTES

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
G004

SHEET OF SHEETS

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9. WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF SECTIONS 11B-604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS AND 11B-604.8.3 COAT HOOKS AND SHELVES. COMPARTMENTS AND 11B-604.8.3 COAT HOOKS AND SHELVES. SHALL COMPLY WITH SECTION 11B-603 TOILET AND BATHING ROOMS. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH SECTIONS 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS AND 11B-604.8.3 COAT HOOKS AND SHELVES. (11B-604.8)

10. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH AN IN-SWING DOOR, A MINIMUM 60 INCHES WIDE BY 36 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE CLEARANCE REQUIRED IN SECTION 11B-604.8.1.1 WHEELCHAIR ACCESSIBLE COMPARTMENT SIZE. (11B-604.8.1.1.1, FIGURES 11B-604.8.1.1.2(B) AND 1 1B-604.8.1.1.3(B)

11. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH A DOOR LOCATED IN THE SIDE WALL OR PARTITION, EITHER IN-SWINGING OR OUTSWINGING, A MINIMUM 60 INCHES WIDE AND 60 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. (11B-604.8.1.1.2, FIGURE 11B-604.8.1.1.2)

12. IN A WHEEL CHAIR ACCESSIBLE COMPARTMENT WITH END-OPENING DOOR LOCATED IN THE FRONT WALL OR PARTITION (FACING WATER CLOSET), EITHER IN-SWINGING OR OUT-SWINGING, A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. (11B-604.8.1.1.3, FIGURE 11B-604.8.1.1.3)

13. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH SECTION 11B-404 DOORS, DOORWAYS, AND GATES EXCEPT THAT IF THE APPROACH IS FROM THE PUSH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 48 INCHES MINIMUM MEASURED PERPENDICULAR TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION. DOOR SHALL BE LOCATED IN FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. (11B-604.8.1.2)

14. WHERE TOILET COMPARTMENT DOORS ARE LOCATED IN THE FRONT PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE SIDEWALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDEWALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE FRONT PARTITION AND THE DOOR SHALL BE SELF-CLOSING. (11B-604.8.1.2)

15. A DOOR PULL COMPLYING WITH SECTION 11B-404.2.7 DOOR AND GATE HARDWARE SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS MAY SWING INTO THAT PORTION OF THE MANEUVERING SPACE WHICH DOES NOT OVERLAP THE CLEARANCE REQUIRED AT A WATER CLOSET. (11B-604.8.1.2 SEE EXCEPTION)

16. AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS. PARTITION COMPONENTS AT TOE CLEARANCES SHALL BE SMOOTH WITHOUT SHARP EDGES OR ABRASIVE SURFACES. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES MINIMUM ABOVE THE FINISH FLOOR. (11B-604.8.1.4)

17. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A WIDTH OF 35 INCHES MINIMUM AND 37 INCHES MAXIMUM. (11B-604.8.2.1)

18. WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE SHALL COMPLY WITH SECTION 11B-604.9 WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE AND FOLLOW SUGGESTED DIMENSIONS ON TABLE 11B-604.9. (11B-604.9)

19. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13½ INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE. (11B-605.2)

20. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 OPERABLE PARTS EXCEPT THAT THE FLUSH CONTROL SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 44 INCHES ABOVE THE FINISH FLOOR. (11B-605.4)

21. FOR LAVATORIES AND SINKS, A CLEAR FLOOR SPACE COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SURFACES, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306 KNEE AND TOE CLEARANCE SHALL BE PROVIDED. (11B-606.2)

22. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. (11B-606.3)

Q. SIGNS RELATED TO TOILETS AND BATHING FACILITIES - LA CITY NOTES

1. ENTRANCES LEADING TO TOILET ROOMS AND BATHING ROOMS COMPLYING WITH 11B-603 TOILET AND BATHING ROOMS SHALL BE IDENTIFIED BY A GEOMETRIC SYMBOL COMPLYING WITH 11B-703.7.2.6 TOILET AND BATHING ROOM GEOMETRIC SYMBOLS.

2. SIGNS SHALL COMPLY WITH 11B-703.5 VISUAL CHARACTERS AND SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA.

R. COMMUNICATION ELEMENTS AND FEATURES - LA CITY NOTES

ASSISTIVE LISTENING SYSTEMS

1. PROVIDE (4) ASSISTIVE LISTENING SYSTEMS. A MINIMUM NUMBER OF RECEIVERS EQUAL TO 4 PERCENT OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. TWENTY-FIVE PERCENT MINIMUM OF RECEIVERS PROVIDED FOR ASSISTIVE LISTENING SYSTEMS, BUT NO FEWER THAN TWO. SHALL BE HEARING-AID COMPATIBLE WITH EXCEPTION WHEN ALL SEATS IN AN ASSEMBLY AREA ARE SERVED BY MEANS OF AN INDUCTION LOOP. (11B-219.3)

7. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. (11B-602.4)

8. THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. (11B-602.5)

9. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM. (11B-602.6)

10. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. (11B-602.7)

11. WALL AND POST-MOUNTED CANTILEVERED DRINKING FOUNTAINS SHALL BE 18 INCHES MINIMUM AND 19 INCHES MAXIMUM IN DEPTH.(11B-602.8)

12. ALL DRINKING FOUNTAINS SHALL EITHER BE LOCATED COMPLETELY WITHIN ALCOVES, POSITIONED COMPLETELY BETWEEN WING WALLS, OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE PROTECTED AREA WITHIN SUCH A DRINKING FOUNTAIN IS LOCATED SHALL BE 32 INCHES WIDE MINIMUM AND 18 INCHES DEEP MINIMUM, AND SHALL COMPLY WITH SECTION 11B-305.7 MANEUVERING CLEARANCE. WHEN USED, WING WALLS OR BARRIERS SHALL PROTECT HORIZONTALLY AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6 INCHES VERTICALLY FROM THE FLOOR OR GROUND SURFACE. (11B-602.9)

O. TOILET AND BATHING ROOM CLEARANCES - LA CITY NOTES

1. WALL AND POST-MOUNTED CANTILEVERED DRINKING FOUNTAINS SHALL BE 18 INCHES MINIMUM AND 19 INCHES MAXIMUM IN DEPTH. (11B-602.8)

2. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR IN ANY POSITION MAY ENCROACH INTO THE TURNING SPACE BY 12 INCHES MAXIMUM. (11B603.2.3)

3. AT SINGLE USER TOILET OR BATHING ROOMS, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE ONLY IF A 30 INCH BY 48-INCH MINIMUM CLEAR FLOOR SPACE IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING. (11B-603.2.3 SEE EXCEPTION)

4. MIRRORS LOCATED ABOVE THE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITHIN THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE THE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. (11B-603.3)

5. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTION 11B-308. SHELVES SHALL BE LOCATED 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR. MEDICINE CABINETS SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR. (11B-603.4)

P. WATER CLOSETS AND TOILET COMPARTMENTS - LA CITY NOTES

1. THE CLEAR WIDTH FOR ACCESSIBLE ROUTES TO ACCESSIBLE TOILET COMPARTMENTS SHALL BE 44 INCHES EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS. (11B-403.5.1 EXCEPTION 5)

2. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN SECTION 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND (11B-604.2)

3. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDEWALL AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. (11B-604.3.1)

4. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG THE RETURN TO A LIFTED POSITION. SEATS SHALL BE 2 INCHES HIGH MAXIMUM AND A 3-INCH HIGH SEAT SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15 INCHES HIGH. (11B-604.4)

5. THE SIDEWALL GRAB BARS SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET. (11B604.5.1)

6. THE REAR GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. (11B-604.5.2 SEE EXCEPTION)

7. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309.4 OPERATION EXCEPT THEY SHALL BE LOCATED 44 INCHES MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH SECTION 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. (11B-604.6)

8. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 11B-309.4 OPERATION AND SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE BELOW THE GRAB BAR, 19 INCHES MINIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND THE GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW. (11B-604.7)

L. DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE - LA CITY NOTES

1. CURB RAMPS SHALL HAVE DETECTABLE WARNINGS THAT EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE RAMP RUN LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. (11B-247.1.2.2, 11B-705.1.2.2)

2. ON PERPENDICULAR CURB RAMPS, DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 TO 8 INCHES FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER, STREET OR HIGHWAY. (11B247.1.2.2, 11B-705.1.2.2)

3. ON PARALLEL CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS THAN 2 INCHES MAXIMUM ON EACH SIDE (11B-247.1.2.2, 11B-705.1.2.2, FIGURE 11B-406.3.2)

4. ISLANDS OR CUT-THROUGH MEDIANS 96 INCHES OR LONGER IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL SHALL HAVE DETECTABLE WARNINGS THAT ARE 36 INCHES MINIMUM IN DEPTH EXTENDING THE FULL WIDTH OF THE PEDESTRIAN PATH OR CUT-THROUGH LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND OR CUT-THROUGH MEDIAN, AND SEPARATED BY 24 INCHES MINIMUM OF WALKING SURFACE WITHOUT DETECTABLE WARNINGS. (11B-247.1.2.3, 11B-705.1.2.3)

5. WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE SEPARATED BY DETECTABLE WARNINGS, CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. (202, 11B-247.1.2.5, 11B-705.1.2.5)

6. DETECTABLE WARNINGS PROVIDED TO SEPARATE WALKS THAT CROSS OR ADJOIN A ROUTE PROVIDED FOR VEHICULAR TRAFFIC, SUCH AS IN A STREET, DRIVEWAY, OR PARKING FACILITY, SHALL BE 36 INCHES IN WIDTH AND CONTINUOUS AT THE BOUNDARY BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS. (202, 11B-247.1.2.5, 11B-705.1.2.5)

7. DETECTABLE WARNING SURFACES SHALL BE YELLOW AND APPROXIMATE FS 33538 OF FEDERAL STANDARD 595C. (11B-705.1.1.3.1)

M. DOORS, DOORWAYS, AND GATES - LA CITY NOTES

1. REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. (11B-404.2.1)

2. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 11B-404.2.3 CLEAR WIDTH AND 11B-404.2.4

3. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 I NCHES MINIMUM. SPECIFY ALL DOOR WIDTHS ON THE PLANS AND/OR AT DOOR SCHEDULE. (11B-404.2.3)

4. AT DOORWAYS LESS THAN 36 INCHES WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS DIMENSION REQUIRED MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.2. (11B-404.2.4.20)

5. DIMENSION THE MINIMUM 18 INCH INTERIOR AND 24 INCH EXTERIOR STRIKE SIDE CLEARANCE ON THE LATCH SIDE OF ALL DOORS WITH ADJACENT OBSTRUCTION. (11B-404.2.4.3)

6. PROVIDE THRESHOLD DETAILS FOR DOORS, INDICATING ½ INCH MAXIMUM HEIGHT. (11B-404.2.5)

7. SPECIFY DOOR HARDWARE TYPE(S) FOR ALL DOORS AND GATES AND PROVIDE ELEVATION INDICATING HARDWARE HEIGHT BETWEEN 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. (11B-404.2.7)

8. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. SHOW AND DIMENSION REQUIRED KICKPLATE(S). (11B-404.2.10)

9. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, CONFIRM OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. (11B-404.2.7)

N.DRINKING FOUNTAINS - LA CITY NOTES

1. ALL DRINKING FOUNTAINS SHALL PROVIDE A FRONT APPROACH.

2. DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE ALCOVE SHALL BE NOT LESS THAN 32 INCHES IN WIDTH AND 18 INCHES IN DEPTH. IF THE ALCOVE IS GREATER THAN 24 INCHES DEEP, THE WIDTH SHALL BE 36 INCHES WIDE MINIMUM. (11B-305)(11B-306)

3. THE BUBBLER SHALL BE ACTIVATED BY A CONTROL, WHICH IS EASILY OPERATED BY A DISABLED PERSON SUCH AS A HAND-OPERATED LEVER TYPE CONTROL LOCATED WITHIN 6 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 6 INCHES OF THE FRONT OF THE DRINKING FOUNTAINAND SHALL BE WITHIN 36 INCHES OF THE FLOOR. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT OF THE DRINKING FOUNTAIN AND PROVIDE A FLOW OF AT LEAST 4 INCHES HIGH. (11B-602.5)(11B-602.6)

4. DRINKING FOUNTAINS SHALL COMPLY WITH SECTIONS 11B-307 PROTRUDING OBJECTS AND 11B-602 GENERAL REQUIREMENTS. (11B602.1)

5. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SPACE POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306 KNEE AND TOE CLEARANCE SHALL BE PROVIDED. (11B-602.2)

6. WHERE DRINKING FOUNTAINS ARE USED BY CHILDREN, A PARALLEL APPROACH COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SURFACES SHALL BE PERMITTED AT UNITS WHERE THE SPOUT IS 30 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND AND IS 3½" MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. (11B-602.2 EXCEPTION)

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ACCESSIBILITY NOTES

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 11/08/201
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G005

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:07:00 AM

T. ASSEMBLY AREAS - LA CITY COMMENTS

1. ASSEMBLY AREAS SHALL PROVIDE WHEELCHAIR SPACES, COMPANION SEATS, DESIGNATED AISLE SEATS AND SEMI-AMBULANT SEATS COMPLYING WITH 11B-221 AND 11B-802. (11B-221.1)

2. LAWN SEATING AREAS AND EXTERIOR OVERFLOW SEATING AREAS, WHERE FIXED SEATS ARE NOT PROVIDED, SHALL CONNECT TO AN ACCESSIBLE ROUTE. (11B-221.5)

3. PROVIDE NUMBER OF WHEELCHAIR SPACES PER TABLE (11B-221.2.1.1)

4. IN EACH LUXURY BOX, CLUB BOX, AND SUITE WITHIN ARENAS, STADIUMS, AND GRANDSTANDS, WHEELCHAIR SPACES COMPLYING WITH SECTION 11B-802.1 SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 11B-221.2.1.1. (11B-221.2.1.2)

5. IN OTHER BOXES, THE TOTAL NUMBER OF WHEELCHAIR SPACES REQUIRED SHALL BE DETERMINED IN ACCORDANCE WITH TABLE 11B-221.2.1.1. WHEELCHAIR SPACES SHALL BE LOCATED IN NOT LESS THAN 20 PERCENT OF ALL BOXES PROVIDED. (11B221.2.1.3)

6. AT LEAST ONE WHEELCHAIR SPACE COMPLYING WITH SECTION 11B-802.1 SHALL BE PROVIDED IN TEAM OR PLAYER SEATING AREAS SERVING AREAS OF SPORT ACTIVITY. (11B-221.2.1.4)

7. IN STADIUM-STYLE MOVIE THEATERS, THE TOTAL NUMBER OF WHEELCHAIR SPACES REQUIRED SHALL BE PER TABLE 11B221.2.1.1. THE REQUIRED WHEELCHAIR SPACES SHALL BE LOCATED ON RISERS OR CROSS-AISLES IN THE STADIUM SECTION THAT SATISFY AT LEAST ONE OF THE FOLLOWING CRITERIA: (11B-221.2.1.5)

   7.1 LOCATED WITHIN THE REAR 60% OF THE SEATS PROVIDED IN THE THEATER; OR

   7.2 LOCATED WITHIN THE AREA OF THE THEATER IN WHICH THE VERTICAL VIEWING ANGLES (AS MEASURED TO THE TOP OF THE SCREEN) ARE FROM THE 40TH TO THE 100TH PERCENTILE OF VERTICAL VIEWING ANGLES FOR ALL SEATS AS RANKED FROM THE SEATS IN THE FIRST ROW (1ST PERCENTILE) TO SEATS IN THE BACK ROW (100TH PERCENTILE).

8. WHEELCHAIR SPACES SHALL BE PROVIDED IN EACH SPECIALTY SEATING AREA THAT PROVIDES SPECTATORS WITH DISTINCT SERVICES OR AMENITIES THAT GENERALLY ARE NOT AVAILABLE TO OTHER SPECTATORS. THE NUMBER OF WHEELCHAIR SPACES PROVIDED IN SPECIALTY SEATING AREAS SHALL BE INCLUDED IN, RATHER THAN BE IN ADDITION TO, THE TOTAL NUMBER OF WHEELCHAIR SPACES REQUIRED BY TABLE 11B-221.2.1.1. §11B-221.2.1.6

9. WHEELCHAIR SPACES SHALL BE AN INTEGRAL PART OF THE SEATING PLAN. (11B-221.2.2)

10. WHEELCHAIR SPACES SHALL PROVIDE LINES OF SIGHT COMPLYING WITH 11B-802.2 LINES OF SIGHT AND BE DISPERSED HORIZONTALLY AND VERTICALLY. (11B-221.2.3, 11B-221.2.3.1, 11B-221.2.3.2)

11. PROVIDE SECTION(S) TO SHOW THAT LINES OF SIGHT TO THE SCREEN, PERFORMANCE AREA, OR PLAYING FIELD FOR SPECTATORS IN WHEELCHAIR SPACES COMPLY WITH 11B-802.2 LINES OF SIGHT.

12. AT LEAST ONE COMPANION SEAT COMPLYING WITH 11B-802.3 COMPANION SEATS SHALL BE PROVIDED IMMEDIATELY ADJACENT TO EACH WHEELCHAIR SPACE REQUIRED BY 11B-221.2.1 NUMBER AND LOCATION. (11B-221.3)

13. IN ROW SEATING, COMPANION SEATS SHALL BE LOCATED TO PROVIDE SHOULDER ALIGNMENT WITH ADJACENT WHEELCHAIR SPACES. (11B-802.3.1)

14. COMPANION SEATS SHALL BE EQUIVALENT IN SIZE, QUALITY, COMFORT, AND AMENITIES TO THE SEATING IN THE IMMEDIATE AREA. COMPANION SEATS SHALL BE PERMITTED TO BE MOVEABLE. (11B-802.3.2)

15. AT LEAST 5 PERCENT OF THE TOTAL NUMBER OF AISLE SEATS PROVIDED SHALL COMPLY WITH THE FOLLOWING SECTION 11B-802.4 AND SHALL BE THE AISLE SEATS LOCATED CLOSEST TO ACCESSIBLE ROUTES. (11B-221.4)

   15.1 WHERE ARMRESTS ARE PROVIDED ON SEATING IN THE AREA, SHOW FOLDING OR RETRACTABLE ARMRESTS ON THE AISLE SIDE OF DESIGNATED AISLE SEATS. §11B-802.4.1

   15.2 EACH DESIGNATED AISLE SEAT SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1.

   15.3 SIGNAGE COMPLYING WITH SECTION 11B-703.5 SHALL BE POSTED AT THE TICKET OFFICE NOTIFYING PATRONS OF THEIR AVAILABILITY. (11B-802.4.2)

16. AT LEAST 1 PERCENT OF THE TOTAL NUMBER OF SEATS, AND NO FEWER THAN TWO, SHALL BE SEMI-AMBULANT SEATS WITH AT LEAST 24 INCHES CLEAR LEG SPACE BETWEEN THE FRONT OF THE SEAT TO THE NEAREST OBSTRUCTION OR THE BACK OF THE SEAT IN FRONT. (11B-221.6 & 11B-802.5)

21. CAR CONTROL BUTTONS SHALL COMPLY WITH THE FOLLOWING: (11B-407.4.7.1)

   21.1 CONTROL BUTTONS SHALL BE IDENTIFIED BY RAISED CHARACTERS OR SYMBOLS, WHITE ON A BLACK BACKGROUND, COMPLYING WITH 11B-703.2 RAISED CHARACTERS AND BRAILLE COMPLYING WITH 11B-703.3 BRAILLE. (11B-407.4.7.1.1)

   21.2 RAISED CHARACTERS OR SYMBOLS AND BRAILLE DESIGNATIONS SHALL BE PLACED IMMEDIATELY TO THE LEFT OF THE CONTROL BUTTON TO WHICH THE DESIGNATIONS APPLY. (11B-407.4.7.1.2)

   21.3 THE CONTROL BUTTON FOR THE EMERGENCY STOP, ALARM, DOOR OPEN, DOOR CLOSE, MAIN ENTRY FLOOR, AND PHONE, SHALL BE IDENTIFIED WITH RAISED SYMBOLS AND BRAILLE AS SHOWN IN TABLE 11B-407.4.7.1.3. (11B-407.4.7.1.3, TABLE 11B407.4.7.1.3)

   21.4 BUTTONS WITH FLOOR DESIGNATIONS SHALL BE PROVIDED WITH VISIBLE INDICATORS TO SHOW THAT A CALL HAS BEEN REGISTERED. THE VISIBLE INDICATION SHALL EXTINGUISH WHEN THE CAR ARRIVES AT THE DESIGNATED FLOOR. (11B-407.4.7.1.4)

   21.5 A MINIMUM CLEAR SPACE OF 3/8 INCH OR OTHER SUITABLE MEANS OF SEPARATION SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS. (11B-407.4.7.1.5)

22. KEYPADS SHALL BE IDENTIFIED BY CHARACTERS COMPLYING WITH 11B-703.5 VISUAL CHARACTERS AND SHALL BE CENTERED ON THE CORRESPONDING KEYPAD BUTTON. THE NUMBER FIVE KEY SHALL HAVE A SINGLE RAISED DOT. THE DOT SHALL BE 0.118 INCH TO 0.120 INCH BASE DIAMETER AND IN OTHER ASPECTS COMPLY WITH TABLE 11B-703.3.1. (11B-407.4.7.2)

23. AUDIBLE AND VISIBLE CAR POSITION INDICATORS SHALL BE PROVIDED IN ELEVATOR CARS. CHARACTERS SHALL BE ½ INCH HIGH MINIMUM. INDICATORS SHALL BE LOCATED ABOVE THE CAR CONTROL PANEL OR ABOVE THE DOOR. (11B-407.4.8)

24. ABOVE THE DOOR. (11B-407.4.8) 11B-308 REACH RANGES. RAISED SYMBOLS OR CHARACTERS, WHITE ON A BLACK BACKGROUND, AND BRAILLE SHALL BE PROVIDED ADJACENT TO THE DEVICE AND SHALL COMPLY WITH 11B-703.2 RAISED CHARACTERS AND 11B-703.3 BRAILLE. EMERGENCY TWO-WAY COMMUNICATION SYSTEMS BETWEEN THE ELEVATOR AND A POINT OUTSIDE THE HOISTWAY SHALL COMPLY WITH ASME A17.1. (11B-407.4.9)

25. SUPPORT RAILS SHALL BE PROVIDED ON AT LEAST ONE WALL OF THE CAR AND SHALL COMPLY WITH THE FOLLOWING: (11B-407.4.10)

   25.1 CLEARANCE BETWEEN SUPPORT RAILS AND ADJACENT SURFACES SHALL BE 1½ INCHES MINIMUM. TOP OF SUPPORT RAILS SHALL BE 31 INCHES MINIMUM TO 33 INCHES MAXIMUM ABOVE THE FLOOR OF THE CAR. THE ENDS OF THE SUPPORT RAIL SHALL BE 6 INCHES MAXIMUM FROM ADJACENT WALLS. (11B-407.4.10.1)

   25.2 SUPPORT RAILS SHALL BE SMOOTH AND ANY SURFACE ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. (11B407.4.10.2)

   25.3 ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE SUPPORT RAIL, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE. (11B-407.4.10.3 LIMITED-USE/LIMITED-APPLICATION ELEVATORS)

26. LIMITED-USE/LIMITED-APPLICATION ELEVATORS SHALL COMPLY WITH 11B-408 LIMITED-USE/LIMITED-APPLICATION ELEVATORS AND WITH ASME A17.1. THEY SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC. (11B-408.1)

27. ELEVATOR CALL BUTTONS AND KEYPADS SHALL COMPLY WITH 11B-407.2.1 CALL CONTROLS. (11B-408.2.1)

28. HALL SIGNALS SHALL COMPLY WITH 11B-407.2.2 HALL SIGNALS. (11B-408.2.2)

29. SIGNS AT ELEVATOR HOISTWAYS SHALL COMPLY WITH 11B-407.2.3.1 FLOOR DESIGNATION. (11B-408.2.3)

30. SLIDING HOISTWAY AND CAR DOORS SHALL COMPLY WITH 11B-407.3.1 THROUGH 11B-407.3.3 (TYPE, OPERATION, AND REOPENING DEVICE) AND 11B-408.4.1 CAR DIMENSIONS AND DOORS. (11B-408.3.1)

31. SWINGING HOISTWAY DOORS SHALL OPEN AND CLOSE AUTOMATICALLY AND SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES, 11B-407.3.2 OPERATION, AND 11B-408.3.2 SWINGING DOORS. (11B-408.3.2)

32. SWINGING DOORS SHALL BE POWER-OPERATED AND SHALL COMPLY WITH ANSI/BHMA A156.19 (1997 OR 2002 EDITION). (11B408.3.2.1)

33. ELEVATOR CARS SHALL PROVIDE A CLEAR WIDTH 42 INCHES MINIMUM AND A CLEAR DEPTH 54 INCHES MINIMUM. CAR DOORS SHALL BE POSITIONED AT THE NARROW ENDS OF CARS AND SHALL PROVIDE 32 INCHES MINIMUM CLEAR WIDTH. (11B-408.4.1, FIGURE 11B408.4.1 SEE EXCEPTION)

34. FLOOR SURFACES IN ELEVATOR CARS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES AND 11B-303 CHANGES IN LEVEL. (11B-408.4.2)

35. THE PLATFORM TO HOISTWAY CLEARANCE SHALL COMPLY WITH 11B-407.4.3 PLATFORM TO HOISTWAY CLEARANCE. (11B-408.4.3)

36. ELEVATOR CAR LEVELING SHALL COMPLY WITH 11B-407.4.4 LEVELING. (11B-408.4.4)

37. ELEVATOR CAR ILLUMINATION SHALL COMPLY WITH 11B-407.4.5 ILLUMINATION. (11B-408.4.5)

38. CONTROL PANELS SHALL BE CENTERED ON A SIDE WALL. (11B-408.4.6)

39. DESIGNATIONS AND INDICATORS OF CAR CONTROLS SHALL COMPLY WITH 11B-407.4.7 DESIGNATIONS AND INDICATORS OF CAR CONTROLS. (11B-408.4.7)

40. CAR EMERGENCY SIGNALING DEVICES COMPLYING WITH 11B-407.4.9 EMERGENCY COMMUNICATION SHALL BE PROVIDED. (11B-408.4.8 PRIVATE RESIDENCE ELEVATORS)

S. ELEVATORS - LA CITY NOTES

1. ELEVATORS PROVIDED FOR PASSENGERS SHALL COMPLY WITH 11B-407 ELEVATORS. WHERE MULTIPLE ELEVATORS ARE PROVIDED, EACH ELEVATOR SHALL COMPLY WITH 11B-407 ELEVATORS. (11B-206.6, SEE EXCEPTIONS)

2. WHERE ELEMENTS OF EXISTING ELEVATORS ARE ALTERED, THE SAME ELEMENT SHALL ALSO BE ALTERED IN ALL ELEVATORS THAT ARE PROGRAMMED TO RESPOND TO THE SAME HALL CALL CONTROL AS THE ALTERED ELEVATOR AND SHALL COMPLY WITH THE REQUIREMENTS OF 11B-407 ELEVATORS FOR THE ALTERED ELEMENT. § 11B-206.6.1 EXCEPTION: WHERE A GROUP OF EXISTING ELEVATORS ARE ALTERED INTO A DESTINATION-ORIENTED ELEVATORS ARE ALTERED, THE SAME ELEMENTS SHALL ALSO BE ALTERED IN ALL ELEVATORS THAT ARE PROGRAMMED TO RESPOND TO THE SAME CALL CONSOLE OR GROUP OF CALL CONSOLES AND SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 11B-411 FOR THE ALTERED ELEMENTS.

3. ELEVATORS SHALL COMPLY WITH 11B-407 ELEVATORS AND WITH ASME A17.1. THEY SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC. WHEN THE ONLY ELEVATORS PROVIDED FOR USE BY THE PUBLIC AND EMPLOYEES ARE COMBINATION PASSENGER AND FREIGHT ELEVATORS, THEY SHALL COMPLY WITH 11B-407 ELEVATORS AND WITH ASME A17.1. (11B-407.1, 11B-407.1.1)

4. WHERE ELEVATOR CALL BUTTONS OR KEYPADS ARE PROVIDED, THEY SHALL COMPLY WITH 11B-407.2.1 CALL CONTROLS AND 11B-309.4 OPERATION. (11B-407.2.1)

5. CALL BUTTONS AND KEYPADS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 11B-308 REACH RANGES, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART. (11B-407.2.1.1)

6. CALL BUTTONS SHALL HAVE SQUARE SHOULDERS, BE ¾ INCH MINIMUM IN THE SMALLEST DIMENSION AND SHALL BE RAISED ⅛ INCH PLUS OR MINUS 1/32 INCH ABOVE THE SURROUNDING SURFACE. THE BUTTONS SHALL BE ACTIVATED BY A MECHANICAL MOTION THAT IS DETECTABLE. (11B-407.2.1.2)

7. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 11B-305 CLEAR FLOOR OR GROUND SURFACE SHALL BE PROVIDED AT CALL CONTROLS. (11B-407.2.1.3)

8. EXCEPT FOR DESTINATION-ORIENTED ELEVATORS, THE CALL BUTTON THAT DESIGNATES THE UP DIRECTION SHALL BE LOCATED ABOVE THE CALL BUTTON THAT DESIGNATES THE DOWN DIRECTION. (11B-407.2.1.4)

9. EXCEPT AT DESTINATION-ORIENTED ELEVATORS, VISIBLE SIGNAL FIXTURES SHALL BE CENTERED AT 72 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. THE VISIBLE SIGNAL ELEMENTS SHALL BE A MINIMUM 2½ INCHES HIGH BY 2½ INCHES WIDE. SIGNALS SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTON. (11B-407.2.2.2, FIGURE 11B-407.2.2.2)

10. FLOOR DESIGNATIONS COMPLYING WITH 11B-703.2 RAISED CHARACTERS AND 11B-703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. FLOOR DESIGNATIONS SHALL BE PROVIDED IN BOTH RAISED CHARACTERS AND BRAILLE. RAISED CHARACTERS SHALL BE 2 INCHES HIGH. A RAISED STAR, PLACED TO THE LEFT OF THE FLOOR DESIGNATION, SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL. THE OUTSIDE DIAMETER OF THE STAR SHALL BE 2 INCHES AND ALL POINTS SHALL BE OF EQUAL LENGTH. RAISED CHARACTERS, INCLUDING THE STAR, SHALL BE WHITE ON A BLACK BACKGROUND. BRAILLE COMPLYING WITH SECTION 11B-703.3 BRAILLE SHALL BE PLACED BELOW THE CORRESPONDING RAISED CHARACTERS AND THE STAR. THE BRAILLE TRANSLATION FOR THE STAR SHALL BE "MAIN". APPLIED PLATES ARE ACCEPTABLE IF THEY ARE PERMANENTLY FIXED TO THE JAMB. (11B407.2.3.1, FIGURE 11B-407.2.3.1)

11. ELEVATOR DOORS SHALL BE THE HORIZONTAL SLIDING TYPE. CAR GATES SHALL BE PROHIBITED. (11B-407.3.1)

12. ELEVATOR HOISTWAY AND CAR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY. § 11B-407.3.2 (SEE EXCEPTION)

13. THE WIDTH OF ELEVATOR DOORS SHALL COMPLY WITH TABLE 11B-407.4.1. (11B-407.3.6 SEE EXCEPTION)

14. INSIDE DIMENSIONS OF ELEVATOR CARS AND CLEAR WIDTH OF ELEVATOR DOORS SHALL COMPLY WITH TABLE 11B-407.4.1. (11B-407.4.1 SEE EXCEPTION)

15. FLOOR SURFACES IN ELEVATOR CARS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES AND 11B-303 CHANGES IN LEVEL. (11B-407.4.2)

16. THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF ANY HOISTWAY LANDING SHALL BE 1¼ INCH MAXIMUM. (11B407.4.3)

17. ELEVATOR CAR CONTROLS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 11B-308 REACH RANGES. (11B-407.4.6, SEE EXCEPTIONS AS APPLICABLE)

18. CAR CONTROL BUTTONS WITH FLOOR DESIGNATIONS SHALL COMPLY WITH THE FOLLOWING: (11B-407.4.6.2)

   18.1 BUTTONS SHALL HAVE SQUARE SHOULDERS, BE 3/4 INCH MINIMUM IN THEIR SMALLEST DIMENSION AND BE RAISED 1/8 INCH PLUS OR MINUS 1/32 INCH ABOVE THE SURROUNDING SURFACE. (11B-407.4.6.2.1)

   18.2 BUTTONS SHALL BE ARRANGED WITH NUMBERS IN ASCENDING ORDER. WHEN TWO OR MORE COLUMNS OF BUTTONS ARE PROVIDED THEY SHALL READ FROM LEFT TO RIGHT. (11B-407.4.6.2.2)

   18.3 CAR CONTROL BUTTONS SHALL BE ILLUMINATED. (11B-407.4.6.2.3)

   18.4 CAR CONTROL BUTTONS SHALL BE ACTIVATED BY A MECHANICAL MOTION THAT IS DETECTABLE. (11B-407.4.6.2.4)

19. EMERGENCY CONTROL BUTTONS SHALL HAVE THEIR CENTERLINES 35 INCHES MINIMUM ABOVE THE FINISH FLOOR. (11B-407.4.6.4.1)

20. EMERGENCY CONTROLS, INCLUDING THE EMERGENCY ALARM, SHALL BE GROUPED AT THE BOTTOM OF THE PANEL. (11B-407.4.6.4.2)

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

		DATE:
ARCHITECT: DEBRA GEROD	LIC. NO. C23665	12/16/2021
ARCHITECTURAL DIVISION		
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: NG, CG		
CHECKED BY: JA		11/08/201
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT		

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ACCESSIBILITY NOTES

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G006

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:07:02 AM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

LADBS DEPARTMENT OF BUILDING AND SAFETY

2020 Los Angeles Green Building Code

FORM GRN 15

GREEN BUILDING CODE PLAN CHECK NOTES

NON-RESIDENTIAL BUILDINGS

1. State on plans that the outdoor lighting systems shall be designed and installed to comply with all of the following:
   a. The minimum requirements in California Energy Code for Lighting Zones 1-4
   b. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-11
   c. Allowable BUG ratings not exceeding those shown in on Table 5.106.8. (5.106.8)
2. Separate submeters shall be installed in any building or new space within a building that is projected to consume more than 1,000 gal/day. (5.303.1.2)
3. New plumbing fixtures and fittings shall not exceed the maximum allowable flow rate specified in Section 5.303.3. (5.303.3)
4. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80psi, or the shower shall be designed to only allow one showerhead to be in operation at a time. (5.303.3.3)
5. For projects that include landscape work, the *Landscape Certification*, Form GRN 12, shall be completed prior to final inspection approval. (State Assembly Bill No. 1881)
6. Installed automatic irrigation system controllers are weather- or soil-based controllers. (WMELO, § 492.7)
7. Weather-resistant exterior wall and foundation envelope shall be detailed in conformance with Los Angeles Building Code Section 1403.2 and California Energy Code Section 150. (5.407.1)
8. Automatic landscape irrigators shall be installed such that it doesn't spray on the structure. (5.407.2.1)
9. New exterior entries and openings subject to foot traffic shall be protected against water intrusion using features such as overhangs, awnings and/or recesses for a combined depth over the entry of at least 4 feet. (5.407.2.2.1)
10. Nonabsorbent interior floor and wall finishes shall be used within at least two feet around and perpendicular to new exterior entries and/or opening subject to foot traffic. (5.407.2.2.1)
11. Exterior entries shall have flashing integrated with the drainage plane. (5.407.2.2.2)
12. Only a City of Los Angeles certified hauler will be used for hauling of construction waste. (5.408.1)
13. 100% of excavated soil and vegetation resulting from land clearing shall be reused or recycled. (5.408.3)
14. A final report for the testing and adjusting of all new systems shall be completed and provided to the field inspector prior to final approval. This report shall be signed by the individual responsible for performing these services. (5.410.4.4)
15. For all new equipment, an *Operation & Systems Manual* shall be provided to the owner and the field inspector at the time of final inspection. (5.410.4.5)
16. All new gas fireplaces must be direct-vent, sealed combustion type. Wood burning fireplaces are prohibited per AQMD Rule 445. (5.503.1, AQMD Rule 445)
17. If the new HVAC system is used during construction, use return air filters with a MERV of 8. Replace all filters immediately prior to occupancy. (5.504.1.3)
18. All new ducts and other new related air distribution components openings shall be covered with tape, plastic, or sheet metal until the final startup of the heating, cooling and ventilating equipment. (5.504.3)
19. Architectural paints and coatings, adhesives, caulks and sealants shall comply with the Volatile Organic Compound (VOC) limits listed in Tables 5.504.4.1-5.504.4.3. (5.504.4.1- 5.504.4.3)
20. The *VOC Content Verification Checklist,* Form GRN 2, shall be completed and verified prior to final inspection approval. The manufacturer's specifications showing VOC content for all applicable products shall be readily available at the job site and be provided to the field inspector for verification. (5.504.4.3.2)
21. All new carpet installed in the building interior meets the testing and product requirements of one of the following:
   a. Carpet and Rug Institute's Green Label Plus Program
   b. California Department of Public Health's Specification 01350
   c. NSF/ANSI 140 at the Gold level
   d. Scientific Certifications Systems Indoor Advantage™ Gold (5.504.4.4)
22. All new carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program. (5.504.4.4.1)
23. New hardwood plywood, particle board, and medium density fiberboard composite wood products used in the interior or exterior of the building shall meet the formaldehyde limits. (5.504.4.5, 10.504.4.5)
24. The *Formaldehyde Emissions Verification Checklist,* Form GRN 3, shall be completed prior to final inspection approval. The manufacturer's specifications showing formaldehyde content for all applicable wood products shall be readily available at the job site and be provided to the field inspector for verification. (5.504.4.5)
25. 80% of the total area receiving new resilient flooring shall comply with one or more of the following:
   a. VOC emission limits defined in the CHPS High Performance Products Database
   b. Certified under UL GREENGUARD Gold
   c. Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program
   d. Meet the California Department of Public Health's Specification 01350 (5.504.4.6)
26. Mechanically ventilated buildings shall have air filter with a Minimum Efficiency Reporting Value (MERV) of 13 or higher. Filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. (5.504.5.3)
27. Designated outdoor smoking area shall be at least 25 feet from an outdoor air intake or operable windows. (5.504.7)
28. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2 Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 (5.505.1)
29. Buildings that use Demand Control Ventilation shall have CO_2 sensors and ventilation controls installed in accordance with the requirements of the current edition of the California Energy Code, CCR, Title 24, Part 6, Section 121(c). (5.506.2)
30. The HVAC, refrigeration, and fire suppression equipment shall not contain CFC or Halons. (5.508.1.)
31. Retail food stores of 8,000 sq. ft. or more of conditioned area that have a commercial refrigeration system with a global warming potential (GWP) of 150 or greater shall have leak reduction measures in accordance with LAGBC Section 5.508.2. Separate mechanical plan check is required. (5.508.2)

PHASE 1A

LADBS DEPARTMENT OF BUILDING AND SAFETY

2017 Los Angeles Green Building Code

FORM GRN 10

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET (Sheet # or N/A)	COMMENTS (e.g. note #, detail # or reason for N/A)
25	5.410.1	Recycling by occupants (additions that are > 30% of existing floor area)	N/A	ALTERATION IS < 30% OF TOTAL BUILDING AREA AND ONLY AFFECTS SURFACE PARK AND PARKING GARAGE
26	5.410.4	Testing, adjusting and balancing	M001	
27	5.410.4.2	– Systems	↓	
28	5.410.4.3	– Procedures	↓	
29	5.410.4.3.1	– HVAC balancing	↓	
30	5.410.4.4	– Reporting	↓	
31	5.410.4.5	– Operation and maintenance manual	↓	
32	5.410.4.5.1	– Inspections and reports	↓	
		ENVIRONMENTAL QUALITY		
33	5.503.1	Fireplace and Woodstoves	N/A	NOT IN PROGRAM
34	5.504.1.3	Temporary ventilation	N/A	NOT IN PROGRAM
35	5.504.3	Covering of duct openings and protection of mechanical equipment during construction	M001	
36	5.504.4	Finish material pollutant control	G007	SEE ATTACHED FORM GRN-11 FOR LIMITS
37	5.504.4.1	– Adhesives, sealants, and caulks		
38	5.504.4.3	– Paints and coatings		
39	5.504.4.3.1	– Aerosol paints and coatings		
40	5.504.4.3.2	– Verification	G007	SEE NOTE ON SHEET
41	5.504.4.4	Carpet systems	N/A	NOT IN PROGRAM
42	5.504.4.4.1	Carpet cushion	N/A	NOT IN PROGRAM
43	5.504.4.5	Composite wood products	N/A	NOT IN PROGRAM
44	5.504.4.6	Resilient flooring systems	N/A	NOT IN PROGRAM
45	5.504.5.3	Filters	N/A	MEETS EXCEPTION: EXISTING MECHANICAL VENTILATION EQUIPMENT
46	5.504.7	Environmental tobacco smoke (ETS) control	N/A	NO SMOKING SITE-WIDE PER CITY ORDINANCE
47	5.505.1	Indoor moisture control	A771-1A, A772-1A	
48	5.506.2	Carbon dioxide (CO_2) monitoring	N/A	EXISTING BUILDING, NOT IN PROGRAM
49	5.507.4.1	Exterior noise transmission prescriptive method	N/A	MEETS EXCEPTION: EXISTING ENCLOSED PARKING STRUCTURE AND OUTDOOR OPEN AIR PARK
50		– Exterior noise transmission for roof	↓	↓
51		– Exterior noise transmission for walls	↓	↓
52		– Exterior noise transmission for windows	↓	↓
53	5.507.4.2	Exterior noise transmission performance method	N/A	MEETS EXCEPTION: EXISTING ENCLOSED PARKING STRUCTURE AND OUTDOOR OPEN AIR PARK
54	5.507.4.3	Interior sound transmission	N/A	NOT IN SCOPE; NO CHANGES OR ADDITIONS TO INTERIOR SPACES, PARKING GARAGE ONLY, SINGLE TENANT
55	5.508.1	Ozone depletion and greenhouse gas reductions	N/A	EXISTING EQUIPMENT NOT ALTERED BY RENOVATION
56	5.508.2	Supermarket refrigerant leak reduction	N/A	NOT IN PROGRAM

LADBS DEPARTMENT OF BUILDING AND SAFETY

STORM WATER POLLUTION CONTROL

(2020 Los Angeles Green Building Code)

FORM GRN 1

Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Construction Projects

The following notes shall be incorporated in the approved set of construction/grading plans and represents the minimum standards of good housekeeping which must be implemented on all construction projects.

Construction means constructing, clearing, grading or excavation that result in soil disturbance. Construction includes structure teardown (demolition). It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility; emergency construction activities required to immediately protect public health and safety; interior remodeling with no outside exposure of construction material or construction waste to storm water; mechanical permit work; or sign permit work. (Order No. 01-182, NPDES Permit No. CAS004001 – Part 5: Definitions)

1. Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via sheet flow, swales, area drains, natural drainage or wind.
2. Stockpiles of earth and other construction-related materials shall be covered and/or protected from being transported from the site by wind or water.
3. Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall not contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall not be washed into the drainage system.
4. Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained on the project site.
5. Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain concrete waste on-site until it can be appropriately disposed of or recycled.
6. Trash and construction –related solid wastes must be deposited into a covered receptacle to prevent contamination of storm water and dispersal by wind.
7. Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the street/public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.
8. Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be properly located to collect all tributary site runoff.
9. Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be conveyed to the street and the storm drain system provided that an approved filtering system is installed and maintained on-site during the construction duration.

NOTE PER GRN-11: VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AT THE REQUEST OF THE ENFORCING AGENCY. DOCUMENTATION MY INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:

1. MANUFACTURER'S PRODUCT SPECIFICATION
2. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS

LADBS DEPARTMENT OF BUILDING AND SAFETY

PLUMBING FIXTURE FLOW RATES

Non-Residential Occupancies

2020 Los Angeles Green Building Code

(Incorporate this form into the plans)

FORM GRN 17

SECTION 5.303.2
WATER REDUCTION FIXTURE FLOW RATES

FIXTURE TYPE	MAXIMUM ALLOWABLE FLOW RATE
Showerheads	1.8 gpm @ 80 psi
Lavatory faucets, residential	1.2 gpm @ 60 psi[1,3]
Lavatory Faucets, nonresidential	0.4 gpm @ 60 psi[1,3]
Kitchen faucets	1.5 gpm @ 60 psi[2,4,5]
Wash fountains	1.8 gpm for every 20 in. of rim space @60 psi
Metering faucets	0.2 gallons/cycle
Metering faucets for wash fountains	0.2 gpm for every 20 in. of rim space @ 60 psi
Gravity tank type water closets	1.28 gallons/flush[6]
Flushometer tank water closets	1.28 gallons/flush[6]
Flushometer valve water closets	1.28 gallons/flush[6]
Urinals	0.125 gallons/flush
Clothes Washers	ENERGY-STAR certified
Dishwashers	ENERGY-STAR certified

[1] Lavatory faucets shall not have a flow rate less than 0.8 gpm at 20 psi.
[2] Kitchen faucets may temporarily increase flow above the maximum rate, but not above 2.2gpm @ 60psi and must default to a maximum flow rate of 1.8 gpm @ 60psi.
[3] Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.
[4] Kitchen faucets with a maximum 1.8 gpm flow rate may be installed in buildings that have water closets with a maximum flush rate of 1.06 gallons/flush installed throughout
[5] This requirement does not apply to faucets in commercial kitchens.
[6] Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.
Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.233.2.
Dual Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.

LADBS DEPARTMENT OF BUILDING AND SAFETY

VOC AND FORMALDEHYDE LIMITS

2017 Los Angeles Green Building Code

(Incorporate this form into the plans)

FORM GRN 11

The tables below are taken from the 2017 Los Angeles Green Building Code
Tables 4.504.1, 4.504.2, 4.504.3, 4.504.5, 5.504.4.1, 5.504.4.2, 5.504.4.3, 5.504.4.5

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]
Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY[2,3]	CURRENT LIMIT
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
Specialty Coatings	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coatings (sign paints)	500
High temperature coatings	420
Industrial maintenance coatings	250
Low solids coatings[1]	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Rust preventative coatings	250
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

[1] Grams of VOC per liter of coating, including water and including exempt compounds.
[2] The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
[3] Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

FORMALDEHYDE LIMITS[1]
Maximum Formaldehyde Emissions in Parts per Million.

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard[2]	0.13

[1] Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333. For additional information, see *California Code of Regulations*, Title 17, Sections 93120 through 93120.12.
[2] Thin medium density fiberboard has a maximum thickness of 5/16 inches (8 mm).

SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural	
Nonporous	250
Porous	775
Modified bituminous 500	500
Marine deck	760
Other	750

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

ADHESIVE VOC LIMIT[1,2]
Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	250
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

[1] If an adhesive is used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.
[2] For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168, http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF.

PHASE 1A

LADBS DEPARTMENT OF BUILDING AND SAFETY

2017 Los Angeles Green Building Code

FORM GRN 10

MANDATORY REQUIREMENTS CHECKLIST

ADDITIONS AND ALTERATIONS TO NON-RESIDENTIAL BUILDINGS

(COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS)

Permit # 20016 - 10000 - 31937 Date: ____________

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET (Sheet # or N/A)	COMMENTS (e.g. note #, detail # or reason for N/A)
		PLANNING AND DESIGN		
1	5.106.1	Storm water drainage and retention during construction	C110	
2	5.106.4.1.1	Short-term bicycle parking (≥ 10 vehicular parking spaces)	N/A	NO NEW PARKING STALLS ADDED
3	5.106.4.1.2	Long-term bicycle parking (≥ 10 vehicular parking spaces)	N/A	NO NEW PARKING STALLS ADDED
4	5.106.5.2	Designated parking (≥ 10 vehicular parking spaces)	N/A	NO NEW PARKING STALLS ADDED
5	5.106.10	Grading and Paving	C120	
		WATER EFFICIENCY & CONSERVATION		
6	5.303.1.1	Additions in excess of 50,000 sq ft	N/A	BUILDING ADDITION/ ALTERATION LESS THAN 50,000 SF
7	5.303.1.2	Excess consumption	N/A	NO BUILDING ADDITION, RECONFIGURATION OF EXISTING OUTDOOR PARK AND PARKING GARAGE ONLY
8	5.303.2	Water reduction	N/A	NOT IN PROGRAM
9	5.303.3	Water conserving plumbing fixtures and fittings	N/A	NOT IN PROGRAM
10	5.303.3.3	Showerheads	N/A	NOT IN PROGRAM
11	5.304.1	Outdoor water use in landscape areas	L300-1A	
12	5.304.3	Irrigation controller and sensor application	N/A	CODE SECTION RESERVED/ EMPTY
13	5.304.4	Outdoor water use meters	N/A	CODE SECTION RESERVED/ EMPTY
14	5.304.5	Exterior faucets	N/A	CODE SECTION RESERVED/ EMPTY
15	5.305.1	Graywater ready	N/A	CODE SECTION RESERVED/ EMPTY
16	5.305.2	Recycled water supply to fixtures	N/A	CODE SECTION RESERVED/ EMPTY
		MATERIAL CONSERVATION & RESOURCE EFFICIENCY		
17	5.407.1	Weather protection	A771-1A, A772-1A	
18	5.407.2.1	Sprinklers	N/A	NO SPRINKLER SPRAY HEADS PHASE 1A
19	5.407.2.2.1	Nonabsorbent floor and wall finishes	A772-1A	
20		Exterior door protection	A771-1A, A772-1A	
21	5.407.2.2.2	Flashing	A501, A782	A501= GENERAL FLASHING DETAILS, A782= ELEVATOR ENCLOSURE FLASHING
22	5.408.1	Construction waste diversion	L001	
23	5.408.2	Universal Waste	G008	
24	5.408.3	Excavated soil and land clearing debris	C110, L600-1A, LA600-1A	

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE: 12/16/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GREEN BUILDING NOTES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. G007-1A
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE: 11/3/2021 9:07:04 AM
PLOTTED: 11/3/2021 9:07:04 AM

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

Households and Conditionally Exempt Small Quantity Universal Waste Generators (CESQUWG)

Two categories of universal waste handlers—households and CESQUWGs—are exempt from most of the requirements of the universal waste regulations provided they comply with certain conditions. Handlers who qualify for these exemptions are not required:

- To obtain an EPA ID number or otherwise notify DTSC;
- To keep records of shipments or provide annual reports to DTSC; or
- To label their universal waste.

A household is defined to include a single detached residence (e.g., a house) or a single unit of a multiple residence unit (e.g., an apartment or condominium). Households that generate hazardous wastes other than universal wastes (e.g., paints and motor oil) can visit DTSC's household hazardous waste Web page (http://www.dtsc.ca.gov/HazardousWaste/UniversalWaste/HHW.cfm) for information on how to properly dispose of them.

A Conditionally Exempt Small Quantity Universal Waste Generator (CESQUWG) is a universal waste generator who produces less than 100 kilograms (220 pounds) of RCRA hazardous waste, including universal waste that is RCRA universal waste and less than 1 kilogram of acutely hazardous waste in a calendar month. (RCRA hazardous waste is hazardous waste that is regulated under the hazardous waste regulations adopted by the U.S. Environmental Protections Agency.)

Pursuant to section 66273.8 of title 22 of the California Code of Regulations, a generator who meets the definition of a household or a CESQUWG is exempt from universal waste handler requirements provided he or she:

1) Does not dispose of universal waste;
2) Relinquishes universal waste only to another universal waste handler, a universal waste transporter, a destination facility, or a curbside household hazardous waste collection program; and
3) Does not conduct treatment of universal waste, except for limited activities enumerated in the regulations (e.g., removing batteries, light bulbs, or mercury switches). This exemption applies only to universal waste generated by the household (e.g. light bulbs, computers, televisions, thermostats, cell phones, etc.), not to universal waste accepted from other people.

Where can I send universal wastes?

A handler may not send universal waste to a municipal solid waste (garbage) landfill or a non-hazardous waste recycling center. All handlers of universal waste must relinquish their universal waste to one of the following:

STATE OF CALIFORNIA

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

1. Another handler (typically a business that specializes in collecting, storing, accumulating and shipping universal wastes). Examples:
   - A household hazardous waste facility
   - A "Take-it-Back Partner" such as a retailer or manufacturer
   - A collection event
2. A universal waste transporter. Examples:
   - A curbside HHW collection program
   - A package service (e.g., postal service, UPS)
   - A destination facility that offers a pick-up service
3. A universal waste destination facility (generally, a facility with a permit to treat, store, or dispose of hazardous waste).

Search engines available to find locations accepting universal waste in your area: E-Recycle.org; Earth911.org; CalRecycle database; DTSC map; HHW list;

For more information, see DTSC's Universal Waste Web page at: http://www.dtsc.ca.gov/HazardousWaste/UniversalWaste/index.cfm

Contact your DTSC regulatory assistance officer at: (800) 728-6942

STATE OF CALIFORNIA

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

Regulatory Standards for Universal Waste

The UWR has separate requirements for of each of the three types of regulated entities:
1. Universal waste handlers
2. Universal waste transporters
3. Destination Facilities

Universal Waste Handlers

A universal waste handler is a generator of universal waste or the owner or operator of a facility that receives universal waste from another universal waste handler, accumulates universal waste, and sends universal waste to another universal waste handler, a facility that accepts hazardous waste, or a foreign country.

A universal waste handler may be:

1. A person (e.g., a household or business) who generates universal waste but does not accept universal waste from others
2. A person who accepts and accumulates universal waste generated by others at his or her facility
3. A person who accepts universal waste generated by others and conducts certain treatment and recycling activities allowed by the universal waste handler regulations

Management Requirements for Universal Waste Handlers (Cal. Code Regs, tit. 22, sections 66273.30-66273.39; additional requirements for handlers who conduct authorized treatment, Cal. Code Regs, tit. 22, sections 66273.70-.77)

- Do not dispose of universal waste or treat universal waste except as provided for in the regulations
- Notify DTSC and/or obtain an EPA identification number
- Use proper containment—non-leaking, compatible containers
- Segregate universal waste in distinct areas
- Determine if materials generated when handling/recycling are hazardous wastes
- Comply with applicable requirements for hazardous waste
- If applicable, comply with zoning requirements when storing universal wastes
- Have spill kits readily available to deal with accidental spills (mercury-containing devices)
- Use proper labeling and markings
- Accumulate universal waste no longer than one year

STATE OF CALIFORNIA

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

- Provide personnel training to personnel who manage universal waste, or who supervise personnel who manage universal waste and keep training records
- Respond to releases of universal waste or its contents; determine if spill residuals are hazardous waste
- Track shipments by keeping records of what was received and shipped (name, address, quantities) for three years

Universal Waste Transporters

A universal waste transporter is a person engaged in the offsite transportation of universal waste by air, rail, highway or water. A universal waste transporter may be:

1. Universal waste handler carrying universal waste in his or her own vehicle
2. A package shipping service (e.g., US Postal Service; FedEx, UPS)
3. A commercial carrier (e.g., a trucking company, a hauler specializing in universal waste, or the operator of a destination facility that offers a universal waste pick-up service)
   - ➢ If you do not own or operate a facility that accepts, generates, accumulates, or stores universal waste, but you pick up and transport universal waste (e.g., electronic devices from office complexes) to a recycling or collection facility, you are a universal waste transporter. Universal waste transporters do not need to notify DTSC or submit annual reports for their transportation activities.
   - ➢ Universal waste transporters may store universal waste at a transfer facility for up to 10 days (depending on local zoning). A universal waste transporter who exceeds this limit is considered a universal waste handler and is subject to the handler requirements summarized above.

Destination Facilities

A destination facility is a fully-regulated hazardous waste facility that treats, disposes of, or recycles a specific type of universal waste. Examples of destination facilities are hazardous waste recycling facilities and hazardous waste landfills. A destination facility shall manage the universal waste in accordance with the requirements and conditions in its hazardous waste facility permit, unless authorized by section 66273.60 of title 22 of the California Code of Regulations to manage it pursuant to the reduced requirements applicable to universal waste handlers. A destination facility is required to follow certain rules for shipping universal wastes off-site and for rejecting shipments that contain universal waste and is required to keep records of all shipments received for three years. A facility that only accepts and accumulates universal waste is not a destination facility. Such a facility is regulated as a universal waste handler.

STATE OF CALIFORNIA

LA DBS DEPARTMENT OF BUILDING AND SAFETY

2017 Los Angeles Green Building Code

FORM GRN 18N

WATER CONSERVATION ORDINANCE NOTES
NON-RESIDENTIAL BUILDINGS

1. For new buildings or additions exceeding 50,000 ft², install a separate water meter or sub-meter for the following areas:
   A. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gpd (380 L/day).
   B. Where potable water is used for industrial/process uses, for water supplied to the following subsystems:
      a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
      b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
      c. Steam and hot-water boilers with energy input more than 500,000 Btu/h (147 kW).
   C. For each building that uses more than 100 gpd on a parcel containing multiple buildings. (5.303.1.1)
2. Provide a 20% reduction in the overall potable water use for each building. The reduction shall be based on the maximum allowable water use per plumbing fixture and fittings as required by the Los Angeles Plumbing Code. New projects having a water supply of 2"or less and additions and alterations projects may use the prescriptive method outlined in this section. (5.303.2)
3. A water budget for landscape irrigation use that conforms to the California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO) is required for new landscape areas of 500 sqft or more. The following methods to reduce potable water use in landscape areas include, but are not limited to, use of captured rainwater, recycled water, graywater, or water treated for irrigation purposes and conveyed by a water district or public entity. (5.304.1, 5.304.2)
4. New buildings on a site with 1,000 square feet or more of cumulative landscape area shall have separate meters or submeters for outdoor water use. (5.304.4)
5. Additions and alterations on a site with 1,000 square feet of cumulative landscape area which require water service upgrade shall have separate meters or submeters for outdoor water use. (5.304.4)
6. Locks shall be installed on all publicly accessible exterior faucets and hose bibs. (5.304.5)
7. Except as provided in this section, for sites with over 500 square feet of landscape area, alternate waste piping shall be installed to permit discharge from the clothes washer, bathtub, showers, and bathroom/restrooms wash basins to be used for a future graywater irrigation system (5.305.1)
8. Except as provided in this section, where City-recycled water is available within 300 feet of the property line, water closets, urinals, floor drains, and process cooling and heating in the building shall be supplied from recycled water and shall be installed in accordance with the Los Angeles Plumbing Code. (5.305.2)
9. Cooling towers shall comply with one of the following:
   A. Shall have a minimum of 6 cycles of concentration (blowdown)
   B. A minimum of 50% of the makeup water supply to the cooling towers shall come from non-potable water sources, including treated backwash. (5.305.3)
10. Develop and construct a system for onsite reuse of the groundwater where groundwater is being extracted and discharged. Alternatively, the groundwater may be discharged to the sewer. (5.305.4)
11. Provide a hot water system complying with one of the following:
    A. The hot water system shall not allow more than 0.6 gallons of water to be delivered to any fixture before hot water arrives.
    B. Where a hot water recirculation or electric resistance heat trace wire system is installed, the branch from the recirculating loop or electric resistance heat trace wire to the fixture shall contain a maximum of 0.6 gallons. (Los Angeles Plumbing Code Section 610.4.1)

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

(Rev. 07/01/18) Page 1 of 1 www.ladbs.org

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

Fact Sheet, January 2010

Universal Waste Fact Sheet

California's Universal Waste Rule allows individuals and businesses to transport, handle and recycle certain common hazardous wastes, termed universal wastes, in a manner that differs from the requirements for most hazardous wastes. The more relaxed requirements for managing universal wastes were adopted to ensure that they are managed safely and are not disposed of in the trash.

What are Universal Wastes?

Universal wastes are hazardous wastes that are widely produced by households and many different types of businesses. Universal wastes include televisions, computers and other electronic devices as well as batteries, fluorescent lamps, mercury thermostats, and other mercury containing equipment, among others.

The hazardous waste regulations (Cal. Code Regs, tit. 22, div. 4.5, ch. 11 section 66261.9) identify seven categories of hazardous wastes that can be managed as universal wastes. Any unwanted item that falls within one of these waste streams can be handled, transported and recycled following the simple requirements set forth in the universal waste regulations (UWR) (Cal. Code Regs, tit. 22, div. 4.5, ch. 23)

Universal wastes are:

1. Electronic devices: Includes any electronic device that is a hazardous waste (with or without a Cathode Ray Tube (CRT)), including televisions, computer monitors, cell phones, VCRs, computer CPUs and portable DVD players.
2. Batteries: Most household-type batteries, including rechargeable nickel-cadmium batteries, silver button batteries, mercury batteries, alkaline batteries and other batteries that exhibit a characteristic of a hazardous waste
3. Electric lamps: Fluorescent tubes and bulbs, high intensity discharge lamps, sodium vapor lamps and electric lamps that contain added mercury, as well as any other lamp that exhibits a characteristic of a hazardous waste. (e.g., lead).
4. Mercury-containing equipment: Thermostats, mercury switches, mercury thermometers, pressure or vacuum gauges, dilators and weighted tubing, mercury rubber flooring, mercury gas flow regulators, dental amalgams, counterweights, dampers and mercury added novelties such as jewelry, ornaments and footwear.
5. CRTs: The glass picture tubes removed from devices such as televisions and computer monitors.
6. CRT glass: A cathode ray tube that has been accidently broken or processed for recycling.
7. Non-empty aerosol cans

Universal Wastes may not be disposed of in the trash!

STATE OF CALIFORNIA

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agencyter PATSAUISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

CITY ENGINEER GARY LEE MOORE, PE, ENV SP DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 11/08/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GREEN BUILDING NOTES

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G008

SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:07:06 AM

PLOTTED: 11/3/2021 9:07:06 AM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

VAN AMBATIELOS
PRESIDENT

E. FELICIA BRANNON
VICE PRESIDENT

JOSELYN GEAGA-ROSENTHAL
GEORGE HOVAGUIMIAN
JAVIER NUNEZ

CITY OF LOS ANGELES
CALIFORNIA

ERIC GARCETTI
MAYOR

DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

FRANK M. BUSH
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

OSAMA YOUNAN, P.E.
EXECUTIVE OFFICER

SOILS REPORT APPROVAL LETTER

July 23, 2018

LOG # 103640-01
SOILS/GEOLOGY FILE - 2

City of Los Angeles
1149 S. Broadway
Los Angeles, Ca 90015

TRACT:	ORD'S SURVEY (M R 53-66/73)
BLOCK:	15
LOT(S):	FR "UNNUMBERED LT"
LOCATION:	530 S. Olive St.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Soils Report	17-075	07/12/2018	Geotechnical Engineering Div.

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Review Letter	103640	06/18/2018	LADBS
Addendum Report	17-075	02/23/2018	Geotechnical Engineering Div.
Responsibility Ltr	``	01/29/2018	``
Soils Report	106987-2000	12/04/2017	Wildan Geotechnical

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provides recommendations for the proposed elevators, renovation, and ramp retrofitting to the existing Pershing Square. Pershing Square is an open space park facility on top of 3 levels of subterranean parking. The earth materials at the subsurface exploration locations consist of up to 24 feet of uncertified fill underlain by alluvium and clayey siltstone to silty claystone bedrock.

The consultants recommend to support the proposed structure(s) on conventional foundations bearing on competent bedrock.

The referenced reports are acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2017 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The soils engineer shall review and approve the detailed plans prior to issuance of any permit. This approval shall be by signature on the plans that clearly indicates the soils engineer has reviewed the plans prepared by the design engineer; and, that the plans included the recommendations contained in their reports (7006.1).

2. An on-site storm water infiltration system at the subject site shall not be implemented, as recommended.
3. All recommendations of the report(s) that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.
4. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans (7006.1). Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit.
5. A grading permit shall be obtained for all structural fill and retaining wall backfill (106.1.2).
6. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density. Placement of gravel in lieu of compacted fill is only allowed if complying with LAMC Section 91.7011.3.
7. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill (1809.2, 7011.3).
8. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction (7013.12).
9. All loose foundation excavation material shall be removed prior to commencement of framing. Slopes disturbed by construction activities shall be restored (7005.3).
10. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the General Safety Orders of the California Department of Industrial Relations (3301.1).
11. Excavations shall not remove lateral support from a public way, adjacent property or an existing structure. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)
12. A supplemental report shall be submitted to the Grading Division of the Department containing recommendations for shoring, underpinning, and sequence of construction in the event that any excavation would remove lateral support to the public way, adjacent property, or adjacent structures (3307.3). A plot plan and cross-section(s) showing the construction type, number of stories, and location of the structures adjacent to the excavation shall be part of the excavation plans (7006.2).
13. Prior to the issuance of any permit that authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the subject site shall provide the Department with evidence that the adjacent property owner has been given a 30-day written notice of such intent to make an excavation (3307.1).
14. Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.

15. Unsurcharged temporary excavation may be cut vertical up to 5 feet. Excavations over 5 feet shall be trimmed back at a uniform gradient not exceeding 1:1, from top to bottom of excavation, as recommended.
16. All foundations shall derive entire support from competent bedrock, as recommended and approved by the soils engineer by inspection.
17. The seismic design shall be based on a Site Class D as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.
18. Retaining walls shall be designed for the lateral earth pressures specified in the section 8.4 starting on page 16 of the 12/04/2018 report. Note: All surcharge loads shall be included into the design.
19. Retaining walls higher than 6 feet shall be designed for lateral earth pressure due to earthquake motions as specified on page 16 of the 12/04/2018 report (1803.5.12).
20. All retaining walls shall be provided with a standard surface backdrain system and all drainage shall be conducted in a non-erosive device to the street in an acceptable manner (7013.11).
21. With the exception of retaining walls designed for hydrostatic pressure, all retaining walls shall be provided with a subdrain system to prevent possible hydrostatic pressure behind the wall. Prior to issuance of any permit, the retaining wall subdrain system recommended in the soils report shall be incorporated into the foundation plan which shall be reviewed and approved by the soils engineer of record (1805.4).
22. Installation of the subdrain system shall be inspected and approved by the soils engineer of record and the City grading/building inspector (108.9).
23. Basement walls and floors shall be waterproofed/damp-proofed with an LA City approved "Below-grade" waterproofing/damp-proofing material with a research report number (104.2.6).
24. Prefabricated drainage composites (Miradrain, Geotextiles) may be only used in addition to traditionally accepted methods of draining retained earth.
25. All roof, pad and deck drainage shall be conducted to the street in an acceptable manner in non-erosive devices or other approved location in a manner that is acceptable to the LADBS and the Department of Public Works (7013.10).
26. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).
27. The soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading (7008 & 1705.6).
28. Prior to pouring concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the work inspected meets the conditions of the report. No concrete shall be poured until the LADBS Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)
29. Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction; protection fences; and, dust and traffic control will be scheduled (108.9.1).

30. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the soil inspected meets the conditions of the report. No fill shall be placed until the LADBS Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included (7011.3).

DAN RYAN EVANGELISTA
Structural Engineering Associate II

DRE/dre
Log No. 103640-01
213-482-0480

cc: Geotechnical Engineering Div., Project Consultant
LA District Office

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

		DATE:
ARCHITECT: DEBRA GEROD	LIC. NO. C23665	12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: NG, CG		
CHECKED BY: JA		
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LA SOILS REPORT APPROVAL LETTER
PROJECT: PERSHING SQUARE RENOVATION
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. G009
SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

- **The changes that would mandate accessible parking are generally being undertaken to make the subterranean parking garage more accessible.** New elevators are being added and escalators are being removed specifically to increase accessibility of the parking facilities. The scope of work is within the spirit of the requirements in item 4 to 11B-202.4 even though it is not one of the specific listed elements.

Request No. 2 Justification:

- **Although the water closets are not adjacent to the wall farthest from the entry door to the accessible stalls, the stalls themselves are provided with 67 inches of length in lieu of the minimum required 59 inches.** This allows for greater maneuvering space that will mitigate the loss of maneuvering space by not having the stalls located adjacent to the opening farthest from the entry door.

- **The condition is existing within the existing toilet stalls that are otherwise accessible, and alterations to meet the requirement would require substantial rework of the entire plumbing wall for very little added accessibility.** In consideration of the fact that very little added access would be gained relative to the amount of work and associated project cost required to meet the technical requirement, it has been determined that the condition in question qualifies as an unreasonable hardship based on:

  1. The cost of providing access.
  2. The cost of all construction contemplated.
  3. The impact of proposed improvements on financial feasibility of the project.
  4. The nature of the accessibility which would be gained or lost.
  5. The nature of the use of the facility under construction and its availability to persons with disabilities.

- **The changes that would mandate accessible parking are generally being undertaken to make the subterranean parking garage more accessible.** New elevators are being added and escalators are being removed specifically to increase accessibility of the parking facilities. The scope of work is within the spirit of the requirements in item 4 to 11B-202.4 even though it is not one of the specific listed elements.

SIMPSON GUMPERTZ & HEGER
Engineering of Structures and Building Enclosures

RFM #1 - 20016-10000-31937 27 JULY 2021
PERSHING SQUARE ACCESSIBILITY IN EXISTING PARKING STRUCTURE

REQUEST FOR MODIFICATION OF BUILDING CODE (LABC 11B-502.5 & 11B-604.8.1.2)

Code Requirement:

11B-502.5 Vertical clearance. Parking spaces, access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2489 mm) minimum.

Exception: In existing multistory parking facilities, car parking spaces, access aisles and vehicular routes serving them shall provide a vertical clearance of 80 inches (2032 mm) minimum. Existing vertical clearance in excess of 80 inches (2032 mm) and less than 98 inches (2489 mm) shall be maintained. This exception shall not apply to van parking spaces, access aisles, or vehicular routes serving them.

11B-604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with Section 11B-404 except that if the approach is from the push side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 48 inches (1219 mm) minimum measured perpendicular to the compartment door in its closed position. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (102 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be farthest from the water closet and shall be 54 inches (1372 mm) minimum from the rear wall. The door shall be self-closing. A door pull complying with Section 11B-404.2.7 shall be placed on both sides of the door near the latch. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors may swing into that portion of maneuvering space which does not overlap the clearance required at a water closet.

Request:

(1) To allow the vertical clearance in the existing subterranean parking facility to be 80 inches in lieu of requiring 98 inches at van accessible parking stalls and the aisles leading to them.
(2) To allow the water closets in the men's and women's accessible stalls of the existing water closets to be on the same side of the compartment in lieu of requiring that the door opening be the farthest from the water closet.

Background:
The Pershing Square park and select portions of the subterranean parking garage are being altered in three phases:

- Phase 1A includes adding two new accessible elevators and accessible means of egress stairway along Olive Street and removing the escalator/structure and replacing it with a new landscape area/plaza (landscape and trees).

SIMPSON GUMPERTZ & HEGER
Engineering of Structures and Building Enclosures

RFM #1 - 20016-10000-31937 27 JULY 2021
PERSHING SQUARE ACCESSIBILITY IN EXISTING PARKING STRUCTURE

- Phase 1B includes removing existing hard scape adjacent to Phase 1A plaza and replace with landscaping and new trees, connecting the existing areas with a sloped walkway and revitalization of existing planters along Olive Street and 5th Street.

- Phase 2 includes adding two new elevators and stairway along Hill Street to increase accessible access and removing the escalator/structure and aqueduct walls at Hill Street and replacing with new elevators, removing tall wall with circular columns along Hill Street and filling in the driveway to provide greater visibility into the park (exterior related to park only), revitalizing existing planters and adjusting them along Hill Street (exterior related to park only), providing wider stair access to park near center of Hill St and adding built in benches along Hill Street (exterior related to park only), and providing new location of pet area and landscaping the circular seating area near 6th street side (exterior related to park only).

In addition to the addition of new elevators to facilitate accessibility to the subterranean parking garage areas, the existing restrooms and parking on Garage Level 1 will be modified to improve the degree of accessibility.

With regard to vertical clearances leading to van accessible stalls, the heights vary along the route from grade, but are at least 89 inches. Refer to Attachment A for elevations along the accessible route.

Restrooms provided on Parking Level 1 do include accessible compartments for both sexes, though the water closets themselves are not located adjacent to the wall farthest from the entry to the accessible compartments. Refer to Attachment B for proposed drawings of the restrooms in question.

Request No. 1 Justification:

- **The parking garage is located entirely below grade and as such, it is technically infeasible to change the height of the structure without structurally impacting areas above.** In order to accommodate 98-inch heights along the entire accessible path from the entry of the subterranean garage to the accessible van stalls, it would be necessary to remove or alter load bearing members. This is in keeping with the definition of "TECHNICALLY INFEASIBLE", which is an alteration of a building or a facility, that has little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame, or because other existing physical or site constraints prohibit modification or addition of elements, spaces or features that are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility. Exception 2 to 11B-202.3 requires that the details of the finding that full compliance with the requirements is technically infeasible shall be recorded and entered into the files of the enforcing agency.

SIMPSON GUMPERTZ & HEGER
Engineering of Structures and Building Enclosures

LA DBS DEPARTMENT OF BUILDING AND SAFETY

REQUEST FOR MODIFICATION OF BUILDING ORDINANCES
UNDER AUTHORITY OF L.A.M.C. SECTION 98.0403

PERMIT APP. #: 20016-10000-31937	DATE: 07/27/21
JOB ADDRESS: 530 S Olive Street	For City Dept. Use Only: Disabled Access Section
Tract: 2077.10	Block: Lot:
Owner: LA CITY PARK	Petitioner: JOHN ANDERSON / GRUEN ASSOCIATES
Address: 355 GRAND AVE NO. 4500	Address: 6330 SAN VICENTE BLVD, SUITE 200
City: LOS ANGELES State: CA Zip: 90071 Phone:	City: LOS ANGELES State: CA Zip: 90071 Phone: 323-937-4270
REQUEST (SUBMIT PLANS OR ADDITIONAL SHEETS AS NECESSARY)	CODE SECTIONS: 11B-502.5 & 11B-604.8.1.2

(1)To allow the vertical clearance in the existing subterranean parking facility to be 80 inches in lieu of requiring 98 inches at van accessible parking stalls and the aisles leading to them.
(2)To allow the water closets in the men's and women's accessible stalls of the existing water closets to be on the same side of the compartment in lieu of requiring that the door opening be the farthest from the water closet.

JUSTIFICATION (SUBMIT PLANS OR ADDITIONAL SHEETS AS NECESSARY)
See attached.

Debra Gerod (Owner/Petitioner Name (Print)) (Signature) Partner, Gruen Associates (Position)

FOR CITY DEPARTMENT'S USE ONLY BELOW THIS LINE

Concurrences required from the following Department(s)			Approved	Denied
☐ Los Angeles Fire Department	Print Name	Sign	☐	☐
☐ Public Works Bureau of Engineering	Print Name	Sign	☐	☐
☐ Department of City Planning	Print Name	Sign	☐	☐
☐ Department of County Health	Print Name	Sign	☐	☐
☐ Other	Print Name	Sign	☐	☐

DEPARTMENT ACTION
Reviewed by: (Staff) (Print): Shine Lin — Sign: Shine Lin — Date: 8/23/2021
☒ GRANTED ☐ DENIED
Action taken by: (Supervisor) (Print): Shine Lin — Sign: Shine Lin — Date: 8/23/2021

NOTE: IN CASE OF DENIAL, SEE PAGE #2 OF THIS FORM FOR APPEAL PROCEDURES

CONDITIONS OF APPROVAL (Continued on Page 2):
1. Determinations rendered by the Disable Access Unit shall not be construed to waive or
Modify any requirements contained in the Americans with Disabilities Act (ADA). It is the
petitioner's responsibility to make sure the federal accessibility requirements are complied with.

For Cashiers Use Only
(PROCESS ONLY WHEN FEES ARE VERIFIED)

FEES (DEPARTMENT USE ONLY)

Appeal Processing Fee (No. of Items) =	1	X $130 + $38/addl	= 130
Inspection Fee .....(No of Insp.) =		X $ 84.00	=
Research Fee ... (Total Hours Worked) =		X $104.00	= 104
Subtotal			= 234
Development Services Center Surcharge		X 3%	= 7.02
Systems Development Surcharge		X 6%	= 14.04
Total Fees			= 255.06

Fees verified by:
Print and Sign: Shine Lin Shine Lin

PC-DAD.Mod2 (Rev.05-22-2017) Page 1 of 2 www.ladbs.org

Permit App #:	Job Address:

CONDITIONS OF APPROVAL (Continued from Page 1)

CITY OF LOS ANGELES
BOARD OF BUILDING AND SAFETY/DISABLED ACCESS COMMISSION APPEAL FORM
(Must be Attached to the Modification Request Form, Page 1)

AFFIDAVIT – LADBS BOARD OF BUILDING AND SAFETY COMMISSIONERS – RESOLUTION NO. 832-93

I, _____ (Print or Type Name of the Person Signing this Form) do state and swear as follows:
1. The name and mailing address of the owner of the property (as defined in the resolution 832-93) at _____ as shown on the appeal application (LADBS Com 31) are correct, and
2. The owner of the property as shown on the appeal application will be made aware of the appeal and will receive a copy of the appeal.

I declare under PENALTY OF PERJURY that the forgoing is true and correct.

Owner's Name(s) _____ (Please Type or Print) _____ (Please Type or Print)
Owner's Signature(s) _____ (Please Sign) (Two Officers' Signatures Required for Corporations)
Name of Corporation _____ (Please Print Name of Corporation) _____ (Please Type or Print)
Dated this _____ day of _____ 20____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT——SIGNATURE(S) MUST BE NOTARIZED

State of CALIFORNIA County of _____ on _____
before me, _____ (Name, Title of Officer (e.g., Jane Doe, Notary Public)) personally appeared _____ (Name(s) of Signer(s))
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument in person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. **I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.**

WITNESS my hand and official seal. Signature

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

APPEAL OF DEPARTMENT ACTION TO THE BOARD OF BUILDING AND SAFETY COMMISSIONERS/DISABLED ACCESS APPEALS COMMISSION

Applicant's Name _____ Applicant's Title _____
Signature _____ Date _____

FEES (DEPARTMENT USE ONLY)

Board Fee .....(No. of Items)	1 X	$354.00	=
Inspection Fee..... (No of Insp.) =	X	$84.00	=
Research Fee.... (Total Hours Worked) =	X	$104.00	=
Subtotal			=
Development Services Center Surcharge	X	3%	=
Systems Development Surcharge	X	6%	=
Total Fees			=

Fees verified by:
Print and Sign _____

For Cashiers Use Only
(PROCESS ONLY WHEN FEES ARE VERIFIED)

PC-DAD.Mod2 (Rev.05-22-2017) Page 2 of 2 www.ladbs.org

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agence ter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:
1 -

BUILDING NO.
INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 12/16/2021

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN PIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ADA REQUEST FOR MODIFICATION

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. G020
SHEET OF SHEETS

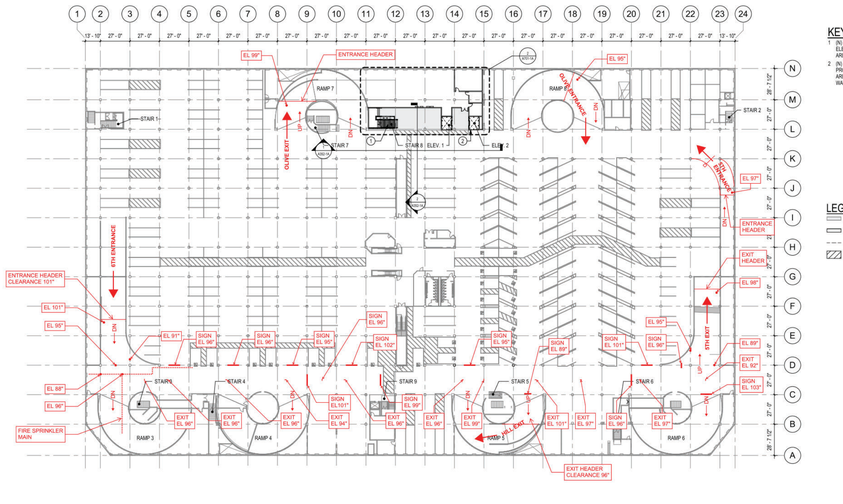
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:07:10 AM

PLOTTED: 11/3/2021 9:07:10 AM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



1 PARKING LEVEL 1
SCALE: 1" = 30'-0"

KEYNOTES

1 (N) STAIRS - GRADE TO PARKING LEVEL 3. LIGHTING SAME AS ELEVATOR, PART OF ONE VERTICAL TRANSPORTATION AREA.
2 (N) ELEVATORS - GRADE TO PARKING LEVEL 3. AREA TO BE PROVIDED WITH LED FIXTURES TO PROVIDE A BRIGHTLY LIT AREA FOR SAFETY AND VERT TRANSPORTATION WAYFINDING.

LEGEND

- EXISTING WALL
- NEW WALL
- BENCH REVEAL
- NEW FLOOR INFILL

GRUEN ASSOCIATES
ADA HIEIGHT VERIFICATION
7/13/21

GRUENASSOCIATES ARCHITECTURE | URBAN DESIGN | INTERIORS
agence ter PATSAVESTES URBANISTES

PLAN CHECK SET # APRIL 12, 2021

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO.	REVISIONS:	DATE:	BY:
1			

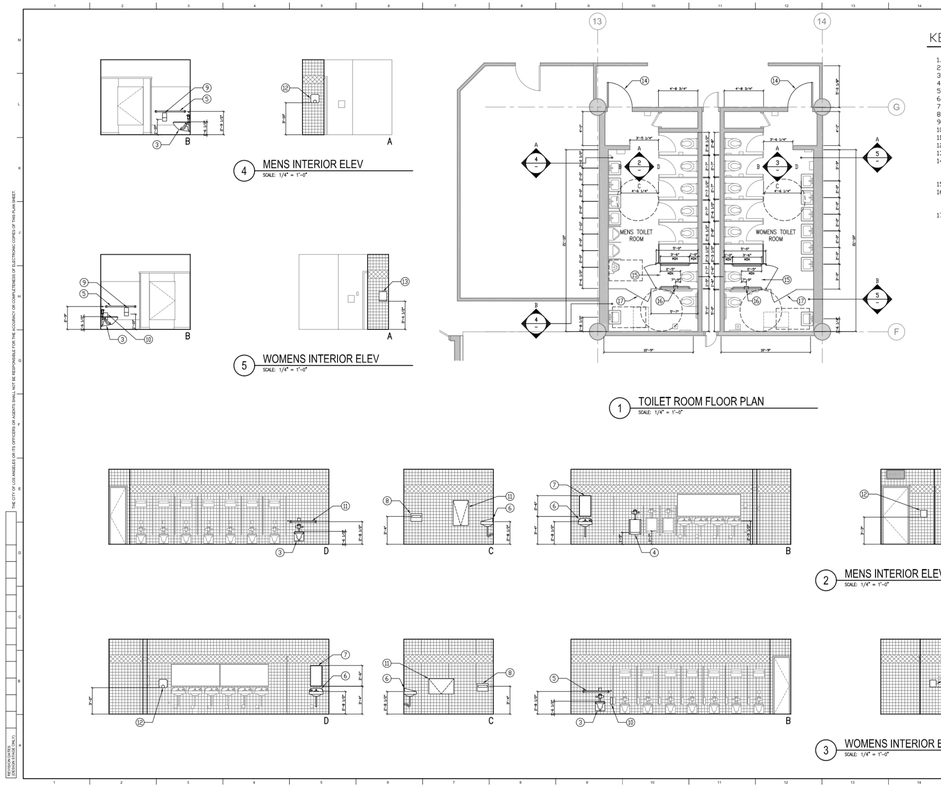
BUILDING NO.
MF-3000492
INDEX NO.

GARY LEE MOORE, PE, ENV SP - CITY ENGINEER — DATE
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD — LIC. NO. C23665 — 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: Steven Ferce — 11/08/201

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: LEVEL P1 TOILET ROOMS
PROJECT: PERSHING SQUARE PLAZA RENOVATIONS
ADDRESS: 530 S OLIVE ST LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A121-1A
SHEET OF SHEETS
PLOTTED: 11/3/2021 9:07:13 AM

ATTACHMENT A: PARKING GARAGE VERTICAL CLEARANCE MEASUREMENTS



4 MENS INTERIOR ELEV
SCALE: 1/4" = 1'-0"

5 WOMENS INTERIOR ELEV
SCALE: 1/4" = 1'-0"

1 TOILET ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"

2 MENS INTERIOR ELEV
SCALE: 1/4" = 1'-0"

3 WOMENS INTERIOR ELEV
SCALE: 1/4" = 1'-0"

KEYNOTES

1. 60" DIA TURNING RADIUS
2. 30"x48" CLEAR FLOOR SPACE
3. (E) ADA TOILET
4. (E) ADA URINAL
5. (E) GRAB BARS
6. (E) ADA SINK
7. (E) MIRROR
8. (E) SEAT COVER DISPENSER
9. (E) TOILET PAPER DISPENSER
10. (E) FEMININE NAPKIN RECEPTACLE
11. (E) BABY CHANGE TABLE
12. (E) AIR HAND DRYER
13. (E) PAPER TOWEL DISPENSER
14. REVERSE (E) DOOR SWING TO OPEN AWAY FROM THE TOILET ROOM
15. NEW AMBULATORY STALL
16. RELOCATE TOILET PAPER DISPENSER, PROVIDE 1 1/2" MIN CLEARANCE BELOW GRAB BAR
17. REVERSE DOOR SWING IN ADA STALL, INSTALL NEW HARDWARE AND SELF CLOSING HINGE

GRUENASSOCIATES ARCHITECTURE | URBAN DESIGN | INTERIORS
agence ter PATSAVESTES URBANISTES

PLAN CHECK SET # APRIL 12, 2021

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

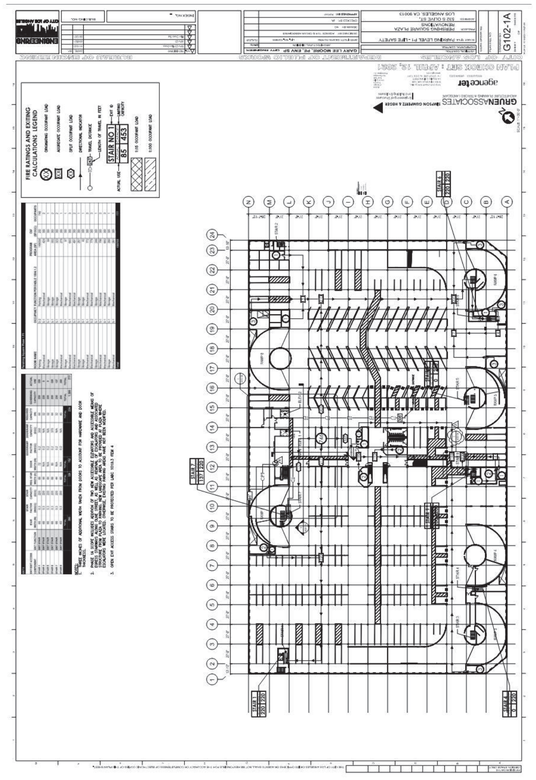
GARY LEE MOORE, PE, ENV SP - CITY ENGINEER — DATE
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD — LIC. NO. C23665 — 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: Steven Ferce, A.I.A. PRINCIPAL ARCHITECT — 11/08/201

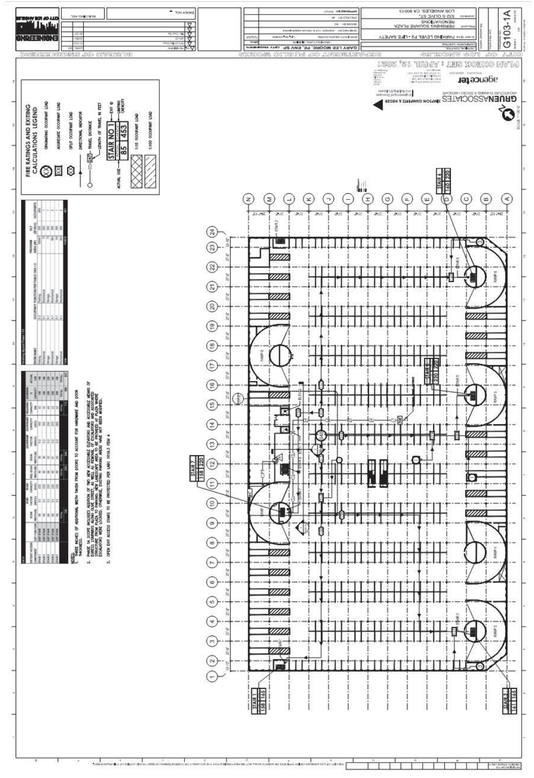
CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ADA REQUEST FOR MODIFICATION
PROJECT: PERSHING SQUARE RENOVATION
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

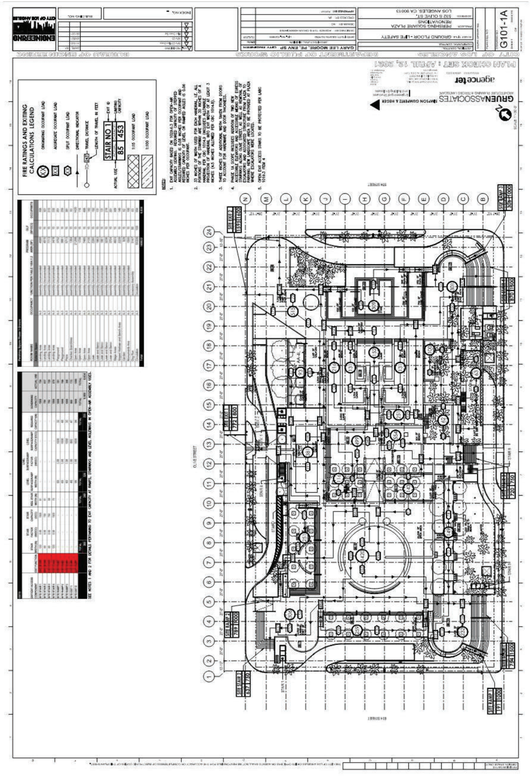
WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. G021
SHEET OF SHEETS
PLOTTED: 11/3/2021 9:07:13 AM

ATTACHMENT B: PROPOSED RESTROOM CONFIGURATION

REVISION DATE: 11/3/2021 9:07:13 AM
REVISION DATES (DESIGN STAGE ONLY)







GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

MICHAEL A. ENOMOTO, FAIA
LARRY SCHLOSSBERG, AIA, AICP, LEED AP BD+C
DEBRA GEROD, FAIA, LEED AP
ASHOK VANMALI, AIA

REQUEST FOR MODIFICATION OF DRAFT CURTAIN HEIGHT

Justification for RFM:

1. The stair in question is CIRCULATION only, not required exit access.
2. Openings are already EXISTING and allowed at ramps per LABC, refer to code reference below:

> **712.1.10 Parking garages.** Vertical openings in parking garages for automobile ramps, elevators and duct systems shall comply with Section 712.1.10.1, 712.1.10.2 or 712.1.10.3, as applicable.
>
> **712.1.10.1 Automobile ramps.** Vertical openings for automobile ramps in parking garages shall be permitted where constructed in accordance with Sections 406.5 and 406.6.
>
> **712.1.10.2 Elevators.** Vertical openings for elevator hoistways in parking garages that serve only the parking garage, and complying with Sections 406.5 and 406.6, respectively, shall be permitted.
>
> **712.1.10.3 Duct systems.** Vertical openings for mechanical exhaust or supply duct systems in parking garages complying with Sections 406.5 and 406.6, respectively, shall be permitted to be unenclosed where such duct system is contained within and serves only the parking garage.

3. We can provide at least 12 inches, which will still allow us to collect heat to activate sprinklers.

RFM #2 – 20016-10000-31937
PERSHING SQUARE

1 OCTOBER 2021
CIRCULATING STAIR

REQUEST FOR MODIFICATION OF BUILDING ORDINANCES
UNDER AUTHORITY OF L.A.M.C. SECTION 68.0403

LA DBS DEPARTMENT OF BUILDING AND SAFETY

PERMIT APP. #: 20016-10000-31937	DATE: 10/01/21	For City Dept. Use Only: (Building) Zoning, Grading, Shoring, Mech., Elec., Plumb., Green, D.A., Misc.
JOB ADDRESS: 530 S Olive Street		
Tract: 2077.10	Block: 15 Lot: Unnumbered Lot (PT. LOT 4)	
Owner: LA City Park	Petitioner: John Anderson / Gruen Associates	
Address: 355 Grand Ave No. 4500	Address: 5330 Ban Vicente Blvd, Suite 200	
City: Los Angeles, State: CA, Zip: 90071, Phone	City: Los Angeles, State: CA, Zip: 90048, Phone: 323-937-4270	

REQUEST (SUBMIT PLANS OR ADDITIONAL SHEETS AS NECESSARY) — CODE SECTIONS:
To allow draft curtains being provided in accordance with LABC 1019.3 Item 4 at the circulation stairs in the parking garage to be 12 inches deep in lieu of providing 18 inch deep draft curtains. The 12 inch draft curtain is only on parking levels 2 and 3 where the (E) floor to ceiling height is 8'-0". This stair is a circulating stair and is not part of the required exit path.

JUSTIFICATION (SUBMIT PLANS OR ADDITIONAL SHEETS AS NECESSARY)
1. The stair in question is CIRCULATION only, not required exit access.
2. Openings are already EXISTING and allowed at ramps per LABC 712.1.10, see attached code ref.
3. We can provide at least 12 inches, which will still allow us to collect heat to activate sprinklers.

John Anderson — Owner/Petitioner Name (Print) — (Signature) — Project Manager — Position

FOR CITY DEPARTMENT'S USE ONLY BELOW THIS LINE

Concurrences required from the following Department(s)	Print Name	Sign	Approved	Denied
☒ Los Angeles Fire Department	Andrew Ko	Andrew Ko	☒	☐
☐ Public Works Bureau of Engineering	Print Name	Sign	☐	☐
☐ Department of City Planning	Print Name	Sign	☐	☐
☐ Department of County Health	Print Name	Sign	☐	☐
☒ Other MECHANICAL	Print Name MIKE SHAHBAZIAN	Sign	☒	☐

DEPARTMENT ACTION — Reviewed by: (Staff) (Print) Keisha Hargrett — Sign — Date 10/5/2021
☒ GRANTED ☐ DENIED — Action Taken By: (Supervisor) (Print) Frank Sosa — Sign — Date 10.19.21

NOTE: IN CASE OF DENIAL, SEE PAGE #2 OF THIS FORM FOR APPEAL PROCEDURES

CONDITIONS OF APPROVAL (Continued on Page 2):

For Cashiers Use Only (PROCESS ONLY WHEN FEES ARE VERIFIED)
Modification # 3255
Paid on 10/06/2021

(DEPARTMENT USE ONLY)
FEES

Appeal Processing Fee ..(No. of Items) =	1X $130 + $39/addl	=	130
Inspection Fee .....(No of Insp.) =	X $ 84.00	=	
Research Fee ... (Total Hours Worked) =	X $104.00	=	104
Subtotal		=	234
Development Services Center Surcharge	X 3%	=	7.02
Systems Development Surcharge.....	X 6%	=	14.04
Total Fees		=	255.06

Fees verified by:
Print and Sign Keisha Hargrett

PC-Build.Mod 00 (Rev.04/15/2021) — Page 1 of 2 — www.ladbs.org

Permit App #: | **Job Address:**

CONDITIONS OF APPROVAL (Continued from Page 1)

CITY OF LOS ANGELES
BOARD OF BUILDING AND SAFETY/DISABLED ACCESS COMMISSION APPEAL FORM
(Must be Attached to the Modification Request Form, Page 1)

AFFIDAVIT – LADBS BOARD OF BUILDING AND SAFETY COMMISSIONERS – RESOLUTION NO. 832-93

I, _____ (Print or Type Name of the Person Signing this Form) do state and swear as follows:

1. The name and mailing address of the owner of the property (as defined in the resolution 832-93) at _____ as shown on the appeal application (LADBS Com 31) are correct, and
2. The owner of the property as shown on the appeal application will be made aware of the appeal and will receive a copy of the appeal.

I declare under PENALTY OF PERJURY that the forgoing is true and correct.

Owner's Name(s) _____ (Please Type or Print) _____ (Please Type or Print)

Owner's Signature(s) _____ (Please Sign) (Two Officers' Signatures Required for Corporations)

Name of Corporation _____ (Please Print Name of Corporation) _____ (Please Type or Print)

Dated this _____ day of _____, 20____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT——SIGNATURE(S) MUST BE NOTARIZED

State of CALIFORNIA County of _____ on _____

before me, _____ (Name, Title of Officer (e.g. Jane Doe, Notary Public)), personally appeared _____ (Name(s) of Signer(s)),

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument in person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. **I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.**

WITNESS my hand and official seal. Signature

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

APPEAL OF DEPARTMENT ACTION TO THE BOARD OF BUILDING AND SAFETY COMMISSIONERS/DISABLED ACCESS APPEALS COMMISSION

Applicant's Name — Applicant's Title
Signature — Date

FEES (DEPARTMENT USE ONLY)

Board Fee .....(No. of Items)	1 X	$130.00	=	0.00
Inspection Fee.....(No of Insp.) =	X	$84.00	=	0.00
Research Fee.... (Total Hours Worked) =	X	$104.00	=	0.00
Subtotal			=	0.00
Development Services Center Surcharge	X	3%	=	0.00
Systems Development Surcharge	X	6%	=	0.00
Total Fees			=	0.00

Fees verified by:
Print and Sign

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PC-Build.Mod 00 (Rev.04/15/2021) — Page 2 of 2 — www.ladbs.org

BUREAU OF ENGINEERING — OFFICIAL RECORD

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ARCHITECTURE PLANNING INTERIORS LANDSCAPE
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT — DEBRA A. GEROD — REN. 08-31-23 — STATE OF CALIFORNIA

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — DATE: 12/16/2021

ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD — LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DRAFT CURTAIN REQUEST FOR MODIFICATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G022-1A

SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:07:15 AM

PLOTTED: 11/3/2021 9:07:15 AM

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-21
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DRAFT CURTAIN REQUEST FOR MODIFICATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G023-1A

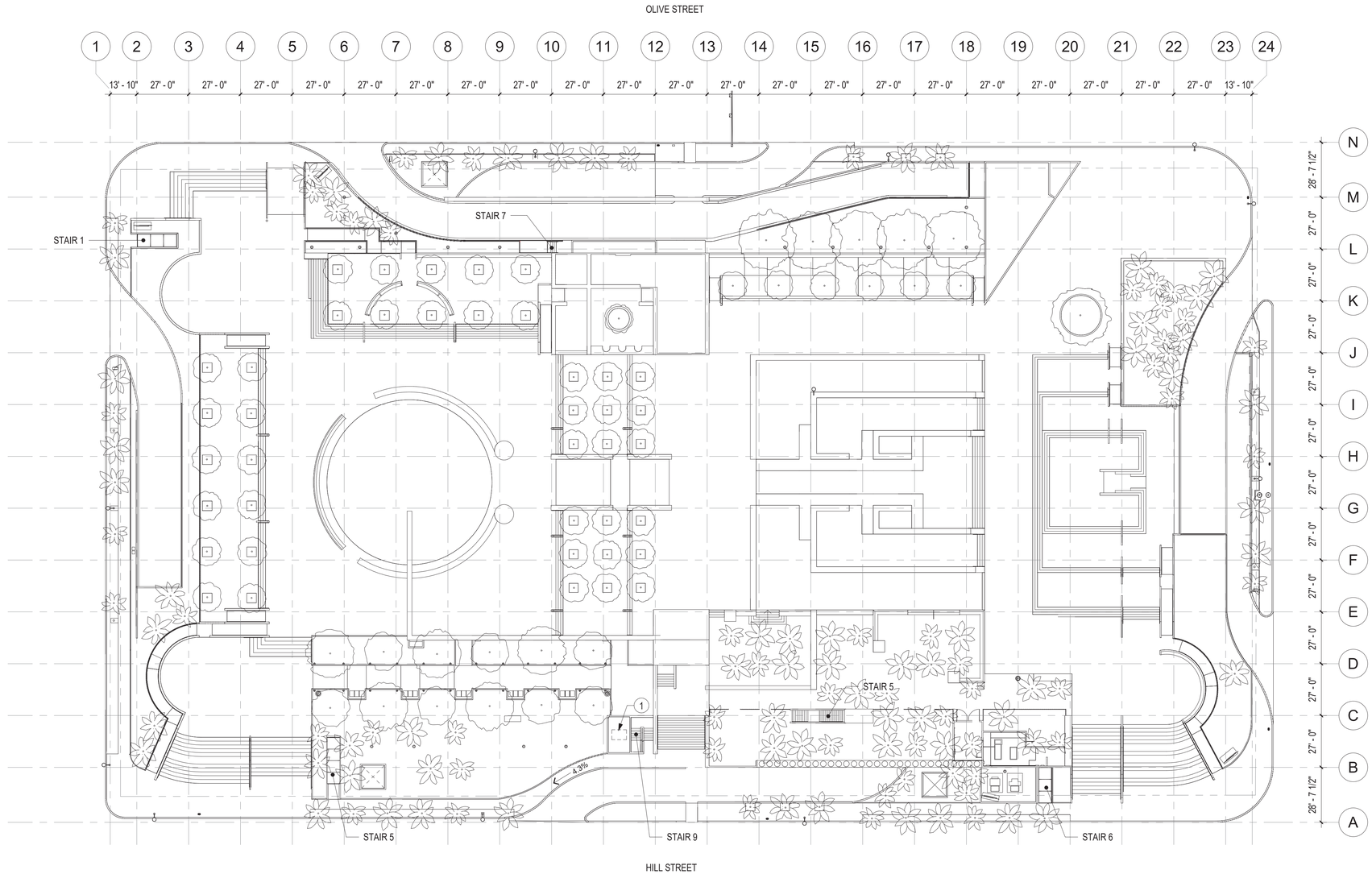
SHEET OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:07:17 AM

PLOTTED: 11/3/2021 9:07:17 AM



KEYNOTES

1 (E) ELEVATOR BETWEEN PLAZA LEVEL AND STREET SIDEWALK. ELEV SIZE: 4.25' X 6.67' = 28.35 SF. REQUIRED: 18 SF MIN.

1 EXISTING - GROUND LEVEL

SCALE: 1" = 30'-0"

BUREAU OF ENGINEERING OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agenceter
PAYSAGISTES URBANISTES

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE: 11/3/2021 9:07:23 AM

REVISION DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - EXISTING PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

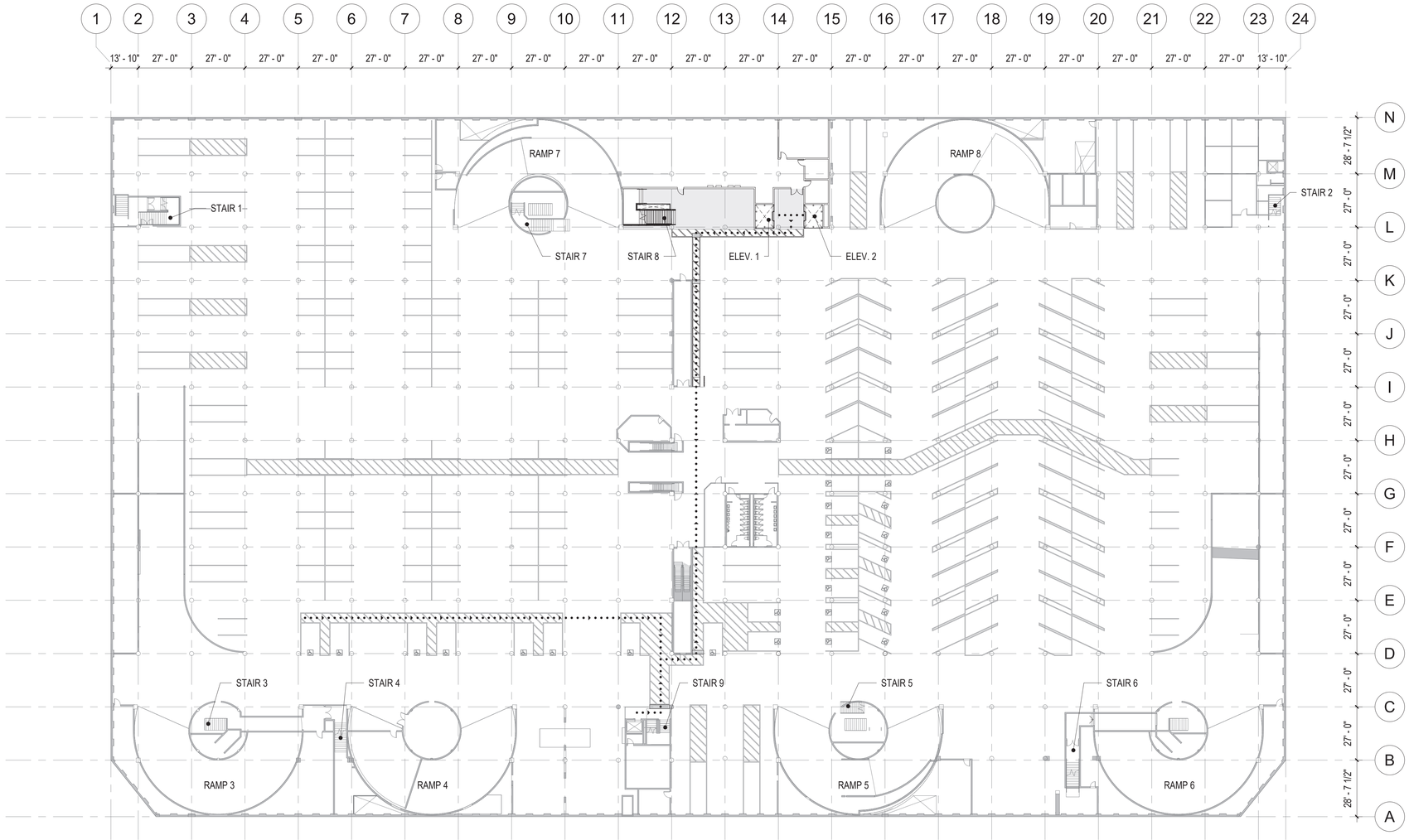
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G111-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:07:23 AM



1 PARKING LEVEL 1

SCALE: 1" = 30'-0"

LEGEND

- EXISTING WALL
- NEW WALL
- ACCESSIBLE PATH OF TRAVEL

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence**ter**
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1			

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 1 - ACCESSIBILITY PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G221-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:08:11 AM

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:08:11 AM

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EXITS											
EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN)	LEVEL SURFACE/RAMP WIDTH (IN)	LEVEL SURFACE/RAMP FACTOR (IN/OCC)	LEVEL SURFACE/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
SITE STAIR 1	EXIT STAIR	120	0.08	1500	61	-	-	-	-	1500	754
SITE STAIR 2	EXIT STAIR	60	0.08	750	51	-	-	-	-	750	637
SITE STAIR 3	EXIT STAIR	60	0.08	750	58	-	-	-	-	750	720
SITE STAIR 4	EXIT STAIR	120	0.08	1500	70	-	-	-	-	1500	870
SITE RAMP 1	EXIT RAMP	-	-	-	-	60	0.06	1000	32	1000	191
SITE RAMP 2	EXIT RAMP	-	-	-	-	60	0.06	1000	48	1000	789
SITE RAMP 3	EXIT RAMP	-	-	-	-	60	0.06	1000	32	1000	306
SITE EXIT 1	EXIT RAMP	-	-	-	-	48	0.06	800	47	800	772
SITE EXIT 2	EXIT RAMP	-	-	-	-	96	0.06	1600	96	1600	1595
		TOTAL 360			TOTAL 240	TOTAL 324			TOTAL 255	TOTAL 9,900	TOTAL 6,634

SEE NOTES 1 AND 2 FOR DETAILS PERTAINING TO EXIT CAPACITY AT RAMPS, STAIRWAYS AND LEVEL AISLEWAYS IN OPEN-AIR ASSEMBLY USES.

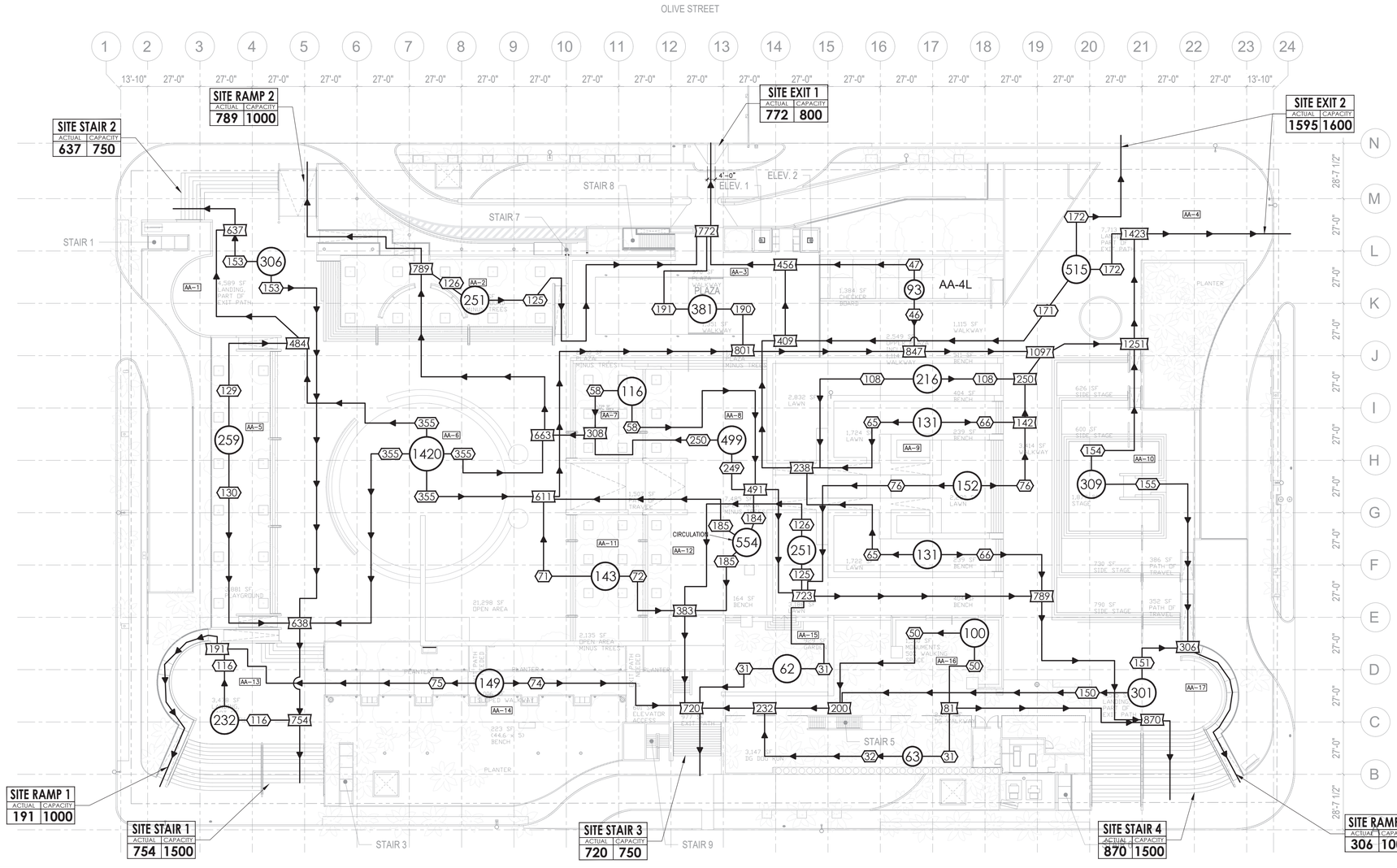
Pershing Square Phase 1 Ground					
ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	PROGRAM AREA (SF)	OLF (SF/OCC)	OCCUPANTS
Exterior Space					
Landing Area	A-3	Assembly-Unconcentrated	4589	15	306
Landing Area	A-3	Assembly-Unconcentrated	4515	15	301
Landing Area	A-3	Assembly-Unconcentrated	7713	15	515
Landing Area	A-3	Assembly-Unconcentrated	3478	15	232
Playground	A-3	Assembly-Unconcentrated	3752	15	251
Playground	A-3	Assembly-Unconcentrated	3881	15	259
Plaza	A-3	Assembly-Unconcentrated	5713	15	381
Checker Board Area	A-3	Assembly-Unconcentrated	1384	15	93
Open Area	A-3	Assembly-Unconcentrated	21298	15	1420
Open Area	A-3	Assembly-Unconcentrated	1739	15	116
Open Area	A-3	Assembly-Unconcentrated	7485	15	499
Open Area	A-3	Assembly-Unconcentrated	2135	15	143
Lawn	A-3	Assembly-Unconcentrated	2280	15	152
Lawn and Bench	A-3	Assembly-Unconcentrated	1963	15	131
Lawn and Bench	A-3	Assembly-Unconcentrated	1961	15	131
Lawn and Bench	A-3	Assembly-Unconcentrated	3236	15	216
Lawn and Bench	A-3	Assembly-Unconcentrated	3754	15	251
Stage Areas	A-3	Assembly-Unconcentrated	4623	15	309
Sloped Walkway and Bench Area	A-3	Assembly-Unconcentrated	2229	15	149
Garden	A-3	Assembly-Unconcentrated	929	15	62
Monuments Area	A-3	Assembly-Unconcentrated	1500	15	100
Dog Run	A-3	Accessory-Assembly	3147	50	63
Circulation	A-3	Circulation	55329	100	554
Total			*148633*		6,634

FIRE RATINGS AND EXITING CALCULATIONS LEGEND

- (XX) ORIGINATING OCCUPANT LOAD
- [XX] AGGREGATE OCCUPANT LOAD
- (XX) SPLIT OCCUPANT LOAD
- DIRECTIONAL INDICATOR
- TD-243 TRAVEL DISTANCE — LENGTH OF TRAVEL IN FEET
- STAIR NO 1 — EXIT ID; ACTUAL USE 85; CAPACITY 453 — LIMITING CAPACITY
- 1:15 OCCUPANT LOAD
- 1:100 OCCUPANT LOAD

NOTES:

1. EXIT CAPACITY BASED ON 1029.6.3 FOR OPEN-AIR ASSEMBLY SEATING. REQUIRED CAPACITY OF STEPPED AISLES/STAIRWAYS IS 0.08 INCHES PER OCCUPANT AND REQUIRED CAPACITY OF LEVEL OR RAMPED AISLES IS 0.06 INCHES PER OCCUPANT.
2. 33 INCHES OF WIDTH USED FOR EACH HANDRAIL, I.E. ALL PORTIONS OF THE STAIRWAY ARE WITHIN 30 INCHES OF A HANDRAIL PER CBC 1014.9 (INCLUDES ALLOWABLE PROJECTION OF HANDRAIL INTO EXIT WIDTH OF AT LEAST 3 INCHES (4.5 INCHES ALLOWED PER CBC 1014.8).
3. THREE INCHES OF ADDITIONAL WIDTH TAKEN FROM DOORS TO ACCOUNT FOR HARDWARE AND DOOR THICKNESS.
4. PHASE 1A SCOPE INCLUDES ADDITION OF TWO NEW ACCESSIBLE ELEVATORS AND ACCESSIBLE MEANS OF EGRESS STAIRWAYS ALONG OLIVE STREET, AS WELL AS REMOVAL OF ESCALATORS AND ASSOCIATED STRUCTURE FROM PLAZA TO PARKING. NEW LANDSCAPE AREA TO BE PROVIDED AT PLAZA WHERE ESCALATORS WERE LOCATED.
5. OPEN EXIT ACCESS STAIRS TO BE PROTECTED PER LABC 1019.3 ITEM 4



BUREAU OF ENGINEERING

OFFICIAL RECORD

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Los Angeles, CA 90015
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GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-21
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

SHEET TITLE: GROUND FLOOR - LIFE SAFETY

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G101-1A

SHEET OF SHEETS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 3/9/2021 4:06:38 PM

PLOTTED: 10/19/2020 11:06:25 AM

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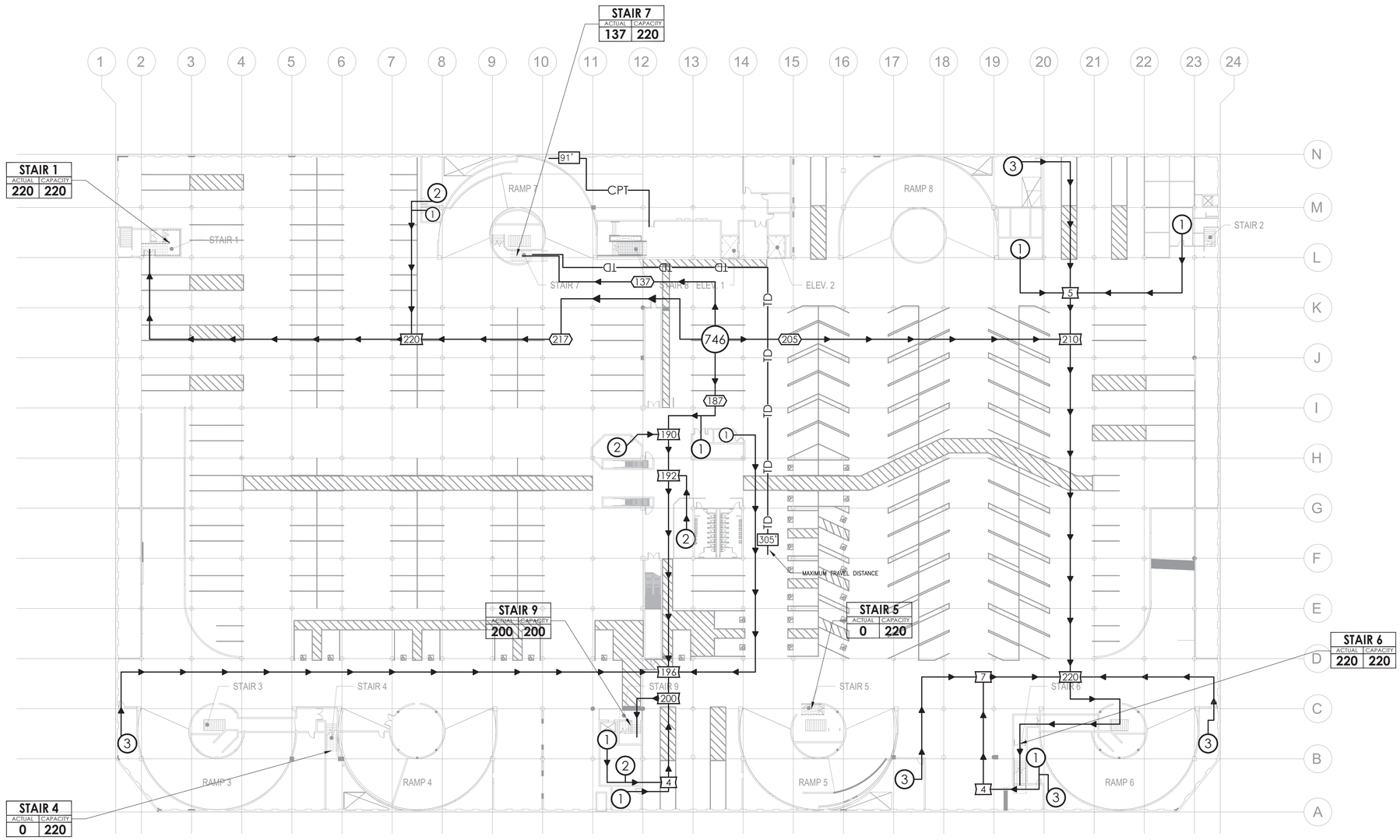
EXITS											
EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN)	DOOR WIDTH (IN)	DOOR/RAMP FACTOR (IN/OCC)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
STAIR 1	EXIT STAIR	66	0.3	220	66	72	0.2	330	44	220	220
STAIR 4	EXIT STAIR	66	0.3	220	44	N/A	0.2	N/A	32	220	0
STAIR 5	EXIT STAIR	66	0.3	220	44	N/A	0.2	N/A	32	220	0
STAIR 6	EXIT STAIR	66	0.3	220	66	80	0.2	370	44	220	220
STAIR 7	EXIT STAIR	66	0.3	220	44	N/A	0.2	N/A	32	220	137
STAIR 9	EXIT STAIR	60	0.3	200	60	N/A	0.2	N/A	40	200	200
		TOTAL			TOTAL	TOTAL			TOTAL	TOTAL	TOTAL
		390			324	152			224	1,300	777

NOTES:
1. THREE INCHES OF ADDITIONAL WIDTH TAKEN FROM DOORS TO ACCOUNT FOR HARDWARE AND DOOR THICKNESS.
2. PHASE 1A SCOPE INCLUDES ADDITION OF TWO NEW ACCESSIBLE ELEVATORS AND ACCESSIBLE MEANS OF EGRESS STAIRWAYS ALONG OLIVE STREET, AS WELL AS REMOVAL OF ESCALATORS AND ASSOCIATED STRUCTURE FROM PLAZA TO PARKING. NEW LANDSCAPE AREA TO BE PROVIDED AT PLAZA WHERE ESCALATORS WERE LOCATED. OTHERWISE, EXISTING PARKING AREAS HAVE NOT BEEN MODIFIED.
3. OPEN EXIT ACCESS STAIRS TO BE PROTECTED PER LABC 1019.3 ITEM 4

Pershing Square Phase 1 P1					
ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	PROGRAM AREA (SF)	OLF (SF/OCC)	OCCUPANTS
Parking	S-2	Parking	149056	200	746
Mechanical	S-1	Mechanical	424	300	2
Storage	S-1	Storage	84	300	1
Storage	S-1	Storage	302	300	2
Storage	S-1	Storage	323	300	2
Mechanical	S-1	Mechanical	279	300	1
Storage	S-1	Storage	97	300	1
Mechanical	S-1	Mechanical	643	300	3
Mechanical	S-1	Mechanical	491	300	2
Storage	S-1	Storage	287	300	1
Storage	S-1	Storage	42	300	1
Mechanical	S-1	Mechanical	772	300	3
Mechanical	S-2	Mechanical	779	300	3
Storage	S-1	Storage	246	300	1
Mechanical	S-1	Mechanical	786	300	3
Mechanical	S-1	Mechanical	643	300	3
Storage	S-1	Storage	260	300	1
Mechanical	S-1	Mechanical	261	300	1
Total			155755		777

FIRE RATINGS AND EXITING CALCULATIONS LEGEND

- (XX) ORIGINATING OCCUPANT LOAD
- XX AGGREGATE OCCUPANT LOAD
- XX SPLIT OCCUPANT LOAD
- DIRECTIONAL INDICATOR
- TD-243' TRAVEL DISTANCE
- LENGTH OF TRAVEL IN FEET
- STAIR NO 1 (EXIT ID); ACTUAL USE: ACTUAL 85 / CAPACITY 453 (LIMITING CAPACITY)
- 1:15 OCCUPANT LOAD
- 1:100 OCCUPANT LOAD



SCALE: 1"=30'-0"

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BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. - MF-300492

NO.	REVISIONS:	DATE:	BY:

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-21 STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

SHEET TITLE: PARKING LEVEL P1 - LIFE SAFETY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. G102-1A
SHEET OF SHEETS

PLOTTED: 10/19/2020 11:06:25 AM

REVISION DATE: 3/9/2021 4:06:38 PM

REVISION DATES: (DESIGN STAGE ONLY)

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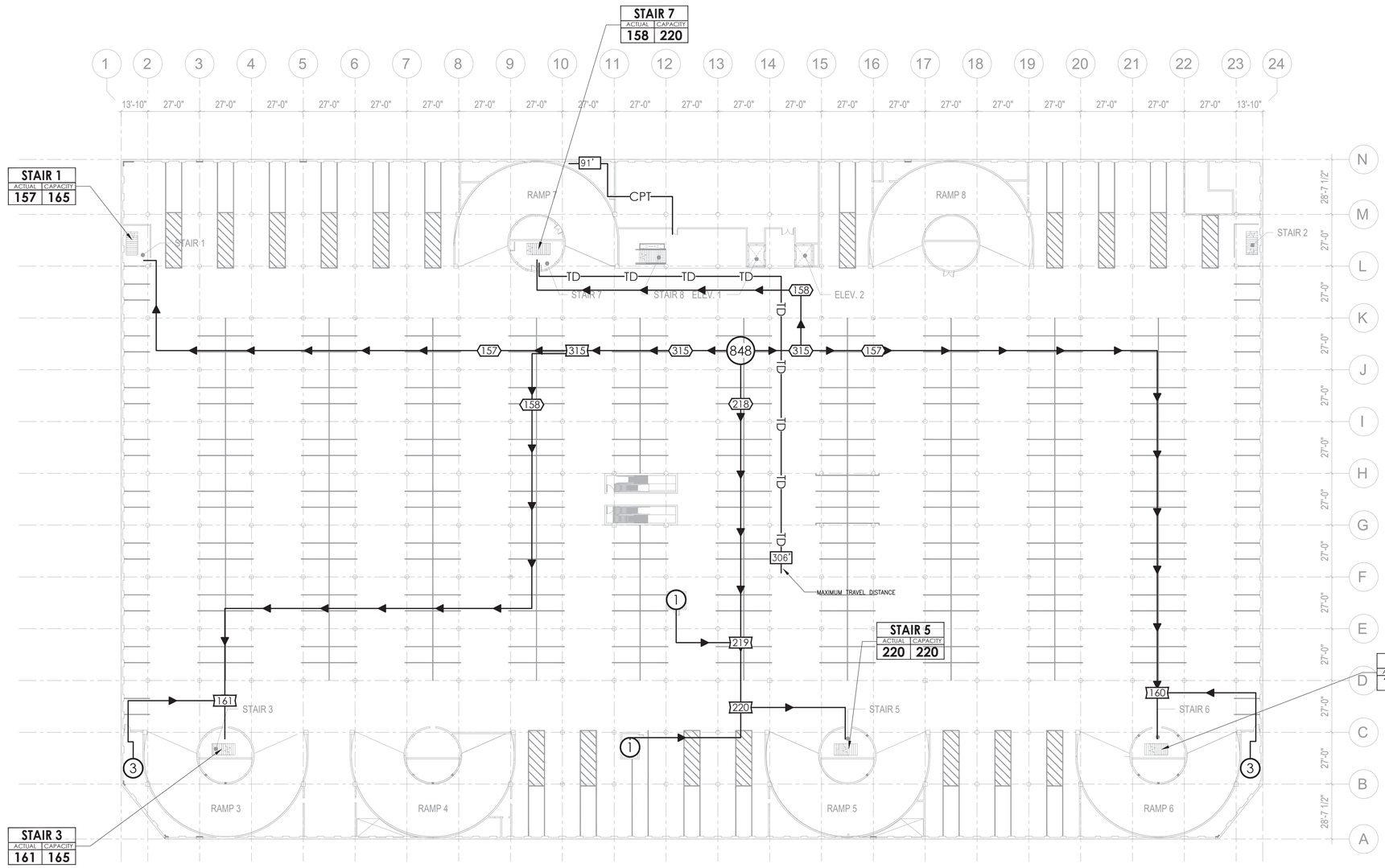
EXITS												
EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN)	DOOR WIDTH (IN)	DOOR/RAMP FACTOR (IN/OCC)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
STAIR 1	EXIT STAIR	66	0.3	220	48	36	0.2	165	32	165	157
STAIR 3	EXIT STAIR	66	0.3	220	48	36	0.2	165	32	165	160
STAIR 5	EXIT STAIR	66	0.3	220	66	52	0.2	230	44	220	220
STAIR 6	EXIT STAIR	66	0.3	220	49	61	0.2	275	33	220	161
STAIR 7	EXIT STAIR	66	0.3	220	48	63	0.2	285	32	220	158
		TOTAL			TOTAL	TOTAL			TOTAL	TOTAL	TOTAL
		330			259	248			173	990	856

NOTES:
1. THREE INCHES OF ADDITIONAL WIDTH TAKEN FROM DOORS TO ACCOUNT FOR HARDWARE AND DOOR THICKNESS.
2. PHASE 1A SCOPE INCLUDES ADDITION OF TWO NEW ACCESSIBLE ELEVATORS AND ACCESSIBLE MEANS OF EGRESS STAIRWAYS ALONG OLIVE STREET, AS WELL AS REMOVAL OF ESCALATORS AND ASSOCIATED STRUCTURE FROM PLAZA TO PARKING. NEW LANDSCAPE AREA TO BE PROVIDED AT PLAZA WHERE ESCALATORS WERE LOCATED. OTHERWISE, EXISTING PARKING AREAS HAVE NOT BEEN MODIFIED.
3. OPEN EXIT ACCESS STAIRS TO BE PROTECTED PER LABC 1019.3 ITEM 4

Pershing Square Phase 1 P2					
ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	PROGRAM AREA (SF)	OLF (SF/OCC)	OCCUPANTS
Parking	S-2	Parking	169447	200	848
Mechanical	S-1	Mechanical	70	300	1
Mechanical	S-1	Mechanical	643	300	3
Storage	S-1	Storage	105	300	1
Mechanical	S-1	Mechanical	643	300	3
Total			170908		856

FIRE RATINGS AND EXITING CALCULATIONS LEGEND

- (XX) ORIGINATING OCCUPANT LOAD
- XX AGGREGATE OCCUPANT LOAD
- XX SPLIT OCCUPANT LOAD
- DIRECTIONAL INDICATOR
- TD 243' TRAVEL DISTANCE; LENGTH OF TRAVEL IN FEET
- STAIR NO 1 (EXIT ID); ACTUAL USE 85 | CAPACITY 453 (LIMITING CAPACITY)
- 1:15 OCCUPANT LOAD
- 1:100 OCCUPANT LOAD



SCALE: 1"=30'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. -

MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

SHEET TITLE: PARKING LEVEL P2 - LIFE SAFETY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. G103-1A
SHEET OF SHEETS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

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REVISION DATES: (DESIGN STAGE ONLY)

REVISION DATE: 3/9/2021 4:06:38 PM

EXITS											
EXIT/EXIT ACCESS COMPONENT	EXIT FUNCTION	STAIR WIDTH (IN)	STAIR FACTOR (IN/OCC)	STAIR CAPACITY (OCC)	REQ. STAIR WIDTH (IN)	DOOR WIDTH (IN)	DOOR/RAMP FACTOR (IN/OCC)	DOOR/RAMP CAPACITY (OCC)	REQUIRED CAPACITY (IN)	GOVERNING CAPACITY	ACTUAL USE
STAIR 1	EXIT STAIR	66	0.3	220	48	36	0.2	165	32	165	158
STAIR 3	EXIT STAIR	66	0.3	220	48	36	0.2	165	32	165	160
STAIR 5	EXIT STAIR	66	0.3	220	66	52	0.2	230	44	220	220
STAIR 6	EXIT STAIR	66	0.3	220	49	61	0.2	275	33	220	161
STAIR 7	EXIT STAIR	66	0.3	220	48	63	0.2	285	32	220	158
		TOTAL			TOTAL	TOTAL			TOTAL	TOTAL	TOTAL
		330			259	248			173	990	857

NOTES:
1. THREE INCHES OF ADDITIONAL WIDTH TAKEN FROM DOORS TO ACCOUNT FOR HARDWARE AND DOOR THICKNESS.
2. PHASE 1A SCOPE INCLUDES ADDITION OF TWO NEW ACCESSIBLE ELEVATORS AND ACCESSIBLE MEANS OF EGRESS STAIRWAYS ALONG OLIVE STREET, AS WELL AS REMOVAL OF ESCALATORS AND ASSOCIATED STRUCTURE FROM PLAZA TO PARKING. NEW LANDSCAPE AREA TO BE PROVIDED AT PLAZA WHERE ESCALATORS WERE LOCATED. OTHERWISE, EXISTING PARKING AREAS HAVE NOT BEEN MODIFIED.
3. OPEN EXIT ACCESS STAIRS TO BE PROTECTED PER LABC 1019.3 ITEM 4

Pershing Square Phase 1 P3					
ROOM NAME	OCCUPANCY	FUNCTION PER TABLE 1004.1.2	PROGRAM AREA (SF)	OLF (SF/OCC)	OCCUPANTS
Parking	S-2	Parking	170167	200	851
Mechanical	S-1	Mechanical	643	300	3
Mechanical	S-1	Mechanical	643	300	3
Total			*171453*		857

FIRE RATINGS AND EXITING CALCULATIONS LEGEND

XX — ORIGINATING OCCUPANT LOAD

XX — AGGREGATE OCCUPANT LOAD

XX — SPLIT OCCUPANT LOAD

DIRECTIONAL INDICATOR

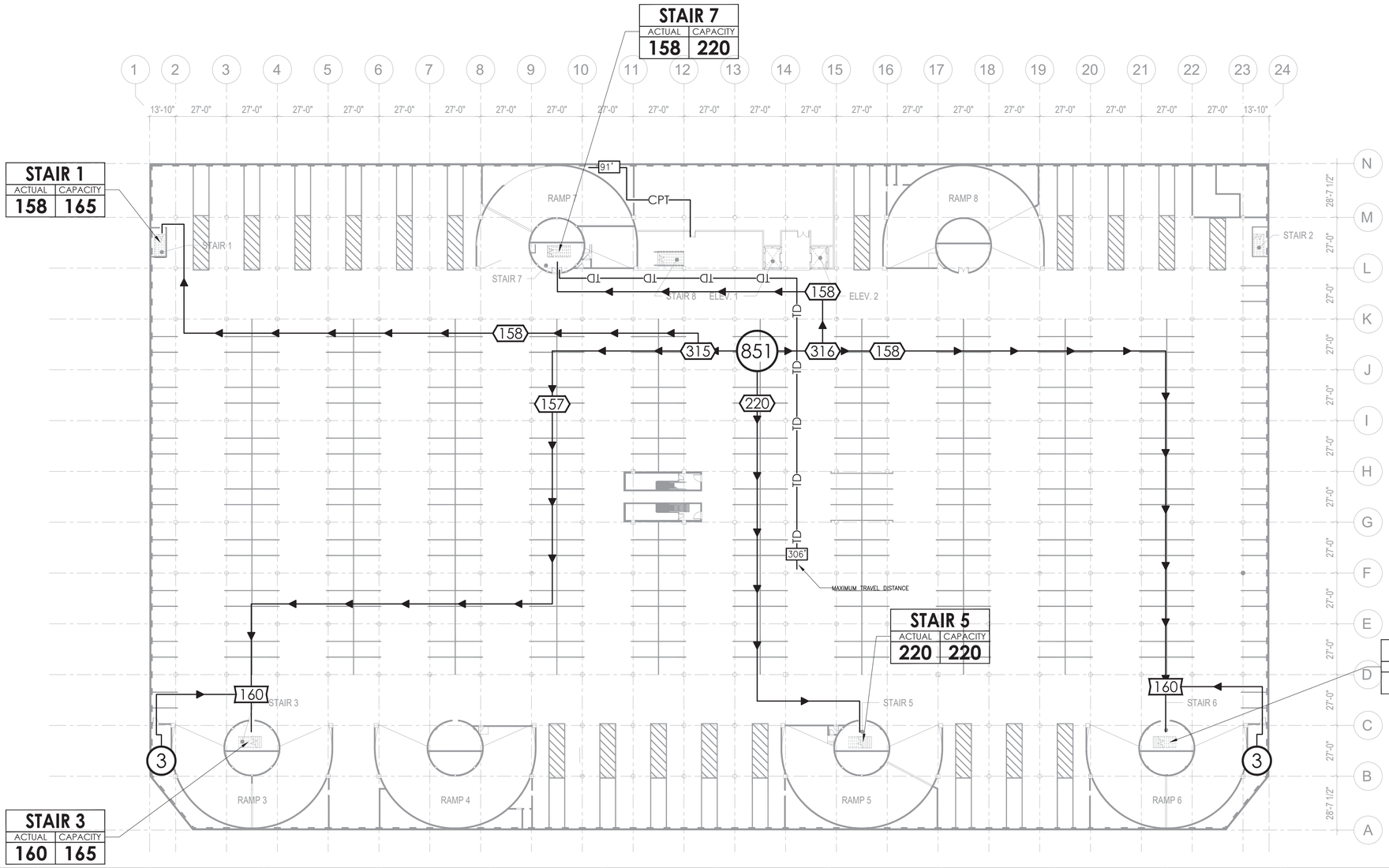
TD 243' — TRAVEL DISTANCE; LENGTH OF TRAVEL IN FEET

STAIR NO 1 (EXIT ID)

ACTUAL USE	ACTUAL	CAPACITY (LIMITING CAPACITY)
	85	453

1:15 OCCUPANT LOAD

1:100 OCCUPANT LOAD



SCALE: 1"=30'-0"

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GRUEN ASSOCIATES — ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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BUREAU OF ENGINEERING — CITY OF LOS ANGELES

ENGINEERING — CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. - MF-300492

NO.	REVISIONS:	DATE:	BY:

LICENSED ARCHITECT — DEBRA A. GEROD — REN. 08-31-21 — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD — LIC. NO. C23665 — DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL P3

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. G104-1A

SHEET OF SHEETS

PLOTTED: 10/19/2020 11:06:25 AM

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REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

DEMOLITION NOTES

A. UNLESS OTHERWISE MENTIONED, ALL EXISTING STRUCTURAL FRAMING TO REMAIN, TYP.
B. CONTRACTOR SHALL DESIGN AND ENGINEER TEMPORARY SUPPORT AND BRACING FOR ANY STRUCTURAL MEMEBER OR WALL TO BE DEMOLISHED.
C. CONTRACTOR SHALL ERECT TEMPORARY BARRICADES AROUND DEMOLITION AREA.
D. CONTRACTOR SHALL TAKE ANY PRECAUTIONS NECESSARY TO PROTECT ANY STRUCTURE & ANY OTHER AREA OUTSIDE OF CONSTRUCTION ZONE AND SECURE APPROVAL OF SUCH MEASURE FROM THE CITY BUILDING AND SAFETY DEPARTMENT.
E. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM GOVERNING AGENCIES REQUIRED FOR SUCH DEMOLITION WORK SHOWN ON THE DRAWINGS. APPLICATION FOR SUCH PERMITS SHALL BE OBTAINED BEFORE STARTING THE DEMOLITION WORK.
F. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY MEASURES DURING AND AFTER DEMOLITION AS REQUIRED BY OSHA AND OTHER GOVERNING AGENCIES.
G. ALL DEMOLITION WORK OUTSIDE THE SCOPE OF THE PROPERTY LINE SHALL NEED APPROVAL FROM APPROPRIATE GOVERNING AGENCIES.
H. CONTRACTOR SHALL VERIFY ACCEPTABLE BUILDING HOURS FOR ALL DEMOLITION WORK AND REMOVALS PRIOR TO STARTING WORK.
I. UNLESS OTHERWISE SHOWN, PATCH AND FINISH SURFACES AS NECESSARY TO MATCH EXISTING.
J. ALL ITEMS SPECIFIED FOR REUSE ARE ASSUMED TO BE IN GOOD OPERATING CONDITION. GENERAL CONTRACTOR SHALL VERIFY CONDITION OF ALL ITEMS FOR REUSE AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION. GENERAL CONTRACTOR SHALL STORE ALL REUSABLE ITEMS SO AS TO PREVENT DAMAGE. CONTRACTOR SHALL REPLACE OR REPAIR DAMAGED ITEMS, AS REQUIRED, AT HIS SOLE COST AND EXPENSE.
K. EXISTING BUILDING SYSTEMS SUCH AS FIRE DETECTION SYSTEMS, PLUMBING AND ELECTRICAL RISERS AND H.V.A.C. SYSTEMS, ETC., ARE TO BE PROTECTED FROM DAMAGE AND/OR REMOVED TO SOURCE, AS REQUIRED. ANY SHUT-OFFS REQUIRED SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND CONTRACTOR SHALL ARRANGE SUCH SHUT-OFFS WITH BUILDING MANAGEMENT.
L. ALL HVAC UNITS AND DUCTWORK WITHIN AND/OR SERVING THE SPACE SHALL BE REMOVED UNLESS OTHERWISE NOTED. COORDINATE W/ BUILDING MANAGEMENT PRIOR TO REMOVING ANY DUCTWORK WHICH IS ACTIVELY SERVING ANOTHER PORTION OF THE BUILDING.
M. GC TO NOTIFY AND SEND PICTURES TO OWNER AND ARCHITECT BEFORE AND AFTER DEMO.
N. GC TO FIELD VERIFY DIMENSIONS, UTILITY LOCATIONS, EXISTING COLUMN LINES, BULKHEAD CONDITIONS, NEUTRAL PIERS, ETC. PRIOR TO AND DURING CONSTRUCTION.
O. EXISTING WORK TO REMAIN: PROVIDE SUCH FORMS OF PROTECTION AS MAY BE NECESSARY TO PREVENT DAMAGE TO EXISTING WORK AND EQUIPMENT TO REMAIN. REPAIR OR REPLACE EXISTING. WORK DAMAGED BY WORK AT NO COST TO OWNER.
P. MATERIALS NOT MENTIONED TO BE REMOVED THAT INTERFERE WITH NEW CONSTRUCTION, EXCEPT WHERE STRUCTURAL INTEGRITY OF THE ASSEMBLY IS AT RISK, SHALL BE CUT TO CLEAN LINES TO PROVIDE FOR PROPER INTERFACE WITH THE NEW CONSTRUCTION, OR PATCHING AND REPAIR, AS REQUIRED.
Q. CEASE OPERATIONS AND NOTIFY OWNER AND ARCHITECT IMMEDIATELY IF HAZARDOUS MATERIALS ARE IDENTIFIED. AA.A 7.1 DO NOT RESUME OPERATIONS UNTIL HAZARDOUS MATERIALS ARE REMOVED AND SAFETY IS RESTORED.
R. GC SHALL X-RAY SLAB AND CONFIRM UNDER SLAB CONDITIONS BEFORE ANY SAWCUTTING.
S. GC TO DIVERT MINIMUM OF 80% OF ENTIRE PROJECT WASTE FROM LANDFILLS IN ACCORDANCE WITH THE STANDARDS SETS BY THE DEPARTMENT OF PUBLIC WORKS.
T. TO COMPLY WITH ALL APPLICABLE REQUIREMENTS IN SECTION 13.04.040 (CONSTRUCTION DEBRIS CONTROL)
U. VERIFY ACTUAL CONDITIONS TO DETERMINE IN ADVANCE WHETHER REMOVAL OR DEMOLITION OF ANY ELEMENT WILL RESULT IN STRUCTURAL DEFICIENCY, OVERLOADING, FAILURE OR UNPLANNED COLLAPSE.
V. PERFORM CONTINUING SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS RESULTING FROM DEMOLITION OR CONSTRUCTION ACTIVITIES.
W. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS, REMOVING DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITIONS WHICH EXISTED PRIOR TO THE START OF WORK.
X. PROMPTLY DISPOSE OF MATERIALS RESULTING FROM DEMOLITION OPERATIONS. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
Y. UPON COMPLETION OF DEMOLITION WORK, REMOVE TOOLS AND EQUIPMENT. LEAVE INTERIOR AREAS BROOM CLEAN, AND EXTERIOR AREAS FREE OF DEBRIS.

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 12/16/2021

ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FERGE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DEMOLITION NOTES

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

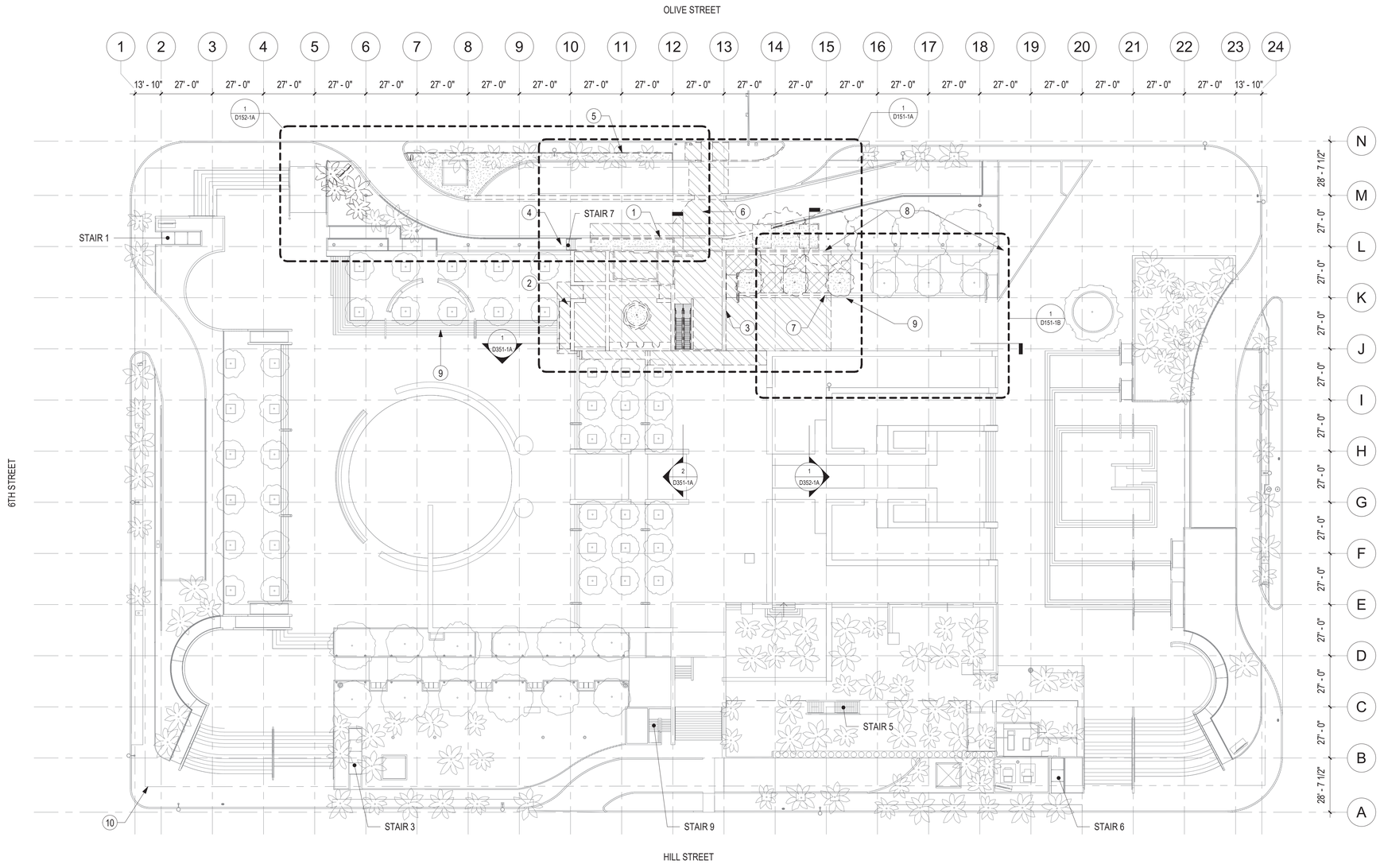
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
D100

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:59:35 AM



KEYNOTES

1. REMOVE WALL AT SIDE OF PLANTER TO BELOW DRIVEWAY LEVEL.
2. REMOVE (E) RAMP AT PLAY AREA AND FILL BELOW DOWN TO (E) STRUCTURAL DECK.
3. REMOVE (E) BUILDING DOWN TO STRUCTURAL DECK AND ESCALATORS INSIDE.
4. PROTECT STAIR AND CAGE IN PLACE.
5. REMOVE CONCRETE PLANTER CURB, PROTECT IN PLACE (E) SIDEWALK.
6. REMOVE UPPER LEVEL OF DRIVEWAY AT CROSSWALK TO (E) COMPACTED SOIL FILL.
7. REMOVE (E) STAIRS.
8. (E) CONCRETE BENCH, PROTECT IN PLACE.
9. PROTECT (E) CONCRETE STAIRS IN PLACE.
10. PROPERTY LINE.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 GROUND LEVEL - DEMO PLAN

SCALE: 1" = 30'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
D111-1A
SHEET OF SHEETS

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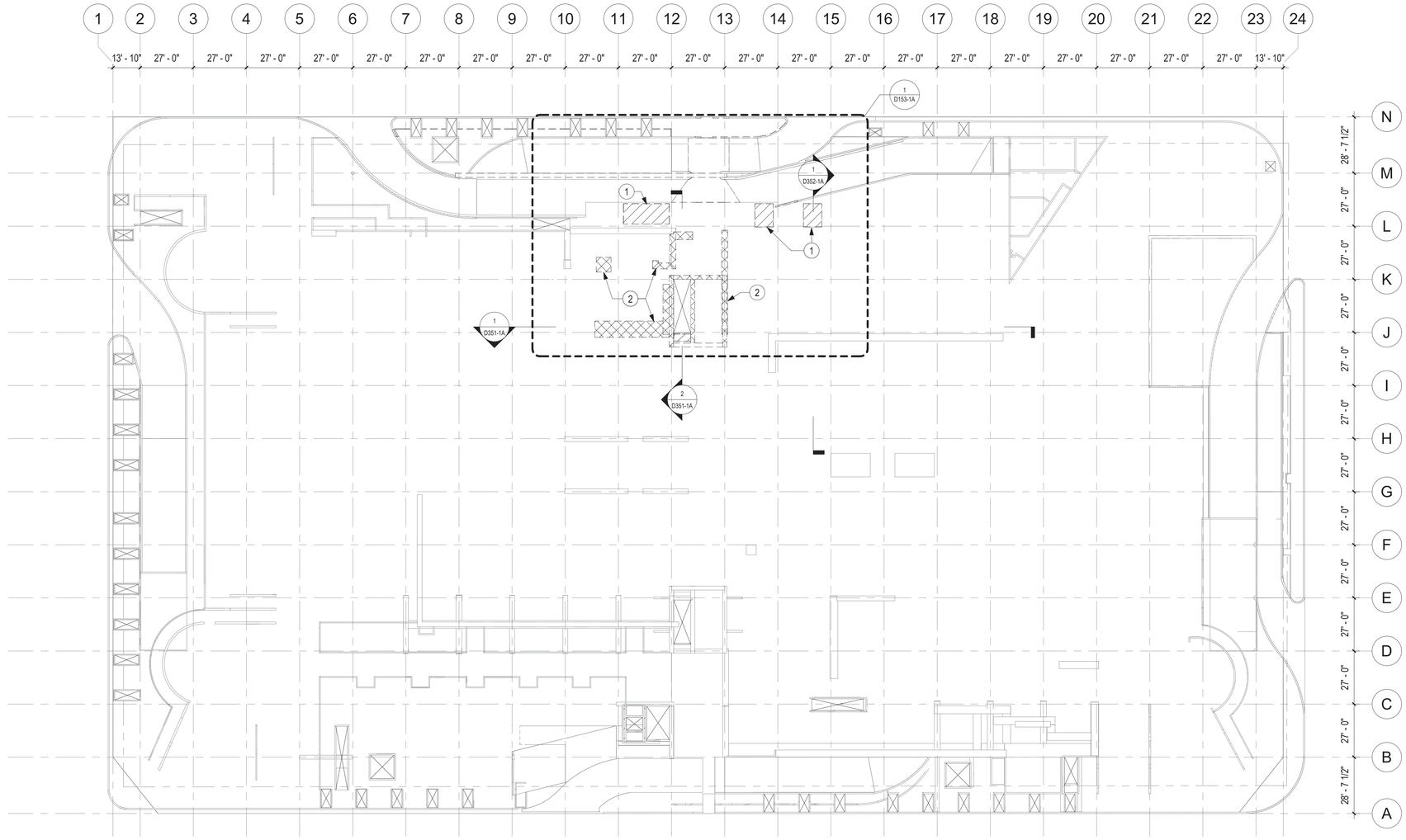

KEYNOTES

1 (N) OPENING TO BE CREATED IN SLAB FOR ELEVATORS AND STAIRCASE PASS THROUGH. PROTECT (E) STRUCTURAL ELEMENTS IN-PLACE (I.E. BEAMS, COLUMNS, ETC.), COORDINATE W/ ARCHITECT/SEOR PRIOR TO DEMO IF THERE ARE ANY CONFLICTS.

2 REMOVE (E) BEAM/FOOTING DOWN TO (E) STRUCTURAL DECK.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 DEMO - GROUND LEVEL SLAB PLAN

SCALE: 1" = 30'-0"

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LICENSED ARCHITECT
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REN. 08-31-23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE: 12/16/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - DEMO SLAB PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D112-1A

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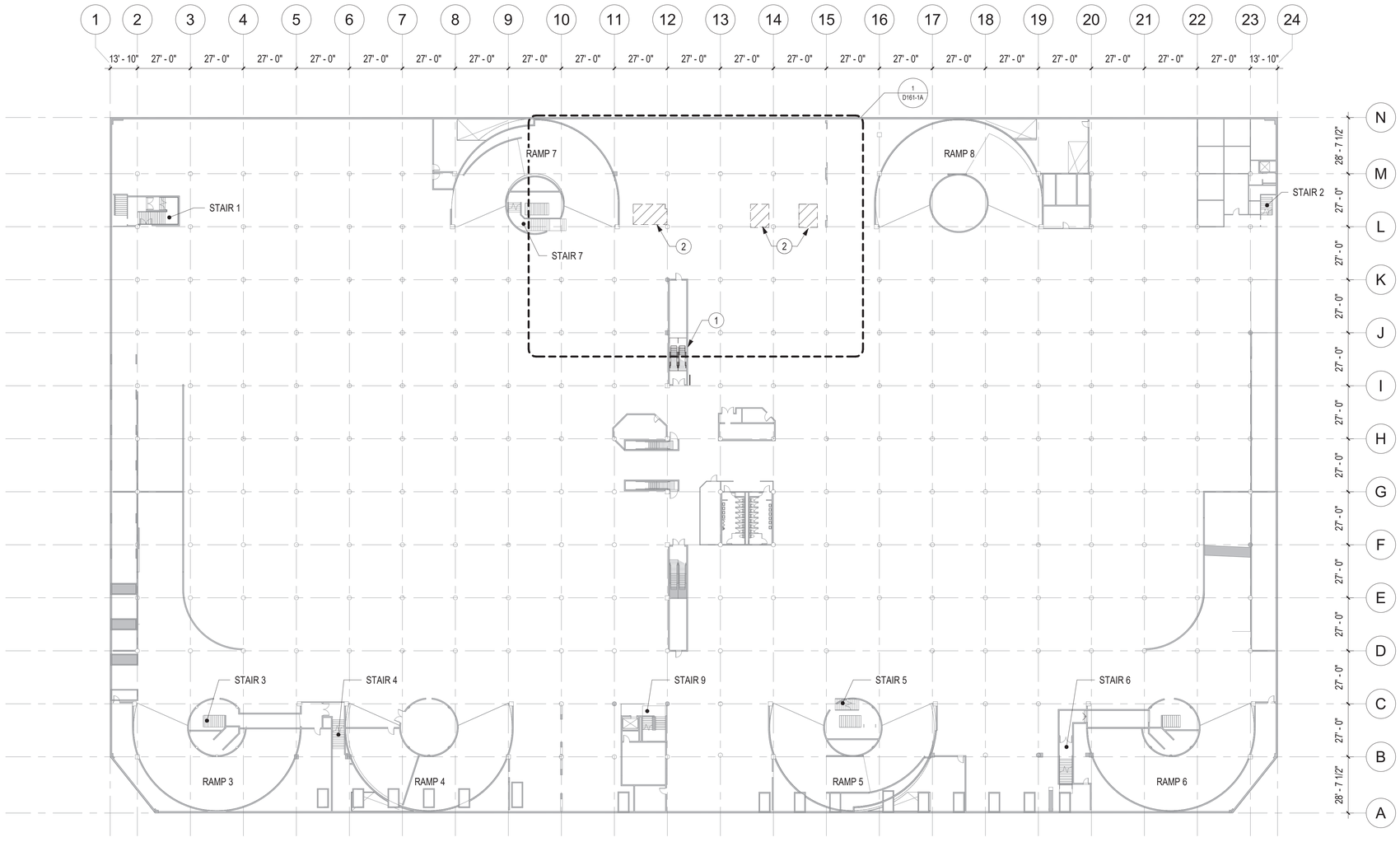

1 PARKING LEVEL 1 - DEMO PLAN

SCALE: 1" = 30'-0"

KEYNOTES

1 REMOVE ESCALATOR, AND RELATED EQUIPMENT. (E) CMU WALLS TO REMAIN, PROTECT IN PLACE.

2 (N) OPENING TO BE CREATED IN SLAB FOR ELEVATORS AND STAIRCASE PASS THROUGH. PROTECT (E) STRUCTURAL ELEMENTS IN-PLACE (I.E. BEAMS, COLUMNS, ETC.), COORDINATE W/ ARCHITECT/SEOR PRIOR TO DEMO IF THERE ARE ANY CONFLICTS.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
BUREAU OF ENGINEERING
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE PARKING LEVEL 1 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D121-1A

SHEET OF SHEETS

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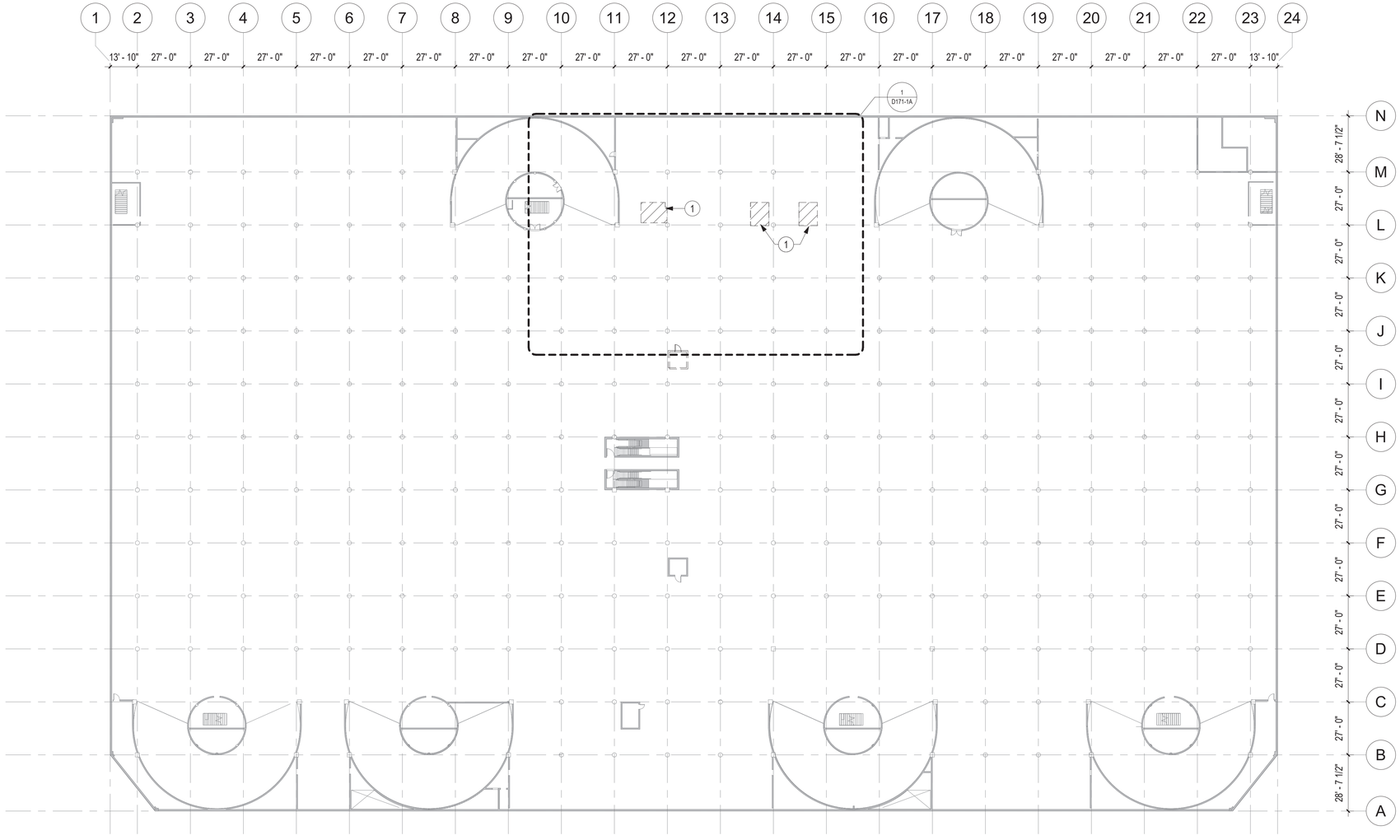

KEYNOTES

1 (N) OPENING TO BE CREATED IN SLAB FOR ELEVATORS AND STAIRCASE PASS THROUGH. PROTECT (E) STRUCTURAL ELEMENTS IN-PLACE (I.E. BEAMS, COLUMNS, ETC.), COORDINATE W/ ARCHITECT/SEOR PRIOR TO DEMO IF THERE ARE ANY CONFLICTS.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 PARKING LEVEL 2 - DEMO PLAN

SCALE: 1" = 30'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 12/16/2021

ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D131-1A

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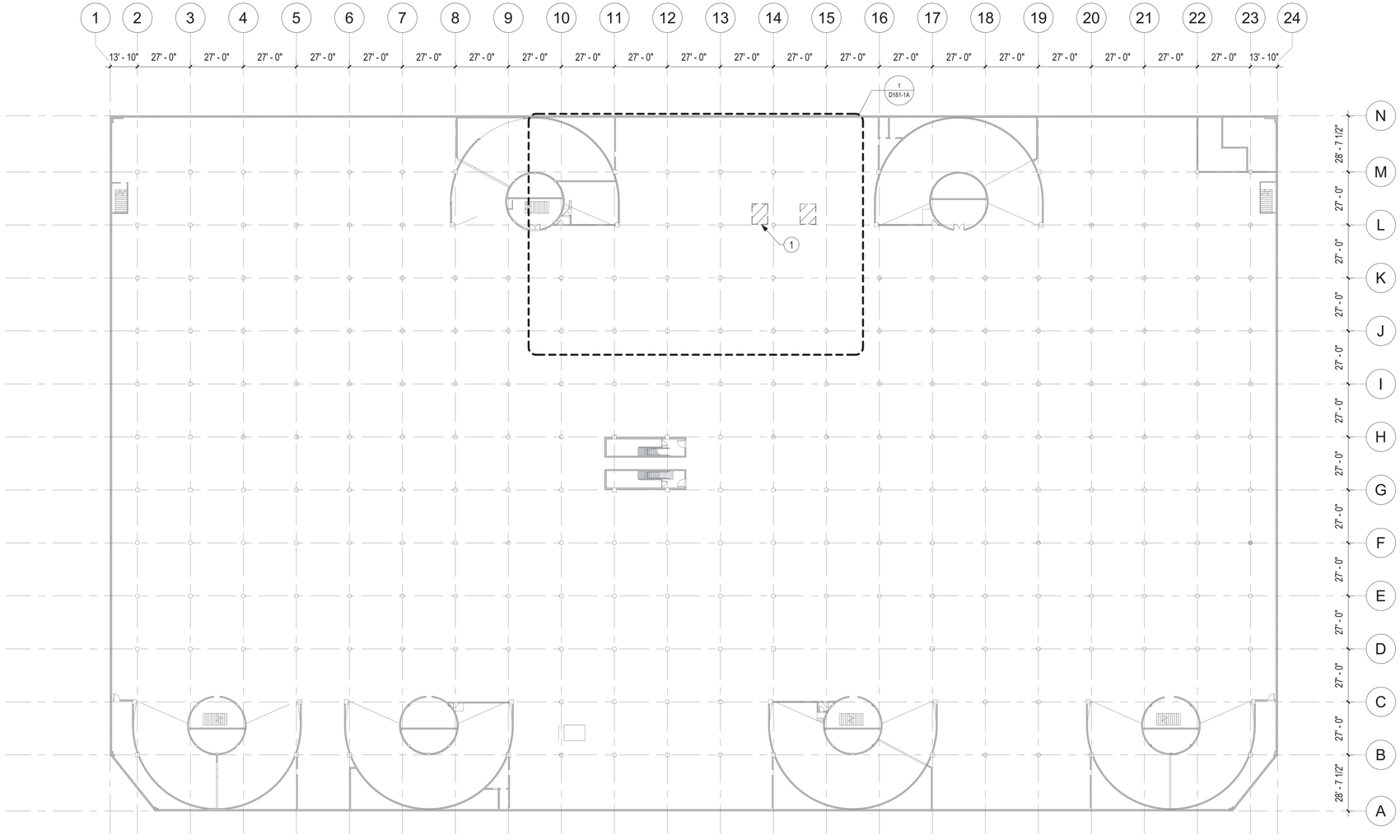

KEYNOTES

1 (N) OPENING TO BE CREATED IN SLAB FOR ELEVATOR PITS, PROTECT STRUCTURAL ELEMENTS.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 PARKING LEVEL 3 - DEMO PLAN

SCALE: 1" = 30'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 3 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D141-1A

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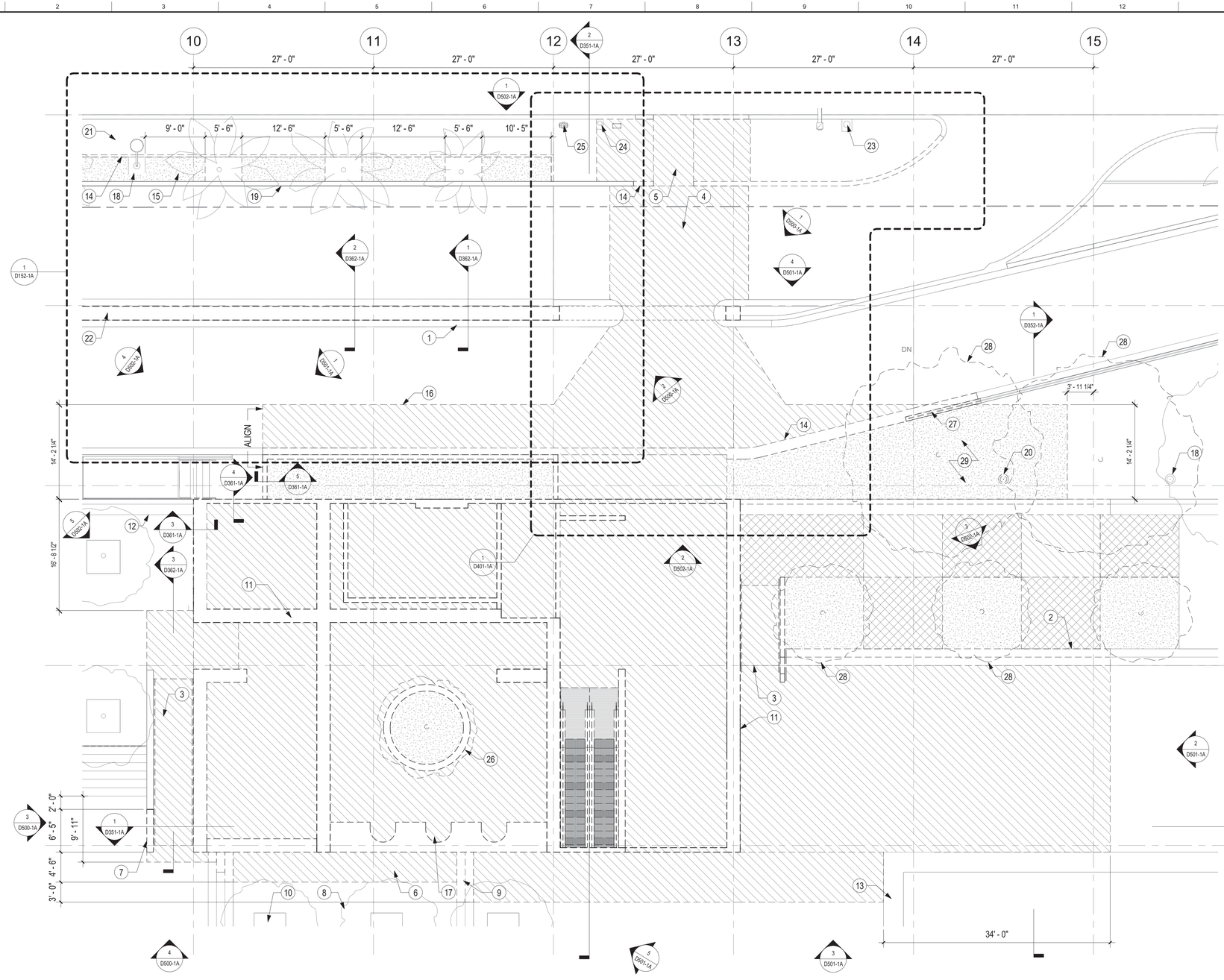

1 DEMO - PLAZA PLAN

SCALE: 1/8" = 1'-0"

KEYNOTES

1 (E) WALL TO BE REMOVED ABOVE 42" AT GRADE. REMOVE WALL OVER CROSSWALK.
2 REMOVE CONCRETE DECK/CONCRETE STAIRS/LANDSCAPE AND COMPACTED SOIL SUPPORT DOWN TO STRUCTURAL DECK.
3 REMOVE (E) RAMP.
4 REMOVE UPPER LEVEL OF DRIVEWAY AT CROSSWALK TO (E) COMPACTED SOIL FILL.
5 REMOVE (E) ACCESSIBLE RAMP DOWN TO STRUCTURAL DECK.
6 REMOVE (E) DECK AND SOIL DOWN TO STRUCTURAL DECK.
7 REMOVE SEGMENT OF (E) RAMP WALL. CAP END AND RESURFACE TO MATCH (E).
8 PROTECT (E) CONCRETE DECK AND COMPACTED EARTH FILL IN PLACE, REFINISH EDGE IF DAMAGED DURING DEMO.
9 REMOVE (E) STAIRS.
10 PROTECT (E) TREES IN PLACE. TYPICAL.
11 REMOVE (E) BUILDING DOWN TO STRUCTURAL DECK AND ESCALATORS INSIDE.
12 (E) CONCRETE BENCH, PROTECT IN PLACE.
13 PROTECT (E) PLANTER WALL.
14 REMOVE (E) CURB.
15 REMOVE (E) LANDSCAPE AS INDICATED, PROTECT (E) TREES IN PLACE.
16 REMOVE DRIVEWAY TO TOP OF (E) STRUCTURAL DECK.
17 REMOVE, PROTECT AND STORE FOR REUSE (E) TELESCOPES.
18 (E) LAMP POST AND CONCRETE FOOTING. PROTECT IN PLACE.
19 PROTECT (E) WALL IN PLACE.
20 REMOVE (E) LAMP POST AND CONCRETE FOOTING.
21 PROTECT (E) SIDEWALK IN PLACE.
22 CUT AND REMOVE UPPER PORTION OF (E) DRIVE AISLE WALL ACROSS COMPLETE LENGTH. REDUCE WALL DOWN TO HEIGHT AT (E) WINDOW OPENING. REMOVE CAPSTONE.
23 (E) TRAFFIC SIGNAL. PROTECT IN PLACE.
24 (E) CROSS WALK SIGNAL. PROTECT IN PLACE.
25 (E) FIRE HYDRANT. PROTECT IN PLACE.
26 REMOVE (E) PLANTER AND TREE DOWN TO STRUCTURAL DECK.
27 REMOVE SEGMENT OF (E) GUARDRAIL. CAP/ REFINISH CUT EDGES.
28 REMOVE (E) TREE.
29 REMOVE (E) LANDSCAPE AND SOIL DOWN TO STRUCTURAL DECK. PROVIDE TEMPORARY SHORING FOR ADJACENT SOIL.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

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BUILDING NO.
INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 12/16/2021
LIC. NO. C23665
DATE: 11/08/201

ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - PLAZA

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. D151-1A
SHEET OF SHEETS

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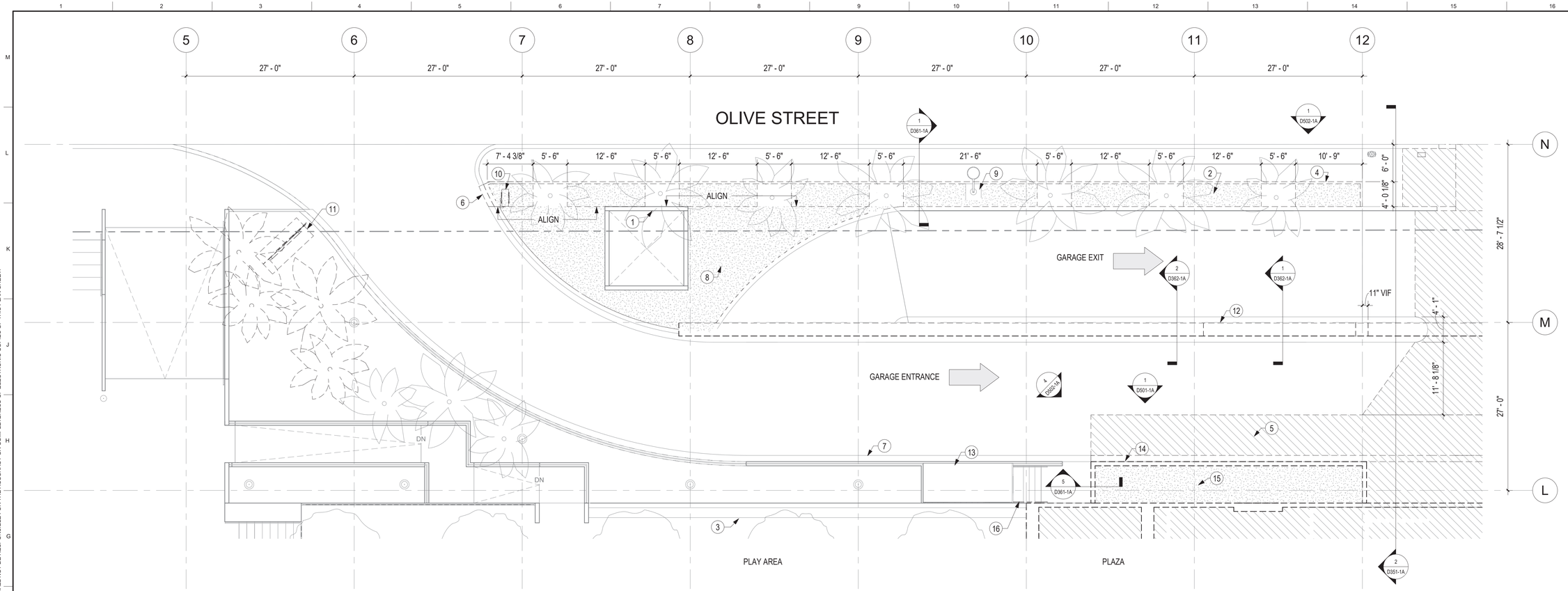

1 DEMO - OLIVE STREET

SCALE: 1/8" = 1'-0"

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

KEYNOTES

1 (E) VENT, PROTECT IN PLACE.
2 REMOVE (E) LANDSCAPE AS INDICATED, PROTECT (E) TREES IN PLACE.
3 (E) CONCRETE BENCH, PROTECT IN PLACE.
4 REMOVE (E) CURB.
5 REMOVE DRIVEWAY TO TOP OF (E) STRUCTURAL DECK.
6 REMOVE (E) CURB AND PLANTER WALL.
7 (E) CURB AND GUTTER, PROTECT IN PLACE.
8 REVITALIZED LANDSCAPE AREA/TREES.
9 (E) LAMP POST AND CONCRETE FOOTING. PROTECT IN PLACE.
10 REMOVE (E) CONCRETE PARKING ENTRANCE SIGNAGE, FILL HOLE IN GROUND AS REQUIRED.

KEYNOTES

11 REMOVE (E) METAL SIGNAGE AND CONCRETE FOUNDATION. FILL VOID TO MATCH ADJACENT PLANTING BED CONDITIONS.
12 CUT AND REMOVE UPPER PORTION OF (E) DRIVE AISLE WALL ACROSS COMPLETE LENGTH. REDUCE WALL DOWN TO HEIGHT AT (E) WINDOW OPENING. REMOVE CAPSTONE.
13 (E) CAGED EGRESS STAIR. PROTECT IN PLACE.
14 REMOVE (E) RETAINING WALL TO STRUCTURAL DECK.
15 REMOVE (E) PLANTERS AND TREES.
16 (E) HANDRAIL MOUNTED TO BUILDING TO BE REMOVED

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

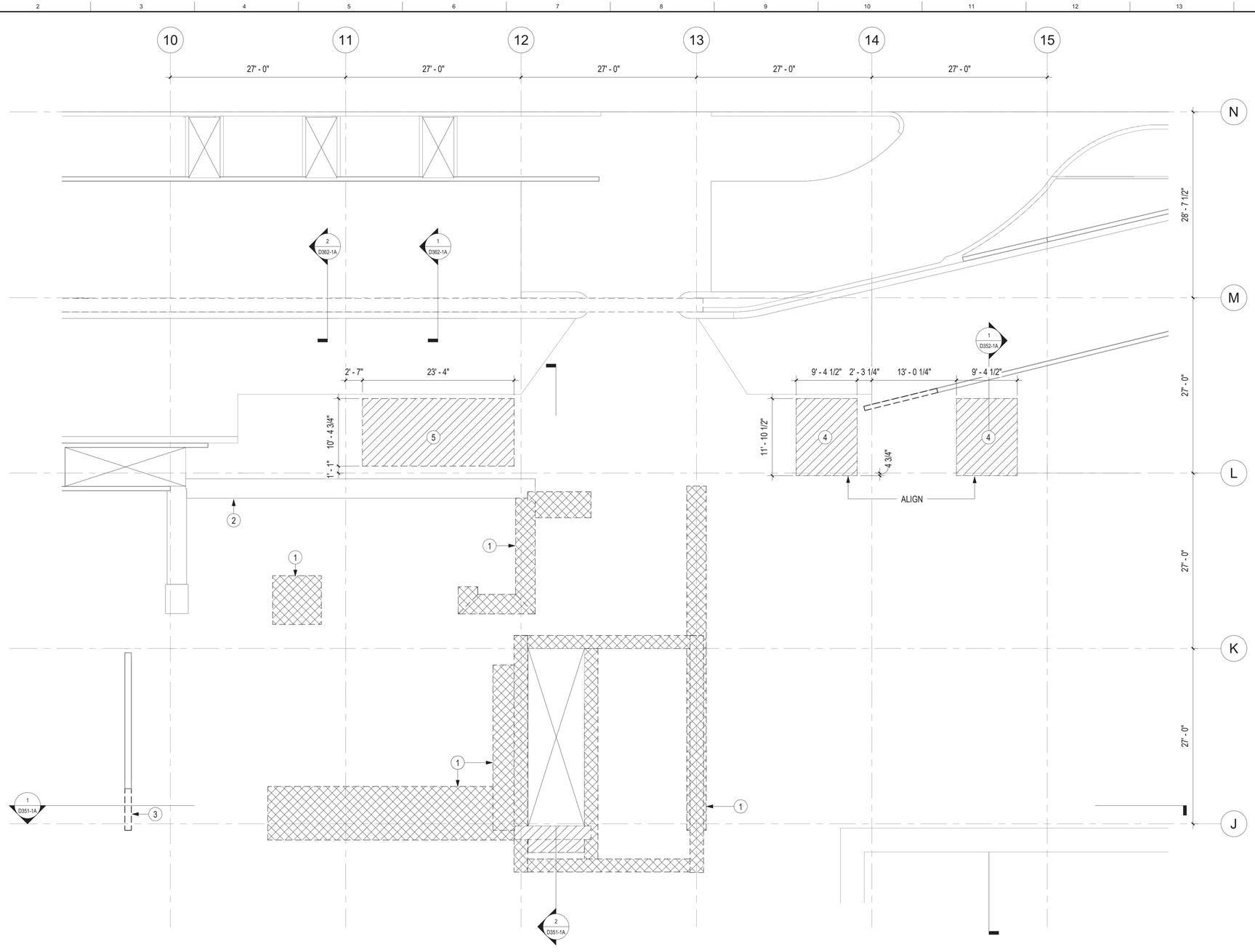
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - STREET SCAPE ENHANCEMENT
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. D152-1A
SHEET OF SHEETS

PLOTTED: 11/3/2021 9:00:10 AM



KEYNOTES

1. REMOVE (E) BEAM/FOOTING DOWN TO (E) STRUCTURAL DECK.
2. (E) FOOTINGS TO REMAIN IN PLACE.
3. REMOVE SEGMENT OF (E) RAMP WALL. CAP END AND RESURFACE TO MATCH (E).
4. CUT OPENING IN (E) STRUCTURAL DECK FOR (N) ELEVATOR SHAFT.
5. CUT OPENING IN (E) STRUCTURAL DECK FOR (N) CONCRETE STAIR.

LEGEND

- EXISTING ELEMENT TO REMAIN
- EXISTING BEAM/FOOTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 DEMO - GROUND LEVEL SLAB PLAN

SCALE: 1/8" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:00:14 AM

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CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT DATE: 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED SLAB PLANS - PLAZA

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

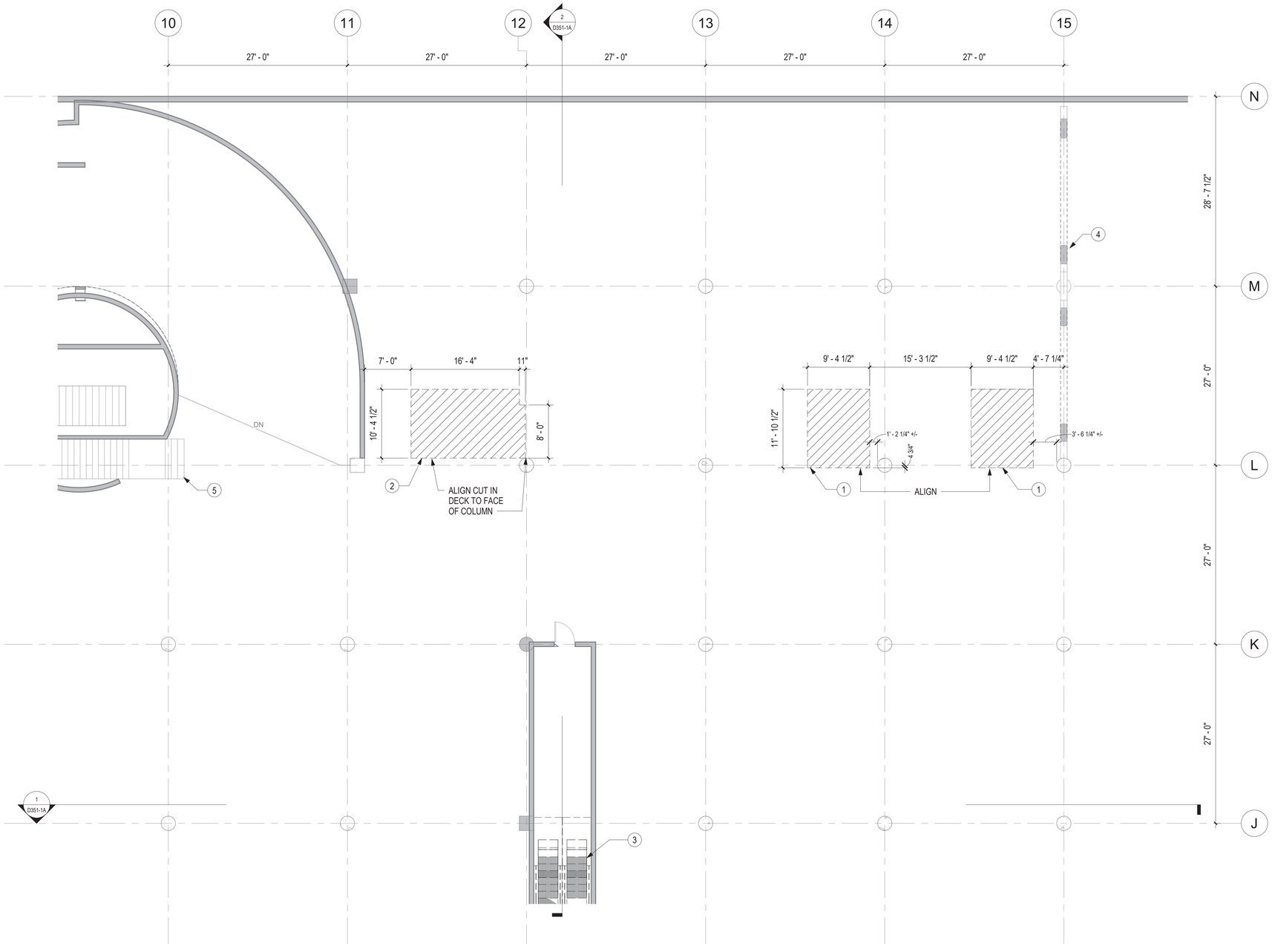
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D153-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:00:14 AM



KEYNOTES

1. CUT OPENING IN (E) STRUCTURAL DECK FOR (N) ELEVATOR SHAFT.
2. CUT OPENING IN (E) STRUCTURAL DECK FOR (N) CONCRETE STAIR.
3. REMOVE ESCALATOR, AND RELATED EQUIPMENT. (E) CMU WALLS TO REMAIN, PROTECT IN PLACE.
4. (E) FLOOR TO CEILING 36" DEPTH CONCRETE DIAGONAL CROSSBEAMS. PROTECT IN PLACE.
5. (E) CAGED EGRESS STAIR. PROTECT IN PLACE.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 DEMO - OLIVE STREET P1 LEVEL

SCALE: 1/8" = 1'-0"

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INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 1 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

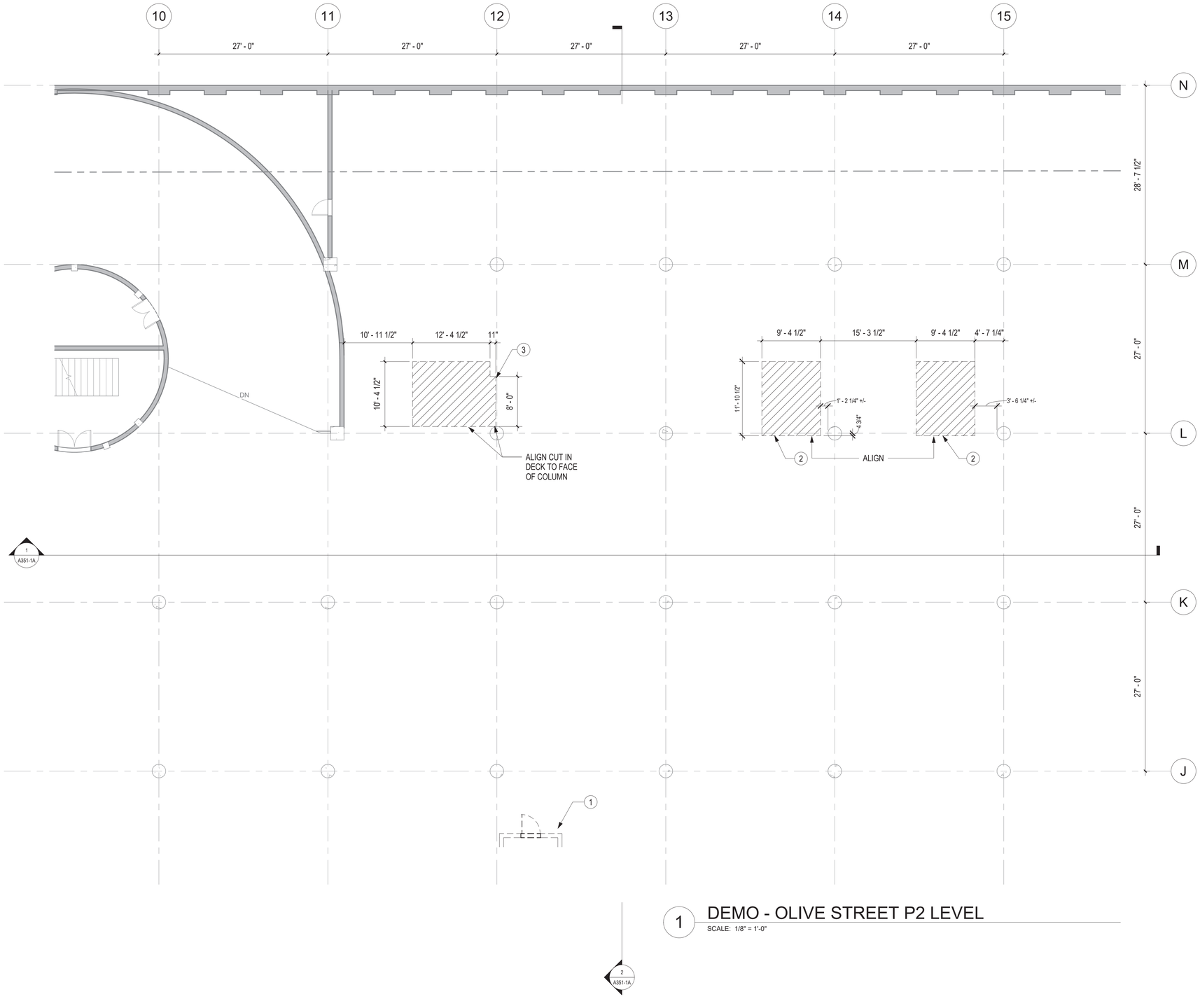
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **D161-1A**

SHEET OF SHEETS



KEYNOTES

1 REMOVE (E) ESCALATOR MACHINERY AND CMU ENCLOSURE.

2 CUT OPENING IN (E) STRUCTURAL DECK FOR (N) ELEVATOR SHAFT.

3 CUT OPENING IN (E) STRUCTURAL DECK FOR (N) CONCRETE STAIR.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 DEMO - OLIVE STREET P2 LEVEL

SCALE: 1/8" = 1'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

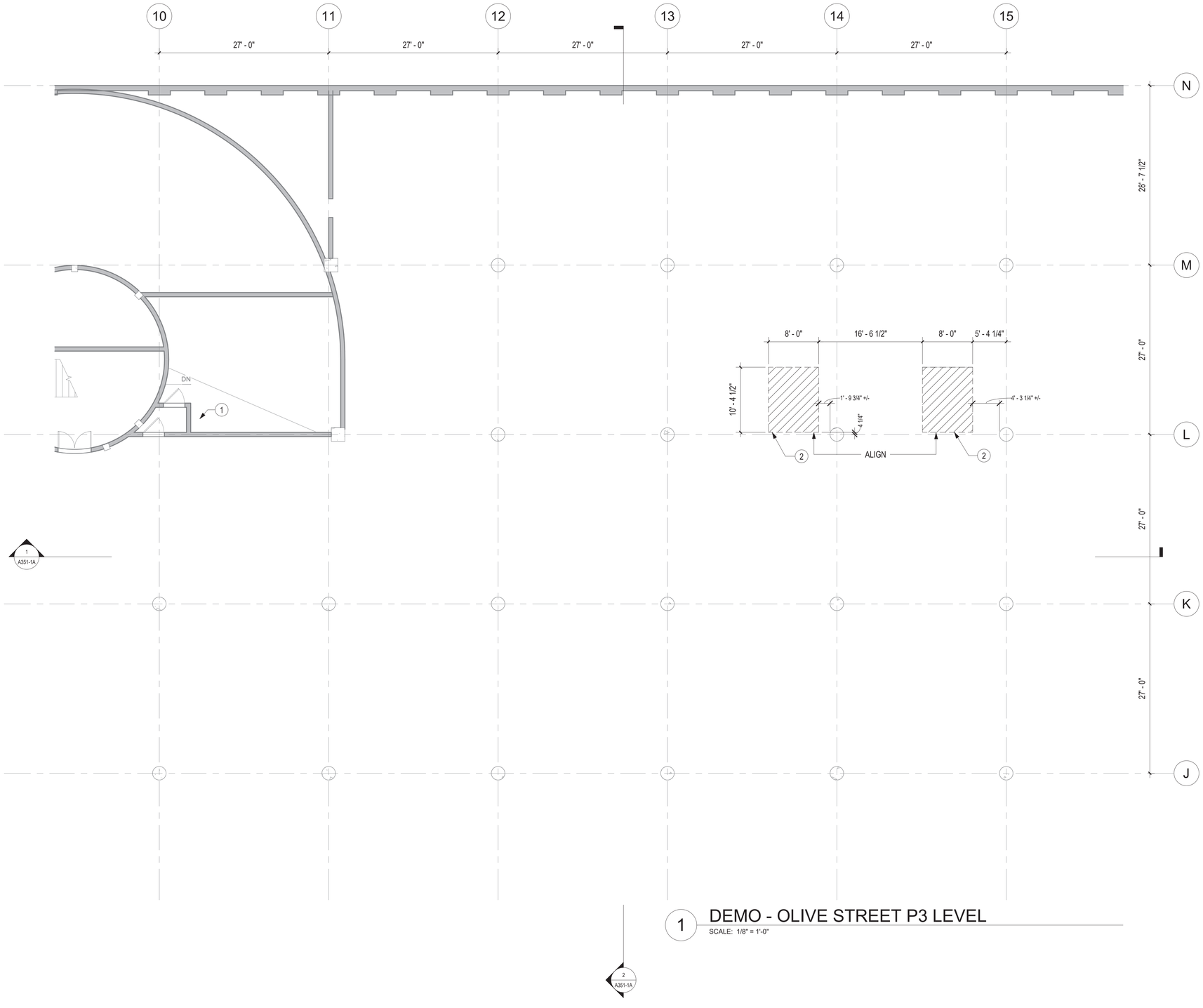
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D171-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:00:21 AM



KEYNOTES

1 (E) SUB BASEMENT MECHANICAL P4 LEVEL. PROTECT IN PLACE.

2 CUT OPENING IN (E) STRUCTURAL DECK FOR (N) ELEVATOR SHAFT.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 DEMO - OLIVE STREET P3 LEVEL

SCALE: 1/8" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 3 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

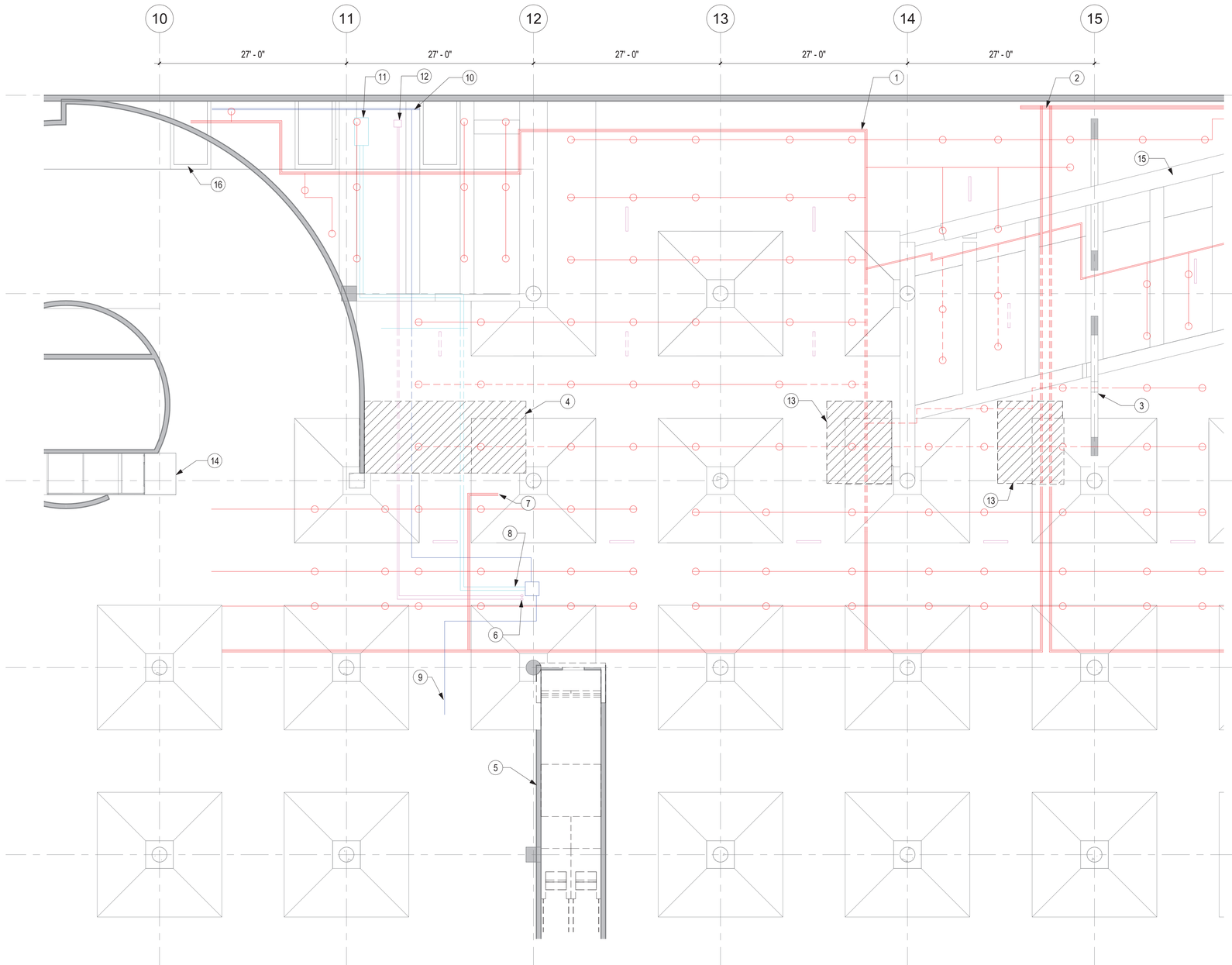
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D181-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:00:24 AM



KEYNOTES

1 (E) 5" SPRINKLER SUPPLY PIPE.
2 (E) 8" SPRINKLER SUPPLY MAIN.
3 (E) FLOOR TO CEILING 36" DEPTH CONCRETE DIAGONAL CROSSBEAMS. PROTECT IN PLACE.
4 CUT OPENING IN (E) STRUCTURAL DECK FOR (N) CONCRETE STAIR.
5 REMOVE (E) ESCALATOR MACHINERY AND CMU ENCLOSURE.
6 (E) 1" ELECTRICAL CONDUIT. EXTENDS THROUGH STRUCTURAL DECK TO (E) CAFE BUILDING ABOVE. VERIFY IN FIELD.
7 (E) 8" SPRINKLER SUPPLY SOURCE PIPE FROM CEILING. PROTECT IN PLACE. VERIFY IN FIELD.
8 (E) 2" COOLANT SUPPLY/ RETURN LINES FOR AC UNIT SUPPLYING (E) CAFE BUILDING AT GROUND LEVEL. VERIFY IN FIELD.
9 (E) 1" COPPER DRAIN PIPE. COLLECTS WATER FROM ADDITIONAL SOURCES AT GROUND LEVEL. VERIFY IN FIELD.
10 (E) 6" STORMWATER DRAIN CONNECTING INTO (E) TREE WELLS. VERIFY IN FIELD.
11 (E) AC UNIT SUPPLYING (E) CAFE BUILDING AT GROUND LEVEL. VERIFY IN FIELD.
12 (E) SWITCHBOX SUPPLYING ELECTRICITY TO AC UNIT. VERIFY IN FIELD.
13 CUT OPENING IN (E) STRUCTURAL DECK FOR (N) ELEVATOR SHAFT.
14 (E) CAGED EGRESS STAIR. PROTECT IN PLACE.
15 STRUCTURE OF (E) RAMP. PROTECT IN PLACE.
16 (E) TREE WELL BOXES. PROTECT IN PLACE. TYP.

UTILITY LEGEND

(E) SPRINKLER HEAD
(E) SPRINKLER PIPE
(E) WASTE/ STORM WATER PIPE
(E) ELECTRICAL ELEMENT
(E) OVERHEAD STRIP LIGHT, POWER SOURCE IMBEDDED IN STRUCTURAL DECK
(E) COOLANT LINE

LEGEND

EXISTING WALL TO REMAIN
EXISTING WALL TO REMOVE
HARDSCAPE TO REMOVE
DECOMPOSED GRANITE TO REMOVE
PLANTING TO REMOVE
EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 DEMO - OLIVE STREET RCP - P1 LEVEL

SCALE: 1/8" = 1'-0"

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REVISION DATE: 11/3/2021 9:00:27 AM

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BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED RCP - PARKING LEVEL 1

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. D261-1A
SHEET OF SHEETS

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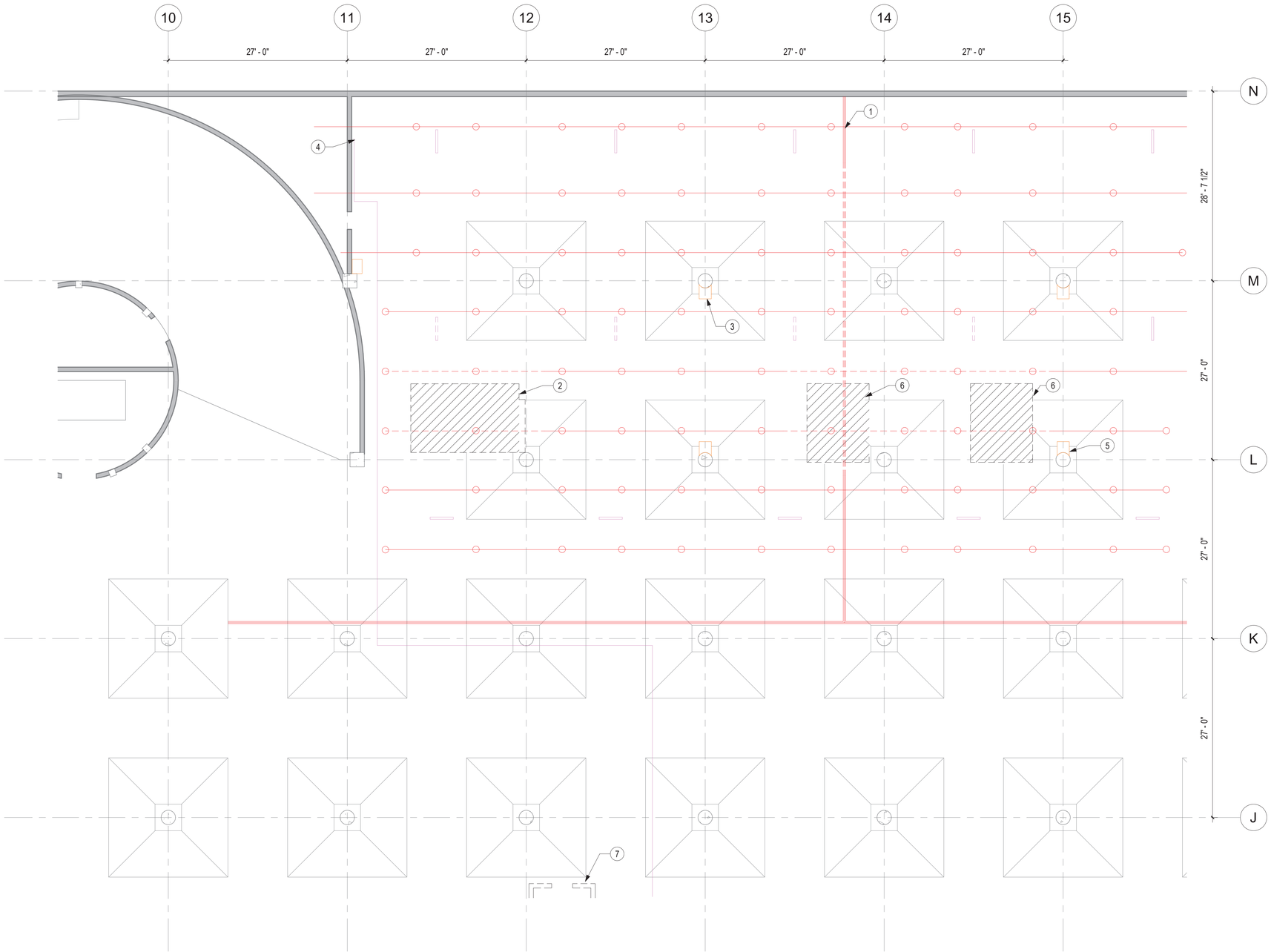

1 DEMO - OLIVE STREET RCP - P2 LEVEL

SCALE: 1/8" = 1'-0"

KEYNOTES

1 (E) 5" SPRINKLER SUPPLY PIPE.
2 CUT OPENING IN STRUCTURAL DECK AND COLUMN CAP.
3 (E) AIR SUPPLY VENT AND (E) PLASTER WALLS. PROTECT IN PLACE, PAINT.
4 (E) STANDARD 2 PLUG, 3 PRONG ELECTRICAL OUTLET MOUNTED AT WALL.
5 (E) OPENING IN STRUCTURAL DECK FOR AIR VENT.
6 (N) ELEVATORS - GRADE TO PARKING LEVEL 3, INCLUDES LANDING AT UPPER PARK LEVEL. ENCASED IN GLASS ALL LEVELS.
7 REMOVE (E) ESCALATOR MACHINERY AND CMU ENCLOSURE.

UTILITY LEGEND

(E) SPRINKLER HEAD
(E) SPRINKLER PIPE
(E) ELECTRICAL ELEMENT
(E) OVERHEAD STRIP LIGHT, POWER SOURCE IMBEDDED IN STRUCTURAL DECK
(E) AIR VENT ELEMENT

LEGEND

EXISTING WALL TO REMAIN
EXISTING WALL TO REMOVE
HARDSCAPE TO REMOVE
DECOMPOSED GRANITE TO REMOVE
PLANTING TO REMOVE
EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED RCP - PARKING LEVEL 2

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. D271-1A
SHEET OF SHEETS

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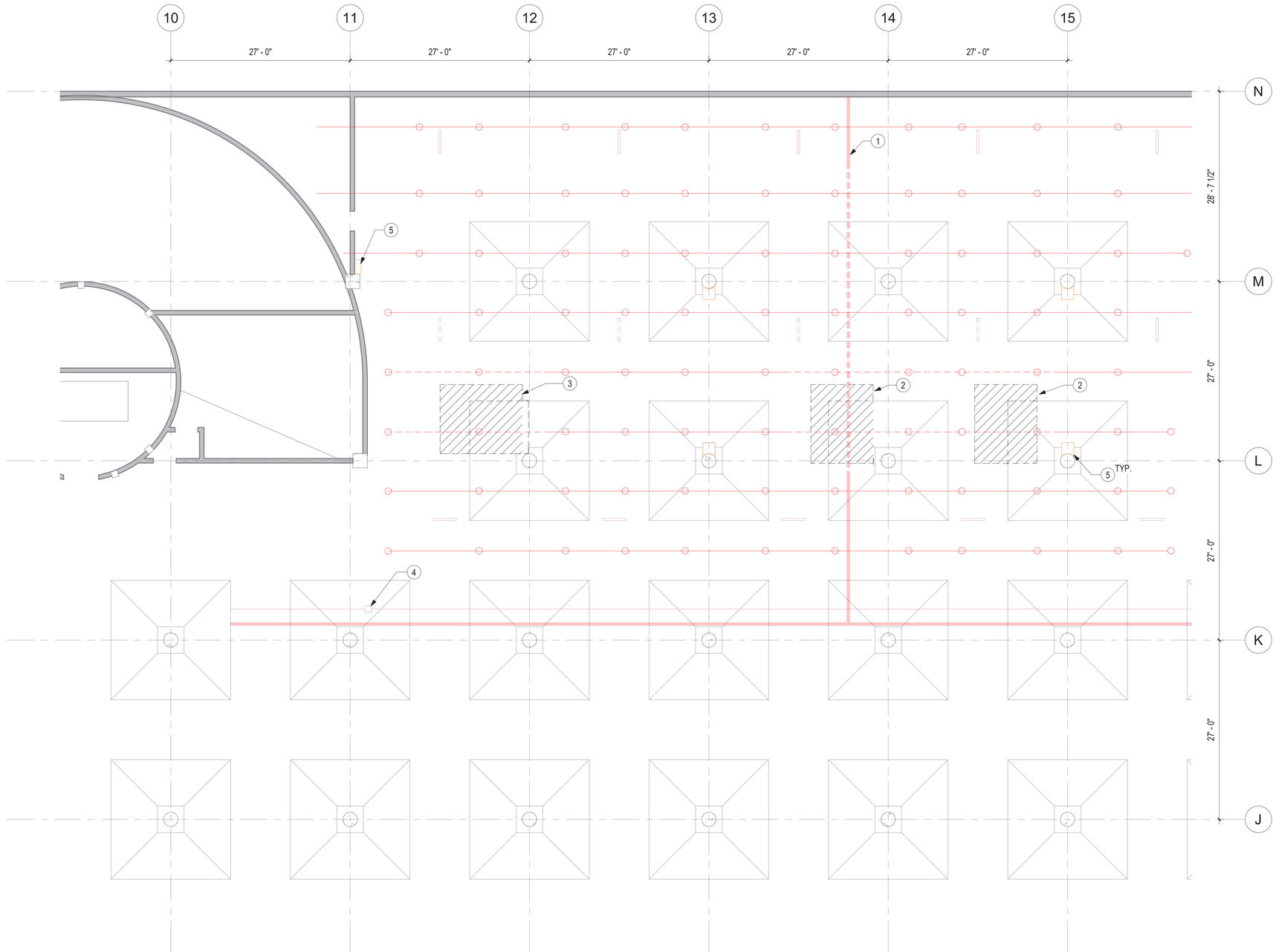

KEYNOTES

1 (E) 5" SPRINKLER SUPPLY PIPE.
2 CUT OPENING IN (E) STRUCTURAL DECK FOR (N) ELEVATOR SHAFT.
3 CUT OPENING IN STRUCTURAL DECK AND COLUMN CAP.
4 (E) ELECTRICAL JUNCTION BOX.
5 (E) OPENING IN STRUCTURAL DECK FOR AIR VENT.

UTILITY LEGEND

- (E) SPRINKLER HEAD
- (E) SPRINKLER PIPE
- (E) ELECTRICAL ELEMENT
- (E) OVERHEAD STRIP LIGHT, POWER SOURCE IMBEDDED IN STRUCTURAL DECK
- (E) AIR VENT ELEMENT

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

SHEET NOTES

A. FOR TYPICAL DEMOLITION NOTES, SEE D100

1 DEMO - OLIVE STREET RCP - P3 LEVEL

SCALE: 1/8" = 1'-0"

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED RCP - PARKING LEVEL 3

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

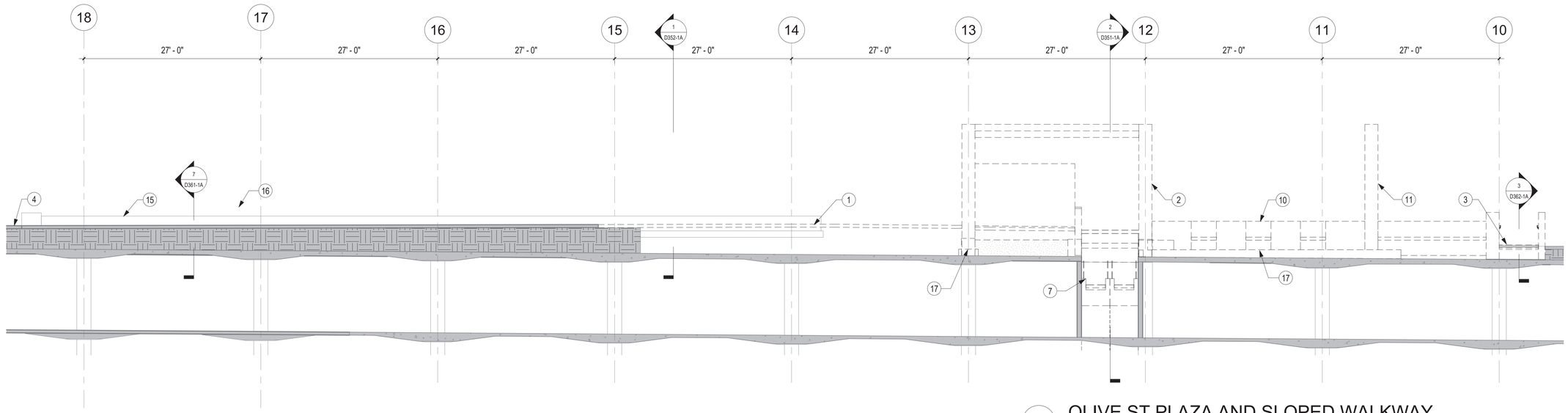
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D281-1A

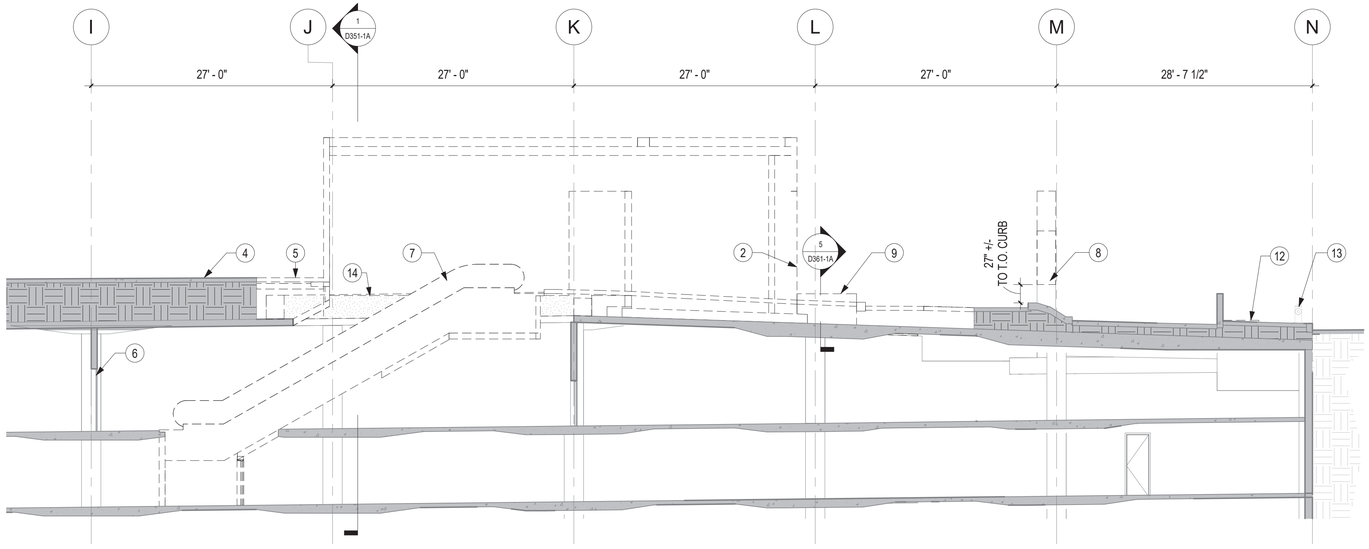
SHEET OF SHEETS

PLOTTED: 11/3/2021 9:00:35 AM



1 OLIVE ST PLAZA AND SLOPED WALKWAY

SCALE: 1/8" = 1'-0"



2 DEMO SECTION AT ESCALATOR

SCALE: 1/8" = 1'-0"

KEYNOTES

1 REMOVE CONCRETE DECK/CONCRETE STAIRS/LANDSCAPE AND COMPACTED SOIL SUPPORT DOWN TO STRUCTURAL DECK.
2 REMOVE (E) BUILDING DOWN TO STRUCTURAL DECK.
3 REMOVE (E) RAMP AT PLAY AREA AND FILL BELOW DOWN TO (E) STRUCTURAL DECK.
4 PROTECT (E) CONCRETE DECK AND COMPACTED EARTH FILL IN PLACE, REFINISH EDGE IF DAMAGED DURING DEMO.
5 REMOVE (E) STAIRS.
6 REMOVE (E) WALL, DOOR AND ALL RELATED APPURTENANCES.
7 REMOVE ESCALATOR, AND RELATED EQUIPMENT. (E) CMU WALLS TO REMAIN, PROTECT IN PLACE.
8 CUT AND REMOVE UPPER PORTION OF (E) DRIVE AISLE WALL ACROSS COMPLETE LENGTH. REDUCE WALL DOWN TO HEIGHT AT (E) WINDOW OPENING. REMOVE CAPSTONE.

KEYNOTES

9 REMOVE (E) PLANTER WALL AT DRIVE AISLE.
10 REMOVE (E) WALL WITH TELESCOPES. REMOVE (E) TELESCOPES, PROTECT, AND STORE FOR FUTURE REINSTALLATION.
11 REMOVE (E) WALL ADJACENT TO (E) ESCALATOR BUILDING.
12 REMOVE (E) CURB.
13 (E) FIRE HYDRANT. PROTECT IN PLACE.
14 REMOVE (E) BEAM CAST INTO (E) STRUCTURAL DECK.
15 (E) CONCRETE LOW WALL. PROTECT IN PLACE.
16 REMOVE (E) CONCRETE BENCH.
17 REMOVE (E) BEAM/FOOTING DOWN TO (E) STRUCTURAL DECK.

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NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DEMO - SECTIONS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. D351-1A
SHEET OF SHEETS

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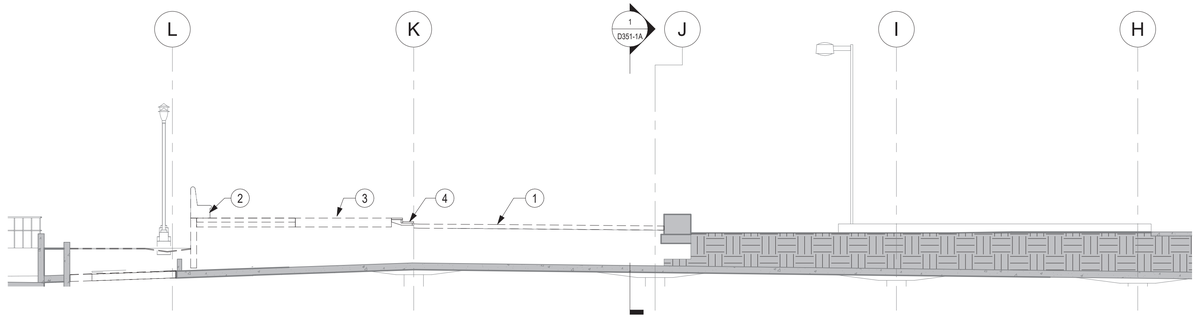
REVISION DATE: 11/3/2021 9:00:39 AM
REVISION DATES (DESIGN STAGE ONLY)

PLOTTED: 11/3/2021 9:00:39 AM



1 DEMO - SECTION AT PLAZA STEPS AND GRASS

SCALE: 1/8" = 1'-0"

KEYNOTES

1 CUT (E) CONCRETE AND REMOVE.
2 REMOVE (E) CONCRETE BENCH AND FOOTING.
3 REMOVE (E) DECOMPOSED GRANITE AND COMPACTED FILL AS INDICATED.
4 REMOVE CONCRETE DECK/CONCRETE STAIRS/LANDSCAPE AND COMPACTED SOIL SUPPORT DOWN TO STRUCTURAL DECK.

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ARCHITECTURE PLANNING INTERIORS LANDSCAPE
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REVISION DATE: 11/3/2021 9:00:42 AM

BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A, PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DEMO - SECTIONS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

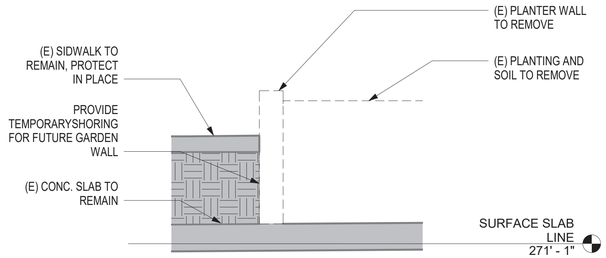
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D352-1A

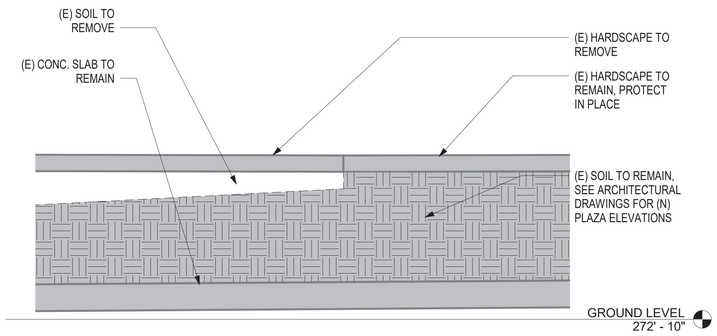
SHEET OF SHEETS

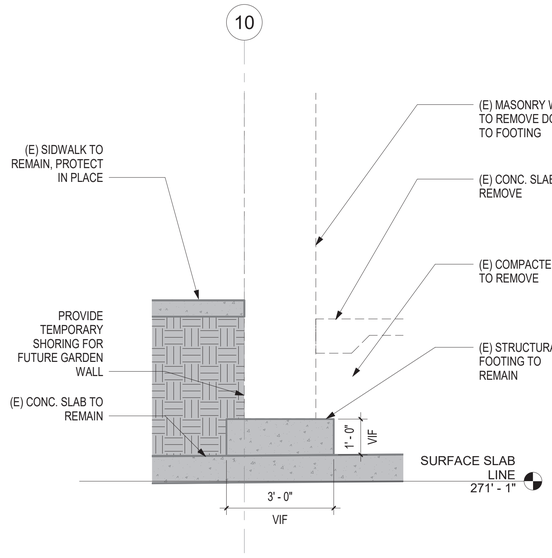
PLOTTED: 11/3/2021 9:00:42 AM



5 SECTION AT PLANTER

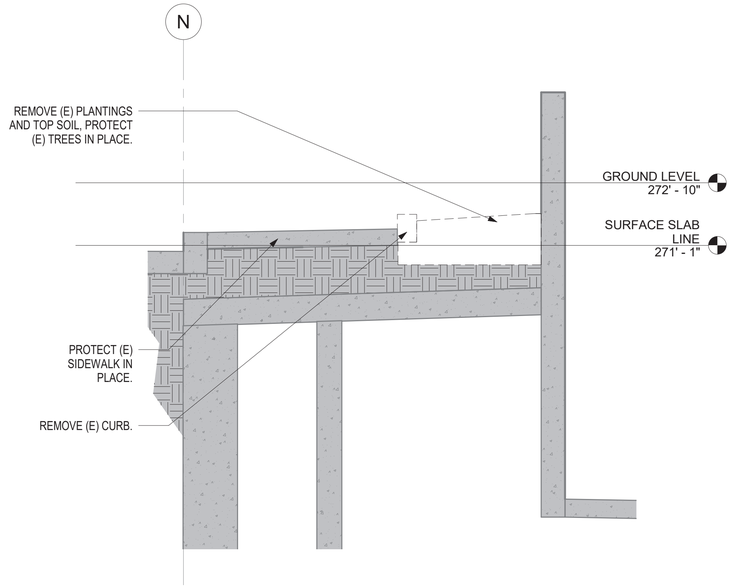
SCALE: 1/2" = 1'-0"





3 PAVILLION WALL SECTION - SOUTH

SCALE: 1/2" = 1'-0"

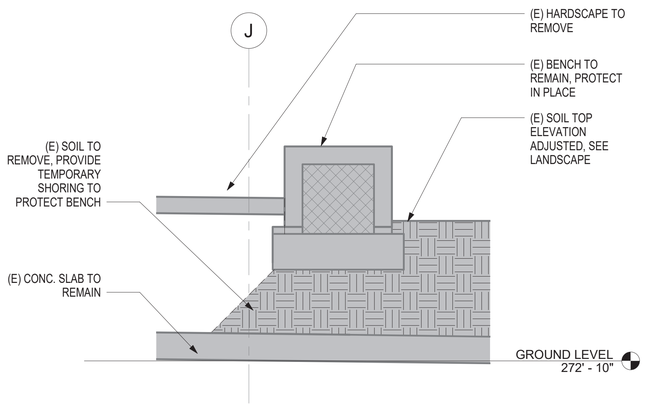


1 OLIVE STREET - STREETSCAPE

SCALE: 1/2" = 1'-0"

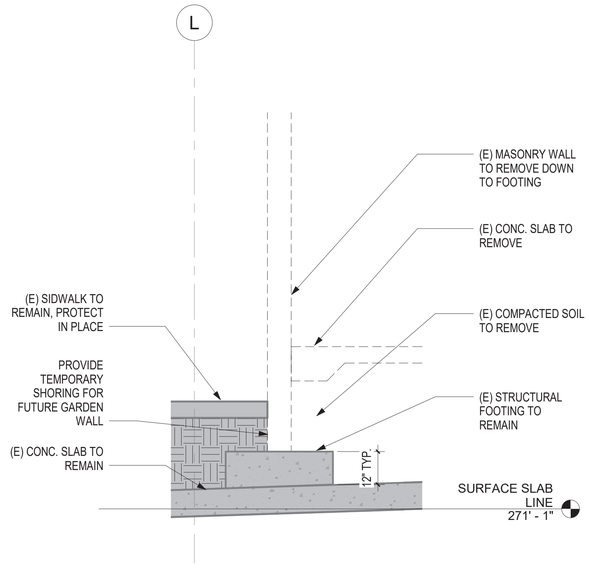
6 PAVING SECTION

SCALE: 1/2" = 1'-0"



7 AMPHITHEATER BENCH SECTION

SCALE: 1/2" = 1'-0"



4 PAVILLION WALL SECTION - WEST

SCALE: 1/2" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 9:00:47 AM

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NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

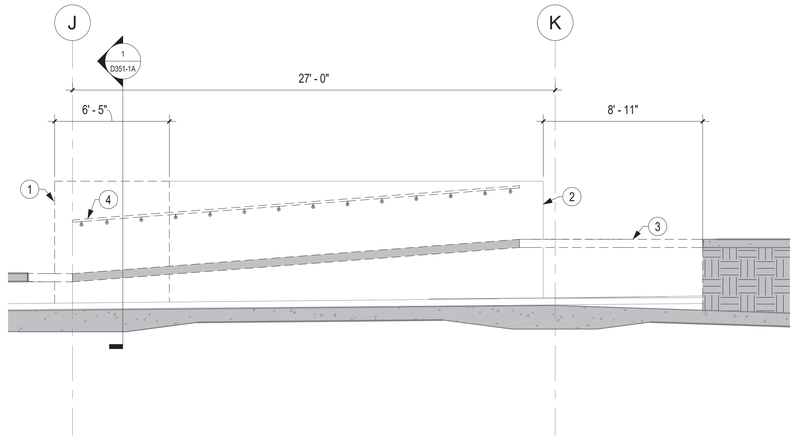
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DEMO - WALL SECTIONS

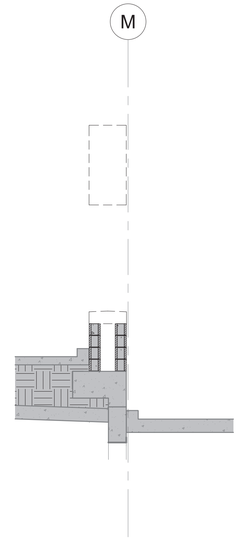
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. D361-1A
SHEET SHEETS OF

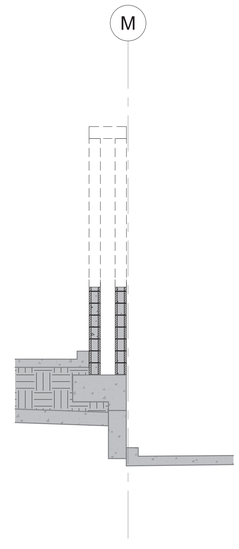
PLOTTED: 11/3/2021 9:00:47 AM



3 DEMO - PLAY AREA RAMP
SCALE: 1/4" = 1'-0"



1 DRIVE AISLE WALL AT OPENING
SCALE: 1/4" = 1'-0"



2 DRIVE AISLE WALL
SCALE: 1/4" = 1'-0"

KEYNOTES

1 REMOVE SEGMENT OF (E) RAMP WALL. CAP END AND RESURFACE TO MATCH (E).
2 REMOVE (E) RAMP AT PLAY AREA AND FILL BELOW DOWN TO (E) STRUCTURAL DECK.
3 REMOVE (E) DECK AND SOIL.
4 REMOVE (E) METAL HANDRAILS, BOTH SIDES.

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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DEMO - WALL SECTIONS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO.
D362-1A
SHEET SHEETS OF

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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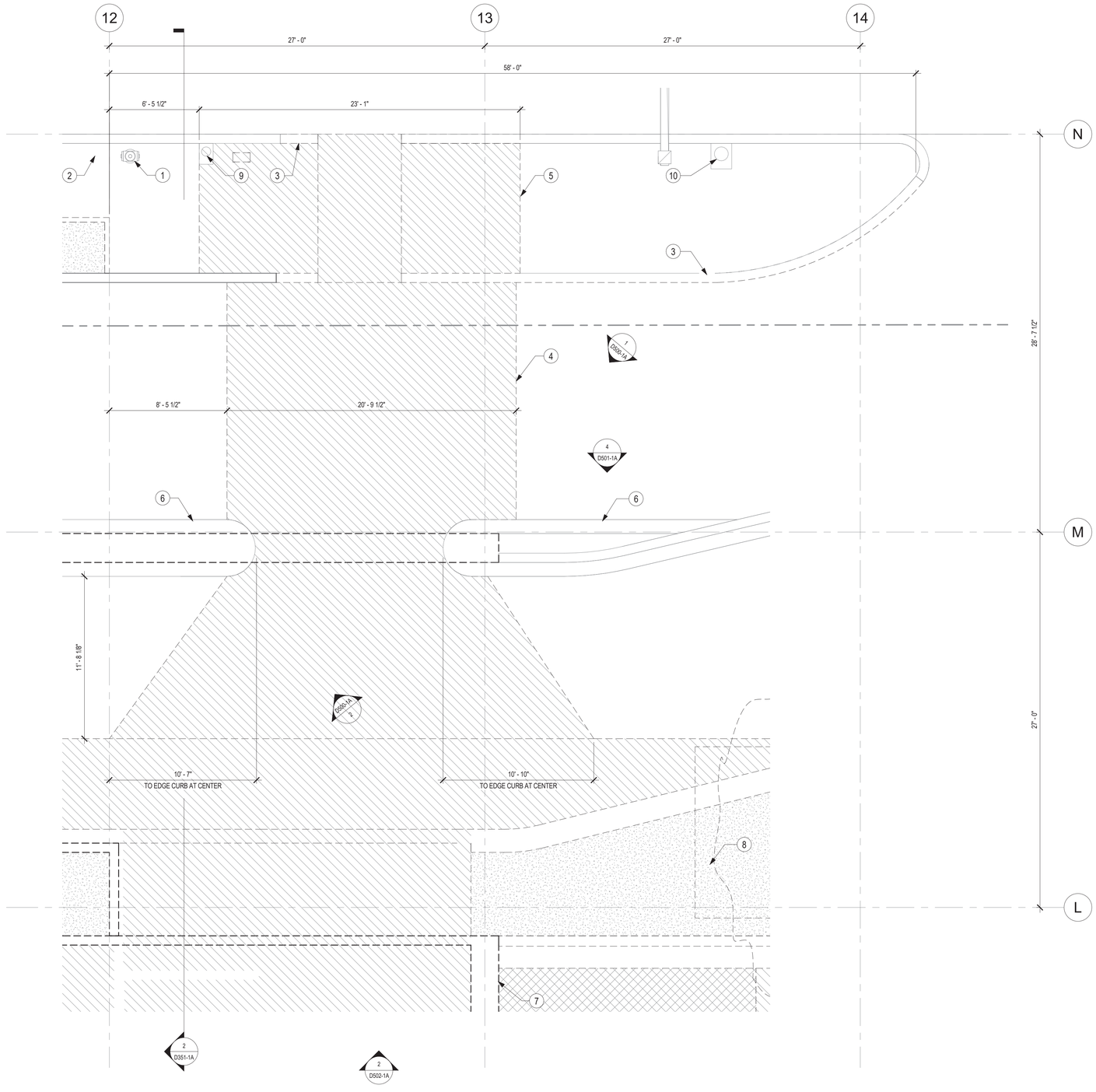

KEYNOTES

1. (E) FIRE HYDRANT. PROTECT IN PLACE.
2. PROTECT (E) WALL IN PLACE.
3. REMOVE (E) CURB.
4. REMOVE UPPER LEVEL OF DRIVEWAY AT CROSSWALK TO (E) COMPACTED SOIL FILL.
5. REMOVE (E) ACCESSIBLE RAMP DOWN TO STRUCTURAL DECK.
6. (E) CURB AND GUTTER, PROTECT IN PLACE.
7. REMOVE (E) BUILDING DOWN TO STRUCTURAL DECK AND ESCALATORS INSIDE.
8. REMOVE (E) LANDSCAPE AND SOIL DOWN TO STRUCTURAL DECK. PROVIDE TEMPORARY SHORING FOR ADJACENT SOIL.
9. (E) CROSS WALK SIGNAL. PROTECT IN PLACE.
10. (E) TRAFFIC SIGNAL. PROTECT IN PLACE.

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- HARDSCAPE TO REMOVE
- DECOMPOSED GRANITE TO REMOVE
- PLANTING TO REMOVE
- EXISTING SLAB TO REMOVE

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1 DEMO - WALKWAY AT DRIVE AISLE
SCALE: 1/4" = 1'-0"

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NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - WALKWAY AT DRIVE AISLE
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. D401-1A
SHEET OF SHEETS

PLOTTED: 11/3/2021 9:00:55 AM

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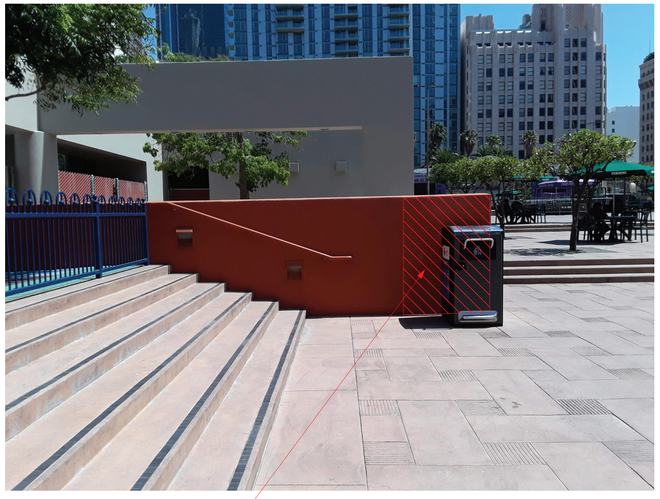

REMOVE INDICATED PORTION OF RAMP WALL, PROTECT REMAINING WALL IN PLACE, CAP END, RESURFACE TO MATCH

3 PLAYGROUND RAMP WALL PROFILE

SCALE: NOT TO SCALE



REMOVE ARCH AND COLUMN TO CURB BASE. REFINISH DEMO AREA TO MATCH ADJACENT CURB SURFACE. PROTECT (E) CURB.

REMOVE CAPSTONE AT WINDOW OPENING. REDUCE HEIGHT OF WALL TO 43" ABOVE T.O. CURB AS MEASURED FROM PARK-FACING SIDE OF WALL. WALL TO BE BUILT BACK UP TO 43" AT WINDOW AREA DURING PHASE 1A.

1 OLIVE STREET PURPLE WALL ARCH

SCALE: NOT TO SCALE



REMOVE INDICATED PORTION OF RAMP WALL, PROTECT REMAINING WALL IN PLACE, CAP END, RESURFACE.

REMOVE (E) HANDRAILS, WALL, RAMP AND COMPACTED SOIL TO STRUCTURAL DECK, PROTECT IN PLACE (E) FOOTINGS. PATCH AS NECESSARY. SEE DEMO SLAB PLAN FOR FOOTING INFORMATION.

4 PLAYGROUND RAMP WALLS

SCALE: NOT TO SCALE



REMOVE CAPSTONE AT WINDOW OPENING. REDUCE HEIGHT OF WALL TO 43" ABOVE T.O. CURB AS MEASURED FROM PARK-FACING SIDE OF WALL. WALL TO BE BUILT BACK UP TO 43" AT WINDOW AREA DURING PHASE 1A.

2 OLIVE STREET DRIVE AISLE PURPLE WALL

SCALE: NOT TO SCALE

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: DEMO IMAGE

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D500-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:01:01 AM

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5 PLAZA TELESCOPE AREA
SCALE: NOT TO SCALE



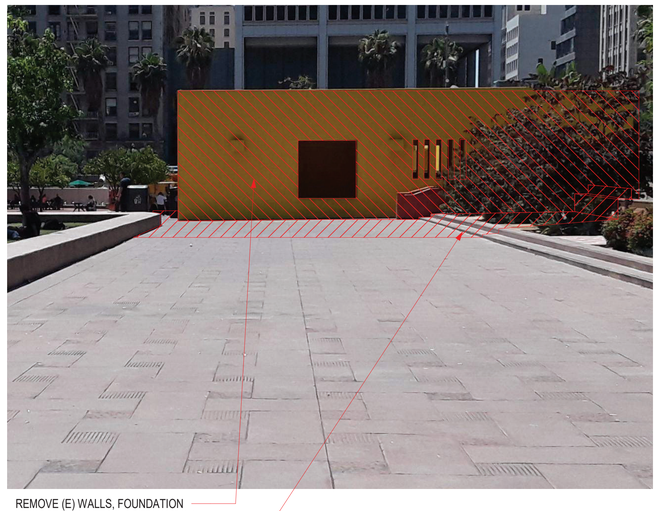
3 LOOKING NW TO ESCALATOR BUILDING
SCALE: NOT TO SCALE



1 CAGED STAIR AT OLIVE ST DRIVE AISLE
SCALE: NOT TO SCALE



4 OLIVE ST DRIVE AISLE AT FUTURE ELEVATORS
SCALE: NOT TO SCALE



2 PLAZA LOOKING WEST TO ESCALATOR BUILDING
SCALE: NOT TO SCALE

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: DEMO IMAGE
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO.
D501-1A
SHEET OF SHEETS

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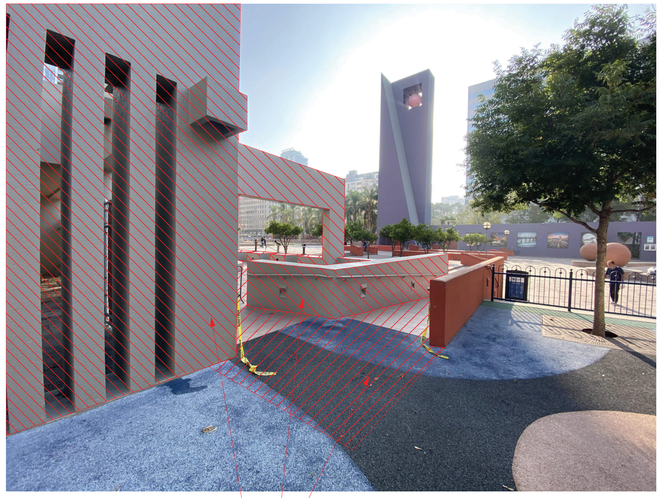
REVISION DATES (DESIGN STAGE ONLY)

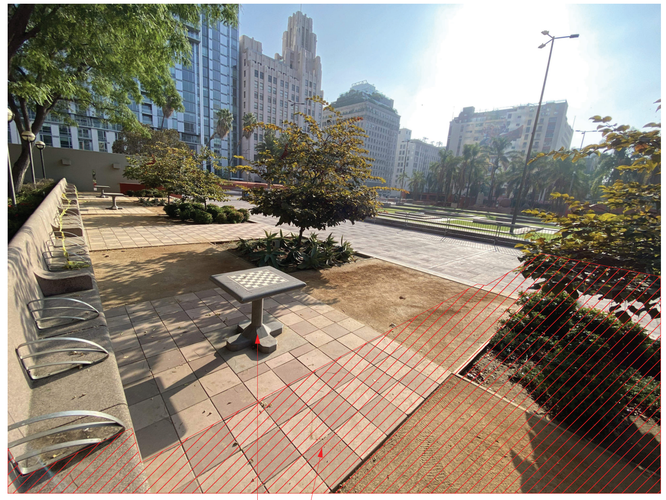


REMOVE (E) WALLS, FOUNDATION AND COMPACTED SOIL DOWN TO (E) FOOTINGS.

REMOVE (E) HANDRAILS, WALL, RAMP AND COMPACTED SOIL DOWN TO STRUCTURAL DECK. REPLACE ADJACENT PLAY AREA SURFACE IN KIND IF DAMAGE OCCURS DURING DEMO

5 PLAY AREA LOOKING DOWN RAMP

SCALE: NOT TO SCALE



REMOVE, PROTECT AND STORE FOR REUSE 2 (E) CHECKERBOARD TABLES WITHIN DEMO ZONE/ PROXIMITY.

REMOVE (E) DECK, STEPS, PLANTER AND RIGID COMPACTED SOIL DOWN TO (E) STRUCTURAL DECK. PATCH AS NECESSARY.

3 CHECKERBOARD PLAZA

SCALE: NOT TO SCALE



REMOVE (E) CURB AND PLANTER.

PROTECT (E) WALL IN PLACE.

PROTECT (E) PALM TREES AND ADJACENT SOIL IN PLACE.

1 PLANTINGS/ CURB TO REMOVE AT OLIVE STREET

SCALE: NOT TO SCALE



REMOVE (E) WALLS, FOUNDATION AND COMPACTED SOIL DOWN TO (E) STRUCTURAL DECK

REMOVE (E) PLANTER, PLANTS AND CURB.

4 PLANTER AT CAGED STAIR DRIVE AISLE

SCALE: NOT TO SCALE



REMOVE CAPSTONE AT WINDOW OPENING. REDUCE HEIGHT OF WALL TO 43" ABOVE T.O. CURB AS MEASURED FROM PARK-FACING SIDE OF WALL. PATCH AS NECESSARY. WALL TO BE BUILT BACK UP TO 43" AT WINDOW AREA DURING PHASE 1A.

REMOVE (E) WALKWAY AND DRIVE AS SHOWN.

2 DRIVE AISLE WALKWAY

SCALE: NOT TO SCALE

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ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: DEMO IMAGE

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. D502-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 9:01:16 AM

GENERAL NOTES:

1. WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION AND SUPPLEMENTS, THE UNIFORM BUILDING CODE (EXCAVATION AND GRADING), AND CITY OF LOS ANGELES LOCAL ORDINANCES AS APPLICABLE.
2. EXISTING TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM A SURVEY DATED AUGUST 21, 2019 BY KPFF CONSULTING ENGINEERS.
3. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
7. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL JOIN CONDITIONS FOR GRADING AND DRAINAGE. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
8. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
9. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
10. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
11. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
12. IF AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
13. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.
14. STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
15. ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
16. ALL FILL SOILS OR SOILS DISTURBED OR OVEREXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOILS REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
17. THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER.
18. DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
19. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.
20. THRUST BLOCKS SHALL BE INSTALLED AT WATERLINE HORIZONTAL AND VERTICAL BENDS, TEES, CAPPED ENDS AND REDUCERS ACCORDING TO THE DETAILS PROVIDED ON THESE PLANS.
21. CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR.
22. THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
23. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT (800-227-2600) PRIOR TO EXCAVATION.
24. ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF.
25. ALL CURB DIMENSIONS AND RADII ARE TO PAVEMENT FACE OF CURB.
26. CONTRACTOR TO BE AWARE OF ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
27. WATER SHALL BE PROVIDED ONSITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
28. CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS FROM THE CITY OF LOS ANGELES FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
29. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
30. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

LEGEND:

GENERAL
- CIVIL LIMITS OF WORK

ANNOTATION
- 100.00 XX — SURFACE ELEVATION/UTILITY ELEVATION
- (100.00 XX) — EXISTING SURFACE ELEVATION/UTILITY ELEVATION
- XX — CONSTRUCTION NOTE
- 2.0% — FLOW (DIRECTION AND GRADE)
- 2:1 — SLOPE (DIRECTION AND RUN:RISE)
- XX — HORIZONTAL CONTROL POINT LABEL
- CX — CURVE DATA LABEL
- FF=100.00 — PAD/FINISHED FLOOR ELEVATION

SITE
- CURB/BACK OF CURB/GUTTER
- RETAINING WALL/SITE WALL
- PROPERTY LINE/RIGHT OF WAY
- CENTER LINE
- FENCE
- TO BE DEMOLISHED

EROSION CONTROL
- SANDBAGS
- FIBER ROLL
- PROPOSED BUILDING EXCAVATION OUTLINE
- EXISTING DRAINAGE DIRECTION OF FLOW
- PROTECT TREE IN PLACE

GRADING
- 100 — PROPOSED MAJOR CONTOUR
- 102 — PROPOSED MINOR CONTOUR
- FLOW LINE
- GB — GRADE BREAK LINE
- R — RIDGE LINE
- SAWCUT
- LIMITS OF GRADING

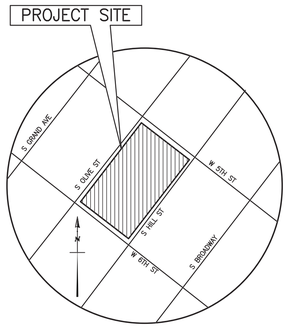
UTILITY
- SS — SANITARY SEWER
- W — WATER
- DW — DOMESTIC WATER
- FW — FIRE WATER
- SD — STORM DRAIN
- G — GAS
- E — ELECTRIC
- T — TELEPHONE
- PERFORATED PIPE
- POINT OF CONNECTION
- COORDINATION POINT
- CAP OR PLUG
- UTILITY MANHOLE
- UTILITY CLEANOUT
- STORM DRAIN INLET
- AREA DRAIN/PLANTER DRAIN
- TRENCH DRAIN
- FIRE HYDRANT
- THRUST BLOCK
- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE (PIV)
- WATER VALVE
- BACKFLOW ASSEMBLY
- UTILITY METER VAULT

ABBREVIATIONS:

AC	ASPHALTIC CONCRETE	MH	MANHOLE
BCR	BEGIN CURVE RETURN	(N)	NORTH
BW	BACK OF WALK	NTS	NOT TO SCALE
BLDG	BUILDING	PA	PLANTER AREA
BM	BENCH MARK	POC	POINT OF CONNECTION
BOS	BOTTOM OF STAIRS	PIV	POST INDICATOR VALVE
BMP	BEST MANAGEMENT PRACTICES	PCC	POINT OF COMPOUND CURVE
CB	CATCH BASIN	PRC	POINT OF REVERSE CURVE
CI	CAST IRON	PRV	PRESSURE REDUCING VALVE
CL	CENTER LINE	PVC	POLYVINYL CHLORIDE
CMU	CONCRETE MASONRY UNIT	R	RADIUS
CO	CLEANOUT	RCIP	RECTANGULAR CAST IRON PIPE
CONC	PORTLAND CEMENT CONCRETE	RD	ROOF DRAIN
CF	CURB FACE	RW	RIGHT-OF-WAY
DW	DOMESTIC WATER	(S)	SOUTH
(E)	EAST	S=	SLOPE EQUALS
ECR	END CURVE RETURN	SD	STORM DRAIN
EG	EDGE OF GUTTER	SSMH	SANITARY SEWER MANHOLE
EL. OR ELEV	ELEVATION	SS	SANITARY SEWER
ELEC	ELECTRIC, ELECTRICAL	STD	STANDARD
EX. OR EXIST.	EXISTING	SDMH	STORM DRAIN MANHOLE
FDC	FIRE DEPARTMENT CONNECTION	TC	TOP OF CURB
FF	FINISHED FLOOR	TEL	TELEPHONE
FG	FINISHED GRADE (LANDSCAPE)	TG	TOP OF GRATE
FS	FINISHED SURFACE (HARDSCAPE)	TOS	TOP OF STAIRS
FH	FIRE HYDRANT	TW	TOP OF WALL
FL	FLOW LINE	TS	TRAFFIC SIGNAL
FT	FOOT OR FEET	TSB	TRAFFIC SIGNAL BOX
FU	FIXTURE UNITS	TYP	TYPICAL
FW	FIRE WATER	TV	TELEVISION
GPM	GALLONS PER MINUTE	VIF	VERIFY IN FIELD
GV	GATE VALVE	VLT	VAULT
HDPE	HIGH DENSITY POLYETHYLENE	VCP	VITRIFIED CLAY PIPE
HP	HIGH POINT	(W)	WEST
INV.	INVERT	W	WATER
LP	LOW POINT	WM	WATER METER
MAX.	MAXIMUM	WV	WATER VALVE
MIN.	MINIMUM		

PATTERN LEGEND:

- PLANTER AREA/LANDSCAPE (REFER TO LANDSCAPING PLANS FOR DETAILS)
- CONCRETE PAVEMENT
- TRUNCATED DOMES (REFER TO SHEET C500-1 FOR DETAILS)
- ASPHALT FULL DEPTH REPLACEMENT
- ASPHALT GRIND AND OVERLAY
- CONCRETE UNIT PAVERS (REFER TO LANDSCAPING PLANS FOR DETAILS)
- PERMAVOID (ALTERNATE) (REFER TO SHEET C500-1 AND LANDSCAPING PL FOR DETAILS)



VICINITY MAP
NOT TO SCALE
THOMAS GUIDE **LOS ANGELES** EDITION

PROJECT DIRECTORY:

ARCHITECT:
GRUEN ASSOCIATES
6330 SAN VICENTE BOULEVARD, SUITE 200
LOS ANGELES, CA 90048
TEL: 323.937.4270R]
FAX: 323.937.6001
CONTACT: JOHN ANDERSON

LANDSCAPE ARCHITECT:
AGENCE TER
1149 S BROADWAY, SUITE 600
LOS ANGELES, CA 90015
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CIVIL ENGINEER:
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700 SOUTH FLOWER STREET
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LOS ANGELES, CA 90017
TEL: 213.418.0201
FAX: 213.266.5294
CONTACT: MIRIAM HUSTON

MECHANICAL/ELECTRICAL/PLUMBING ENGINEER:
DHA + CALPEC
150 S ARROYO PKWY, SUITE 100
FAY: PASADENA, CA 91105
TEL: (626) 445-8580

SURVEYOR:
KPFF CONSULTING ENGINEERS
700 SOUTH FLOWER STREET
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TEL: 213.418.0201
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CONTACT: CHRIS JONES

SHEET INDEX:

CIVIL DRAWINGS	
C001-1A	TITLE SHEET
C100-1	SURVEY (FOR REFERENCE ONLY)
C101-1	SURVEY (FOR REFERENCE ONLY)
C102-1	SURVEY (FOR REFERENCE ONLY)
C110-1	EROSION CONTROL AND DEMOLITION PLAN
C120-1A	PHASE 1A GRADING AND DRAINAGE PLAN
C121-1A	PHASE 1A GRADING SECTIONS
C500-1A	CIVIL DETAILS

BUREAU OF ENGINEERING — OFFICIAL RECORD

STORM WATER POLLUTION CONTROL
(2020 Los Angeles Green Building Code)

FORM GRN 1

LA DBS DEPARTMENT OF BUILDING AND SAFETY

Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Construction Projects

The following notes shall be incorporated in the approved set of construction/grading plans and represents the minimum standards of good housekeeping which must be implemented on all construction projects.

Construction means constructing, clearing, grading or excavation that result in soil disturbance. Construction includes structure teardown (demolition). It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility; emergency construction activities required to immediately protect public health and safety; interior remodeling with no outside exposure of construction material or construction waste to storm water; mechanical permit work; or sign permit work. (Order No. 01-182, NPDES Permit No. CAS004001 – Part 5: Definitions)

1. Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via sheet flow, swales, area drains, natural drainage or wind.
2. Stockpiles of earth and other construction-related materials shall be covered and/or protected from being transported from the site by wind or water.
3. Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall not contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall not be washed into the drainage system.
4. Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained on the project site.
5. Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain concrete waste on-site until it can be appropriately disposed of or recycled.
6. Trash and construction –related solid wastes must be deposited into a covered receptacle to prevent contamination of storm water and dispersal by wind.
7. Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the street/public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.
8. Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be properly located to collect all tributary site runoff.
9. Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be conveyed to the street and the storm drain system provided that an approved filtering system is installed and maintained on-site during the construction duration.

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

(Rev. 01/01/20) Page **1** of **1** www.ladbs.org

1-800-227-2600
CALL USA/SC FOR UNDERGROUND LOCATING 48 HOURS BEFORE YOU DIG!

IMPORTANT NOTICE
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIGALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG

GRUEN ASSOCIATES — ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agence ter — PAYSAGISTES URBANISTES

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. -

MF-300492

NO.	REVISIONS:	DATE:	BY:
1		11/08/2021	CT
2		12/16/2021	

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — LIC. NO. C75902
ARCHITECTURAL DIVISION
ENGINEER: BRIAN POWERS — DESIGNED BY: KPFF CONSULTING ENGINEERS
DRAWN BY: DC
CHECKED BY: MH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

REGISTERED PROFESSIONAL ENGINEER — BRIAN FREDERICK POWERS — No. C75902 — 6/30/22 — CIVIL — STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: TITLE SHEET
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C001-1A
SHEET 1 OF SHEETS 8

PLOTTED:

DESIGN SURVEY

LEGAL DESCRIPTION

(CHICAGO TITLE COMPANY ORDER NO. 00112108-994-LT2-KD DATED JUNE 10, 2019)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF LOS ANGELES, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

ALL OF BLOCK 15 IN ORD'S SURVEY, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 53 PAGES 66 TO 73 INCLUSIVE OF MISCELLANEOUS RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 5149-031-900

EXCEPTIONS

(CHICAGO TITLE COMPANY ORDER NO. 00112108-994-LT2-KD DATED JUNE 10, 2019)

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORDS.

2. EASEMENTS OVER THOSE PORTIONS OF SAID LAND INCLUDED WITHIN THE STREETS OR SIDEWALKS, AS NOW ESTABLISHED, OF HILL STREET, OLIVE STREET, FIFTH STREET AND SIXTH STREET, FOR STREET, UTILITIES, PUBLIC UTILITIES AND INCIDENTAL PURPOSES.

⟨3⟩ A LEASEHOLD AS CREATED BY THAT CERTAIN LEASE DATED SEPTEMBER 22, 1950, EXECUTED BY THE CITY OF LOS ANGELES, ACTING BY AND THROUGH ITS BOARD OF RECREATION AND PARK COMMISSIONERS, AS LESSOR, AND CITY PARK GARAGE, INC., A CALIFORNIA CORPORATION, AS LESSEE, AND RECORDED JANUARY 29, 1951 AS INSTRUMENT NO. 3458 IN BOOK 35435 PAGE 198 OF OFFICIAL RECORDS FOR THE TERM OF 50 YEARS, UPON AND SUBJECT TO ALL OF THE PROVISIONS THEREIN CONTAINED, AND AS CONTAINED IN THE MODIFICATION OF SAID LEASE EXECUTED BY SAID PARTIES, RECORDED JANUARY 29, 1951 AS INSTRUMENT NO. 3459 IN BOOK 35435 PAGE 242 OF OFFICIAL RECORDS.

THE PRESENT OWNERSHIP OF THE LEASEHOLD CREATED BY SAID LEASE AND OTHER MATTERS AFFECTING THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN.

⟨4⟩ THE TERMS AND PROVISIONS OF THAT CERTAIN PERMIT BY RELATING TO A PEDESTRIAN TUNNEL UNDER SIXTH STREET BETWEEN HILL STREET AND OLIVE STREET, RECORDED DECEMBER 15, 1967 AS INSTRUMENT NO. 4381, OF OFFICIAL RECORDS.

REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

5. A NOTICE THAT SAID LAND IS INCLUDED WITHIN A PROJECT AREA OF THE REDEVELOPMENT AGENCY SHOWN BELOW, AND THAT PROCEEDINGS FOR THE REDEVELOPMENT OF SAID PROJECT HAVE BEEN INSTITUTED UNDER THE REDEVELOPMENT LAW (SUCH REDEVELOPMENT TO PROCEED ONLY AFTER THE ADOPTION OF THE REDEVELOPMENT PLAN) AS DISCLOSED BY A DOCUMENT

RECORDING DATE:	JULY 22, 1975
RECORDING NO:	3675, OF OFFICIAL RECORDS
REDEVELOPMENT AGENCY:	CITY OF LOS ANGELES
AND RECORDING DATE:	JULY 30, 1975
AND RECORDING NO:	3868, OF OFFICIAL RECORDS

AN AGREEMENT TO MODIFY THE TERMS AND PROVISIONS OF THE SAID DOCUMENT, AS THEREIN PROVIDED

RECORDING DATE: NOVEMBER 30, 2007

RECORDING NO: 20072636434, OF OFFICIAL RECORDS

6. A LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS SET FORTH THEREIN.

DATED:	AUGUST 1, 1992
LESSOR:	THE CITY OF LOS ANGELES, A CHARTER CITY ORGANIZED AND EXISTING PURSUANT TO ITS CHARTER AND THE CONSTITUTION AND LAWS OF THE STATE OF CALIFORNIA, ACTING ON BEHALF OF ITSELF AND THROUGH ITS BOARD OF RECREATION AND PARKS COMMISSIONERS
LESSEE:	MUNICIPAL IMPROVEMENT CORPORATION OF LOS ANGELES, A CALIFORNIA NON-PROFIT PUBLIC BENEFIT CORPORATION
RECORDING DATE:	AUGUST 20, 1992
RECORDING NO:	92-1551790 OF OFFICIAL RECORDS

AN AGREEMENT TO MODIFY CERTAIN PROVISIONS OF SAID LEASE, AS SET FORTH IN THE DOCUMENT

RECORDING DATE:	APRIL 4, 2002
RECORDING NO:	02-795057, OF OFFICIAL RECORDS

THE PRESENT OWNERSHIP OF THE LEASEHOLD CREATED BY SAID LEASE AND OTHER MATTERS AFFECTING THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN.

AFFECTS: THE SURFACE OF AND THE AIRSPACE ABOVE SAID PERSHING SQUARE

7. A LEASE WITH CERTAIN TERMS, COVENANTS, CONDITIONS AND PROVISIONS SET FORTH THEREIN.

DATED:	AUGUST 1, 1992
LESSOR:	MUNICIPAL IMPROVEMENT CORPORATION OF LOS ANGELES, A CALIFORNIA NON-PROFIT PUBLIC BENEFIT CORPORATION
LESSEE:	THE CITY OF LOS ANGELES, A CHARTER CITY ORGANIZED AND EXISTING PURSUANT TO ITS CHARTER AND THE CONSTITUTION AND LAWS OF THE STATE OF CALIFORNIA, ACTING ON BEHALF OF ITSELF AND THROUGH ITS BOARD OF RECREATION AND PARKS COMMISSIONERS
RECORDING DATE:	AUGUST 20, 1992
RECORDING NO:	92-1551791 OF OFFICIAL RECORDS

AMONG OTHER THINGS, SAID LEASE PROVIDES FOR:

AN OPTION TO PURCHASE

AN AGREEMENT TO MODIFY CERTAIN PROVISIONS OF SAID LEASE, AS SET FORTH IN THE DOCUMENT

RECORDING DATE: APRIL 4, 2002

RECORDING NO: 02-795058, OF OFFICIAL RECORDS

AN AGREEMENT TO MODIFY CERTAIN PROVISIONS OF SAID LEASE, AS SET FORTH IN THE DOCUMENT

RECORDING DATE:	APRIL 4, 2002
RECORDING NO:	02-795059, OF OFFICIAL RECORDS

THE PRESENT OWNERSHIP OF THE LEASEHOLD CREATED BY SAID LEASE AND OTHER MATTERS AFFECTING THE INTEREST OF THE LESSEE ARE NOT SHOWN HEREIN.

AFFECTS: THE SURFACE OF AND THE AIRSPACE ABOVE SAID PERSHING SQUARE

8. THE TERMS AND PROVISIONS OF AN INSTRUMENT ENTITLED "ASSIGNMENT AGREEMENT", BY AND BETWEEN MUNICIPAL IMPROVEMENT CORPORATION OF LOS ANGELES AND BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, AS TRUSTEE, DATED AUGUST 1, 1992 AND RECORDED AUGUST 20, 1992 AS INSTRUMENT NO. 92-1551792, OF OFFICIAL RECORDS.

AFFECTS: THE SURFACE OF AND THE AIRSPACE ABOVE SAID PERSHING SQUARE

9. PLEASE BE ADVISED THAT OUR SEARCH DID NOT DISCLOSE ANY OPEN DEEDS OF TRUST OF RECORD. IF YOU SHOULD HAVE KNOWLEDGE OF ANY OUTSTANDING OBLIGATION, PLEASE CONTACT THE TITLE DEPARTMENT IMMEDIATELY FOR FURTHER REVIEW PRIOR TO CLOSING.

10. MATTERS WHICH MAY BE DISCLOSED BY AN INSPECTION AND/OR BY A CORRECT ALTA/NSPS LAND TITLE SURVEY OF SAID LAND THAT IS SATISFACTORY TO THE COMPANY, AND/OR BY INQUIRY OF THE PARTIES IN POSSESSION THEREOF.

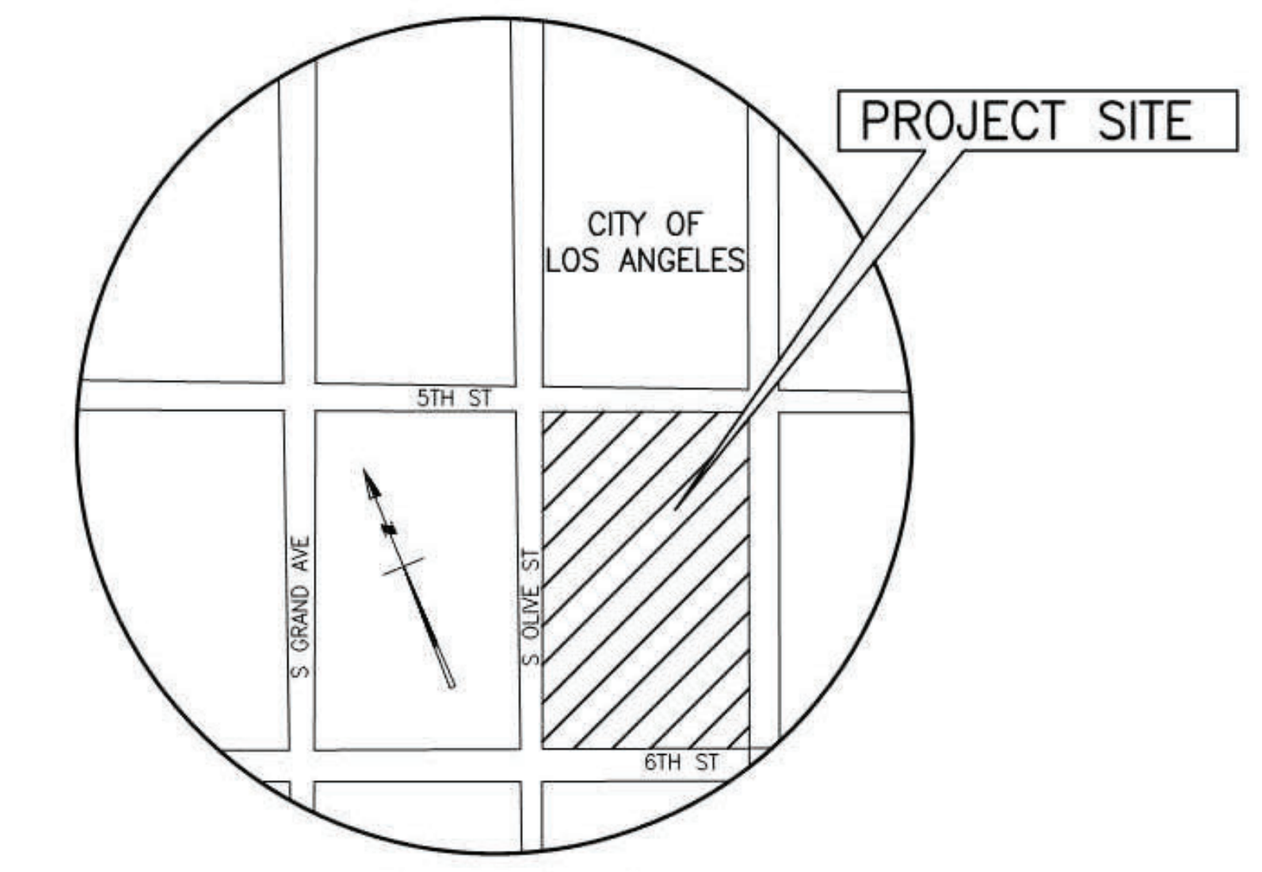
11. ANY RIGHTS OF THE PARTIES IN POSSESSION OF A PORTION OF, OR ALL OF, SAID LAND, WHICH RIGHTS ARE NOT DISCLOSED BY THE PUBLIC RECORDS.

THE COMPANY WILL REQUIRE, FOR REVIEW, A FULL AND COMPLETE COPY OF ANY UNRECORDED AGREEMENT, CONTRACT, LICENSE AND/OR LEASE, TOGETHER WITH ALL SUPPLEMENTS, ASSIGNMENTS AND AMENDMENTS THERETO, BEFORE ISSUING ANY POLICY OF TITLE INSURANCE WITHOUT EXCEPTING THIS ITEM FROM COVERAGE.

THE COMPANY RESERVES THE RIGHT TO EXCEPT ADDITIONAL ITEMS AND/OR MAKE ADDITIONAL REQUIREMENTS AFTER REVIEWING SAID DOCUMENTS.

COMMENTS

DATES OF SURVEY . . .	MAY 19, 21, 28, 29, 30 AND JUNE 1, 2019
SITE ADDRESS	530 S OLIVE ST LOS ANGELES, CA 90013
APN NO.	5149-031-900
BOUNDARY LINES . . .	WERE ESTABLISHED FROM THE RECOVERED CITY, COUNTY AND/OR PRIVATE ENGINEER MONUMENTS WHOSE CHARACTER AND SOURCE ARE SO NOTED ON THE SURVEY.
BASIS OF BEARINGS . .	THE BEARING OF S37°51'00"W ALONG THE CENTERLINE OF OLIVE STREET AS SHOWN ON THE MAP OF TRACT NO. 6289, AS RECORDED IN MAP BOOK 55, PAGE 71, WAS TAKEN AS THE BASIS OF BEARINGS FOR THIS SURVEY.
BENCHMARK . .	BM: 12-06751 SPK N CURB FIFTH ST; 14.3 FT E/0 BCR E/0 OLIVE ST
	EL: 274.028 NAVD 1988 ; ADJ 2000
⟨#⟩.	INDICATES PRELIMINARY TITLE REPORT SCHEDULE B EXCEPTION NUMBER PLOTTED HEREON.
LAND AREA . .	GROSS: 193,247 SQ. FT. OR 4.436 ACRES NET: 193,247 SQ. FT. OR 4.436 ACRES
UTILITIES	ALL VISIBLE ABOVE-GROUND UTILITY FEATURES SHOWN ON THIS MAP WERE OBTAINED BY CONVENTIONAL MEANS. ABOVE-GROUND UTILITIES WERE COMBINED WITH CITY OF LA SUBSTRUCTURE MAPS TO PLOT UNDERGROUND UTILITY LINES SHOWN HEREON. NO REPRESENTATION IS MADE AS TO THE COMPLETENESS OF SAID UTILITY INFORMATION AND ANY USER OF THIS INFORMATION SHOULD CONTACT THE UTILITY OR GOVERNMENT AGENCY DIRECTLY.
AERIAL SURVEY	EXISTING TOPOGRAPHIC INFORMATION SHOWN IN GRAYSCALE PROVIDED BY ROBERT J. LUNG & ASSOCIATES USING PHOTOGRAMMETRIC METHODS. NO REPRESENTATION IS MADE AS TO THE COMPLETENESS OR ACCURACY OF SAID INFORMATION.
	DATE OF PHOTOGRAPHY MAY 17, 2019
FLOOD INSURANCE RATE MAP.	ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PER FLOOD INSURANCE RATE MAP (FIRM) MAP PANEL MAP NO. 06037C1636G EFFECTIVE DATE DECEMBER 21, 2018.
ZONING INFORMATION .	OS-1XL; INFORMATION FROM ZIMAS.LACITY.ORG



VICINITY MAP
(NOT TO SCALE)

BUREAU OF ENGINEERING
OFFICIAL RECORD

LINETYPES

BUILDING FOOTPRINT
BUILDING OVERHANG LINE
CENTERLINE
CHAINLINK FENCE
CURB
EASEMENT LINE
EDGE OF GUTTER
FLOWLINE
GRADE BREAK
LOT LINE
PROPERTY LINE
RIGHT OF WAY LINE
COMMUNICATIONS UTILITY LINE
ELECTRIC UTILITY LINE
GAS UTILITY LINE
OVERHEAD UTILITY LINE
SANITARY SEWER LINE
STORM DRAIN LINE
TELEPHONE UTILITY LINE
WATER UTILITY LINE
WALL
WOOD FENCE
WROUGHT IRON FENCE

LEGEND

AREA DRAIN - SQUARE
AREA DRAIN - CIRCLE
AREA LIGHT
BOLLARD
CURB DRAIN
ELECTRIC MANHOLE
ELECTRIC PULLBOX
FIRE DEPARTMENT CONNECTION
FIRE HYDRANT
GAS VALVE
GAS METER
GUY WIRE
IRRIGATION CONTROL BOX
IRRIGATION CONTROL VALVE
PALM
PARKING METER
RISER
ROOF DRAIN
SEWER CLEAN OUT
SEWER MANHOLE
SIGN
SPRINKLER
STORM DRAIN MANHOLE
STREET LIGHT
STREET LIGHT PULLBOX
TELEPHONE MANHOLE
TREE
UNIDENTIFIED PULLBOX
UNIDENTIFIED CABINET
UNIDENTIFIED CLEAN OUT
UNIDENTIFIED MANHOLE
UNIDENTIFIED CONTROL VALVE
VENT
WATER MANHOLE
WATER METER
WATER VALVE

ABBREVIATIONS

AC	ASPHALT CONCRETE
AD	AREA DRAIN
APRN	APRON
BFP	BACK FLOW PREVENTER
BX	CURB TRANSITION BOTTOM
℄	CENTERLINE
CATV	CABLE TV
CB	CATCH BASIN
CBW	CONCRETE BLOCK WALL
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY WALL
COM	COMMUNICATIONS
CONC	CONCRETE
DI	DROP INLET
EG	EDGE OF GUTTER
ELP	ELECTRICAL PANEL
ELV	ELECTRICAL VAULT
EOC	EDGE OF CONCRETE
EXMR	ELECTRICAL TRANSFORMER
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FL	FLOW LINE
FS	FINISHED SURFACE (HARDSCAPE)
GB	GRADE BREAK
GV	GAS VALVE
HCR	HANDICAP RAMP
INV	INVERT OF PIPE
CEFB	LOS ANGELES CITY ENGINEER FIELD BOOK
LACo	LOS ANGELES COUNTY
LA	LANDSCAPE AREA
ℙ	PROPERTY LINE
PWFB	PUBLIC WORKS FIELD BOOK (LA COUNTY)
SCO	SEWER CLEANOUT
SDMH	STORM DRAIN MANHOLE
SLPB	STREET LIGHT PULLBOX
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SSMH	SANITARY SEWER MANHOLE
SSM	STANDARD SURVEY MONUMENT WELL
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TX	CURB TRANSITION TOP
TYP.	TYPICAL
UNK	UNKNOWN
VG	VALLEY GUTTER
VCP	VITRIFIED CLAY PIPE
VLT	VAULT
WVLT	WATER VAULT
WV	WATER VALVE

PREPARED UNDER THE DIRECTION OF:

04/08/2021

CHRISTOPHER JONES, LS 8193
CHRIS.JONES@KPFF.COM

LICENSED LAND SURVEYOR CHRISTOPHER M. JONES No.8193 STATE OF CALIFORNIA

NO.	DATE	REVISIONS
6		
5		
4		
3		
2		
1	2021-04-07	UPDATE ABBREVIATION LEGEND

PROJECT #	1600344
DATE PREPARED	10/22/2019
DRAWN BY	FC
CHECKED BY	CJ

PERSHING SQUARE

PREPARED FOR:
MR. EDUARDO SANTANA
PERSHING SQUARE RENEW, INC.
448 SOUTH HILL STREET, SUITE 408
LOS ANGELES, CA 90013

kpff
700 FLOWER ST., Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
F: 213.266.5294
www.kpff.com

SHEET 1 OF 3

L:\2016\1600344 Pershing Square Survey\Survey\DWG\Design Survey\1600344-SV-DS.dwg 10/22/2019

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ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

REGISTERED PROFESSIONAL ENGINEER BRIAN FREDERICK POWERS No. C75902 Exp. 6/30/22 CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

		DATE:
ENGINEER: BRIAN POWERS	LIC. NO. C75902	12/16/2021
DESIGNED BY: KPFF CONSULTING ENGINEERS		
DRAWN BY: DC		
CHECKED BY: MH		
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SURVEY (FOR REFERENCE ONLY)

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

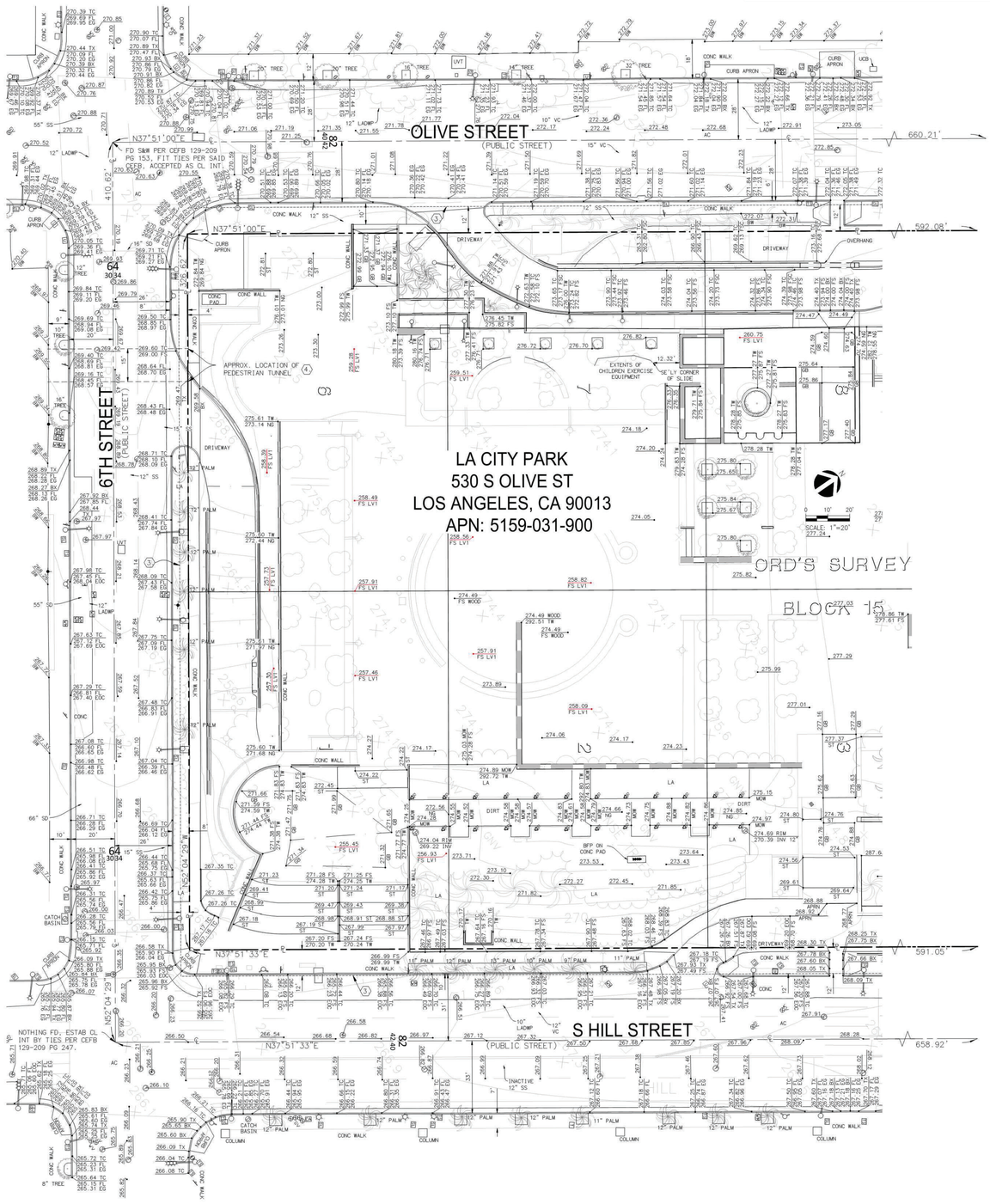
PLAN FILE NO.

DRAWING NO.
C100-1

SHEET 2 OF 8 SHEETS

PLOTTED:

DESIGN SURVEY



LINETYPES

- BUILDING FOOTPRINT
- BUILDING OVERHANG LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB
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- TELEPHONE UTILITY LINE
- WATER UTILITY LINE
- WALL
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LEGEND

- AREA DRAIN – SQUARE
- AREA DRAIN – CIRCLE
- AREA LIGHT
- BOLLARD
- CURB DRAIN
- ELECTRIC MANHOLE
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XXXX FS LV1 INDICATES ELEVATION OF SUBTERRANEAN LEVEL 1

ABBREVIATIONS

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BUREAU OF ENGINEERING
OFFICIAL RECORD

NO.	DATE	REVISIONS
1	2021-04-07	UPDATE ABBREVIATION LEGEND
2		
3		
4		
5		
6		

PROJECT # 1600344
DATE PREPARED 10/22/2019
DRAWN BY FC
CHECKED BY CJ

PERSHING SQUARE
PREPARED FOR:
MR. EDUARDO SANTANA
PERSHING SQUARE RENEW, INC.
448 SOUTH HILL STREET, SUITE 408
LOS ANGELES, CA 90013

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700 FLOWER ST., Suite 2100
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SHEET 2 OF 3

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1			
2			
3			
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BUILDING NO. XX/XX

INDEX NO. - MF-300492

REGISTERED PROFESSIONAL ENGINEER
BRIAN FREDERICK POWERS
No. C75902
6/30/22
CIVIL
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SURVEY (FOR REFERENCE ONLY)

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

		DATE:
CITY ENGINEER	GARY LEE MOORE, PE, ENV SP	12/16/2021
	LIC. NO. C75902	
ARCHITECTURAL DIVISION		
ENGINEER: BRIAN POWERS		
DESIGNED BY: KPFF CONSULTING ENGINEERS		
DRAWN BY: DC		
CHECKED BY: MH		
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		11/08/201

WORK ORDER NO.

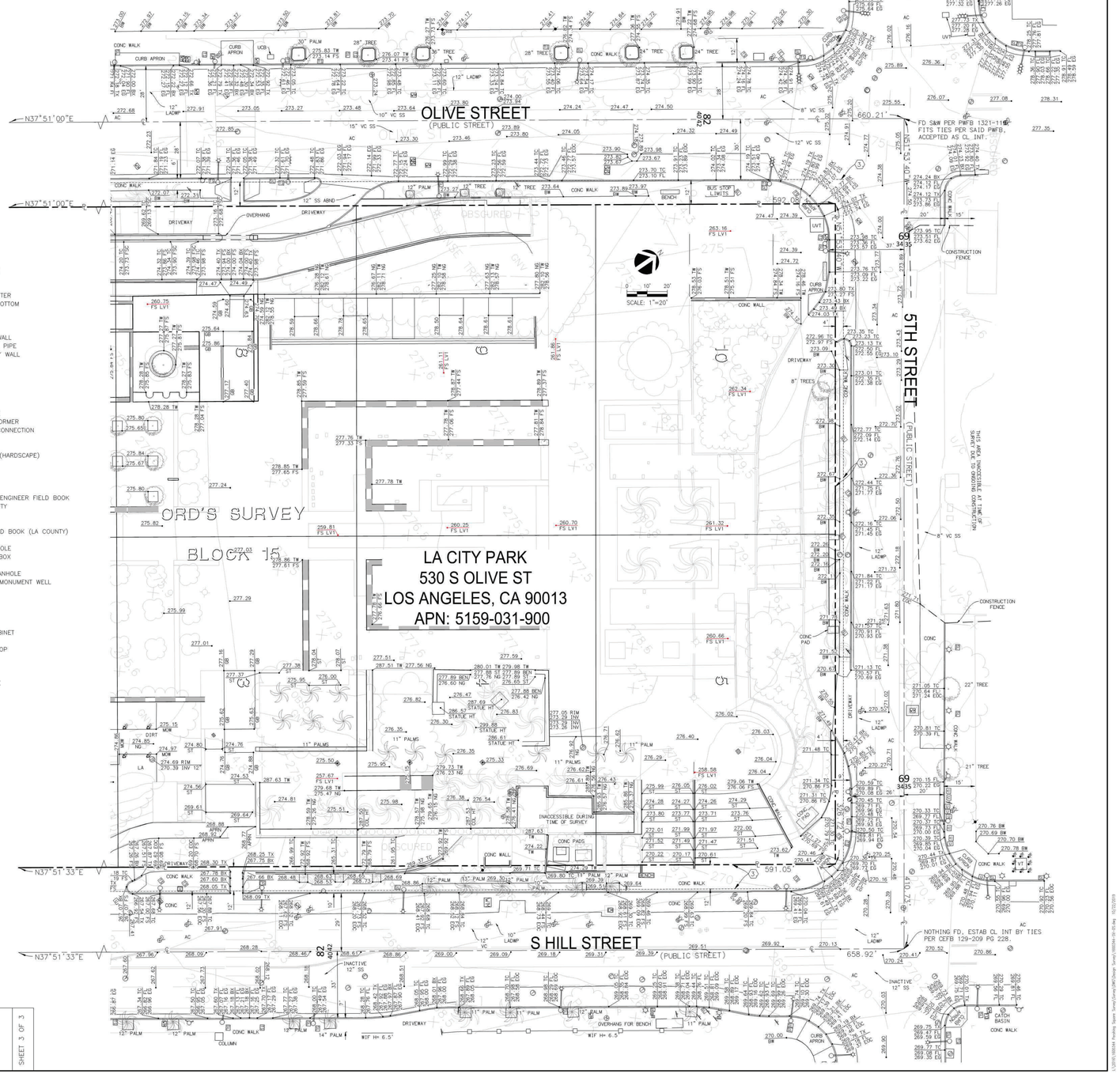
PLAN FILE NO.

DRAWING NO. C101-1

SHEET 3 OF SHEETS 8

PLOTTED:

DESIGN SURVEY



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1	2021–04–07	UPDATE ABBREVIATION LEGEND

PROJECT #	1600334
DATE PREPARED	10/22/2019
DRAWN BY	FC
CHECKED BY	CJ

PERSHING SQUARE

PREPARED FOR:

MR. EDUARDO SANTANA
PERSHING SQUARE RENEW, INC.
448 SOUTH HILL STREET, SUITE 408
LOS ANGELES, CA 90013

kpff
700 FLOWER ST., Suite 2100
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O: 213.418.0201
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SHEET 3 OF 3

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GRUEN ASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter
PAYSAGISTES URBANISTES

BUREAU OF ENGINEERING
OFFICIAL RECORD

REGISTERED PROFESSIONAL ENGINEER
BRIAN FREDERICK POWERS
No. C75902
6/30/22
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE: 12/16/2021

ENGINEER: BRIAN POWERS
ARCHITECTURAL DIVISION
LIC. NO. C75902

DESIGNED BY: KPFF CONSULTING ENGINEERS

DRAWN BY: DC

CHECKED BY: MH

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SURVEY (FOR REFERENCE ONLY)

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
530 S OLIVE ST.
LOS ANGELES, CA 90013

ADDRESS:

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
C102-1
SHEET 4 OF SHEETS 8

PLOTTED:

REVISION DATE:

REVISION DATES (DESIGN STAGE ONLY)

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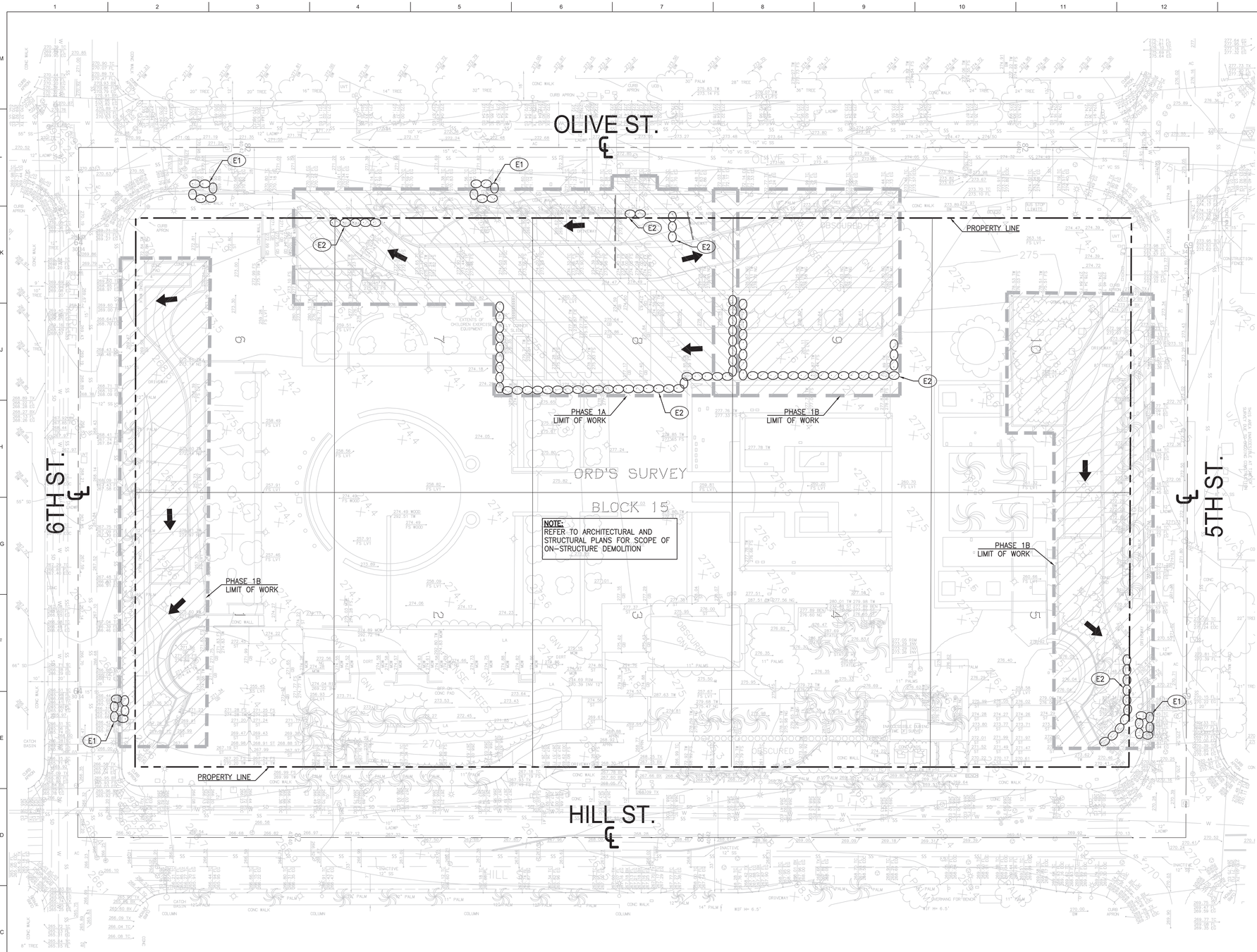


BMP NOTES:

THE FOLLOWING BMPS AS OUTLINED IN, BUT NOT LIMITED TO, THE BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORMWATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, JULY 2012, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY CITY INSPECTORS):

EROSION CONTROL

EC1-SCHEDULING
~~EC2-PRESERVATION OF EXISTING VEGETATION~~
~~EC3-HYDRAULIC MULCH~~
~~EC4-HYDROSEEDING~~
~~EC5-SOIL BINDERS~~
~~EC6-STRAW MULCH~~
~~EC7-GEOTEXTILES AND MATS~~
~~EC8-WOOD MULCHING~~
~~EC9-EARTH DIKES AND DRAINAGE SWALES~~
~~EC10-VELOCITY DISSIPATION DEVICES~~
~~EC11-SLOPE DRAINS~~
~~EC12-STREAMBANK STABILIZATION~~
~~EC13-RESERVED~~
~~EC14-COMPOST BLANKET~~
~~EC15-SOIL PREPARATION/ROUGHENING~~
~~EC16-NON-VEGETATIVE STABILIZATION~~

TEMPORARY SEDIMENT CONTROL

~~SE1-SILT FENCE~~
~~SE2-SEDIMENT BASIN~~
SE3-SEDIMENT TRAP
~~SE4-CHECK DAM~~
~~SE5-FIBER ROLLS~~
SE6-GRAVEL BAG BERM
SE7-STREET SWEEPING AND VACUUMING
~~SE8-SANDBAG BARRIER~~
~~SE9-STRAW BALE BARRIER~~
SE10-STORM DRAIN INLET PROTECTION
~~SE11-ACTIVE TREATMENT SYSTEMS~~
~~SE12-MANUFACTURED LINEAR SEDIMENT~~ CONTROLS
~~SE13-COMPOST SOCKS AND BERMS~~
~~SE14-BIOFILTER BAGS~~

EQUIPMENT TRACKING CONTROL

TC1-STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC2-STABILIZED CONSTRUCTION ROADWAY
TC3-ENTRANCE/OUTLET TIRE WASH

WIND EROSION CONTROL

WE1-WIND EROSION CONTROL

NON-STORMWATER MANAGEMENT

NS1-WATER CONSERVATION PRACTICES
NS2-DEWATERING OPERATIONS
~~NS3-PAVING AND GRINDING OPERATIONS~~
~~NS4-TEMPORARY STREAM CROSSING~~
NS5-CLEAR WATER DIVERSION
~~NS6-ILLICIT CONNECTION/DISCHARGE~~
NS7-POTABLE WATER/IRRIGATION
NS8-VEHICLE AND EQUIPMENT CLEANING
NS9-VEHICLE AND EQUIPMENT FUELING
NS10-VEHICLE AND EQUIPMENT MAINTENANCE
NS11-PILE DRIVING OPERATIONS
NS12-CONCRETE CURING
~~NS13-CONCRETE FINISHING~~
~~NS14-MATERIAL OVER WATER~~
~~NS15-DEMOLITION ADJACENT TO WATER~~
~~NS16-TEMPORARY BATCH PLANTS~~

WASTE MANAGEMENT & MATERIALS POLLUTION CONTROL

WM1-MATERIAL DELIVERY AND STORAGE
WM2-MATERIAL USE
WM3-STOCKPILE MANAGEMENT
WM4-SPILL PREVENTION AND CONTROL
WM5-SOLID WASTE MANAGEMENT
WM6-HAZARDOUS WASTE MANAGEMENT
WM7-CONTAMINATED SOIL MANAGEMENT
WM8-CONCRETE WASTE MANAGEMENT
WM9-SANITARY/SEPTIC WASTE MANAGEMENT
WM10-LIQUID WASTE MANAGEMENT

EROSION CONTROL NOTES:

1. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES TO MEET "AS GRADED" CONDITIONS.
2. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR
3. WHEN THE INSPECTOR SO DIRECTS, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.
4. STORM AND SEWER DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS.
5. EXCEPT WHEN THE INSPECTOR DIRECTS OTHERWISE, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST, AND SHALL BE MAINTAINED DURING THE RAINY SEASON (OCTOBER 15 TO APRIL 15).
6. SANDBAGS SHALL BE STOCKPILED ON SITE, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE INSPECTOR SO DIRECTS.
7. A "STANDBY EMERGENCY CREW" SHALL BE ALERTED BY THE PERMITTEE OR THE CONTRACTOR TO PERFORM EMERGENCY WORK DURING RAINSTORMS. THE PARTY TO BE CONTACTED IS:
   NAME: _____ (TO BE FILLED IN BY CONTRACTOR)
   PHONE NUMBER: _____

EROSION CONTROL NOTES:

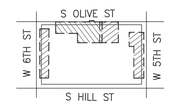
(E1) PROVIDE INLET PROTECTION PER DETAIL 1, C500-P1.

(E2) PLACE GRAVEL BAGS TRIPLE ROW PER DETAIL 2, C500-P1.

LEGEND

- LIMIT OF WORK
- PROPERTY LINE
- GRAVEL BAGS
- DIRECTION OF FLOW
- PHASE 1A LIMIT OF WORK
- PHASE 1B LIMIT OF WORK





0 15' 30'
SCALE: 1"=30'

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agencetier
PATSAISITES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

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BUILDING NO. XX/XX

INDEX NO. - MF-300492

REGISTERED PROFESSIONAL ENGINEER
BRIAN FREDERICK POWERS
No. C75902
EXP. 6/30/22
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — DATE: 11/08/2021
ARCHITECTURAL DIVISION — LIC. NO. C75902 — DATE: 12/16/2021
ENGINEER: BRIAN POWERS — CITY ENGINEERS
DESIGNED BY: KPFF CONSULTING ENGINEERS
DRAWN BY: DC
CHECKED BY: MH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EROSION CONTROL AND DEMOLITION PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C110-1

SHEET 5 OF SHEETS 8

PLOTTED:

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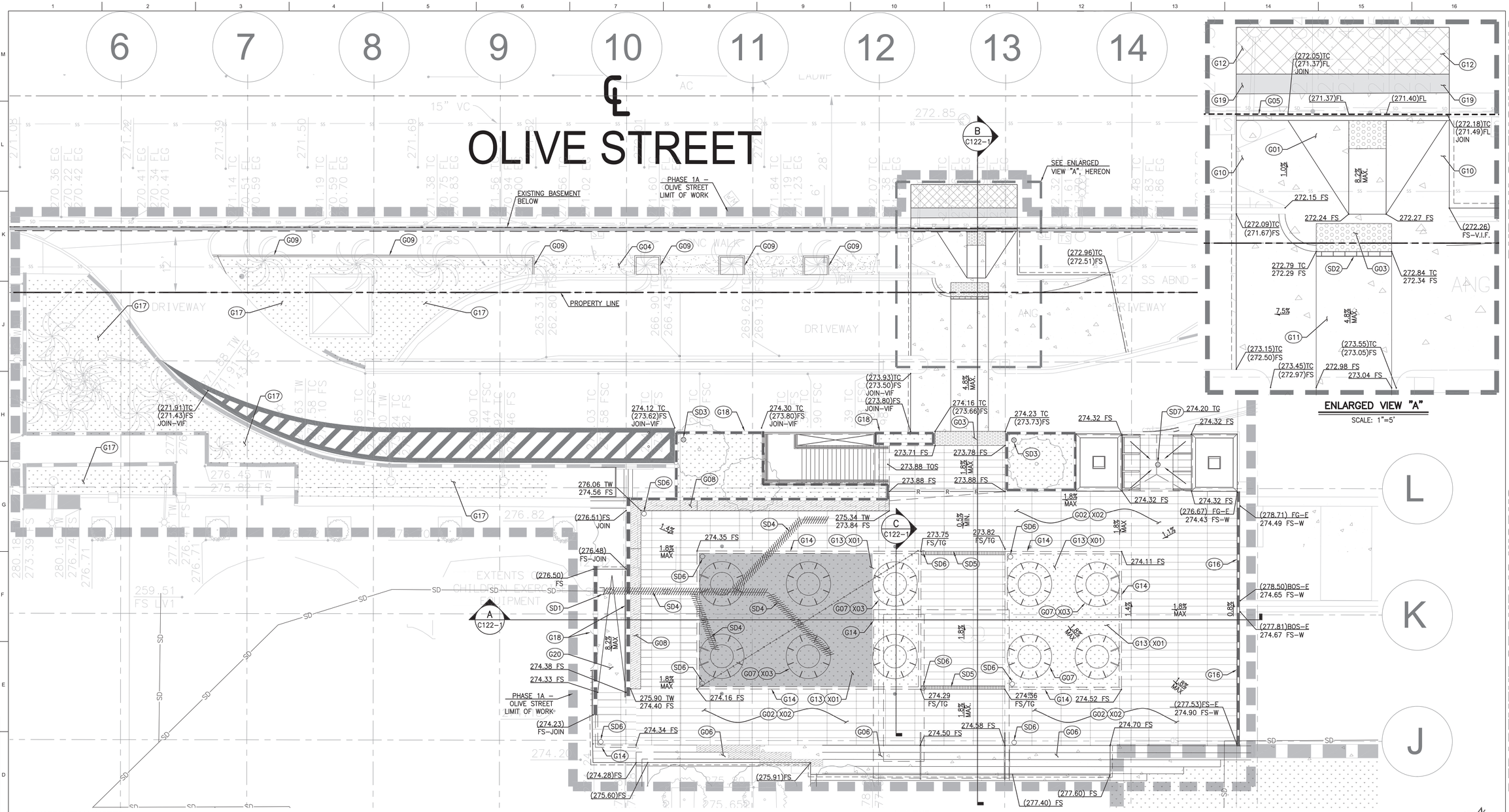
OLIVE STREET
PHASE 1A – OLIVE STREET LIMIT OF WORK
EXISTING BASEMENT BELOW
SEE ENLARGED VIEW "A", HEREON
PROPERTY LINE
DRIVEWAY
EXTENTS OF CHILDREN EXERCISE EQUIPMENT
B C122–1
C C122–1
A C122–1
(272.96)TC (272.51)FS
(271.91)TC (271.43)FS JOIN–VIF
274.12 TC (273.62)FS JOIN–VIF
274.30 TC (273.80)FS JOIN–VIF
(273.93)TC (273.50)FS JOIN–VIF
(273.80)FS JOIN–VIF
274.16 TC (273.66)FS
274.23 TC (273.73)FS
274.32 FS
274.20 TG
276.06 TW 274.56 FS
(276.51)FS JOIN
(276.48) FS–JOIN
(276.50) FS
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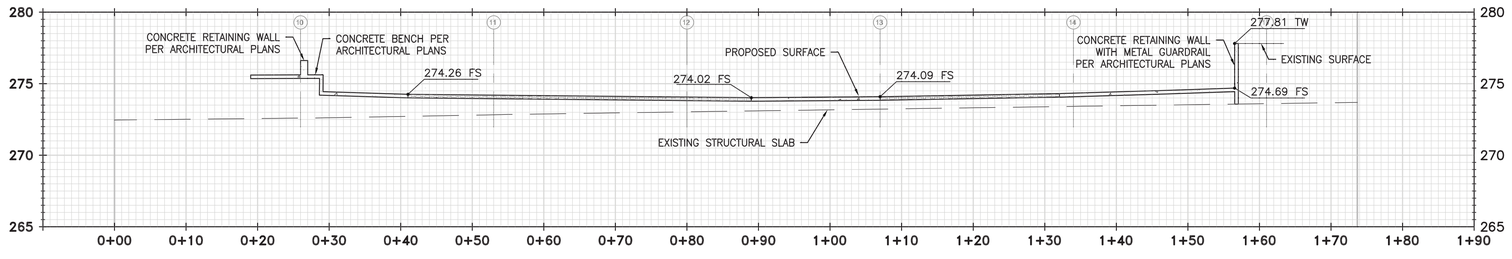
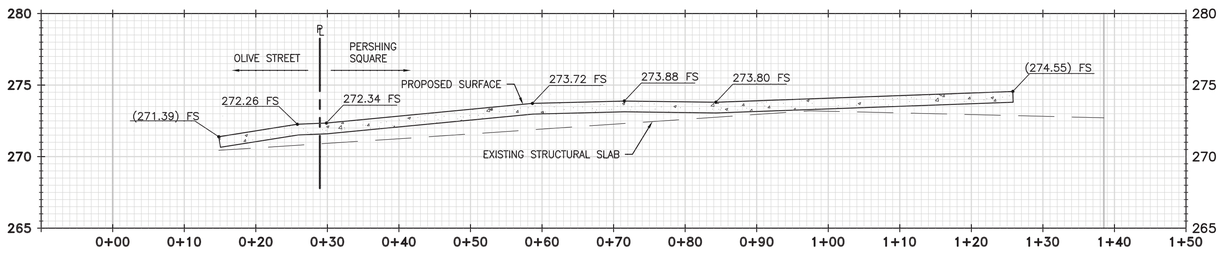
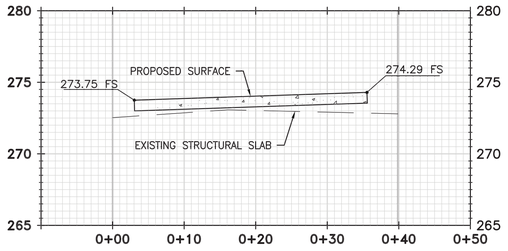
274.35 FS
273.71 FS
273.78 FS
273.88 TOS
273.88 FS
273.75 FS/TG
273.82 FS/TG
(276.67) FG–F 274.43 FS–W
(278.71) FG–F 274.49 FS–W
274.11 FS
(278.50)BOS–F 274.65 FS–W
(277.81)BOS–F 274.67 FS–W
274.38 FS
274.33 FS
275.90 TW 274.40 FS
274.16 FS
274.29 FS/TG
274.36 FS/TG
274.52 FS
(277.53)FS–F 274.90 FS–W
(274.23) FS–JOIN
274.34 FS
274.58 FS
274.50 FS
274.70 FS
(274.28)FS
(275.60)FS
(275.91)FS
(277.60) FS
(277.40) FS
1.4%
1.8% MAX
8.2% MAX.
4.8% MAX.
0.5% MIN.
1.8% MAX
1.4%
0.8%
1.8% MAX
1.8% MAX
1.8% MAX



SECTION A PH1
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=5'



SECTION B PH1
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=5'



SECTION C PH1
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=5'

NOTE:
CONTRACTOR TO VERIFY ELEVATION OF EXISTING STRUCTURAL SLAB. IF PROPOSED GRADES CONFLICT WITH THE STRUCTURAL SLAB, ENGINEER TO BE NOTIFIED.

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - **MF-300492**

REGISTERED PROFESSIONAL ENGINEER
BRIAN FREDERICK POWERS
No. C75902
EXP. 6/30/22
CIVIL
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

		LIC. NO. C75902	DATE:
ENGINEER: BRIAN POWERS			12/16/2021
DESIGNED BY: KPFF CONSULTING ENGINEERS			
DRAWN BY: DC			
CHECKED BY: MH			11/08/201
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT			

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PHASE 1A GRADING SECTIONS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence**ter**
PAYSAGISTES URBANISTES

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
C121-1A

SHEET 7 OF SHEETS 8

PLOTTED:

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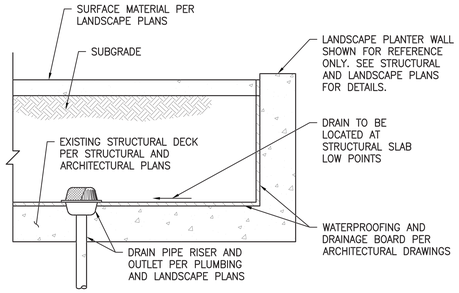
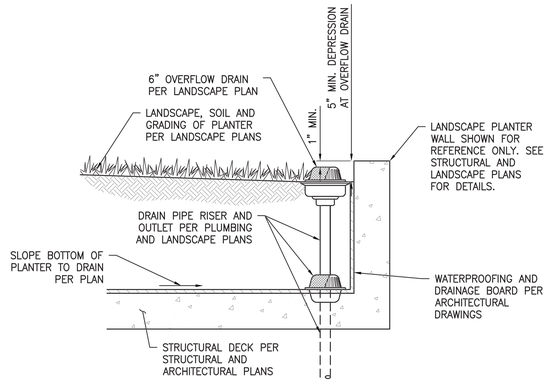
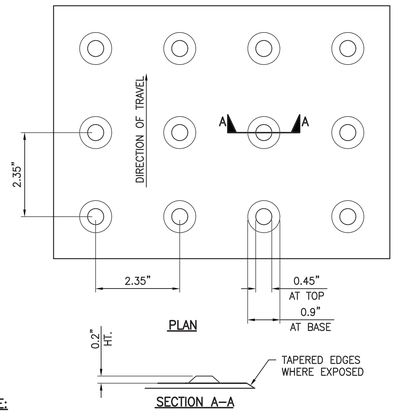


6 SINGLE–STAGE STRUCTURAL DECK PLANTER DRAIN N.T.S.



3 TRUNCATED DOMES N.T.S.

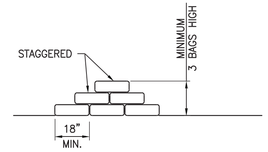


NOTE:

TRUNCATED DOMES SHALL BE OF A DURABLE, SLIP RESISTANT MATERIAL AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.

SLOPE INCLINATION	MAXIMUM SHEET FLOW LENGTH (FOR SLOPE INTERRUPTION)
< 4:1 (H:V)	*20'
4:1–2:1 (H:V)	*15'
> 2:1 (H:V)	*10'

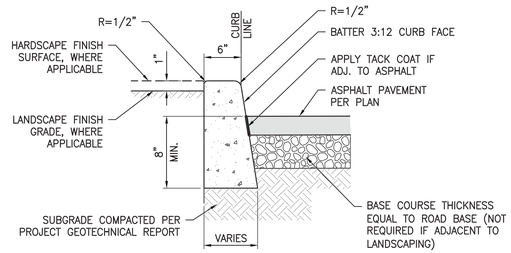
* FIRST ROW NEAR SLOPE TOE



NOTES:

1. BAG MATERIAL: BAGS SHOULD BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT OF 4 OUNCES/YD², MULLEN BURST STRENGTH EXCEEDING 300 LB/IN² IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D4355.
2. BAG SIZE: EACH GRAVEL–FILLED BAG SHOULD HAVE A LENGTH OF 18 IN., WIDTH OF 12 IN., THICKNESS OF 3 IN., AND MASS OF APPROXIMATELY 33 LBS. BAG DIMENSIONS ARE NOMINAL, AND MAY VARY BASED ON LOCALLY AVAILABLE MATERIALS.
3. FILL MATERIAL: FILL MATERIAL SHALL BE 0.5 TO 1.0 INCH CRUSHED ROCK, CLEAN AND FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL, OR OTHER SUITABLE OPEN–GRADED, NON–COHESIVE, POROUS GRAVEL.
4. TURN THE ENDS OF GRAVEL BAG BARRIER UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND BARRIER.
5. USE PYRAMID APPROACH WHEN STACKING BAGS.

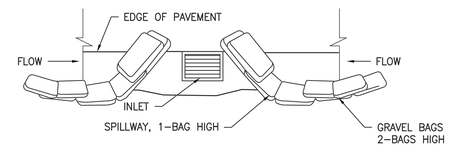
5 TWO–STAGE PLANTER DRAIN N.T.S.



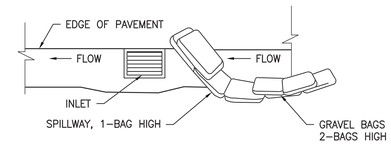
NOTES:

1. ISOLATION JOINTS SHALL BE PLACED ONLY AS SPECIFIED.
2. CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C.
3. WHERE A WALK IS ADJACENT TO THE CURB, THE JOINTS SHALL ALIGN WITH JOINTS IN THE WALK.

2 GRAVEL BAG BARRIER N.T.S.



TYPICAL PROTECTION FOR INLET ON SUMP



TYPICAL PROTECTION FOR INLET ON GRADE

NOTES:

1. INTENDED FOR SHORT–TERM USE.
2. USE TO INHIBIT NON–STORM WATER FLOW.
3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.
6. PROTECTION CAN BE EFFECTIVE EVEN IF IT IS NOT IMMEDIATELY ADJACENT TO THE INLET PROVIDED THAT THE INLET IS PROTECTED FROM POTENTIAL SOURCES OF POLLUTION.

ABT, INC.
WWW.ABTDRAINS.COM
PH: (800) 438 - 6057

PERMAVOID PLANTER DETAIL - PVCUB-003
CAPTURE & USE w/ BIOFILTRATION

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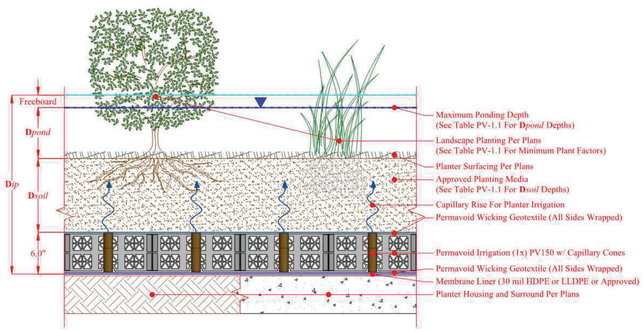
THE FOUNDATION FOR OUR FUTURE



NOTES:
1. All stormwater must flow through the soil surface of planters for biofiltration.

0719

8 PERMAVOID UNDERLAYING GRASSCRETE (ALTERNATE) N.T.S.

4 CONCRETE CURB N.T.S.

1 STORM DRAIN INLET PROTECTION N.T.S.

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

REGISTERED PROFESSIONAL ENGINEER
BRIAN FREDERICK POWERS
No. C75902
Exp. 6/30/22
CIVIL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

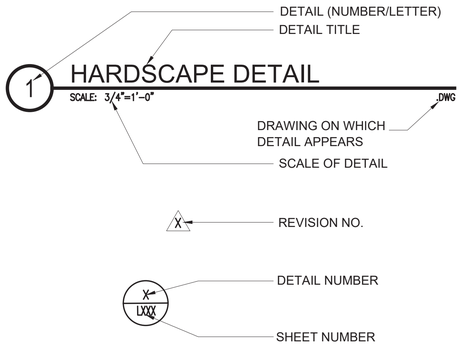
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: **GARY LEE MOORE, PE, ENV SP** DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C75902
ENGINEER: BRIAN POWERS
DESIGNED BY: KPFF CONSULTING ENGINEERS
DRAWN BY: DC
CHECKED BY: MH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: CIVIL DETAILS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C500-1A
SHEET 10 OF SHEETS 8
PLOTTED:

SYMBOLS



ABBREVIATIONS

A.D.	AREA DRAIN
AFF	ABOVE FINISH FLOOR
BOC	BACK OF CURB
CB	CATCH BASIN
CJ	CONTROL JOINT
CCJ	CRACK CONTROL JOINT
C.I.P.	CAST IN PLACE
℄	CENTER LINE
CLR	CLEAR
CONT	CONTINUOUS
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DIA.	DIAMETER
DIM	DIMENSION
DN	DOWN
(E)	EXISTING
EJ	EXPANSION JOINT
EQ.	EQUAL
FG	FINISH GRADE
FT OR ( ) '	FEET OR FOOT
GALV. MAT	GALVANIZED MATERIAL
IN OR ( ) "	INCHES OR INCH
MAX	MAXIMUM
MIN.	MINIMUM
(N)	NEW
NTS	NOT TO SCALE
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
P.A.	PLANTING AREA
ROW OR R/W	RIGHT-OF-WAY
SCH	SCHEDULE
SIM	SIMILAR
TB	TOP OF BENCH
TOC	TOP OF CURB
TS	TOP OF SOIL
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V/F	VERIFY IN FIELD
W/	WITH
WD	WIDTH
WWM	WELDED WIRE MESH

HARDSCAPE NOTES

GENERAL NOTES

1. CONTRACTOR SHALL INSTALL ALL IMPROVEMENTS IN ACCORDANCE WITH THE CITY REQUIREMENTS. IN CASE OF DISCREPANCY BETWEEN THESE PLANS AND THE CITY'S REQUIREMENTS, THE MOST STRINGENT REQUIREMENT WILL APPLY.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL CONDITIONS PRIOR TO SUBMITTING A PROPOSAL OF COST FOR CONSTRUCTION.
3. CONTRACTOR SHALL READ THESE PLANS AND NOTES COMPLETELY AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE CLIENT REPRESENTATIVE IMMEDIATELY UPON DISCOVERY & PRIOR TO THE COMMENCEMENT OF ANY FURTHER WORK.
4. EXTRA WORK SHALL BE APPROVED IN WRITING BY THE OWNER PRIOR TO COMMENCEMENT OF WORK.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, UTILITIES, SEWERS, WATER LINES, ETC. COORDINATE WORK WITH OTHER SUB-CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES UNDER PAVING, ELECTRICAL CONNECTIONS, WATER HOOK-UPS, ETC.
6. ALL REQUIREMENTS OF THE UNIFORM BUILDING CODE SHALL APPLY TO THE WORK SPECIFIED HEREIN UNLESS OTHERWISE MODIFIED BY THESE DOCUMENTS.
7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO COMPLETE THE WORK SPECIFIED.
8. CONTRACTOR TO NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-227-2600 48 HOURS PRIOR TO ANY EXCAVATION.
9. CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STARTING CONSTRUCTION.
10. CONTRACTOR TO COORDINATE A PRE-CONSTRUCTION MEETING ON SITE 48 HOURS PRIOR TO START OF CONSTRUCTION. NOTIFY OWNER, CLIENT REPRESENTATIVE, AND ALL SUB-CONTRACTORS.
11. CONTRACTOR TO SUBMIT REQUESTS FOR MEETINGS, OBSERVATIONS, AND APPROVALS BY THE LANDSCAPE ARCHITECT AT LEAST 48 HOURS PRIOR TO THE DATE AND TIME PROPOSED.
12. OBTAIN THE CITY OF LOS ANGELES INSPECTOR'S AND LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL OF WORK IN PROGRESS AT VARIOUS TIMES DURING CONSTRUCTION. THE FOLLOWING REVIEWS/MEETINGS ARE MANDATORY. PROVIDE 48 HOURS NOTICE FOR EACH REQUESTED VISIT.
    * PRE-JOB CONFERENCE
    * COVERAGE TEST UPON COMPLETION OF SPRINKLER INSTALLATION
    * FINAL GRADING REVIEW
    * PLANT MATERIAL LOCATION REVIEW
    * PLANT MATERIAL APPEARANCE AND QUALITY REVIEW
    * SOIL PREPARATION AND PLANTING INSTALLATION METHODS
    * FINAL WALK THROUGH (AT COMPLETION OF PLANTING INSTALLATION)
    * FINAL WALK THROUGH (AT COMPLETION OF MAINTENANCE PERIOD)
13. FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.

CONSTRUCTION NOTES

14. CONTRACTOR TO VERIFY ALL LOCATIONS AND CONDITIONS ON SITE PRIOR TO THE START OF CONSTRUCTION. NOTIFY CLIENT REPRESENTATIVE IMMEDIATELY IF ANY ERRORS OR DISCREPANCIES ARE FOUND, BEFORE PROCEEDING WITH ANY WORK.
15. DO NOT SCALE DRAWINGS. USE DIMENSIONS AS INDICATED ON PLAN.
16. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN APPARENT DURING DESIGN. OBTAIN DIRECTION BEFORE PROCEEDING WITH CONSTRUCTION IN SUCH CASES.
17. THE LOCATION OF ALL SERVICE RUNS, SUCH AS WATER SUPPLY, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, SANITARY SEWER, ETC. SHOULD BE ASCERTAINED BEFORE WORK IS STARTED, WHERE THEY WILL BE AFFECTED BY EXCAVATION OR WHERE MACHINES MAY BE WORKING NEARBY, THEY SHOULD BE CAREFULLY SEALED, PROTECTED, OR DIVERTED. NOTIFY CLIENT REPRESENTATIVE OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.
18. COORDINATE ALL UTILITY RUNS AND INSTALLATIONS (EXISTING AND NEW) PRIOR TO PAVING INSTALLATION, VERIFY ALL SLEEVES AND ELECTRIC SOURCES FOR IRRIGATION CLOCK AND LIGHTING WITH PROPER SUB-CONTRACTORS.
19. OBTAIN INSPECTION AND APPROVAL OF ALL FORMS PRIOR TO PLACING PAVING.
20. CLEAN OUT AND ADJUST EXISTING DRAINS TO ACCOMMODATE PROPOSED DRAINAGE. ADJUST LATERAL DRAIN LINES AS NECESSARY TO BEST LINK EXISTING MAIN LINES.
21. TRANSITIONS FROM EXISTING PAVING TO NEW PAVING SHALL BE FLUSH.
22. CONSTRUCT ALL WALLS, PAVING, DRAIN LINES, SLEEVING, ETC. PER PLAN AND DETAILS.
23. CONCRETE TO SLOPE FROM FOUNDATION TOWARDS DRAIN INLETS AND DRAINAGE SWALES AT A MINIMUM RATE OF 1/8" PER FOOT. INSTALL CONCRETE FORMS WITH LONG, SMOOTH GRADIENTS TO ELIMINATE DIPS, RIDGES, ABRUPT CHANGES OF GRADE, AND SHARP TRANSITIONS.
24. INSTALL EXPANSION JOINTS @ MAX. 8'. INSTALL CRACK CONTROL JOINTS @ MAX. 16'. ZIP JOINTS WILL NOT BE ALLOWED. INSTALL EJ'S AND CCJ'S AT 90° TO THE EDGE OF CONCRETE PAVING. SEE PLAN FOR ADDITIONAL INFORMATION AND LOCATIONS.
25. PRIOR TO PLACING CONCRETE, SUFFICIENTLY MOISTEN THE SUBGRADE AND PROVIDE SUBGRADE PREPARATIONS PER THE SOILS ENGINEER.
26. INSTALL TYPE V CONCRETE THAT OBTAINS A MINIMUM COMPRESSIVE STRENGTH OF 2,500 P.S.I. AT 28 DAYS UNLESS OTHERWISE SPECIFIED ON THESE PLANS AND DETAILS. CONCRETE TO BE STANDARD GRAY COLOR WITH A TOPCAST FINISH IN THE PUBLIC RW. REFER TO MATERIAL SCHEDULE FOR INTEGRAL COLORED CONCRETE TO BE USED ONSITE. SUBMIT SAMPLE TO OWNER AND CLIENT REPRESENTATIVE PRIOR TO LAYING OUT FORMS. INSTALL CONCRETE FLATWORK PER RECOMMENDATIONS OF SOILS ENGINEER AND SOILS REPORT. IN CASE OF CONFLICT BETWEEN SOILS REPORT AND DETAILS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
27. BACKFILL AND COMPACT BEHIND ALL WALLS AND MASONRY STRUCTURES, AS REQUIRED ON DRAWINGS AND DETAILS. BACKFILL PLANTERS WITH TOP GRADE SANDY-LOAM TOPSOIL PER PLANTING NOTES.
28. CLEAN UP AND REMOVE ALL DEBRIS FROM SITE PRIOR TO REQUESTING FINAL APPROVAL. GRADE ALL AREAS WITHIN 0.5 INCHES OF FINISH GRADES. NOTE AREAS OF ADDITIONAL GRADING SHOWN. COORDINATE WITH CLIENT REPRESENTATIVE THE FINAL FORM OF LANDSCAPE MOUNDS.

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MATERIAL SCHEDULE - PHASE 1A

CATEGORY	CODE	ITEM	COLOR / ASPECT	FINISH	SIZE	LOCATION	BASIS OF DESIGN / MANUFACTURER	DETAIL
PAVING	SW-01	DECOMPOSED GRANITE	NATURAL GOLD	EROSION RESISTANT PERMEABLE SURFACE	FINES	OLIVE ST @ EX. PALMS TO REMAIN	SOUTHWEST BOULDER & STONE	3 /LA200-1A
	CO-03	POURED REINFORCED CONCRETE SLAB	STANDARD GRAY	TOP CAST FINISH NO.05	SEE CIVIL	OLIVE ST @ EX. PALMS TO REMAIN	TRADEMARK CONCRETE SYSTEMS	4 /LA200-1A

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agence ter PAYSAGISTES URBANISTES

REVISION DATE: 10/29/2021 3:47:24 PM

REVISION DATES (DESIGN STAGE ONLY)

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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

BUILDING NO. XX/XX
INDEX NO. - MF-300492

NO.	REVISIONS:	DATE:	BY:
-			

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GERCO — LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, NO, MS — CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
12/16/2021 — 11/08/2021

LICENSED LANDSCAPE ARCHITECT — DAVID HOWELL — 5854 — Renewal Date — STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: HARDSCAPE NOTES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST, LOS ANGELES, CA 90013

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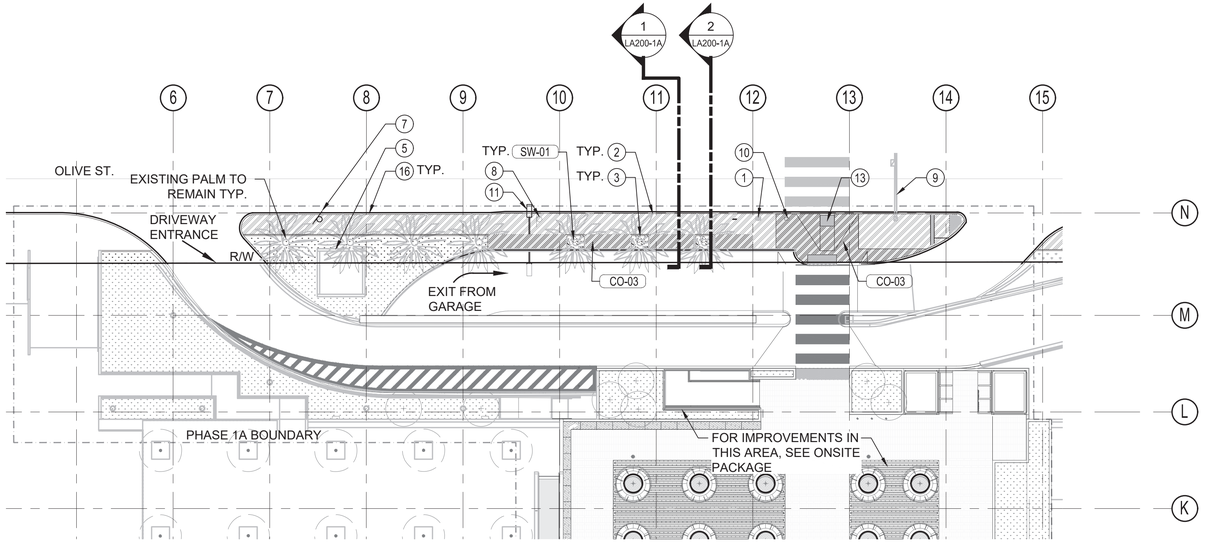
DRAWING NO. LA001-1A
SHEET OF SHEETS
PLOTTED:



1 HARDSCAPE AT OLIVE STREET - WEST

SCALE: 1" = 20'

GENERAL NOTES

1. ALL SLOPED WALKWAYS ALLOW BARRIER-FREE ACCESS, MAXIMUM SLOPE ALONG LENGTH OF WALKS SHALL NOT EXCEED 5.0% UNLESS OTHERWISE NOTED. SEE CIVIL FOR SITE GRADING.
2. ALL CIP CONCRETE BENCHES TO INTEGRATE CIP SKATE DETERRENT INSTALLATION AT REGULAR INTERVALS.

R/W EXISTING LEGEND & SYMBOLS

(NOTE: NOT ALL SYMBOLS OCCUR ON EACH SHEET)

- RIGHT-OF-WAY
- EXISTING GLOBE LIGHT, VIF
- EXISTING STREET LIGHT
- EXISTING PEDESTRIAN STREET LIGHT, ORNAMENTAL
- UTILITY ACCESS
- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN

R/W PROPOSED MATERIALS LEGEND

(NOTE: NOT ALL MATERIALS ARE USED ON EACH SHEET)

- CONCRETE WITH TOP CAST NO. 05 (CO-01, CO-03)
- DECOMPOSED GRANITE (SW-01)
- PROPOSED TREE PLANTING, SEE LANDSCAPE PLANS
- PLANTING AREA, SEE LANDSCAPE PLANS
- EXPANSION JOINT
- CONTROL JOINT
- PROJECT PHASE BOUNDARY

R/W EXISTING MATERIALS LEGEND

(NOTE: NOT ALL MATERIALS ARE USED ON EACH SHEET)

- EXISTING CONCRETE PAVING
- EXISTING CULTRUAL MONUMENT TO BE RELOCATED ON SITE

R/W KEY NOTES

(NOTE: NOT ALL MATERIALS ARE USED ON EACH SHEET)

EXISTING TO REMAIN KEY NOTES:

1. EXISTING FIRE HYDRANT TO REMAIN
2. EXISTING CURB TO REMAIN
3. EXISTING TREE WELL TO REMAIN
4. EXISTING BOLLARD TO REMAIN
5. EXISTING VENT TO REMAIN
6. EXISTING UTILITY TO REMAIN: SEE CIVIL
7. EXISTING TRAFFIC SIGN TO REMAIN
8. EXISTING BUS SIGN TO REMAIN
9. EXISTING TRAFFIC SIGNAL TO REMAIN
10. EXISTING PEDESTRIAN SIGNAL TO REMAIN
11. EXISTING STREET LIGHT TO REMAIN

PROPOSED KEY NOTES:

12. PROPOSED RAISED CROSSWALK: SEE CIVIL
13. PROPOSED ADA CURB RAMP: SEE CIVIL
14. PROPOSED TRENCH DRAIN: SEE CIVIL
15. PROPOSED ATRIUM DRAIN: SEE CIVIL
16. PROPOSED CURB: SEE CIVIL
17. PROPOSED SIGNAGE: SEE ENVIRONMENTAL GRAPHICS
18. PROPOSED SITE LIGHTING: SEE LIGHTING DRAWINGS
19. RENOVATED PEDESTRIAN RAMP: SEE CIVIL
20. PROPOSED UTILITY: SEE CIVL

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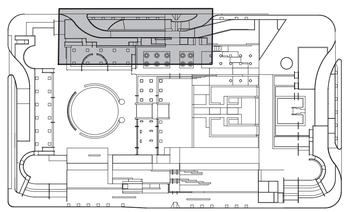
KEY MAP



GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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SHEET: m

REVISION DATE:
REVISION DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

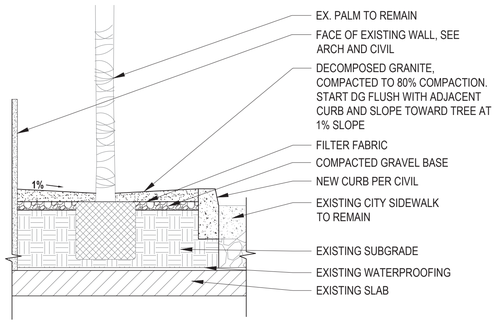
INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT
DEAN MOWELL 5766
Signature
12/31/21
Renewal Date
Date
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER
ARCHITECTURAL DIVISION
12/16/2021
ARCHITECT: DEBRA GEROD
LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/201

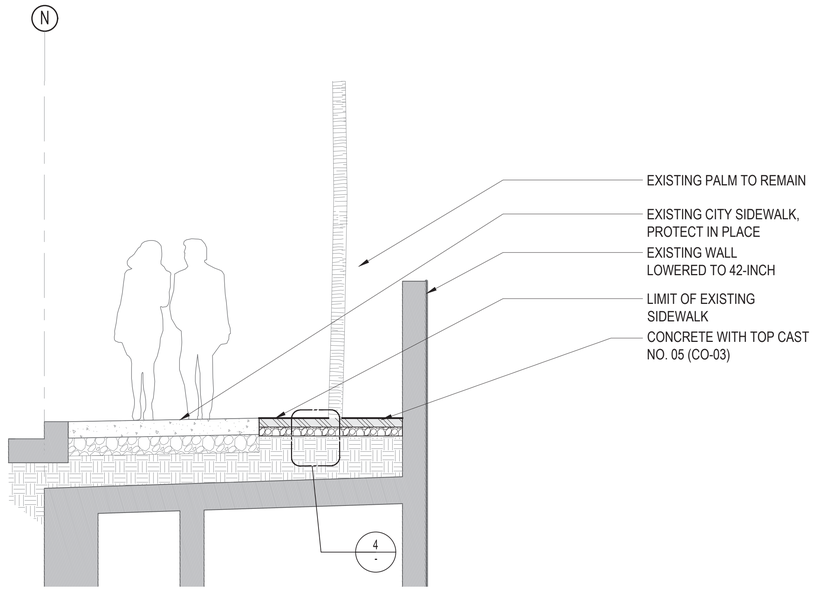
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: HARDSCAPE PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. LA150-1A
SHEET OF SHEETS
PLOTTED:



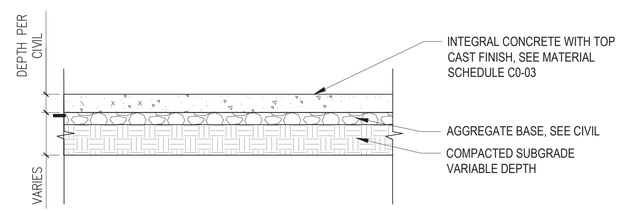
3 DECOMPOSED GRANITE TREE WELL (SW-01)

SCALE: 1/2" = 1'-0"



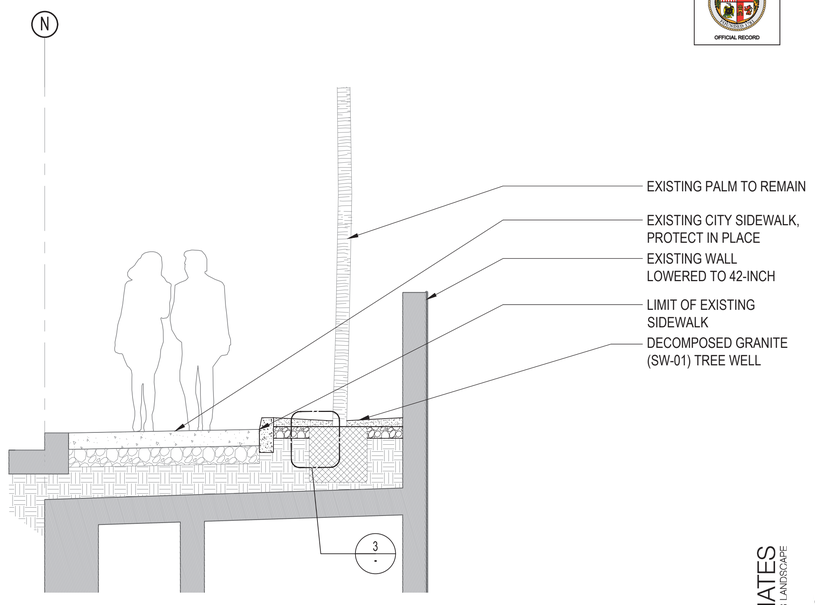
1 SECTION: OLIVE STREET

SCALE: 1/2" = 1'-0"



4 SCORED CONCRETE WITH TOPCAST FINISH

SCALE: 1/2" = 1'-0"



2 SECTION: OLIVE STREET TREE WELL

SCALE: 1/2" = 1'-0"

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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

NO. REVISIONS DATE BY

BUILDING NO. XX/XX

INDEX NO. -

MF-3000492

LICENSED LANDSCAPE ARCHITECT DEBRA GEROD Date Renewal Date STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C26905
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, MD, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

12/16/2021
11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HARDSCAPE DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S. OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. LA200-1A

SHEET SHEETS OF

PLOTTED:

IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
9. CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
10. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
12. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
13. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
14. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	P.R. (TRI.)	DETAIL
▼	RAIN BIRD	RD-04-S 4" POP-UP BUBBLER HEAD WITH A HUNTER 5-CST-B BUBBLER NOZZLE. EACH SYMBOL REPRESENTS ONE (1) BUBBLER FOR EVERY TWO (2) SHRUBS.	.38	30	5 FT	1.00 IN./HR.	A
▽	RAIN BIRD	RD-06-S 6" POP-UP BUBBLER HEAD WITH A HUNTER MSBN-50Q STREAM BUBBLER NOZZLE EACH SYMBOL REPRESENTS TWO (2) BUBBLER TO PROVIDE A TOTAL OF TWO (2) BUBBLERS PER PALM. PLACE THE BUBBLER HEADS IN THE OPPOSITE CORNERS OF THE PALM. ADJUST BUBBLER STREAMS TO WET THE ROOT BALL AND ADJACENT AMENDED SOIL WITHOUT HITTING THE TRUNK OF THE PALM.	.50 (1.00 TOTAL)	30	1 FT	1.00 IN./HR.	A,B
———	AS APPROVED	PVC PIPE 3/4" - 11/4" SCH. 40, SOLVENT WELD WITH SCH. 40 PVC FITTINGS, AS LATERAL LINES INSTALLED 12" BELOW FINISHED GRADE					C
NO SYMBOL	LASCO	ALL FITTINGS USED WITH SOLVENT WELD LATERAL LINE PIPE SHALL BE SCH. 40 PVC, WHITE IN COLOR, AND SIZED TO MATCH THE LATERAL LINE PIPE. ALL THREADED PVC NIPPLES SHALL BE SCH. 80 PVC PIPE, DARK GRAY IN COLOR, WITH MOLDED THREADS.					N/A
NO SYMBOL	AS APPROVED	ALL SOLVENT WELD CONNECTIONS FOR LATERAL LINES SHALL BE MADE USING THE TWO-STEP PROCESS OF PRIMER AND SOLVENT CEMENT. PRIMER SHALL BE LOW VOC "PURPLE PRIMER". SOLVENT CEMENT SHALL BE LOW VOC, GRAY OR BLUE COLORED "MEDIUM BODIED" CEMENT. USE DAUBERS SIZED AT LEAST ONE-HALF THE SIZE OF THE LARGEST PIPE BEING JOINED. ALL SOLVENT CEMENTED JOINTS SHALL BE MADE PER THE PIPE AND FITTING MANUFACTURER'S RECOMMENDATIONS.					N/A

IRRIGATION NOTES FOR WITHIN THE PUBLIC RIGHT OF WAY

A. ALL IRRIGATION MAINLINE SHALL BE SCHEDULE 80 PVC, AND ALL LATERALS/SLEEVES SHALL BE SCHEDULE 40 PVC. SLEEVES SHALL BE 2X THE SIZE OF THE PIPE BEING SLEEVED. ALL IRRIGATION MAINLINE AND LATERALS SHALL BE A MINIMUM 3/4" SIZE.
B. CONTRACTOR SHALL PAY FOR ALL PERMITS AND CONSTRUCTION COSTS FOR THE DEPARTMENT OF WATER AND POWER (DWP) TO CONDUCT ANY STREET WORK (TRENCHING), MAINLINE/SLEEVE INSTALLATION IN THE STREET AND SUB-WATER METER INSTALLATION AND REDUCED PRESSURE BACKLOW PREVENTER REVIEW. A BILLING ADDRESS MUST BE PROVIDED WHEN APPLYING FOR INSTALLATION OF THE SUB-WATER METERS. CONTRACTOR MUST FILE THE APPLICATION PRIOR TO START OF CONSTRUCTION. CONTRACTOR TO CONTACT THE CITY IN ORDER TO ESTABLISH UTILITY SERVICE AND BILLING ADDRESSES. UTILITY SERVICE MUST BE ESTABLISHED PRIOR TO TREE/SHRUB INSTALLATIONS.
C. THE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER, RELATED EQUIPMENT AND IRRIGATION CONTROLLER SHALL BE INSTALLED ON PRIVATE PROPERTY.
D. ALL IRRIGATION EQUIPMENT (FOR BOTH CONCRETE AND LANDSCAPE AREAS) SHALL BE INSTALLED IN TRAFFIC-RATED CONCRETE VALVE BOXES WITH HINGED METAL LIDS. IRRIGATION EQUIPMENT INCLUDES REMOTE CONTROL VALVES, FLUSH VALVES, AIR RELIEF VALVES, QUICK COUPLERS ETC.
E. ALL IRRIGATION MAINLINES WITHIN THE PUBLIC RIGHT OF WAY SHALL BE 24" BELOW FINISH GRADE. ALL IRRIGATION LATERALS WITHIN THE PUBLIC RIGHT OF WAY SHALL BE 12" BELOW FINISH GRADE. BELOW VEHICULAR ACCESS AREAS, IRRIGATION MAINLINES WITHIN THE PUBLIC RIGHT OF WAY SHALL BE 36" BELOW FINISH GRADE, SLEEVED.
F. ALL IRRIGATION SHALL BE POP-UP SPRAY/BUBBLER HEADS AND/OR SUB-SURFACE DRIP IRRIGATION. NO FIXED RISERS ARE ALLOWED WITHIN THE PUBLIC RIGHT OF WAY.
G. DIRECT BURIAL WIRE SHALL BE #14 GAUGE AND SHALL BE PLACED AT 24" BELOW GRADE TAPED TO MAINLINE WHERE APPLICABLE.
H. ALL DRIP IRRIGATION SHALL BE DIRECT BURIAL TYPE, A MINIMUM OF 2" TO 4" BELOW FINISH GRADE.

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

SIGNATURE: _____ DATE: 02-03-21

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUEN ASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter
PAYSAGISTES URBANISTES

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com|t: (951) 461-6830
w: www.sweeneyassoc.com|f: (951) 461-6850

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

INDEX NO. MF-300492 I

LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — DEBRA GERKO — Date — Renewal Date

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GERKO — LIC. NO. C23985 — 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/2019

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: IRRIGATION LEGEND AND NOTES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. LA300-1A
SHEET OF SHEETS

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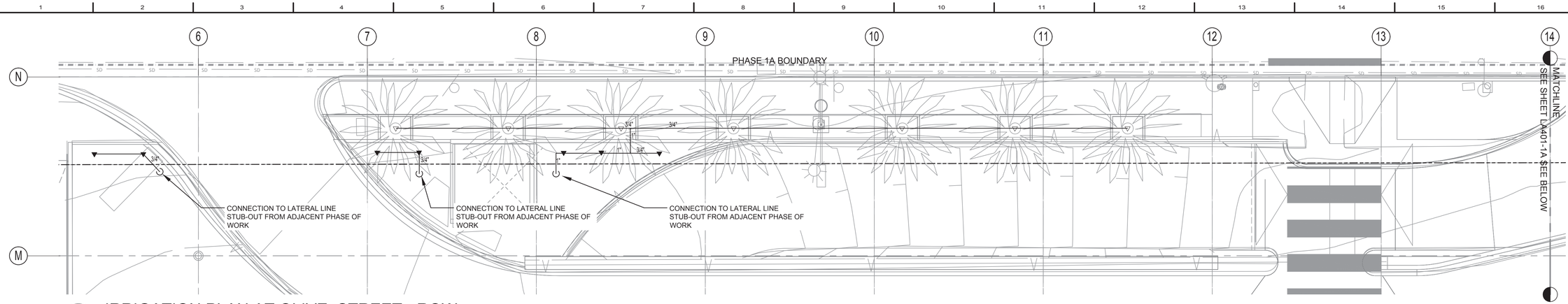
REVISION DATE: 8/21/2019 3:47:24 PM



1 IRRIGATION PLAN AT OLIVE STREET - ROW

SCALE: 1/8" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEGEND:

RIGHT OF WAY/LIMIT OF WORK

NOTE A:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

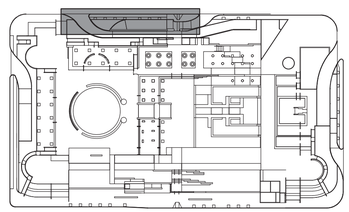
0 4' 8' 12' 16' 32'

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

811

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite c
Murrieta, Ca 92563
e: info@sweeneyassoc.com|t: (951) 461-6830
w: www.sweeneyassoc.com|f: (951) 461-6850

KEY MAP



GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
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REVISION DATES DESIGN STAGE ONLY

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XXX

INDEX NO. I

MF-300492

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

CITY ENGINEER	12/19/2021
ARCHITECTURAL DIVISION	
GARY LEE MOORE, PE, ENV SP	
ARCHITECT: DEBRA GEROD	LIC. NO. C20985
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES	
DRAWN BY: TD, ND, MS	
CHECKED BY: DH	
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT	11/08/2019

LICENSED LANDSCAPE ARCHITECT DEBRA HOBBS GEROD TEMECULA CALIFORNIA Signature Renewal Date

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. LA401-1A

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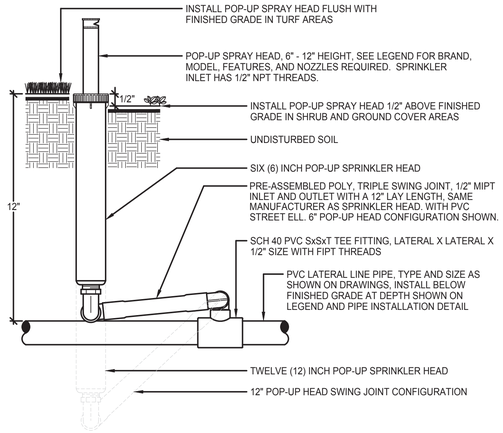

NOTE:
INSTALL SPRAY HEADS 4" FROM PAVING EDGE IN TURF AREAS.
INSTALL SPRAY HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
INSTALL SPRAY HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.

INSTALL SPRAY HEADS PLUMB. ADJUST NOZZLE STREAM TO COVER THE LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

SECTION VIEW - N.T.S.

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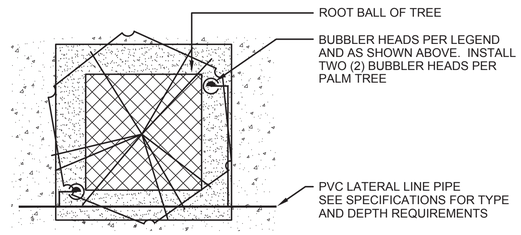
A POP-UP SPRINKLER/BUBBLER HEAD



PLAN VIEW - N.T.S.

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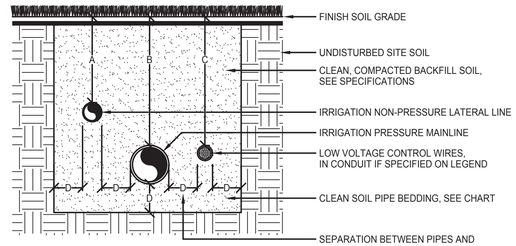
B TREE BUBBLER LAYOUT



PIPE SIZES	A	B	C	D
SIZES 3/4" TO 2 1/2"	12"	18"	18"	4"
SIZES 3" AND 4"	18"	24"	24"	4"
SIZES 6" AND LARGER	X	30"	24"	6"

NOTE:
CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

SECTION VIEW - N.T.S.

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C PIPE INSTALLATION

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

SIGNATURE: 02-03-21 DATE:

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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Murrieta, Ca 92563
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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:
- | | |

BUILDING NO. XX/XX
MF-300492
INDEX NO. I

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — DEAN MOORE — Expiration Date — Renewal Date

CITY ENGINEER	GARY LEE MOORE, PE, ENV SP	12/18/2020
ARCHITECTURAL DIVISION		
ARCHITECT: DEBRA GEROD	LIC. NO. C23985	
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: TD, ND, MS		
CHECKED BY: DH		11/08/2019
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. LA500-1A
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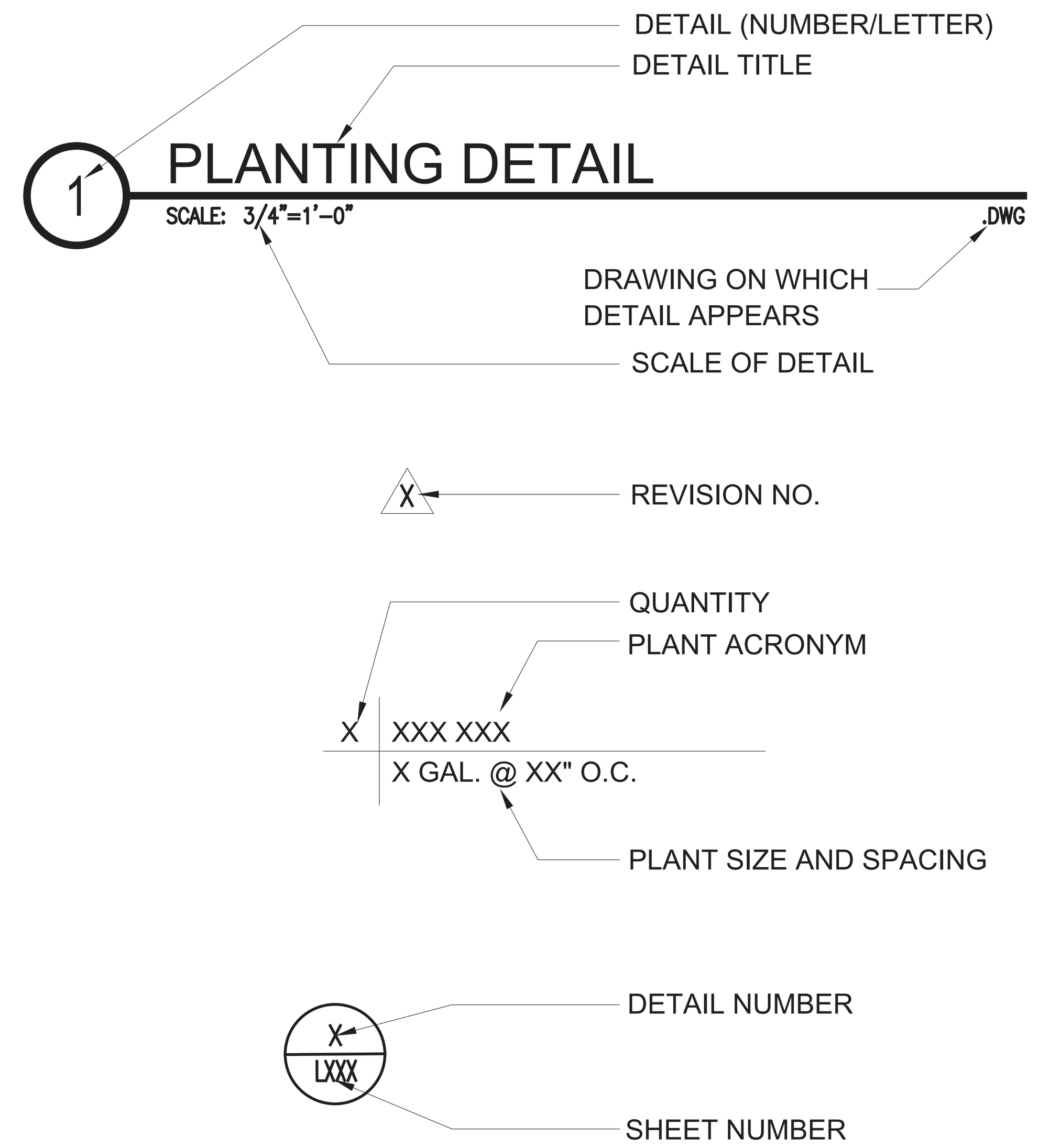
PLOTTED: 8/21/2019 3:47:24 PM

SYMBOLS



ABBREVIATIONS

A.D.	AREA DRAIN
AFF	ABOVE FINISH FLOOR
BOC	BACK OF CURB
CB	CATCH BASIN
CJ	CONTROL JOINT
CCJ	CRACK CONTROL JOINT
C.I.P.	CAST IN PLACE
℄	CENTER LINE
CLR	CLEAR
CONT	CONTINUOUS
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DIA.	DIAMETER
DIM	DIMENSION
DN	DOWN
(E)	EXISTING
EJ	EXPANSION JOINT
EQ.	EQUAL
FT OR ( ) '	FEET OR FOOT
GALV. MAT	GALVANIZED MATERIAL
IN OR ( ) "	INCHES OR INCH
MAX	MAXIMUM
MIN.	MINIMUM
(N)	NEW
NTS	NOT TO SCALE
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
ROW OR R/W	RIGHT-OF-WAY
SCH	SCHEDULE
SIM	SIMILAR
TOC	TOP OF CURB
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V/F	VERIFY IN FIELD
W/	WITH
WD	WIDTH
WWM	WELDED WIRE MESH

PLANTING NOTES

GENERAL

1. ALL WORK IN THE CITY OF LOS ANGELES SHALL CONFORM TO APPLICABLE CITY AND COUNTY STANDARD CODES.
2. ALL WORK SHALL CONFORM TO AB 1881, STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) SEPTEMBER, 2009.
3. PRIOR TO CONSTRUCTION, CONTRACTOR TO CONFIRM WITH CITY OF LOS ANGELES' REPRESENTATIVE THAT AGREEMENTS ARE IN PLACE WITH THE PROPERTY OWNERS TO DEMOLISH, RELOCATE OR PLANT TREES OR OTHER PLANTS INDICATED WITHIN PRIVATE PROPERTY LINES ON THESE LANDSCAPE PLANS.
4. CONTRACTOR SHALL CAREFULLY INSPECT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL NOTIFY CITY OF LOS ANGELES' REPRESENTATIVE IF ANY INCONSISTENCIES OCCUR.
5. CONTRACTOR SHALL MAINTAIN A QUALIFIED ENGLISH SPEAKING SUPERVISOR ON THE SITE AT ALL TIMES; DURING CONSTRUCTION THROUGH COMPLETION OF PUNCH LIST ITEMS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BACKFILL AND TRENCH COMPACTION FINISH GRADING DRAINAGE AT A MINIMUM OF 2% AND INSTALLATION OF ALL EQUIPMENT AND MATERIALS, AS SHOWN ON THE DRAWINGS AND PER THE SPECIFICATIONS.
7. THE CONTRACTOR SHALL REMOVE ALL WEEDS, ROCKS, DEBRIS, AND OTHER EXTRANEOUS MATERIALS LARGER THAN 1" FROM THE JOB SITE PRIOR TO PROCEEDING WITH ANY WORK. RIP ANY COMPACTED SOIL TO A DEPTH OF 12" AND AMEND ALL SOIL 24" DEEP FOR PLANT ROOTING AND ESTABLISHMENT. WEED CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR IN ALL PLANTING AREAS DURING CONSTRUCTION AND MAINTENANCE PERIODS.
8. ALL EXISTING UTILITIES TO BE RELOCATED PER CIVIL PLANS.
9. ALL NEW PAVING LAYOUT PER CIVIL AND HARDSCAPE PLANS. SEE LANDSCAPE DRAWINGS FOR MATERIALS, FINISHES AND COLORS.
10. VERIFY ABOVE AND BELOW GROUND UTILITY LOCATIONS AND COORDINATE INSTALLATION OF TREES AND LANDSCAPING WITH THEM.
11. TREE LOCATIONS SHALL ADHERE TO CITY OF LOS ANGELES APPROVED MINIMUM DISTANCES TO STREET LIGHT STANDARDS, FIRE HYDRANTS, INTERSECTIONS, DRIVEWAY SETBACKS, ETC.
12. CITY OF LOS ANGELES' REPRESENTATIVE SHALL REVIEW ALL PLANTING WORK. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL CONTACT CITY OF LOS ANGELES' REPRESENTATIVE AND COORDINATE ALL FIELD REVIEWS. CITY OF LOS ANGELES' REPRESENTATIVE SHALL REVIEW THE LOCATION OF ALL PLANT MATERIALS PRIOR TO THE EXCAVATION OF PLANT PITS.
13. ALL PLANT MATERIALS SHALL BE HANDLED OR STORED SO THAT THEY ARE ADEQUATELY PROTECTED FROM DRYING OUT, FROM SUN OR WINDBURN, OR FROM ANY OTHER INJURY.
14. PLANTS ARE SUBJECT TO REVIEW AT PLACE OF GROWTH AND ON THE PROJECT SITE AT ANY TIME BEFORE OR DURING PROGRESS WORK.
15. PLANT SPECIES SUBSTITUTES NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY CITY OF LOS ANGELES' REPRESENTATIVE IN WRITING. ALL SUBSTITUTIONS MUST COMPLY WITH MWELO.
16. CONTRACTOR SHALL SUPPLY OWNER'S REPRESENTATIVE WITH THE FOLLOWING:
    A. COPIES OF NURSERY INVOICES FOR THE PURPOSE OF VERIFYING PLANT QUANTITY AND TYPE AT THE TIME OF DELIVERY. NO PLANT MATERIALS WILL BE ACCEPTED WITHOUT THIS INFORMATION. ALL PATENT VARIETIES MUST HAVE PATENT TAGS ATTACHED.
    B. COPIES OF INVOICES FOR NITROHUMUS AND NITROGEN STABILIZED COMPOSTED WOOD PRODUCT. PHYSICAL AMENDMENTS WILL NOT BE APPROVED WITHOUT THIS INFORMATION.
    C. COPIES OF INVOICES FOR PROOF AND ANALYSIS AND AMOUNTS OF FERTILIZER AND HERBICIDES. PLANTING OPERATIONS SHALL NOT COMMENCE WITHOUT THIS INFORMATION.
17. THE MAINTENANCE PERIOD SHALL BEGIN AT THE ACCEPTANCE OF FINAL INSPECTION AND CONTINUE FOR TWO (2) YEARS. MAINTENANCE PERIOD SHALL BE WEEKLY.
18. IF THE MAINTENANCE PERIOD IS EXTENDED DUE TO NON-COMPLETION OF WORK, THE CONTRACTOR SHALL BEAR THE EXPENSE OF ADDITIONAL COSTS.
19. THE CONTRACTOR SHALL GUARANTEE ALL NEW CONTAINER PLANT MATERIAL AND RELOCATED PLANT MATERIAL AND WORKMANSHIP FOR A PERIOD OF (1) ONE YEAR AFTER INSTALLATION.
20. ALL MITIGATION GRADING AND RETAINING WALLS PER CIVIL DRAWINGS.
21. ALL EXISTING PLANTS, BOTH INSIDE AND OUTSIDE OF THE R/W, TO REMAIN IN PLACE SHALL BE PROTECTED PER SPECIFICATIONS DIVISION 1. IF ANY EXISTING SHRUBS OR PALMS ARE DAMAGED OR DESTROYED BECAUSE OF CONSTRUCTION, THE CONTRACTOR WILL REPLACE IN-KIND WITH SIMILAR SIZE OF DAMAGED OR DESTROYED MATERIAL TO MATCH SURROUNDING PLANTS. IN THE CASE OF TREES, REPLACEMENT TREES SHALL BE 36" BOX OR LARGER.
22. ALL PUBLIC PATHS OF TRAVEL ALTERED BY THIS PROJECT SHALL CONFORM TO ADA REQUIREMENTS. IF A CONFLICT ARISES BETWEEN THE PLANS AND AN IN-FIELD SITUATION DURING CONSTRUCTION, CONTACT OWNER'S REPRESENTATIVE FOR RESOLUTION.
23. PLANT QUANTITIES SHOWN FOR CONTRACTOR'S CONVENIENCE. CONTRACTOR TO VERIFY AND FULFILL DESIGN INTENT OF LANDSCAPE PLANS.
24. FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.
25. EXCAVATED SOIL AND LAND CLEARING DEBRIS: 100 PERCENT OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED. FOR A PHASED PROJECT, SUCH MATERIAL MAY BE STOCKPILED ON SITE UNTIL THE STORAGE SITE IS DEVELOPED.
26. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING ARES EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED.

GRADING AND IMPORT SOIL

27. SEE SPECIFICATIONS FOR IMPORT SOIL AND TESTING REQUIREMENTS.
28. OBTAIN SOIL ANALYSIS FOR FINAL SPECIFICATION FROM SOIL AND PLANT LABORATORY INC. (714) 282-8777 OR APPROVED TESTING FACILITY. SITE SAMPLES SHALL BE GATHERED BY TESTING AGENCY. TEST SOIL PRIOR TO INSTALLING IRRIGATION.
29. SUBMIT SOILS ANALYSIS RESULTS TO CITY OF LOS ANGELES' REPRESENTATIVE FOR REVIEW PRIOR TO INSTALLATION. CONTRACTOR SHALL OBTAIN AND PAY FOR AGRONOMICAL SOIL TESTS FOR THE IMPORTED TOP SOIL, ONE PER SOURCE. THE SOILS TEST SHALL BE SUBMITTED TO CITY OF LOS ANGELES' REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO THE DELIVERY OF THE SOIL.
30. THE FOLLOWING AMENDMENT TREATMENT TO BE USED FOR BIDDING PURPOSES ONLY. FINAL SPECIFICATION BY CONTRACTOR PER RECOMMENDATION OF IMPORTED SOIL ANALYSIS. BROADCAST UNIFORMLY AND INCORPORATE THOROUGHLY, TO A DEPTH OF 12" SOIL THE FOLLOWING AMENDMENTS:
    AMT/1,000 SQUARE FEET
    4 CY NITROLIZED SHAVINGS
    10 LBS. SOIL SULFUR
    30 LBS. AGRICULTURAL GYPSUM
31. CONTRACTOR TO REMOVE EXISTING EXISTING SOIL AND REPLACE AND AMEND PER PLANTING SPECIFICATIONS
32. FERTILIZER AND AMENDMENT SHALL BE THOROUGHLY ROTOTILLED TO A DEPTH OF 2'.
    BACKFILL MIX: ALL PLANTING PITS SHALL BE BACKFILLED WITH NATIVE SOILS ONLY.
33. PLANTING TABLET CHART
    GRO POWER (7 GRAM) PLANTING TABLETS SHALL BE USED IN ALL PLANTING PITS AS FOLLOWS:
    1 GALLON - 3 EACH
    5 GALLON - 9 EACH
    15 GALLON - 15 EACH
    24" BOX - 18 EACH
    36" BOX - 20 EACH
    48" BOX - 24 EACH
34. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.
35. ROUGH GRADING SHALL CONSIST OF, BUT NOT LIMITED TO, ESTABLISHING ALL GRADES AS SHOWN AND NOTED ON PLAN, ESTABLISH FLOWLINES, CONTOUR GRADING AND REMOVING ANY FOREIGN MATERIAL. SEE CIVIL DRAWINGS.
36. BRING ALL PLANTING AREAS TO FINISH GRADE AFTER SOIL PREP & MULCHING TO 1/2" BELOW PAVING AND CURBS, OR AS NOTED BY SPOT ELEVATIONS.
37. WATER SETTLE ALL LANDSCAPED AREAS WITH OVERHEAD WATER PRIOR TO FINE GRADING AND INSTALLATION OF PLANT MATERIAL.
38. DRAINAGE TESTING / DRAINAGE CHANNEL REQUIREMENTS.
    PRIOR TO PLANTING ALL PLANTING PITS SELECTED FOR TESTING SHALL BE TESTED IN THE FOLLOWING MANNER:
    A. DIG EACH PLANTING PIT TO THE MINIMUM SPECIFIED SIZE.
    B. FILL PLANTING PIT WITH TWELVE INCHES (12") OF WATER. IF THE WATER LEVEL DROPS FOUR INCHES (4") OR MORE WITHIN FOUR (4) HOURS, THE DRAINAGE IS SUFFICIENT AND DRAINAGE CHANNEL IS NOT REQUIRED.IF, HOWEVER, THE WATER LEVEL DROPS LESS THAN FOUR INCHES (4") WITHIN THE FOUR (4) HOUR PERIOD, A DRAINAGE CHANNEL IS REQUIRED.
    C. WHERE REQUIRED, THE DRAINAGE CHANNEL MUST EXTEND DOWN TO THE EXISTING STRUCTURAL SLAB. DRAINAGE CHANNEL SHOULD NOT CONFLICT WITH BELOW GRADE UTILITIES OR STORM DRAIN LINES.
39. I HAVE COMPILED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.
40. A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
41. A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE SIGNER OF THE LANDSCAPE PLANS, THE SIGNER OF THE IRRIGATION PLANS OR LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.
42. PROJECT INFORMATION
    A. PROJECT ADDRESS: 532 S OLIVE ST, LOS ANGELES, CA 90013
    B. TOTAL LANDSCAPE AREA:
       a. PHASE 1A: 7,434 SQFT
       b. PHASE 1B: 22,312 SQFT
       c. PHASE 2: 32,677 SQFT
    C. WATER SUPPLY TYPE: DOMESTIC WATER
    D. CONTACT:
       GRUEN ASSOCIATES
       6330 SAN VICENTE BLVD STE 200
       LOS ANGELES, CA 90048
       T: 323.937.4270

PLANTING

43. NO WEED CONTROL MATERIAL OR METHOD SHALL AFFECT THE LANDSCAPE PLANTING OR ESTABLISHMENT AND MUST CONFORM TO FEDERAL, STATE AND LOCAL REGULATIONS.
44. TREES AND SHRUBS SHALL BE PLANTED IN ACCORDANCE AS FOLLOWS:
    TREE (24"/36"/48" BOX) SEE DETAIL SHT. (PLUS GRO-POWER TABLETS PER CHART ABOVE).
    SHRUBS (15, 5 & 1 GAL) SEE DETAIL SHT. (PLUS GRO-POWER TABLETS PER CHART ABOVE).
45. GROUNDCOVER PLANTING SHALL BE CONTINUOUS UNDER TREES AND SHRUBS. SEE LEGEND FOR THE VARIETY AND SPACING. SEE DETAIL SHEET FOR INSTALLATION.
46. PROVIDE AND INSTALL PLANT MATERIALS BASED ON COUNT OF PLANT SYMBOLS ON PLANS, OR ON THE SPACING DESCRIBED IN THE LEGEND.
47. COORDINATE TREE PLACEMENT WITH LOCATIONS OF BUBBLERS TO BEST PROVIDE FOR COMPLETE COVERAGE.
48. PRUNE TREES AND SHRUBS ONLY IF DIRECTED BY OWNER'S REPRESENTATIVE AND PER SPECIFICATION.
49. ANY ENCOUNTERED TREE THAT IS NOT SHOWN ON THESE PLANS WITHIN THE NEWLY ACQUIRED R/W, OR THAT WILL BE AFFECTED BY CONSTRUCTION, SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR RESOLUTION IN ACCORDANCE WITH THE DESIGN INTENT OF THESE DRAWINGS.

PLANT SCHEDULE ROW

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	DETAIL
	ARC MON	ARCTOSTAPHYLOS HOOKERI `MONTEREY CARPET`	MONTEREY CARPET HOOKER`S MANZANITA	1 GAL.	48" o.c.	18	2/LA 800-1A
	BAC PIG	BACCHARIS PILULARIS `PIGEON POINT`	PIGEON POINT COYOTE BRUSH	5 GAL.	60" o.c.	7	2/LA 800-1A
	ROS IRE	ROSMARINUS OFFICINALIS `IRENE` TM	IRENE TRAILING ROSEMARY	5 GAL.	48" o.c.	4	2/LA 800-1A

EXISTING PLANT LEGEND ROW

NOTE: SEE PLANS FOR EXISTING PALM QUANTITY AND LOCATION

EXISTING PALM TO REMAIN

RELOCATED EXISTING PALM

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

INDEX NO. - MF-300492

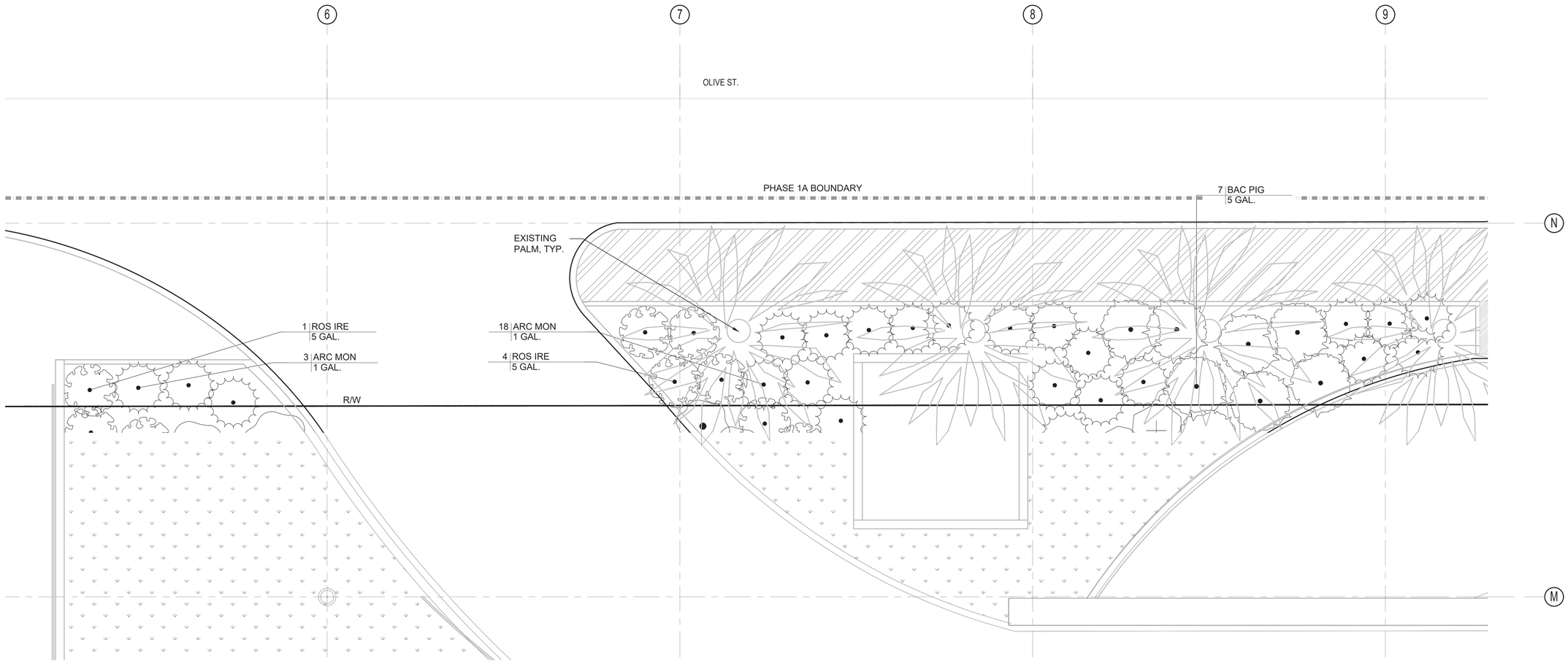
LICENSED LANDSCAPE ARCHITECT DEAN HOWELL 5766 STATE OF CALIFORNIA
Signature 12-31-21 Renewal Date Date

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD — LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PLANTING LEGEND
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. LA600-1A
SHEET OF SHEETS

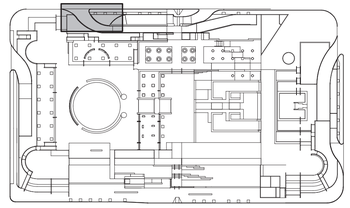
PLOTTED: 8/21/2019 3:47:24 PM



1 PLANTING AT OLIVE STREET - WEST

SCALE: 1/4" = 1'-0"

KEY MAP



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CITY OF LOS ANGELES

BUILDING NO. XX/XX

MF-300492

INDEX NO. -

NO. | REVISIONS: | DATE: | BY:
- | | |

LICENSED LANDSCAPE ARCHITECT
DEBRA MOON
PLANS PREPARED UNDER MY DIRECTION
Signature
Renewal Date
Date
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
12/16/2021

ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GERCID
LIC. NO. C28565

AGENCE TER & GRUEN ASSOCIATES
DESIGNED BY:
DRAWN BY: TO, NO, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.
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DRAWING NO.
LA701-1A

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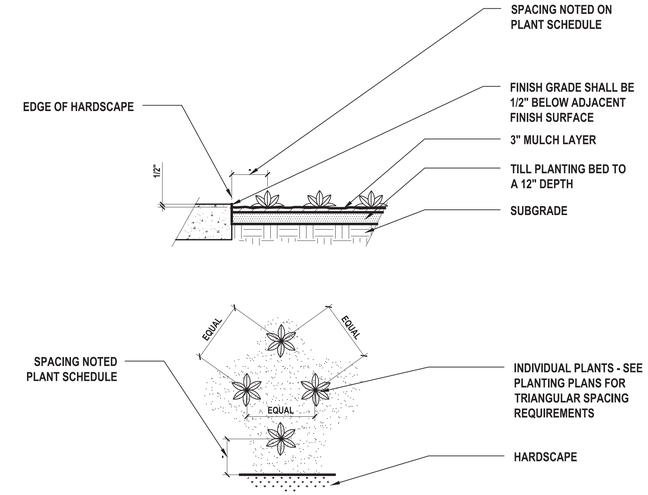
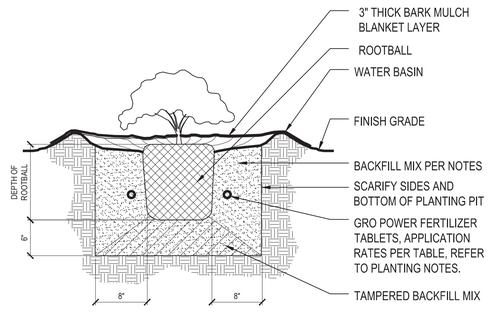


NOTES:
1. CROSS RIP AREAS TO RECEIVE SOIL AMENDMENTS TO A DEPTH OF 12". BLEND SOIL AMENDMENTS INTO NATIVE SOIL TO AVOID ANY DISTINCT SOIL PROFILE. INSTALL GROUND CORES IN MOIST SOIL.
2. MAXIMIZE QUANTITY OF PLANTING WITHIN PLANTING AREA WITH O.C. SPACING.

1 MASS PLANTING
SCALE: 1" = 1'-0"



2 SHRUB PLANTING
SCALE: 1/2" = 1'-0"

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BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT
DEAN HOWELL 6766
Signature
Revised Date
Date
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER
ARCHITECTURAL DIVISION
12/16/2021
ARCHITECT: DEBRA GEROD
LIC. NO. C23565
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/201

CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PLANTING DETAILS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. LA800-1A
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REVISION DATES (DESIGN STAGE ONLY)

TREE MITIGATION NOTES

QUALITY ASSURANCE:

1. GENERAL RESPONSIBILITY: THE CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR PROTECTION AND WELFARE OF EXISTING TREES WITHIN THE CONTRACT LIMITS, WHICH ARE NOTED TO REMAIN. THIS INCLUDES VEHICULAR ACCESS AREAS LEADING TO THE CONSTRUCTION ZONE, LAY DOWN AREAS, AND ANY OTHER AREAS IMPACTED BY CONSTRUCTION ACTIVITIES. THIS RESPONSIBILITY SHALL CONTINUE THROUGHOUT THE FULL CONSTRUCTION PERIOD UNTIL THE PROJECT IS COMPLETED AND ACCEPTED BY THE CITY.

2. ALL TREE PRUNING, TREE ROOT PRUNING AND TREE CROWN PRUNING REQUIRE A PRUNING PERMIT AND APPROVAL FROM THE CITY ARBORIST.

3. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE EXISTING TREES TO BE PRESERVED FROM INJURY OR DEATH. PROTECTION SHALL BE GIVEN TO THE ROOTS, TRUNK, AND FOLIAGE OF ALL EXISTING TREES AND SHRUBS TO REMAIN.

4. ANY DAMAGE TO EXISTING TREES DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DALLAS CITY ARBORIST SHALL DETERMINE THE REPLACEMENT VALUE.

JOB CONDITIONS:

THE CONTRACTOR SHALL CONTACT PROJECT MANAGER, PROJECT ARBORIST, AND CITY ARBORIST AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE PRE-CONSTRUCTION FIELD MEETING . THE PURPOSE OF THE MEETING SHALL BE TO ESTABLISH THE CONDITIONS OF ALL EXISTING TREES TO BE PRESERVED OR RELOCATED. FAILURE TO CALL FOR SAID MEETING IMPLIES ACCEPTANCE BY THE CONTRACTOR OF TREES TO BE PRESERVED IN THEIR EXISTING CONDITION.

PROTECTION OF TREES:

1. ALL STREET TREES SHALL BE PROTECTED IN PLACE DURING THE COURSE OF CONSTRUCTION.

2. DURING CONSTRUCTION THE EXISTING SITE SURFACE DRAINAGE PATTERNS SHALL NOT BE ALTERED WITHIN THE CRITICAL ROOT ZONE OF ANY TREE WITHOUT WRITTEN PERMISSION OF THE CITY ARBORIST.

3. THE CONTRACTOR SHALL NOT ALTER THE EXISTING WATER TABLE WITHIN THE AREA OF THE DRIP LINE DURING ROUGH GRADING.

4. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO MAINTAIN HEALTHY LIVING CONDITIONS FOR EXISTING TREES TO BE PRESERVED. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO PERIODIC MITIGATING CONSTRUCTION-RELATED DUST ACCUMULATION ON ALL TREES BY SPRAYING THE TRUNKS, LIMBS, AND FOLIAGE WITH WATER, ETC.

5. IF CONSTRUCTION OCCURS WITHIN THE BIRD NESTING SEASON , BREEDING BIRD SURVEYS SHALL BE CONDUCTED AS RECOMMENDED BY THE DEPARTMENT OF FISH AND WILDLIFE. FEDERAL AND STATE LAW PROHIBIT DESTRUCTION OF RAPTOR, MIGRATORY, AND SONG BIRDS. IT IS THE CONTRACTOR'S AND PERMITEE'S RESPONSIBILITY TO ENSURE THESE LAWS ARE NOT VIOLATED DURING THE EXECUTION OF THIS PROJECT.

6. IF AN ACTIVE NATIVE BIRD SPECIES NEST IS LOCATED, CONSTRUCTION WITHIN 300 FEET OR 500 FEET FOR RAPTOR NESTS SHALL BE POSTPONED OR MODIFIED IN CONSULTATION WITH THE QUALIFIED BIOLOGIST UNTIL THE NEST IS VACATED, JUVENILES HAVE FLEDGED AND THERE IS NO EVIDENCE OF A SECOND ATTEMPT AT NESTING.

7. THE CONTRACTOR SHALL ADHERE TO THE FOLLOWING REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO:

a. NO STORAGE OF ANY CONSTRUCTION EQUIPMENT.
b. NO STOCKPILING OF BUILDING MATERIALS OR REFUSE OF EXCAVATED MATERIALS.
c. NO OBJECTS OF ANY KIND TO BE ATTACHED TO THE TREES INCLUDING NAIL GRADE STAKES.
d. EXCESSIVE WATER OR HEAT FROM EQUIPMENT, UTILITY LINE CONSTRUCTION, OR BURNING OF TRASH UNDER OR NEAR SHRUBS OR TREES.
e. DAMAGE TO THE ROOT SYSTEM FROM FLOODING, EROSION, AND EXCESSIVE WETTING AND DRYING RESULTING FROM DEWATERING AND OTHER OPERATIONS.
f. NO DISTURBANCE OF SOIL OR GRADE CHANGES.

8. EXCAVATION AROUND TREES: CONTRACTOR SHALL PRODUCE A TREE CARE AND MAINTENANCE PLAN WRITTEN BY THE PROJECT ARBORIST OF RECORD FOR CONSTRUCTION WORK THAT INVOLVES CUTTING ON ANY ROOTS AND THAT MAY HAVE POTENTIAL IMPACT TO TREES IN THE PUBLIC RIGHT OF WAY. ANY DAMAGE TO ANT STREET TREE CAUSED THROUGH CONTRACTOR NEGLECT SHALL BE REPORTED TO THE CITY ARBORIST AND REPAIRED IMMEDIATELY.

9. EXCAVATION OR FILL WITHIN DRIP LINES OF TREES SHALL BE DONE ONLY WHERE ABSOLUTELY NECESSARY AND WITH THE CERTIFIED ARBORIST.

10. WHERE TRENCHING FOR UTILITIES IS REQUIRED WITHIN DRIP LINES, IT SHALL BE UNDER THE SUPERVISION AND DIRECTION OF THE ARBORIST OF RECORD AND MAY REQUIRE APPROVAL BY THE CITY ARBORIST.

11. PRUNING OF TREE CROWN MAY BE REQUIRED TO BALANCE LOSS TO THE ROOT SYSTEM CAUSED BY DAMAGE OR CUTTING OF THE ROOT SYSTEM AS DIRECTED BY THE CITY ARBORIST

12. THE AREA OF TREE ROOT PROTECTION (OR TREE PROTECTION ZONE) IS WITHIN THE DRIP LINE OF THE TREE. A PERMIT TO ROOT PRUNE STREET TREES IS REQUIRED FOR WORK PERFORMED WITHIN THE AREA OF ROOT PROTECTION. THE CITY DALLAS CITY ARBORIST WILL PROVIDE ROOT PRUNING INSTRUCTION ON THE PERMIT TO ROOT PRUNE STREET TREES. ROOT PRUNING SHALL BE IN COMPLIANCE WITH ANSI A300 GUIDELINES AND TO THE SATISFACTION OF CITY ARBORIST. WHERE TRENCHING WITHIN THE AREA OF TREE ROOT PROTECTION IS UNAVOIDABLE, CITY ARBORIST MAY REQUIRE TRENCHING ALTERNATIVES SUCH AS BORING BELOW THE TREE ROOTS.

13. FENCE SHALL BE MINIMUM 4' HIGH, STURDY AND VISIBLE. ERECT CONSTRUCTION FENCING (CHAIN LINK) OR OTHER ACCEPTABLE PROTECTION AROUND TREES THAT ARE INDICATED TO REMAIN IN-PLACED. MAINTAIN MINIMUM CLEARANCE OF SIX INCHES OUTSIDE DRIP LINE OF SUCH TREES EXCEPT FOR TREES WITHIN SIDEWALKS OF PUBLIC RIGHT-OF-WAY AND/OR WHEN WORK HAS TO BE PERFORMED WITHIN THE AREA OF TREE ROOT PROTECTION. WITHIN SIDEWALKS, ERECT FENCES AS SHOWN IN DIAGRAM. WHERE CONSTRUCTION WITHIN THE AREA OF TREE ROOT PROTECTION IS UNAVOIDABLE, LOCATE PROTECTION FENCING BETWEEN WORK AREA AND TREE NO CLOSER THAN SIX INCHES AROUND THE ROOT FLARE ZONE. FENCE AREAS WITHIN DRIP LINE OF TREES ON ADJACENT PROPERTY THAT OVERHANG THE WORKSITE. FENCING SHALL NOT IMPEDE INTO TRAFFIC OR BLOCK PEDESTRIAN PATHWAY. FENCING SHALL BE CONSTRUCTED IN A MANNER THAT IS SAFE AND NOT BECOME A HAZARD TO THE PUBLIC.

14. IF FOOT, VEHICLE OR CONSTRUCTION MACHINERY TRAVELS WITHIN THE TREE PROTECTION ZONE, 6"-12" WOOD MULCH OR A ¾" PLYWOOD OVER 4" LAYER OF MULCH SHALL BE PLACED WITHIN THE TREE PROTECTION ZONE.

15. CONTRACTOR SHALL PLACE PLANTS WITHIN THE CRITICAL ROOT ZONE TO AVOID ROOTS LARGER THAN 1". PRIOR TO MANUALLY DIGGING OF PLANT PIT, CONTRACTOR SHALL VISUALLY INSPECT TO MAKE SURE NO VISIBLE TREE ROOTS ARE PRESENT. WHEN ENCOUNTERING ROOTS LARGER THAN 1", CONTRACTOR SHALL BACKFILL PLANT PIT AND FOOT TAMP TO ORIGINAL GRADE.

BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT · DEBRA L. TWOMEY, RLA · No. 5665 · Renewal Date · Date · STATE OF CALIF.

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD — LIC. NO. C23665

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: TD, ND, MS

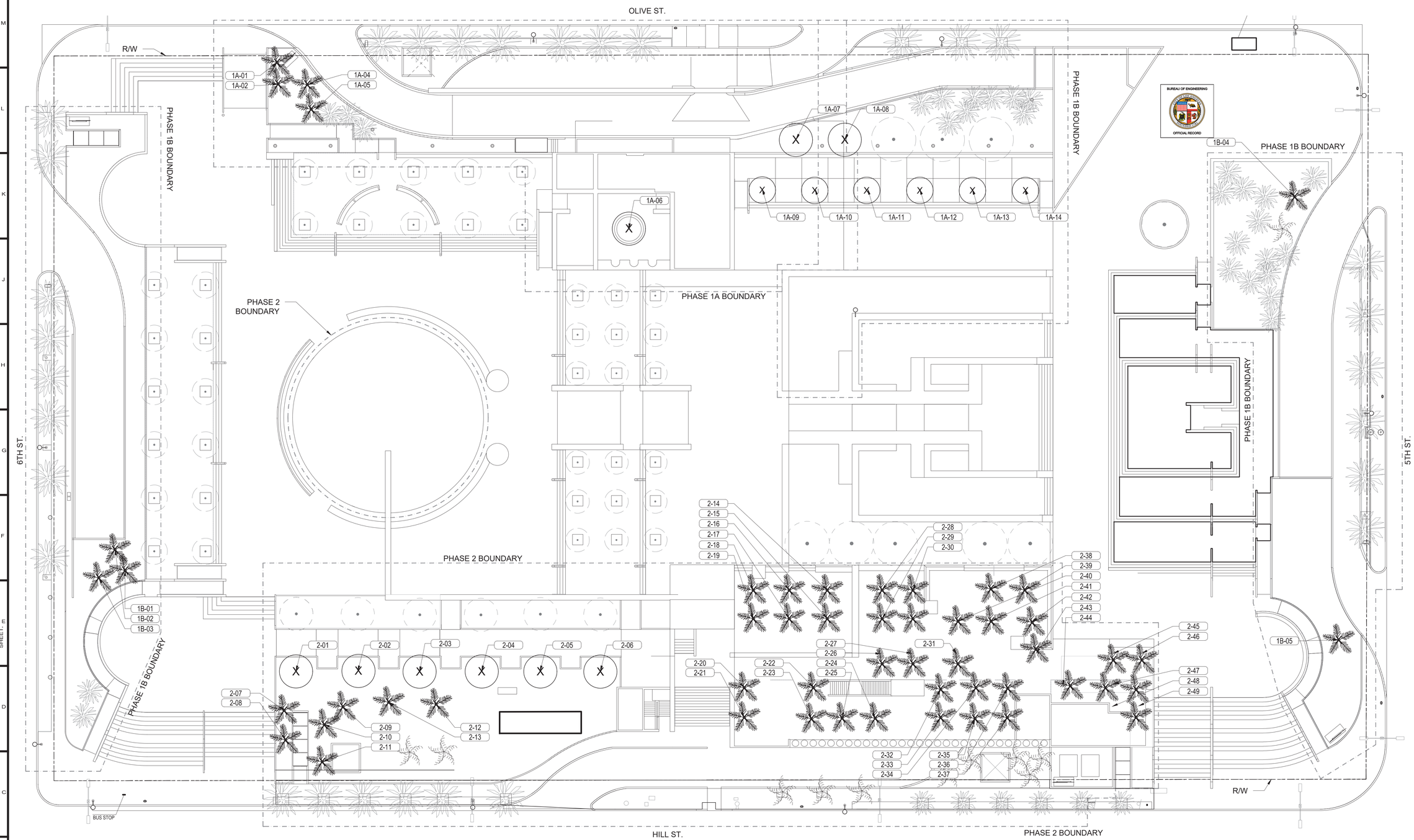
CHECKED BY: DH

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	OVERALL SITE PLAN
PROJECT:	PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS:	530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.	----------
PLAN FILE NO.	[ENTER INFO.]
DRAWING NO.	L100
SHEET	SHEETS OF

PLOTTED:



1 TREE MITIGATION PLAN

SCALE: 1" = 20'-0"

NOTES

1. SEE L200 FOR SPECIES, CALIPER, AND ATTRIBUTES OF EXISTING TREES TO BE REMOVED.

TREE MITIGATION LEGEND

- EXISTING PALM TO REMAIN
- EXISTING PALM TO REMOVE
- EXISTING PALM TO BE RELOCATED, SEE LANDSCAPE PLANS
- EXISTING CANOPY TREE TO REMAIN
- X EXISTING CANOPY TREE TO REMOVE

GRUENASSOCIATES
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

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BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT DEAN HOWELL 6766 STATE OF CALIFORNIA

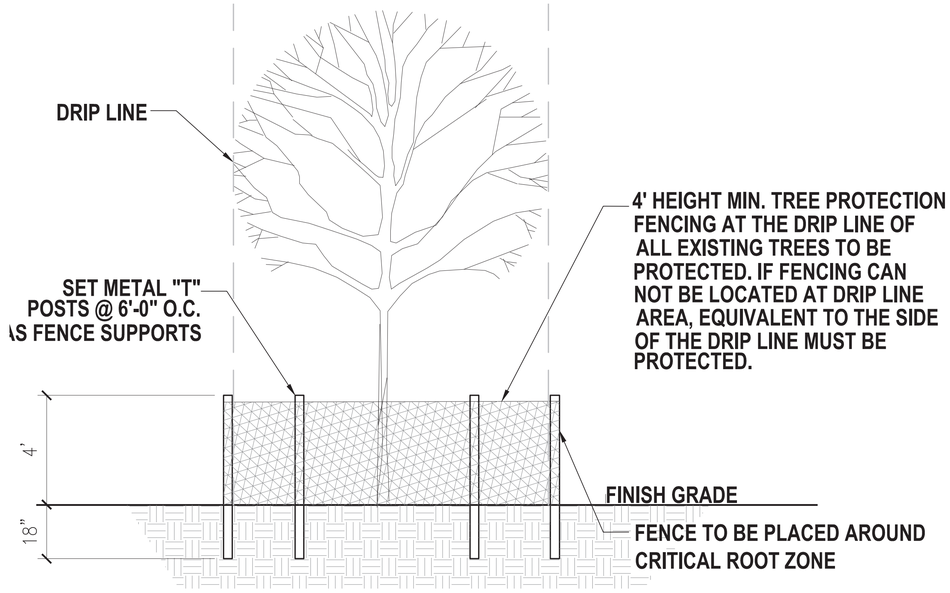
GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/16/2021
ARCHITECT: DEBRA GEROD — ARCHITECTURAL DIVISION — LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: OVERALL SITE PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. L150
SHEET OF SHEETS
PLOTTED:

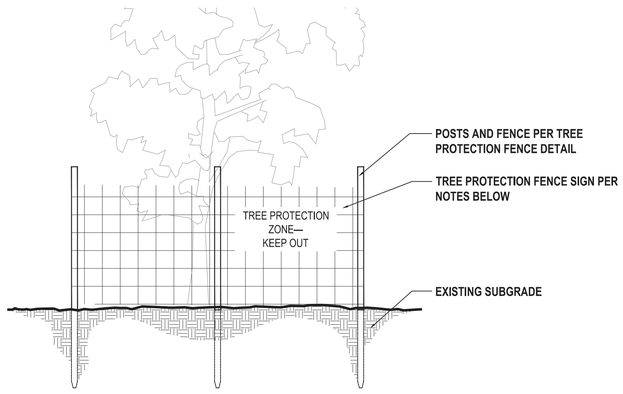
EXISTING TREE REMOVAL INVENTORY

TREE #	SPECIES		CALIPER INCHES	LOCATION		HERITAGE TREE SPECIES
	BOTANICAL NAME	COMMON NAME		R/W	ON-SITE	
1A-01	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"			
1A-02	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
1A-03	NOT USED	NOT USED			X	
1A-04	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
1A-05	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
1A-06	CEIBA SPECIOSA	SILK FLOSS TREE	13"		X	
1A-07	TIPUANA TIPU	TIPU	1"		X	
1A-08	TIPUANA TIPU	TIPU	16"		X	
1A-09	CERCIS OCCIDENTALIS	WESTERN REDBUD	3"		X	
1A-10	CERCIS OCCIDENTALIS	WESTERN REDBUD	3"		X	
1A-11	CERCIS OCCIDENTALIS	WESTERN REDBUD	3"		X	
1A-12	CERCIS OCCIDENTALIS	WESTERN REDBUD	2"		X	
1A-13	CERCIS OCCIDENTALIS	WESTERN REDBUD	0.5"		X	
1A-14	CERCIS OCCIDENTALIS	WESTERN REDBUD	3"		X	
1B-01	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
1B-02	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
1B-03	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
1B-04	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	17"		X	
1B-05	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
2-01	CINNAMOMUM CAMPHORA	CAMPHOR	12"		X	
2-02	CINNAMOMUM CAMPHORA	CAMPHOR	11"		X	
2-03	CINNAMOMUM CAMPHORA	CAMPHOR	10"		X	
2-04	CINNAMOMUM CAMPHORA	CAMPHOR	14"		X	
2-05	CINNAMOMUM CAMPHORA	CAMPHOR	12"		X	
2-06	CINNAMOMUM CAMPHORA	CAMPHOR	9"		X	
2-07	ARCHONTOPHOENIX ALEXANDRAE	KING PALM	12"		X	
2-08	ARCHONTOPHOENIX ALEXANDRAE	KING PALM	12"		X	
2-09	ARCHONTOPHOENIX ALEXANDRAE	KING PALM	8"		X	
2-10	ARCHONTOPHOENIX ALEXANDRAE	KING PALM	11"		X	
2-11	ARCHONTOPHOENIX ALEXANDRAE	KING PALM	8"		X	
2-12	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	5"		X	
2-13	WASHINGTONIA ROBUSTA	MEXICAN FAN PALM	5"		X	
2-14	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-15	SYAGRUS ROMANZOFFIANA	QUEEN PALM	13"		X	
2-16	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-17	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-18	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-19	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-20	SYAGRUS ROMANZOFFIANA	QUEEN PALM	15"		X	
2-21	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-22	SYAGRUS ROMANZOFFIANA	QUEEN PALM	13"		X	
2-23	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-24	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-25	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-26	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-27	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-28	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-29	SYAGRUS ROMANZOFFIANA	QUEEN PALM	9"		X	
2-30	SYAGRUS ROMANZOFFIANA	QUEEN PALM	10"		X	
2-31	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-32	SYAGRUS ROMANZOFFIANA	QUEEN PALM	9"		X	
2-33	SYAGRUS ROMANZOFFIANA	QUEEN PALM	8"		X	
2-34	SYAGRUS ROMANZOFFIANA	QUEEN PALM	10"		X	
2-35	SYAGRUS ROMANZOFFIANA	QUEEN PALM	10"		X	
2-36	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-37	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-38	SYAGRUS ROMANZOFFIANA	QUEEN PALM	10"		X	
2-39	SYAGRUS ROMANZOFFIANA	QUEEN PALM	13"		X	
2-40	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-41	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-42	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-43	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-44	SYAGRUS ROMANZOFFIANA	QUEEN PALM	10"		X	
2-45	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-46	SYAGRUS ROMANZOFFIANA	QUEEN PALM	10"		X	
2-47	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	
2-48	SYAGRUS ROMANZOFFIANA	QUEEN PALM	11"		X	
2-49	SYAGRUS ROMANZOFFIANA	QUEEN PALM	12"		X	



NOTES:
1. TREE PROTECTION FENCING TO BE A MINIMUM 4' HIGH.
2. NO CONSTRUCTION TRAFFIC, GRADING, STORAGE OR WASTE DISPOSAL ALLOWED WITHIN THE TREE PROTECTION FENCING.
3. TREE PROTECTION FENCING TO BE CONSTRUCTED WITH ADEQUATE, DURABLE MATERIAL SUCH AS CHAIN LINK, WIRE MESH, OR WOOD FENCE MATERIAL AS APPROVED BY THE BUILDING OFFICIAL, AND LOCATED AT THE DRIPLINE OR EDGE OF CRITICAL ROOT ZONE UNLESS THE BUILDING OR OTHER OBSTACLE DETERMINES THAT A FENCE LINE CLOSER TO THE TRUNK WILL NOT BE LIKELY TO RESULT IN DAMAGE TO THE TREE.
4. TREE PROTECTION FENCE TO BE MAINTAINED AND REPAIRED AS NECESSARY DURING CONSTRUCTION.
5. MULCH AREAS WHERE SOIL COMPACTION IS LIKELY TO OCCUR WITH A MINIMUM 4" LAYER OF WOOD CHIP MULCH OR BY OTHER OPTIONS LISTED IN ISA BEST MANAGEMENT PRACTICES, OR BY METHODS AND MATERIALS RECOMMENDED BY CONSULTING ARBORIST AND APPROVED BY THE BUILDING OFFICIAL.

1 TREE PROTECTION FENCING
SCALE: 1/2"=1'-0"



NOTES:
1. INSTALL TREE PROTECTION FENCE AND SIGNAGE PRIOR TO CONSTRUCTION ON SITE
2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL
3. LETTERS ARE TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED
4. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AREAS
5. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC

2 TREE PROTECTION FENCE SIGN
SCALE: 1/4"=1'-0"

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ENGINEERING CITY OF LOS ANGELES

NO	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT DEAN T. MACKAY No. 4419 Renewal Date Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — LIC. NO. C29865
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: HARDSCAPE NOTES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. L200
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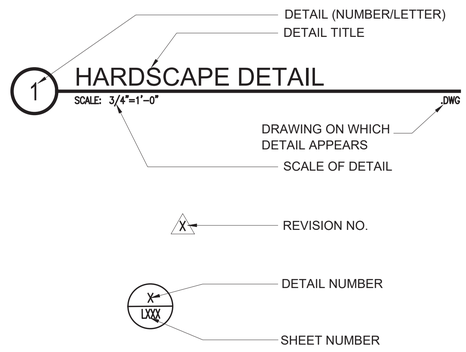
SYMBOLS



ABBREVIATIONS

A.D.	AREA DRAIN
AFF	ABOVE FINISH FLOOR
BOC	BACK OF CURB
CB	CATCH BASIN
CJ	CONTROL JOINT
CCJ	CRACK CONTROL JOINT
C.I.P.	CAST IN PLACE
℄	CENTER LINE
CLR	CLEAR
CONT	CONTINUOUS
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DIA.	DIAMETER
DIM	DIMENSION
DN	DOWN
(E)	EXISTING
EJ	EXPANSION JOINT
EQ.	EQUAL
FG	FINISH GRADE
FT OR ( ) '	FEET OR FOOT
GALV. MAT	GALVANIZED MATERIAL
IN OR ( ) "	INCHES OR INCH
MAX	MAXIMUM
MIN.	MINIMUM
(N)	NEW
NTS	NOT TO SCALE
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
P.A.	PLANTING AREA
ROW OR R/W	RIGHT-OF-WAY
SCH	SCHEDULE
SIM	SIMILAR
TB	TOP OF BENCH
TOC	TOP OF CURB
TS	TOP OF SOIL
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V/F	VERIFY IN FIELD
W/	WITH
WD	WIDTH
WWM	WELDED WIRE MESH

HARDSCAPE NOTES

GENERAL NOTES

1. CONTRACTOR SHALL INSTALL ALL IMPROVEMENTS IN ACCORDANCE WITH THE CITY REQUIREMENTS. IN CASE OF DISCREPANCY BETWEEN THESE PLANS AND THE CITY'S REQUIREMENTS, THE MOST STRINGENT REQUIREMENT WILL APPLY.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL CONDITIONS PRIOR TO SUBMITTING A PROPOSAL OF COST FOR CONSTRUCTION.
3. CONTRACTOR SHALL READ THESE PLANS AND NOTES COMPLETELY AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE CLIENT REPRESENTATIVE IMMEDIATELY UPON DISCOVERY & PRIOR TO THE COMMENCEMENT OF ANY FURTHER WORK.
4. EXTRA WORK SHALL BE APPROVED IN WRITING BY THE OWNER PRIOR TO COMMENCEMENT OF WORK.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, UTILITIES, SEWERS, WATER LINES, ETC. COORDINATE WORK WITH OTHER SUB-CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES UNDER PAVING, ELECTRICAL CONNECTIONS, WATER HOOK-UPS, ETC.
6. ALL REQUIREMENTS OF THE UNIFORM BUILDING CODE SHALL APPLY TO THE WORK SPECIFIED HEREIN UNLESS OTHERWISE MODIFIED BY THESE DOCUMENTS.
7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO COMPLETE THE WORK SPECIFIED.
8. CONTRACTOR TO NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-227-2600 48 HOURS PRIOR TO ANY EXCAVATION.
9. CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STARTING CONSTRUCTION.
10. CONTRACTOR TO COORDINATE A PRE-CONSTRUCTION MEETING ON SITE 48 HOURS PRIOR TO START OF CONSTRUCTION. NOTIFY OWNER, CLIENT REPRESENTATIVE, AND ALL SUB-CONTRACTORS.
11. CONTRACTOR TO SUBMIT REQUESTS FOR MEETINGS, OBSERVATIONS, AND APPROVALS BY THE LANDSCAPE ARCHITECT AT LEAST 48 HOURS PRIOR TO THE DATE AND TIME PROPOSED.
12. OBTAIN THE CITY OF LOS ANGELES INSPECTOR'S AND LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL OF WORK IN PROGRESS AT VARIOUS TIMES DURING CONSTRUCTION. THE FOLLOWING REVIEWS/MEETINGS ARE MANDATORY. PROVIDE 48 HOURS NOTICE FOR EACH REQUESTED VISIT.
    * PRE-JOB CONFERENCE
    * COVERAGE TEST UPON COMPLETION OF SPRINKLER INSTALLATION
    * FINAL GRADING REVIEW
    * PLANT MATERIAL LOCATION REVIEW
    * PLANT MATERIAL APPEARANCE AND QUALITY REVIEW
    * SOIL PREPARATION AND PLANTING INSTALLATION METHODS
    * FINAL WALK THROUGH (AT COMPLETION OF PLANTING INSTALLATION)
    * FINAL WALK THROUGH (AT COMPLETION OF MAINTENANCE PERIOD)
13. FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.

CONSTRUCTION NOTES

14. CONTRACTOR TO VERIFY ALL LOCATIONS AND CONDITIONS ON SITE PRIOR TO THE START OF CONSTRUCTION. NOTIFY CLIENT REPRESENTATIVE IMMEDIATELY IF ANY ERRORS OR DISCREPANCIES ARE FOUND, BEFORE PROCEEDING WITH ANY WORK.
15. DO NOT SCALE DRAWINGS. USE DIMENSIONS AS INDICATED ON PLAN.
16. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN APPARENT DURING DESIGN. OBTAIN DIRECTION BEFORE PROCEEDING WITH CONSTRUCTION IN SUCH CASES.
17. THE LOCATION OF ALL SERVICE RUNS, SUCH AS WATER SUPPLY, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, SANITARY SEWER, ETC. SHOULD BE ASCERTAINED BEFORE WORK IS STARTED, WHERE THEY WILL BE AFFECTED BY EXCAVATION OR WHERE MACHINES MAY BE WORKING NEARBY, THEY SHOULD BE CAREFULLY SEALED, PROTECTED, OR DIVERTED. NOTIFY CLIENT REPRESENTATIVE OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.
18. COORDINATE ALL UTILITY RUNS AND INSTALLATIONS (EXISTING AND NEW) PRIOR TO PAVING INSTALLATION, VERIFY ALL SLEEVES AND ELECTRIC SOURCES FOR IRRIGATION CLOCK AND LIGHTING WITH PROPER SUB-CONTRACTORS.
19. OBTAIN INSPECTION AND APPROVAL OF ALL FORMS PRIOR TO PLACING PAVING.
20. CLEAN OUT AND ADJUST EXISTING DRAINS TO ACCOMMODATE PROPOSED DRAINAGE. ADJUST LATERAL DRAIN LINES AS NECESSARY TO BEST LINK EXISTING MAIN LINES.
21. TRANSITIONS FROM EXISTING PAVING TO NEW PAVING SHALL BE FLUSH.
22. CONSTRUCT ALL WALLS, PAVING, DRAIN LINES, SLEEVING, ETC. PER PLAN AND DETAILS.
23. CONCRETE TO SLOPE FROM FOUNDATION TOWARDS DRAIN INLETS AND DRAINAGE SWALES AT A MINIMUM RATE OF 1/8" PER FOOT. INSTALL CONCRETE FORMS WITH LONG, SMOOTH GRADIENTS TO ELIMINATE DIPS, RIDGES, ABRUPT CHANGES OF GRADE, AND SHARP TRANSITIONS.
24. INSTALL EXPANSION JOINTS @ MAX. 8'. INSTALL CRACK CONTROL JOINTS @ MAX. 16'. ZIP JOINTS WILL NOT BE ALLOWED. INSTALL EJ'S AND CCJ'S AT 90° TO THE EDGE OF CONCRETE PAVING. SEE PLAN FOR ADDITIONAL INFORMATION AND LOCATIONS.
25. PRIOR TO PLACING CONCRETE, SUFFICIENTLY MOISTEN THE SUBGRADE AND PROVIDE SUBGRADE PREPARATIONS PER THE SOILS ENGINEER.
26. INSTALL TYPE V CONCRETE THAT OBTAINS A MINIMUM COMPRESSIVE STRENGTH OF 2,500 P.S.I. AT 28 DAYS UNLESS OTHERWISE SPECIFIED ON THESE PLANS AND DETAILS. CONCRETE TO BE STANDARD GRAY COLOR WITH A TOPCAST FINISH IN THE PUBLIC RW. REFER TO MATERIAL SCHEDULE FOR INTEGRAL COLORED CONCRETE TO BE USED ONSITE. SUBMIT SAMPLE TO OWNER AND CLIENT REPRESENTATIVE PRIOR TO LAYING OUT FORMS. INSTALL CONCRETE FLATWORK PER RECOMMENDATIONS OF SOILS ENGINEER AND SOILS REPORT. IN CASE OF CONFLICT BETWEEN SOILS REPORT AND DETAILS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
27. BACKFILL AND COMPACT BEHIND ALL WALLS AND MASONRY STRUCTURES, AS REQUIRED ON DRAWINGS AND DETAILS. BACKFILL PLANTERS WITH TOP GRADE SANDY-LOAM TOPSOIL PER PLANTING NOTES.
28. CLEAN UP AND REMOVE ALL DEBRIS FROM SITE PRIOR TO REQUESTING FINAL APPROVAL. GRADE ALL AREAS WITHIN 0.5 INCHES OF FINISH GRADES. NOTE AREAS OF ADDITIONAL GRADING SHOWN. COORDINATE WITH CLIENT REPRESENTATIVE THE FINAL FORM OF LANDSCAPE MOUNDS.

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CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

BUILDING NO. XX/XX

MF-3004492

INDEX NO. -

NO. | REVISIONS: | DATE: | BY:
- | | |

LICENSED LANDSCAPE ARCHITECT | STATE OF CALIFORNIA | GARY LEE MOORE | Expiration Date | Renewal Date | Date

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/16/2021
ARCHITECTURAL DIVISION — LIC. NO. C23805
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, NO, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HARDSCAPE NOTES

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. L001-1A

SHEET OF SHEETS

PLOTTED: 8/21/2019 3:47:24 PM

MATERIAL SCHEDULE - PHASE 1A

MATERIALS SCHEDULE									
CATEGORY	CODE	ITEM	COLOR / ASPECT	FINISH	SIZE	LOCATION	BASIS OF DESIGN / MANUFACTURER	REMARKS	DETAILS
PAVING	CP-01	CIP UNIT PAVER, TYPE 1	VARIEGATED BUFF	LIGHT SHOTBLAST	6" (W) x 18" (L) x4" (D)	OLIVE PLAZA	WAUSAU TILE ; WWW.WAUSAUTILE.COM		4,5,6,7 /L200-1A
	CP-02	CIP UNIT PAVER, TYPE 2	VARIEGATED BUFF	LIGHT SHOTBLAST	6" (W) x 24" (L) x 4" (D)	OLIVE PLAZA SLOPED WALKWAY	WAUSAU TILE ; WWW.WAUSAUTILE.COM		4,5,6,7/L200-1A
	CO-01	POURED REINFORCED CONCRETE	INTEGRAL COLOR OMAHA TAN	TOPCAST 05	THICKNESS PER DETIALS	OLIVE PLAZA RAMP	TRADEMARK CONCRETE SYSTEMS		1,2 /L200-1A
	CL-01	GEOCELLULAR DRAINAGE CELLS	BLACK / DEFAULT		PV-150 INTERLOCKING UNIT	OLIVE PLAZA	PERMAVOID		5 /L201-1A
METAL WORK	SS-01	SKATEBOARD DETERRENT, TYPICAL		S/S BEADBLAST	4'-0" TYPICAL SPACING, 1" TO 2" PROFILE	SITEWIDE, STANDALONE LINEAR BENCHES			1 /L201-1A
	SS-02	SKATEBOARD DETERRENT, TYPICAL		S/S BEADBLAST	4'-0" TYPICAL SPACING, 1" TO 2" PROFILE	BENCHES ADJACENT TO PLANTERS/ WALLS			2 /L201-1A
	SS-03	SKATEBOARD DETERRENT, TYPICAL		S/S BEADBLAST	4'-0" TYPICAL SPACING, 1" TO 2" PROFILE	SITEWIDE, CIRCULAR BENCHES			3 /L201-1A
	BR-01	BIKE RACK	ALUMINUM TEXTURE POWDERCOAT			OLIVE PLAZA	FORMS + SURFACES		6 /L201-1A
POLYMERS	FP-01	FIBERGLASS PLANTER	MEDIUM GREY	SAND FINISH	42" (H) X 60" (DIA.)	OLIVE PLAZA	OLD TOWN FIBERGLASS		3 /L201-1A

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ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. MF-300492 -

NO. REVISIONS: BY: DATE:
- 12/16/2021

LICENSED LANDSCAPE ARCHITECT
DEBRA THEIL
No. 6385
Renewal Date
Date
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HARDSCAPE LEGEND

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S. OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER

ARCHITECTURAL DIVISION — 12/16/2021

ARCHITECT: DEBRA GERKO — LIC. NO. C23685 — 11/08/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: TD, NO, MS

CHECKED BY: DH

APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. L002-1A

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ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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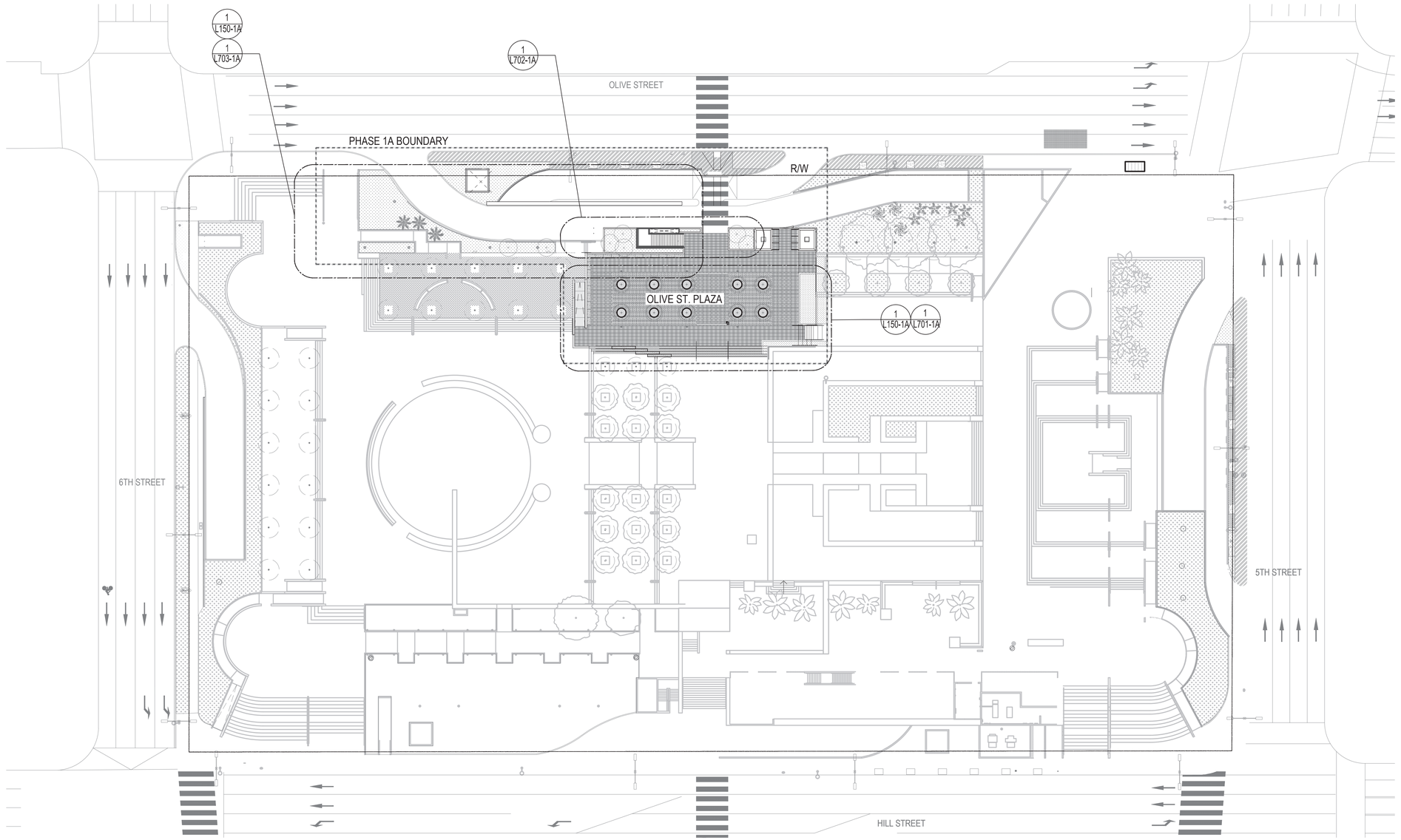

SHEET REFERENCE TABLE - PHASE 1A

HARDSCAPE PLANS	IRRIGATION PLANS	PLANTING PLANS
L150-1A	L401-1A	L701-1A
L151-1A		L702-1A
		L703-1A

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DEPARTMENT OF PUBLIC WORKS

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CITY OF LOS ANGELES

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NO. REVISIONS: DATE: BY:

LICENSED LANDSCAPE ARCHITECT
DEAN THOMAS
No. 5555
Renewal Date
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: OVERALL SITE PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/18/2021
ARCHITECTURAL DIVISION — LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/2021

WORK ORDER NO. ----------
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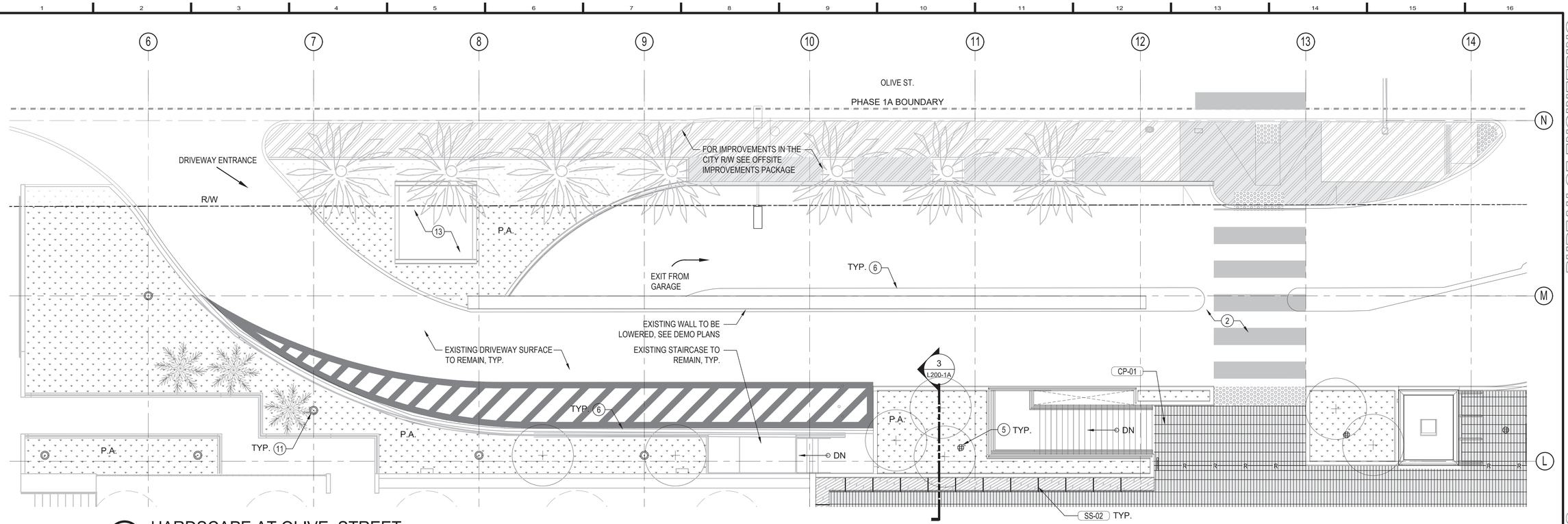

1 HARDSCAPE AT OLIVE STREET

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL SLOPED WALKWAYS ALLOW BARRIER-FREE ACCESS, MAXIMUM SLOPE ALONG LENGTH OF WALKS SHALL NOT EXCEED 5.0% UNLESS OTHERWISE NOTED. SEE CIVIL FOR SITE GRADING.
2. ALL CIP CONCRETE BENCHES TO INTEGRATE CIP SKATE DETERRENT INSTALLATION AT REGULAR INTERVALS.

GENERAL LEGEND & SYMBOLS

(NOTE: NOT ALL SYMBOLS OCCUR ON EACH SHEET)

- PROJECT PHASE BOUNDARY
- RIGHT-OF-WAY
- EXISTING GLOBE LIGHT, VIF
- EXISTING STREET LIGHT
- EXISTING PEDESTRIAN STREET LIGHT, ORNAMENTAL
- UTILITY ACCESS
- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN

PROPOSED MATERIALS LEGEND

(NOTE: NOT ALL MATERIALS ARE USED ON EACH SHEET)

- CONCRETE WITH TOP CAST NO. 05 (CO-01, CO-03)
- CONCRETE WITH TOP CAST NO.50 (CO-02)
- CIP CONCRETE UNIT PAVERS (CP-01, CP-02)
- CIP CONCRETE SEATING (CB-01)
- DECOMPOSED GRANITE (SW-01)
- STABILIZED DECOMPOSED GRANITE (SW-02)
- BONDED PERMEABLE DECOMPOSED GRANITE (SW-03)
- PROPOSED TREE PLANTING, SEE LANDSCAPE PLANS
- PLANTING AREA, SEE LANDSCAPE PLANS
- EJ EJ EXPANSION JOINT
- CJ CONTROL JOINT

EXISTING MATERIALS LEGEND

(NOTE: NOT ALL MATERIALS ARE USED ON EACH SHEET)

- DECOMPOSED GRANITE
- COLORED CONCRETE PAVING
- PATTERNED CONCRETE PAVING
- CIP CONCRETE
- EXISTING CULTRUAL MONUMENT TO BE RELOCATED ON SITE
- EXISTING BOULDER TO BE RELOCATED ON SITE

KEY NOTES

(NOTE: NOT ALL KEYNOTES ARE USED ON EACH SHEET)

1. EXISTING FIRE HYDRANT
2. PROPOSED RAISED CROSSWALK: SEE CIVIL
3. PROPOSED ADA CURB RAMP: SEE CIVIL
4. PROPOSED TRENCH DRAIN: SEE CIVIL
5. PROPOSED ATRIUM DRAIN: SEE CIVIL
6. EXISTING CURB TO REMAIN
7. EXISTING TREE WELL.
8. EXISTING BOLLARD TO REMAIN, PIP
9. PROPOSED CURB: SEE CIVIL.
10. PROPOSED SIGNAGE: SEE ENVIRONMENTAL GRAPHICS
11. PROPOSED SITE LIGHTING: SEE LIGHTING DRAWINGS
12. RENOVATED PEDESTRIAN RAMP: SEE CIVIL
13. EXISTING VENT TO REMAIN
14. EXISTING UTILITY, SEE CIVIL
15. PROPOSED UTILITY, SEE CIVIL

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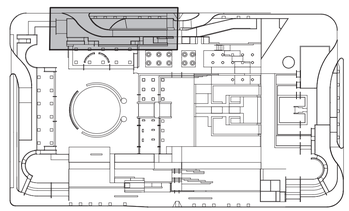
KEY MAP



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DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. -
MF-300492

NO.	REVISIONS:	DATE:	BY:
-			

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: HARDSCAPE PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S. OLIVE ST. LOS ANGELES, CA 90013

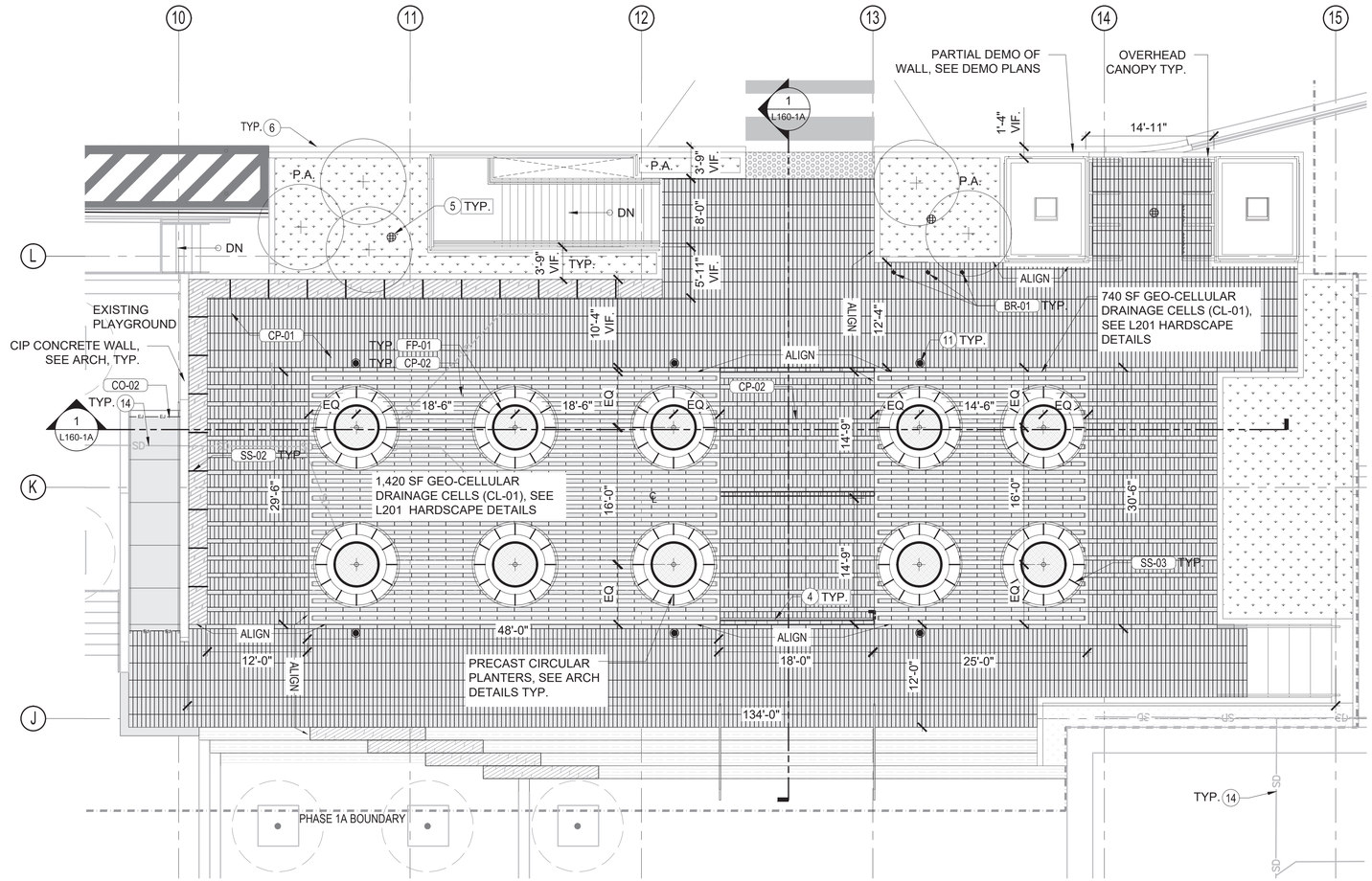
ARCHITECT: DEBRA GERKO	LIC. NO. C23685	12/18/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: TD, ND, MS		
CHECKED BY: DH		11/08/2019
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT		

CITY ENGINEER

LICENSED LANDSCAPE ARCHITECT
DEBRA TWOMEY GERKO
No. 3685
Registration Date
Renewal Date
STATE OF CALIFORNIA

WORK ORDER NO.

PLAN FILE NO.
[ENTER INFO.]
DRAWING NO.
L150-1A
SHEET
SHEETS
OF
PLOTTED:



1 HARDSCAPE PLAN : OLIVE STREET PLAZA

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL SLOPED WALKWAYS ALLOW BARRIER-FREE ACCESS, MAXIMUM SLOPE ALONG LENGTH OF WALKS SHALL NOT EXCEED 5.0% UNLESS OTHERWISE NOTED. SEE CIVIL FOR SITE GRADING.
2. ALL CIP CONCRETE BENCHES TO INTEGRATE CIP SKATE DETERRENT INSTALLATION AT REGULAR INTERVALS.

GENERAL LEGEND & SYMBOLS

(NOTE: NOT ALL SYMBOLS OCCUR ON EACH SHEET)

- PROJECT PHASE BOUNDARY
- RIGHT-OF-WAY
- EXISTING GLOBE LIGHT, VIF
- EXISTING STREET LIGHT
- EXISTING PEDESTRIAN STREET LIGHT, ORNAMENTAL
- UTILITY ACCESS
- EXISTING TREE TO REMAIN
- EXISTING PALM TO REMAIN

PROPOSED MATERIALS LEGEND

(NOTE: NOT ALL MATERIALS ARE USED ON EACH SHEET)

- CONCRETE WITH TOP CAST NO. 05 (CO-01, CO-03)
- CONCRETE WITH TOP CAST NO.50 (CO-02)
- CIP CONCRETE UNIT PAVERS (CP-01, CP-02)
- CIP CONCRETE SEATING (CB-01)
- DECOMPOSED GRANITE (SW-01)
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- BONDED PERMEABLE DECOMPOSED GRANITE (SW-03)
- PROPOSED TREE PLANTING, SEE LANDSCAPE PLANS
- PLANTING AREA, SEE LANDSCAPE PLANS
- EJ EJ EXPANSION JOINT
- C# CONTROL JOINT

EXISTING MATERIALS LEGEND

(NOTE: NOT ALL MATERIALS ARE USED ON EACH SHEET)

- DECOMPOSED GRANITE
- COLORED CONCRETE PAVING
- PATTERNED CONCRETE PAVING
- CIP CONCRETE
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- EXISTING BOULDER TO BE RELOCATED ON SITE

KEY NOTES

(NOTE: NOT ALL KEYNOTES ARE USED ON EACH SHEET)

1. EXISTING FIRE HYDRANT
2. PROPOSED RAISED CROSSWALK: SEE CIVIL
3. PROPOSED ADA CURB RAMP: SEE CIVIL
4. PROPOSED TRENCH DRAIN: SEE CIVIL
5. PROPOSED ATRIUM DRAIN: SEE CIVIL
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8. EXISTING BOLLARD TO REMAIN, PIP
9. PROPOSED CURB: SEE CIVIL.
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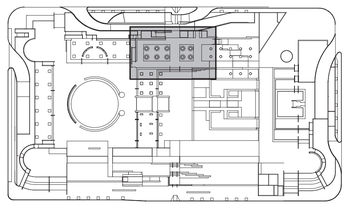
11. PROPOSED SITE LIGHTING: SEE LIGHTING DRAWINGS
12. RENOVATED PEDESTRIAN RAMP: SEE CIVIL
13. EXISTING VENT TO REMAIN
14. EXISTING UTILITY, SEE CIVIL
15. PROPOSED UTILITY, SEE CIVIL

KEY MAP



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GRUEN ASSOCIATES
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BUILDING NO. XX/XX
INDEX NO. -
MF-300492

LICENSED LANDSCAPE ARCHITECT — DEAN T. MILLS — No. 5185 — Registered Date — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: HARDSCAPE PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S. OLIVE ST. LOS ANGELES, CA 90013

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — LIC. NO. C23585 — 12/18/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GERO — LIC. NO. C23585
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT — 11/08/2021

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DRAWING NO. L151-1A
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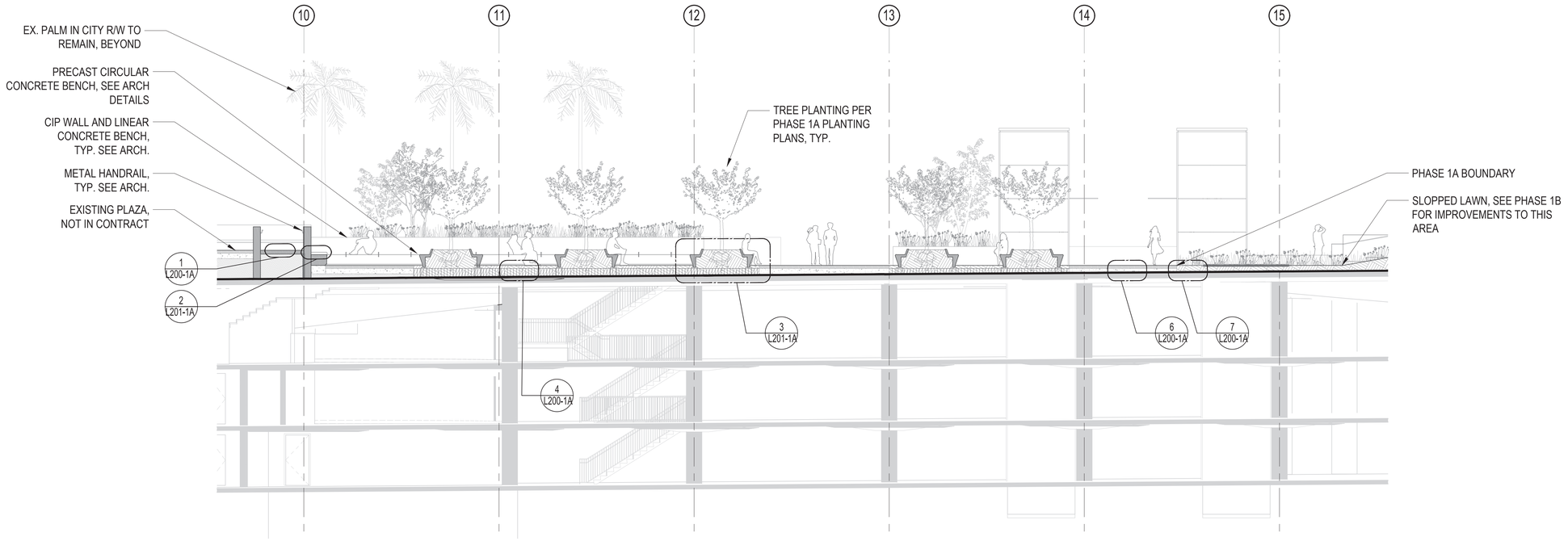
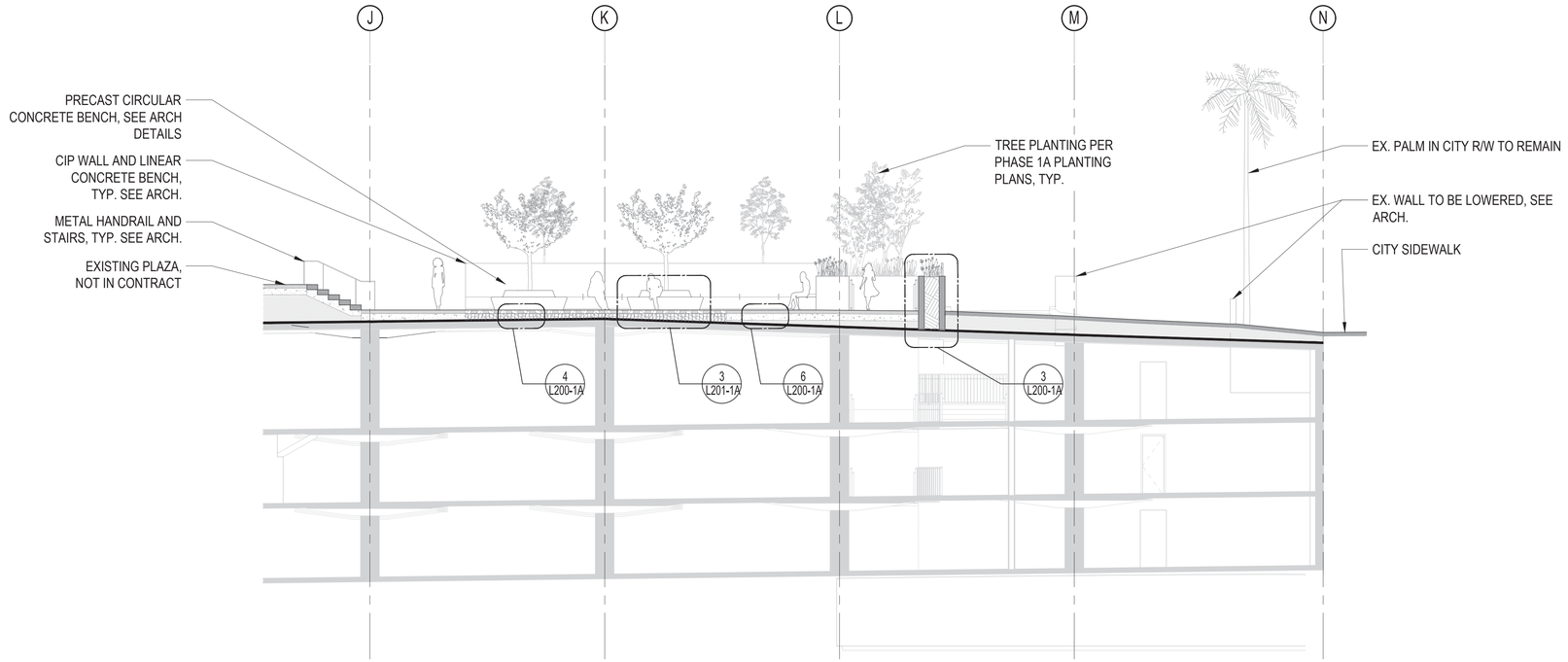


1 SECTION: OLIVE STREET PLAZA

SCALE: 1/8" = 1'-0"



2 SECTION: OLIVE STREET PLAZA ENTRANCE

SCALE: 1/8" = 1'-0"

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BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT DEAN NOWELL, 6788 Signature 12/31/21 Renewal Date Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER
ARCHITECTURAL DIVISION
12/16/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SITE SECTIONS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. L160-1A

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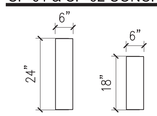
CP-01 & CP-02 CONCRETE PAVER MODULE



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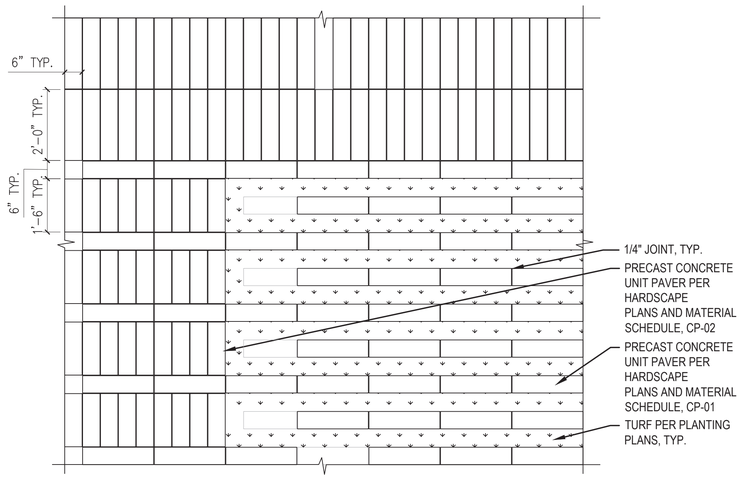

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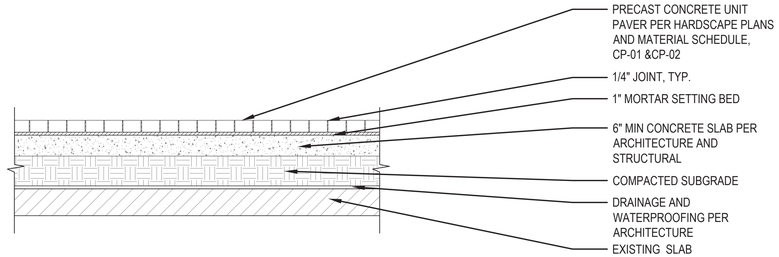
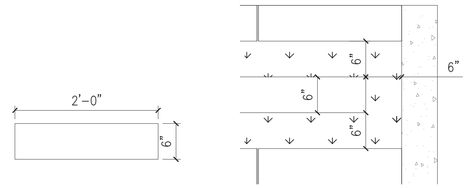


6 PRECAST CONCRETE PAVER (CP-01) (CP-02)

SCALE: 1/2" = 1'-0"

CP-01 PRECAST PAVER MODULE



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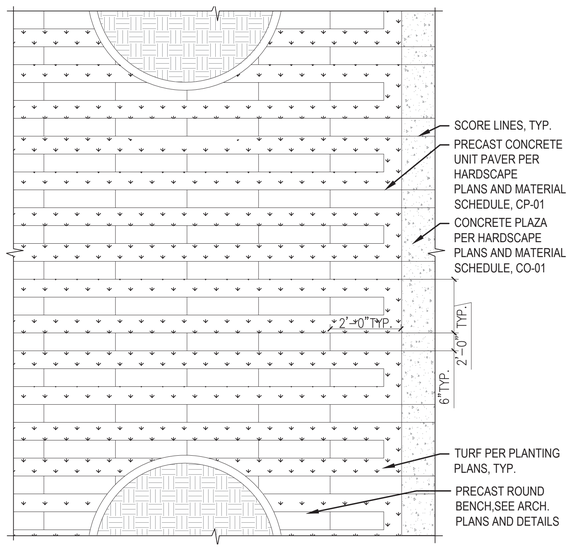

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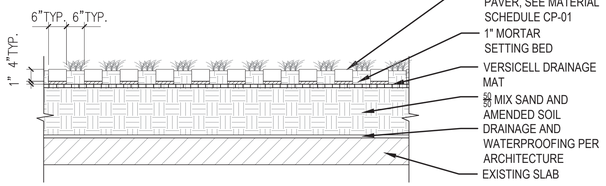
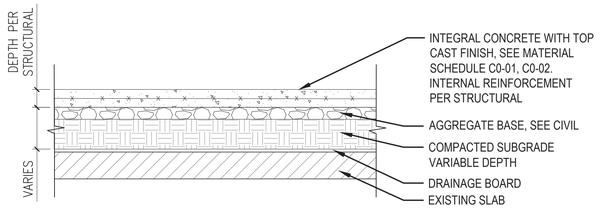


4 PRECAST CONCRETE PAVER @ TURF PLANTING (CP-02)

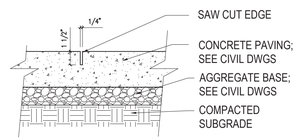
SCALE: 1/2" = 1'-0"



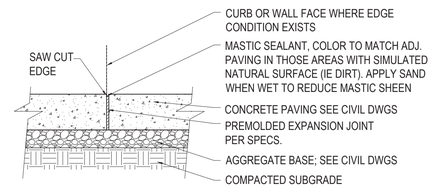
1 SCORED CONCRETE WITH TOPCAST FINISH

SCALE: 1/2" = 1'-0"

CONTROL JOINT



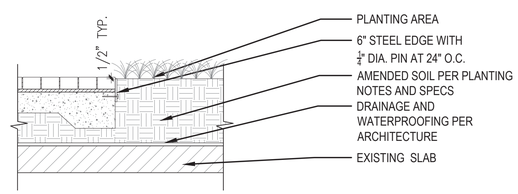
EXPANSION JOINT



NOTE:
1. SEE PLAN FOR LAYOUT AND LOCATION OF JOINTS.

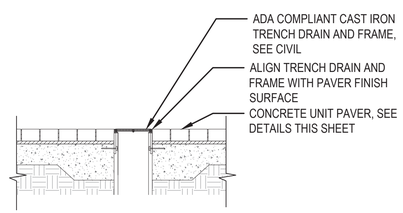
2 CONCRETE JOINTS

SCALE: 1-1/2" = 1'-0"



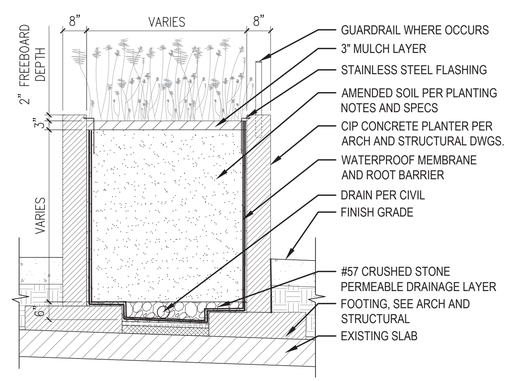
7 UNIT PAVER EDGE CONDITION

SCALE: 1/2" = 1'-0"



5 PRECAST CONCRETE PAVER @ TRENCH DRAIN

SCALE: 1/2" = 1'-0"



3 CIP CONCRETE PLANTER

SCALE: 1-1/2" = 1'-0"

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GRUENASSOCIATES
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NO.	REVISIONS	DATE:	BY:
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INDEX NO. -

MF-300492

LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — Expiration Date — Date — Revision Date

GARY LEE MOORE, PE, ENV SP	CITY ENGINEER
ARCHITECTURAL DIVISION	LIC. NO. C23565
ARCHITECT: DEBRA GEROD	AGENCE TER & GRUEN ASSOCIATES
DESIGNED BY:	
DRAWN BY:	TD, ND, MS
CHECKED BY:	DH
APPROVED BY:	STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT

12/16/2021 — 1/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HARDSCAPE DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

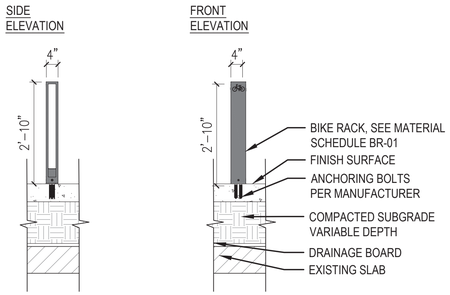
WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. L200-1A

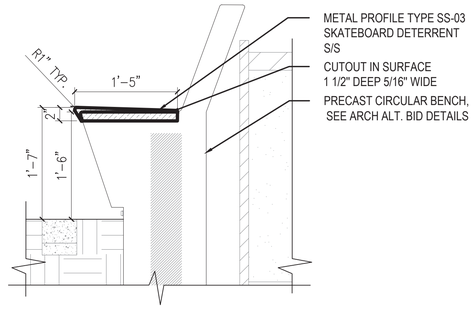
SHEET OF SHEETS

PLOTTED:



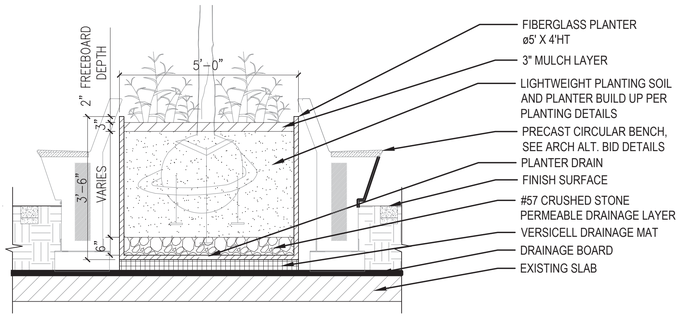
6 BIKE RACK (BR-01)

SCALE: 1/2" = 1'-0"

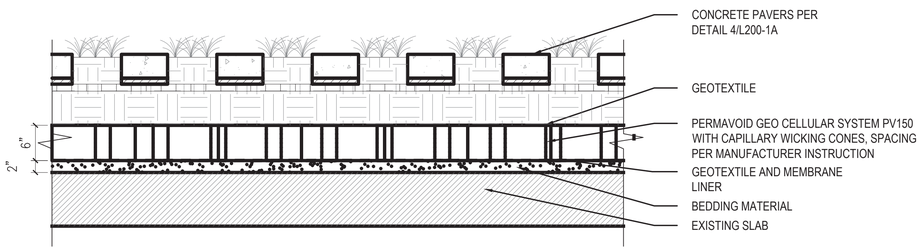


3 SKATE BOARD DETERRENT (SS-03)

SCALE: 1" = 1'-0"



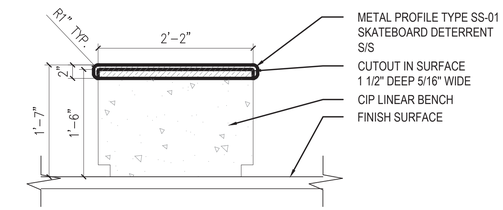
4 FIBERGLASS TREE PLANTER (FP-01)



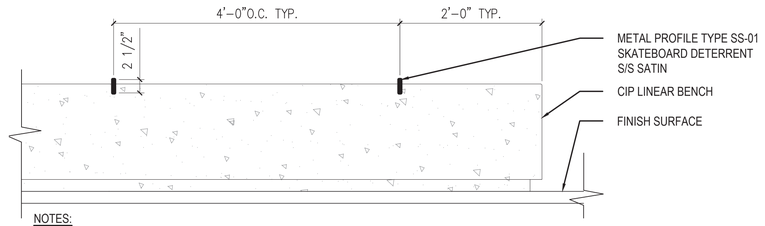
NOTES:
1. ALL PERMAVOID GEO CELLULAR DRAINAGE CELLS ARE AN ALTERNATE BID ITEM. BASE BID SHALL BE COMPACTED SOIL.
2. REFERENCE CIVIL DETAILS FOR GEO CELLULAR DRAINAGE CELL EDGE CONDITION.
3. INSTALL PERMAVOID GEO CELLULAR DRAINAGE CELLS PER MANUFACTURER INSTRUCTION.

5 GEO CELLULAR DRAINAGE CELLS (CL-01)

SECTION



ELEVATION

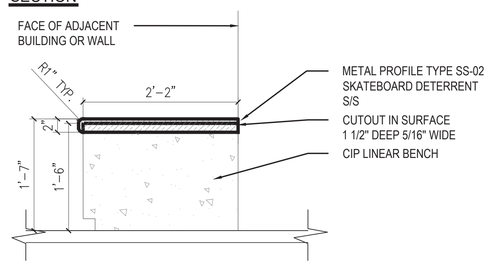


NOTES:
1. SKATEBOARD DETERRENT SS-01 OCCURS ON SITE BENCHES AND WALLS, SEE HARDSCAPE PLANS FOR LOCATION.

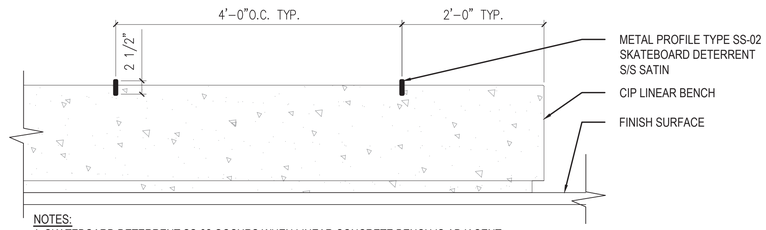
1 SKATE BOARD DETERRENT (SS-01)

SCALE: 1" = 1'-0"

SECTION



ELEVATION



NOTES:
1. SKATEBOARD DETERRENT SS-02 OCCURS WHEN LINEAR CONCRETE BENCH IS ADJACENT TO WALL OR OTHER VERTICAL ELEMENT, SEE HARDSCAPE PLANS FOR LOCATION.

2 SKATE BOARD DETERRENT (SS-02)

SCALE: 1" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agence ter
PAYSAGISTES URBANISTES

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

CITY OF LOS ANGELES PUBLIC WORKS DEPARTMENT OF BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS	DATE:	BY:
-			

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT DEBRA GEROD No. 3653 Renewal Date 08/31/23 STATE OF CALIFORNIA

CITY ENGINEER	GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION	LIC. NO. C28665
ARCHITECT: DEBRA GEROD	LIC. NO. C28665
DESIGNED BY:	AGENCE TER & GRUEN ASSOCIATES
DRAWN BY:	TD, NO, MS
CHECKED BY:	DH
APPROVED BY:	STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE:	12/16/2021
VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	HARDSCAPE DETAILS
PROJECT:	PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS:	530 S OLIVE ST, LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. L201-1A
SHEET OF SHEETS
PLOTTED: 1/08/201

WATER AUDIT AND MAINTENANCE SCHEDULE

THE CONTRACTOR WILL CONDUCT AN IRRIGATION AUDIT USING A CERTIFIED IRRIGATION AUDITOR, AFTER THE FINAL FIELD OBSERVATION HAS BEEN COMPLETED AND ALL IRRIGATION COMPONENTS ARE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE IRRIGATION SYSTEM IS ACCEPTED BY THE PROJECT ARCHITECT FOR MAINTENANCE.

THE IRRIGATION AUDIT WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

1. PLACE FLAGS AT EACH HEAD IN THE ZONE
2. MEASURE SPACING AND MARK MID POINTS BETWEEN HEADS.
3. PLACE WATER MEASURING RECEPTACLES.
4. TAKE READINGS OF WATER LEVEL IN RECEPTACLES AND RECORD RESULTS.
5. MEASURE HEAD PRESSURE IN EACH ZONE AND RECORD RESULTS.
6. AFTER COMPLETING ZONE ADVANCE TO NEXT ZONE AND REPEAT PROCEDURE.
7. SUBMIT THE RESULTS OF THE AUDIT TO THE PROJECT ARCHITECT.

THE IRRIGATION MAINTENANCE SCHEDULE TASKS LISTED BELOW ARE INTENDED AS MINIMUM STANDARDS AND MORE FREQUENT ATTENTION MAY BE REQUIRED DEPENDING ON THE PARTICULAR SITE CONDITIONS.

MAINTENANCE TASK

1. CONTROLLER CABINET - OPEN CABINET AND CLEAN OUT DEBRIS AND REPLACE BATTERY AS NECESSARY. CHECK WIRING AND REPAIR AS NEEDED AND CHECK CLOCK AND RESET IF NECESSARY.
FREQUENCY: QUARTERLY

2. IRRIGATION SCHEDULE - ADJUST SCHEDULE FOR SEASONAL VARIATIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE AMOUNT OF WATER NEEDED TO MAINTAIN PLANT HEALTH ADJUST AS NECESSARY.
FREQUENCY: MONTHLY

3. POC - VISUALLY INSPECT COMPONENTS FOR LEAKS, PRESSURE SETTINGS, SETTLEMENT OR OTHER DAMAGE AFFECTING THE OPERATION OF A COMPONENT. REPAIR AS NEEDED.
FREQUENCY: QUARTERLY

4. REMOTE CONTROL VALVES, ISOLATION VALVES AND QUICK COUPLER VALVES - VISUALLY INSPECT FOR LEAKS, SETTLEMENT, WIRE CONNECTIONS AND PRESSURE SETTINGS. REPAIR OR ADJUST AS NEEDED.
FREQUENCY: QUARTERLY

5. MAINLINE & LATERALS - VISUALLY INSPECT FOR LEAKS OR SETTLEMENT OF TRENCH.
FREQUENCY: QUARTERLY

6. SPRINKLERS - VISUALLY CHECK FOR ANY BROKEN MISALIGNED OR CLOGGED HEADS. HEADS WITH INCORRECT ARC, INADEQUATE COVERAGE OR OVERSPRAY AND LOW HEAD DRAINAGE. REPAIR AS NEEDED.
FREQUENCY: WEEKLY

7. FILTERS AND STRAINERS - VISUALLY CHECK FOR LEAKS, BROKEN FITTING, CLEAN AND FLUSH SCREENS.

AUDIT SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LATEST LANDSCAPE IRRIGATION AUDITOR HANDBOOK. THE LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AND THE AUDIT SCHEDULE SHALL BE CONDUCTED AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

MAINTENANCE SCHEDULES:
MAINTENANCE SCHEDULES. A REGULAR MAINTENANCE SCHEDULE SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

LANDSCAPE SHALL BE MAINTAINED TO ENSURE WATER EFFICIENCY. A REGULAR MAINTENANCE SCHEDULE SHALL INCLUDE, BUT NOT BE LIMITED TO, CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT, RESETTING THE AUTOMATIC CONTROLLER, AERATING AND DETHATCHING TURF AREAS, REPLENISHING MULCH, FERTILIZING, PRUNING, AND WEEDING IN ALL LANDSCAPE AREAS.

WHENEVER POSSIBLE, REPAIR OF IRRIGATION EQUIPMENT SHALL BE DONE WITH THE ORIGINALLY SPECIFIED MATERIALS OR THEIR EQUIVALENTS.

A LANDSCAPE IRRIGATION AUDIT SCHEDULE AS REQUIRED IN CHAPTER 20.09 OF TITLE 20 MAY BE RECOMMENDED. THE MAXIMUM PERIOD BETWEEN AUDITS SHALL BE FIVE YEARS.

IRRIGATION AUDIT SCHEDULES:
LANDSCAPE IRRIGATION AUDIT SCHEDULES. A SCHEDULE OF LANDSCAPE IRRIGATION AUDITS OF AT LEAST EVERY FIVE YEARS MUST BE ESTABLISHED, FOR ALL BUT SINGLE-FAMILY RESIDENCES, AND OTHER PROJECTS WITH LANDSCAPE AREA LESS THAN 1 ACRE (0.405 HA). AS REQUIRED IN CHAPTER 20.09 OF TITLE 20 (UTILITY CODES), AN AUDIT SATISFYING THE FOLLOWING CONDITIONS SHALL BE SUBMITTED TO THE COUNTY AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE.

AT A MINIMUM, AUDITS SHALL BE IN ACCORDANCE WITH THE LATEST STATE OF CALIFORNIA LANDSCAPE WATER MANAGEMENT PROGRAM AS DESCRIBED IN THE LANDSCAPE IRRIGATION AUDITOR HANDBOOK, PREPARED FOR THE CALIFORNIA DEPARTMENT OF WATER RESOURCES, WATER CONSERVATION OFFICE, THE ENTIRE DOCUMENT, WHICH IS HEREBY INCORPORATED BY REFERENCE.

THE SCHEDULE SHALL PROVIDE FOR LANDSCAPE IRRIGATION AUDITS TO BE CONDUCTED BY A QUALIFIED INDIVIDUAL AS DETERMINED BY THE DIRECTOR AT LEAST ONCE EVERY FIVE YEARS IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 20, DIVISION 1 OF THE LOS ANGELES COUNTY CODE.

IRRIGATION CONTROLLER IS A WEATHER BASED CONTROLLER.

BUILDINGS ON SITES WITH OVER 2,500 SQ. FT. OF CUMULATIVE IRRIGATED LANDSCAPED AREAS SHALL HAVE IRRIGATION CONTROLLERS WHICH ARE EITHER WEATHER OR SOIL BASED (PER SECTION 4.304.2)

FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL. (PER STATE ASSEMBLY BILL NO. 1881)

AN OPERATION AND MAINTENANCE MANUAL INCLUDING, AT MINIMUM, THE ITEMS LISTED IN SECTION 4.410.1, SHALL BE COMPLETED AND PLACED IN THE BUILDING AT THE TIME OF FINAL INSPECTION.

PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES.

NO OVERHEAD IRRIGATION WITHIN 24" OF ANY NON-PERMEABLE SURFACE

CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR.

A CERTIFICATION OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED EITHER BY THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.

A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.

AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION.

AT THE TIME OF FINAL INSPECTION, THE PERMIT APPLICANT MUST PROVIDE THE OWNER OF THE PROPERTY WITH A CERTIFICATE OF COMPLETION, CERTIFICATE OF INSTALLATION, IRRIGATION SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE.

UNLESS CONTRADICTED BY A SOILS TESTS, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.

DEDICATED WATER SERVICE METERS OR PRIVATE SUB-METERS ARE TO INSTALLED FOR ALL NON RESIDENTIAL IRRIGATED LANDSCAPES 1,000 SQUARE FEET UP TO 5,000 SQUARE FEET AND RESIDENTIAL IRRIGATED LANDSCAPES OF 5,000 SQUARE FEET OR GREATER.

ALL IRRIGATION EMISSION DEVICES WILL MEET THE CRITERIA AS SET FORTH IN MWELO SECTION 492.7(a)(1)(M) AND SHALL BE INSTALLED AND OPERATED ACCORDING TO MANUFACTURER'S INSTRUCTIONS/RECOMENDATIONS.

RECIRCULATING WATER SYSTEMS SHALL BE USED FOR WATER FEATURES

IRRIGATION NOTES

1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
7. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
8. ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
9. CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
10. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
12. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
13. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
14. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.
15. THE CONTRACTOR IS REQUIRED TO CONTACT DIGALERT OR 811 A MINIMUM OF TWO (2) DAYS PRIOR TO THE START OF ANY EXCAVATIONS ON THE PROJECT AND SPECIFICALLY PRIOR TO THE INSTALLATION OF ANY GROUNDING RODS. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG TO START A PROJECT TICKET. DIGALERT AND 811 IS A FREE SERVICE PROVIDED TO THE PROJECT. FAILURE TO CONTACT AND HAVE THE EXISTING UTILITIES IDENTIFIED, LOCATED AND MARKED SHALL MAKE THE CONTRACTOR SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES.

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package

Project Name: Pershing Square Ph1A
Project Address: 532 S. Olive
Los Angeles, California 90013

sweeney + associates IRRIGATION DESIGN AND CONSULTING

Reference Evapotranspiration (ETo)	**50.1**	**In./Yr.**	**Residential Project?**	**No**

Hydrozone # / Planting Description[a]	Plant Factor	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF / IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
1. Low Water Use Plantings	0.20	Drip	0.81	0.25	1,317	329	10,227
2. Moderate Water Use Planting	0.40	Drip	0.81	0.50	2,490	1,245	38,672
3. Moderate Water Use Turf	0.60	Drip	0.81	0.75	1,110	833	25,859
4. Low Water Use Trees	0.20	Drip	0.81	0.25	3,125	781	24,267
				Totals:	**8,042**	**3,188**	
		Estimated Total Water Use (ETWU) Total:					**99,026**
		Maximum Applied Water Allowance (MAWA)[e]:					**112,410**

[a] Hydrozone # / Planting Description	**[b] Irrigation Method**	**[c] Irrigation Efficiency**
E.g.	*Overhead Spray of*	*0.75 for Spray*
1.) Front Lawn	*Drip*	*0.81 for Drip*
2.) Low Water Use Plantings		
3.) Medium Water Use Plantings		

[d] ETWU (Annual Gallons Required) = *ETo x 0.62 x ETAF x Area*
Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year.

[e] MAWA (Annual Gallons Allowed) = *ETo x 0.62 x [(ETAF x LA) + ((1 - ETAF) x SLA)]*
Where 0.62 is a conversion factor that converts acre-inches/acre/year to gallons/square foot/year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is 0.55 for residential projects and 0.45 for non-residential projects.

Evapotranspiration Adjustment Factor (ETAF) Calculations

This non-residential project complies with the WELO and its average ETAF is less than **0.45**

Regular Landscape Areas	
Total ETAF x Area	3,188
Total Area	8,042
Average ETAF	**0.4**

All Landscape Areas	
Total ETAF x Area	3,188
Total Area	8,042
Average ETAF	**0.4**

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE
SIGNATURE: [signature] **DATE:** **02-03-21**

IRRIGATION MATERIAL LEGEND

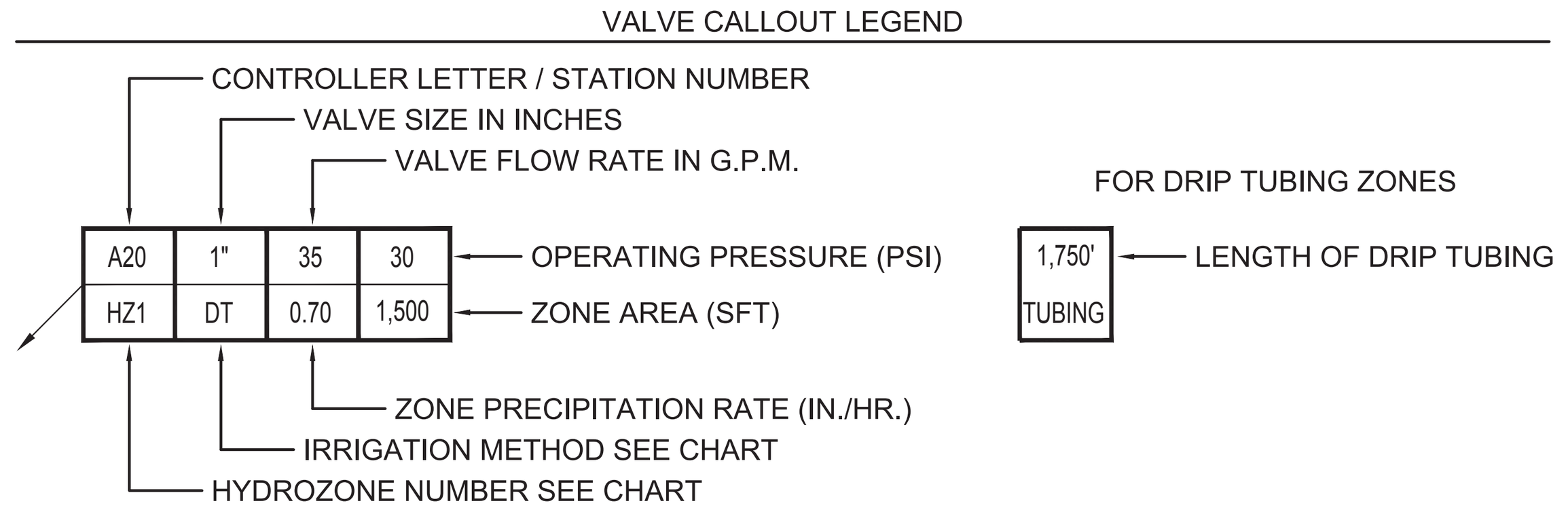
SYMBOL	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	P.R. (TRI.)	DETAIL
▼	RAIN BIRD	RD-04-S 4" POP-UP BUBBLER HEAD WITH A HUNTER 5-CST-B BUBBLER NOZZLE. EACH SYMBOL REPRESENTS ONE (1) BUBBLER FOR EVERY TWO (2) SHRUBS.	.38	30	5 FT	1.00 IN./HR.	A
Ⓓ	NETAFIM	TREE DRIP RINGS: TLHCVXR5-12 SUBSURFACE DRIP TUBING (COPPER EXTERIOR COLOR) WITH 0.53 GPH, PRESSURE COMPENSATING EMITTERS INTERNALLY INSTALLED IN THE DRIP TUBING AT 12" O.C. SPACING. INSTALL TUBING ROWS A MAXIMUM OF 12" APART. ALL TUBING SHALL BE INSTALLED 2" BELOW FINISHED SOIL GRADE W/ 9" WIRE STAKES FIVE (5) FEET ON CENTER; VERIFY THE LAYOUT AND SPACING IN THE FIELD PRIOR TO STARTING WORK	.50	30	N/A	0.70 IN./HR.	B,C
	NETAFIM	SUB-SURFACE DRIP TUBING AS DESCRIBED BELOW: TLHCVXR5-12 SUBSURFACE DRIP TUBING (BROWN EXTERIOR COLOR) WITH 0.53 GPH, PRESSURE COMPENSATING EMITTERS INTERNALLY INSTALLED IN THE DRIP TUBING AT 12" O.C. SPACING. DRIP TUBING SHALL BE EQUIPPED WITH COPPER OXIDE INFUSED EMITTERS AND A PHYSICAL BARRIER TO PREVENT ROOT INTRUSION INTO THE DRIP EMITTER. DRIP EMITTERS SHALL BE CONTINUOUS FLUSHING TYPE AND EQUIPPED WITH A CHECK VALVE AND ANTI-SIPHON FEATURE. DRIP TUBING SHALL BE INSTALLED 4" BELOW FINISHED SOIL GRADE (NOT COUNTING MULCH) AND IN PARALLEL ROWS A MAXIMUM OF 12" ON CENTER. THE PERIMETER ROW OF DRIP TUBING SHALL BE INSTALLED A MAXIMUM OF 4" FROM THE EDGE OF ANY HARDSCAPE OR TURF EDGE. ALL SUBSEQUENT INTERIOR ROWS SHALL BE ADJUSTED TO PROVIDE AN EVEN SPACING ACROSS THE PLANTER WITHOUT EXCEEDING 12" MAXIMUM SPACING. INSTALL 9" PVC COATED GALVANIZED TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER ALONG THE LENGTH OF THE TUBING. TUBING STAKES SHALL BE MODEL #GDTS140900 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684. THE HATCH PATTERN SYMBOLS ON THE PLANS REPRESENT THE APPROXIMATE DIRECTION AND SPACING OF THE DRIP TUBING ROWS, SEE SPACING REQUIREMENTS ABOVE AND IN DETAILS.	0.53 GPH / EMITTER	30	N/A	0.94 IN./HR.	D,E,F
NO SYMBOL	NETAFIM	CONNECTION BETWEEN HCVXR DRIP TUBING AND PVC SUPPLY AND DISCHARGE HEADERS SHALL BE MADE USING SCH. 40 PVC SXT FITTINGS, TL BARBED DRIP TUBING FITTINGS AND BLANK DRIP TUBING. WHEN THE CONNECTION IS AT THE END RUN OF THE TUBING USE A SCH. 40 PVC LATERAL X LATERAL X 1/2" SxSxT TEE (OR A LATERAL X 1/2" SxT 90° ELBOW) FITTING ON THE PVC LATERAL LINE HEADER, A TL050MA BARB X 1/2" MALE ADAPTER, A SHORT LENGTH OF BLANK DRIP TUBING, AND A TLELL BARBED 90° ELBOW FITTING. WHEN THE CONNECTION IS IN THE MIDDLE OF THE TUBING RUN USE A SCH. 40 PVC LATERAL X LATERAL X 1/2" SxSxT TEE (OR A LATERAL X 1/2" SxT 90° ELBOW) FITTING ON THE PVC LATERAL LINE HEADER, A TL050MA BARB X 1/2" MALE ADAPTER, A SHORT LENGTH OF BLANK DRIP TUBING, AND A TLTEE BARBED TEE FITTING. ALL END RUNS OF TUBING SHALL BE CONNECTED WITH A PVC DISCHARGE HEADER. NO HEATING OF TUBING SHALL BE ALLOWED FOR ASSEMBLY.					D,E,F
NO SYMBOL	NETAFIM	TL SERIES 17mm BARBED FITTINGS FOR CONNECTIONS BETWEEN DRIP TUBING (TUBING-TO-TUBING ONLY). NO HEATING OF TUBING SHALL BE ALLOWED.					D,E,F
	AS APPROVED	PVC SUPPLY AND DISCHARGE HEADERS SHALL BE PVC LATERAL LINE PIPE (AS SHOWN BELOW), 1 1/4" MINIMUM SIZE WITH SCH. 40 PVC FITTINGS.					D,E,F
Ⓕ	GPH IRRIGATION/ RAIN BIRD	GDFN DRIP FLUSH / INDICATOR NOZZLE, ORANGE IN COLOR, INSTALLED ONTO A RAIN BIRD 1812 12" POP-UP SPRINKLER BODY (NO PRS OR CHECK VALVE). THE FLUSH NOZZLE SHALL BE CLOSED FOR NORMAL OPERATION OF THE DRIP SYSTEM.					E,G
	LASCO	VXX101N-SC 2 1/2" - 3" SLO-CLOSE SCH. 80 PVC, TRUE-UNION BALL VALVE WITH SOLVENT WELD SOCKET CONNECTIONS, LINE SIZE PER MAINLINE. INSTALL INSIDE A 10" ROUND VALVE BOX.					H
	RAIN BIRD	44LRC 1" QUICK COUPLER VALVE WITH LOCKING VINYL COVER AND A LASCO G13S-218 SWING JOINT. INSTALL INSIDE A 10" ROUND VALVE BOX.					I
●	RAIN BIRD	1XX-EFB-CP-PRS-D PRESSURE REGULATING, PLASTIC REMOTE CONTROL VALVE (RCV), SIZE AS SHOWN (1" AND 1 1/2" SIZES), SET PRS-D PRESSURE REGULATOR TO PROVIDE THE OPERATING PRESSURE OF THE SPRINKLER / BUBBLER HEAD AT THE HIGHEST OR FARTHEST HEAD ON THE CONTROL VALVE ZONE (MEASURE PSI AT HEAD). INSTALL THE RCV INSIDE A STANDARD RECTANGULAR VALVE BOX.					J
	RAIN BIRD	1XX-EFB-CP PLASTIC DRIP REMOTE CONTROL VALVE, SIZE AS SHOWN (1" SIZE). INSTALL A RAIN BIRD LCRBY-100D DISC FILTER AND A SENNINGER 1" PMR-40-MF PRESSURE REGULATOR ON THE DOWNSTREAM SIDE OF EACH DRIP REMOTE CONTROL VALVE (DRCV). INSTALL THE DRCV ASSEMBLY INSIDE A JUMBO RECTANGULAR VALVE BOX.					K
	AS APPROVED	PVC PIPE 3/4" - 3" SCH. 40, SOLVENT WELD WITH SCH. 40 PVC FITTINGS, AS LATERAL LINES INSTALLED 12" BELOW FINISHED GRADE					L
	AS APPROVED	PVC PIPE 2 1/2" - 3" CL. 315, SOLVENT WELD WITH SCH. 80 PVC FITTINGS, AS MAINLINES INSTALLED 18" - 24" BELOW FINISHED GRADE					L,N
	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, 2 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED (2" MINIMUM SIZE) INSTALL ALL PIPE AND WIRE UNDER PAVING, HARDSCAPE, ETC. (OR AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE) INSIDE SLEEVES. SLEEVES UNDER PEDESTRIAN PAVING SHALL BE INSTALLED 24" BELOW FINISHED GRADE. SLEEVES UNDER VEHICULAR PAVING SHALL BE INSTALLED 36" BELOW FINISHED GRADE.					M
NO SYMBOL	LASCO	ALL FITTINGS USED WITH SOLVENT WELD MAINLINE PIPE SHALL BE SCH. 80 PVC FITTINGS, GRAY IN COLOR, AND SIZED TO MATCH THE MAINLINE PIPE. ALL FITTINGS USED WITH SOLVENT WELD LATERAL LINE PIPE SHALL BE SCH. 40 PVC, WHITE IN COLOR, AND SIZED TO MATCH THE LATERAL LINE PIPE. ALL THREADED PVC NIPPLES SHALL BE SCH. 80 PVC PIPE, DARK GRAY IN COLOR, WITH MOLDED THREADS.					N/A
NO SYMBOL	AS APPROVED	ALL SOLVENT WELD CONNECTIONS FOR BOTH MAINLINE AND LATERAL LINE SHALL BE MADE USING THE TWO-STEP PROCESS OF PRIMER AND SOLVENT CEMENT. PRIMER SHALL BE LOW VOC "PURPLE PRIMER". SOLVENT CEMENT SHALL BE LOW VOC, GRAY OR BLUE COLORED "MEDIUM BODIED" CEMENT. USE DAUBERS SIZED AT LEAST ONE-HALF THE SIZE OF THE LARGEST PIPE BEING JOINED. ALL SOLVENT CEMENTED JOINTS SHALL BE MADE PER THE PIPE AND FITTING MANUFACTURER'S RECOMMENDATIONS.					N/A
NO SYMBOL	AS APPROVED	ALL SOLVENT WELD MAINLINES ABOVE 2" IN SIZE SHALL HAVE CONCRETE THRUST BLOCKING INSTALLED AT ALL DIRECTIONAL CHANGES INCLUDING ELBOWS (45° AND 90°) AND TEES. MAINLINE PIPES UNDER 2" SIZE AND ALL LATERAL LINES DO NOT REQUIRE THRUST BLOCKING.					N
NO SYMBOL	PAIGE ELECTRIC	P7079D POLYETHYLENE INSULATED, SOLID COPPER CONDUCTOR IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED). PILOT WIRES SHALL BE RED IN COLOR, COMMON GROUND WIRE SHALL BE WHITE IN COLOR, SPARE WIRES SHALL BE YELLOW IN COLOR. THE CONTRACTOR SHALL ROUTE TWO (2) SPARE CONTROL WIRES (YELLOW) FROM THE CONTROLLER ALONG THE MAINLINE IN ALL DIRECTIONS AWAY FROM THE CONTROLLER. LOOP SPARE WIRES UP AND INTO EACH VALVE BOX ALONG THE MAINLINE, PROVIDING A 3 FOOT MINIMUM LOOP. WHERE MULTIPLE CONTROLLERS ARE USED ON THE PROJECT, EACH CONTROLLER SHALL HAVE A DIFFERENT COLOR FOR PILOT WIRES.					L,M,O
NO SYMBOL	GPH IRRIGATION	GDBRY6 DIRECT BURIAL, 100% SILICONE GEL, WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE SPLICES AND CONNECTIONS					O
NO SYMBOL	NDS (K.B.I.)	KSC-XXX-S SWING CHECK VALVE, LATERAL LINE SIZE, INSTALL ONE (1) ON THE DOWNSTREAM SIDE OF EACH RCV WHEN THE RCV IS LOWER THAN THE SPRINKLERS, BUBBLERS OR DRIP EMITTERS. INSTALL WITHIN SPRINKLER / BUBBLER / DRIP ZONES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.					N/A
NO SYMBOL	NDS (K.B.I.)	KC-XXX-S SPRING CHECK VALVE, LATERAL LINE SIZE, INSTALL ONE (1) ON THE DOWNSTREAM SIDE OF EACH RCV WHEN THE RCV IS HIGHER THAN THE SPRINKLERS, BUBBLERS OR DRIP EMITTERS. INSTALL WITHIN SPRINKLER / BUBBLER / DRIP ZONES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.					N/A
NO SYMBOL	RAIN BIRD	ALL VALVE BOXES SHALL BE VB SERIES, PLASTIC TYPE WITH OVERLAPPING LIDS. VALVE BOX BODIES SHALL BE GREEN IN COLOR. LIDS FOR VALVE BOXES IN SHALL BE BLACK. ALL BOXES SHALL BE SECURED WITH A RAIN BIRD VB-LOCK-P PENTA HEAD BOLT, WASHER AND CLIP. BOXES SHALL BE AS SHOWN BELOW:					P

DESCRIPTION	SHRUB AREAS (GREEN BOXES AND LIDS)
10" ROUND BOXES	VB-10RNDB (BOX) AND VB-10RNDBKL (LID)
STANDARD RECTANGULAR BOXES	VB-STDB (BOX) AND VB-STDBKL (LID)
JUMBO RECTANGULAR BOXES	VB-JMBB (BOX) AND VB-JMBBKL (LID)
SUPER JUMBO RECTANGULAR BOXES	VB-SPRH (BOX AND GREEN LID)

HYDROZONE DESCRIPTION CHART			
NUMBER	DESCRIPTION OF THE HYDROZONE	WUCOLS	PLANT FACTOR
HZ 1	LOW WATER USE PLANTINGS	L	0.20
HZ 2	MODERATE WATER USE PLANTINGS	M	0.40
HZ 3	MODERATE WATER USE TURF	M	0.60
HZ 4	LOW WATER USE TREES	L	0.20

IRRIGATION METHOD DESCRIPTION CHART			
LETTERS	DESCRIPTION OF THE IRRIGATION	TYPE	IR. EFFICIENCY
DT	DRIP TUBING	DRIP	0.81
DR	TREE DRIP RINGS	DRIP	0.81
SB	SHRUB BUBBLERS	DRIP	0.81
TB	TREE BUBBLERS	DRIP	0.81

VALVE CALLOUT LEGEND



BUREAU OF ENGINEERING
OFFICIAL RECORD

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

811

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
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Murrieta, Ca 92563
e: info@sweeneyassoc.com | t: (951) 461-6830
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GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 8/21/2019 3:47:24 PM

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

MF-300492
INDEX NO. -

LICENSED LANDSCAPE ARCHITECT DEAN HOWELL 5766 Signature 12-31-21 Renewal Date Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: IRRIGATION LEGEND AND NOTES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. L300-1A
SHEET OF SHEETS

PLOTTED: 8/21/2019 3:47:24 PM

PROVIDE IRRIGATION LATERAL LINE STUB-OUTS AT THE LIMITS OF WORK FOR ADJACENT OFF-SITE IRRIGATION SYSTEM CONNECTION. VERIFY ACTUAL STUB-OUT LOCATIONS IN THE FIELD. REFER TO ADJACENT OFF-SITE IRRIGATION PACKAGE FOR ADJACENT IRRIGATION SYSTEMS TYPICAL.

PROVIDE IRRIGATION LATERAL LINE STUB-OUTS AT THE LIMITS OF WORK FOR ADJACENT OFF-SITE IRRIGATION SYSTEM CONNECTION. VERIFY ACTUAL STUB-OUT LOCATIONS IN THE FIELD. REFER TO ADJACENT OFF-SITE IRRIGATION PACKAGE FOR ADJACENT IRRIGATION SYSTEMS TYPICAL.

4" EXISTING SLEEVE

LOCATE AND CONNECT TO THE EXISTING 3" IRRIGATION MAINLINE LOCATED AT THIS APPROXIMATE LOCATION. VERIFY EXISTING MAINLINE SIZE AND LOCATION IN THE FIELD AT THE START OF WORK. MAINTAIN ANY EXISTING CONTROL WIRES CURRENTLY FOLLOWING ALONG THE PATH OF THIS EXISTING MAINLINE. REPLACE ANY CONTROL WIRES DAMAGED DUE TO CONSTRUCTION.

EXISTING SLEEVE

PHASE 1A BOUNDARY

A10	1"	16.2	30	920'
HZ3	DT	0.70	1,110	TUBING
A9	1.5"	30.4	30	
HZ2	SB	1.00	487	
A8	1"	5.0	30	575'
HZ4	DR	0.70	N/A	TUBING

A11	1"	11.8	30	
HZ1	SB	1.00	709	
A12	1"	20.0	30	1,150'
HZ4	DR	0.70	N/A	TUBING
A43	1"	12.9	30	
HZ1	SB	1.00	608	

THE EXISTING ADJACENT IRRIGATION SYSTEMS SHALL BE ADJUSTED AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. VERIFY ALL EXISTING ADJACENT IRRIGATION SYSTEM ADJUSTMENTS IN THE FIELD WITH CITY'S AUTHORIZED REPRESENTATIVE AT THE START OF WORK.

A42	1"	2.0	30	230'
HZ4	DR	0.70	N/A	TUBING
A7	1.5"	35.3	30	
HZ2	SB	1.00	2,003	
A6	1"	EXIST.	EXIST.	

CONTRACTOR TO CONNECT TO EXISTING 1.5" LATERAL LINE FOR PLAZA TREE IRRIGATION AT THIS APPROXIMATE LOCATION

LOCATE AND CONNECT TO THE EXISTING 3" IRRIGATION MAINLINE LOCATED AT THIS APPROXIMATE LOCATION. VERIFY EXISTING MAINLINE SIZE AND LOCATION IN THE FIELD AT THE START OF WORK. MAINTAIN ANY EXISTING CONTROL WIRES CURRENTLY FOLLOWING ALONG THE PATH OF THIS EXISTING MAINLINE. REPLACE ANY CONTROL WIRES DAMAGED DUE TO CONSTRUCTION.

EXISTING TREES TO BE PROTECTED IN PLACE, TYPICAL. REFER TO NOTE ""

PHASE 1A BOUNDARY

PROVIDE TWO (2) ROWS OF DRIP TUBING PER GRASS STRIP, ALTERNATE EMITTERS TO PROVIDE 6" ON CENTER EMITTER SPACING TYPICAL.

MATCHLINE - SEE BELOW LEFT

PHASE 1A BOUNDARY

1 ENLARGED PLAN : OLIVE STREET PLANTERS, PLAZA AND LAWN

SCALE: 1/8" = 1'-0"

MATCHLINE - SEE ABOVE RIGHT

EXISTING IRRIGATION NOTES

NOTE A:
THESE PLANS ARE DIAGRAMMATIC, THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL.

NOTE B:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR IN THE LANDSCAPE, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, TREES, ETC. WHEN A SLIGHT RELOCATION OF THE HEAD IS NOT SUFFICIENT TO CLEAR THE OBSTACLE, OR IF IT NEGATIVELY AFFECTS THE COVERAGE, AN ADDITIONAL HEAD SHALL BE INSTALLED TO PLACE ONE HEAD ON EITHER SIDE OF THE OBSTACLE. THE NOZZLES OF THESE TWO HEADS SHALL HAVE ARC PATTERNS THAT ADD UP TO THE ORIGINAL ARC PATTERN OF THE HEAD INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY, THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE D:
PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED BELOW. THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:

1. POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, ETC.)
2. ISOLATION VALVES
3. AUTOMATIC CONTROL VALVES (INDICATE STATION NUMBER)
4. QUICK COUPLING VALVES
5. IRRIGATION CONTROLLER(S)
6. RELATED EQUIPMENT (AS MAY BE DIRECTED).

EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE IT'S PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL WITH SHOP DRAWINGS WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

NOTE 1:
CONTRACTOR SHALL MAINTAIN EXISTING MAINLINES IN WORKING ORDER. COORDINATE ALL INTERRUPTIONS OF OPERATION OF THE EXISTING IRRIGATION TO A MINIMUM. COORDINATE ALL INTERRUPTIONS WITH THE OWNER'S REPRESENTATIVE.

NOTE 2:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION AND IF DAMAGED, SHALL REPLACE WITH SAME MANUFACTURER AND MODEL.

NOTE 3:
ANY EXISTING IRRIGATION CONTROL VALVES CONNECTED TO EXISTING CONTROLLER SHALL BE RECONNECTED TO THE EXISTING CONTROLLER. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK AND UPON COMPLETION OF WORK.

NOTE 4:
CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/MODIFICATION/REROUTING OF ALL ADJACENT IRRIGATION SYSTEM EQUIPMENT THAT IS AFFECTED BY NEW CONSTRUCTION IMPROVEMENTS. CONTRACTOR SHALL REPAIR SAID SYSTEMS TO A LIKE NEW MANNER, PROVIDING NO LESS THAN 100% OF HEAD RADIUS COVERAGE IN ALL AREAS WITH SYSTEM LAYOUT AS APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL AREAS REQUIRING MODIFICATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.

NOTE 5:
CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISPOSAL OF ALL EXISTING IRRIGATION EQUIPMENT AFFECTED BY THE NEW CONSTRUCTION IMPROVEMENTS, IF NECESSARY. CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE REMOVED AND DISPOSED OF IN FIELD PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.

NOTE 6:
CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO BIDDING WORK AND AGAIN PRIOR TO STARTING WORK. VERIFICATION SHALL BE DOCUMENTED AND DELIVERED TO OWNER'S REPRESENTATIVE.

NOTE 7:
CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ALL SCH 40 PVC SLEEVING UNDER PAVING, WALLS AND CURBS AT NO LESS THAN 24" BELOW GRADE AND NO LESS THAN 2X DIAMETER OF IRRIGATION PIPE IN AREAS WHERE PIPE CROSSING WILL OCCUR. WHEN PIPE SIZE IS NOT AVAILABLE USE 6" SLEEVING MATERIAL. CONFIRM CROSSINGS WITH OWNER'S REPRESENTATIVE PRIOR TO PAVING AND HARDSCAPE CONSTRUCTION.

NOTE 8:
EXISTING IRRIGATION IN ADJACENT AREAS SHALL BE PROTECTED IN PLACE FOR CONTINUED USE. CONTRACTOR SHALL VERIFY THE EXTENT OF THE EXISTING SYSTEMS AND MAKE ADJUSTMENTS TO CAP OFF OR MODIFY THE EXISTING SYSTEMS TO MEET THE NEW LANDSCAPE CONDITION IF NECESSARY.

NOTE 9:
CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. AIR SPADE SHALL BE UTILIZED FOR ALL TRENCHING WITHIN THE DRIPLINE OF TREES. CONTRACTOR SHALL REFER TO ARBORIST REPORT FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. VERIFY ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE.

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

BUREAU OF ENGINEERING
OFFICIAL RECORD

KEY MAP

0 4' 8' 12' 16' 32'

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
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e: info@sweeneyassoc.com t: (951) 461-6830
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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX
INDEX NO. -
MF-300492

LICENSED LANDSCAPE ARCHITECT — GLEN THOMAS — No. 5563 — Renewal Date — Date — STATE OF CALIFORNIA

CITY ENGINEER	GARY LEE MOORE, PE, ENV SP	12/19/2021
ARCHITECTURAL DIVISION	LIC. NO. C23585	11/08/2019
ARCHITECT: DEBRA GERGO		
DESIGNED BY:	AGENCE TER & GRUEN ASSOCIATES	
DRAWN BY:	TD, ND, MS	
CHECKED BY:	DH	
APPROVED BY:	STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT	

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. L401-1A
SHEET OF SHEETS

PLOTTED: 8/21/2019 3:47:24 PM

REVISION DATE: 8/21/2019 3:47:24 PM

REVISION DATES
DESIGN STAGE
CONSTRUCTION

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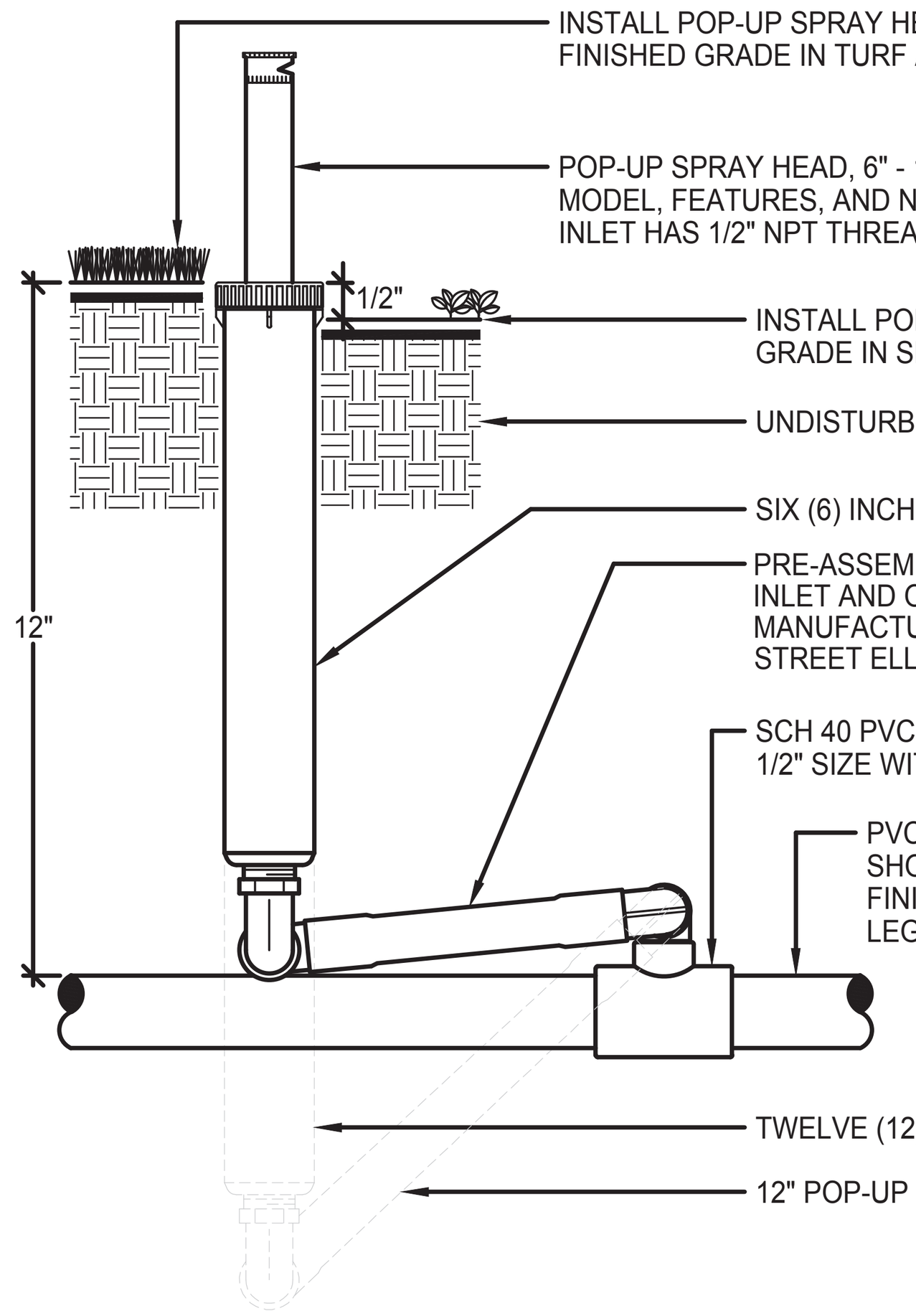

NOTE:
INSTALL SPRAY HEADS 4" FROM PAVING EDGE IN TURF AREAS.
INSTALL SPRAY HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
INSTALL SPRAY HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.

INSTALL SPRAY HEADS PLUMB. ADJUST NOZZLE STREAM TO COVER THE LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

SECTION VIEW - N.T.S.

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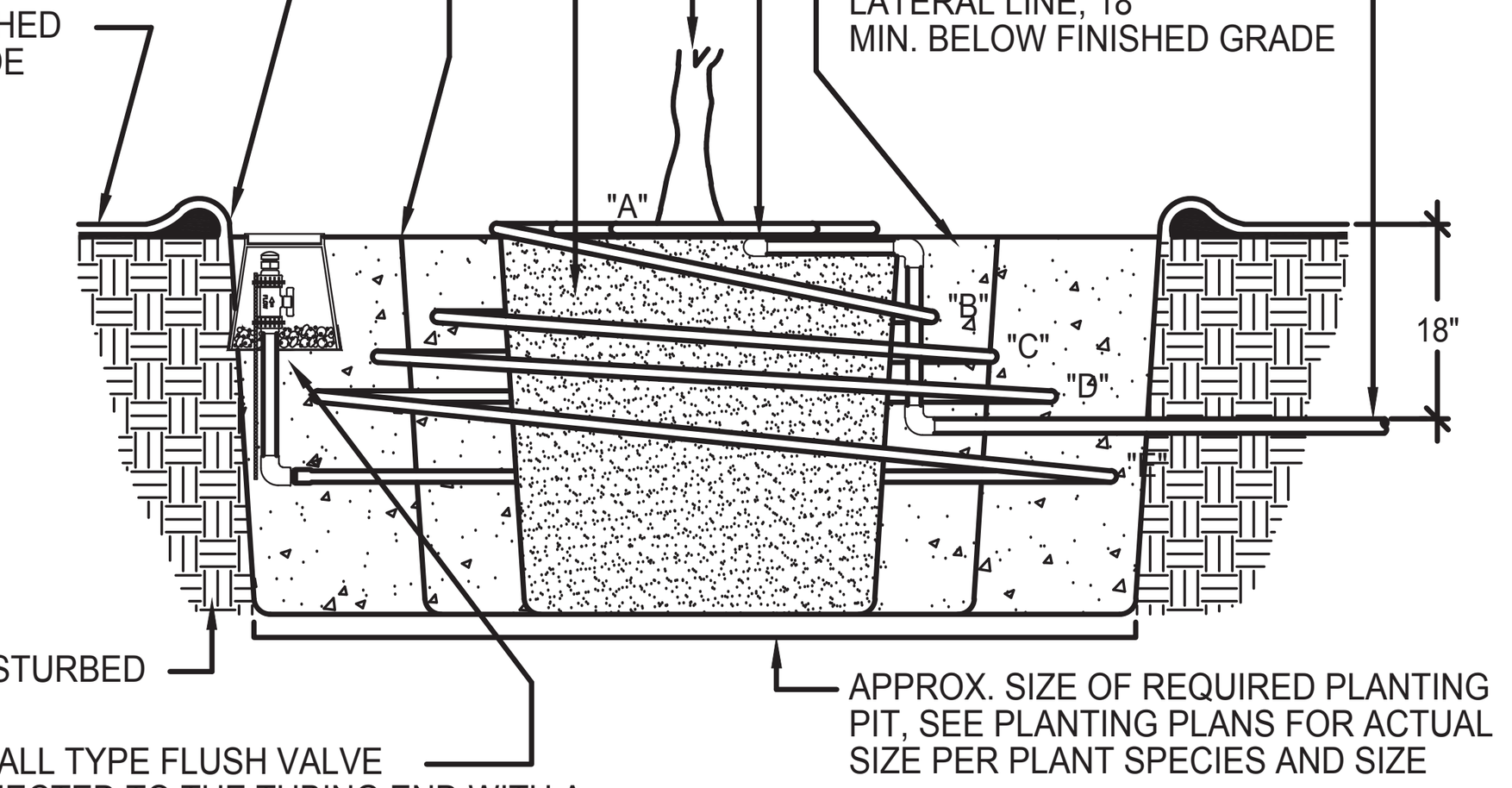
(A) POP-UP SPRINKLER/BUBBLER HEAD



NOTE:
DETAIL IS REPRESENTATIVE OF THE DETAILING TO BE INCLUDED IN THE CONSTRUCTION DOCUMENTATION PACKAGE. THIS DETAIL IS SUBJECT TO REVISION AND MODIFICATION DURING CD DESIGN PHASE.

SECTION VIEW - N.T.S.

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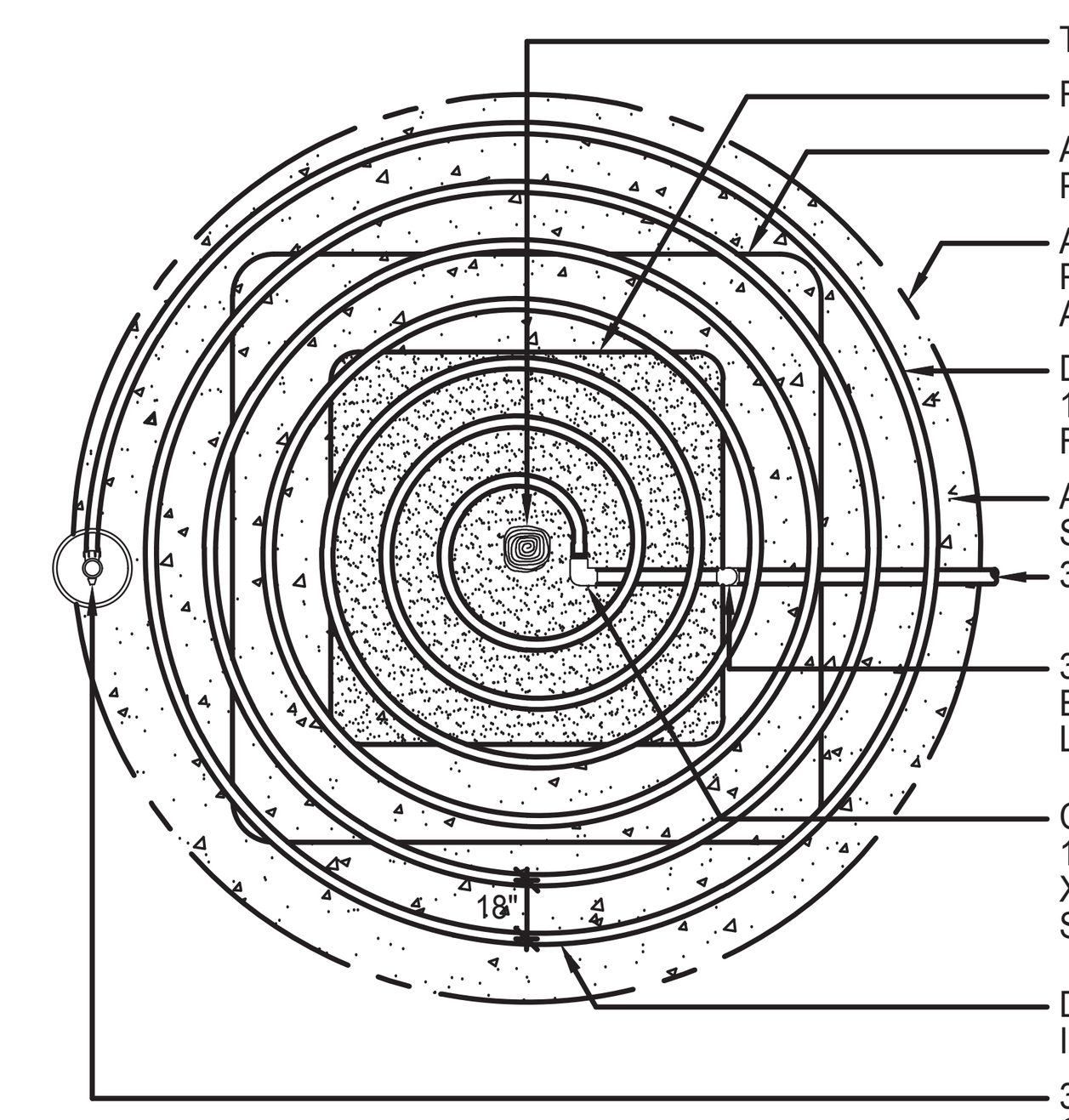
(B) TREE DRIP LAYOUT - SECTION VIEW



NOTE:
DETAIL IS REPRESENTATIVE OF THE DETAILING TO BE INCLUDED IN THE CONSTRUCTION DOCUMENTATION PACKAGE. THIS DETAIL IS SUBJECT TO REVISION AND MODIFICATION DURING CD DESIGN PHASE.

PLAN VIEW - N.T.S.

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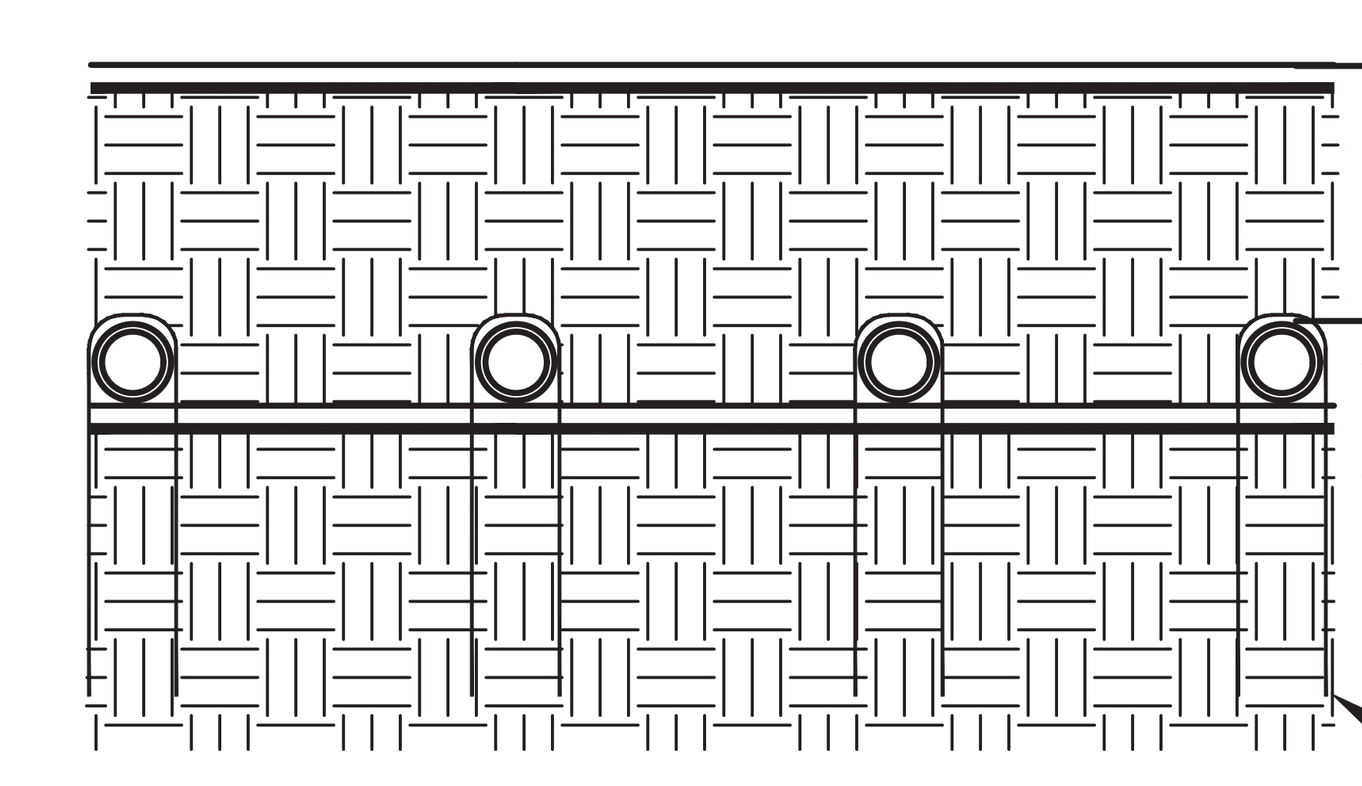
(C) TREE DRIP LAYOUT - PLAN VIEW



* AS PER LANDSCAPE DRAWINGS

RECOMMENDED INSTALLATION:

TO INSURE EVEN PARALLEL AND LEVEL TUBING ROWS IT IS RECOMMENDED THAT THE SOIL LEVEL IN THE PLANTER AREAS BE BROUGHT TO 4.5" BELOW FINISHED GRADE AND PROPERLY COMPACTED AS PER THE LANDSCAPED DRAWINGS PRIOR TO THE INSTALLATION OF THE TUBING.

INSTALL TUBING AS INDICATED ON THESE DRAWINGS AND SECURE TO GRADE USING WIRE HOOP STAKES AT 5 FEET ON CENTER SPACING.

BACKFILL FINAL 4.5" OF SOIL OVER THE TUBING AFTER INSTALLATION OF THE TUBING AND OBSERVATION BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

SECTION VIEW - N.T.S.

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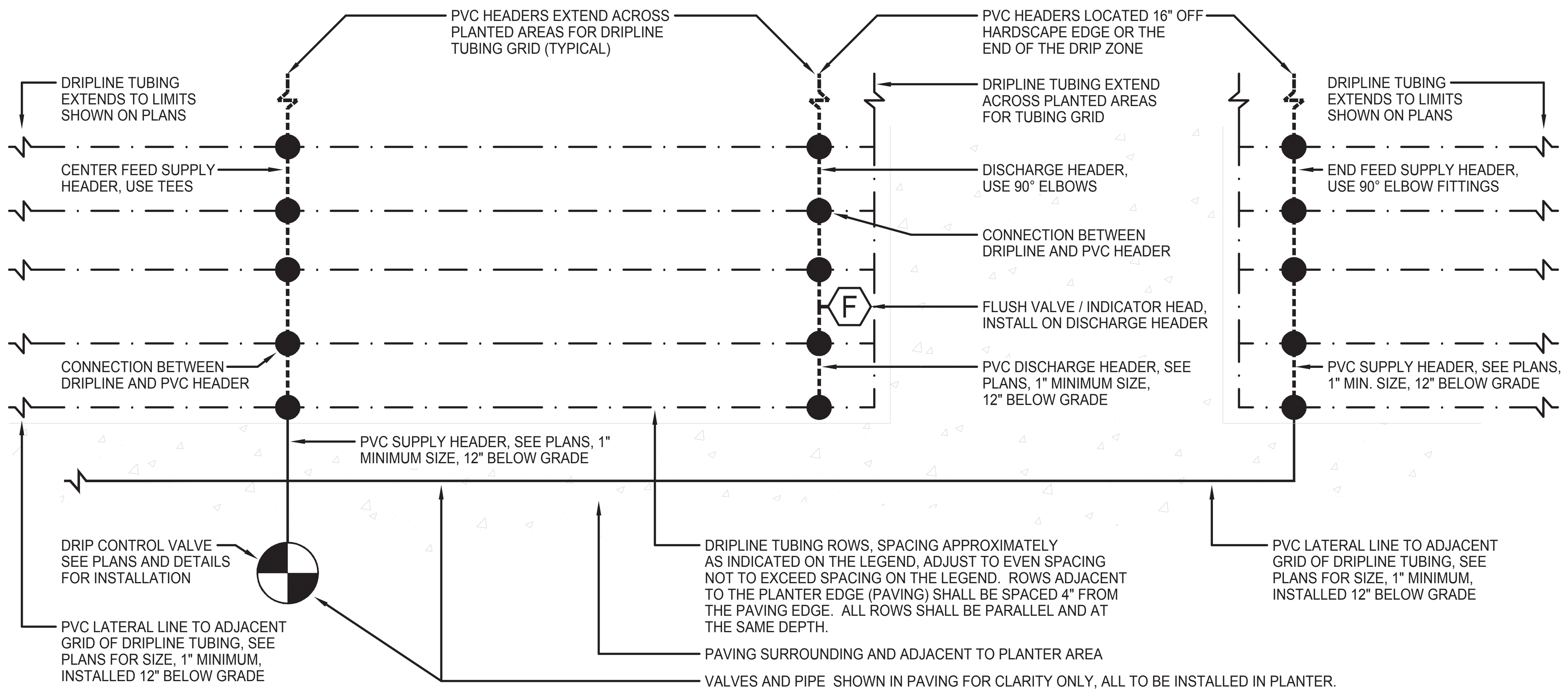
(D) DRIP TUBING LAYOUT (SECTION VIEW)



PLAN VIEW - N.T.S.

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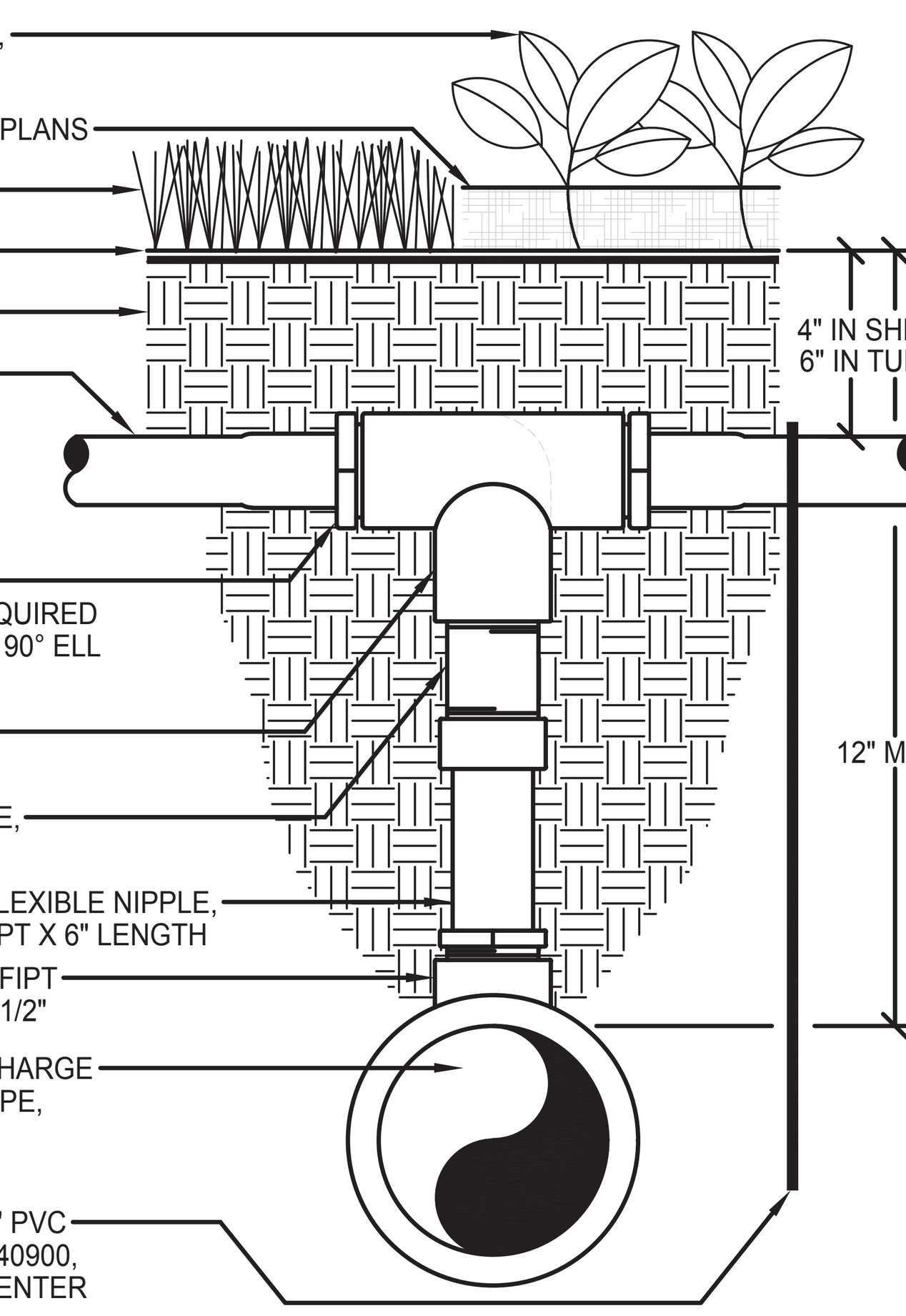
(E) DRIP TUBING LAYOUT (PLAN VIEW)



NOTE:
DRIP TUBING CONNECTION REQUIRED FOR ALL CONNECTIONS BETWEEN DRIP TUBING AND PVC HEADERS.
FOR CONNECTIONS AT END RUNS OF TUBING, USE A 90° ELL FITTING AND ONE ADAPTER FITTING FOR CONNECTION.
FOR CONNECTIONS IN THE MIDDLE OF RUNS OF TUBING, USE A TEE FITTING AND TWO ADAPTER FITTINGS FOR THE CONNECTION.

SECTION VIEW - N.T.S.

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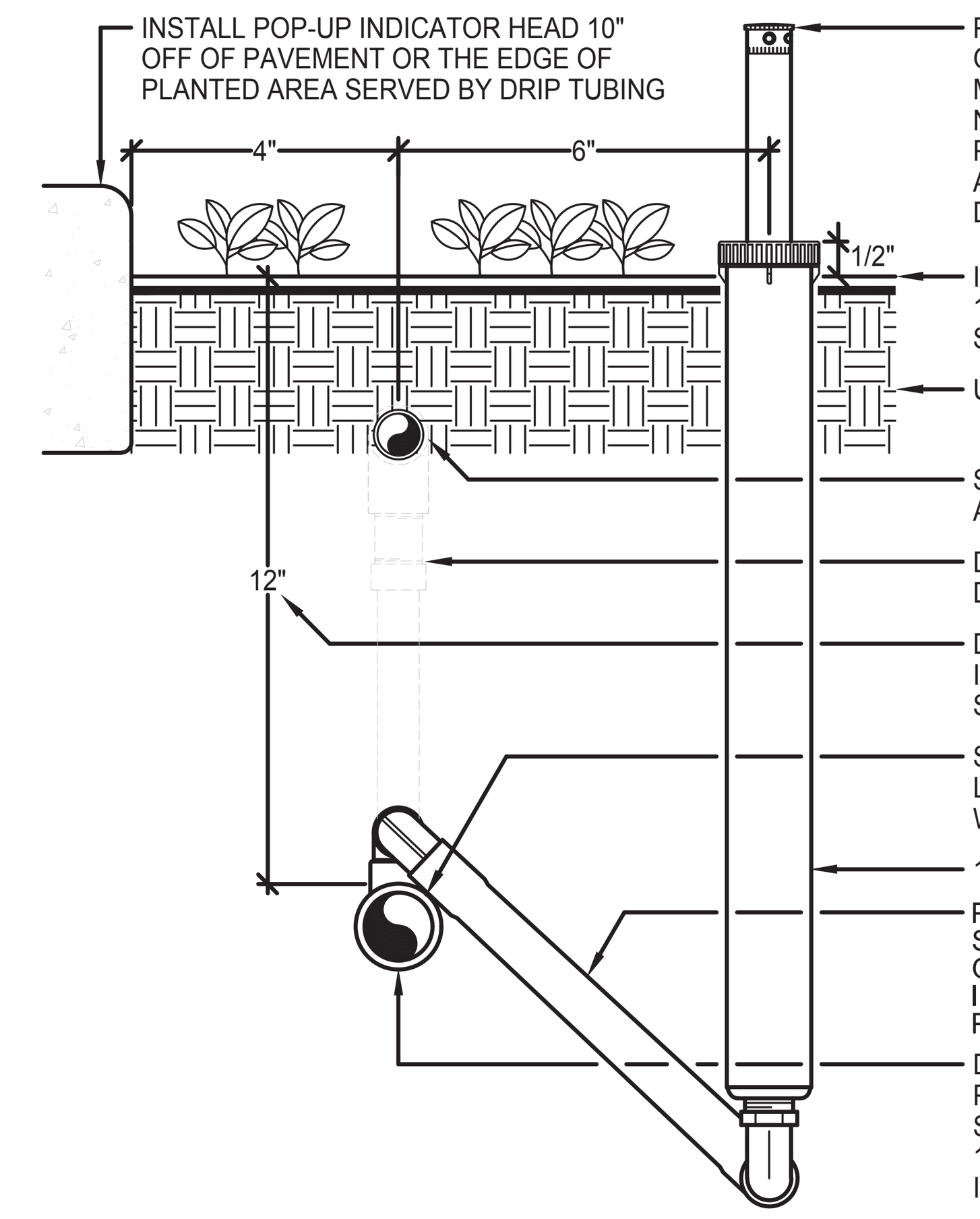
(F) DRIP CONNECTION



NOTE:
INSTALL INDICATOR HEAD 10" FROM THE EDGE OF PAVING OR THE PLANTER EDGE.

INSTALL ORANGE COLORED INDICATOR NOZZLE ON POP-UP HEAD AND ADJUST TO FULLY CLOSED.

SECTION VIEW - N.T.S.

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(G) FLUSH VALVE/INDICATOR HEAD

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OFFICIAL RECORD

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38730 Sky Canyon Drive, Suite C
Murrieta, Ca 92563
e: info@sweeneyassoc.com | t: (951) 461-6830
w: www.sweeneyassoc.com | f: (951) 461-6850

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 8/21/2019 3:47:24 PM

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

INDEX NO. - MF-300492

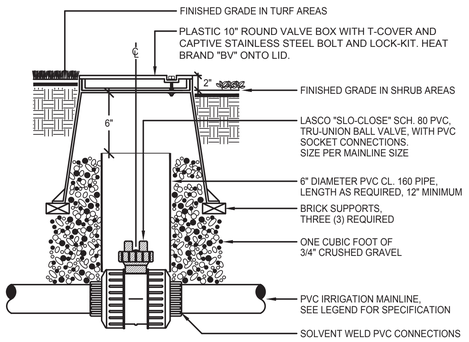
LICENSED LANDSCAPE ARCHITECT DEAN HOWELL 5766 Signature 12-31-21 Renewal Date Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD — LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: IRRIGATION DETAILS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. L500-1A
SHEET OF SHEETS

PLOTTED: 8/21/2019 3:47:24 PM



NOTE:
PROVIDE ONE (1) 30" LONG STEEL "VALVE KEY" FOR EACH TEN (10) BALL VALVES INSTALLED ON THE PROJECT.

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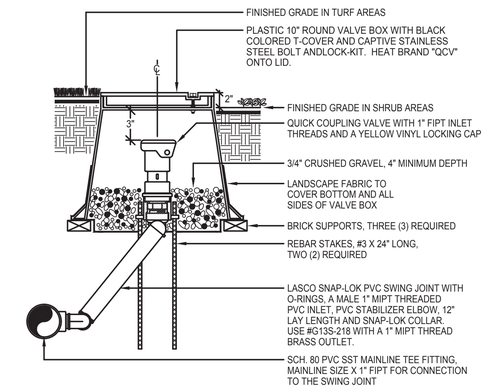
H BALL VALVE



NOTE:
WHEN QCV IS LOCATED ON A MANIFOLD, USE A SCH. 80 SxT 90° ELBOW IN PLACE OF THE TEE FITTING. SIZE THE ELBOW AS MANIFOLD MAINLINE SIZE X 1" FIPT.

WHEN USING A 3/4" QUICK COUPLER VALVE, USE A LASCO G13T-212 SWING JOINT WITH A 3/4" BRASS OUTLET FOR CONNECTION TO THE QCV INLET. ALL OTHER PARTS OF SWING JOINT SHALL REMAIN 1" SIZE.

USE A NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.

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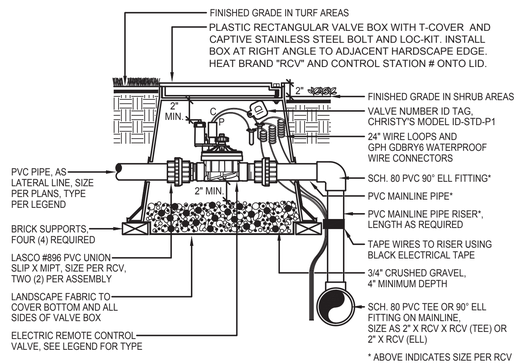
I QUICK COUPLER VALVE



NOTE:
INSTALL A RAIN BIRD FD-101-TURF SINGLE STATION DECODER WITH THE REMOTE CONTROL VALVE.
CONVENTIONAL WIRED RCV SHOWN, FOR TWO-WIRE INSTALLATIONS, SEE DECODER INSTALLATION DETAIL.
USE AN APPROVED, NON-HARDENING, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

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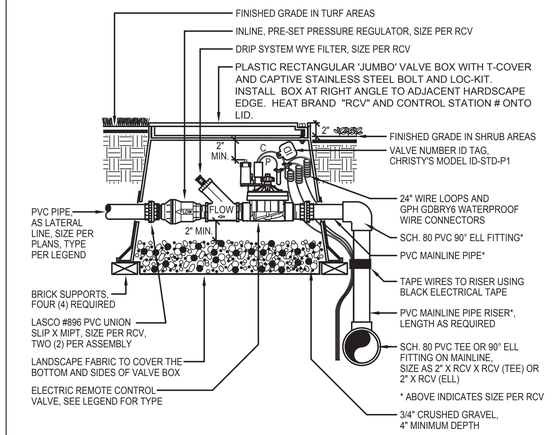
J REMOTE CONTROL VALVE



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INSTALL A RAIN BIRD FD-101-TURF SINGLE STATION DECODER WITH THE REMOTE CONTROL VALVE.
CONVENTIONAL WIRED RCV SHOWN, FOR TWO-WIRE INSTALLATIONS, SEE DECODER INSTALLATION DETAIL.
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USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.

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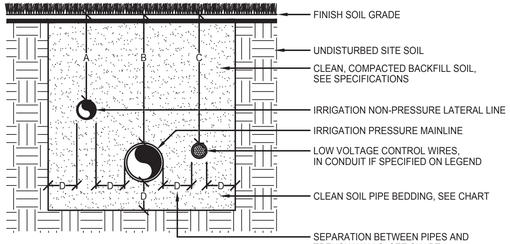
K DRIP REMOTE CONTROL VALVE



PIPE SIZES	A	B	C	D
SIZES 3/4" TO 2 1/2"	12"	18"	18"	4"
SIZES 3" AND 4"	18"	24"	24"	4"
SIZES 6" AND LARGER	X	30"	24"	6"

NOTE:
CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

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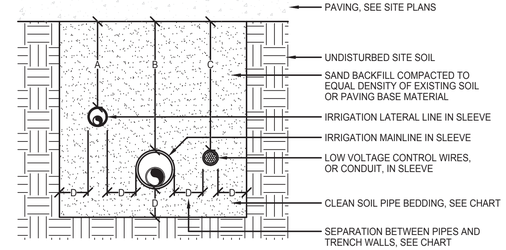
L PIPE INSTALLATION



PIPE SIZES	A	B	C	D
UNDER PEDESTRIAN PAVING	12"	24"	24"	4"
UNDER VEHICULAR PAVING	24"	36"	36"	6"

NOTE:
CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

SLEEVES SHALL BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED WITHIN, EXCEPT WHEN USING BELL AND GASKET PIPING WHERE MAINLINE SLEEVES SHALL BE 2.5 TIMES THE SIZE OF THE PIPE.

SLEEVES SHALL EXTEND 12" PAST THE EDGE OF PAVING INTO THE PLANTER.

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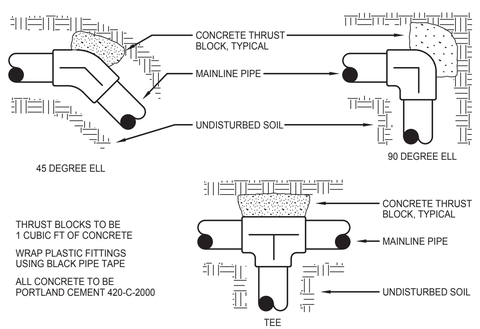
M SLEEVE INSTALLATION



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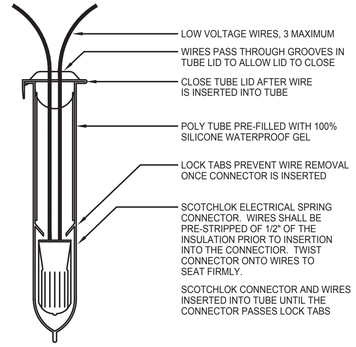
N THRUST BLOCKS



NOTE:
WIRE CONNECTOR SHALL BE A GPH IRRIGATION GDBRY6 DIRECT BURY SPLICE KIT.
KIT SHALL INCLUDE A SCOTCHLOK SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A 100% SILICONE WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PRE-FILLED WITH GEL.

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O WIRE CONNECTION

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX
INDEX NO. I
MF-300492

LICENSED LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — Expiration Date — Date — Registered Date

VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	IRRIGATION DETAILS
PROJECT:	PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS:	530 S OLIVE ST. LOS ANGELES, CA 90013

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — 12/19/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD — LIC. NO. C23695 — 11/08/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, NO, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

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REVISION DATES
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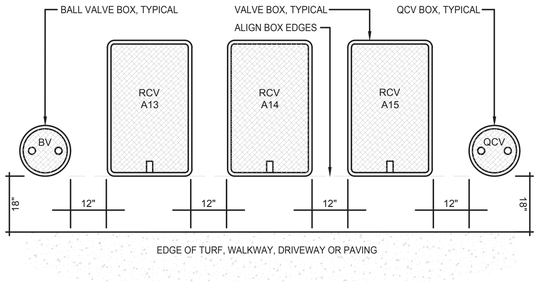
NOTE:

1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE OR DRIP ASSEMBLY TO FACILITATE SERVICING OF THE VALVE OR EQUIPMENT.
2. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER OR SHRUB AREAS WHERE EVER POSSIBLE, VALVES IN TURF AREAS TO BE APPROVED BY LANDSCAPE ARCHITECT.
3. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO ADJACENT PAVING EDGE.
4. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT THE COLLAPSE AND / OR DEFORMATION OF VALVE BOXES.
5. BOX LOCATIONS SHALL BE STAKED IN THE FIELD PRIOR TO MAINLINE INSTALLATION FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT.



NOTE:
VALVE BOXES SHALL BE INSTALLED IN SHRUB AND GROUND COVER AREAS. NO VALVES SHALL BE INSTALLED IN TURF AREAS WITHOUT PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT.

PLAN VIEW - N.T.S.

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P VALVE BOX LAYOUT

IRRIGATION CONTROLLER RUN TIMES

POC or Controller		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total / Avg.
A	ETo / Month (Inches):	2.20	2.70	3.70	4.70	5.50	5.80	6.20	5.90	5.00	3.90	2.60	1.90	50.10
	ETo / Day (Inches):	0.07	0.10	0.12	0.16	0.18	0.19	0.20	0.19	0.17	0.13	0.09	0.06	0.14
	Irrigation Days / Week:	3	4	4	5	5	6	6	6	5	4	4	3	

Plant / Irrig. Type	AKc	Pr Rate	IE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Low Plantings	0.20	1.00	0.81	2.5	2.5	3.1	3.2	3.7	3.3	3.5	3.3	3.5	3.3	2.2	2.1	Min./Day/Zone
Bubblers	Number of Zones:		2	4.9	5.0	6.2	6.5	7.4	6.7	6.9	6.6	6.9	6.5	4.5	4.2	Total Min./Day
Moderate Plantings	0.40	1.00	0.81	4.9	5.0	6.2	6.5	7.4	6.7	6.9	6.6	6.9	6.5	4.5	4.2	Min./Day/Zone
Bubblers	Number of Zones:		2	9.8	10.0	12.4	13.0	14.7	13.4	13.8	13.2	13.8	13.0	9.0	8.5	Total Min./Day
Moderate Turf	0.60	0.94	0.81	7.8	8.0	9.9	10.4	11.7	10.7	11.0	10.5	11.0	10.4	7.2	6.8	Min./Day/Zone
Drip Tubing	Number of Zones:		1	7.8	8.0	9.9	10.4	11.7	10.7	11.0	10.5	11.0	10.4	7.2	6.8	Total Min./Day
Low Trees	0.20	1.00	0.81	2.5	2.5	3.1	3.2	3.7	3.3	3.5	3.3	3.5	3.3	2.2	2.1	Min./Day/Zone
Bubblers/Drip Tubing	Number of Zones:		3	7.4	7.5	9.3	9.7	11.0	10.0	10.4	9.9	10.4	9.8	6.7	6.4	Total Min./Day
Total Number of Zones:			8	30	30	38	40	45	41	42	40	42	40	27	26	Total Min./Day
Total Controller Run Time in Hours:				0.50	0.51	0.63	0.66	0.75	0.68	0.70	0.67	0.70	0.66	0.46	0.43	Total Hrs./Day
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

Note: These schedules are intended only for compliance with local municipal codes and the water efficient landscape ordinance. These calculations represent the MAXIMUM REASONABLE run times and are used to ensure that all irrigation may be completed during the specific watering window allowed. These schedules do not include rainfall, site soil types, specific exposures (shade versus sun), actual irrigation days, or specific slope position. It is solely the responsibility of the irrigation contractor to program the controller as required to apply the correct amount of irrigation water for the landscape. All smart controllers shall be programmed using the specified ET or weather sensing equipment, satellite provided ET data, soil moisture sensors, and rain shut off devices as required. Contractor shall provide a controller schedule inside the controller cabinet prior to final turnover of the project to the owner.

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REVISION DATES (DESIGN STAGE ONLY)

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BUREAU OF ENGINEERING
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BUILDING NO. XX/XX
INDEX NO. -
MF-300492

NO.	REVISIONS:	DATE:	BY:
-			

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: IRRIGATION DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — LIC. NO. C20985
ARCHITECT: DEBRA GERO — AGENCE TER & GRUEN ASSOCIATES
DESIGNED BY: TD, ND, MS
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT

NO.	REVISIONS:	DATE:
1		11/08/2019
2		12/19/2021

LICENSED LANDSCAPE ARCHITECT — DEBRA MOWELL — STATE OF CALIFORNIA — Registered Date — Date

WORK ORDER NO.

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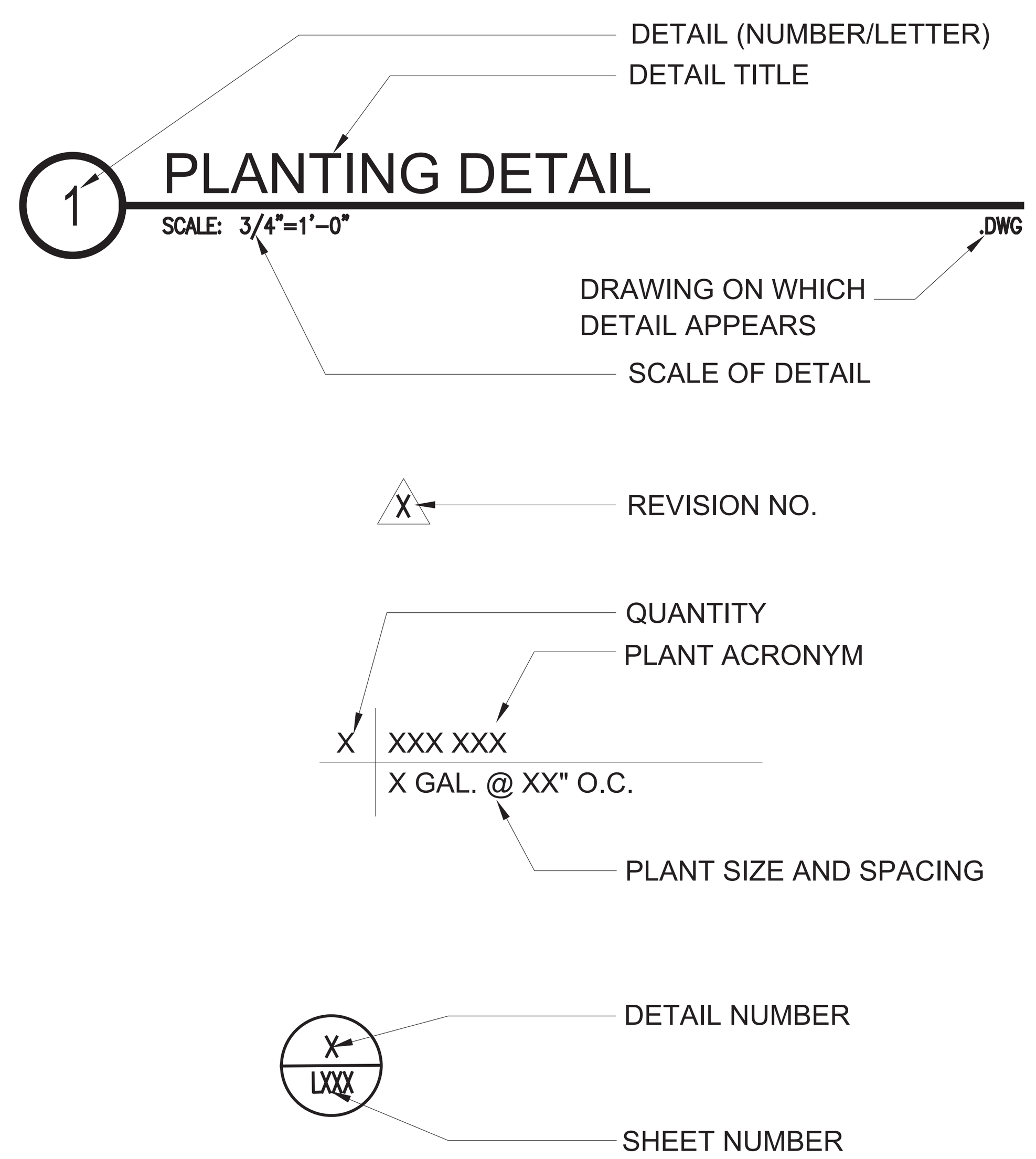

ABBREVIATIONS

A.D.	AREA DRAIN
AFF	ABOVE FINISH FLOOR
BOC	BACK OF CURB
CB	CATCH BASIN
CJ	CONTROL JOINT
CCJ	CRACK CONTROL JOINT
C.I.P.	CAST IN PLACE
℄	CENTER LINE
CLR	CLEAR
CONT	CONTINUOUS
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DIA.	DIAMETER
DIM	DIMENSION
DN	DOWN
(E)	EXISTING
EJ	EXPANSION JOINT
EQ.	EQUAL
FT OR ( ) '	FEET OR FOOT
GALV. MAT	GALVANIZED MATERIAL
IN OR ( ) "	INCHES OR INCH
MAX	MAXIMUM
MIN.	MINIMUM
(N)	NEW
NTS	NOT TO SCALE
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
ROW OR R/W	RIGHT-OF-WAY
SCH	SCHEDULE
SIM	SIMILAR
TOC	TOP OF CURB
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V/F	VERIFY IN FIELD
W/	WITH
WD	WIDTH
WWM	WELDED WIRE MESH

PLANTING NOTES

GENERAL

1. ALL WORK IN THE CITY OF LOS ANGELES SHALL CONFORM TO APPLICABLE CITY AND COUNTY STANDARD CODES.
2. ALL WORK SHALL CONFORM TO AB 1881, STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) SEPTEMBER, 2009.
3. PRIOR TO CONSTRUCTION, CONTRACTOR TO CONFIRM WITH CITY OF LOS ANGELES' REPRESENTATIVE THAT AGREEMENTS ARE IN PLACE WITH THE PROPERTY OWNERS TO DEMOLISH, RELOCATE OR PLANT TREES OR OTHER PLANTS INDICATED WITHIN PRIVATE PROPERTY LINES ON THESE LANDSCAPE PLANS.
4. CONTRACTOR SHALL CAREFULLY INSPECT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL NOTIFY CITY OF LOS ANGELES' REPRESENTATIVE IF ANY INCONSISTENCIES OCCUR.
5. CONTRACTOR SHALL MAINTAIN A QUALIFIED ENGLISH SPEAKING SUPERVISOR ON THE SITE AT ALL TIMES; DURING CONSTRUCTION THROUGH COMPLETION OF PUNCH LIST ITEMS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BACKFILL AND TRENCH COMPACTION FINISH GRADING DRAINAGE AT A MINIMUM OF 2% AND INSTALLATION OF ALL EQUIPMENT AND MATERIALS, AS SHOWN ON THE DRAWINGS AND PER THE SPECIFICATIONS.
7. THE CONTRACTOR SHALL REMOVE ALL WEEDS, ROCKS, DEBRIS, AND OTHER EXTRANEOUS MATERIALS LARGER THAN 1" FROM THE JOB SITE PRIOR TO PROCEEDING WITH ANY WORK. RIP ANY COMPACTED SOIL TO A DEPTH OF 12" AND AMEND ALL SOIL 24" DEEP FOR PLANT ROOTING AND ESTABLISHMENT. WEED CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR IN ALL PLANTING AREAS DURING CONSTRUCTION AND MAINTENANCE PERIODS.
8. ALL EXISTING UTILITIES TO BE RELOCATED PER CIVIL PLANS.
9. ALL NEW PAVING LAYOUT PER CIVIL AND HARDSCAPE PLANS. SEE LANDSCAPE DRAWINGS FOR MATERIALS, FINISHES AND COLORS.
10. VERIFY ABOVE AND BELOW GROUND UTILITY LOCATIONS AND COORDINATE INSTALLATION OF TREES AND LANDSCAPING WITH THEM.
11. TREE LOCATIONS SHALL ADHERE TO CITY OF LOS ANGELES APPROVED MINIMUM DISTANCES TO STREET LIGHT STANDARDS, FIRE HYDRANTS, INTERSECTIONS, DRIVEWAY SETBACKS, ETC.
12. CITY OF LOS ANGELES' REPRESENTATIVE SHALL REVIEW ALL PLANTING WORK. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL CONTACT CITY OF LOS ANGELES' REPRESENTATIVE AND COORDINATE ALL FIELD REVIEWS. CITY OF LOS ANGELES' REPRESENTATIVE SHALL REVIEW THE LOCATION OF ALL PLANT MATERIALS PRIOR TO THE EXCAVATION OF PLANT PITS.
13. ALL PLANT MATERIALS SHALL BE HANDLED OR STORED SO THAT THEY ARE ADEQUATELY PROTECTED FROM DRYING OUT, FROM SUN OR WINDBURN, OR FROM ANY OTHER INJURY.
14. PLANTS ARE SUBJECT TO REVIEW AT PLACE OF GROWTH AND ON THE PROJECT SITE AT ANY TIME BEFORE OR DURING PROGRESS WORK.
15. PLANT SPECIES SUBSTITUTES NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY CITY OF LOS ANGELES' REPRESENTATIVE IN WRITING. ALL SUBSTITUTIONS MUST COMPLY WITH MWELO.
16. CONTRACTOR SHALL SUPPLY OWNER'S REPRESENTATIVE WITH THE FOLLOWING:
    A. COPIES OF NURSERY INVOICES FOR THE PURPOSE OF VERIFYING PLANT QUANTITY AND TYPE AT THE TIME OF DELIVERY. NO PLANT MATERIALS WILL BE ACCEPTED WITHOUT THIS INFORMATION. ALL PATENT VARIETIES MUST HAVE PATENT TAGS ATTACHED.
    B. COPIES OF INVOICES FOR NITROHUMUS AND NITROGEN STABILIZED COMPOSTED WOOD PRODUCT. PHYSICAL AMENDMENTS WILL NOT BE APPROVED WITHOUT THIS INFORMATION.
    C. COPIES OF INVOICES FOR PROOF AND ANALYSIS AND AMOUNTS OF FERTILIZER AND HERBICIDES. PLANTING OPERATIONS SHALL NOT COMMENCE WITHOUT THIS INFORMATION.
17. THE MAINTENANCE PERIOD SHALL BEGIN AT THE ACCEPTANCE OF FINAL INSPECTION AND CONTINUE FOR TWO (2) YEARS. MAINTENANCE PERIOD SHALL BE WEEKLY.
18. IF THE MAINTENANCE PERIOD IS EXTENDED DUE TO NON-COMPLETION OF WORK, THE CONTRACTOR SHALL BEAR THE EXPENSE OF ADDITIONAL COSTS.
19. THE CONTRACTOR SHALL GUARANTEE ALL NEW CONTAINER PLANT MATERIAL AND RELOCATED PLANT MATERIAL AND WORKMANSHIP FOR A PERIOD OF (1) ONE YEAR AFTER INSTALLATION.
20. ALL MITIGATION GRADING AND RETAINING WALLS PER CIVIL DRAWINGS.
21. ALL EXISTING PLANTS, BOTH INSIDE AND OUTSIDE OF THE R/W, TO REMAIN IN PLACE SHALL BE PROTECTED PER SPECIFICATIONS DIVISION 1. IF ANY EXISTING SHRUBS OR PALMS ARE DAMAGED OR DESTROYED BECAUSE OF CONSTRUCTION, THE CONTRACTOR WILL REPLACE IN-KIND WITH SIMILAR SIZE OF DAMAGED OR DESTROYED MATERIAL TO MATCH SURROUNDING PLANTS. IN THE CASE OF TREES, REPLACEMENT TREES SHALL BE 36" BOX OR LARGER.
22. ALL PUBLIC PATHS OF TRAVEL ALTERED BY THIS PROJECT SHALL CONFORM TO ADA REQUIREMENTS. IF A CONFLICT ARISES BETWEEN THE PLANS AND AN IN-FIELD SITUATION DURING CONSTRUCTION, CONTACT OWNER'S REPRESENTATIVE FOR RESOLUTION.
23. PLANT QUANTITIES SHOWN FOR CONTRACTOR'S CONVENIENCE. CONTRACTOR TO VERIFY AND FULFILL DESIGN INTENT OF LANDSCAPE PLANS.
24. FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, THE LANDSCAPE CERTIFICATION, FORM GRN 12, SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.
25. EXCAVATED SOIL AND LAND CLEARING DEBRIS: 100 PERCENT OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED. FOR A PHASED PROJECT, SUCH MATERIAL MAY BE STOCKPILED ON SITE UNTIL THE STORAGE SITE IS DEVELOPED.
26. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING ARES EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED.

GRADING AND IMPORT SOIL

27. SEE SPECIFICATIONS FOR IMPORT SOIL AND TESTING REQUIREMENTS.
28. OBTAIN SOIL ANALYSIS FOR FINAL SPECIFICATION FROM SOIL AND PLANT LABORATORY INC. (714) 282-8777 OR APPROVED TESTING FACILITY. SITE SAMPLES SHALL BE GATHERED BY TESTING AGENCY. TEST SOIL PRIOR TO INSTALLING IRRIGATION.
29. SUBMIT SOILS ANALYSIS RESULTS TO CITY OF LOS ANGELES' REPRESENTATIVE FOR REVIEW PRIOR TO INSTALLATION. CONTRACTOR SHALL OBTAIN AND PAY FOR AGRONOMICAL SOIL TESTS FOR THE IMPORTED TOP SOIL, ONE PER SOURCE. THE SOILS TEST SHALL BE SUBMITTED TO CITY OF LOS ANGELES' REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO THE DELIVERY OF THE SOIL.
30. THE FOLLOWING AMENDMENT TREATMENT TO BE USED FOR BIDDING PURPOSES ONLY. FINAL SPECIFICATION BY CONTRACTOR PER RECOMMENDATION OF IMPORTED SOIL ANALYSIS. BROADCAST UNIFORMLY AND INCORPORATE THOROUGHLY, TO A DEPTH OF 12" SOIL THE FOLLOWING AMENDMENTS:
    AMT/1,000 SQUARE FEET
    4 CY NITROLIZED SHAVINGS
    10 LBS. SOIL SULFUR
    30 LBS. AGRICULTURAL GYPSUM
31. CONTRACTOR TO REMOVE EXISTING EXISTING SOIL AND REPLACE AND AMEND PER PLANTING SPECIFICATIONS
32. FERTILIZER AND AMENDMENT SHALL BE THOROUGHLY ROTOTILLED TO A DEPTH OF 2'.
    BACKFILL MIX: ALL PLANTING PITS SHALL BE BACKFILLED WITH NATIVE SOILS ONLY.
33. PLANTING TABLET CHART
    GRO POWER (7 GRAM) PLANTING TABLETS SHALL BE USED IN ALL PLANTING PITS AS FOLLOWS:
    1 GALLON - 3 EACH
    5 GALLON - 9 EACH
    15 GALLON - 15 EACH
    24" BOX - 18 EACH
    36" BOX - 20 EACH
    48" BOX - 24 EACH
34. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.
35. ROUGH GRADING SHALL CONSIST OF, BUT NOT LIMITED TO, ESTABLISHING ALL GRADES AS SHOWN AND NOTED ON PLAN, ESTABLISH FLOWLINES, CONTOUR GRADING AND REMOVING ANY FOREIGN MATERIAL. SEE CIVIL DRAWINGS.
36. BRING ALL PLANTING AREAS TO FINISH GRADE AFTER SOIL PREP & MULCHING TO 1/2" BELOW PAVING AND CURBS, OR AS NOTED BY SPOT ELEVATIONS.
37. WATER SETTLE ALL LANDSCAPED AREAS WITH OVERHEAD WATER PRIOR TO FINE GRADING AND INSTALLATION OF PLANT MATERIAL.
38. DRAINAGE TESTING / DRAINAGE CHANNEL REQUIREMENTS.
    PRIOR TO PLANTING ALL PLANTING PITS SELECTED FOR TESTING SHALL BE TESTED IN THE FOLLOWING MANNER:
    A. DIG EACH PLANTING PIT TO THE MINIMUM SPECIFIED SIZE.
    B. FILL PLANTING PIT WITH TWELVE INCHES (12") OF WATER. IF THE WATER LEVEL DROPS FOUR INCHES (4") OR MORE WITHIN FOUR (4) HOURS, THE DRAINAGE IS SUFFICIENT AND DRAINAGE CHANNEL IS NOT REQUIRED.IF, HOWEVER, THE WATER LEVEL DROPS LESS THAN FOUR INCHES (4") WITHIN THE FOUR (4) HOUR PERIOD, A DRAINAGE CHANNEL IS REQUIRED.
    C. WHERE REQUIRED, THE DRAINAGE CHANNEL MUST EXTEND DOWN TO THE EXISTING STRUCTURAL SLAB. DRAINAGE CHANNEL SHOULD NOT CONFLICT WITH BELOW GRADE UTILITIES OR STORM DRAIN LINES.
39. I HAVE COMPILED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.
40. A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
41. A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE SIGNER OF THE LANDSCAPE PLANS, THE SIGNER OF THE IRRIGATION PLANS OR LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.
42. PROJECT INFORMATION
    A. PROJECT ADDRESS: 532 S OLIVE ST, LOS ANGELES, CA 90013
    B. TOTAL LANDSCAPE AREA:
        a. PHASE 1A: 7,434 SQFT
        b. PHASE 1B: 22,312 SQFT
        c. PHASE 2: 32,677 SQFT
    C. WATER SUPPLY TYPE: DOMESTIC WATER
    D. CONTACT:
        GRUEN ASSOCIATES
        6330 SAN VICENTE BLVD STE 200
        LOS ANGELES, CA 90048
        T: 323.937.4270

PLANTING

43. NO WEED CONTROL MATERIAL OR METHOD SHALL AFFECT THE LANDSCAPE PLANTING OR ESTABLISHMENT AND MUST CONFORM TO FEDERAL, STATE AND LOCAL REGULATIONS.
44. TREES AND SHRUBS SHALL BE PLANTED IN ACCORDANCE AS FOLLOWS:
    TREE (24"/36"/48" BOX) SEE DETAIL SHT. (PLUS GRO-POWER TABLETS PER CHART ABOVE).
    SHRUBS (15, 5 & 1 GAL) SEE DETAIL SHT. (PLUS GRO-POWER TABLETS PER CHART ABOVE).
45. GROUNDCOVER PLANTING SHALL BE CONTINUOUS UNDER TREES AND SHRUBS. SEE LEGEND FOR THE VARIETY AND SPACING. SEE DETAIL SHEET FOR INSTALLATION.
46. PROVIDE AND INSTALL PLANT MATERIALS BASED ON COUNT OF PLANT SYMBOLS ON PLANS, OR ON THE SPACING DESCRIBED IN THE LEGEND.
47. COORDINATE TREE PLACEMENT WITH LOCATIONS OF BUBBLERS TO BEST PROVIDE FOR COMPLETE COVERAGE.
48. PRUNE TREES AND SHRUBS ONLY IF DIRECTED BY OWNER'S REPRESENTATIVE AND PER SPECIFICATION.
49. ANY ENCOUNTERED TREE THAT IS NOT SHOWN ON THESE PLANS WITHIN THE NEWLY ACQUIRED R/W, OR THAT WILL BE AFFECTED BY CONSTRUCTION, SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR RESOLUTION IN ACCORDANCE WITH THE DESIGN INTENT OF THESE DRAWINGS.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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GRUEN ASSOCIATES — ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter — PAYSAGISTES URBANISTES

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT — DEAN HOWELL 5766 — Signature — 12-31-21 Renewal Date — Date — STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD — LIC. NO. C23665

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: TD, ND, MS

CHECKED BY: DH

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: PLANTING NOTES

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. L600-1A

SHEET OF SHEETS

PLOTTED:

PLANT SCHEDULE ONSITE

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	DETAIL
	AGO FLE	AGONIS FLEXUOSA	PEPPERMINT TREE	36" BOX	12	1/L801-1A
	CER TXW	CERCIS CANADENSIS TEXENSIS `TEXAS WHITE`	TEXAS WHITE REDBUD	15 GAL.	2	4/L800-1A
	CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	15 GAL.	1	4/L800-1A
	CHI BUR	CHILOPSIS LINEARIS `BURGUNDY`	BURGUNDY DESERT WILLOW	15 GAL.	1	4/L800-1A
	CHI WAR	CHILOPSIS LINEARIS `WARREN JONES` TM	WARREN JONES DESERT WILLOW	15 GAL.	1	4/L800-1A

SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	DETAIL
	AEO ARB	AEONIUM ARBOREUM	TREE AEONIUM	1 GAL.	24" o.c.	6	3/L800-1A
	AGA BRA	AGAVE BRACTEOSA	SPIDER AGAVE	5 GAL.	18" o.c.	25	3/L800-1A
	ALO BRE	ALOE BREVIFOLIA	SHORT-LEAVED ALOE	1 GAL.	12" o.c.	18	3/L800-1A
	ALO QTZ	ALOE CAPITATA QUARTZITICOLA	ALOE	1 GAL.	24" o.c.	5	3/L800-1A
	ARC MON	ARCTOSTAPHYLOS HOOKERI `MONTEREY CARPET`	MONTEREY CARPET HOOKER`S MANZANITA	1 GAL.	48" o.c.	16	3/L800-1A
	ARC MIS	ARCTOSTAPHYLOS X `PACIFIC MIST`	PACIFIC MIST MANZANITA	5 GAL.	60" o.c.	8	3/L800-1A
	BAC PIG	BACCHARIS PILULARIS `PIGEON POINT`	PIGEON POINT COYOTE BRUSH	5 GAL.	60" o.c.	24	3/L800-1A
	BAC CEN	BACCHARIS X `CENTENNIAL`	CENTENNIAL COYOTE BRUSH	5 GAL.	48" o.c.	14	3/L800-1A
	BER RPS	BERBERIS REPENS	CREEPING OREGON BARBERRY	1 GAL.	24" o.c.	13	3/L800-1A
	CEA YAN	CEANOTHUS GRISEUS HORIZONTALIS `YANKEE POINT`	YANKEE POINT CARMEL CREEPER	5 GAL.	60" o.c.	7	3/L800-1A
	CEA DAW	CEANOTHUS MARITIMUS `FROSTY DAWN`	FROSTY DAWN MARITIME CEANOTHUS	5 GAL.	48" o.c.	12	3/L800-1A
	CEA VAL	CEANOTHUS MARITIMUS `VALLEY VIOLET`	VALLEY VIOLET MARITIME CEANOTHUS	5 GAL.	48" o.c.	14	3/L800-1A
	CEA CON	CEANOTHUS X `CONCHA`	CONCHA WILD LILAC	5 GAL.	72" o.c.	3	3/L800-1A
	ECH AFT	ECHEVERIA X `AFTERGLOW`	AFTERGLOW ECHEVERIA	1 GAL.	12" o.c.	4	3/L800-1A
	ERI ARB	ERIOGONUM ARBORESCENS	SANTA CRUZ ISLAND BUCKWHEAT	5 GAL.	48" o.c.	12	3/L800-1A
	ERI GIG	ERIOGONUM GIGANTEUM	ST. CATHERINE`S LACE	5 GAL.	72" o.c.	8	3/L800-1A
	LAV FRE	LAVANDULA DENTATA CANDICANS	FRENCH LAVENDER	5 GAL.	36" o.c.	30	3/L800-1A
	MYR DWA	MYRTUS COMMUNIS `COMPACTA`	DWARF MYRTLE	5 GAL.	30" o.c.	24	3/L800-1A
	ROS IRE	ROSMARINUS OFFICINALIS `IRENE` TM	IRENE TRAILING ROSEMARY	5 GAL.	48" o.c.	24	3/L800-1A
	ROS RBE	ROSMARINUS OFFICINALIS `ROMAN BEAUTY` TM	CHEF`S CHOICE ROSEMARY	1 GAL.	24" o.c.	41	3/L800-1A
	SAL POI	SALVIA LEUCOPHYLLA `POINT SAL`	PURPLE LEAF SAGE	5 GAL.	60" o.c.	6	3/L800-1A
	SAL CES	SALVIA MELLIFERA `GREEN CARPET`	GREEN CARPET BLACK SAGE	5 GAL.	48" o.c.	4	3/L800-1A

GRASSES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	DETAIL
	BOU GR3	BOUTELOUA GRACILIS	BLUE GRAMA GRASS	1 GAL.	12" o.c.	51	1/L800-1A
	FES MAI	FESTUCA MAIREI	ATLAS FESCUE	1 GAL.	24" o.c.	31	1/L800-1A
	SES AUT	SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL.	24" o.c.	39	1/L800-1A
	STE SEC	STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE GRASS	SOD		1,095 SF	2/L800-1A

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BUILDING NO.
XXXX

MF-3000492

INDEX NO. -

LICENSED LANDSCAPE ARCHITECT
DEBRA HOWELL GERODIAS
C3865
Renewal Date
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING SCHEDULE

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S. OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER
2/16/2021

ARCHITECTURAL DIVISION
LIC. NO. C3865
ARCHITECT: DEBRA GERODIAS
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, MD, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/2019

WORK ORDER NO.

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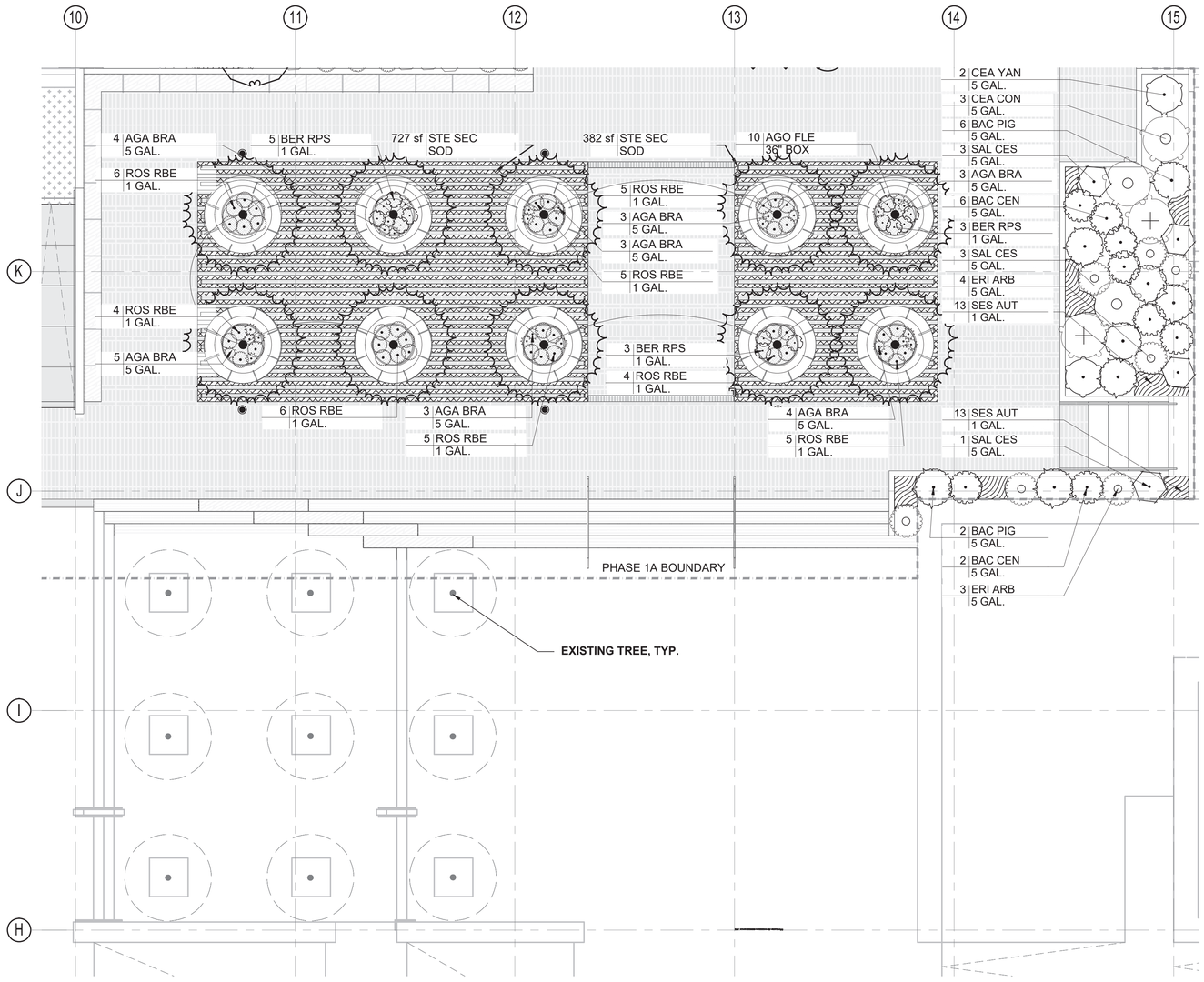

1 ENLARGED PLAN : OLIVE PLAZA

SCALE: 1/8" = 1'-0"

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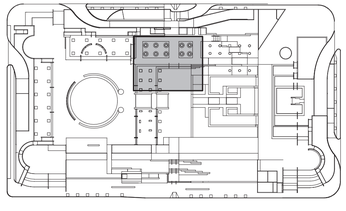
KEY MAP



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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

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BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT DEAN HOWELL 5766 Signature 12/31/21 Date Renewal Date STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP
CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
12/16/2021
11/08/20

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PLANTING PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
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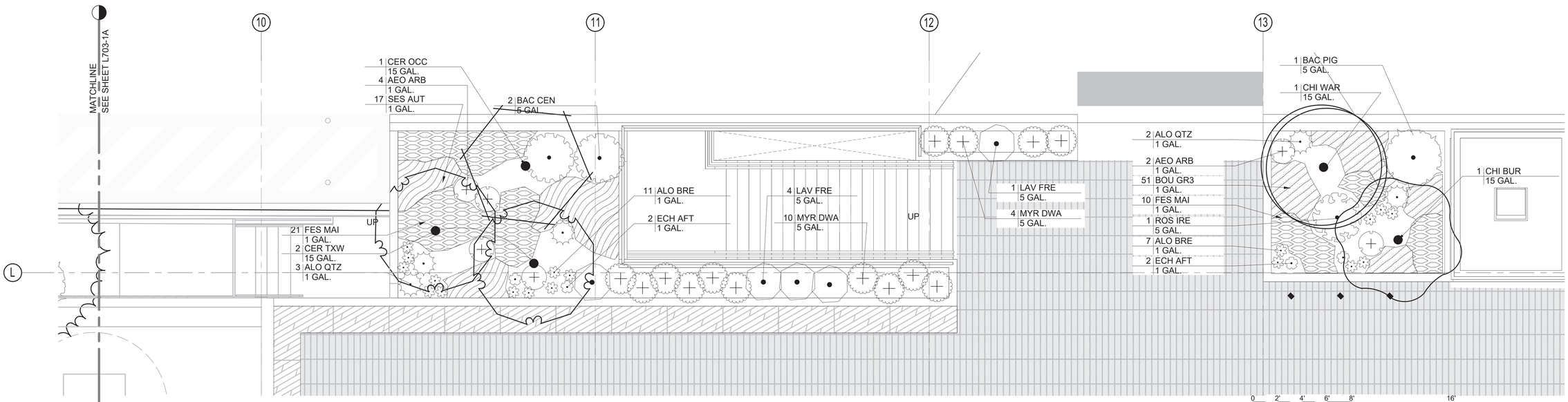

1 ENLARGED PLAN : OLIVE STREET PLANTERS CENTRAL

SCALE: 1/4" = 1'-0"

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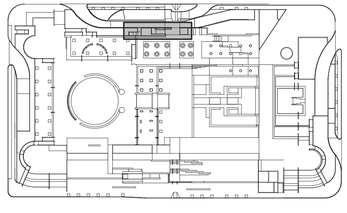
OFFICIAL RECORD

KEY MAP



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INDEX NO. -

MF-300492

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- 12/16/2021 11/08/2021

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION LIC. NO. C23985

ARCHITECT: DEBRA GERKO AGENCE TER & GRUEN ASSOCIATES

DESIGNED BY: TD, ND, MS

DRAWN BY: TD, ND, MS

CHECKED BY: DH

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

LICENSED LANDSCAPE ARCHITECT DEBRA GERKO REG. NO. 5185 STATE OF CALIFORNIA
Date
Renewal Date

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: PLANTING PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S. OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

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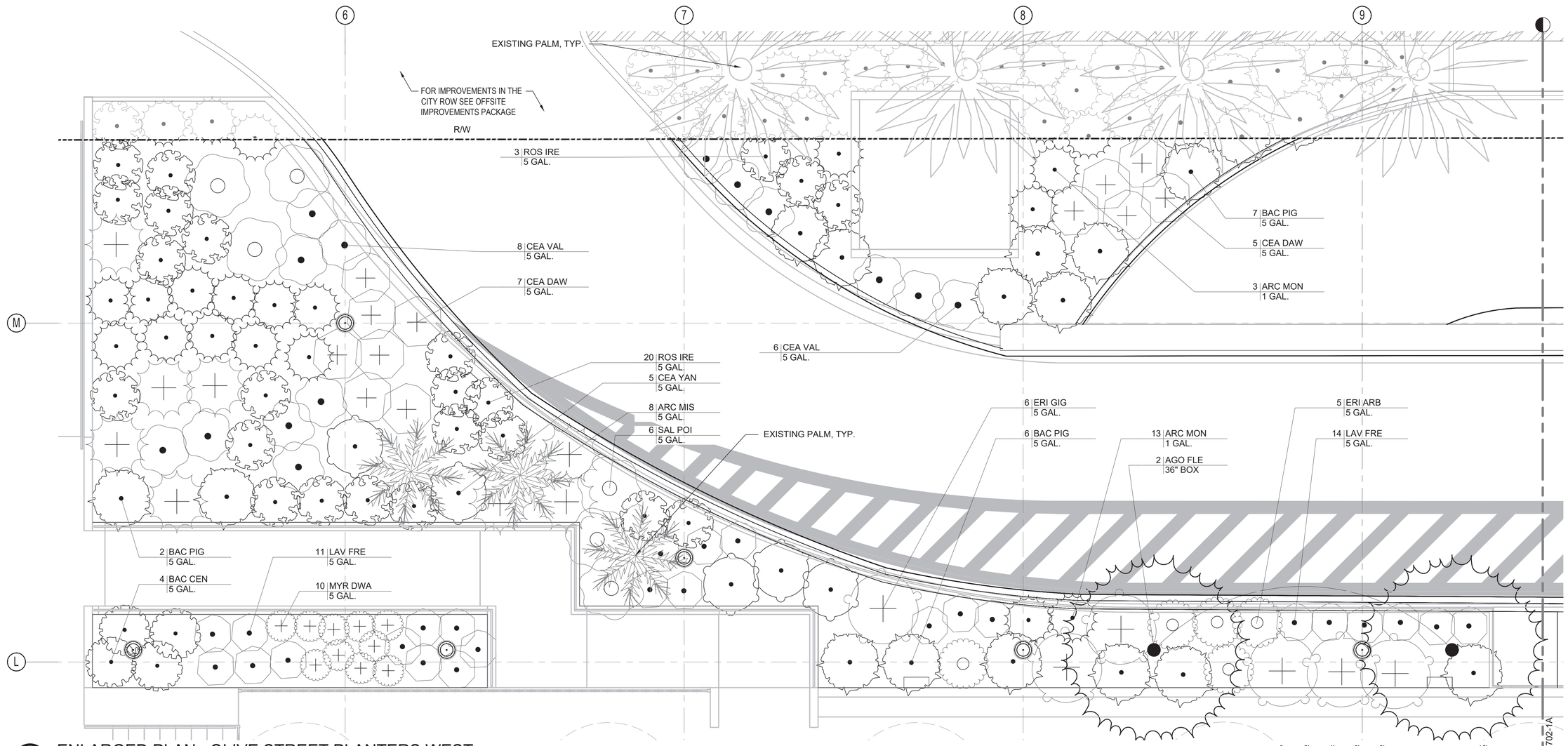

1 ENLARGED PLAN : OLIVE STREET PLANTERS WEST

SCALE: 1/4" = 1'-0"

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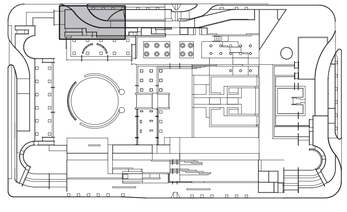
KEY MAP



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ENGINEERING CITY OF LOS ANGELES

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INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT DEAN HOWELL 6766 Signature Date Renewal Date STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — 12/16/2021
ARCHITECTURAL DIVISION — LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TD, ND, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PLANTING PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
DRAWING NO. L703-1A
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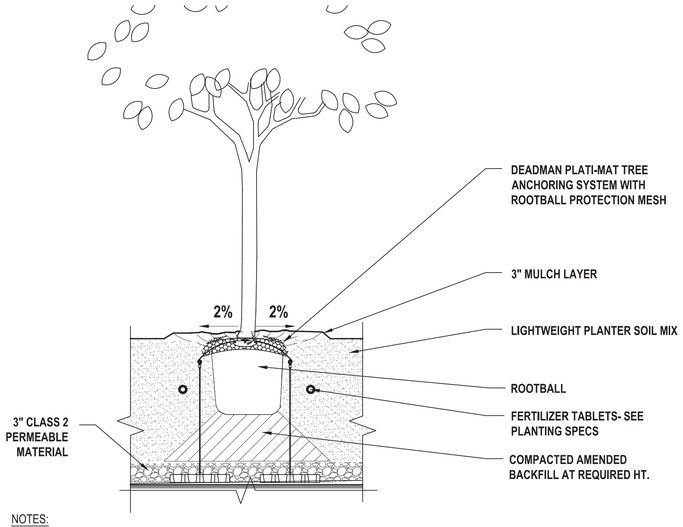
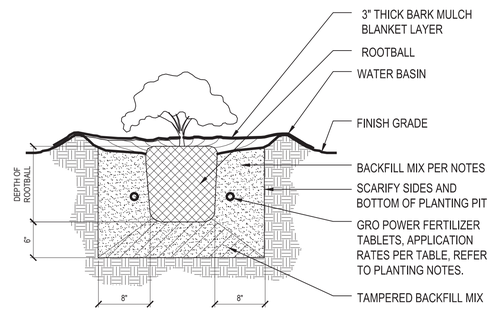


NOTES:

1. LANDSCAPE ARCHITECT TO BE PRESENT ONSITE AT TIME OF INSTALLATION. CONTACT LANDSCAPE ARCHITECT MINIMUM 48 HOURS PRIOR TO PLANNED INSTALLATION DATE.
2. INSTALL INTERLOCKING D-MAN PLATI-MATS AT BASE OF PLANTER BEFORE FILLING GRAVEL AND SOIL LAYERS.
3. RATCHET GALVANIZED WIRE TIGHT ONCE TREE AND SOIL VOLUME HAS BEEN INSTALLED.
4. CONTRACTOR TO COORDINATE SIZE OF BELOW GRADE TREE ANCHOR WITH MANUFACTURER.
5. FOLLOW ALL MANUFACTURER INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
6. APPLY MULCH LAYER TO PREVENT EXPOSURE OF BELOW GRADE TREE ANCHOR SYSTEM COMPONENTS.
7. DETAIL APPLIES TO BOX SIZED TREES ONLY, FOR 15 GALLON TREE PLANTING SEE 5/L800-1A, THIS SHEET.

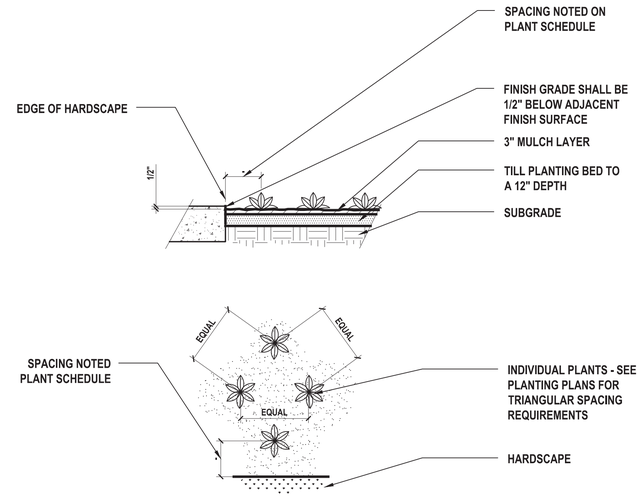
5 TREE ANCHORING IN RAISED PLANTER

SCALE: 1/2" = 1'-0"



3 SHRUB PLANTING

SCALE: 1/2" = 1'-0"

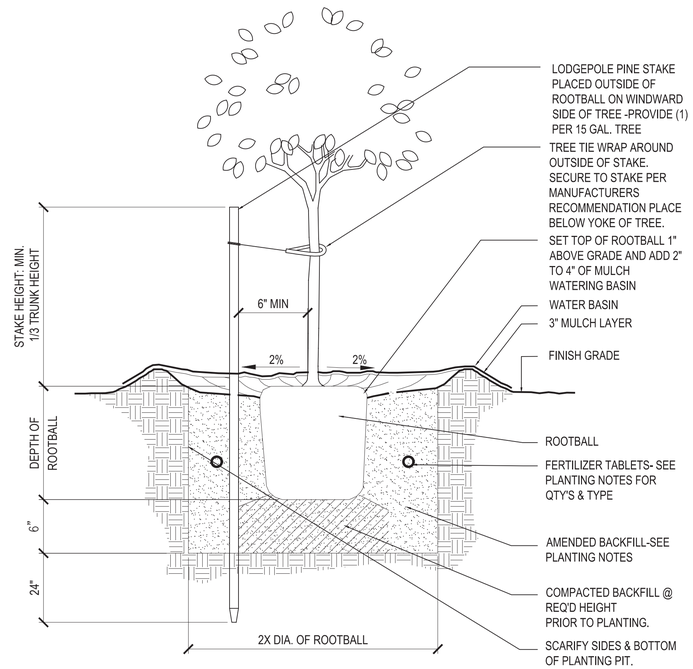


NOTES:

1. CROSS RIP AREAS TO RECEIVE SOIL AMENDMENTS TO A DEPTH OF 12". BLEND SOIL AMENDMENTS INTO NATIVE SOIL TO AVOID ANY DISTINCT SOIL PROFILE. INSTALL GROUND CORES IN MOIST SOIL.
2. MAXIMIZE QUANTITY OF PLANTING WITHIN PLANTING AREA WITH O.C. SPACING.

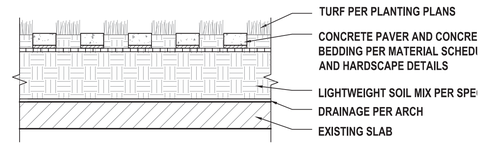
1 GROUNDCOVER, PERENNIAL, & GRASS MASS PLANTING

SCALE: 1/2" = 1'-0"



4 15 GAL. TREE STAKING

SCALE: 1-1/2" = 1'-0"



2 TURF PLANTING IN PAVER

SCALE: 1" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

GRUEN ASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED LANDSCAPE ARCHITECT DEBRA M. TER No. 3565 STATE OF CALIFORNIA
Signature
Renewal Date
Date

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP	CITY ENGINEER	
ARCHITECTURAL DIVISION		
ARCHITECT: DEBRA GERCO	LIC. NO. C23565	12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: TO, NO, MS		
CHECKED BY: DH		11/08/2021
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		

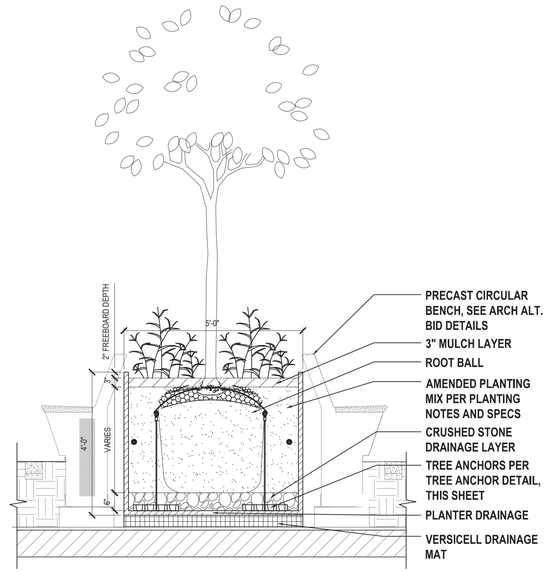
WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

DRAWING NO. L800-1A

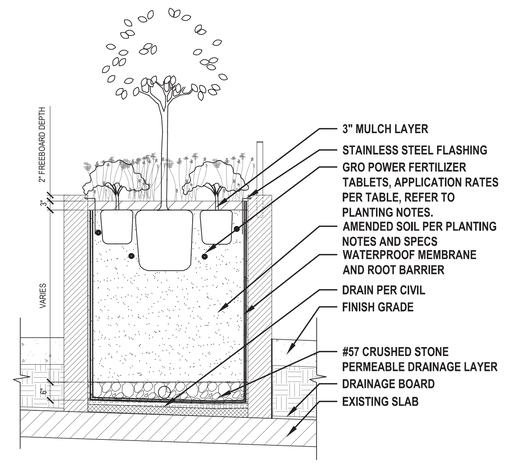
SHEET OF SHEETS

PLOTTED:



1 TREE PLANTING IN RAISED PLANTER

SCALE: 3/4" = 1'-0"



2 PLANTING IN CONCRETE PLANTER

SCALE: 3/4" = 1'-0"

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CITY OF LOS ANGELES

BUILDING NO. XX/XX

INDEX NO. -

MF-300492

NO. | REVISIONS: | DATE: | BY:
- | - | | |

LICENSED LANDSCAPE ARCHITECT
GILLIAN MOORE
No. 6134
Renewal Date
Date
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLANTING DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GERCO — LIC. NO. C28565
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: TO, NO, MS
CHECKED BY: DH
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/2021

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SHEET SHEETS OF

PLOTTED:

ABBREVIATIONS

JST	JOITS
JT	JOINT
K	KIPS
KSI	KIPS PER SQUARE INCH
LAB	LABORATORY
LB(S) or #	POUND(S)
LF	LINEAR FOOT
LIN	LINEAL; LINEAR
LLBB	LONG LEGS BACK-TO-BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT WT	LIGHTWEIGHT
LVL	LEVEL
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AGGR	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPVD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL; ARCHITECT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION
AWS	AMERICAN WELDING SOCIETY
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
&	AND
@	AT
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BN	BOUNDARY NAIL
BNDRY	BOUNDARY
BOT or B	BOTTOM
BRC	BRACE
BRG	BEARING
BTWN	BETWEEN
CANT	CANTILEVER
CC	CENTER TO GRAVITY
CG	CENTER OF GRAVITY
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT; CONTROL JOINT
CL	CENTER LINE
CLR	CLEARANCE; CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION; CONNECT
CONSTR	CONSTRUCTION
CJP - CP	COMPLETE JOINT PENETRATION WELD
CTSK	COUNTERSINK; COUNTERSUNK
CU FT	CUBIC FOOT
d	PENNY (NAIL OR BAR DIA)
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DF	DOUGLAS FIR/LARCH
DIA or Ø	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL or	ELEV ELEVATION i.e. EL 100'-0" i.e. PER ELEV
ELEC	ELECTRICAL
EMBED	EMBEDMENT
EN	EDGE NAIL
ENGR	ENGINEER
EQ	EQUAL; EQUIVALENT
EQUIP	EQUIPMENT
ETC	ET CETERA
EW	EACH WAY
EXIST or	(E) EXISTING
EXT	EXTERIOR
FDN	FOUNDATION
FF	FINISHED FLOOR
FIN	FINISH
FJ	FLOOR JOIST
FL	FLOOR LINE
FLG	FLANGE
FLR	FLOOR
FN	FIELD NAIL
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FULL PENETRATION; FIRE PROOFING
FRMG	FRAMING
FT	FOOT; FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GLB	GLUE LAMINATED BEAM
GR	GRADE
GRND	GROUND
HORIZ	HORIZONTAL
HDF	HEADER
HGR	HANGER
HOSP	HOSPITAL
HP	HIGH POINT
HS	HIGH STRENGTH
HSH	HORIZONTALLY SLOTTED HOLES
HT	HEIGHT
ID	INSIDE DIAMETER
I-JST	I-JOIST
IN	INCH
INCL	INCLUDE
INFO	INFORMATION
INSP	INSPECTION
INT	INTERIOR
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MISCELLANEOUS CHANNEL SHAPE
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM; MINUTE
MISC	MISCELLANEOUS
(N)	NEW
NIC	NOT IN CONTRACT
NORM	NORMAL
NO or #	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OSB	ORIENTED STRAND BOARD
PARA OR //	PARALLEL
PC	PRECAST; PIECE
PERP	PERPENDICULAR
PI	PLWOOD INDEX
℄	PLATE
PL	PROPERTY LINE
PLF	POUNDS PER LINEAL FOOT
PLCS	PLACES
PLY	PLYWOOD
PT	POST TENSIONED
PJP - PP	PARTIAL JOINT PENETRATION WELD
PREFAB	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
#	POUND; NUMBER
REF	REFERENCE
REINF	REINFORCE; REINFORCING
REQD	REQUIRED
RF	ROOF
SCCS	SPECIAL CANTILEVER COLUMN SYSTEM
SCHED	SCHEDULE
SECT	SECTION
SEP	SEPARATION
SHT	SHEET
SHTG	SHEATING
SIM	SIMILAR
SLBB	SHORT LEGS BACK-TO-BACK
SOG	SLAB ON GRADE
SN	SHEAR NAIL
SPCG	SPACING
SPECS	SPECIFICATIONS
SPCL	SPECIAL
SQ	SQUARE
SS	SELECT STRUCTURAL
STAGG	STAGGERED
STD	STANDARD
STIFF	STIFFENERS
STL	STEEL
STRUCT	STRUCTURAL
STRUCT I	STRUCTURAL I
SW	SHEAR WALL
SYM	SYMMETRICAL
TB	TIE BEAM
TEMP	TEMPERATURE; TEMPORARY
THK	THICKNESS/THICK
THRU	THROUGH
T.O.	TOP OF
TOC	TOP ON CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TSG	TAPERED STEEL GRIDER
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
UT	ULTRA-SONIC TEST
VERT	VERTICAL
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORK POINT; WATERPROOF
WT	WEIGHT; STRUCTURAL TEE SHAPE
WWF	WELDED WIRE FABRIC

STRUCTURAL STEEL SHAPES

WF	W SHAPE
C	AMERICAN STD CHANNEL SHAPE
MC	MISC CHANNEL SHAPE
L	ANGLE SHAPE
WT, ST, MT	STRUCTURAL TEE SHAPE
PIPE	STANDARD PIPE SHAPE
PIPE - X	EXTRA STRONG PIPE SHAPE
PIPE - XX	DBL EXTRA STRONG PIPE SHAPE
HSS	STRUCT TUBING SHAPE

SYMBOLS

SECTION REFERENCE BUBBLE

DETAIL REFERENCE BUBBLE WITH ARROW

DETAIL REFERENCE BUBBLE

FULL HEIGHT SECTION INDICATOR

BUILDING SECTION INDICATOR

ELEVATION OF WALL OR FRAME

NORTH ARROW

SLOPE

EARTH LAYER

STEPPED SURFACE; FLOOR DEPRESSION

SLOPED SURFACE

INDICATES SAND OR GROUT

INDICATES GRAVEL

TOP OF SLAB ELEVATION

WELDED WIRE FABRIC (WWF LAYER)

FOOTING TYPE

INDICATES MASONRY WALLS

STEEL TUBE COLUMN

STEEL PIPE COLUMN

WIDE FLANGE STEEL COLUMN

MEMBER SPLICE

(+3")

TOP OF STEEL + ELEVATION

[X]

NUMBER OF EVENLY SPACED SHEAR STUDS

[X -Y-Z]

SPECIAL STUD SPACING SEE TYPICAL STEEL DETAILS

<3/4>

BEAM CAMBER AT MID-SPAN

STEEL IN CROSS SECTION

DIRECTION OF SPAN

BEAM LATERAL BRACE

STEPPED FOOTING

SHEET INDEX - PHASE 1A

Sheet Number	Sheet Name
S000-1A	ABBREVIATIONS, LEGENDS AND SHEET INDEX
S001-1A	GENERAL STRUCTURAL NOTES
S002-1A	GENERAL STRUCTURAL NOTES
S003-1A	TESTING, INSPECTION, AND OBSERVATION
S004-1A	TESTING, INSPECTION, AND OBSERVATION
SD111-1A	GROUND LEVEL - DEMO PLAN
SD121-1A	PARKING LEVEL 1 - DEMO PLAN
SD131-1A	PARKING LEVEL 2 - DEMO PLAN
SD141-1A	PARKING LEVEL 3 - DEMO PLAN
SD151-1A	ENLARGED PLANS - PLAZA - DEMO PLAN
SD161-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION - DEMO
SD162-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION - DEMO
S111-1A	GROUND LEVEL - PLAN
S121-1A	PARKING LEVEL 1 - PLAN
S131-1A	PARKING LEVEL 2 - PLAN
S141-1A	PARKING LEVEL 3 - PLAN
S151-1A	ENLARGED PLANS - PLAZA
S161-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION
S162-1A	ENLARGED PLANS - VERTICAL TRANSPORTATION
S401-1A	CONCRETE TYPICAL DETAILS
S402-1A	CONCRETE TYPICAL DETAILS
S501-1A	CONCRETE TYPICAL DETAILS
S502-1A	CONCRETE TYPICAL DETAILS
S510-1A	CONCRETE BEAM DETAILS
S511-1A	CONCRETE BEAM DETAILS
S512-1A	CONCRETE BEAM DETAILS
S520-1A	CONCRETE STAIR DETAILS
S601-1A	STEEL TYPICAL DETAILS
S620-1A	ELEVATOR DETAILS
S650-1A	TYPICAL STEEL DECK DETAILS
S701-1A	PARTIAL PLANS
S702-1A	OLIVE ST. ELEVATIONS - PLANS & SECTIONS
S703-1A	OLIVE ST. ELEVATIONS - PLANS & SECTIONS

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OFFICIAL RECORD

REGISTERED PROFESSIONAL ENGINEER
MARK K. HERSHBERG
No. 5078
CIVIL
STATE OF CALIFORNIA

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
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Los Angeles, CA 90017
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ABBREVIATIONS, LEGENDS AND SHEET INDEX

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
530 S OLIVE ST.
LOS ANGELES, CA 90013

ADDRESS:

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S000-1A

SHEET OF SHEETS

PLOTTED: 11/5/2021 2:44:47 PM

REVISION DATE: 11/5/2021 2:44:47 PM

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CONTRACTOR & SUB-CONTRACTOR DELEGATED DESIGN ITEMS

SEE ARCH DWGS FOR A COMPLETE LIST IDENTIFYING ALL SYSTEMS REQUIRING DESIGN BY THE CONTRACTOR OR THEIR SUB-CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, ANCHORAGE AND INSTALLATION OF THE FOLLOWING LIST OF ITEMS NOT DESIGNED BY KPFF CONSULTING ENGINEERS.THE CONTRACTOR SHALL SUBMIT DRAWINGS AND STRUCTURAL CALCULATIONS SIGNED BY AND BEARING THE SEAL OF A REGISTERED STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA FOR REVIEW BY THE ARCHITECT AND KPFF CONSULTING ENGINEERS. AFTER A REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT BY THE ARCHITECT AND KPFF CONSULTING ENGINEERS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED SUBMITTAL AND APPROVALS BY THE COUNTY (SEE ARCH DWGS FOR LIST OF CONTRACTOR DELEGATED DESIGN ITEMS). PRE-APPROVED STANDARD DETAILS MAY BE USED PROVIDED THEY ARE AN ACCEPTABLE APPROVED STANDARD BY THE COUNTY AND APPLICABLE CODE FOR THIS PROJECT.

THE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW AND APPROVE THEM, AND FORWARD THEM TO BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. PROVIDE AMPLE TIME FOR THE THE BUILDING OFFICIAL TO REVIEW THE DOCUMENTS.

1. UTILITY DISTRIBUTION SYSTEM ANCHORAGE & SEISMIC BRACING
2. FIRE ALARM / FIRE SPRINKLERS
3. ELEVATOR ENCLOSURE GLASS WALLS
4. ELEVATOR

   THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, ANCHORAGE, AND INSTALLATION OF THE FOLLOWING LIST OF ITEMS NOT DESIGNED BY KPFF CONSULTING ENGINEERS. THESE ITEMS MUST BE SUPPORTED AND ANCHORED TO RESIST THE FORCES PRESCRIBED BY CHAPTER 13 OF ASCE 7-16 AND THE CITY AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

A. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.
B. EQUIPMENT WEIGHINH LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.
C. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE DESIGN OF THESE ELEMENTS SHALL COMPLY WITH THE GOVERNING CODE FOR THIS PROJECT AND ALL PROJECT SPECIFICATIONS AND CRITERIA INDICATED ON THE CONSTRUCTION DOCUMENTS. ADDITIONAL SUPPORT FRAMING, BRACING, STIFFENER PLATES, AND/OR OTHER STABILIZING ELEMENTS SHALL BE PROVIDED AT CONNECTIONS TO THE MAIN STRUCTURE TO PREVENT ECCENTRIC LOADING, TWISTING, WARPING, ROTATION, AND/OR TORSION OF THE MAIN STRUCTURAL MEMBERS. THE DESIGN OF THESE ELEMENTS SHALL MAKE PROVISIONS FOR ACCOMODATING THE APPROPRIATE SEISMIC/WIND FORCES AND DISPACEMENTS AS WELL AS FLOOR DEFLECTIONS DUE TO GRAVITY LOADS OF THE MAIN STRUCTURE.

VERTICAL SUPPORT AND SEISMIC RESTRAINT OF UTILITY DISTRIBUTION SYSTEMS

THE CONTRACTOR SHALL BE RESONSIBLE FOR THE DESIGN AND CONSTRUCTION OF COMPLETE VERTICAL GRAVITY SUPPORT, SEISMIC RESTRAINT, AND ANCHORAGE TO THE BUILDING FRAME FOR ALL UTILITY DISTRIBUTION AND EQUIPMENT SYSTEMS, INCLUDING BUT NOT LIMITED TO, MECHANICAL DUCTWORK AND PIPING, ELECTRICAL CONDUIT, PLUMBING LINES, COMMUNICATION/INFORMATION TECHNOLOGY UTILITIES, AND SPRINKLER SYSTEMS. DESIGN SHALL BE CERTIFIED BY A CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA, AND COMPLETED IN CONFORMANCE WITH REQUIREMENTS INDICATED IN THE PROJECT SPECIFICATIONS, MEP DRAWINGS, AND THE CODE, UTILIZING THE SEISMIC PARAMETERS AND COEFFICIENTS INDICATED ON THESE DRAWINGS AND AND SPECIFIED IN ASCE 7-16, CH. 13.

SPACING AND DETAILS OF THE SUPPORT AND BRACING OF FIRE SPRINKLER PIPING SHALL COMPLY WITH THE GOVERNING EDITION OF NFPA 13 AND CHAPTER 13 OF ASCE 7-16 AS MODIFIED BY THE CBC 2019.
DESIGN LOADS FOR THE DESIGN OF THE SWAY BRACING AND ANCHORAGES SHALL BE COMPUTED PER SECTION 13.6.8.2 OF ASCE 7-16.

BRACING AND ANCHORAGE DESIGN MAY BE REFERRED TO A PRE-APPROVED ANCHORAGE SYSTEM AND THE CONTRACTOR SHALL PROVIDE ENGINEERING DOCUMENTATION, INCLUDING INSTALLATION GUIDES/MANUALS FOR THE SELECTED PRE-APPROVED SYSTEM, TO THE ARCHITECT AND OWNERS REPRESENTATIVE.

POST-INTALLED CONCRETE ANCHOR TYPES AND INSTALLATION REQUIREMENTS SHALL BE AS SPECIFIED ON THESE DRAWINGS.

EQUIPMENT ANCHORAGE

ANCHORAGE OF ALL EQUIPMENT TO BE INSTALLED AS A PART OF THIS PROJECT SHALL BE DETAILED OR INDICATED ON THESE DRAWINGS IN CONFORMANCE WITH ASCE 7-16, EXCEPT FOR THE FOLLOWING:

1. MECHANICAL AND ELECTRICAL COMPONENTS THAT DO NOT CONTAIN HAZARDOUS MATERIALS AND ARE NOT REQUIRED TO FUNCTION FOR LIFE-SAFETY PURPOSES AFTER AN EARTHQUAKE (INCLUDING FIRE PROTECTION SPRINKLER SYSTEMS) WHERE BOTH OF THE FOLLOWING CONDITIONS APPLY:
   A. FLEXIBLE CONNECTIONS BETWEEN THE COMPONENTS AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT ARE PROVIDED, AND
   B. COMPONENTS ARE MOUNTED AT 4'-0" OR LESS ABOVE A FLOOR LEVEL AND WEIGH 400 LBS OR LESS.
2. MECHANICAL AND ELECTRICAL COMPONENTS THAT DO NOT CONTAIN HAZARDOUS MATERIALS AND ARE NOT REQUIRED TO FUNCTION FOR LIFE-SAFETY PURPOSES AFTER AN EARTHQUAKE (INCLUDING FIRE PROTECTION SPRINKLER SYSTEMS) WHERE BOTH OF THE FOLLOWING CONDITION APPLY:
   A. FLEXIBLE CONNECTIONS BETWEEN THE COMPONENTS AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT ARE PROVIDED, AND
   B. COMPONENTS WEIGH 20 LBS OR LESS OR, FOR DISTRIBUTION SYSTEMS, WEIGHING 5 LB/FT OR LESS.
3. COMPONENTS WEIGHING 20 LBS OR LESS SUPPORTED BY VIBRATION ISOLATORS.
4. FURNITURE (EXCEPT AS NOTES IN TABLE 13.5-1 OF ASCE 7-16)
5. TEMPORARY OR MOVABLE EQUIPMENT (EXCEPT AS NOTED IN TABLE 13.5-1 OF ASCE 7-16)
6. ARCHITECTURAL EQUIPMENT NOT DEFINED BY ASCE 7-10, SECTION 13.5 & TABLE 13.5-1 SHALL BE CONSIDERED MECHANICAL OR ELECTRICAL COMPONENTS AND HAVE THE SAME REQUIREMENTS AS THOSE SYSTEMS UNLESS THEY MEET EXEMPTIONS 1 THRU 5 ABOVE. ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS, SUPPORTS AND ATTACHMENTS SHALL MEET THE REQUIREMENTS OF ASCE 7-16 SECTION 13.2 PRIOR TO INSTALLATION.

CONTRACTOR SHALL VERIFY THAT ACTUAL PROCURED EQUIPMENT SPECIFICATIONS CONFORM TO ANCHORAGE DETAILS (WEIGHT, SIZE, ANCHOR LOCATIONS, ETC.) SHOWN ON THESE DRAWINGS. OTHERWISE, ARCHITECT AND OWNER'S REPRESENTATIVE SHALL BE NOTIFIED BY CONTRACTOR PRIOR TO FABRICATION OR INSTALLATION, AND NEW SPECIFICATIONS PROVIDED BY CONTRACTOR FOR ARCHITECT'S AND ENGINEER'S REVIEW & APPROVAL.

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19 OF THE CODE AND WITH THE PROVISIONS OF ACI 318-14.
2. REINFORCED CONCRETE IS DESIGNED BY THE "ULTIMATE STRENGTH DESIGN METHOD".
3. CONCRETE MIXES SHALL BE DESIGNED BY THE APPROVED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER. THE COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE PROPORTIONED BASED ON SECTION 1905 OF THE CODE.
4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES:

LOCATION IN STRUCTURE	STRENGTH (PSI)	DRY DENSITY (PCF)	WATER/CEMENT RATIO
TYPICAL EXISTING CONCRETE	3000	150	
ALL NEW CONCRETE, UNO	4000	150	
LIGHTWEIGHT CONCRETE FILL OVER DECK	3000	112	0.45

5. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II.
6. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C-33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
7. CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C-94.
8. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
9. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS. SEE THESE DRAWINGS FOR ADDITIONAL RESTRICTIONS ON THE PLACEMENT OF OPENINGS IN SLABS AND WALLS.
10. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL NORMAL WT CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY STRUCTURAL ENGINEER. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS, SPACE EMBEDDED PIPES AND SLEEVES AT A MINIMUM OF 3 DIAMETERS. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECK.

REINFORCING STEEL (FOR CONCRETE AND MASONRY)

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19 OF THE CODE, ASTM A615, GRADE 60 UNO.
2. BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
3. REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. MINIMUM SPLICE LENGTH FOR REINFORCING STEEL BARS IN MASONRY SHALL BE 40 BAR DIAMETERS, 24" MINIMUM. MINIMUM SPLICE LENGTH FOR REINFORCING STEEL BARS IN CONCRETE SHALL BE AS PER THE CODE SECTION 1912. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE ON PLANS.
4. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
5. WHERE WELDING OF REINFORCING IS APPROVED BY THE STRUCTURAL ENGINEER, IT SHALL BE DONE BY AWS CERTIFIED WELDERS USING E90XX OR APPROVED ELECTRODES. WELDING PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF STRUCTURAL WELDING CODE- REINFORCING STEEL", AWS-D1.4, LATEST REVISION. REINFORCING BARS TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-706.
6. BARS IN SLABS SHALL BE SECURELY SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, PRIOR TO PLACING CONCRETE.
7. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.
8. MILL TEST REPORTS FOR GRADE 60 BARS SHALL BE SUBMITTED PRIOR TO PLACEMENT OF CONCRETE.
9. CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL. INSPECTION SHALL BE SCHEDULED SO THAT PLACEMENT OF REINFORCING STEEL, CONDUIT, SLEEVES, AND EMBEDDED ITEMS MAY BE CORRECTED PRIOR TO PLACEMENT OF OVERLYING GRIDS OR REINFORCING STEEL.
10. ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINFORCING STEEL IF CONCURRENTLY ON SITE.
11. CONCRETE PROTECTION FOR REINFORCEMENT

	MINIMUM COVER
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER:	
NO. 6 THROUGH NO. 18 BAR	2"
NO. 5 BAR, W31 OR D31 WIRE AND SMALLER	1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
NO. 14 AND NO. 18 BAR	1 1/2"
NO. 11 BAR & SMALLER	3/4"

DESIGN LOADS

1. LIVE LOADS:
   40 PSF — TYPICAL GARAGE (NOT REDUCIBLE)
   100 PSF — GROUND LEVEL & STAIRS (NON REDUCIBLE)
2. DEAD LOADS (SUPERIMPOSED MISC):
   10 PSF — TYPICAL
   400 PSF — GROUND LEVEL
3. EARTHQUAKE DESIGN DATA:
   - MAPPED ACCELERATION PARAMETERS PER 2019 CBC VOL 2 & ASCE 7-16:
     $S_s = 1.964$
     $S_1 = 0.699$
     $F_a = 1.2$
     $F_v = 1.7$
     $S_{MS} = F_a \times S_S = 2.357$
     $S_{M1} = F_V \times S_1 = 1.189$
     $S_{DS} = 2/3 \times S_{MS} = 1.571$
     $S_{D1} = 2/3 \times S_{M1} = 0.793$
   - RISK CATEGORY = III
   - SITE CLASS = D
   - SEISMIC DESIGN CATEGORY = D
   - SEISMIC IMPORTANCE FACTOR, I = 1.0
4. ELEVATOR EARTHQUAKE DESIGN DATA:
   - BASE SEISMIC-FORCE RESISTING SYSTEM: ORDINARY COCENTRICALLY CABLE BRACE FRAME (TENSION ONLY)
   - BASE SHEAR: V=14 KIPS (BOTH DIRECTIONS)
   - SEISMIC RESPONSE COEFFICIENT : Cs=.605
   - RESPONSE MODIFICATION FACTOR: R=3.25 Ω=2 Cd=3.25
   - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE IN ACCORDANCE WITH ASCE 7 SECTION 12.8
   - REDUNDANCY FACTOR: RHO=1.3
5. FLOOD DESIGN DATA:
   - THE PROJECT IS NOT LOCATED WITHIN A FLOOD HAZARD AREA.
6. NON-STRUCTURAL COMPONENT ANCHORAGE CRITERIA (Fp)

   INERTIAL FORCES FOR DESIGN OF NON-STRUCTURAL COMPONENTS AND ANCHORAGE IS ESTABLISHED PER ASCE 7-16 CHAPTER 13.

   F_p CALCULATIONS MAY BE CALCULATED BASED ON THE FOLLOWING:

   $F_p = \frac{0.4 S_{DS} a_p W_p}{(R_p / I_p)} (1+2Z/h)$ (ASCE7-16 (13.3-1))

   $F_{p\,min} = 0.3\, S_{DS}\, I_p\, W_p$ (ASCE 7-16 (13.3-3))
   $F_{p\,max} = 1.6\, S_{DS}\, I\, W_p$ (ASCE 7-16 (13.3-2))

   a_p = COMPONENT AMPLIFICATION FACTOR PER ASCE 7-16 TABLE 13.5-1 & 13.6-1 OR BASED ON FUNDAMENTAL PERIOD DETERMINED BY ANALYSIS OR SHAKE TABLE TESTING

   W = WEIGHT OF COMPONENT
   I_p = 1.0
   R = COMPONENT RESPONSE MODIFICATION FACTOR PER ASCE 7-16 TABLES 13.5-1 & 13.6-1
   Z/h = COMPONENT HEIGHT RELATIVE TO OVERALL BUILDING HEIGHT

FOUNDATION

1. FOUNDATION DESIGN BASED ON GEOTECHNICAL INVESTIGATION REPORT BY WILLDAN GEOTECHNICAL DATED DECEMBER 4, 2017, REFERED TO HERE AS THE "SOILS REPORT". SEE THE SOILS REPORT FOR ADDITIONAL REQUIREMENTS.
2. FOOTINGS ARE DESIGNED BASED ON THE FOLLOWING INFORMATION: ALLOWABLE BEARING:
   10,000 PSF — (DEAD LOADS PLUS LIVE LOADS)
   13,333 PSF — (INCLUDING WIND OR SEISMIC)

MASONRY

1. ALL MASONRY CONSTRUCTION SHALL CONFORM WITH CHAPTER 21 OF THE CODE AND THE PROVISIONS OF TMS 602/ACI 530.1/ASCE 6, "SPECIFICATION FOR MASONRY STRUCTURES"
2. CONCRETE BLOCK SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFIRMING TO ASTM C-90, MEDIUM WEIGHT UNITS. CONCRETE MANSORY UNITS SHALL MEET THE FOLLOWING REQUIREMENTS:
   A. PROVIDE STRUCTURAL UNIT MASONRY THAT DEVELOPS SPECIFIED NET-AREA COMPRESSIVE STRENGTH OF MASONRY, f'm AT 28 DAYS.
3. VERIFY NET-AREA COMPRESSIVE STRENGTH OF MASONRY FROM AVERAGE NET-AREA COMPRESSIVE STRENGTHS OF MASONRY UNITS AND MORTAR TYPE (UNIT STRENGTH METHOD) AS FOLLOWS:

SPECIFIED MASONRY NET-AREA COMPRESSIVE STRENGTH, f'm	CMU NET-AREA COMPRESSIVE STRENGTH	GROUT STRENGTH	MORTAR TYPE
2,000 PSI	2,000 PSI	2,000 PSI	S

1. 3. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE. MASONRY CEMENT SHALL NOT BE USED.
2. 4. REINFORCING BARS: SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.
3. 5. ALL CELLS SHALL BE GROUTED SOLID, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. 6. USE RUNNING BOND PATTERN UNLESS NOTED OTHERWISE BY THE ARCHITECT. USE UNITS WITH OPEN ENDS WHERE STACK BOND PATTERN IS SPECIFIED.
5. 7. ADMIXTURES SHALL NOT BE USED IN GROUT EXCEPT BY SPECIFIC CONSENT OF ARCHITECT.
6. 8. PROVIDE A MINIMUM OF 1/2" CLEAR BETWEEN MAIN REINFORCING AND MASONRY UNITS.
7. 9. EMBEDDED ITEMS IN CMU: DO NOT EMBED PIPES IN CMU EXCEPT WHERE SPECIFICALLY DETAILED. VERTICAL CONDUITS MAY BE EMBEDDED IF THE FOLLOWING CONDITIONS ARE MET:
   A. CONDUITS ARE < 3/4" IN DIAMETER.
   B. CONDUITS ARE NOT PLACED IN A CELL WITH REINFORCEMENT.
   C. CONDUITS ARE A MINIMUM OF 24" FROM JAMB/END REINFORCEMENT.
   D. CELLS WITH CONDUITS ARE SPACED 32" OC MIN.
   (2) MAX PER UNREINFORCED CELL, 3 DIAMETERS (MIN) O.C.
10. PROVIDE 1" GROUT OR 1/2" MORTAR AROUND REINFORCING STEEL, ANCHOR BOLTS, INSERTS, ETC PENETRATING MASONRY SHELL.
11. MECHANICALLY VIBRATE GROUT IN CELLS.
12. HIGH LIFT GROUTING SHALL CONFORM TO ALL CODE REQUIREMENTS. HIGH LIFT GROUTING IS NOT PERMITTED FOR CONGESTED CONDITIONS.

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS.THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ACHITECT PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERALNOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:

   2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. AND LATEST REVISIONS REFERED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE CITY OF LOS ANGELES, THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
5. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:

   SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED

   SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS.

   SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGE IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.

   SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN.

   FLOOR AND ROOF FINISHES.

   DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:

   PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.

   ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.

   CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.

   SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT NCLUDE INSPECTION OF THE ABOVE ITEMS.
8. OPENINGS, POCKETS, ETC., LARGER THAN 6" OR SMALLER DIAMETER (PIPE) SPACED ADJACENT TO EACH OTHER FOR A DIMENSION GREATER THAN 12" DIA, SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, WALLS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS. FOR ANY FURTHER RESTRICTIONS ON OPENINGS IN IN STRUCTURAL ELEMENTS, SEE APPLICABLE SECTIONS BELOW.
9. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
10. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
11. THE CONTRACT STRUCTURAL DRAWINGS SHOW THE BUILDING IN ITS FINAL INTENDED POSITION. CONTRACTOR SHALL MAKE PROVISIONS IN THE LAYOUT OF THE BUILDING TO TAKE INTO ACCOUNTS SHRIKAGE, CREEP, SHORTENING, ETC.,
12. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE PLACED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED.
13. A COPY OF LOS ANGELES RESEARCH REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.

REGISTERED PROFESSIONAL ENGINEER — MARK A. HERSHBERG — No. 5078 — STRUCTURAL — STATE OF CALIFORNIA

BUREAU OF ENGINEERING — OFFICIAL RECORD

GRUENASSOCIATES — ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence ter — PAYSAGISTES URBANISTES

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ENGINEERING — CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

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GARY LEE MOORE, PE, ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — DATE: 12/16/2021
ARCHITECT: DEBRA GEROD — LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GENERAL STRUCTURAL NOTES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. S001-1A
SHEET OF SHEETS

PLOTTED: 11/5/2021 2:44:49 PM

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BY AN LADBS APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (LATEST EDITION), AND WITH CHAPTER 22 OF THE CODE.

2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

   WF SHAPES:

WF SHAPES	A992 GRADE 50
PLATES (AS NOTED ON DRAWINGS)	A36
PIPE COLUMNS	A53, GRADE B
HSS (TUBE) SECTIONS	A500, GRADE B
BOLTS (AS NOTED ON DRAWINGS)	A307, A325-N, A325-SC, A490-SC
ANCHOR RODS / BOLTS IN CONCRETE/MASONRY	F1554, GR 36 (UNO)
ANGLES, CHANNELS, WT SHAPES	A36

3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS TO THE ARCHITECT OF ALL STEEL FOR ARCHITECTS AND STRUCTURAL ENGINEERS REVIEW AND APPROVAL BEFORE FABRICATION.

4. BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.

5. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, OR MASONRY, SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED.

6. ALL WELDING IS TO BE DONE BY AN LADBS CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1 LATEST REVISION) OF THE AMERICAN WELDING SOCIETY. SEE SPECIAL INSPECTIONS SECTION FOR WELDING INSPECTION REQUIREMENTS.

7. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION 9TH EDITION, SECTION 1.17.2.

8. ALL EXPOSED STRUCTURAL STEEL AND MISCELLANEOUS METAL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. UNLESS WEATHER PROTECTED IN ANOTHER FASHION AS NOTED ON PLANS.

9. THE USE OF E70T-4 WELDING WIRE IS NOT PERMITTED.

10. ALL WELD FILLER MATERIAL SPECIFIED AS "NOTCH TOUGH" SHALL HAVE A MINIMUM CHARPY-V NOTCH (CVN) VALUE OF 20 FT-LBS AT A TEMPERATURE OF -20° F.

11. 100% UT TEST ARE MANDATORY FOR ALL COMPLETE PENETRATION GROOVE WELDS.

12. THE SEISMIC DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE ACCORDANCE WITH PART I (LRFD) AND PART III (ASD) OF AISC 341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, LATEST REVISION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). THESE PROVISIONS SHALL BE APPLIED IN CONJUNCTION WITH CHAPTER 22 OF THE CODE.

13. DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR ARC GOUGING AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.

14. REFERENCE THE "AISC CODE OF STANDARD PRACTICE".

15. REFER TO ARCHITECTURAL FOR ORNAMENTAL STEEL.
    FOR ARCHITECTURAL EXPOSED STRUCTURAL STEEL (AESS) SPECIFIED ON THE DRAWINGS,

16. WELDING MAY BE PERFORMED IN SHOP OR IN FIELD PROVIDED THE APPROPRIATE TESTING & INSPECTION ARE PERFORMED. SHOP WELDS OR FIELD WELDS SHOWN ON DRAWINGS ONLY INDICATES THE ANTICIPATED WELD METHOD.

17. THE USE OF ROLLED STEEL SECTIONS AND/OR BOLTS MANUFACTURED OUTSIDE THE UNITED STATES WILL REQUIRE A VERIFICATION THAT THE PRODUCTS COMPLY WITH APPLICABLE ASTM STANDARDS. MILL CERTIFICATES WILL BE REQUIRED FOR ALL STEEL. STEEL GRADES OTHER THAN ASTM-A36 WILL REQUIRE TESTING BY AN APPROVED LABORATORY.

18. THE SEISMIC DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CHAPTERS A TO F OF THE SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. (AISC 341-10)

19. WELDED JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER J OF THE SPECIFICATION AND A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.8/D1.8M AND APPROVED BY THE ENGINEER OF RECORD. "PROVIDE WELDING PROCEDURE SPECIFICATION" ON PLANS.

20. ALL COMPLETE-JOINT-PENETRATION GROOVE WELDS USED IN THE SEISMIC FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT MINUS 20° F AND 40 FT-LBS AT 70° F.

21. DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.

22. ALL BOLTS USED AS A PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE FULLY TENSIONED HIGH STRENGTH BOLTS.

23. THE SPECIFICATION AND FABRICATION FOR STEEL FRAMES SHALL COMPLY WITH ATTACHED WELDING AND FABRICATION PROCEDURES.

TESTING CRITERIA FOR ANCHORS INSTALLED IN CONCRETE / CMU

1. CONDUCT TESTING OF POST- INSTALLED ANCHORS PER SECTION 1909.2.7 OF THE CODE.
2. WHERE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OR APPLICABLE ICC-ES EVALUATION SERVICES REPORT CALL FOR THE APPLICATION OF AN INSTALLATION TORQUE, THE SPECIFIED TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH. THE SPECIFIED INSTALLATION TORQUE SHALL NOT BE EXCEEDED.
3. THE SPECIAL INSPECTOR SHALL BE ON THE JOBSITE AS REQUIRED IN THE APPLICABLE ICC-ES REPORT AND SHALL VERIFY ALL ITEMS IDENTIFIED IN THE ICC-ES REPORT.
4. TEST LOAD: REQUIRED TEST LOADS SHALL BE DETERMINED BY ONE OF THE FOLLOWING METHODS:
   A. TWICE THE MAXIMUM ALLOWABLE TENSION LOAD OR ONE AND A QUARTER (1 1/4) TIMES THE MAXIMUM DESIGN STRENGTH PROVIDED BY THE ICC REPORT OR DETERMINED PER ACI 318. THE TENSION TEST LOAD NEED NOT TO EXCEED 80 PERCENT OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR (0.8 As Fy). SEE TABLE BELOW FOR REQUIRED TEST LOAD.
   B. THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE AS APPROVED BY THE ICC REPORT.
5. TENSION OR TORQUE TESTING OF POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE IOR AND ENFORCEMENT AGENCY.
6. THE SPECIAL INSPECTOR SHALL SELECT ANCHORS FOR TESTING AT RANDOM.
7. TEST FREQUENCY:

APPLICATION	QUANTITY
BOTT OF WALL (SILL PLATE) ANCHORAGE AT FULL-HEIGHT WALLS	10% OF ANCHORS
TOP OF WALL ANCHORAGE AT FULL-HEIGHT WALLS WHERE IDENTIFIED ON DRAWINGS (WHEN TENSION LOAD IS LESS THAN 100 POUNDS PER CBC 1913.7.3)	10% OF ANCHORS
ALL OTHER CONDITIONS. (CBC 1913.7.3)	50%; ALTERNATING ANCHORS IN A GROUP (TEST AT LEAST HALF OF THE ANCHORS IN GROUP)

NOTE:

TESTING IS NOT REQUIRED FOR POWER ACTUATED FASTENERS USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY, WHERE THERE ARE AT LEAST THREE FASTENERS PER SEGMENT OF TRACK. (CBC 1913.7.3 EXCEPTION #5) FOR POWER ACTUATED FASTENERS USED AT INTERIOR CONDITIONS OTHER THAN PARTITION TRACKS, 10% SHALL BE TESTED TO 180 POUNDS.

8. TEST METHOD: TEST LOADS MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY TRANSMIT A MEASURABLE TENSION LOAD TO THE ANCHOR. ACCEPTABLE METHODS INCLUDE:
   A. USE OF HYDRAULIC JACK, WHEREBY EITHER UNCONFINED OR CONFINED TESTING SHALL BE ACCEPTABLE;
   B. USE OF CALIBRATED SPRING LOADED DEVICES; OR
   C. USE OF A CALIBRATED TORQUE WRENCH FOR TORQUE-CONTROLLED EXPANSION ANCHORS.
9. TEST ACCEPTANCE CRITERIA: ACCEPTANCE CRITERIA FOR POST-INSTALLED ANCHORS SHALL BE BASED ON THE ICC REPORT OR MANUFACTURER'S WRITTEN INSTRUCTION AS ACCEPTABLE TO THE COUNTY. FIELD TEST SHALL SATISFY THE FOLLOWING MINIMUM REQUIREMENTS:
   A. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST, E.G. AS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT. SCREW ANCHORS MAY BE LOOSENED A MAXIMUM ONE FULL TURN TO FACILITATE THE POSITIONING OF A TENSION TEST COLLAR.
   B. TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN HALF (1/2) TURN OF THE NUT.

   EXCEPTIONS:

   - WEDGE OR SLEEVE TYPE: ONE-QUARTER (1/4) TURN OF THE NUT FOR A 3/8 INCH ANCHOR ONLY.

10. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, AND NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TEST FREQUENCY.
11. REQUIRED TORQUE TEST LOADS SHALL BE EQUAL TO THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE PROVIDED IN THE ICC-ESR FOR THE SPECIFIC ANCHOR. TEST TORQUE VALUES ARE SUMMARIZED IN THE TABLE BELOW:

NOMINAL ANCHOR DIAMETER		INSTALLATION TORQUE (FT-LBS)	
INCHES	METRIC	HILTI KWIK-BOLT TZ (ICC ES ESR-1917)	POWERS POWER STUD+ SD1 (ICC ES ESR-2818)
1/4	M6	-	4
3/8	M10	25	20
1/2	M12	40	40
5/8	M16	60	80
3/4	M20	110	110

POST-INSTALLED ANCHORS IN CONCRETE AND STEEL

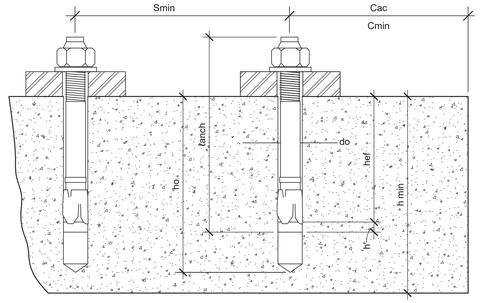
1. POST-INSTALLED ANCHOR CAPACITIES SHALL BE DETERMINED PER SECTION 1909 OF THE CODE USING STRENGTH DESIGN.
2. INSTALLATION OF POST-INSTALLED ANCHORS SHALL BE IN ACCORDANCE WITH THE APPLICABLE ICC EVALUATION REPORT.

SUBSTRATE MATERIAL	ANCHOR TYPE	ANCHOR PRODUCT	EVALUATION REPORT*
CONCRETE	EXPANSION ANCHORS	HILTI KWIK-BOLT TZ	LARR-25701
CONCRETE	ADHESIVE ANCHORS	HILTI HIT- RE 500 V3	LARR-26028
CONCRETE	ADHESIVE ANCHORS	HILTI HIT- HY 200	LARR-23709
CONCRETE	UNDERCUT ANCHOR	HILTI HDA	LARR-25939
CONCRETE	POWDER ACTUATED FASTENER	HILTI X-U	LARR-25675
CONCRETE	SCREW ANCHOR	HILTI HUS-EZ	LARR-25897

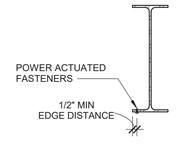
* 1/4" Ø POWERS POWER - STUD + SD1 IS NOT ALLOWED ON THIS PROJECT.

3. EXPANSION ANCHOR EMBEDMENTS IN THE DRAWINGS ARE MINIMUM "EFFECTIVE EMBEDMENTS" (hef) AS SHOWN IN THE ICC REPORT CORRESPONDING TO THE ANCHOR.

hef	=	EFFECTIVE EMBEDMENT DEPTH OF ANCHOR
hmin	=	MINIMUM SUBSTRATE THICKNESS INTO WHICH ANCHOR IS EMBEDDED
Cac	=	CRITICAL SUBSTRATE EDGE DISTANCE
Cmin	=	MINIMUM EDGE DISTANCE
Smin	=	MINIMUM SPACING
ho	=	MINIMUM HOLE DEPTH
ℓanch	=	ANCHOR LENGTH
h'	=	PROJECTION OF ANCHOR BEYOND EFFECTIVE EMBEDMENT DEPTH
do	=	DIAMETER OF ANCHOR (EQUAL TO THREAD SIZE OF ANCHOR)



4. INSTALATION REQUIREMENTS FOR POST-INSTALLED ANCHORS INTO STRUCTURAL STEEL. SHOTPIN LENGTH IN STEEL SHALL BE AS REQUIRED IN THE ICC REPORT BASED ON THE STEEL THICKNESS.



STEEL BEAM

BUREAU OF ENGINEERING
OFFICIAL RECORD

REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
No. 5078
STATE OF CALIFORNIA

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agencyter
PAYSAGISTES URBANISTES

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ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. MF-300492

NO. | REVISIONS: | DATE: | BY:

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GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 12/16/2021
ARCHITECTURAL DIVISION — LIC. NO. C23665 — DATE: 11/08/201
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GENERAL STRUCTURAL NOTES

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S002-1A

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TABLE 1 (CONT.) - REQUIRED SPECIAL INSPECTIONS				
SYSTEM OR MATERIAL	INSPECTION			REMARKS
	INSPECTION TYPE	CODE REFERENCE	REFERENCED STANDARDS	
STEEL				
INSPECTION TASKS PRIOR TO WELDING				
1. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	PERFORM	1705.2.1	AISC 360, TABLE N5.4-1 AISC 341, TABLE J6-1	
2. MANUFACTURER CERTIFICATION FOR WELDING CONSUMABLES AVAILABLE	PERFORM			
3. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE			
4. WELDER IDENTIFICATION SYSTEM	OBSERVE			
5. FIT-UP GROOVE WELDS (INCLUDING JOINT GEOMETRY)	OBSERVE			VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACK WELD QUALITY, BACKING TYPE AND FIT
6. CONFIGURATION AND FINISH OF ACCESS HOLE	OBSERVE			
7. FIT-UP OF FILLET WELDS	OBSERVE			VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND QUALITY OF TACK WELD
8. CHECK WELDING EQUIPMENT	OBSERVE			
INSPECTION TASKS DURING WELDING				
1. USE OF QUALIFIED WELDERS	OBSERVE	1705.2.1	AISC 360, TABLE N5.4-2 AISC 341, TABLE J6-2	
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE			VERIFY PACKAGING AND EXPOSURE CONTROL
3. NO WELDING OVER TACK WELDS	OBSERVE			
4. ENVIRONMENTAL CONDITIONS	OBSERVE			VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE
5. WELDING PROCEDURE SPECIFICATION (WPS) FOLLOWED	OBSERVE			VERIFY SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION (F, V, H, OH)
6. WELDING TECHNIQUES	OBSERVE			VERIFY INTERPASS AND FINAL CLEANING, PROFILE LIMITATIONS AND QUALITY OF EACH PASS
INSPECTION TASKS AFTER WELDING				
1. WELDS CLEANED	OBSERVE	1705.2.1	AISC 360, TABLE N5.4-3 AISC 341, TABLE J6-3	
2. SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM			
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM			VERIFY CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES AND SIZE, UNDERCUT, AND POROSITY. DOCUMENT FINDINGS IN REPORT.
4. ARC STRIKES	PERFORM			
5. K-AREA	PERFORM			VISUALLY INSPECT WEB IN K-AREA FOR CRACKS WITHIN 3" OF WELD WHERE WELDS ARE PROVIDED IN THE K-AREA.
6. BACKING REMOVED AND WELD TABS REMOVED WHERE REQUIRED	PERFORM			
7. PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS WHERE REQUIRED	PERFORM			
8. REPAIR ACTIVITIES	PERFORM			
9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM			
INSPECTION TASKS PRIOR TO BOLTING				
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM	1705.2.1	AISC 360, TABLE N5.6-1 AISC 341, TABLE J7-1	
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE			
3. PROPER FASTENER SELECTED FOR THE JOINT DETAIL.	OBSERVE			VERIFY GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE.
4. PROPER BOLTING PROCEDURE SELECTED FOR THE JOINT DETAIL	OBSERVE			
5. CONNECTING ELEMENTS MEET APPLICABLE REQUIREMENTS	OBSERVE			VERIFY FAYING SURFACE CONDITION AND HOLD PREPARATION
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLING PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.	OBSERVE			
7. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENT	OBSERVE			
INSPECTION TASKS DURING BOLTING				
1. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED	OBSERVE	1705.2.1	AISC 360, TABLE N5.6-2 AISC 341, TABLE J7-2	
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION.	OBSERVE			
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	OBSERVE			
4. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT FORWARD TOWARD THE FREE EDGES	OBSERVE			
INSPECTION TASKS AFTER BOLTING				
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	PERFORM		AISC 360, TABLE N5.6-3 AISC 341, TABLE J7-3	

SPECIAL INSPECTION NOTES:

1. OWNER WILL RETAIN A QUALIFIED, INDEPENDENT SPECIAL INSPECTION AGENCY TO PERFORM SPECIAL INSPECTIONS AND TESTS PER CHAPTER 17 OF THE CODE. REFER TO THE TABLES 1 AND 2 FOR TESTS AND INSPECTIONS THAT WILL BE PERFORMED.
2. THE SPECIAL INSPECTOR WILL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL NON-CONFORMING WORK WILL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS.
3. TESTING FREQUENCIES IDENTIFIED IN THE STATEMENT OF SPECIAL INSPECTION ARE DEFINED AS FOLLOWS:
   A. CONTINUOUS: THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
   B. PERIODIC: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
   C. OBSERVE: THE SPECIAL INSPECTOR WILL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
   D. PERFORM: THE SPECIAL INSPECTOR WILL PERFORM THESE TASKS FOR EACH ELEMENT.
   E. DOCUMENT: THE SPECIAL INSPECTOR WILL DOCUMENT IN A REPORT THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. CONTINUOUS SPECIAL INSPECTION BY A REGISTERED DEPUTY INSPECTOR IS REQUIRED FOR FIELD WELDING, POST-INSTALLED ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED TO RESIST SUSTAINED TENSION LOADS, SHOTCRETE PLACEMENT, CONCRETE STRENGTH f=c > 2500 PSI, SPRAYED-ON FIREPROOFING, ENGINEERED MASONRY, HIGH-LIFT GROUTING, HIGH LOAD DIAPHRAGMS AND SPECIAL MOMENT-RESISTING CONCRETE FRAMES, AND HELICAL PILE FOUNDATIONS.

SPECIAL INSPECTION FOR FABRICATED ITEMS:

1. SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP AS REQUIRED IN THE SPECIAL INSPECTION PROGRAM. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES AND SHALL REVIEW FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENT EXCEPT AS NOTED BELOW.
2. SPECIAL INSPECTIONS OF FABRICATED ITEMS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1 OF THE CODE.

DEFERRED SUBMITTALS:

1. SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SPECIFIED BY THE SYSTEMS ENGINEER AND INCLUDED WITH DEFERRED SUBMITTAL DOCUMENTS.

CONTRACTOR RESPONSIBILITY:

1. THE CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND/SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND/SEISMIC FORCE RESISTING COMPONENT LISTED IN TABLE 1 SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
   A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
   B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
   C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION INCLUDING THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS.
   D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

SPECIAL INSPECTIONS AND TESTING

TABLE 1 - REQUIRED SPECIAL INSPECTIONS				
SYSTEM OR MATERIAL	INSPECTION			REMARKS
	INSPECTION TYPE	CODE REFERENCE	REFERENCED STANDARDS	
SOILS				
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC	1705.6	GEOTECHNICAL REPORT	BY THE GEOTECHNICAL ENGINEER
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC			
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	PERIODIC			
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	CONTINUOUS			
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	PERIODIC			
CONCRETE				
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS AND VERIFY PLACEMENT	PERIODIC	1705.3 1908.4	ACI 318 CHAPTER 20, 25.2 - 25.3, 26.6.1 - 26.6.3	TOLERANCE AND REINFORCING PLACEMENT PER ACI 318, SECTION 26.6.2
2. REINFORCING BAR WELDING		1705.3	ACI 318 26.6.4 AWS D1.4, SECTION 7	VISUALLY INSPECT ALL WELDS. MATERIAL VERIFICATION OF REINFORCING STEEL FOR WELDING (CERTIFIED MILL TEST REPORTS). VERIFICATION OF WELD FILLER METALS, USE OF PROPER WPS'S AND WELDER QUALIFICATIONS
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	PERIODIC			
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	PERIODIC			
C. INSPECT ALL OTHER WELDS	CONTINUOUS			
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC		ACI 318 17.8.2	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.				INSPECTION REQUIREMENTS PER ICC EVALUATION REPORT. VERIFY THAT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION ARE INSTALLED BY CERTIFIED INSTALLERS.
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS		ACI 318 17.8.2.4	
B. MECHANICAL ANCHORS AND ADHESIVE NOT DEFINED IN 4A.	PERIODIC		ACI 318 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX	PERIODIC	1904.1, 1904.2, 1908.2, 1908.3	ACI 318 CH 19, 24.4.3, 26.4.4	VERIFY THAT ALL MIXES USED COMPLY WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED CODES AND STANDARDS
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF CONCRETE.	CONTINUOUS	1908.10	ASTM C172 ASTM C31 ACI 318 26.4, 26.12	
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	1904.6, 1908.7, 1908.8	ACI 318 26.5	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	1908.9	ACI 318 26.5.3 - 26.5.5	
9. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC		ACI 318 26.11.2	
10. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED.	PERIODIC		ACI 318 26.11.1.2(b)	
11. INSPECT INSTALLATION OF MECHANICAL COUPLING DEVICES.	CONTINUOUS		ICC EVALUATION REPORT	VERIFY GRADE AND SIZE OF REBAR BEING SPLICED, COUPLER IDENTIFICATION AND POSITION, AND INSTALLATION OF COUPLER

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REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
No. 5078
CIVIL
STATE OF CALIFORNIA

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence**ter**
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER	DATE:
GARY LEE MOORE, PE, ENV SP	12/16/2021
ARCHITECTURAL DIVISION	
ARCHITECT: DEBRA GEROD LIC. NO. C23665	
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES	
DRAWN BY: NG	
CHECKED BY: JA	
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT	11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TESTING, INSPECTION, AND OBSERVATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
S003-1A

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Los Angeles Regional Uniform Code Program
Committee I-3: Structural Observation

STRUCTURAL OBSERVATION PROGRAM
AND DESIGNATION OF THE
STRUCTURAL OBSERVER

PROJECT ADDRESS: 532 S Olive St. Los Angeles, CA 90013 PERMIT APPL. NO.: B21LA22911

Description of Work: Tenant Improvement to existing Parking Structure to include new site structures, elevators, and stairs.

Owner: LA County Architect: Gruen Associates Engineer: KPFF

STRUCTURAL OBSERVATION
(only checked items are required)

Firm or Individual to be responsible for the Structural Observation:

Name: Mark Hershberg Phone: (213) 418-0201 Calif. Registration: S5078

FOUNDATION	WALL	FRAME	DIAPHRAGM
☐ Footing, Stem Walls, Piers	☐ Concrete	☐ Steel Moment Frame	☑ Concrete
☐ Mat Foundation	☑ Masonry	☐ Steel Braced Frame	☑ Steel Deck
☐ Caisson, Piles, Grade Beams	☐ Wood	☐ Concrete Moment Frame	☐ Wood
☐ Step'g/Retain'g Foundation, Hillside Special Anchors	☐ Others:	☑ Others: Ordinary Concentrically Cable Brace Frame	☐ Others:
☐ Others:			

DECLARATION BY OWNER

I, the Owner of the project, declare that the above listed firm or individual is hired **by me** to be the Structural Observer.

Signature Date

DECLARATION BY ARCHITECT OR ENGINEER OF RECORD (required if the Structural Observer is different from the Architect or Engineer of Record)

I, the Architect or Engineer of record for the project, declare that the above listed firm or individual is designated by me to be responsible for the Structural Observation.

Signature S5078 License No. 08-04-2021 Date

INForm.08 (Part 2) (Rev. 06/19/17)

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TABLE 2 - REQUIRED TESTING FOR SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	TESTING		REMARKS
	CODE REFERENCE	REFERENCED STANDARDS	
GEOTECHNICAL			
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY	1705.6	ASTM D1557	BY GEOTECHNICAL ENGINEER
MATERIAL VERIFICATION		CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIAL	BY GEOTECHNICAL ENGINEER
CONCRETE			
CONCRETE STRENGTH	1903 1705.3	ASTM C39	FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED. TEST EACH 150 CY NOR LESS THAN EACH 5000 SF OF SLAB OR WALL PLACED EACH DAY
CONCRETE SLUMP		ASTM C143	
CONCRETE AIR CONTENT		ASTM C231	
CONCRETE TEMPERATURE		ASTM C1064	
UNIT WEIGHT OF FRESH STRUCTURAL LIGHTWEIGHT CONCRETE		ASTM C567	
MASONRY			
COMPRESSIVE STRENGTH BY UNIT STRENGTH METHOD		ASTM C62 ASTM C216 ASTM C652 ASTM C476 ASTM C55 ASTM C90	PRIOR TO THE START OF CONSTRUCTION FOR LEVEL B QUALITY ASSURANCE TESTING EVERY 5,000 SF DURING CONSTRUCTION FOR LEVEL C QUALITY ASSURANCE
COMPRESSIVE STRENGTH BY PRISM TEST METHOD		ASTM C1314	
VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT		ASTM C1611	

TABLE 1 (CONT.) - REQUIRED SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION			REMARKS
	INSPECTION TYPE	CODE REFERENCE	REFERENCED STANDARDS	
STEEL DECK				
INSPECTION TASKS PRIOR TO DECK PLACEMENT				
1. VERIFY COMPLIANCE OF MATERIALS (DECK AND DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS	PERFORM	1705.2.2		
2. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM			
INSPECTION TASKS AFTER TO DECK PLACEMENT				
1. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTUCTION DOCUMENTS	PERFORM	1705.2.2		
2. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMLY WITH THE CONSTRUCTION DOCUMENTS	PERFORM			
3. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM			
INSPECTION TASKS PRIOR TO WELDING				
1. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	1705.2.2		
2. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE			
3. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE			
4. CHECK WELDING EQUIPMENT	OBSERVE			
INSPECTION TASKS DURING WELDING				
1. USE OF QUALIFIED WELDERS	OBSERVE	1705.2.2		
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE			
3. ENVIRONMENTAL CONDITIONS	OBSERVE			
4. WPS FOLLOWED	OBSERVE			
INSPECTION TASKS AFTER WELDING				
1. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	PERFORM	1705.2.2		
2. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM			
3. VERIFY REPAIR ACTIVITIES	PERFORM			
4. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM			
INSPECTION TASKS PRIOR TO MECHANICAL FASTENING				
1. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	1705.2.2		
2. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE			
3. PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE			
INSPECTION TASKS DURING MECHANICAL FASTENING				
1. FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	1705.2.2		
2. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE			
INSPECTION TASKS AFTER MECHANICAL FASTENING				
1. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	1705.2.2		
2. CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	PERFORM			
3. CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM			
4. VERIFY REPAIR ACTIVITIES	PERFORM			
5. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM			

15. Unsurcharged temporary excavation may be cut vertical up to 5 feet. Excavations over 5 feet shall be trimmed back at a uniform gradient not exceeding 1:1, from top to bottom of excavation, as recommended.

16. All foundations shall derive entire support from competent bedrock, as recommended and approved by the soils engineer by inspection.

17. The seismic design shall be based on a Site Class D as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.

18. Retaining walls shall be designed for the lateral earth pressures specified in the section 8.4 starting on page 16 of the 12/04/2018 report. Note: All surcharge loads shall be included into the design.

19. Retaining walls higher than 6 feet shall be designed for lateral earth pressure due to earthquake motions as specified on page 16 of the 12/04/2018 report (1803.5.12).

20. All retaining walls shall be provided with a standard surface backdrain system and all drainage shall be conducted in a non-erosive device to the street in an acceptable manner (7013.11).

21. With the exception of retaining walls designed for hydrostatic pressure, all retaining walls shall be provided with a subdrain system to prevent possible hydrostatic pressure behind the wall. Prior to issuance of any permit, the retaining wall subdrain system recommended in the soils report shall be incorporated into the foundation plan which shall be reviewed and approved by the soils engineer of record (1805.4).

22. Installation of the subdrain system shall be inspected and approved by the soils engineer of record and the City grading/building inspector (108.9).

23. Basement walls and floors shall be waterproofed/damp-proofed with an LA City approved "Below-grade" waterproofing/damp-proofing material with a research report number (104.2.6).

24. Prefabricated drainage composites (Miradrain, Geotextiles) may be only used in addition to traditionally accepted methods of draining retained earth.

25. All roof, pad and deck drainage shall be conducted to the street in an acceptable manner in non-erosive devices or other approved location in a manner that is acceptable to the LADBS and the Department of Public Works (7013.10).

26. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).

27. The soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading (7008 & 1705.6).

28. Prior to pouring concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the work inspected meets the conditions of the report. No concrete shall be poured until the LADBS Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)

29. Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction; protection fences; and, dust and traffic control will be scheduled (108.9.1).

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DEPARTMENT OF BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012
FRANK M. BUSH GENERAL MANAGER SUPERINTENDENT OF BUILDING
OSAMA YOUNAN, P.E. EXECUTIVE OFFICER

SOILS REPORT APPROVAL LETTER

July 23, 2018

LOG # 103640-01
SOILS/GEOLOGY FILE - 2

City of Los Angeles
1149 S. Broadway
Los Angeles, Ca 90015

TRACT: ORD'S SURVEY (M R 53-66/73)
BLOCK: 15
LOT(S): FR "UNNUMBERED LT"
LOCATION: 530 S. Olive St.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Soils Report	17-075	07/12/2018	Geotechnical Engineering Div.

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Review Letter	103640	06/18/2018	LADBS
Addendum Report	17-075	02/23/2018	Geotechnical Engineering Div.
Responsibility Ltr	"	01/29/2018	"
Soils Report	106987-2000	12/04/2017	Wildan Geotechnical

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provides recommendations for the proposed elevators, renovation, and ramp retrofitting to the existing Pershing Square. Pershing Square is an open space park facility on top of 3 levels of subterranean parking. The earth materials at the subsurface exploration locations consist of up to 24 feet of uncertified fill underlain by alluvium and clayey siltstone to silty claystone bedrock.

The consultants recommend to support the proposed structure(s) on conventional foundations bearing on competent bedrock.

The referenced reports are acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2017 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The soils engineer shall review and approve the detailed plans prior to issuance of any permit. This approval shall be by signature on the plans that clearly indicates the soils engineer has reviewed the plans prepared by the design engineer; and, that the plans included the recommendations contained in their reports (7006.1).

LADBS G-8 (Rev 11/23/2016) AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

30. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the soil inspected meets the conditions of the report. No fill shall be placed until the LADBS Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included (7011.3).

DAN RYAN EVANGELISTA
Structural Engineering Associate II

DRE/dre
Log No. 103640-01
213-482-0480

cc: Geotechnical Engineering Div., Project Consultant
LA District Office

2. An on-site storm water infiltration system at the subject site shall not be implemented, as recommended.

3. All recommendations of the report(s) that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.

4. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans (7006.1). Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit.

5. A grading permit shall be obtained for all structural fill and retaining wall backfill (106.1.2).

6. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density. Placement of gravel in lieu of compacted fill is only allowed if complying with LAMC Section 91.7011.3.

7. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill (1809.2, 7011.3).

8. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction (7013.12).

9. All loose foundation excavation material shall be removed prior to commencement of framing. Slopes disturbed by construction activities shall be restored (7005.3).

10. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the General Safety Orders of the California Department of Industrial Relations (3301.1).

11. Excavations shall not remove lateral support from a public way, adjacent property or an existing structure. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)

12. A supplemental report shall be submitted to the Grading Division of the Department containing recommendations for shoring, underpinning, and sequence of construction in the event that any excavation would remove lateral support to the public way, adjacent property, or adjacent structures (3307.3). A plot plan and cross-section(s) showing the construction type, number of stories, and location of the structures adjacent to the excavation shall be part of the excavation plans (7006.2).

13. Prior to the issuance of any permit that authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the subject site shall provide the Department with evidence that the adjacent property owner has been given a 30-day written notice of such intent to make an excavation (3307.1).

14. Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.

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OFFICIAL RECORD

REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
No. 5078
STATE OF CALIFORNIA

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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BUILDING NO.
INDEX NO. MF-300492

REVISIONS: NO. | DATE: | BY:

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TESTING, INSPECTION, AND OBSERVATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. S004-1A
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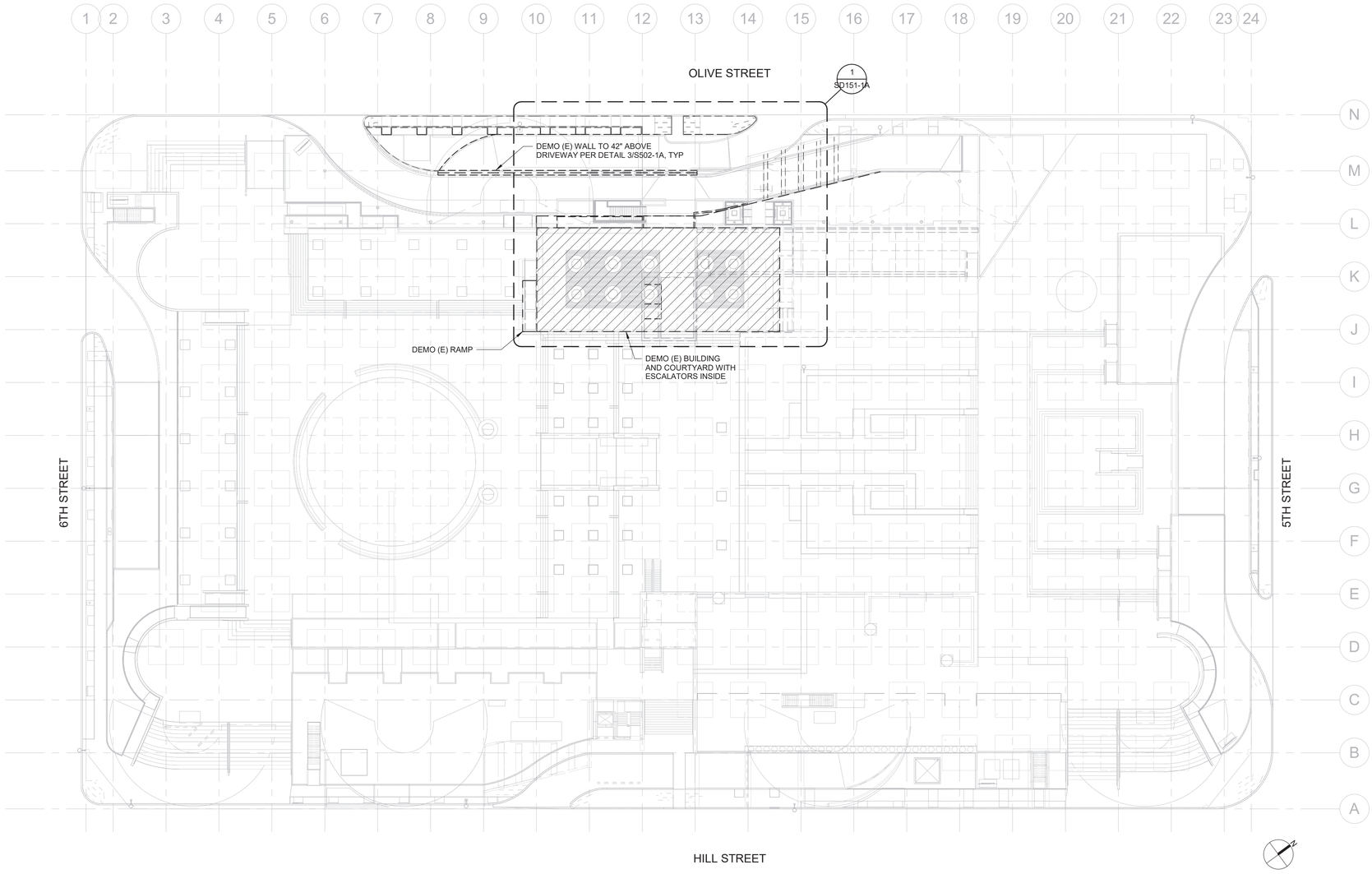

1 GROUND LEVEL - DEMO PLAN

SCALE : 1" = 30'-0"

TYPICAL DEMO PLAN NOTES :

1. ACCEPTABLE FOR ITEMS NOTED TO BE REMOVED DURING INITIAL DEMOLITION INDEPENDENT OF STRUCTURAL INTERVENTIONS. ADDITIONAL REMOVAL OF COMPONENTS TO BE PERFORMED IN CONJUNCTION WITH STRENGTHENING SHOWN ON SUBSEQUENT DEMO SHEETS
2. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN
3. SEE S000 SERIES FOR GENERAL NOTES

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REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
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ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST.
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PLAN FILE NO.

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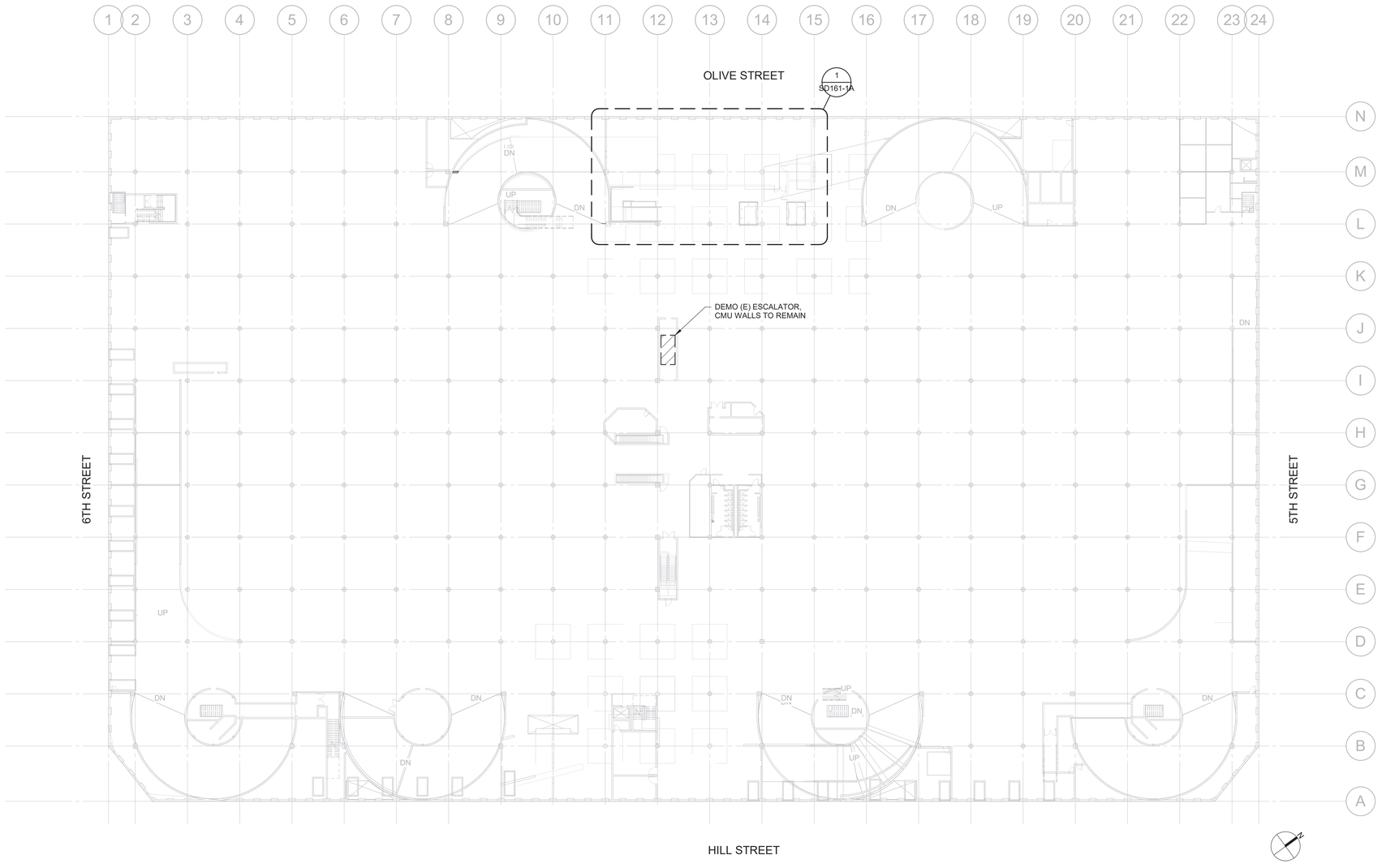

1 PARKING LEVEL 1 - DEMO PLAN

SCALE : 1" = 30'-0"

TYPICAL DEMO PLAN NOTES :

1. ACCEPTABLE FOR ITEMS NOTED TO BE REMOVED DURING INITIAL DEMOLITION INDEPENDENT OF STRUCTURAL INTERVENTIONS. ADDITIONAL REMOVAL OF COMPONENTS TO BE PERFORMED IN CONJUNCTION WITH STRENGTHENING SHOWN ON SUBSEQUENT DEMO SHEETS
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ARCHITECTURAL DIVISION LIC. NO. C23665 — DATE: 11/08/201
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 1 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. SD121-1A

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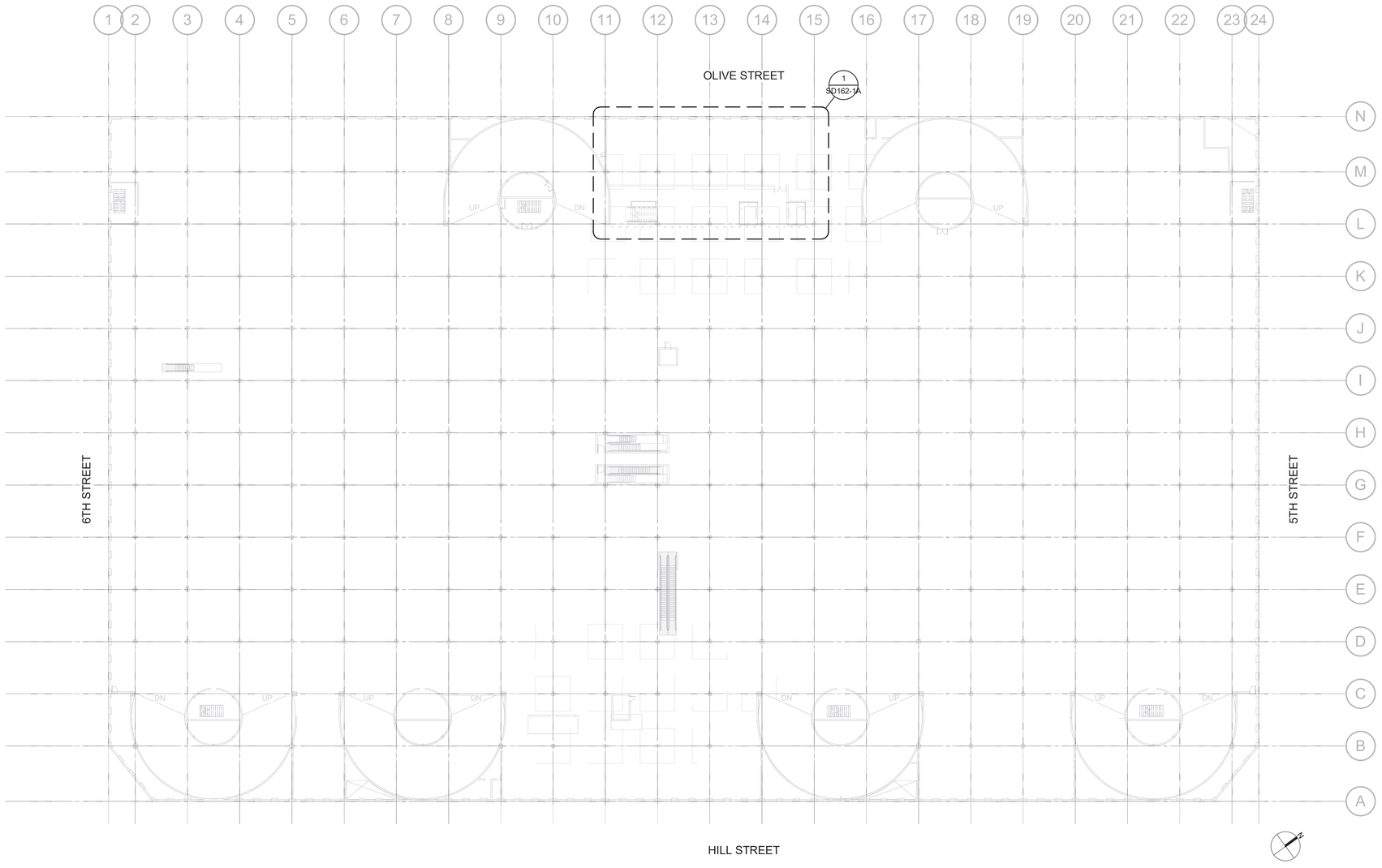

1 PARKING LEVEL 2 - DEMO PLAN

SCALE : 1" = 30'-0"

TYPICAL DEMO PLAN NOTES :

1. ACCEPTABLE FOR ITEMS NOTED TO BE REMOVED DURING INITIAL DEMOLITION INDEPENDENT OF STRUCTURAL INTERVENTIONS. ADDITIONAL REMOVAL OF COMPONENTS TO BE PERFORMED IN CONJUNCTION WITH STRENGTHENING SHOWN ON SUBSEQUENT DEMO SHEETS
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DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
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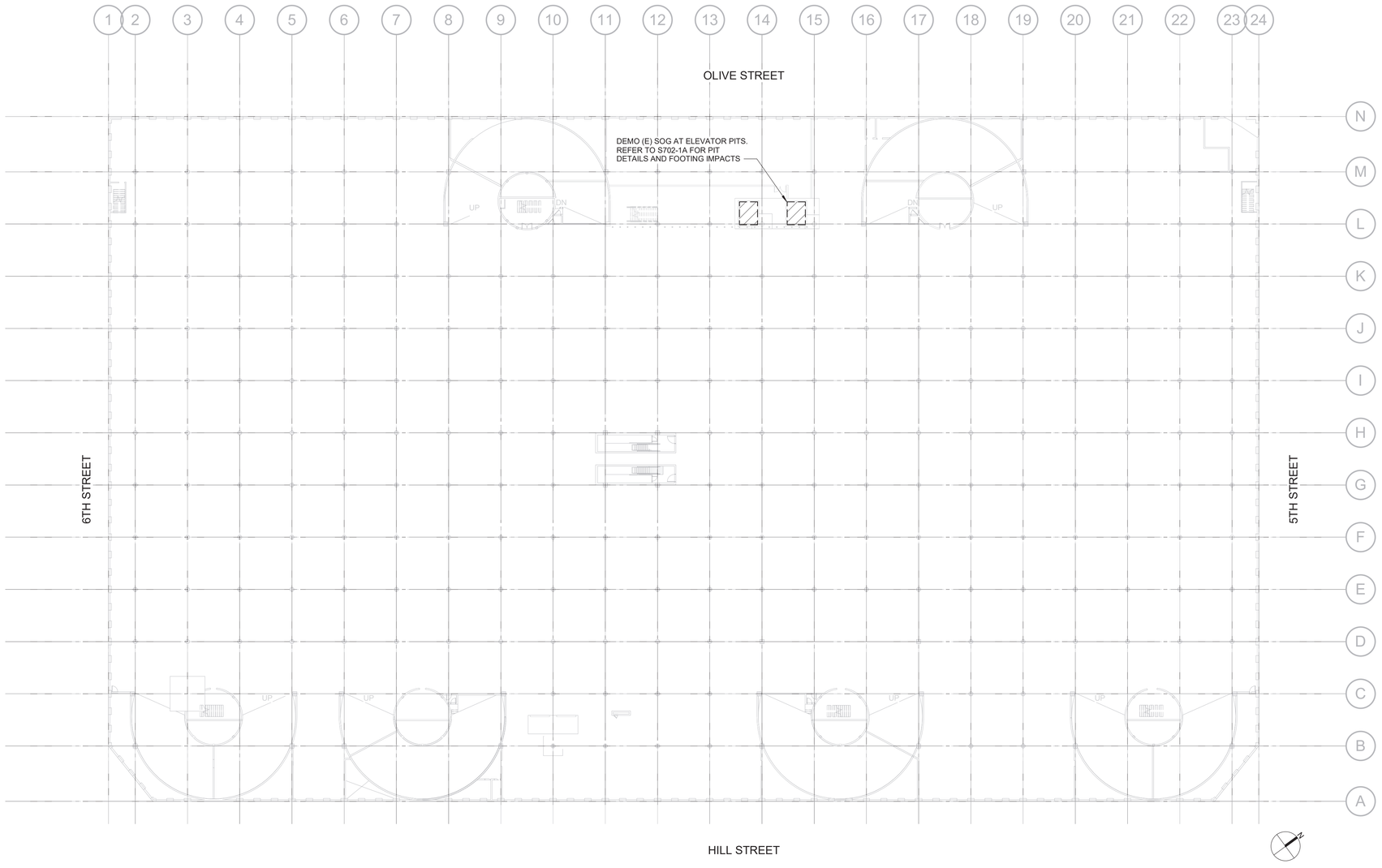

1 PARKING LEVEL 3 - DEMO PLAN

SCALE : 1" = 30'-0"

TYPICAL DEMO PLAN NOTES :

1. ACCEPTABLE FOR ITEMS NOTED TO BE REMOVED DURING INITIAL DEMOLITION INDEPENDENT OF STRUCTURAL INTERVENTIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN
3. SEE S000 SERIES FOR GENERAL NOTES

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CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 3 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

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PLAN FILE NO.
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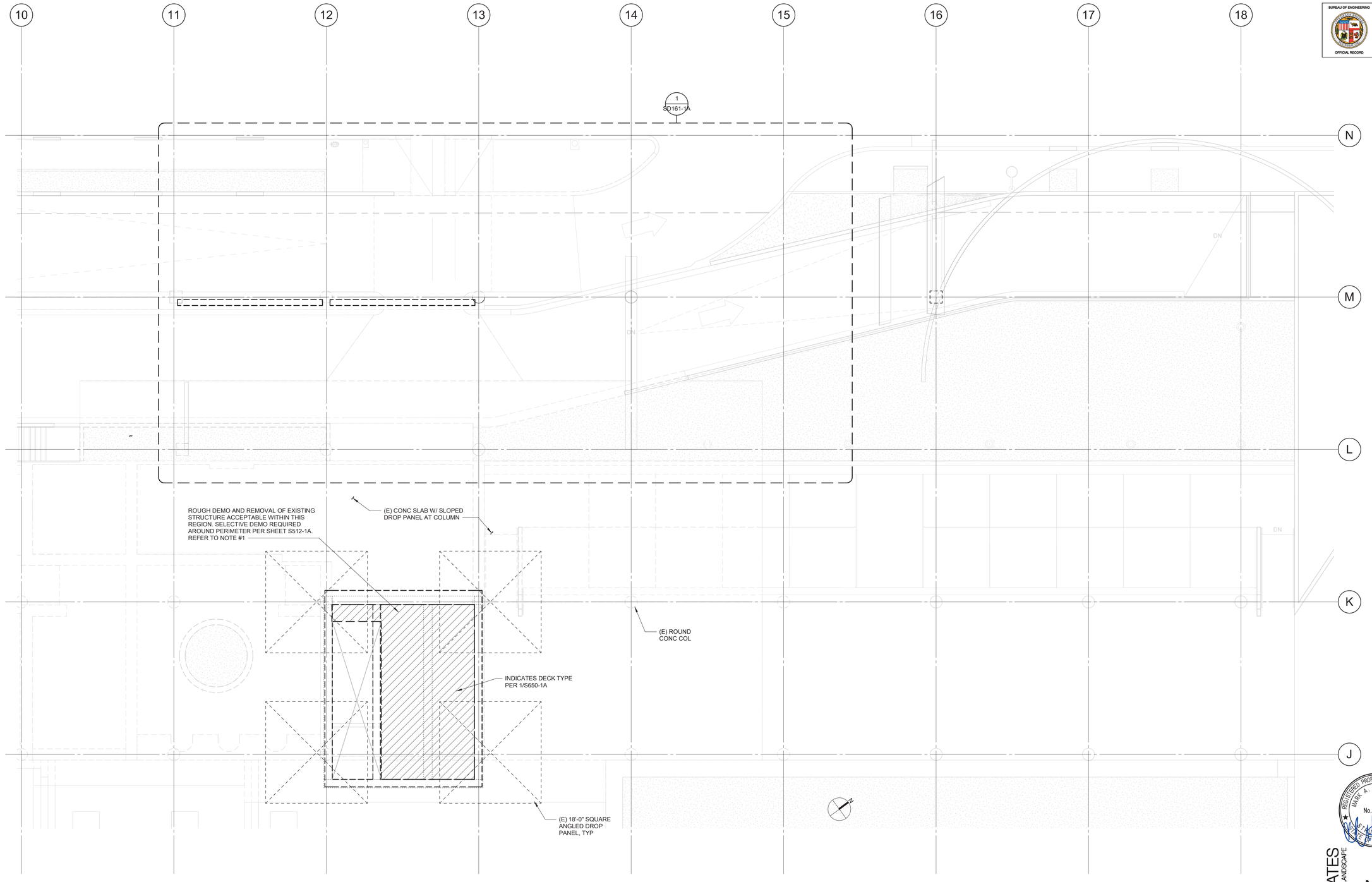

DEMO PARTIAL PLAN NOTES

1. CONTRACTOR RESPONSIBLE FOR DESIGN OF TEMPORARY SHORING TO SUPPORT STRUCTURE DURING CONSTRUCTION PRIOR TO COMPLETION OF STRUCTURE SCOPE OF WORK

1 PHASE 1A - PLAZA PLAN - DEMO

SCALE : 1/8" = 1'-0"

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE: 12/16/2021

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE ENLARGED PLANS - PLAZA - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
No. 5078
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WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
SD151-1A

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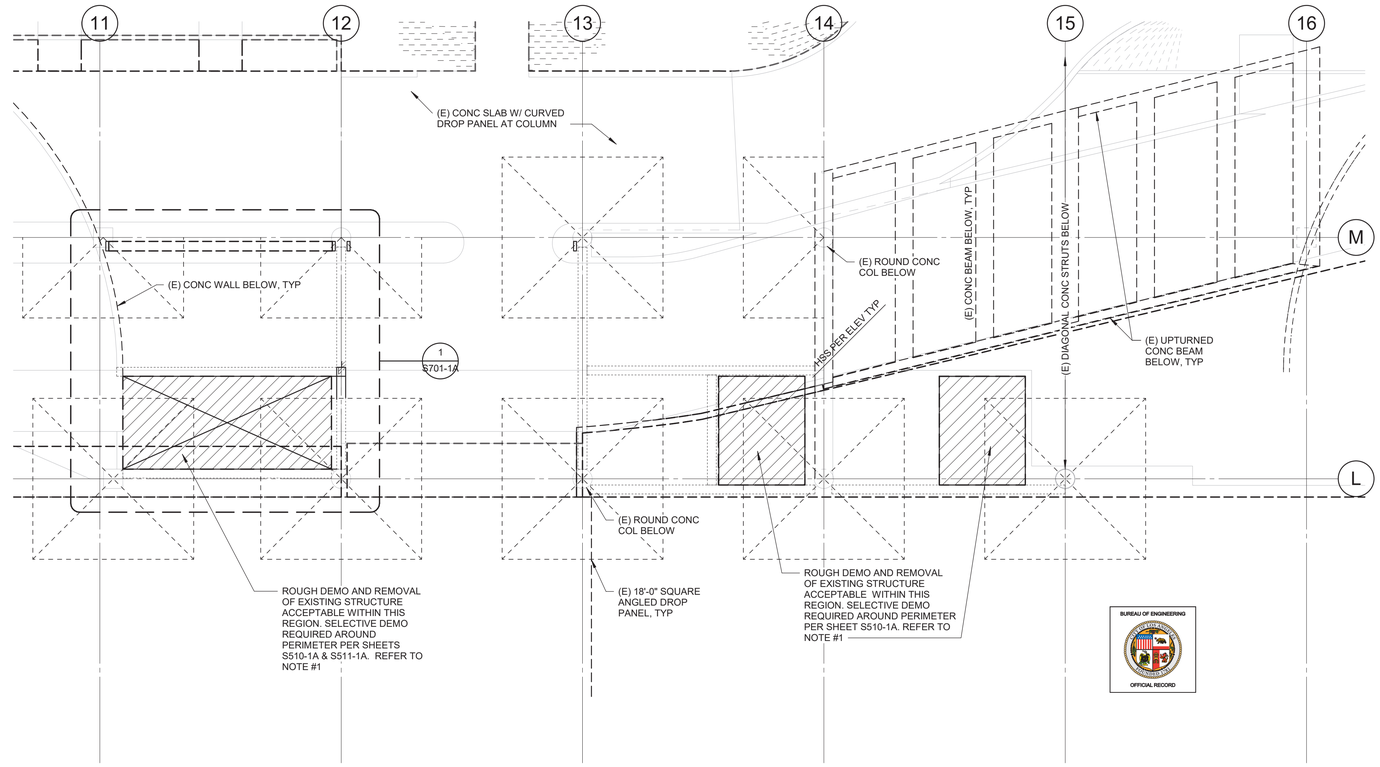
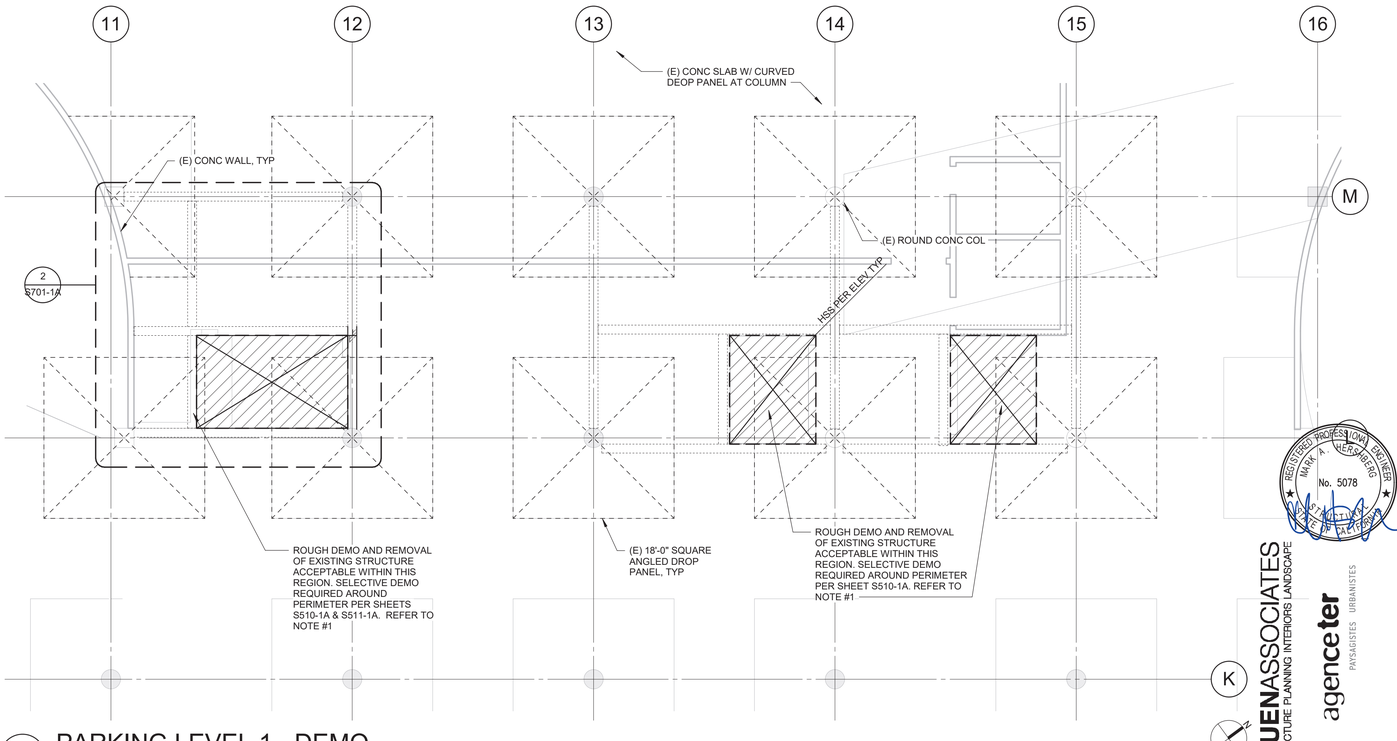


1 GROUND LEVEL - DEMO

SCALE : 1/8" = 1'-0"



2 PARKING LEVEL 1 - DEMO

SCALE : 1/8" = 1'-0"

DEMO PARTIAL PLAN NOTES

1. CONTRACTOR RESPONSIBLE FOR DESIGN OF TEMPORARY SHORING TO SUPPORT STRUCTURE DURING CONSTRUCTION PRIOR TO COMPLETION OF STRUCTURE SCOPE OF WORK

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

CITY OF LOS ANGELES

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - VERTICAL TRANSPORTATION - DEMO

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. SD161-1A

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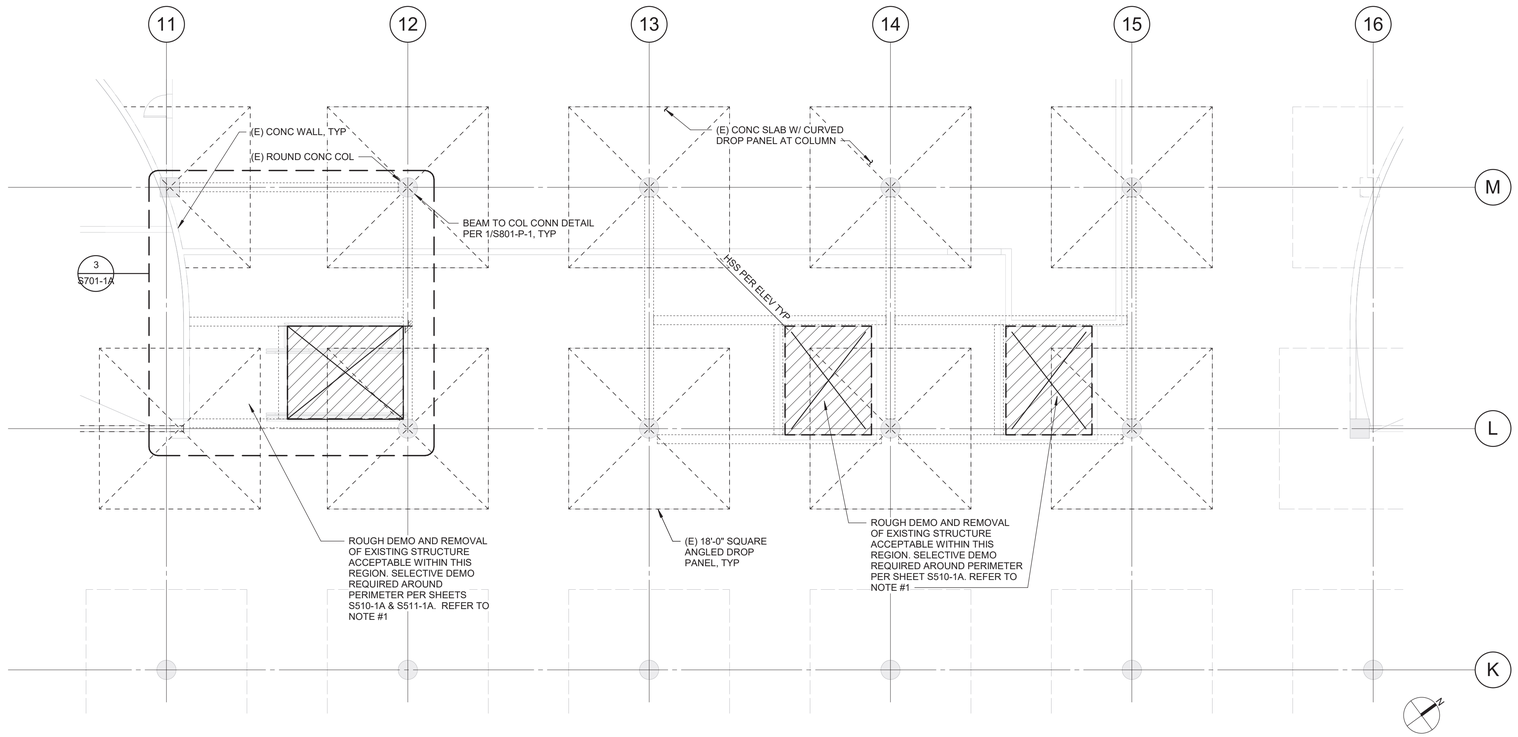

DEMO PARTIAL PLAN NOTES

1. CONTRACTOR RESPONSIBLE FOR TEMPORARY SHORING TO SUPPORT STRUCTURE DURING CONSTRUCTION PRIOR TO COMPLETION OF STRUCTURE SCOPE OF WORK

1 PARKING LEVEL 2 - DEMO

SCALE : 1/8" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
No. 5078
STATE OF CALIFORNIA

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - VERTICAL TRANSPORTATION - DEMO

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. SD162-1A

SHEET OF SHEETS

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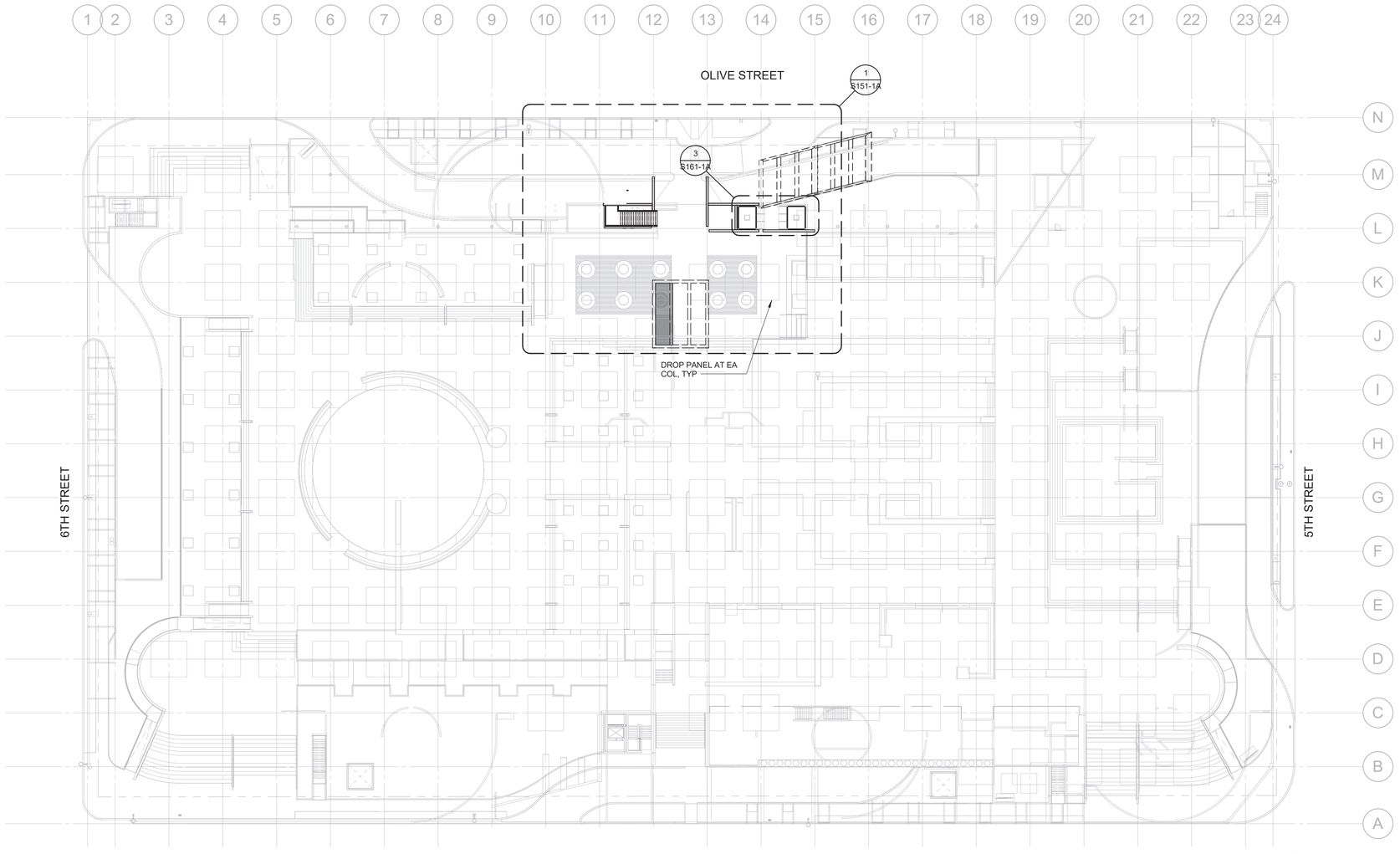

1 PHASE 1A - GROUND LEVEL

SCALE : 1" = 30'-0"

TYPICAL PLAN NOTES :

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. SEE S000 SERIES FOR GENERAL NOTES.
3. SEE S400 SERIES FOR TYPICAL CMU DETAILS.
4. SEE S500 SERIES FOR TYPICAL CONCRETE DETAILS.
5. SEE S600 SERIES FOR TYPICAL STEEL NOTES.
6. SEE S650 SERIES FOR TYPICAL METAL DECK DETAILS.

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No. 5078
STATE OF CALIFORNIA

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ARCHITECT: DEBRA GEROD LIC. NO. C23665 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S111-1A

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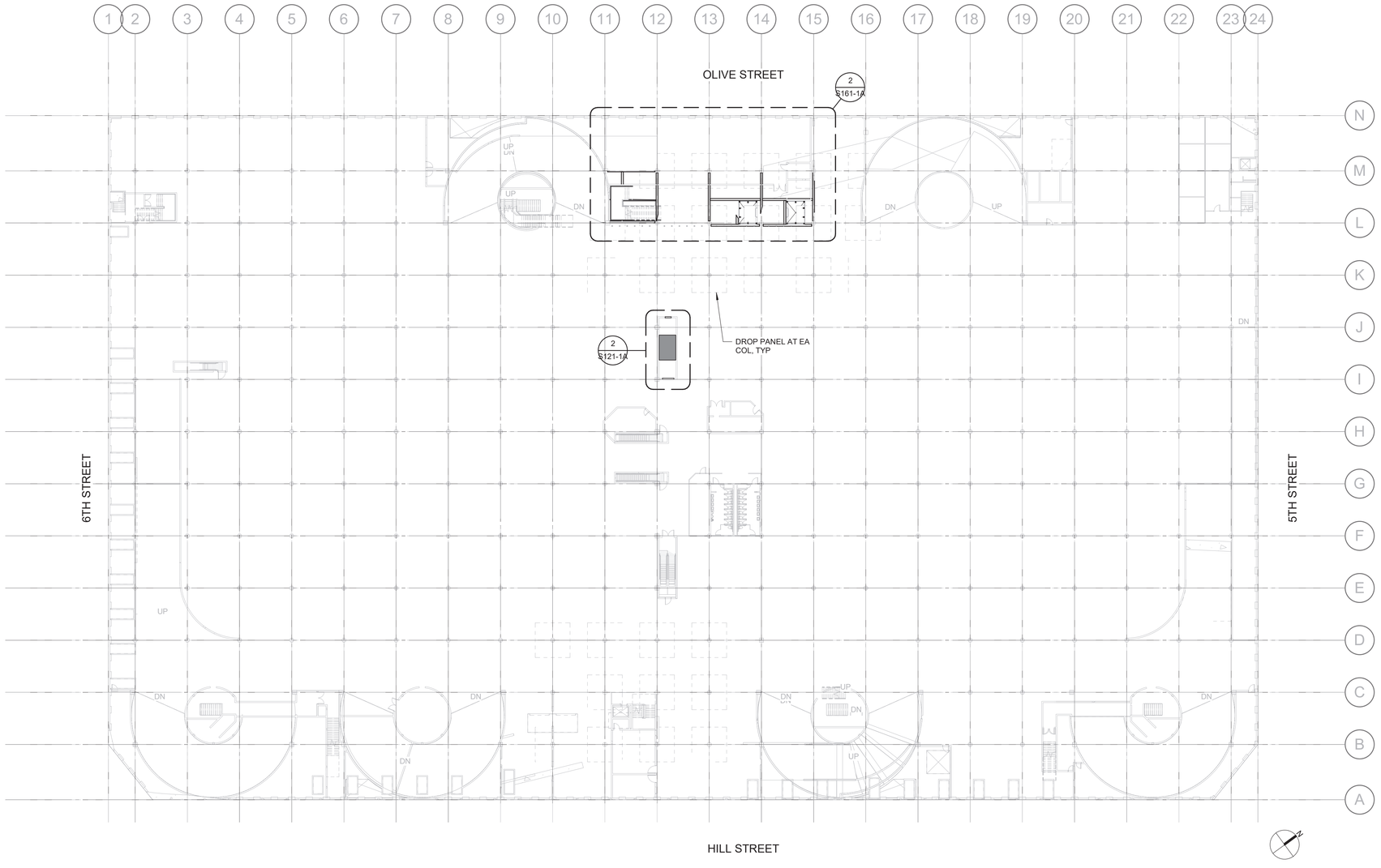


1 PHASE 1A - P1 LEVEL

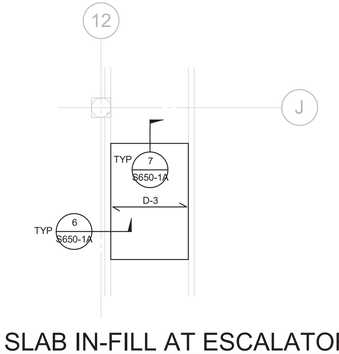
SCALE : 1" = 30'-0"

TYPICAL PLAN NOTES :

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. SEE S000 SERIES FOR GENERAL NOTES.
3. SEE S400 SERIES FOR TYPICAL CMU DETAILS.
4. SEE S500 SERIES FOR TYPICAL CONCRETE DETAILS.
5. SEE S600 SERIES FOR TYPICAL STEEL NOTES.
6. SEE S650 SERIES FOR TYPICAL METAL DECK DETAILS.

LEGEND :

D-X — INDICATES DECK TYPE. SEE DETAIL 1/S650-1A.



2 SLAB IN-FILL AT ESCALATOR

SCALE : 1/8" = 1'-0"

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CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE PARKING LEVEL 1 - PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **S121-1A**

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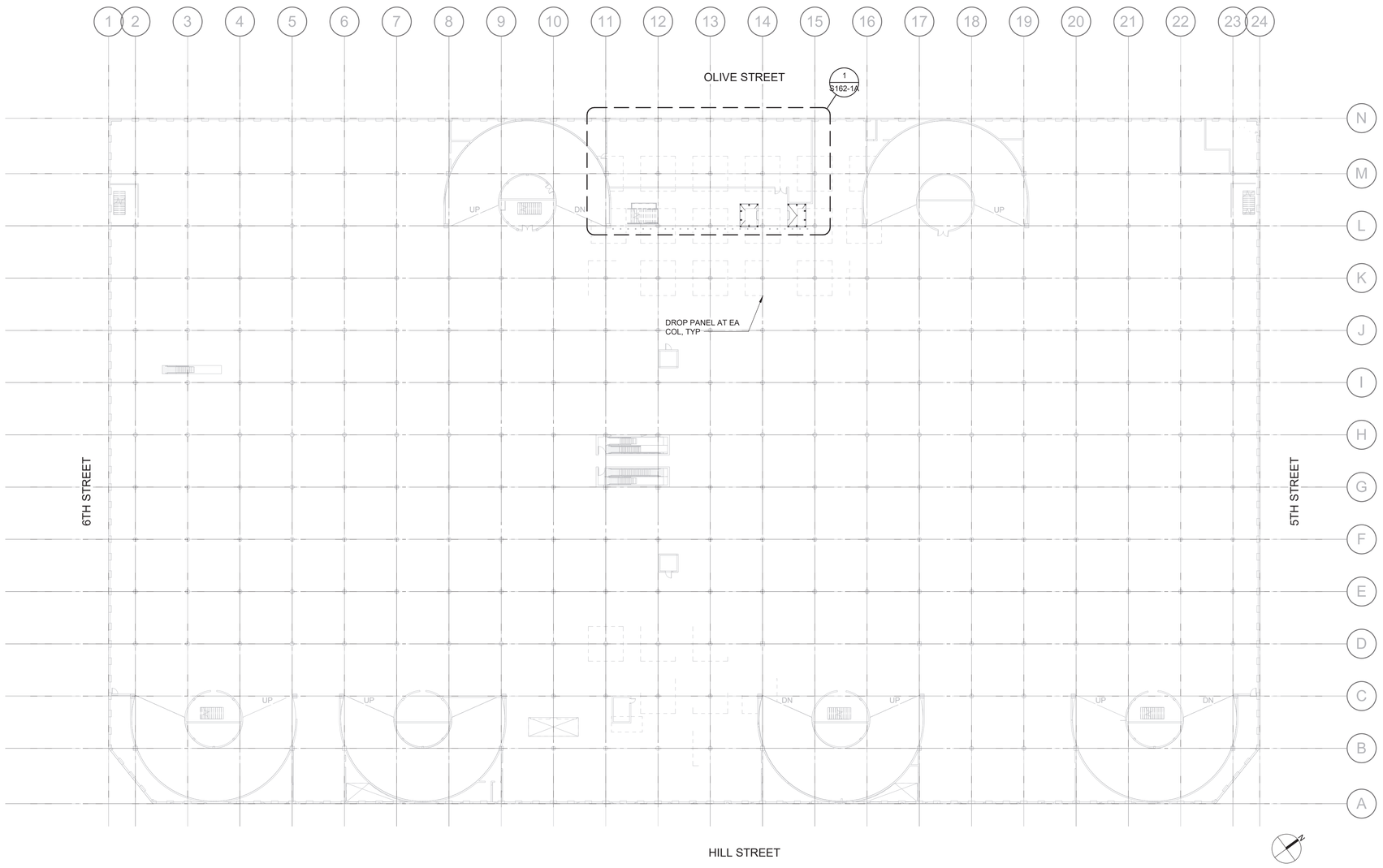

1 PHASE 1A - P2 LEVEL

SCALE : 1" = 30'-0"

TYPICAL PLAN NOTES :

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. SEE S000 SERIES FOR GENERAL NOTES.
3. SEE S400 SERIES FOR TYPICAL CMU DETAILS.
4. SEE S500 SERIES FOR TYPICAL CONCRETE DETAILS.
5. SEE S600 SERIES FOR TYPICAL STEEL NOTES.
6. SEE S650 SERIES FOR TYPICAL METAL DECK DETAILS.

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DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
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APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S131-1A

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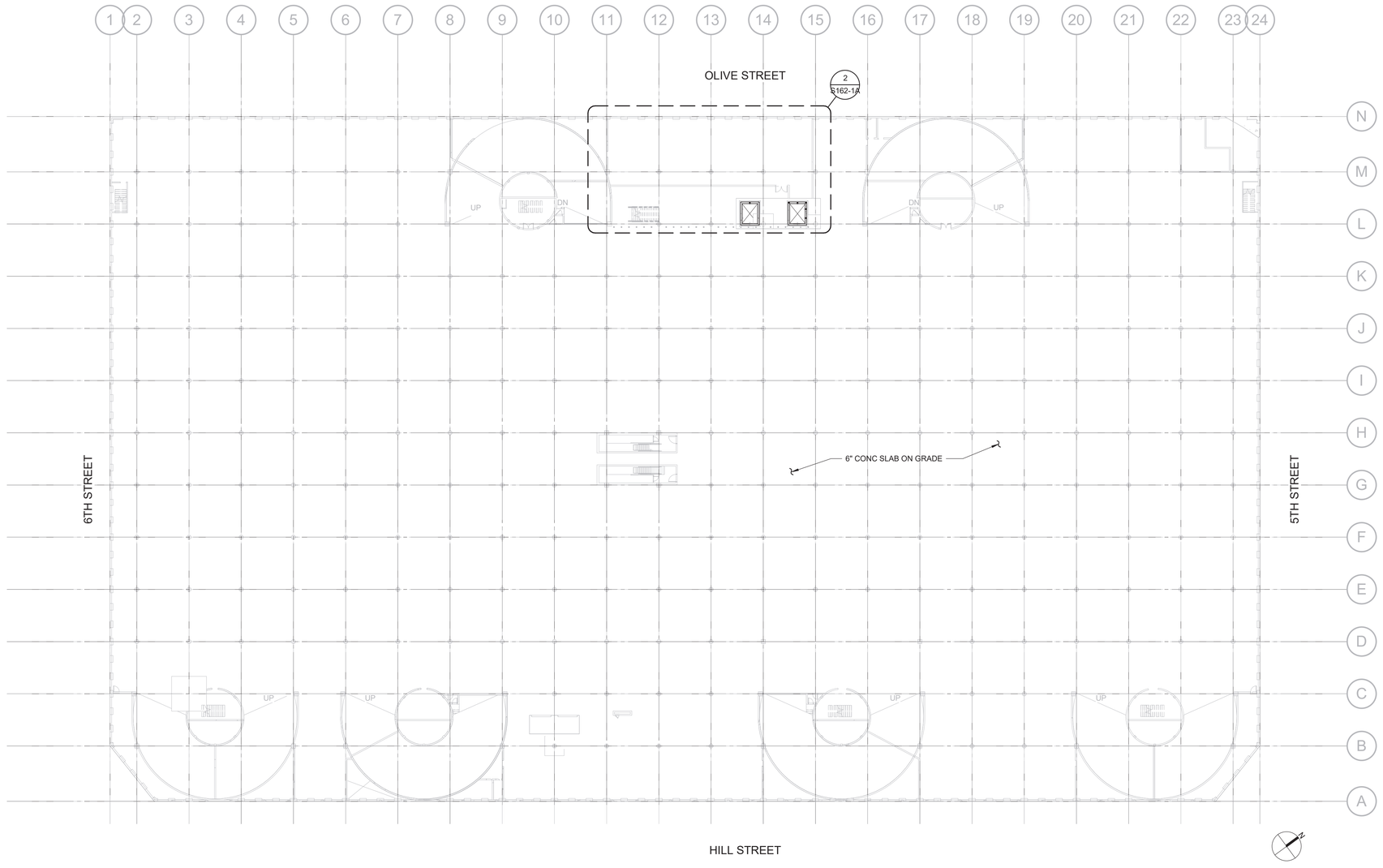

1 PHASE 1A - P3 LEVEL

SCALE : 1" = 30'-0"

TYPICAL PLAN NOTES :

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. SEE S000 SERIES FOR GENERAL NOTES.
3. SEE S400 SERIES FOR TYPICAL CMU DETAILS.
4. SEE S500 SERIES FOR TYPICAL CONCRETE DETAILS.
5. SEE S600 SERIES FOR TYPICAL STEEL NOTES.
6. SEE S650 SERIES FOR TYPICAL METAL DECK DETAILS.

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CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT DATE: 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 3 - PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
S141-1A

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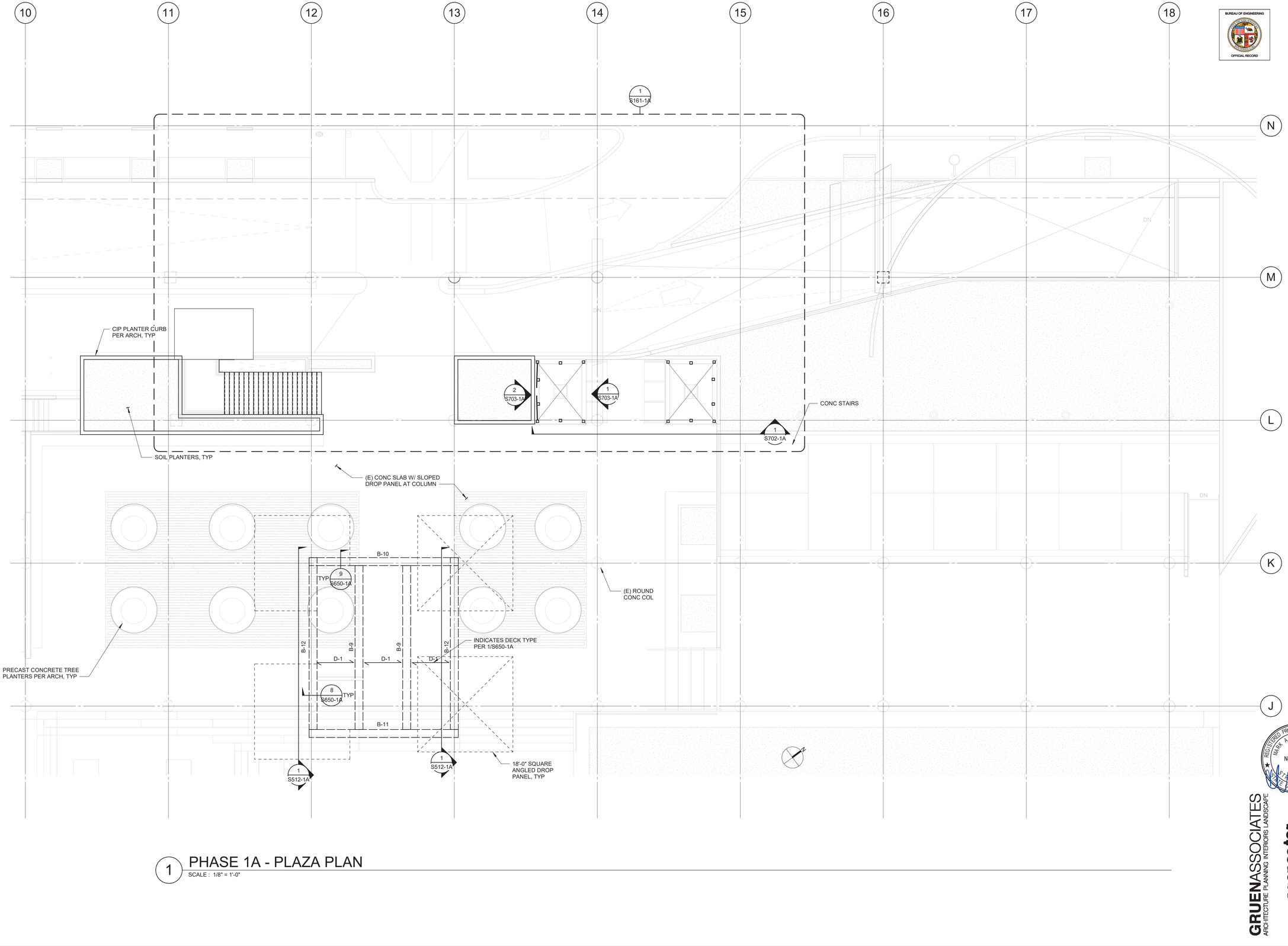

1 PHASE 1A - PLAZA PLAN

SCALE : 1/8" = 1'-0"

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LIC. NO. C23665

ARCHITECT: DEBRA GEROD
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CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - PLAZA

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

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PLAN FILE NO.

DRAWING NO.
S151-1A

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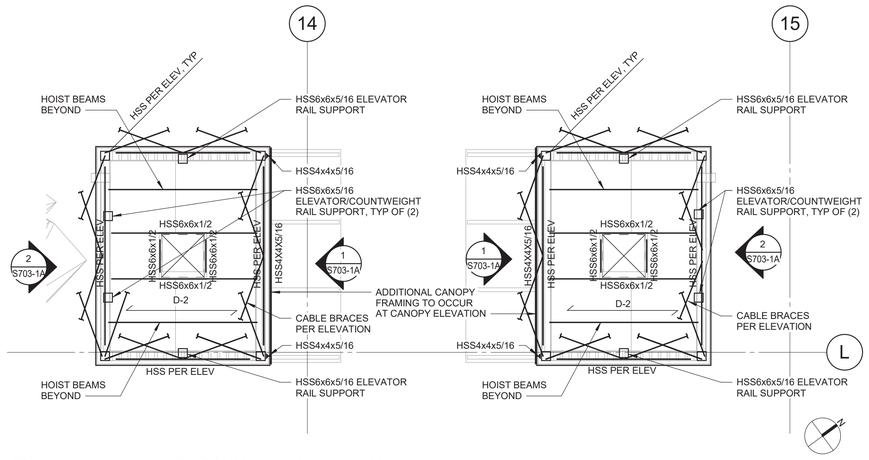
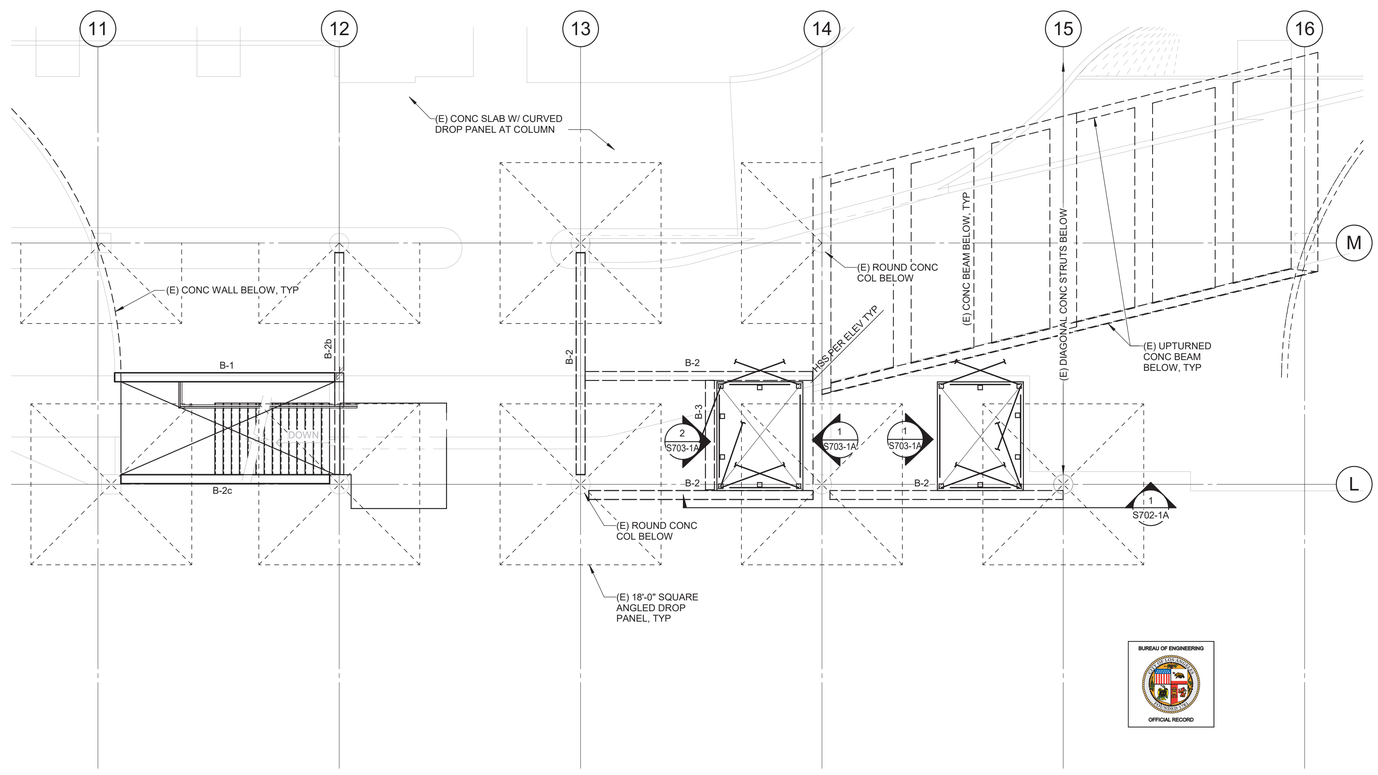


3 ELEVATOR ROOF FRAMING

SCALE : 1/4" = 1'-0"



1 GROUND LEVEL

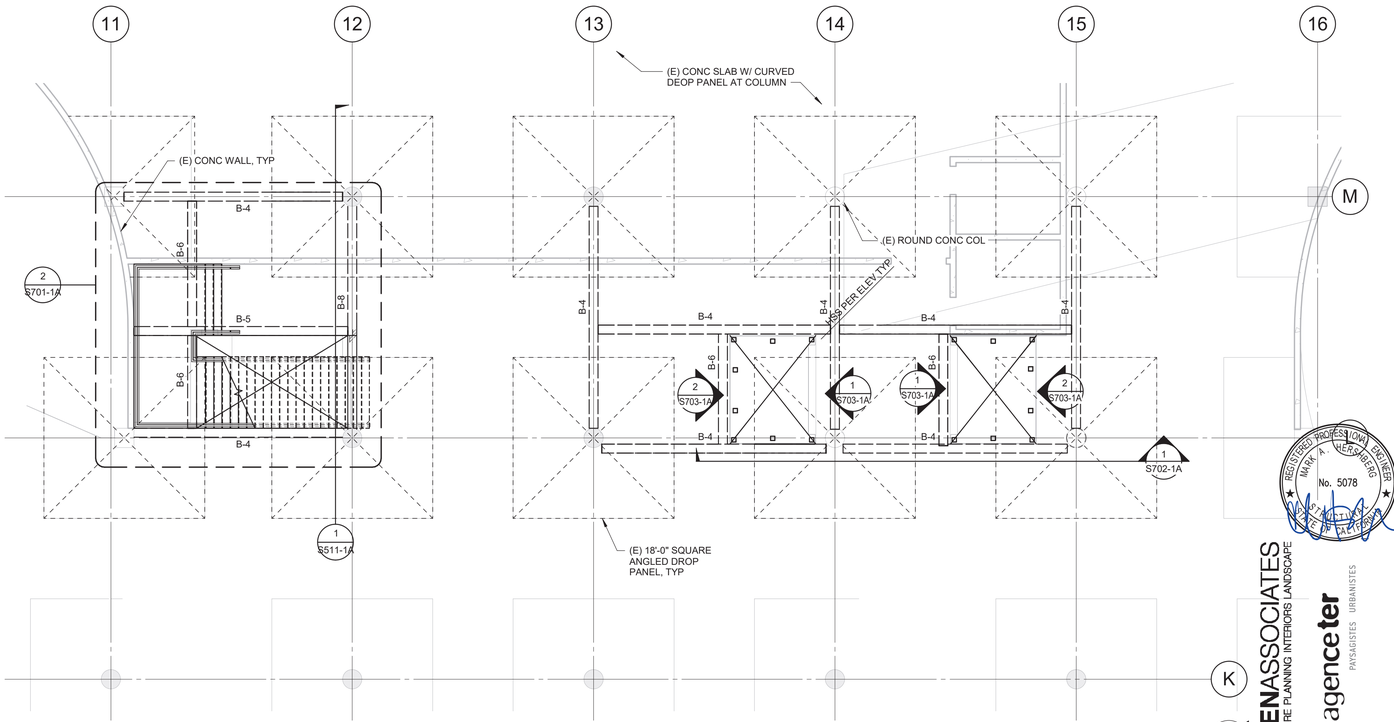
SCALE : 1/8" = 1'-0"

TYPICAL PLAN NOTES :

1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
2. SEE S000 SERIES FOR GENERAL NOTES.
3. SEE S400 SERIES FOR TYPICAL CMU DETAILS.
4. SEE S500 SERIES FOR TYPICAL CONCRETE DETAILS.
5. SEE S600 SERIES FOR TYPICAL STEEL NOTES.
6. SEE S650 SERIES FOR TYPICAL METAL DECK DETAILS.

LEGEND :

- D-X — INDICATES DECK TYPE. SEE DETAIL 1/S650-P2
- INDICATES SLAB OPENING
- INDICATES CABLE BRACE PER ELEVATIONS
- B-## — INDICATES CONCRETE BEAM PER S510-1
- INDICATES MOMENT CONNECTION PER 6/S601-1A



2 PARKING LEVEL 1

SCALE : 1/8" = 1'-0"

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DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - VERTICAL TRANSPORTATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S161-1A

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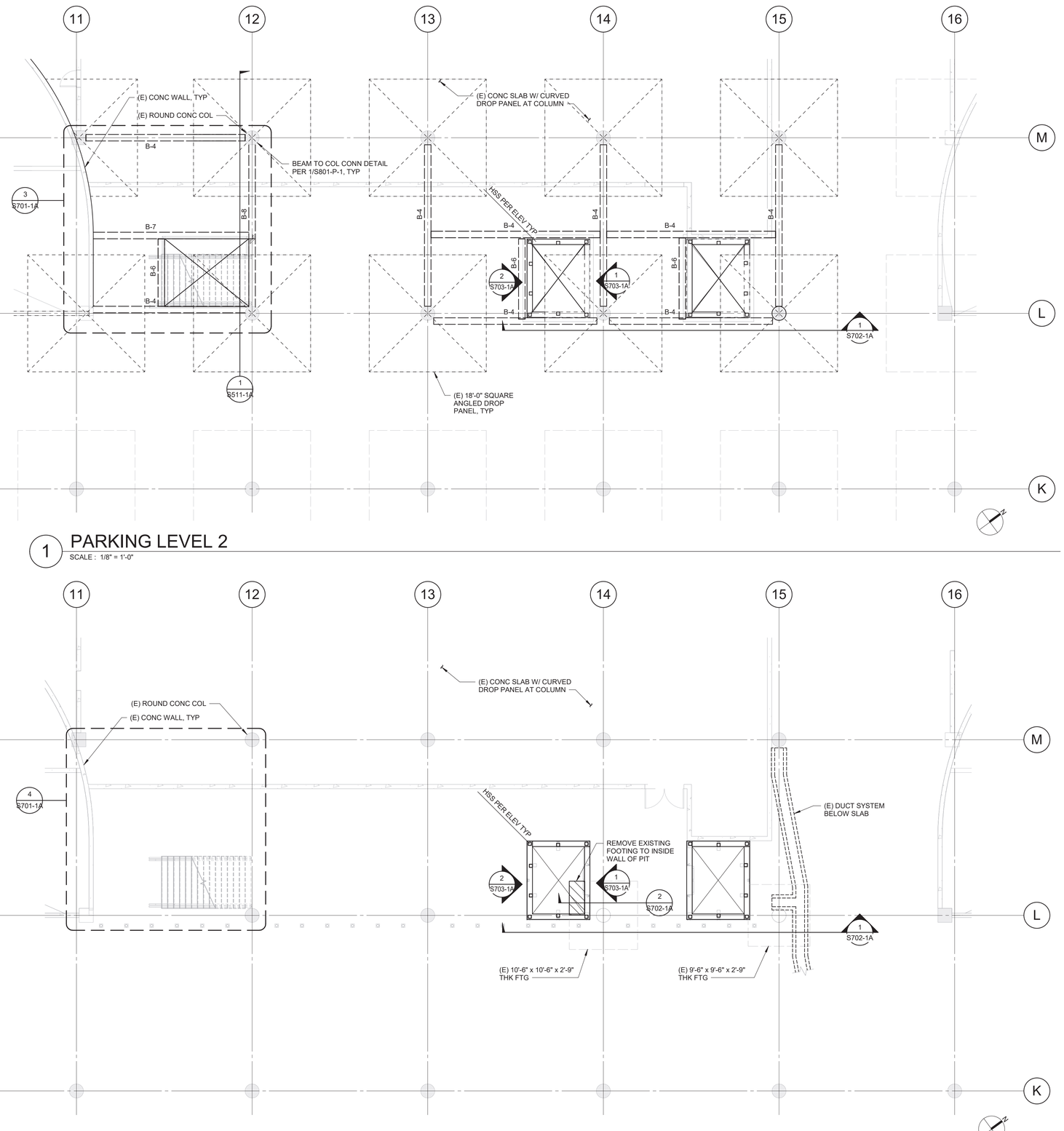
2. SEE S000 SERIES FOR GENERAL NOTES.
3. SEE S400 SERIES FOR TYPICAL CMU DETAILS.
4. SEE S500 SERIES FOR TYPICAL CONCRETE DETAILS.
5. SEE S600 SERIES FOR TYPICAL STEEL NOTES.
6. SEE S650 SERIES FOR TYPICAL METAL DECK DETAILS.

LEGEND :

- D-X — INDICATES DECK TYPE. SEE DETAIL 1/S650-P2
- INDICATES SLAB OPENING
- INDICATES CABLE BRACE PER ELEVATIONS
- B-## — INDICATES CONCRETE BEAM PER S510-1
- INDICATES MOMENT CONNECTION PER 6/S601-1A



1 PARKING LEVEL 2
SCALE : 1/8" = 1'-0"

2 PARKING LEVEL 3
SCALE : 1/8" = 1'-0"

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ARCHITECTURAL DIVISION DATE: 12/16/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - VERTICAL TRANSPORTATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S162-1A

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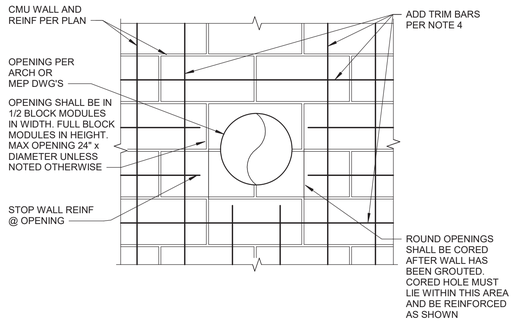
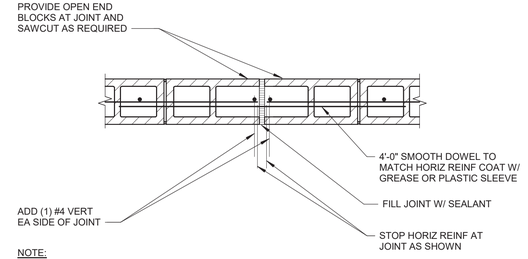


NOTES:

1. FOR OPENINGS SMALLER THAN 16", ADDITIONAL REINFORCING IS NOT REQD UNLESS DISTRIBUTED REINFORCEMENT IS INTERRUPTED.
2. SEE WALL ELEVATIONS OR PLANS FOR REINFORCEMENT AT LARGER OPENINGS.
3. CLUSTERS OF SMALL HOLES WHOSE OVERALL MEASUREMENT EXCEEDS 1'-0" SHOULD BE REINFORCED AS ONE OPENING, SEE
4. TRIM BARS AT EA SIDE OF OPENING TO MATCH SIZE AND QUANTITY OF PRIMARY REINFORCEMENT BARS INTERRUPTED DUE TO OPENING, MIN (2) #5 EA SIDE.
5. ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE SEOR'S ATTENTION BY THE CONTRACTOR PRIOR TO PERFORMING WORK.

5 ROUND OPENING IN CMU WALL

SCALE : 1" = 1'-0"

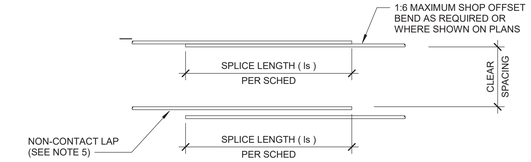


NOTE:

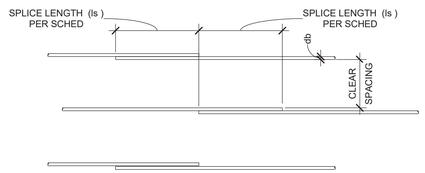
1. PROVIDE JOINTS AT INTERVALS NOT TO EXCEED 30 FEET EXCEPT AS NOTED.

2 CONTROL JOINT @ FENCES/RET'G WALLS

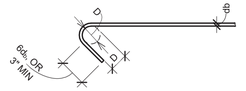
SCALE : 1" = 1'-0"



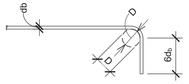
TYPICAL LAP SPLICE



STAGGERED SPLICING



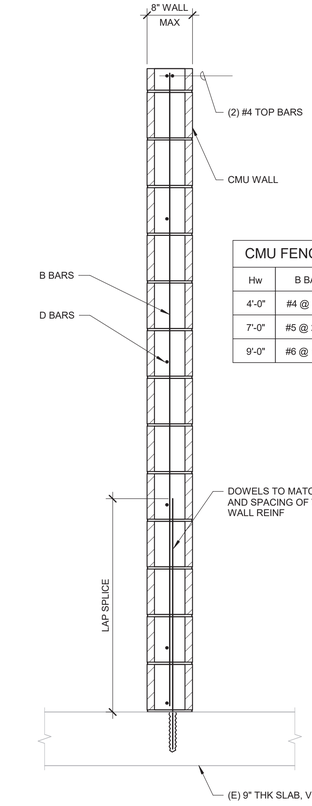
135° HOOK



90° HOOK

BAR SIZE	D'
#3	1 1/2"
#4	2"
#5	2 1/2"

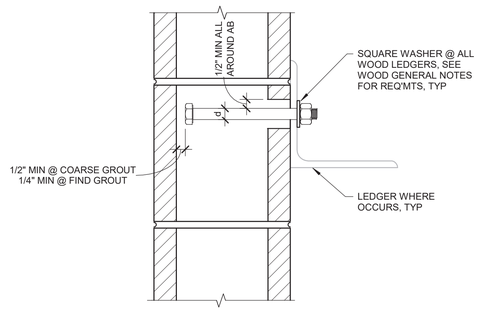
TIES



CMU FENCE WALL SCHEDULE			
Hw	B BARS	EMBED	D BARS
4'-0"	#4 @ 24" OC	4"	#4 @ 24"
7'-0"	#5 @ 24" OC	6"	#4 @ 24"
9'-0"	#6 @ 16" OC	7"	#4 @ 24"

6 CMU FENCE WALL DETAIL

SCALE : 1" = 1'-0"



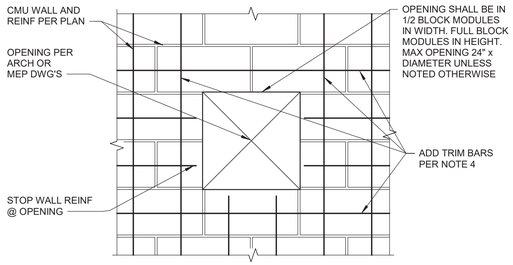
HEADED BOLT AB

NOTES:

1. CONTRACTOR TO VERIFY THAT ALL SPECIFIED AB EMBEDMENTS ARE DIMENSIONALLY POSSIBLE AND CONFIRM THAT HEADED BOLTS ARE USED IN LIEU OF BENT BAR AB IF REQUIRED.
2. REINF NOT SHOWN FOR CLARITY.

3 PLACEMENT OF AB IN CMU WALL

SCALE : 3" = 1'-0"

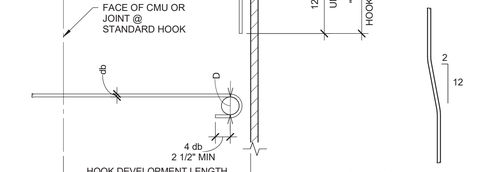


NOTES:

1. FOR OPENINGS SMALLER THAN 16", ADDITIONAL REINFORCING IS NOT REQD UNLESS DISTRIBUTED REINFORCEMENT IS INTERRUPTED.
2. SEE WALL ELEVATIONS OR PLANS FOR REINFORCEMENT AT LARGER OPENINGS.
3. CLUSTERS OF SMALL HOLES WHOSE OVERALL MEASUREMENT EXCEEDS 1'-0" SHOULD BE REINFORCED AS ONE OPENING.
4. TRIM BARS AT EA SIDE OF OPENING TO MATCH SIZE AND QUANTITY OF PRIMARY REINFORCEMENT BARS INTERRUPTED DUE TO OPENING, MIN (2) #5 EA SIDE.
5. ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE SEOR'S ATTENTION BY THE CONTRACTOR PRIOR TO PERFORMING WORK.

4 RECTANGULAR OPENING IN CMU WALL

SCALE : 1" = 1'-0"



TYPICAL COLUMN BAR OFFSET

BAR SIZE	f'm = 1500 psi DEVELOPMENT LENGTH (ld) OR LAP SPLICE LENGTH (ls)	f'm = 2500 psi DEVELOPMENT LENGTH (ld) OR LAP SPLICE LENGTH (ls)	HOOK DEVELOPMENT LENGTH (le)	D	l_n
3	1'-5"	1'-1"	0'-5"	2 1/4"	0'-5"
4	2'-5"	1'-11"	0'-7"	3"	0'-8"
5	3'-9"	2'-11"	0'-9"	3 3/4"	0'-10"
6	7'-1"	5'-6"	0'-10"	4 1/2"	1' - 0"
7	9'-7"	7'-5"	0'-12"	5 1/4"	1' - 2"
8	14'-5"	11'-2"	1'-1"	6"	1' - 4"
9	18'-3"	14'-2"	1'-3"	9 1/2"	1' - 7 1/2"

NOTES:

1. USE DEVELOPMENT LENGTH (ld) AND SPLICE LENGTH (ls) INDICATED IN SCHEDULE FOR ALL DOWEL LENGTHS NOT SHOWN ON PLANS UNLESS OTHERWISE PERMITTED BY THE SEOR AND JURISDICTION AGENCY.
2. DEVELOPMENT LENGTHS (ld) AND SPLICE LENGTHS (ls) INDICATED IN SCHEDULE CORRESPOND TO GRADE 60 BARS IN 1,500 OR 2,500 PSI NORMAL WEIGHT CMU.
3. THIS SCHEDULE SHALL BE USED WHERE DEVELOPMENT AND SPLICE LENGTHS ARE NOT SPECIFICALLY DETAILED AND DIMENSIONED ON THE DRAWINGS.
4. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED, SPLICE LENGTH SHALL BE THE SPLICE LENGTH OF THE SMALLER BAR.
5. NON-CONTACT LAP SPLICES SHALL NOT EXCEED THE SMALLER OF ONE-FIFTH THE SPLICE LENGTH OR 8".
6. NOTE THAT THE LAP SPLICES SHOWN ACCOUNT FOR THE INCREASE IN LAP SPLICE IN REGIONS OF MOMENT WHERE THE DESIGN TENSILE STRESSES IN THE REINFORCEMENT ARE GREATER THAN 80 PERCENT OF THE ALLOWABLE STEEL TENSION STRESS, Fs.
7. D = FINISHED INSIDE BEND DIAMETER.
8. db = NOMINAL BAR DIAMETER.

1 CMU -LAP SPLICES/DEVELOPMENT LENGTH SCHEDULE

SCALE : NTS

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REGISTERED PROFESSIONAL ENGINEER — MARK A. HERSHBERG — No. 5078 — STATE OF CALIFORNIA

GRUENASSOCIATES — ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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NO.	REVISIONS:	DATE:	BY:

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CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD — LIC. NO. C23665 — DATE: 11/08/201

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: CONCRETE TYPICAL DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.

S401-1A

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/5/2021 2:45:22 PM

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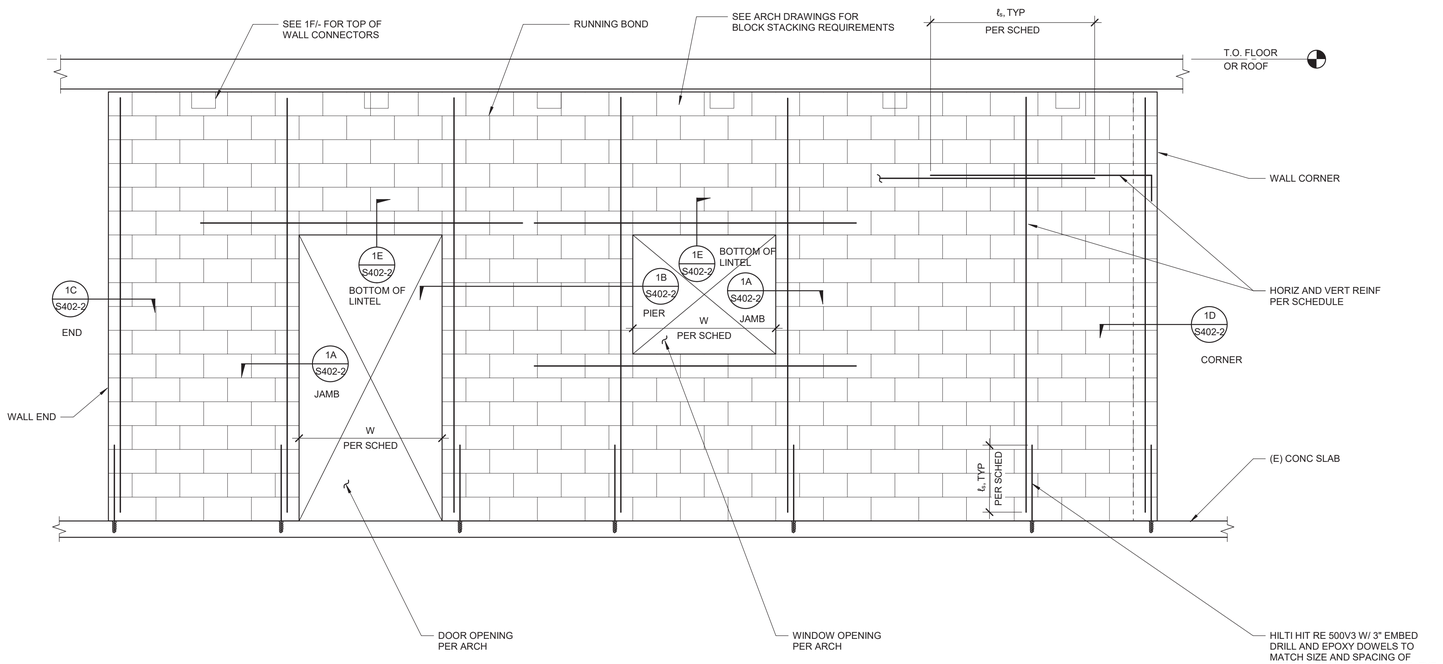
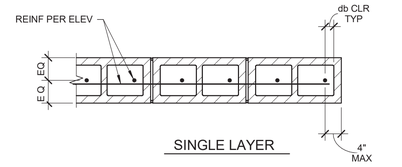
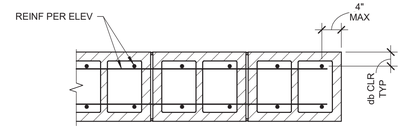


NON-BEARING MASONRY PARTITION WALL ELEVATION FULLY GROUTED

SCALE: 1/2"=1'-0"

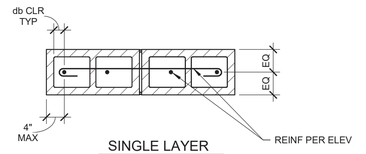


SINGLE LAYER



DOUBLE LAYER

1A JAMB DETAIL



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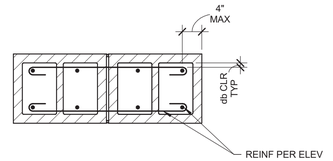
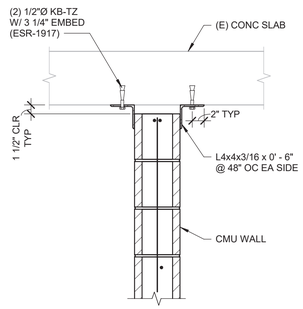
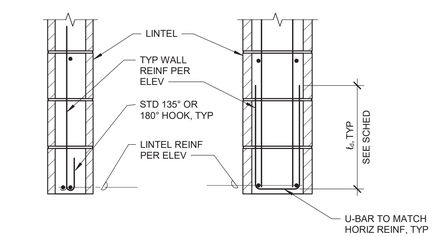


DOUBLE LAYER

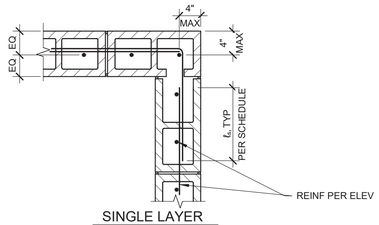


1F NON-BEARING CMU WALL TO CONCRETE SLAB

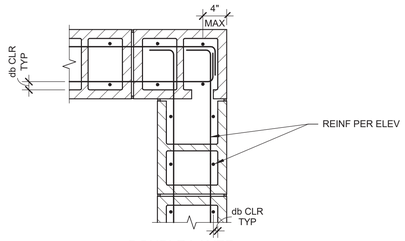


SINGLE LAYER DOUBLE LAYER

1E LINTEL AND TOP OF WALL

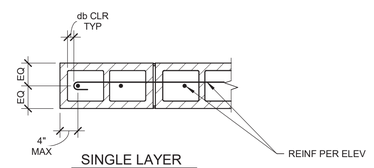


SINGLE LAYER



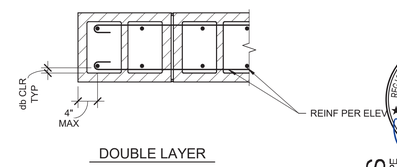
DOUBLE LAYER

1D CORNER DETAIL



SINGLE LAYER

1B PIER DETAIL



DOUBLE LAYER

1C WALL END DETAIL

LINTEL REINFORCEMENT SCHEDULE		
WALL THICKNESS	SPAN MAX W	BOTTOM BAR
8"	LESS THAN 4'-0"	(2) #X
	4'-1" - 6'-0"	(2) #X
	6'-1" - 8'-0"	(2) #X
	GRAETER THAN 8'-0"	(2) #X

TYPICAL NOTES:

1. ALL CELLS SHALL BE GROUTED SOLID, UNO.
2. WALL CONSTUCTION SHALL BE RUNNING BOND ONLY.
3. SEE ARCH PLANS FOR WALL FIRE-RATING TYPES AND LOCATIONS.
4. PROVIDE CMU LINTELS AT ALL CMU OPENINGS UNLESS NOTED OTHERWISE.
5. ALL MASONRY OPENINGS SHALL BE SHORED UNTILL MASONRY HAS CURED FOR A MINIMUM OF 72 HOURS.
6. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND PROPERLY SIZE ALL CMU WALL OPENINGS.
7. SEE GENERAL NOTES FOR MORE INFORMATION.

NON-BEARING CMU WALL REINF SCHEDULE					
WALL THICKNESS	BAR SIZE & SPACING			MAXIMUM HEIGHT	APPLICATION & NOTES
	HORIZ	VERT	REMARKS		
8"	#X @ X"	#X @ X"	SINGLE LAYER	0'-0" TO 11'-0"	NOT-REATED & 1-HOUR RATED FIRE PARTITION

CMU JAMB REINF SCHEDULE				
WALL THICKNESS	MAX WALL HEIGHT	MAX OPENING CLEAR SPAN	(BARS PER ROW) AND SIZE	ROWS REQUIRED
8"	11'-0"	8'-0"	(2) #4	2

1 NON-BEARING MASONRY PARTITION WALL ELEVATION FULLY GROUTED

SCALE : 1" = 1'-0"

BUREAU OF ENGINEERING — OFFICIAL RECORD

REGISTERED PROFESSIONAL ENGINEER — MARK A. HERSHBERG — No. 5078 — STATE OF CALIFORNIA — CIVIL

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INDEX NO. MF-300492

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE CONCRETE TYPICAL DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

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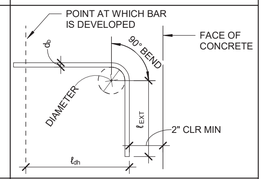
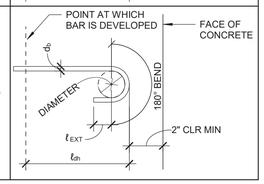
TYPE OF STANDARD HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER, IN	STRAIGHT EXTENSION [1] ℓ_{EXT}, IN	TYPE OF STANDARD HOOK
90-DEGREE HOOK	#3 THROUGH #8	$6d_b$	$12d_b$	
	#9 THROUGH #11	$8d_b$		
	#14 THROUGH #18	$10d_b$		
180-DEGREE HOOK	#3 THROUGH #8	$6d_b$	GREATER OF $4d_b$ AND 2.5 IN	
	#9 THROUGH #11	$8d_b$		
	#14 THROUGH #18	$10d_b$		

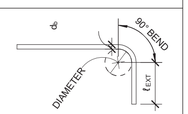
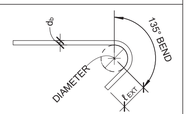
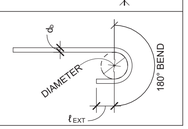
STANDARD HOOK DEVELOPMENT LENGTH "l_{dh}"								
			NORMAL WEIGHT			LIGHT WEIGHT		
BAR SIZE	D	"l_h"	3000	4000	5000	3000	4000	5000
#3	2 1/4"	5"	0'-9"	0'-8"	0'-7"	0'-11"	0'-10"	0'-9"
#4	3"	8"	0'-11"	0'-10"	0'-9"	1'-3"	1'-1"	1'-0"
#5	3 3/4"	10	1'-2"	1'-0"	0'-11"	1'-6"	1'-4"	1'-2"
#6	4 1/2"	12	1'-5"	1'-3"	1'-1"	1'-10"	1'-7"	1'-5"
#7	5 1/4"	1'-2"	1'-8"	1'-5"	1'-3"	2'-1"	1'-10"	1'-8"
#8	6"	1'-4"	1'-10"	1'-7"	1'-5"	2'-5"	2'-1"	1'-11"
#9	9 1/2"	1'-7 1/2"	2'-1"	1'-10"	1'-8"	2'-9"	2'-4"	2'-1"
#10	10 3/4"	1'-10"	2'-4"	2'-1"	1'-10"	3'-1"	2'-8"	2'-5"
#11	12"	2'-0 1/2"	2'-7"	2'-3"	2'-0"	3'-5"	2'-11"	2'-8"

NOTES:

1. ACI 318-14 TABLE 25.3.2.
2. ALL HOOKED BARS SHALL EXTEND AS FAR AS POSSIBLE WITH A MINIMUM 2" END COVER AND WITH EMBEDMENT NOT LESS THAN SHOWN ON THE SCHEDULE. UNO ON PLANS.

6 STANDARD HOOK DEVELOPMENT LENGTH BENDING DETAIL

SCALE : 1" = 1'-0"

TYPE OF STANDARD HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER, IN	STRAIGHT EXTENSION [1] ℓ_{EXT}, IN	TYPE OF STANDARD HOOK
90-DEGREE HOOK	#3 THROUGH #8	$4d_b$	GREATER OF $6d_b$ AND 3 IN	
	#6 THROUGH #8	$6d_b$	$12d_b$	
135-DEGREE HOOK	#3 THROUGH #5	$4d_b$	GREATER OF $4d_b$ AND 2.5 IN	
	#6 THROUGH #8	$6d_b$		
180-DEGREE HOOK	#3 THROUGH #5	$4d_b$	GREATER OF $4d_b$ AND 2.5 IN	
	#6 THROUGH #8	$6d_b$		

NOTE:

1. ACI 318-14 TABLE 25.3.2 STANDARD HOOK GEOMETRY-STIRUPS, TIE & HOOPS.

7 STANDARD HOOK DEVELOPMENT LENGTH BENDING DETAIL

SCALE : 1" = 1'-0"

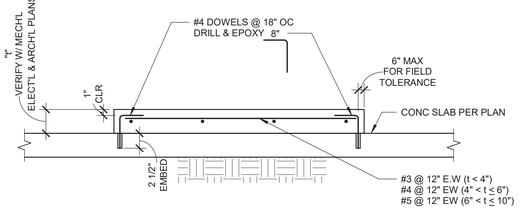
BAR SIZE	LAP CLASS	LIGHT WEIGHT CONCRETE f'c = 4,000 PSI			
		Top Bars		Other Bars	
		Case 1	Case 2	Case 1	Case 2
3	A	2'-1"	3'-1"	1'-7"	2'-5"
	B	2'-9"	4'-1"	2'-1"	3'-1"
4	A	2'-9"	4'-2"	2'-2"	3'-2"
	B	3'-7"	5'-5"	2'-9"	4'-2"
5	A	3'-6"	5'-2"	2'-8"	4'-0"
	B	4'-6"	6'-9"	3'-6"	5'-2"
6	A	4'-2"	6'-2"	3'-2"	4'-9"
	B	5'-5"	8'-1"	4'-2"	6'-2"
7	A	6'-0"	9'-0"	4'-8"	7'-0"
	B	7'-10"	11'-9"	6'-0"	9'-0"
8	A	6'-11"	10'-4"	5'-4"	7'-11"
	B	8'-11"	13'-5"	6'-11"	10'-4"
9	A	7'-9"	11'-8"	6'-0"	9'-0"
	B	10'-1"	15'-1"	7'-9"	11'-8"
10	A	8'-9"	13'-1"	6'-9"	10'-1"
	B	11'-4"	17'-0"	8'-9"	13'-1"
11	A	9'-8"	14'-6"	7'-6"	11'-2"
	B	12'-7"	18'-11"	9'-8"	14'-6"

NOTES:

1. CASES 1 AND 2 WHICH DEPEND ON CLEAR CONCRETE COVER AND THE CENTER-TO-CENTER SPACING OF THE BARS ARE DEFINED AS:
   CASE 1: COVER AT LEAST 1db AND CLEAR SPACING AT LEAST 2db.
   CASE 2: COVER LESS THAN db OR CLEAR SPACING LESS THAN 2db.
2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
3. OTHER BARS INCLUDED VERTICAL BARS AND HORIZONTAL BARS WITH LESS THAN 12 INCHES OF CONCRETE CAST BELOW HORIZONTAL BARS.
4. BAR SPLICES NOT COVERED BY THIS SCHEDULE ARE SPECIFICALLY DETAILED AND DIMENSIONED PER PLANS.
5. ALL SPLICES SHALL BE CLASS 'B' UNLESS OTHERWISE ON PLANS, OR STAGGERED PER 2B/ - .
6. FOR DEVELOPMENT LENGTH, Ld, USE CLASS 'A' LAP SPLICE LENGTH.

3 LAP SPLICE OF CONCRETE REINFORCING- LT WT CONCRETE

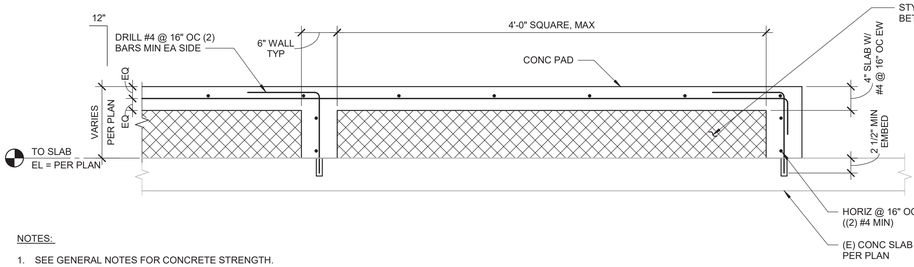
SCALE : 12" = 1'-0"



4A TYPICAL

4 PAD ON GRADE

SCALE : 1" = 1'-0"



PLAN -VIEW

NOTES:

1. SEE GENERAL NOTES FOR CONCRETE STRENGTH.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS.

5 ALTERNATE BUILT-UP SLAB DETAIL

SCALE : 1" = 1'-0"

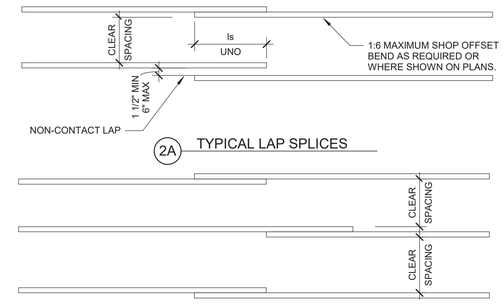
REBAR LAP SPLICE LENGTH SCHEDULE					
BAR SIZE	LAP CLASS	NORMAL WEIGHT CONCRETE f'c = 4000 psi			
		Top Bars		Other Bars	
		Case 1	Case 2	Case 1	Case 2
3	A	1'-7"	2'-4"	1'-3"	1'-10"
	B	2'-1"	3'-1"	1'-7"	2'-4"
4	A	2'-1"	3'-1"	1'-7"	2'-5"
	B	2'-9"	4'-1"	2'-1"	3'-1"
5	A	2'-7"	3'-11"	2'-0"	3'-0"
	B	3'-5"	5'-1"	2'-7"	3'-11"
6	A	3'-1"	4'-8"	2'-5"	3'-7"
	B	4'-1"	6'-1"	3'-1"	4'-8"
7	A	4'-6"	6'-9"	3'-6"	5'-3"
	B	5'-11"	8'-10"	4'-6"	6'-9"
8	A	5'-2"	7'-9"	4'-0"	6'-0"
	B	6'-9"	10'-1"	5'-2"	7'-9"
9	A	5'-10"	8'-9"	4'-6"	6'-9"
	B	7'-7"	11'-4"	5'-10"	8'-9"
10	A	6'-7"	9'-10"	5'-1"	7'-7"
	B	8'-6"	12'-9"	6'-7"	9'-10"
11	A	7'-3"	10'-11"	5'-7"	8'-5"
	B	9'-6"	14'-2"	7'-3"	10'-11"

NOTES:

1. CASES 1 AND 2 WHICH DEPEND ON CLEAR CONCRETE COVER AND THE CENTER-TO-CENTER SPACING OF THE BARS ARE DEFINED AS:
   CASE 1: COVER AT LEAST 1db AND CLEAR SPACING AT LEAST 2db.
   CASE 2: COVER LESS THAN 1db OR CLEAR SPACING LESS THAN 2db.
2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
3. OTHER BARS INCLUDE VERTICAL BARS AND HORIZONTAL BARS WITH LESS THAN 12 INCHES OF CONCRETE CAST BELOW HORIZONTAL BARS.
4. BAR SPLICES NOT COVERED BY THIS SCHEDULE ARE SPECIFICALLY DETAILED AND DIMENSIONED PER PLANS.
5. ALL SPLICES SHALL BE CLASS 'B' UNLESS OTHERWISE ON PLANS.
6. FOR DEVELOPMENT LENGTH, Ld, USE CLASS 'A' LAP SPLICE LENGTH.
7. THIS SCHEDULE IS FOR GR 60 REINFORCEMENT.
8. FOR STAGGERED SPLICES, CLEAR SPACING SHOWN IN DIAGRAM MAY BE USED TO DETERMINE CASE 1 OR CASE 2 PER NOTE 1

1 DEVELOPMENT AND LAP SPLICE OF CONCRETE REINFORCEMENT BARS- NW CONCRETE

SCALE : 12" = 1'-0"



2A TYPICAL LAP SPLICES

2B STAGGERED SPLICING

NOTES:

1. CASES 1 AND 2 WHICH DEPEND ON CLEAR CONCRETE COVER AND THE CENTER-TO-CENTER SPACING OF THE BARS ARE DEFINED AS:
   CASE 1: COVER AT LEAST 1db AND CLEAR SPACING AT LEAST 2db.
   CASE 2: COVER LESS THAN 1db OR CLEAR SPACING LESS THAN 2db.
2. FOR STAGGERED SPLICES, CLEAR SPACING SHOWN IN DIAGRAM MAY BE USED TO DETERMINE CASE 1 OR CASE 2 PER NOTE 1.

2 TYPICAL LAP SPLICES

SCALE : 1" = 1'-0"

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BUILDING NO.

INDEX NO. **MF-300492**

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CONCRETE TYPICAL DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **S501-1A**

SHEET OF SHEETS

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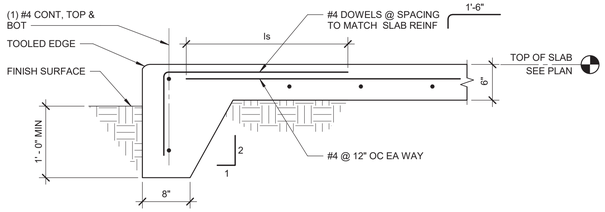
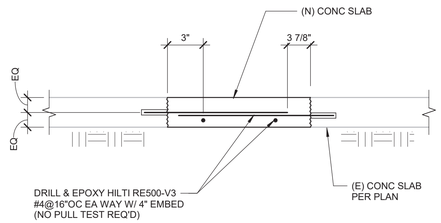


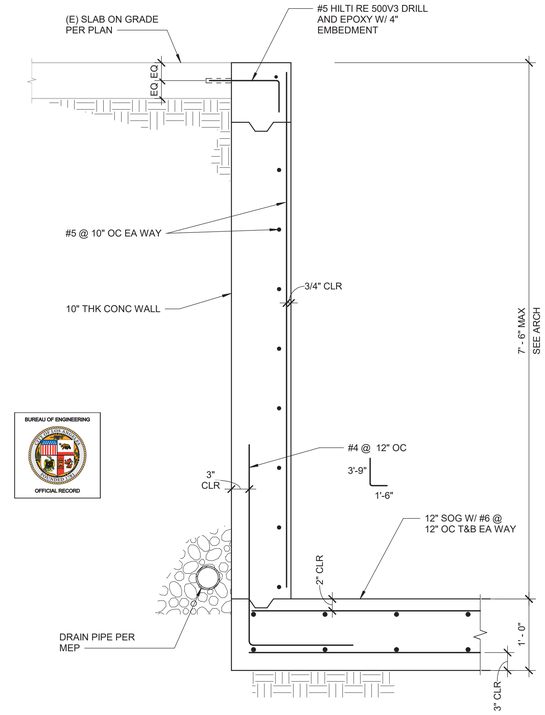
6 EDGE OF SLAB ON GRADE

SCALE : 1" = 1'-0"



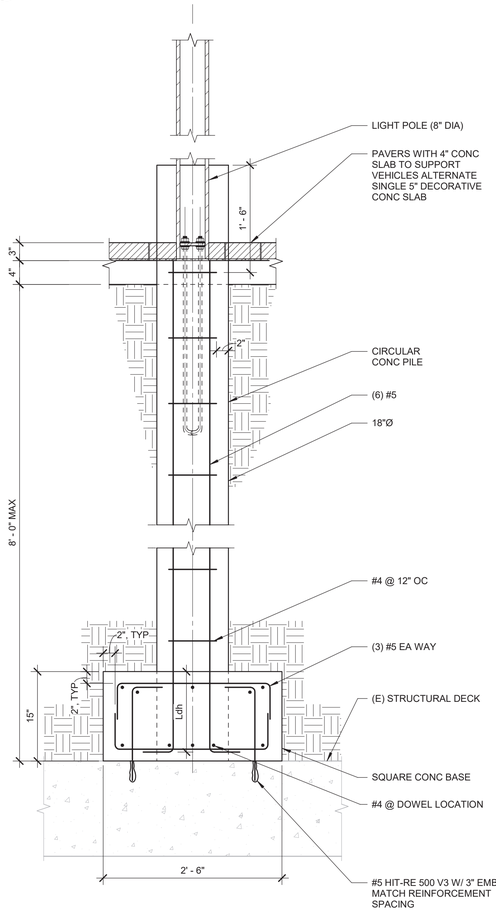
4 SLAB ON GRADE REPAIR DETAIL

SCALE : 1" = 1'-0"



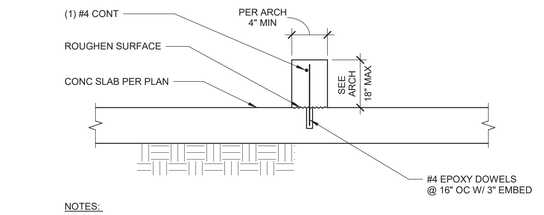
1 ELEVATOR PIT DETAIL

SCALE : 1" = 1'-0"



5 LIGHT POST PER DETAIL - PLAZA

SCALE : 1" = 1'-0"

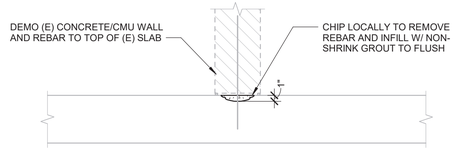


NOTES:

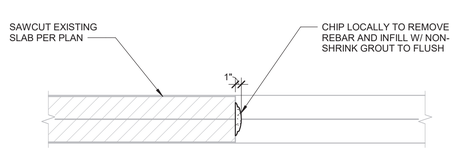
1. SEE GENERAL NOTES FOR EPOXY.
2. USE NON-DESTRUCTIVE METHODS TO LOCATE EXISTING REINFORCING BARS. DO NOT CUT EXISTING REINFORCING BARS WHICH MAY CONFLICT WITH ANCHOR LOCATION.
3. FOR LARGER CURBS / SITE WALLS REFER TO ARCH DRAWINGS FOR REINF INFORMATION.

2 EPOXY DOWELED CONCRETE CURB

SCALE : 1" = 1'-0"



VERTICAL CONC / CMU DEMO



HORIZONTAL SLAB DEMO

3 CONCRETE DEMO DETAILS AT REBAR

SCALE : 1" = 1'-0"

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
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DRAWN BY: NG
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APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CONCRETE TYPICAL DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

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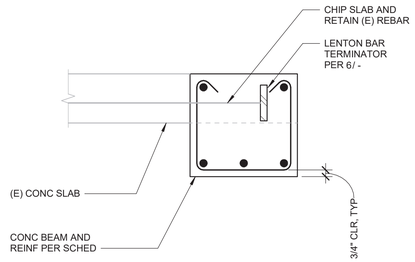
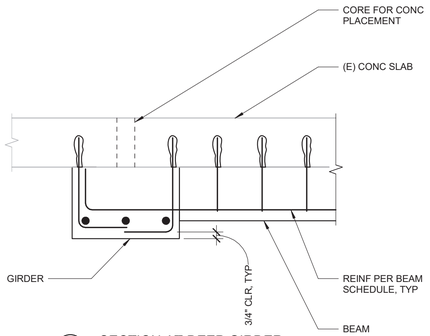
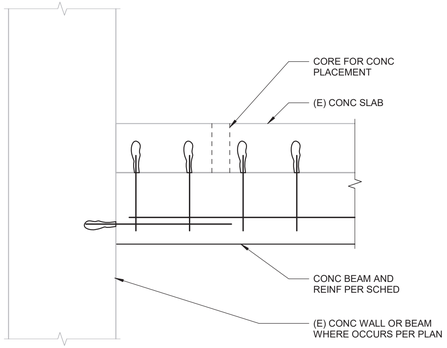


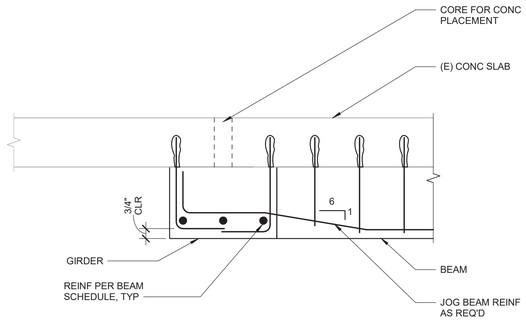


3A SECTION AT DEEP GIRDER

4 CONCRETE BEAM AT SLAB OPENING

SCALE : 1 1/2" = 1'-0"





3B SECTION AT MATCHING GIRDER

MARK	SIZE WIDTH	SIZE DEPTH BELOW SLAB, UNO	CONN INFO	FACE OF SUPPORT (WEST/SOUTH)	FACE OF SUPPORT (EAST/NORTH)	CONN INFO	STIRRUPS/TIES	BEAM DETAIL
B-1	20"	14" (TOTAL)	2/S511-1A	(2) #7 HILTI RE-500V3 W/ 6"EMBED, 24", TYP	(2) #7	3/S511-1A SIM	#4 @ 18" OC	4/ -
B-2	12"	7"	2/S510-1A OR 3/ -	(2) #7 HILTI RE-500V3 W/ 6" EMBED, 24" TYP	(2) #7 (2) #7 HILTI RE-500V3 W/ 6" EMBED	2/S510-1A , 5/- SIM OR 3/ -	#4 @ 18" OC	2/ -
B-2b	12"	16" (TOTAL)	1/S511-1A	(2) #7 HILTI RE-500V3 W/ 6" EMBED, 24" TYP	24" (2) #7 (2) #7 HILTI RE-500V3 W/ 6" EMBED	1/S511-1A	#4 @ 12" OC	1/S511-1A
B-2c	12"	16" (TOTAL)	2C/S510-1A , SIM	(2) #7 HILTI RE-500V3 W/ 6" EMBED, 24" TYP	(2) #7 (2) #7 HILTI RE-500V3 W/ 6" EMBED	2C/S510-1A, SIM	#4 @ 18" OC	4/S510-1A
B-3	12"	5"	3/ -	(2) #5		3/ -	#4 @ 18" OC	2/ -
B-4	12"	8"	2/S510-1A OR 3/ -	(2) #6 HILTI RE-500V3 W/ 6" EMBED, 24" TYP	(2) #6 (2) #6 HILTI RE-500V3 W/ 6" EMBED	2/S510-1A OR 3/ -	#4 @ 18" OC	2/ -
B-5	16"	6"	5/ -	(2) #7 HILTI RE-500V3 W/ 6" EMBED, 24"	(2) #7	3/ -	#4 @ 18" OC	2/ -
B-6	12"	6"	3/ -	(2) #6		3/ -	#4 @ 18" OC	2/ -
B-7	16"	8"	5/ -	(3) #7 HILTI RE-500V3 W/ 6" EMBED, 24"	(3) #7	3/ -	#4 @ 12" OC	2/ -
B-8	12"	14" (TOTAL)	1/S511-1A	(2) #7 HILTI RE-500V3 W/ 6" EMBED, 24" TYP	24" (2) #7 (2) #7 HILTI RE-500V3 W/ 6" EMBED	1/S511-1A	#4 @ 12" OC	1/S511-1A
B-9	18"	27" (TOTAL)	3/S511-1A, SIM	(2) #9 HILTI RE-500V3 W/ 6" EMBED	(2) #7 (4) #9 (2) #9 HILTI RE-500V3 W/ 6" EMBED	3/S511-1A, SIM	#4 @ 18" OC	7/S510-1A
B-10	18"	27" (TOTAL)	2/S512-1A	(2) #8 HILTI RE-500V3 W/ 6" EMBED, 24" TYP	(2) #9 (2) #8 (2) #8 HILTI RE-500V3 W/ 6" EMBED	2/S512-1A	#4 @ 18" OC	4/S510-1A
B-11	18"	27" (TOTAL)	3/S511-1A, SIM	(4) #9 HILTI RE-500V3 W/ 18" EMBED	(4) #9 (3) #9	3/S511-1A, SIM	#4 @ 8" OC	4/S510-1A
B-12	18"	27" (TOTAL)	2/S512-1A	(4) #7 HILTI RE-500V3 W/ 6" EMBED, 24" TYP	(4) #9 (4) #7 (4) #7 HILTI RE-500V3 W/ 6" EMBED	3/S512-1A	#4 @ 10" OC OR PER ELEVATION	4/S510-1A

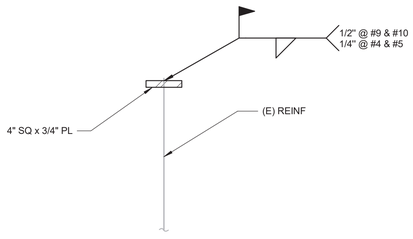
1 CONCRETE BEAM SCHEDULE

SCALE : 1" = 1'-0"



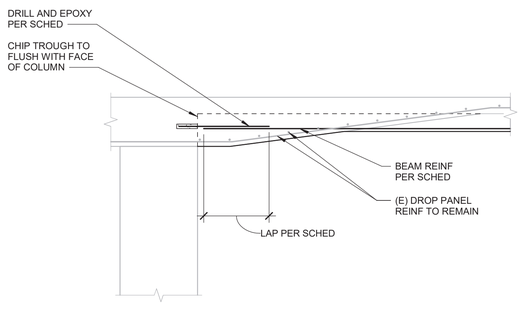
5 CONCRETE BEAM AT WALL

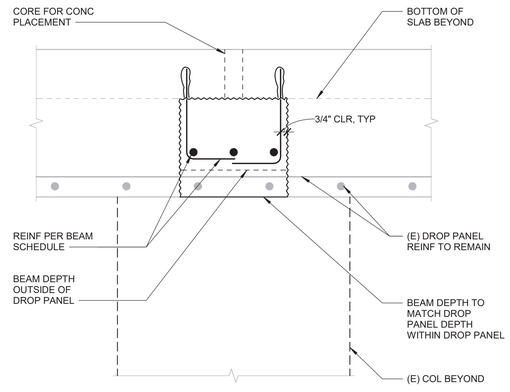
SCALE : 1 1/2" = 1'-0"

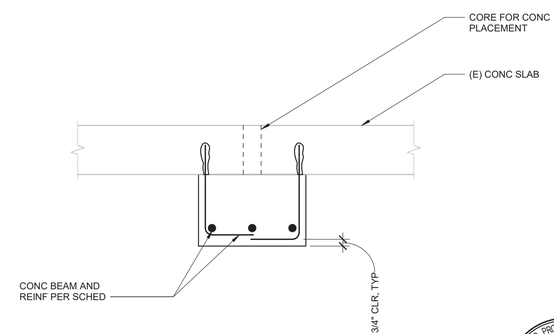


3 BEAM INTERSECTION DETAILS

SCALE : 1" = 1'-0"

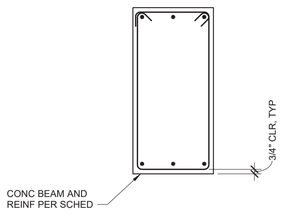






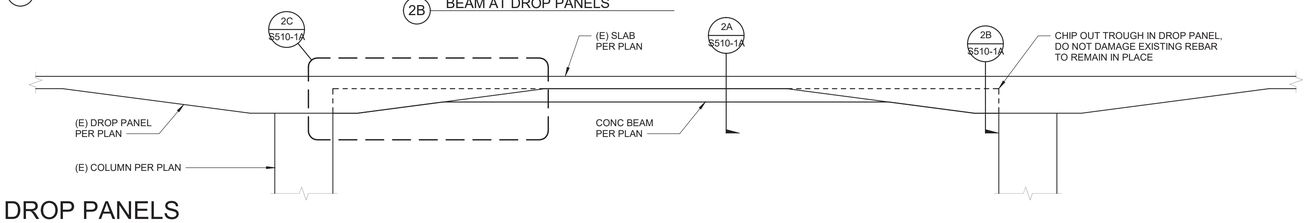
6 TERMINATOR DETAIL

SCALE : 1 1/2" = 1'-0"



2C SECTION

2B BEAM AT DROP PANELS



2A BEAM BETWEEN DROP PANELS

7 NEW BEAM SECTION

SCALE : 1" = 1'-0"

2 CONCRETE BEAM AT DROP PANELS

SCALE : 3/8" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
MARK K. HERSHBERG
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GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 11/08/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 12/16/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CONCRETE BEAM DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S510-1A

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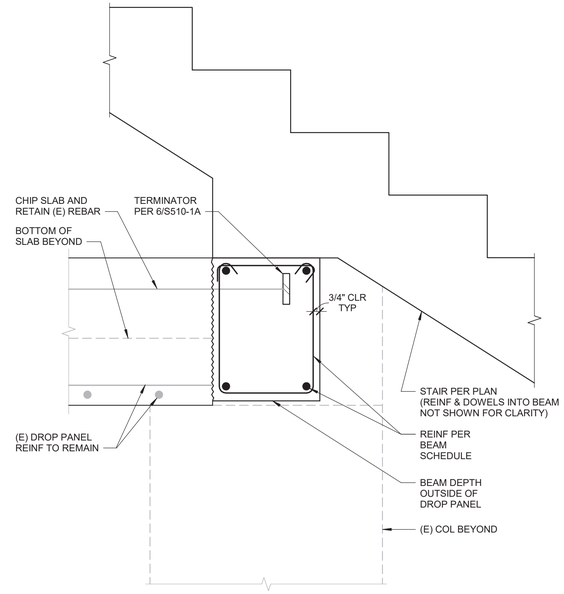
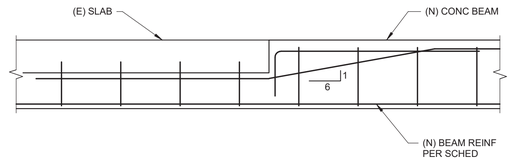
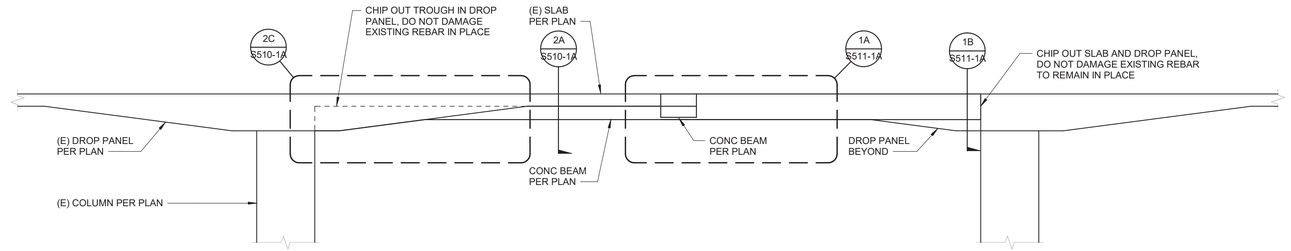




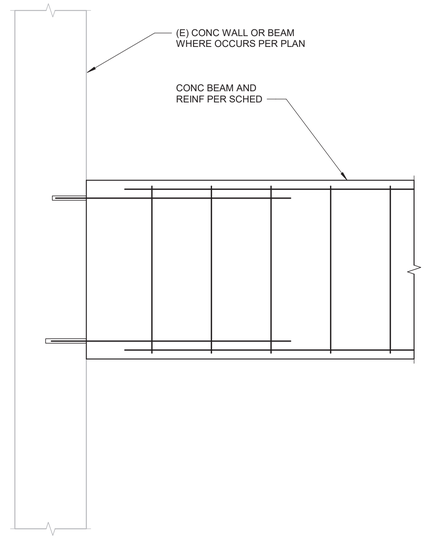
1A SECTION

1B BEAM AT DROP PANELS



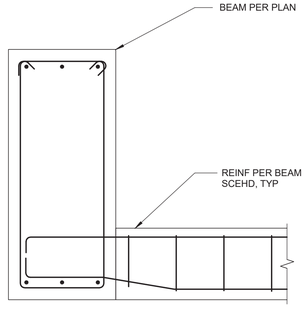
1 CONCRETE BEAM AT DROP PANELS

SCALE : 3/8" = 1'-0"



2 CONC BEAM AT WALL

SCALE : 1" = 1'-0"



3 NEW CONC BEAM INTERSECTION

SCALE : 1" = 1'-0"

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DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

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HORIZONTAL CONTROL:

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PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
S511-1A

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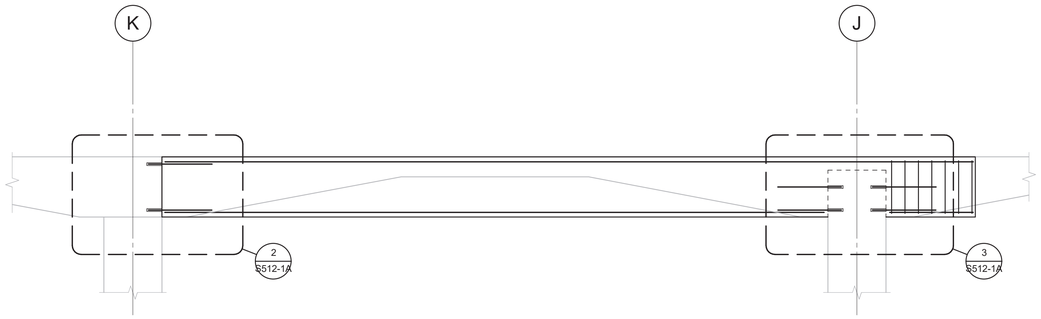
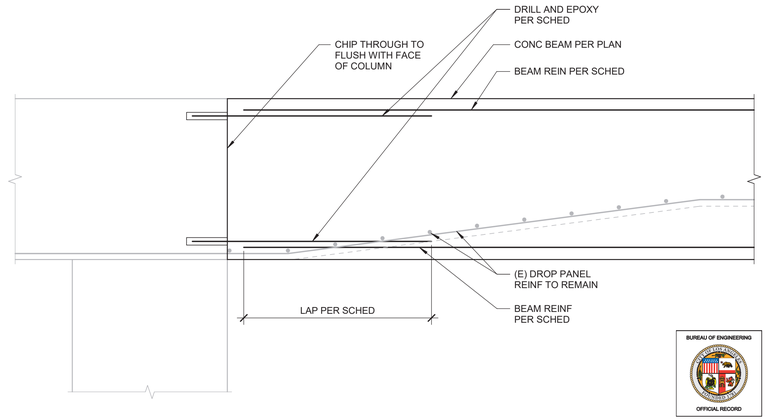


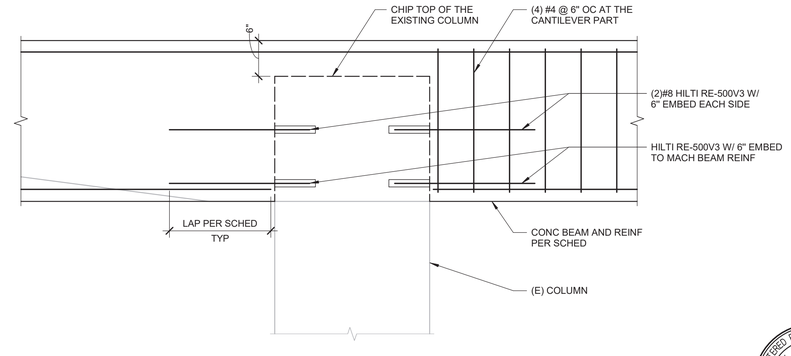
1 ELEVATION FOR B-12

SCALE : 3/8" = 1'-0"



2 BEAM END CONNCETION DETAIL

SCALE : 1" = 1'-0"



3 BEAM END CONNECTION DETAIL

SCALE : 1" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
No. 5078
STATE OF CALIFORNIA

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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. **MF-300492**

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CONCRETE BEAM DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **S512-1A**

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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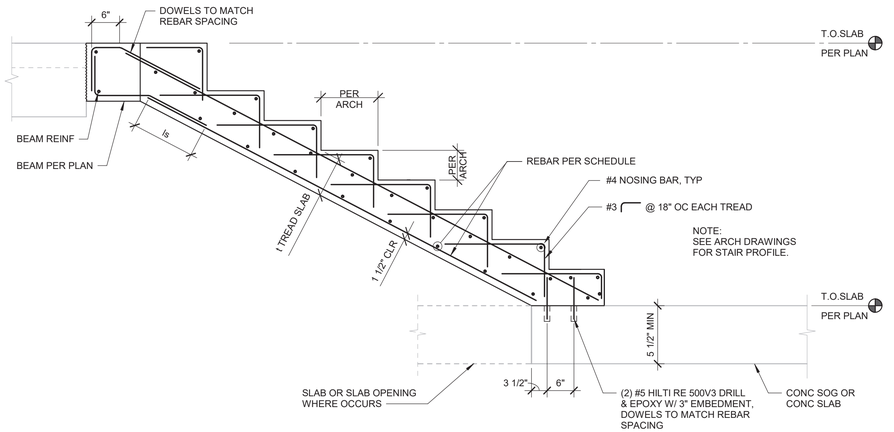
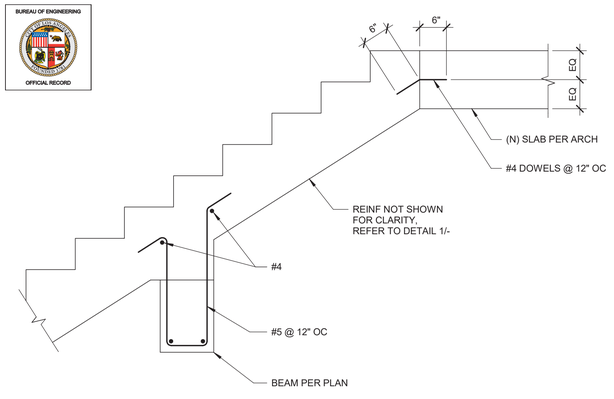


STAIR TYPE	LANDING				
	WIDTH	HORIZONTAL LENGTH OF STRINGER	t	REINFORCEMENT (EA WAY)	LEVEL
STRINGER SPANS BETWEEN SLABS, NO WALL SUPPORT	8'-0" MAX	16' - 0" MAX	9"	#6 @ 12" OC T&B	P2 & P3
STRINGER SPANS BETWEEN SLABS, NO WALL SUPPORT	8'-0" MAX	21'- 6" MAX	13"	#6 @ 10" OC T&B	P1

1 STAIR SECTION

SCALE : 3/4" = 1'-0"



2 GROUND FLOOR STAIR TOP CONNECTION

SCALE : 3/4" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
MARK A. HERSHBERG
No. 5078
STATE OF CALIFORNIA

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CITY OF LOS ANGELES

REVISIONS: NO. | DATE | BY:

BUILDING NO.

INDEX NO. **MF-300492**

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201
DATE: 12/16/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: CONCRETE STAIR DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S520-1A

SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

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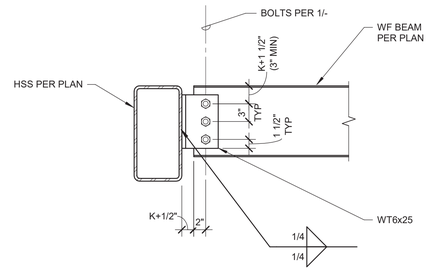
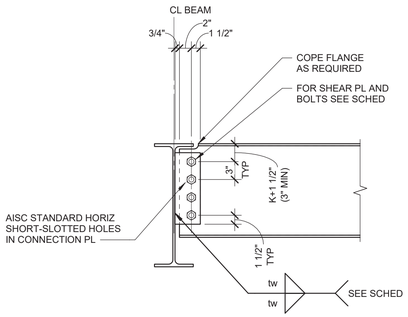
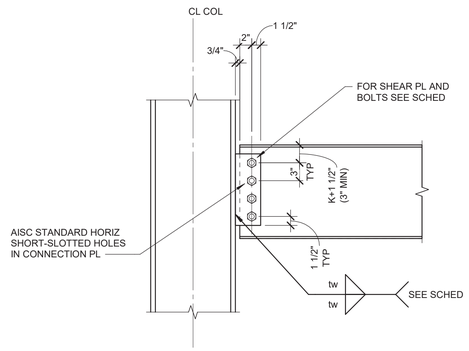


5 WF BEAM TO HSS BEAM CONN

SCALE : 1" = 1'-0"



1C BEAM TO BEAM

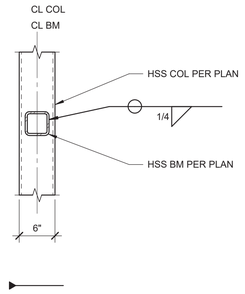


1A BEAM TO WF COLUMN FLANGE

STANDARD BOLTED CONNECTION SCHEDULE			
BEAM SIZE	NO & SIZE OF BOLTS REQUIRED	PLATE THICKNESS	WELD SIZE (tw)
W8 C8	(2) 7/8"Ø	1/4"	3/16"
W10 C10	(2) 7/8"Ø	1/4"	3/16"
W12 C12	(3) 7/8"Ø	1/4"	3/16"
W14	(3) 7/8"Ø	1/4"	3/16"
W16	(4) 7/8"Ø	3/8"	1/4"
W18	(4) 7/8"Ø	3/8"	1/4"
W21	(5) 7/8"Ø	3/8"	1/4"
W24	(6) 7/8"Ø	3/8"	1/4"
W27	(7) 7/8"Ø	3/8"	1/4"
W30	(8) 7/8"Ø	3/8"	1/4"
W33	(9) 7/8"Ø	3/8"	1/4"
W36	(10) 7/8"Ø	3/8"	1/4"
W40	(11) 7/8"Ø	3/8"	1/4"

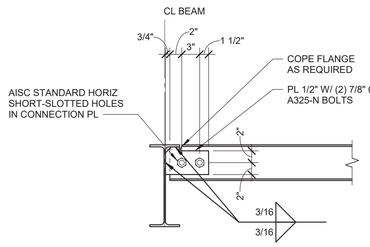
CONNECTION NOTES:

1. ALL BOLTS TO BE ASTM A325-N.
2. BOLTS SHALL BE TIGHTENED TO AISC "SNUG TIGHT" CONDITION UNLESS NOTED OTHERWISE.
3. CONNECTION PLATES TO HAVE AISC STANDARD HORIZONTAL SHORT SLOTTED HOLES UNLESS NOTED OTHERWISE.
4. USE A572 GR 50 STEEL FOR SHEAR TABS.
5. [X] [SC] SHOWN ON PLANS INDICATES NUMBER OF BOLTS ENQUIRED IF DIFFERENT FROM ABOVE. FOR NUMBER OF BOLTS EXCEEDING ABOVE SCHEDULE SEE DETAIL
6. K" PER AISC, LARGER OF THE TWO CONNECTING BEAMS FOR DETAILS
7. REFER TO X/SXXX FOR SHEAR TAB WELD @ SKEW CONDITION.
8. * USE AISC STANDARD HORIZ SHORT-SLOTTED HOLES IN CONNECTION PLATE.
9. WHERE CROSS BEAMS OCCUR, USE FULL HEIGHT STIFFENER OF THE THICKNESS REQD FOR THE CROSS BEAM CONNECTION IN LIEU OF THE 1/4" STIFFENER.

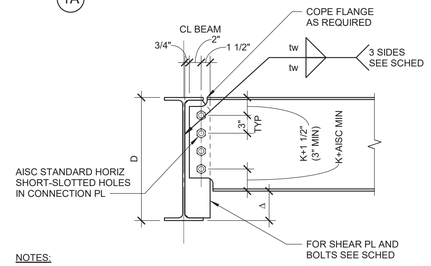


6 HSS MOMENT CONN

SCALE : 1" = 1'-0"



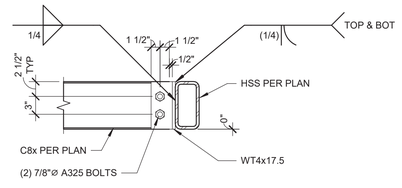
1D W6 OR C6 CONNECTION



NOTES:

1. PROVIDE FULL HEIGHT STIFFENER PL WHERE INDICATED ON PLANS
2. WHEN Δ > 0.15D USE DETAIL

1B BEAM TO BEAM W/ FULL-HT STIFF PLATE

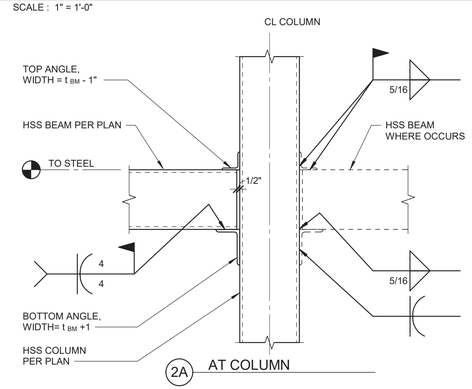


7 C-CHANNEL TO HSS CONN

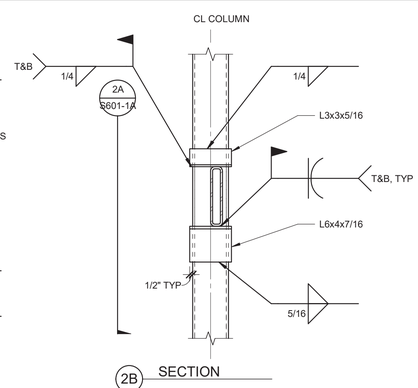
SCALE : 1" = 1'-0"

1 STANDARD BOLTED BEAM CONNECTION DETAILS

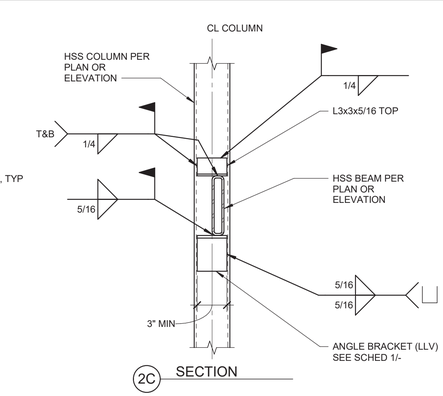
SCALE : 1" = 1'-0"



2A AT COLUMN



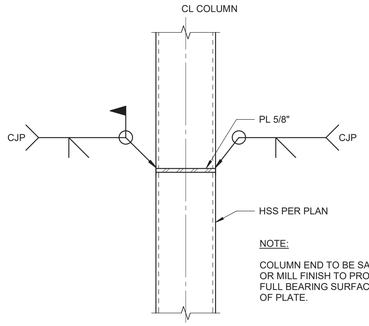
2B SECTION



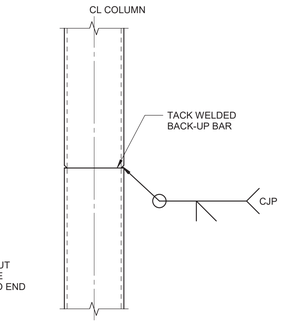
2C SECTION

2 HSS BEAM TO HSS COLUMN CONNECTION

SCALE : 1" = 1'-0"



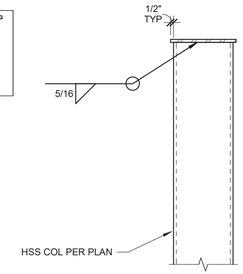
4B SPLICE OPTION 2



4A SPLICE OPTION 1

4 RECTANGULAR HSS COLUMN SPLICE

SCALE : 1" = 1'-0"



3 HSS COLUMN CAP PLATE

SCALE : 1" = 1'-0"

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CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. MF-300492

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DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 12/16/2021
ARCHITECTURAL DIVISION
LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/201

SHEET TITLE: STEEL TYPICAL DETAILS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. S601-1A
SHEET OF SHEETS

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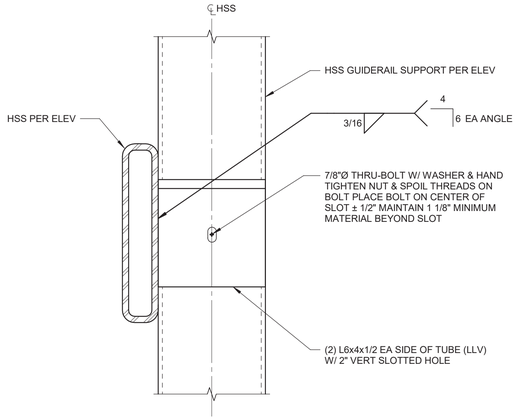
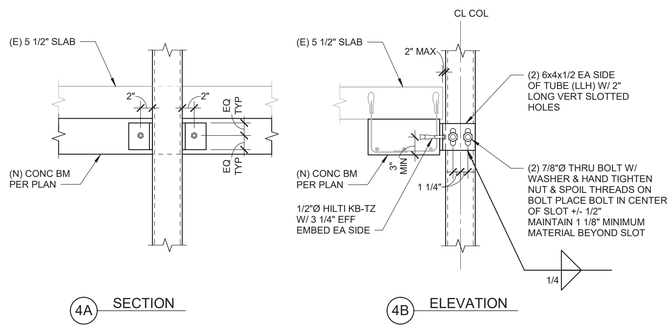


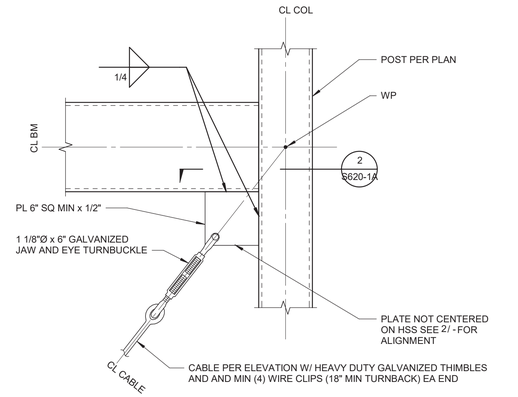
7 GUIDERAIL SUPPORT CONN AT HSS BM

SCALE : 3" = 1'-0"



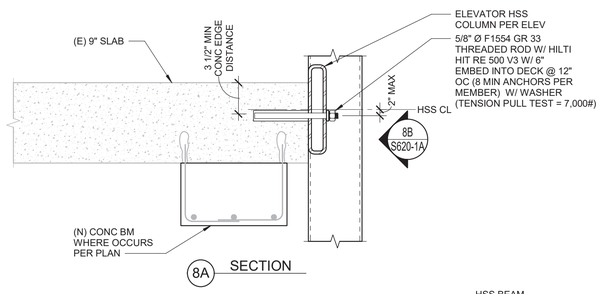
4 OCBF COL TO EDGE OF SLAB CONN

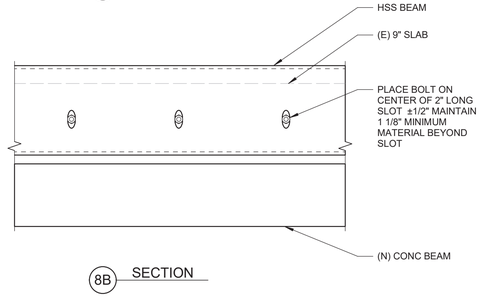
SCALE : 1" = 1'-0"



1 CABLE BRACE CONNECTION DETAIL

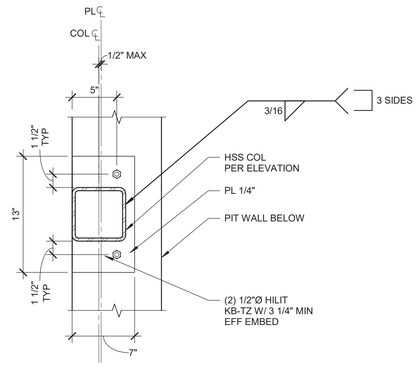
SCALE : 1 1/2" = 1'-0"





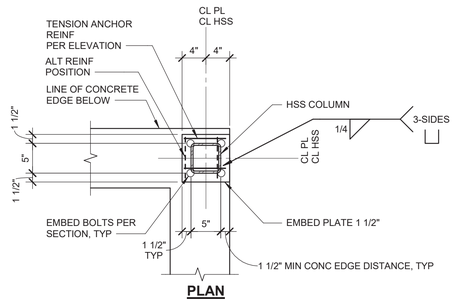
8 OCBF HSS COLUMN CONN TO GROUND FLOOR B2 BEAMS

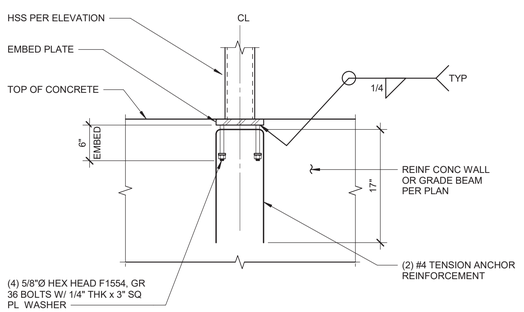
SCALE : 1 1/2" = 1'-0"



5 HSS GUIDERAIL BOTTOM CONN

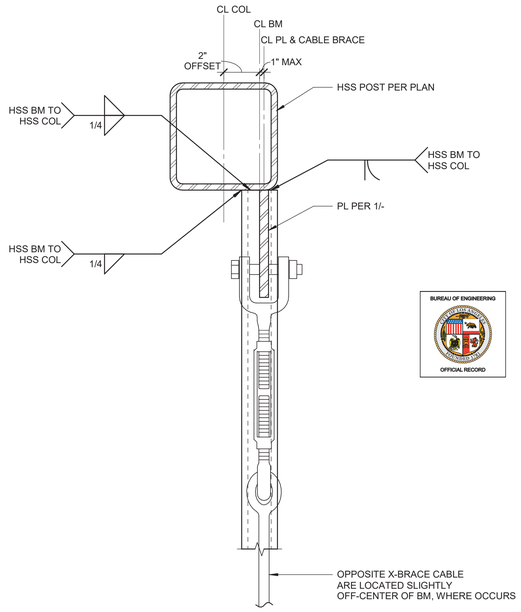
SCALE : 1 1/2" = 1'-0"





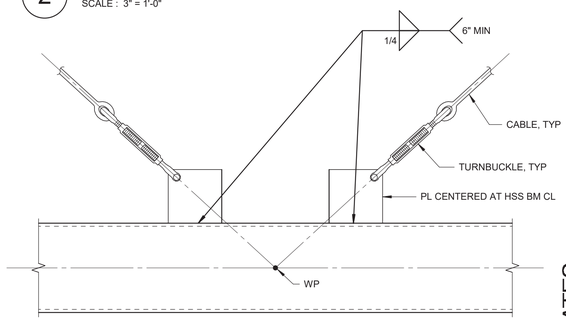
6 OCBF HSS COLUMN BASE PLATE DETAIL

SCALE : 1" = 1'-0"



2 HSS CONN AT CABLE BRACE

SCALE : 3" = 1'-0"



NOTE:

REFER TO DETAIL 1/ - FOR BALANCE OF INFORMATION

3 CABLE BRACE CONN TO HSS BM

SCALE : 1 1/2" = 1'-0"

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REVISION DATE : 11/5/2021 2:45:39 PM

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BUILDING NO.

INDEX NO. MF-300492

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

OFFICIAL RECORD

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION LIC. NO. C23665

ARCHITECT: DEBRA GEROD

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

REGISTERED PROFESSIONAL ENGINEER MARK A. HERSHBERG No. 5078 STATE OF CALIFORNIA

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WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S620-1A

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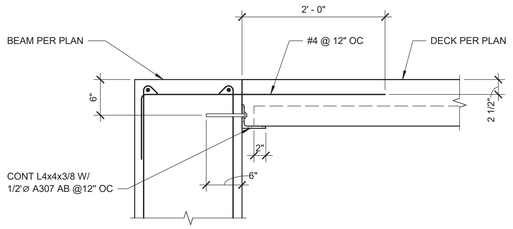
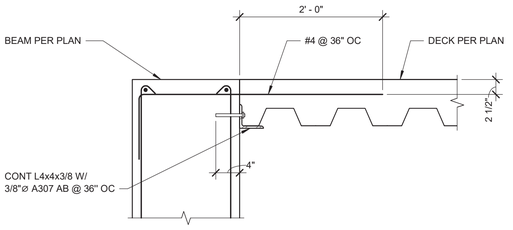


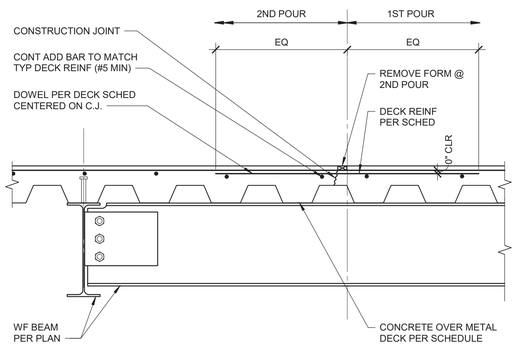
DECK SUPPORT AT PERPENDICULAR DECK FLUTES - GROUND LEVEL

8 SCALE : 1" = 1'-0"

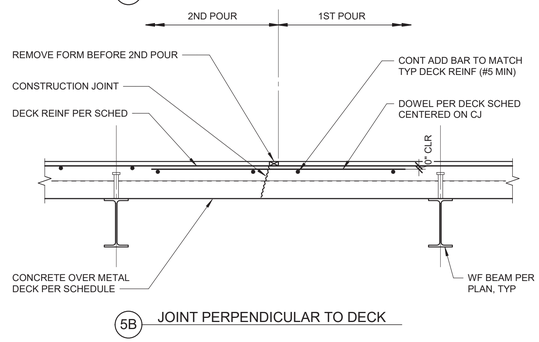


DECK SUPPORT AT PARALLEL DECK FLUTES - GROUND LEVEL

9 SCALE : 1" = 1'-0"



5A JOINT PARALLEL TO DECK

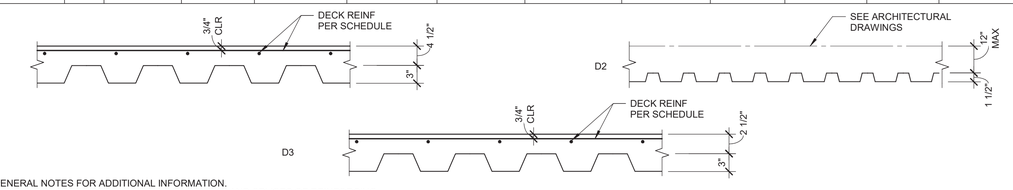


5B JOINT PERPENDICULAR TO DECK

CONSTRUCTION JOINT FOR SLAB

5 SCALE : 1" = 1'-0"

MARK	STEEL DECK TYPE	GAGE	TOTAL THICKNESS (t)	CONCRETE TYPE	REINFORCING	REINFORCING				MAX UNSHORED SPAN			ADDITIONAL DOWEL AT CONSTRUCTION JOINT PER DETAIL
						END	INTERMEDIATE	SEAM	MARGINAL	SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN	
D1	W3 FORMLOK (LARR 23789)	16	8"	f'c = 4000 PSI NWT	#4 @ 12" OC, EW	3/4"Ø PUDDLE WELD @ 12" OC	3/4"Ø PUDDLE WELD @ 12" OC	BUTTON PUNCH @ 36" OC	3/4"Ø PUDDLE WELD @ 12" OC	-	-	-	-
D2	PLB (LARR 23789)	18	-	-	-	(4) 1/2"Ø WELDS PER SHEET	(4) 1/2"Ø WELDS PER SHEET	TOP SEAM WELD @ 12" OC	(4) 1/2"Ø WELDS PER SHEET	-	-	-	-
D3	W3 FORMLOCK (LARR 23789)	18	5 1/2"	f'c = 3000 PSI NWT	#4 @ 12" OC, EW	3/4"Ø PUDDLE WELD @ 12" OC	3/4"Ø PUDDLE WELD @ 12" OC	BUTTON PUNCH @ 36" OC	3/4"Ø PUDDLE WELD @ 12" OC	-	-	-	-

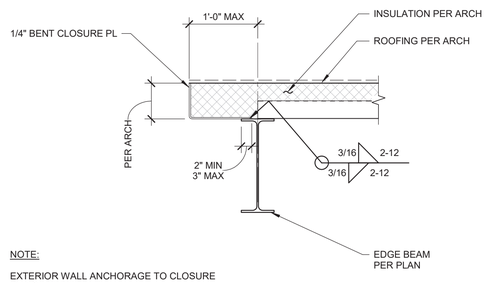


NOTES:

1. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
2. SEE TYPICAL CONCRETE DETAILS FOR DEVELOPMENT AND SPLICES OF REINFORCING.
3. SPACING OF DECK SEAM CONNECTING FOR CONCRETE FILLED METAL DECKS SHALL BE REDUCED AS REQUIRED TO PREVENT FAILURE OF CONNECTIONS AS DETERMINED BY DECK MANUFACTURER.

STEEL DECK SCHEDULE

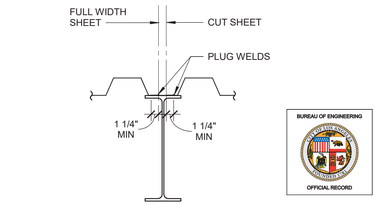
1 SCALE : 1" = 1'-0"



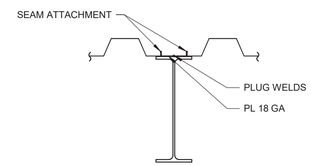
NOTE:

EXTERIOR WALL ANCHORAGE TO CLOSURE PL NOT PERMITTED.

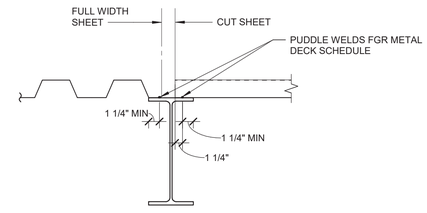
4A DECK PERPENDICULAR TO BEAM



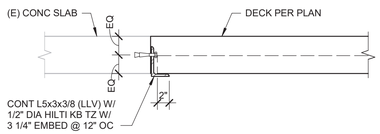
2A DETAIL



2B ALTERNATE DETAIL

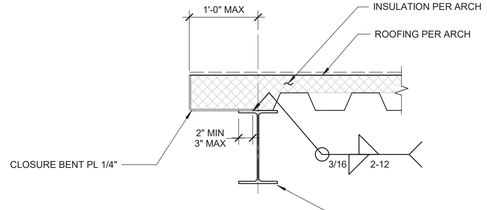


2C DECK PARALLEL AND PERPENDICULAR



DECK SUPPORT AT PERPENDICULAR DECK FLUTES - LOWER LEVELS

6 SCALE : 1" = 1'-0"



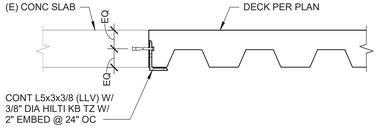
NOTE:

EXTERIOR WALL ANCHORAGE TO CLOSURE PL NOT PERMITTED.

4B DECK PARALLEL TO BEAM

EDGE OF BARE METAL DECK

4 SCALE : 1" = 1'-0"



DECK SUPPORT AT PARALLEL DECK FLUTES - LOWER LEVELS

7 SCALE : 1" = 1'-0"

DECK ALIGNMENT BEARING DETAIL

2 SCALE : 1" = 1'-0"

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MARK A. HERSHBERG
No. 5078
STRUCTURAL
STATE OF CALIFORNIA

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CITY OF LOS ANGELES

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: TYPICAL STEEL DECK DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S650-1A

SHEET OF SHEETS

PLOTTED: 11/5/2021 2:45:41 PM

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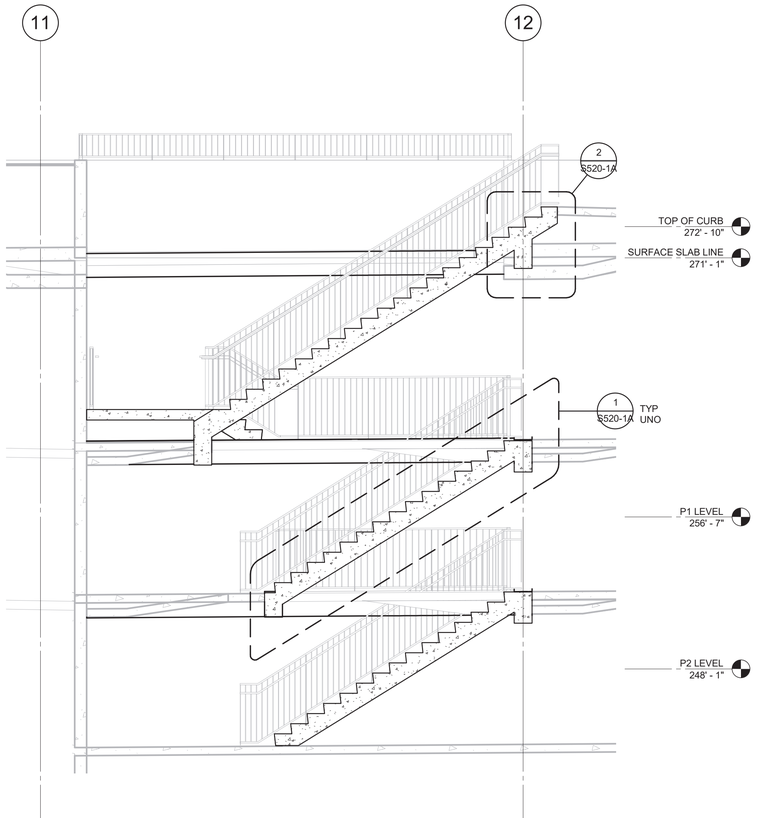
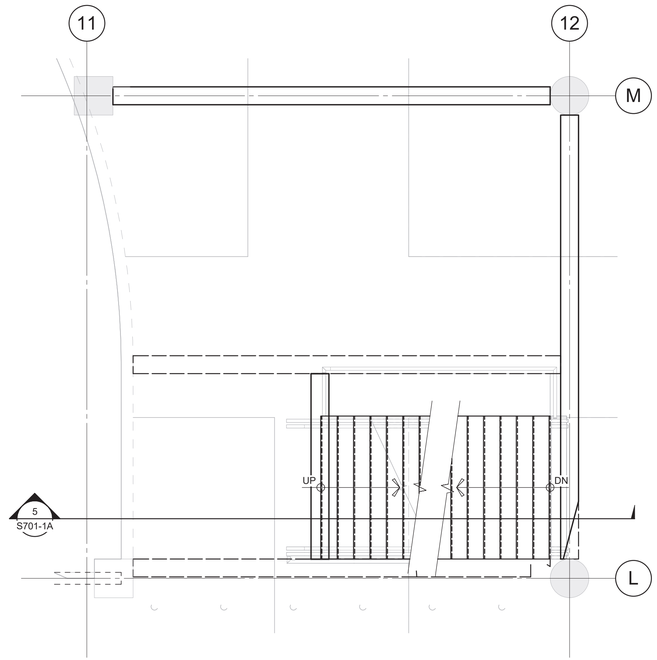


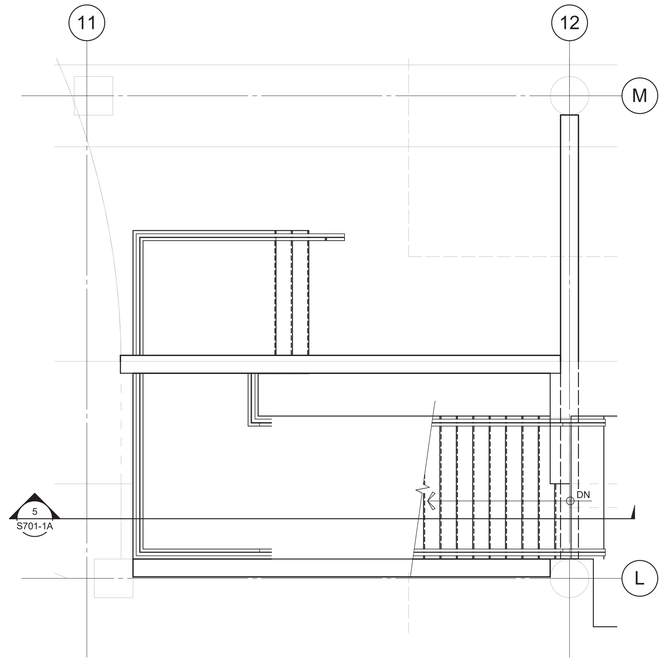
5 STAIR SECTION

SCALE : 1/4" = 1'-0"



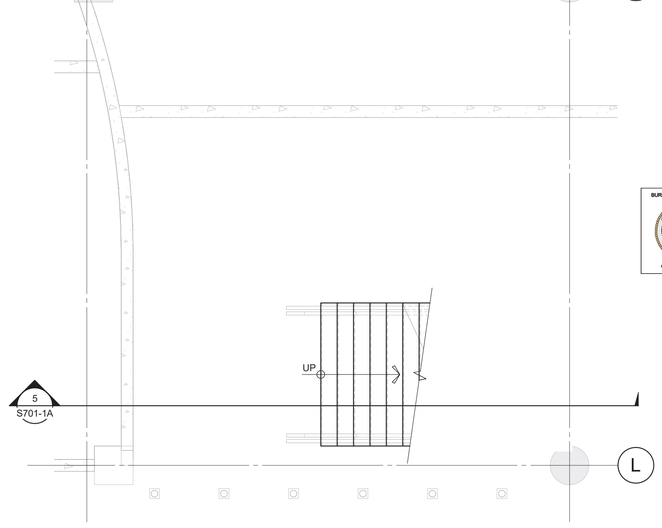
3 STAIR PLAN AT PARKING LEVEL 2

SCALE : 1/4" = 1'-0"



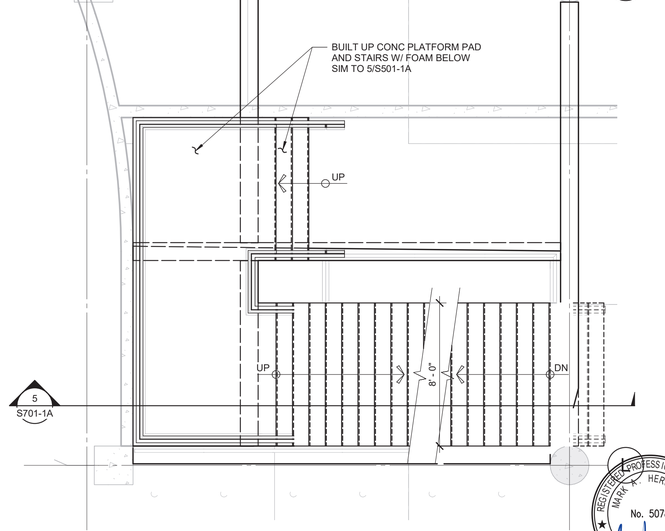
1 STAIR PLAN AT GROUND LEVEL

SCALE : 1/4" = 1'-0"



4 STAIR PLAN AT PARKING LEVEL 3

SCALE : 1/4" = 1'-0"



2 STAIR PLAN AT PARKING LEVEL 1

SCALE : 1/4" = 1'-0"

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CITY OF LOS ANGELES
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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C23665

ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

DATE: 12/16/2021
DATE: 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARTIAL PLANS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
S701-1A

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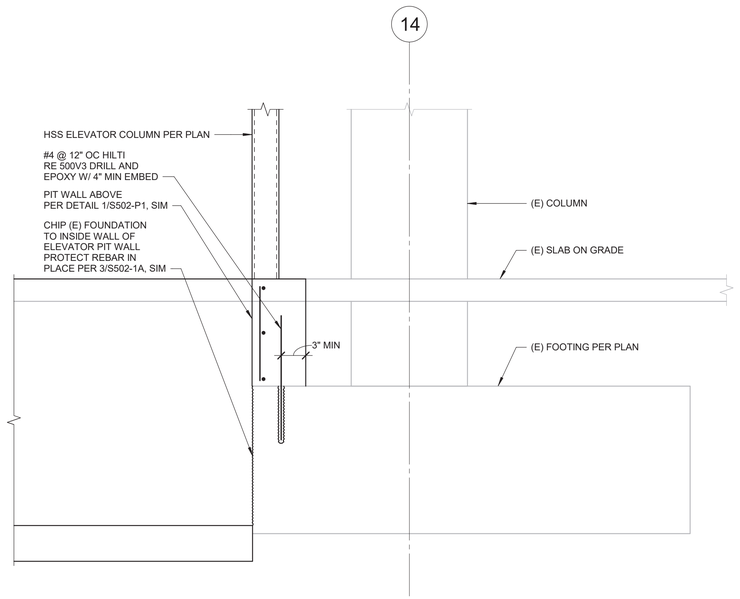
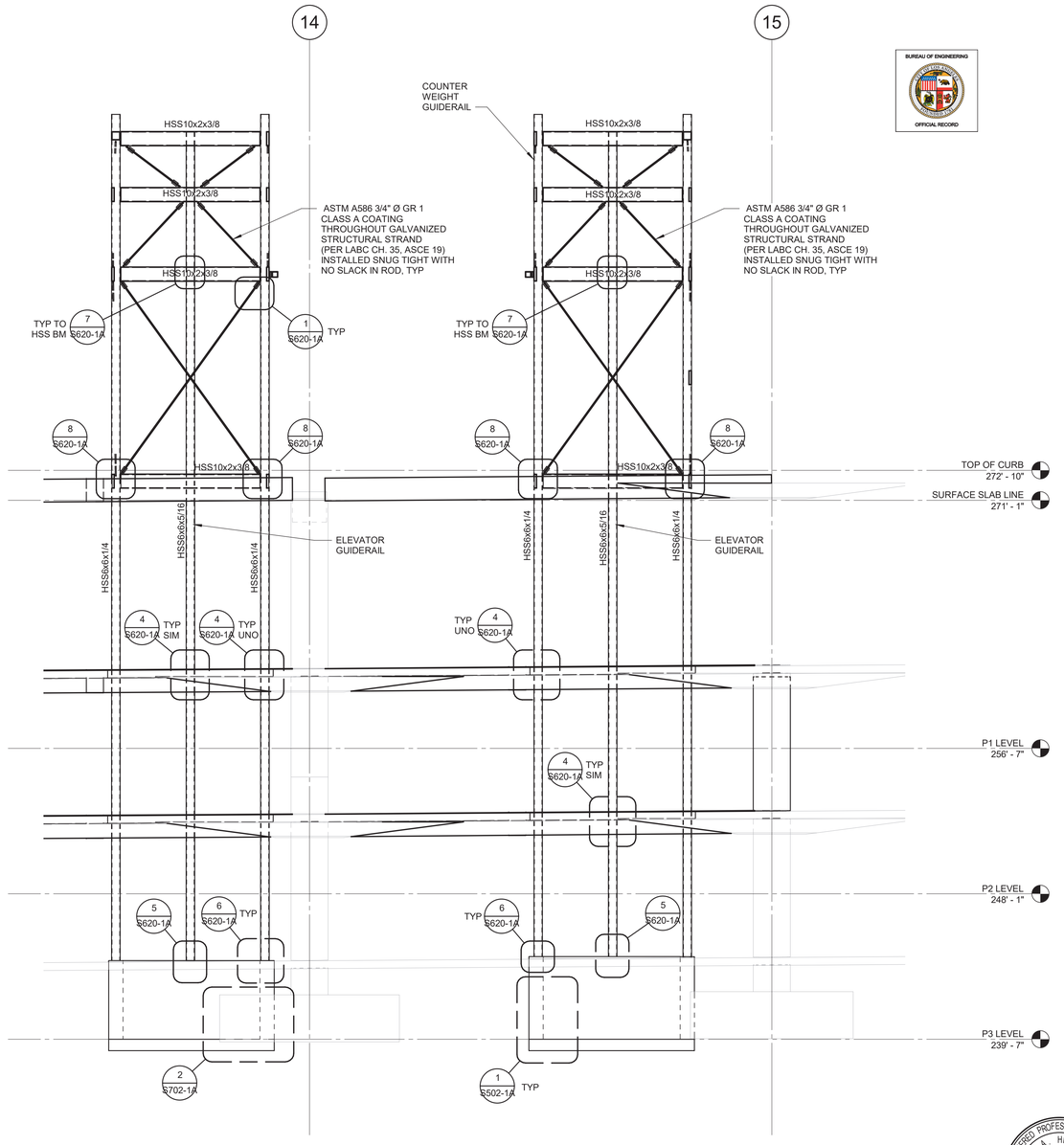


2 (E) FOUNDATION DEMO AT GRID L/14

SCALE : 3/4" = 1'-0"



1 SECTION - OLIVE STREET ELEVATORS

SCALE : 1/4" = 1'-0"

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No. 5078
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DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: OLIVE ST. ELEVATIONS - PLANS & SECTIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
S702-1A

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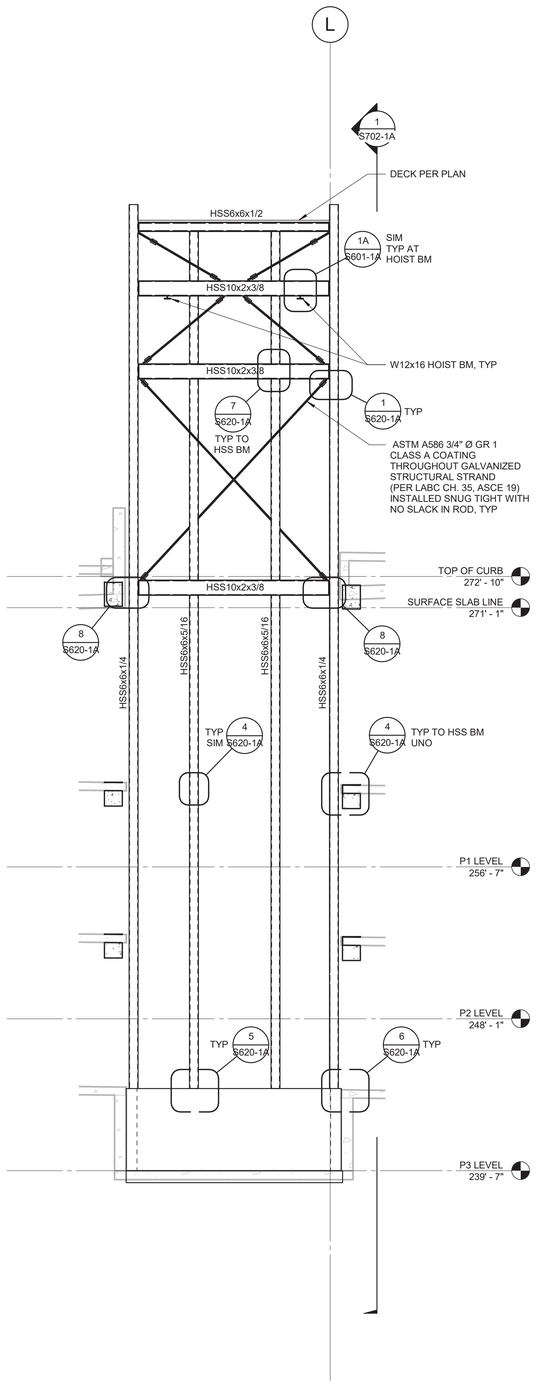
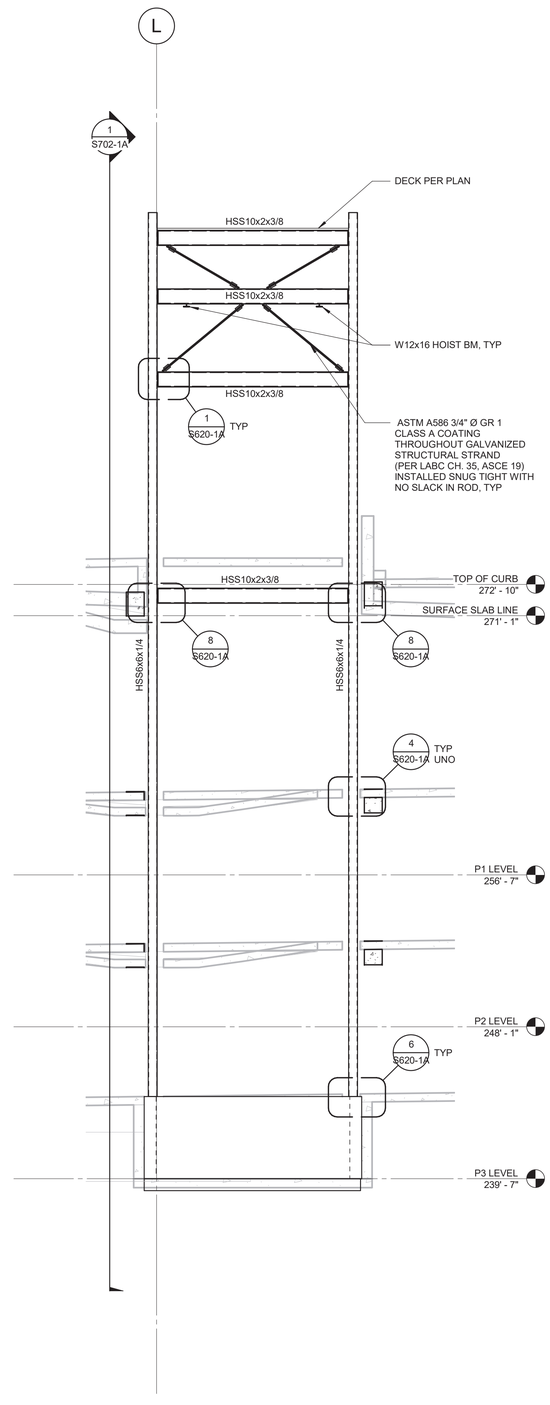


2 ELEVATOR FRAMING ELEVATION

SCALE : 1/4" = 1'-0"



1 ELEVATOR DOOR FRAMING ELEVATION

SCALE : 1/4" = 1'-0"

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ARCHITECTURAL DIVISION LIC. NO. C23665 DATE: 12/16/2021

ARCHITECT: DEBRA GEROD

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: OLIVE ST. ELEVATIONS - PLANS & SECTIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. S703-1A

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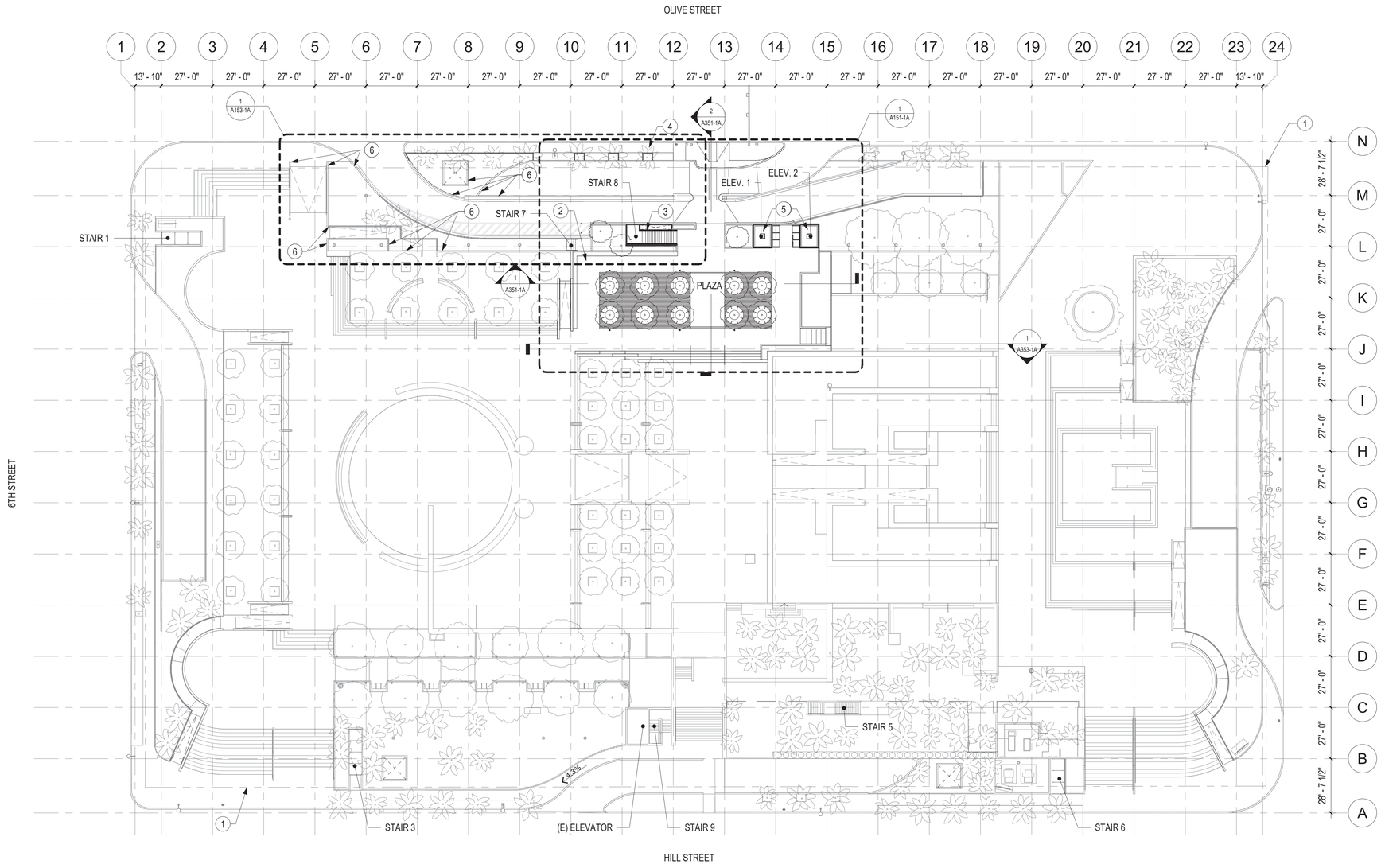

KEYNOTES

1 PROPERTY LINE.
2 (N) PLAZA AT OLIVE STREET.
3 (N) STAIRS - GRADE TO PARKING LEVELS 1-3.
4 (N) EXPANDED SIDEWALK.
5 (N) ELEVATORS - GRADE TO PARKING LEVELS 1-3. ENCASED IN GLASS ALL LEVELS.
6 REPAINT (E) PLASTER WALLS PT-2, BOTH SIDES.

LEGEND

- EXISTING WALL
- NEW WALL
- PROPERTY LINE
- NEW FLOOR INFILL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH SCHEDULE AND ROOM SCHEDULE, SHEET A641.
B. FOR HARDSCAPE FINISH SCHEDULE, SEE LANDSCAPE DRAWINGS.

1 GROUND LEVEL PLAN

SCALE: 1" = 30'-0"

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REN. 08-31-23
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ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A111-1A
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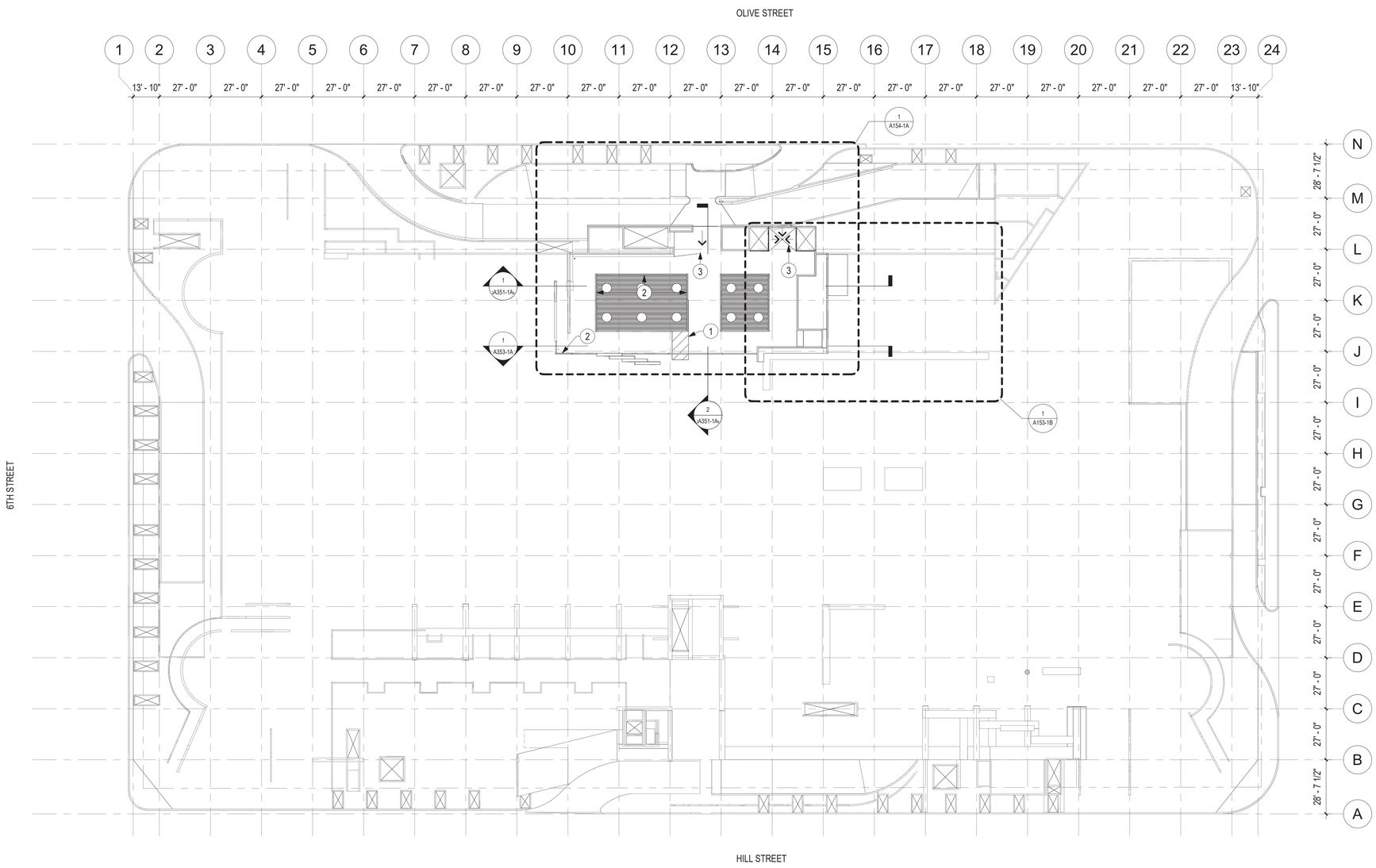

KEYNOTES

1 (N) CONC. SLAB TO INFILL (E) OPENING.
2 (N) CONC. CURB ATTACHED TO STRUCTURAL DECK, 6" AFS.
3 (N) CONC. TOPPING SLAB TO SLOPE TO DRAIN, SEE CIVIL.

LEGEND

OPENING IN STRUCTURAL DECK
(N) SLAB INFILL
STORM DRAIN, SEE CIVIL/PLUMBING

1 GROUND LEVEL SLAB PLAN

SCALE: 1" = 30'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: Approver 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - SLAB PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A112-1A
SHEET OF SHEETS

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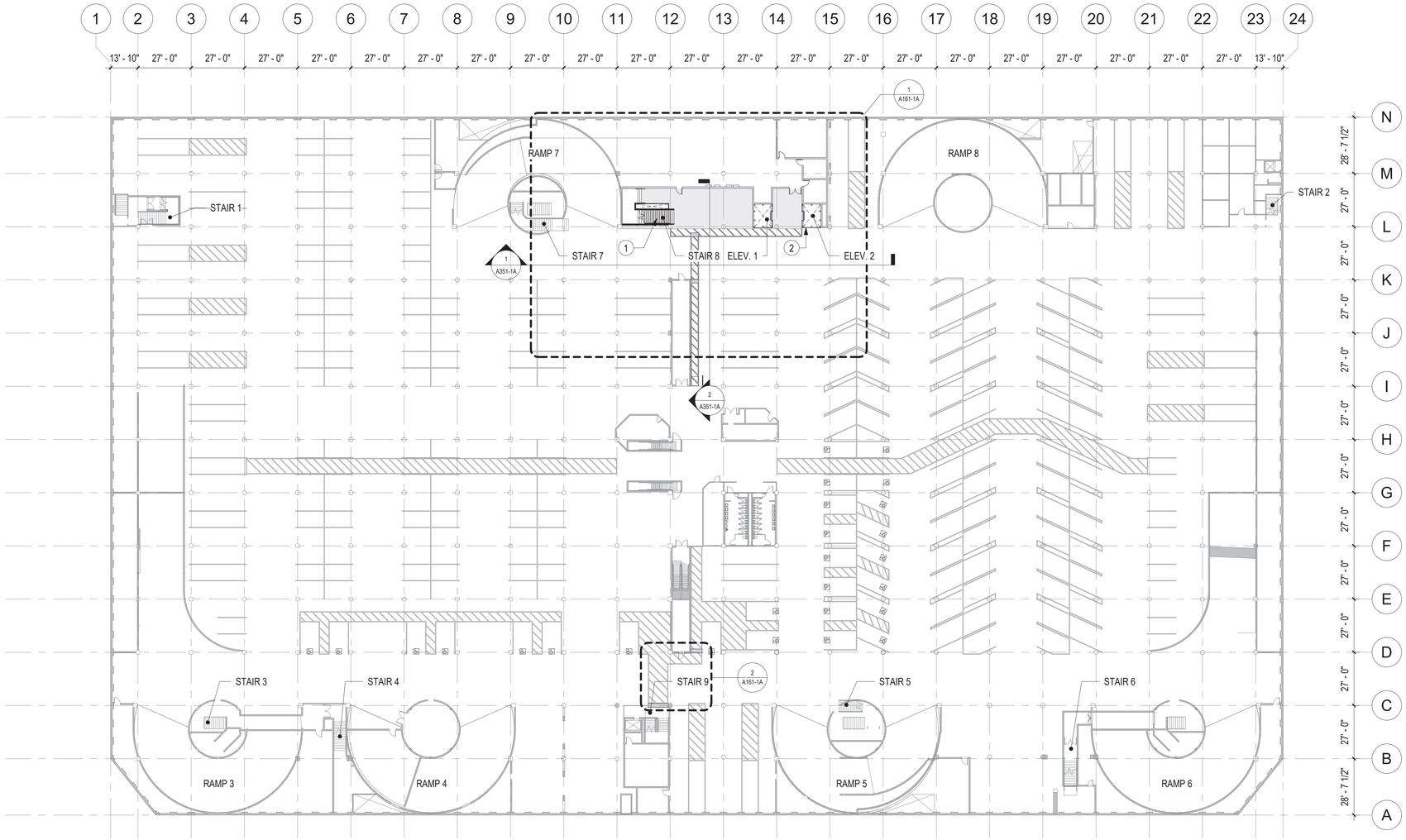

KEYNOTES

1 (N) STAIRS - GRADE TO PARKING LEVEL 3. LIGHTING SAME AS ELEVATOR, PART OF ONE VERTICAL TRANSPORTATION AREA.

2 (N) ELEVATORS - GRADE TO PARKING LEVEL 3. AREA TO BE PROVIDED WITH LED FIXTURES TO PROVIDE A BRIGHTLY LIT AREA FOR SAFETY AND VERT TRANSPORTATION WAYFINDING.

LEGEND

- EXISTING WALL
- NEW WALL
- BENCH REVEAL
- NEW FLOOR INFILL

1 PARKING LEVEL 1

SCALE: 1" = 30'-0"

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ARCHITECTURAL DIVISION LIC. NO. C23665 DATE: 11/08/201

ARCHITECT: DEBRA GEROD

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 1 - PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A121-1A

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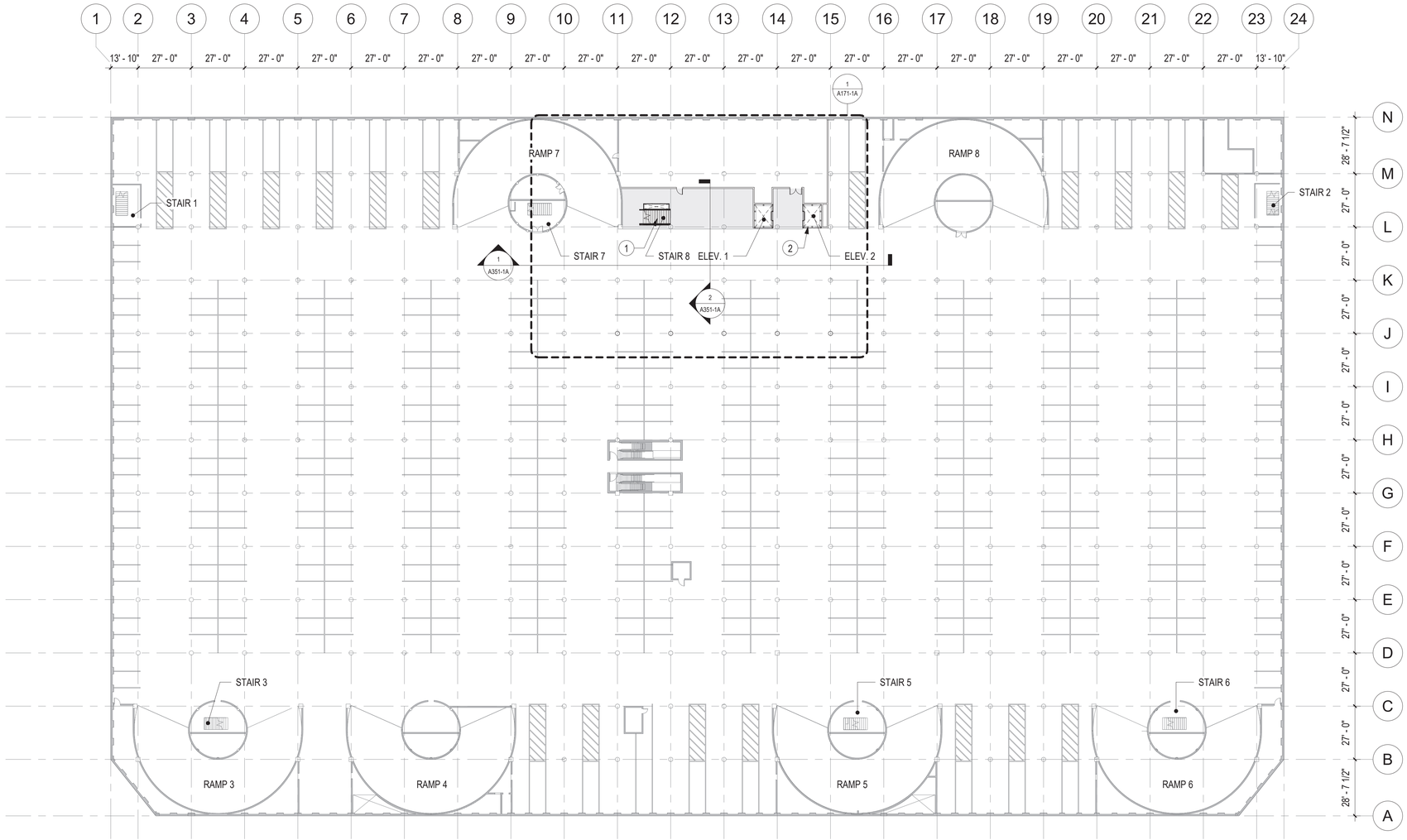

1 PARKING LEVEL 2
SCALE: 1" = 30'-0"

KEYNOTES

1 (N) STAIRS - GRADE TO PARKING LEVEL 3. LIGHTING SAME AS ELEVATOR, PART OF ONE VERTICAL TRANSPORTATION AREA.

2 (N) ELEVATORS - GRADE TO PARKING LEVEL 3. AREA TO BE PROVIDED WITH LED FIXTURES TO PROVIDE A BRIGHTLY LIT AREA FOR SAFETY AND VERT TRANSPORTATION WAYFINDING.

LEGEND

- EXISTING WALL
- NEW WALL
- BENCH REVEAL
- NEW FLOOR INFILL

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NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

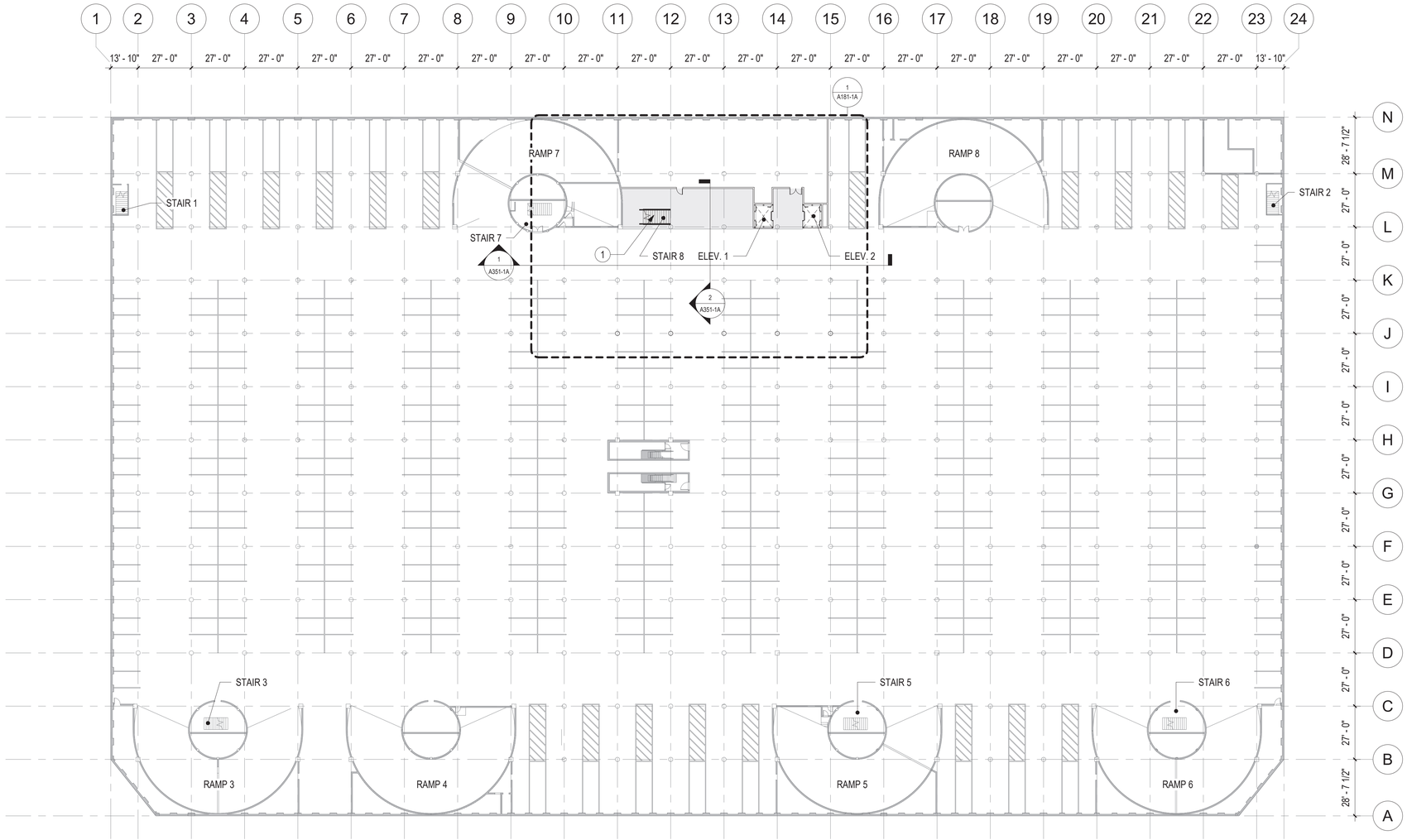
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A131-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:49:37 AM



1 PARKING LEVEL 3
SCALE: 1" = 30'-0"

KEYNOTES

1 (N) STAIRS - GRADE TO PARKING LEVEL 3. LIGHTING SAME AS ELEVATOR, PART OF ONE VERTICAL TRANSPORTATION AREA.

LEGEND

- EXISTING WALL
- NEW WALL
- BENCH REVEAL
- NEW FLOOR INFILL

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BUILDING NO.

MF-300492
INDEX NO.

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 3 - PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
A141-1A
SHEET OF SHEETS

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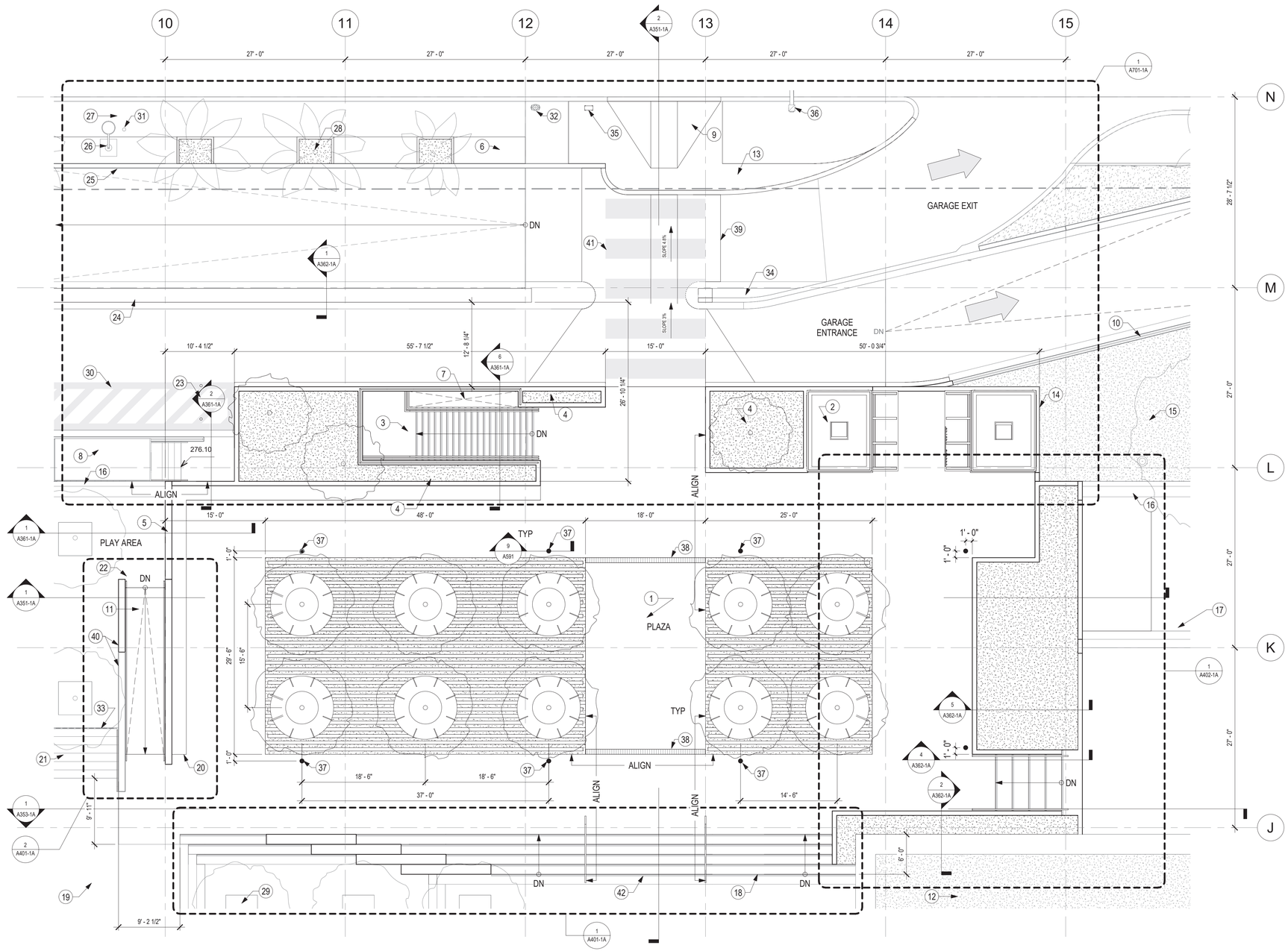

KEYNOTES

1. (N) PLAZA DECK. LOWERED TO COORDINATE WITH ELEVATORS FOR CONNECTING PHASE 3 PROPOSED ELEVATION. DECK TO BE PAVERS.
2. (N) ELEVATORS - GRADE TO PARKING LEVELS 1-3. ENCASED IN GLASS ALL LEVELS.
3. (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.
4. (N) PLANTER WITH CONCRETE/CMU WALLS. WATERPROOF FOR PLANTING.
5. CONCRETE WALL WITH PLASTER AT SIDE OF PLAY AREA AND RAMP. MATCH HEIGHT OF (E) WALL.
6. (N) PERMEABLE HARDSCAPE SURFACE, TYP.
7. OPEN LIGHT WELL TO BELOW.
8. (E) EGRESS STAIR AND CAGE FROM GARAGE, PROTECT IN PLACE.
9. PROVIDE (N) ACCESSIBLE RAMP IN SIDEWALK.
10. (E) GUARDRAIL, PROTECT IN PLACE.
11. (N) RAMP AT PLAY AREA. METAL HAND RAILS EACH SIDE.
12. PROTECT (E) PLANTER WALL.
13. (N) EXPANDED SIDEWALK AND CURB.
14. (N) PLANTER WALL AT ELEVATOR SHAFT OPENING.
15. REVITALIZED PLANTER. REFER TO LANDSCAPE DRAWINGS.
16. (E) CONCRETE BENCH, PROTECT IN PLACE.
17. (E) RAISED, STEPPED PLAZA. PROTECT CUT EDGE.
18. (N) CONCRETE STEPS TO (E) PLAZA.
19. (E) PLAZA.
20. (N) CONCRETE BENCH, REFER TO LANDSCAPE DRAWING FOR SKATEBOARD DETERENTS.
21. (E) STAIRS. PROTECT IN PLACE.
22. (E) RUBBERIZED SAFETY SURFACE. PROTECT IN PLACE.
23. (N) BOLLARDS AT CAGED STAIR, PAINT PT-5. STRIPE AREA AS INDICATED IN PLAN. REFER TO DETAIL 2/A591 FOR BOLLARDS.
24. (E) REDUCED DRIVE AISLE WALL. PATCH/ RESURFACE REMAINING WALL. PAINT
25. (E) PLASTER WALL, PROTECT IN PLACE, PAINT.
26. (E) LAMP POST. PROTECT IN PLACE.
27. PROTECT (E) SIDEWALK IN PLACE.
28. PROTECT (E) PALM TREE AND ADJACENT SOIL IN PLACE. POUR (N) CONCRETE CURB AT EDGES. TYP.
29. PROTECT (E) TREES IN PLACE. TYPICAL.
30. STRIPED MAINTENANCE VEHICLE PARKING, PAINT PT-6 AS SHOWN IN PLAN.
31. (E) BUS SIGN. PROTECT IN PLACE.
32. (E) FIRE HYDRANT. PROTECT IN PLACE.
33. (E) METAL FENCE. PROTECT IN PLACE.
34. REMOVE PURPLE ARCH COLUMN, EXTEND CURB TO PREVIOUS EDGE OF COLUMN AND PATCH CONCRETE ISLAND.
35. (E) CROSS WALK SIGNAL. PROTECT IN PLACE.
36. (E) TRAFFIC SIGNAL. PROTECT IN PLACE.
37. (N) POLE MOUNTED LIGHTING, MTL-4 FINISH. SEE LIGHTING DRAWINGS FOR ADDITIONAL DETAILS.
38. 6" TRENCH DRAIN WITH ADA AND HEEL PROOF GATE. SEE CIVIL DRAWINGS.
39. (N) CONCRETE INFILL AT DRIVE AISLE. PAINT WALKWAY STRIPING PT-6 AS SHOWN IN PLAN.
40. REPAINT (E) PLASTER WALLS PT-2, BOTH SIDES.
41. PEDESTRIAN WALKWAY STRIPING, PAINT PT-6 AS SHOWN IN PLAN.
42. CONTRAST STRIPING ON ALL STEPS OF EXTERIOR STAIRCASES.

LEGEND

EXISTING WALL

NEW WALL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. FOR HARDSCAPE FINISH SCHEDULE, SEE LANDSCAPE DRAWINGS.
C. (N) POLE LIGHT TO BE MTL-4 FINISH.
D. (N) METAL HANDRAILS AND GUARDRAILS TO BE MTL-5 FINISH.
E. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1 FINISH.
F. ELEVATOR GLASS PANELS TO BE GL-1 FINISH.
G. ELEVATOR CANOPY TO BE MTL-2 FINISH.

1 PLAZA PLAN

SCALE: 1/8" = 1'-0"

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 11/08/201
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - PLAZA

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

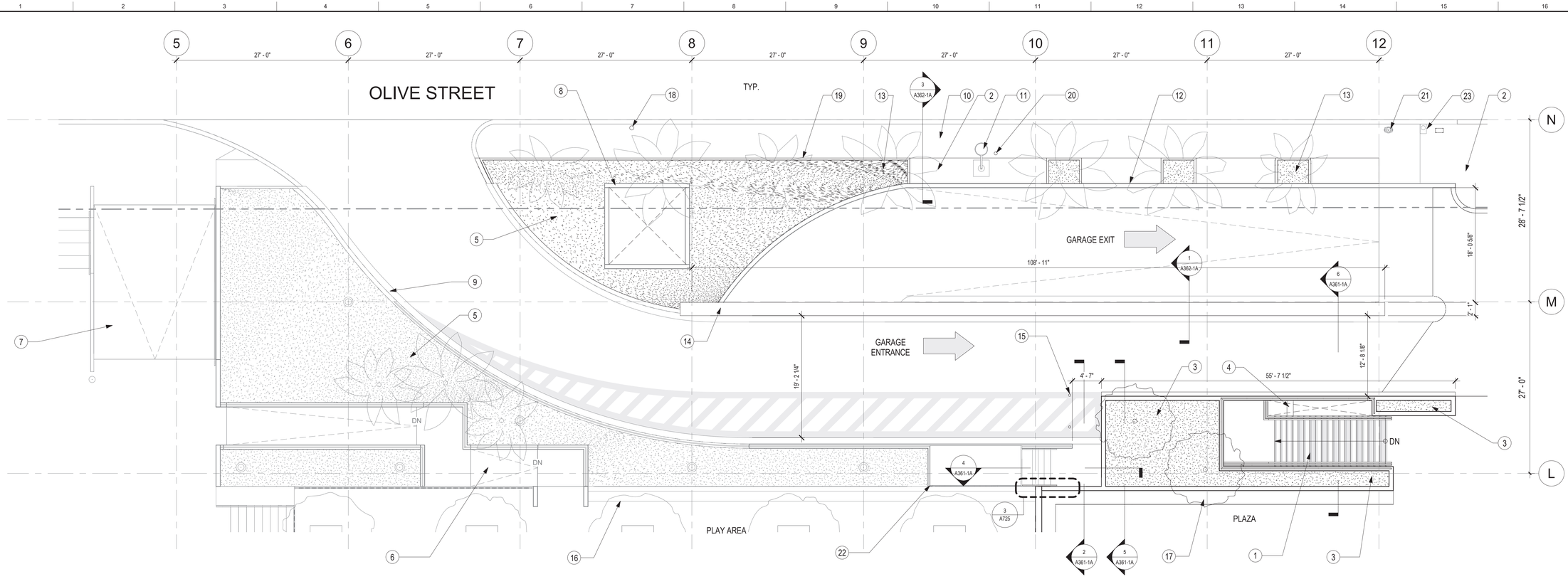
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A151-1A

SHEET OF SHEETS

PLOTTED: 11/5/2021 4:12:34 PM



1 OLIVE STREET

SCALE: 1/8" = 1'-0"

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH SCHEDULE AND ROOM SCHEDULE, SHEET A641.
B. FOR HARDSCAPE FINISH SCHEDULE, SEE LANDSCAPE DRAWINGS.
C. (N) POLE LIGHT TO BE MTL-4 FINISH.
D. (N) METAL HANDRAILS AND GUARDRAILS TO BE MTL-5 FINISH.

LEGEND

- EXISTING WALL
- NEW WALL
- BENCH REVEAL
- NEW FLOOR INFILL

KEYNOTES

1 (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.
2 (N) PERMEABLE HARDSCAPE SURFACE, TYP.
3 (N) PLANTER WITH CONCRETE/CMU WALLS. WATERPROOF FOR PLANTING.
4 OPEN LIGHT WELL TO BELOW.
5 (E) PLANTER REVITALIZED. REFER TO LANDSCAPE DRAWINGS.
6 (E) RAMP TO PLAY AREA.
7 (E) ACCESSIBLE ACCESS FROM SIDEWALK TO PARK.
8 (E) AIR SUPPLY VENT AND (E) PLASTER WALLS. PROTECT IN PLACE, PAINT.
9 (E) CURB AND GUTTER, PROTECT IN PLACE. ADD CURB AND GUTTER WHERE DRIVEWAY WAS REMOVED.
10 PROTECT (E) SIDEWALK IN PLACE.
11 (E) LAMP POST. PROTECT IN PLACE.
12 (E) PLASTER WALL, PROTECT IN PLACE, PAINT.

KEYNOTES

13 PROTECT (E) PALM TREE AND ADJACENT SOIL IN PLACE. POUR (N) CONCRETE CURB AT EDGES. TYP.
14 (E) REDUCED DRIVE AISLE WALL. PATCH/ RESURFACE REMAINING WALL. PAINT
15 (N) BOLLARDS AT CAGED STAIR, PAINT PT-5. STRIPE AREA AS INDICATED IN PLAN. REFER TO DETAIL 2/A591 FOR BOLLARDS.
16 (E) CONCRETE BENCH, PROTECT IN PLACE.
17 (N) CONCRETE BENCH, REFER TO LANDSCAPE DRAWING FOR SKATEBOARD DETERENTS.
18 (E) NO PARKING SIGN. PROTECT IN PLACE.
19 (E) EDGE OF CONCRETE SIDEWALK. PROTECT IN PLACE.
20 (E) BUS SIGN. PROTECT IN PLACE.
21 (E) FIRE HYDRANT. PROTECT IN PLACE.
22 (E) EGRESS STAIR, CAGE AND CONCRETE LANDING FROM GARAGE, PROTECT IN PLACE.
23 (E) CROSS WALK SIGNAL. PROTECT IN PLACE.

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MF-300492

INDEX NO.

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - STREET SCAPE ENHANCEMENT

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A153-1A

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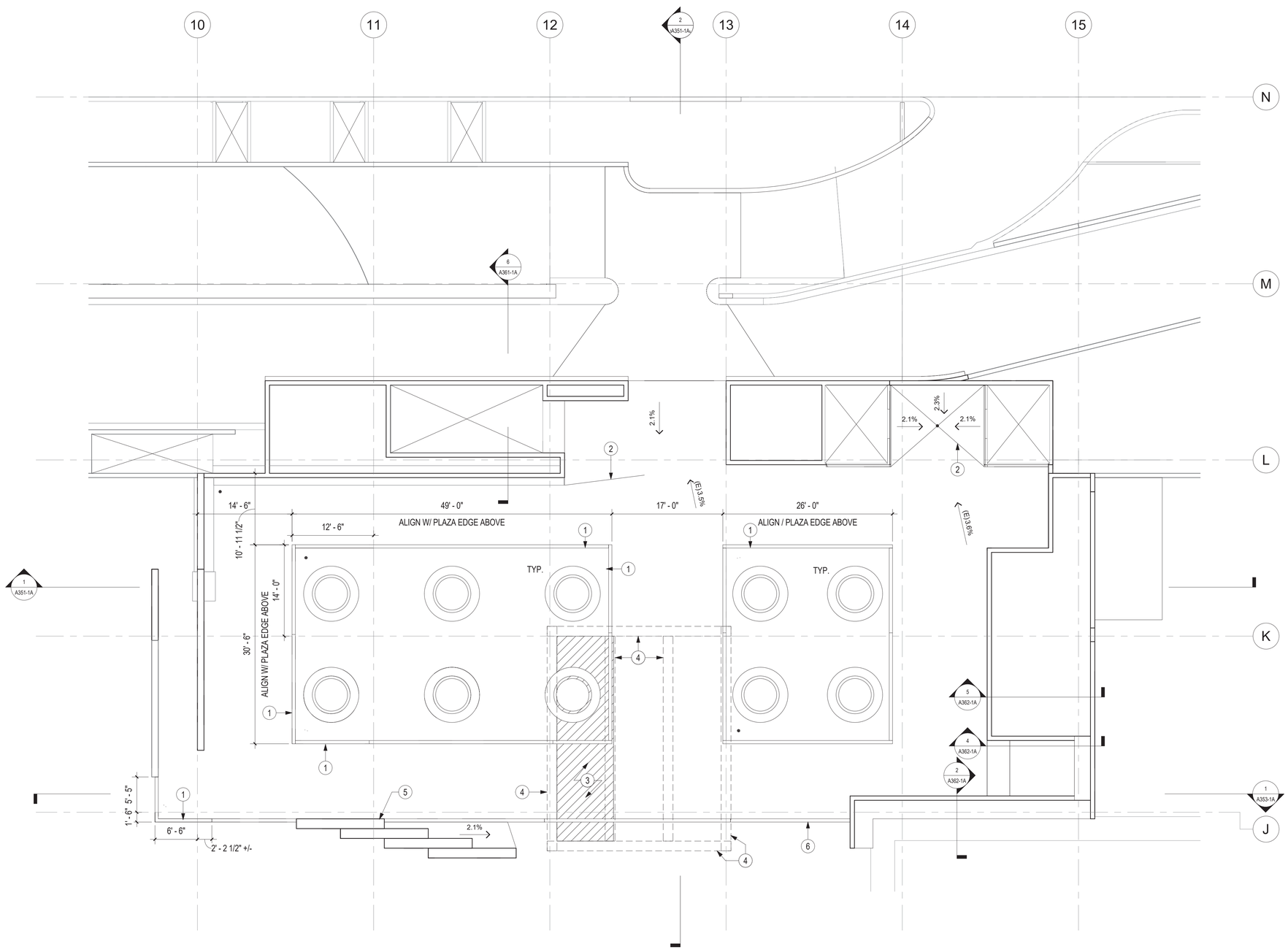

1 ENLARGED GROUND LEVEL SLAB PLAN

SCALE: 1/8" = 1'-0"

KEYNOTES

1 (N) CONC. CURB ATTACHED TO STRUCTURAL DECK, 6" AFS.
2 (N) CONC. TOPPING SLAB TO SLOPE TO DRAIN, SEE CIVIL.
3 (N) CONC. SLAB TO INFILL (E) OPENING.
4 (N) BEAM BELOW, SEE STRUCTURAL.
5 (N) CONC. BENCH ATTACHED TO (E) STRUCTURAL DECK.
6 FOOTING FOR (N) STAIR ATTACHED TO (E) STRUCTURAL DECK

LEGEND

OPENING IN STRUCTURAL DECK
(N) SLAB INFILL
STORM DRAIN, SEE CIVIL/PLUMBING

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH SCHEDULE AND ROOM SCHEDULE, SHEET A641.
B. FOR HARDSCAPE FINISH SCHEDULE, SEE LANDSCAPE DRAWINGS.

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

		DATE:
ARCHITECT: DEBRA GERODO	LIC. NO. C23665	12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: NG, CG		
CHECKED BY: JA		
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		11/08201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED SLAB PLANS - PLAZA

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A154-1A

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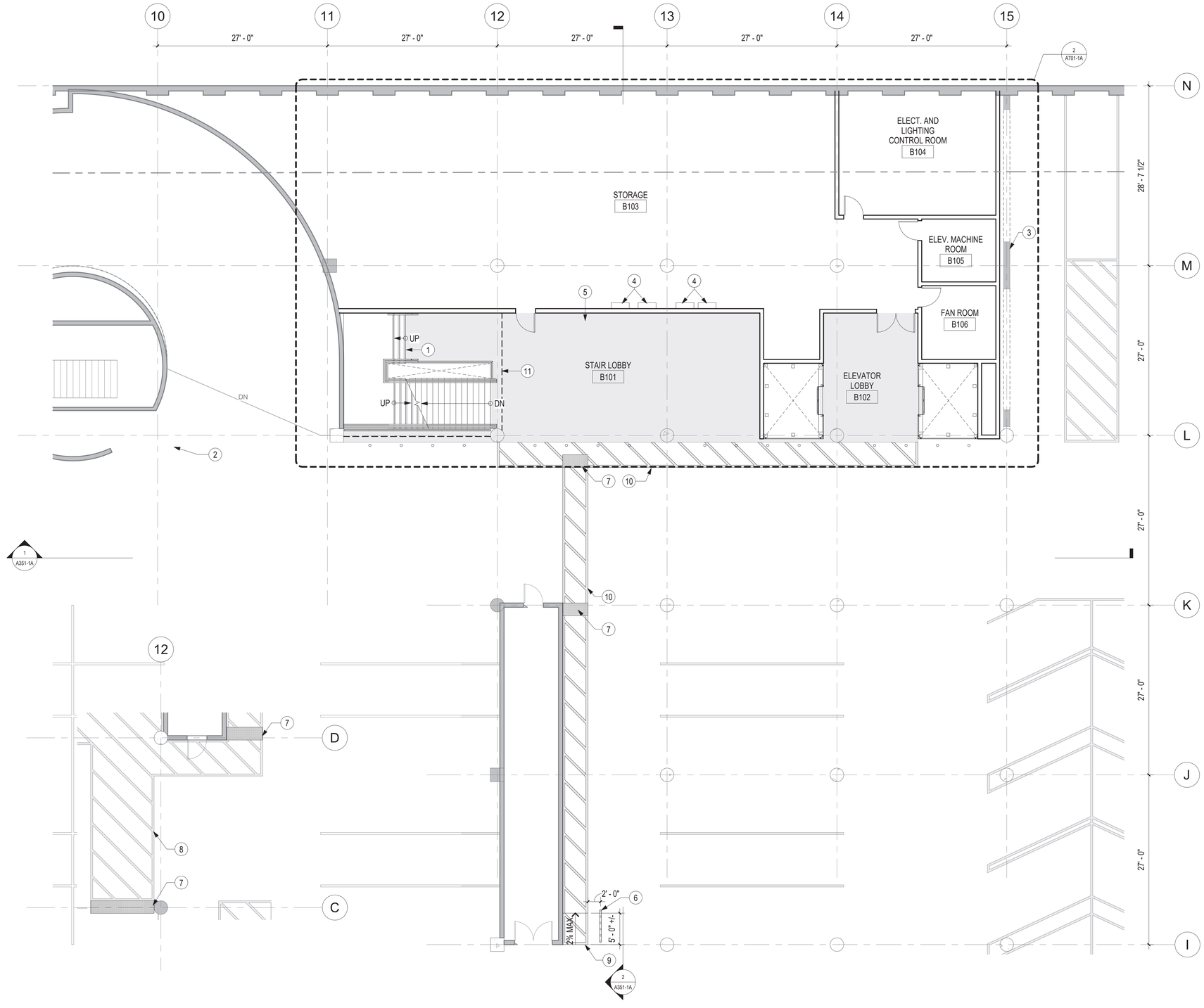

KEYNOTES

1 (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.
2 (E) CAGED EGRESS STAIR. PROTECT IN PLACE.
3 (E) FLOOR TO CEILING 36" DEPTH CONCRETE DIAGONAL CROSSBEAMS. PROTECT IN PLACE.
4 (N) MECHANICAL EQUIPMENT, SEE MECHANICAL.
5 PAINT CONCRETE DECK PT-4 AT VERTICAL TRANSPORTATION HUB, INDICATED IN PLAN.
6 (E) BIKE RACK TO RELOCATE
7 (N) TRUNCATED DOME ADA STRIP, 24" X WIDTH OF PATHWAY STRIPING
8 (E) PEDESTRIAN WALKWAY STRIPING
9 (N) TRANSITION RAMP BETWEEEN (E) GARAGE FLOOR AND (E) TILE FINISH FLOOR
10 ADA STRIPING W/ SLIP RESISTANT FLOOR FINISH (MEDIUM SALTED FINISH OR SIMILAR)
11 DRAFT CURTAIN AROUND STAIR OPENING, REFER TO 1/A261-1A

LEGEND

EXISTING WALL
NEW WALL
BENCH REVEAL
NEW FLOOR INFILL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.

2 ENLARGED PLAN - ADA STRIPING

SCALE: 1/8" = 1'-0"

1 OLIVE STREET P1 LEVEL

SCALE: 1/8" = 1'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C23665 DATE: 12/16/2021
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - P1 LEVEL

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A161-1A
SHEET OF SHEETS

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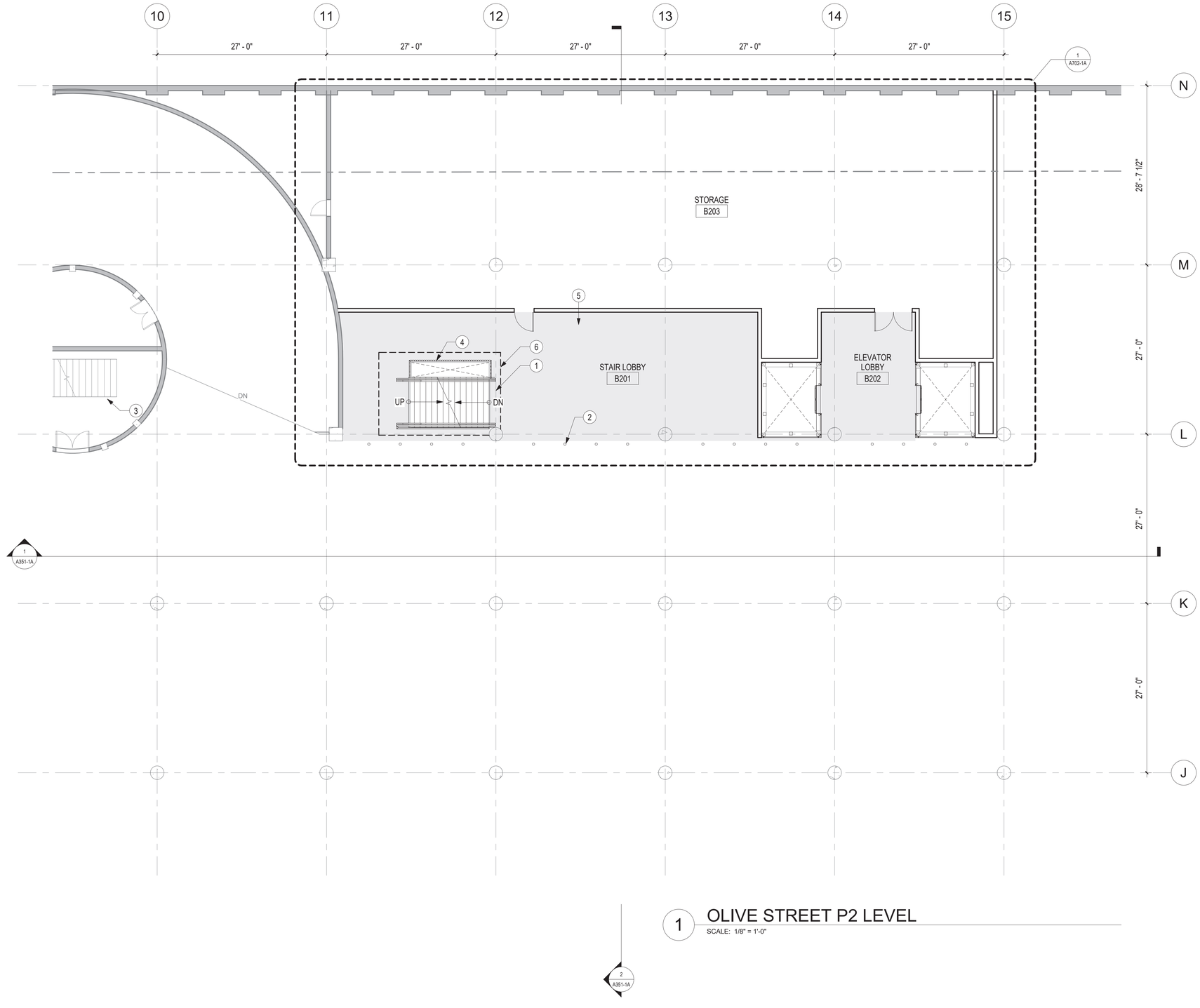

1 OLIVE STREET P2 LEVEL

SCALE: 1/8" = 1'-0"

KEYNOTES

1 (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.
2 BOLLARDS AT 48" O.C. MAX, PAINT PT-5.
3 (E) CAGED EGRESS STAIR. PROTECT IN PLACE.
4 LIGHT WELL OPEN TO BELOW WITH GUARDRAIL ALL SIDES. PROVIDE DRAINAGE.
5 PAINT CONCRETE DECK PT-4 AT VERTICAL TRANSPORTATION HUB, INDICATED IN PLAN.
6 DRAFT CURTAIN AROUND STAIR OPENING, REFER TO 1/A271-1A

LEGEND

EXISTING WALL
NEW WALL
BENCH REVEAL
NEW FLOOR INFILL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.

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DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES 11/08/201
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - P2 LEVEL

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A171-1A

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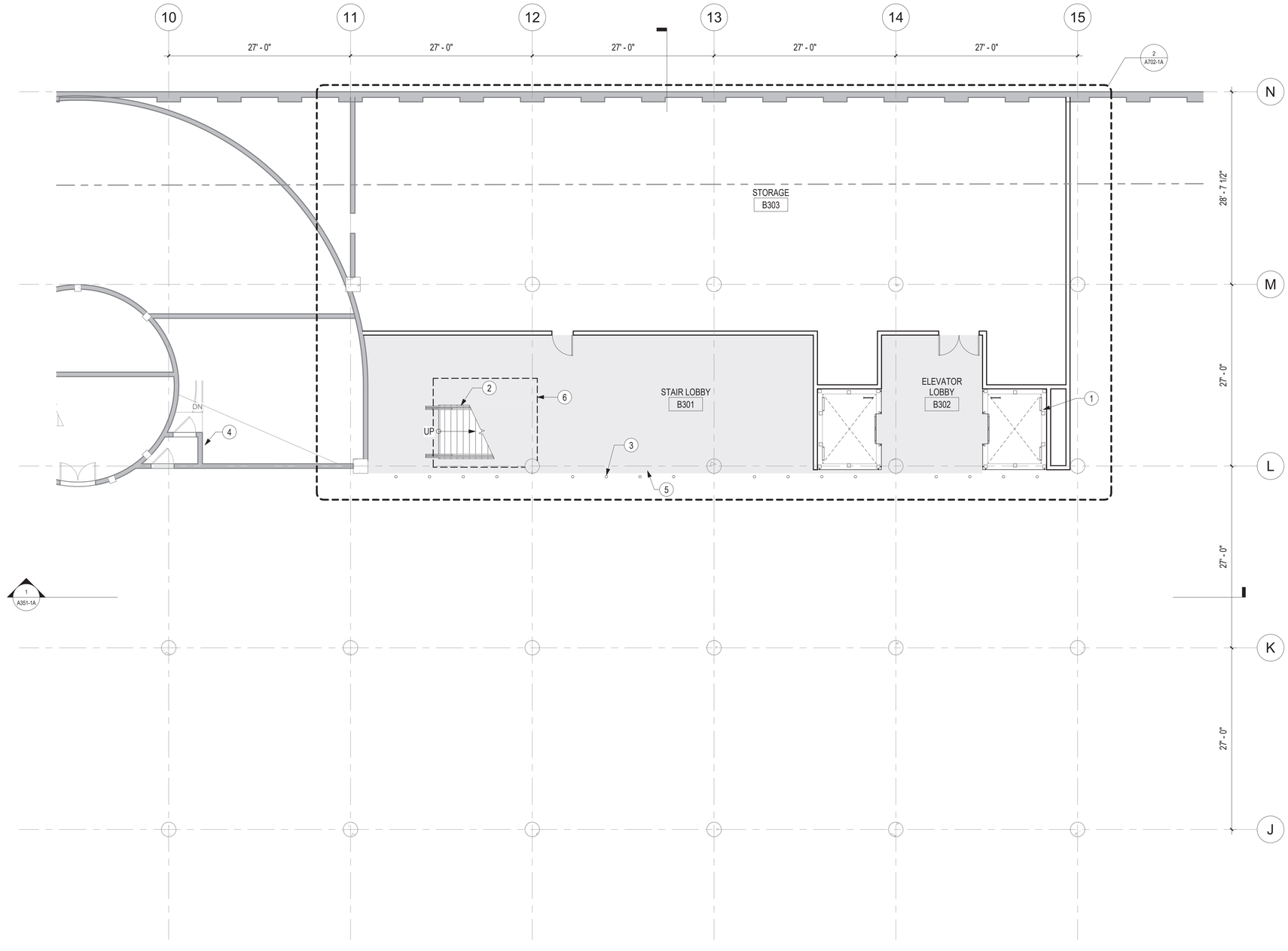

1 OLIVE STREET P3 LEVEL

SCALE: 1/8" = 1'-0"

KEYNOTES

1. (N) ELEVATORS - GRADE TO PARKING LEVEL 3, INCLUDES LANDING AT UPPER PARK LEVEL. ENCASED IN GLASS ALL LEVELS.
2. (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.
3. BOLLARDS AT 48" O.C. MAX, PAINT PT-5.
4. (E) SUB BASEMENT MECHANICAL P4 LEVEL. PROTECT IN PLACE.
5. PAINT CONCRETE DECK PT-4 AT VERTICAL TRANSPORTATION HUB, INDICATED IN PLAN.
6. DRAFT CURTAIN AROUND STAIR OPENING, REFER TO 1/A281-1A

LEGEND

- EXISTING WALL
- NEW WALL
- BENCH REVEAL
- NEW FLOOR INFILL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - P3 LEVEL

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A181-1A

SHEET OF SHEETS

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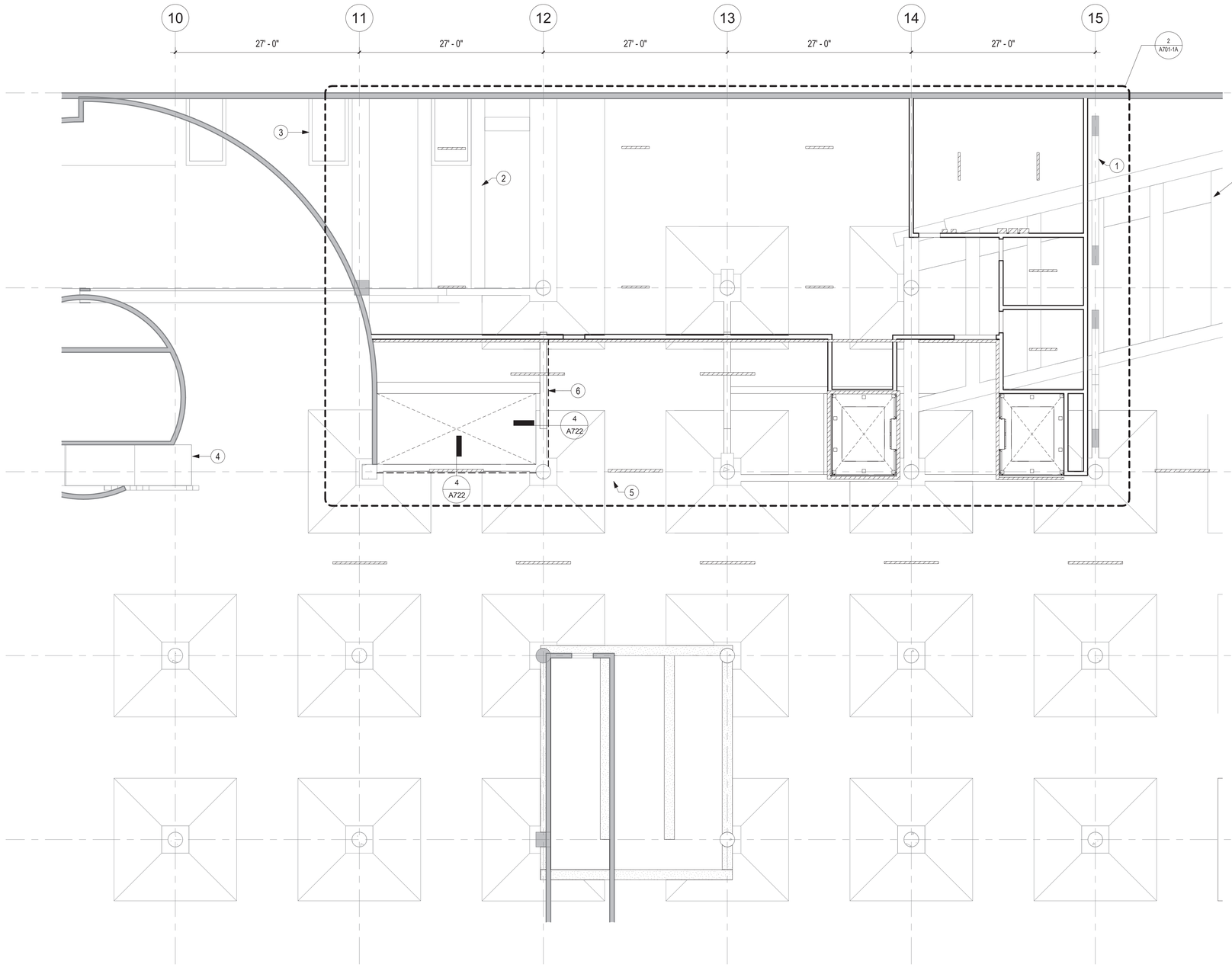
REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 8:50:34 AM

PLOTTED: 11/3/2021 8:50:34 AM



1 OLIVE STREET RCP - P1 LEVEL

SCALE: 1/8" = 1'-0"

KEYNOTES

1 (E) FLOOR TO CEILING 36" DEPTH CONCRETE DIAGONAL CROSSBEAMS. PROTECT IN PLACE.
2 STRUCTURE OF (E) RAMP. PROTECT IN PLACE.
3 (E) TREE WELL BOXES. PROTECT IN PLACE. TYP.
4 (E) CAGED EGRESS STAIR. PROTECT IN PLACE.
5 PAINT CEILING, AND ANY (E) OR (N) CONDUITS/ PIPING PT-3 TO EXTENT INDICATED IN PLAN.
6 DRAFT CURTAIN AROUND STAIR OPENING

LEGEND

EXISTING WALL
NEW WALL
(N) LIGHTING FIXTURE

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.
D. FOR LIGHTING NOTES, SEE LIGHTING DRAWINGS.

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
1			

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 11/08/201

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A, PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED RCP - PARKING LEVEL 1

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A261-1A

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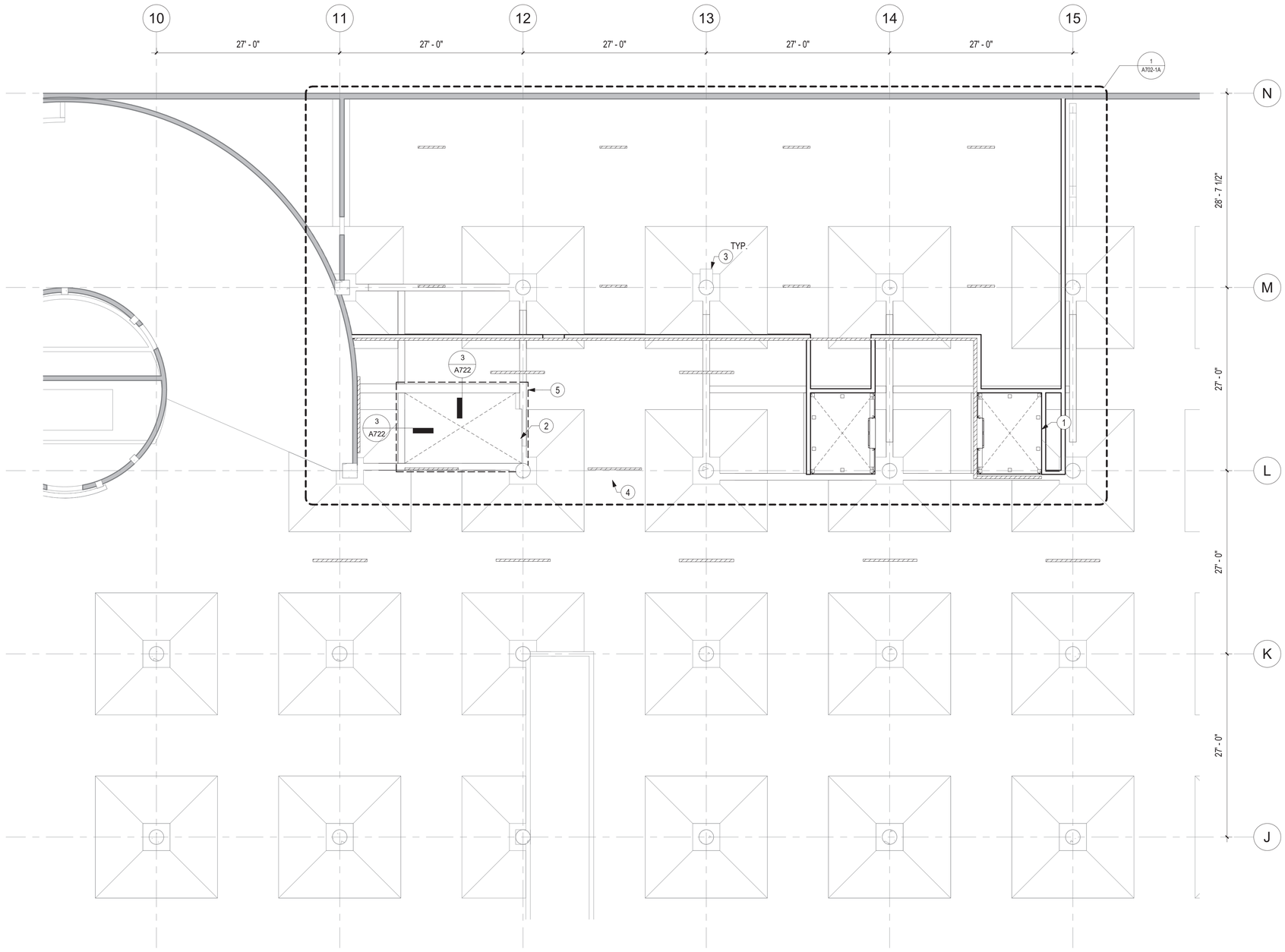
REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 8:50:38 AM

PLOTTED: 11/3/2021 8:50:38 AM



1 OLIVE STREET RCP - P2 LEVEL

SCALE: 1/8" = 1'-0"

KEYNOTES

1 (N) ELEVATORS - GRADE TO PARKING LEVEL 3, INCLUDES LANDING AT UPPER PARK LEVEL. ENCASED IN GLASS ALL LEVELS.
2 (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.
3 (E) AIR SUPPLY VENT AND (E) PLASTER WALLS. PROTECT IN PLACE, PAINT.
4 PAINT CEILING, AND ANY (E) OR (N) CONDUITS/ PIPING PT-3 TO EXTENT INDICATED IN PLAN.
5 DRAFT CURTAIN AROUND STAIR OPENING

LEGEND

EXISTING WALL
NEW WALL
(N) LIGHTING FIXTURE

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.
D. FOR LIGHTING NOTES, SEE LIGHTING DRAWINGS.

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REVISION DATE: 11/3/2021 8:50:41 AM

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE:
ARCHITECT: DEBRA GEROD LIC. NO. C23665 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES 11/08/201
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED RCP - PARKING LEVEL 2

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A271-1A

SHEET OF SHEETS

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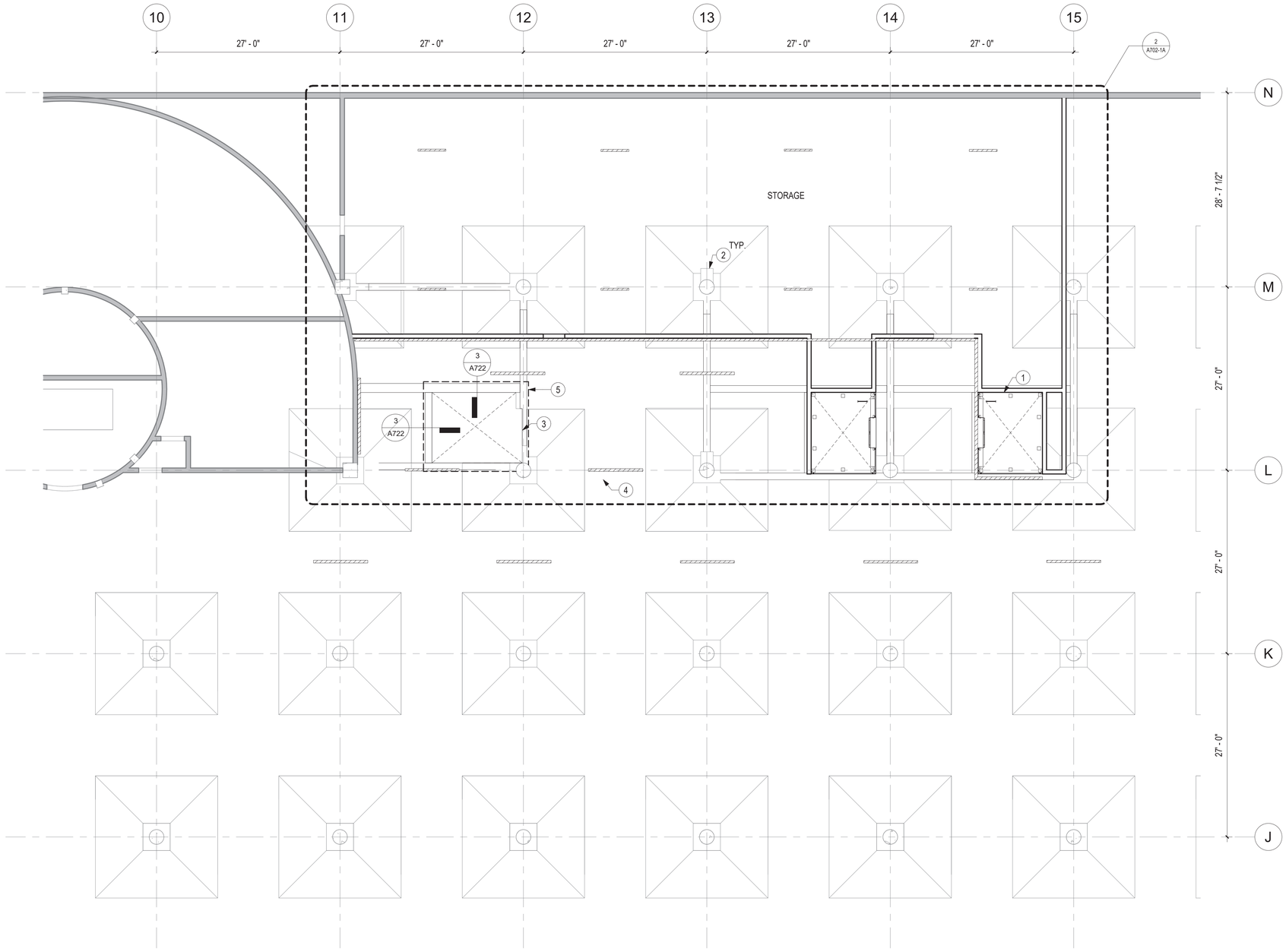

1 OLIVE STREET RCP - P3 LEVEL

SCALE: 1/8" = 1'-0"

KEYNOTES

1 (N) ELEVATORS - GRADE TO PARKING LEVEL 3, INCLUDES LANDING AT UPPER PARK LEVEL. ENCASED IN GLASS ALL LEVELS.

2 (E) AIR SUPPLY VENT AND (E) PLASTER WALLS. PROTECT IN PLACE, PAINT.

3 (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.

4 PAINT CEILING, AND ANY (E) OR (N) CONDUITS/ PIPING PT-3 TO EXTENT INDICATED IN PLAN.

5 DRAFT CURTAIN AROUND STAIR OPENING

LEGEND

EXISTING WALL

NEW WALL

(N) LIGHTING FIXTURE

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.
D. FOR LIGHTING NOTES, SEE LIGHTING DRAWINGS.

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BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT DATE: 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED RCP - PARKING LEVEL 3

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

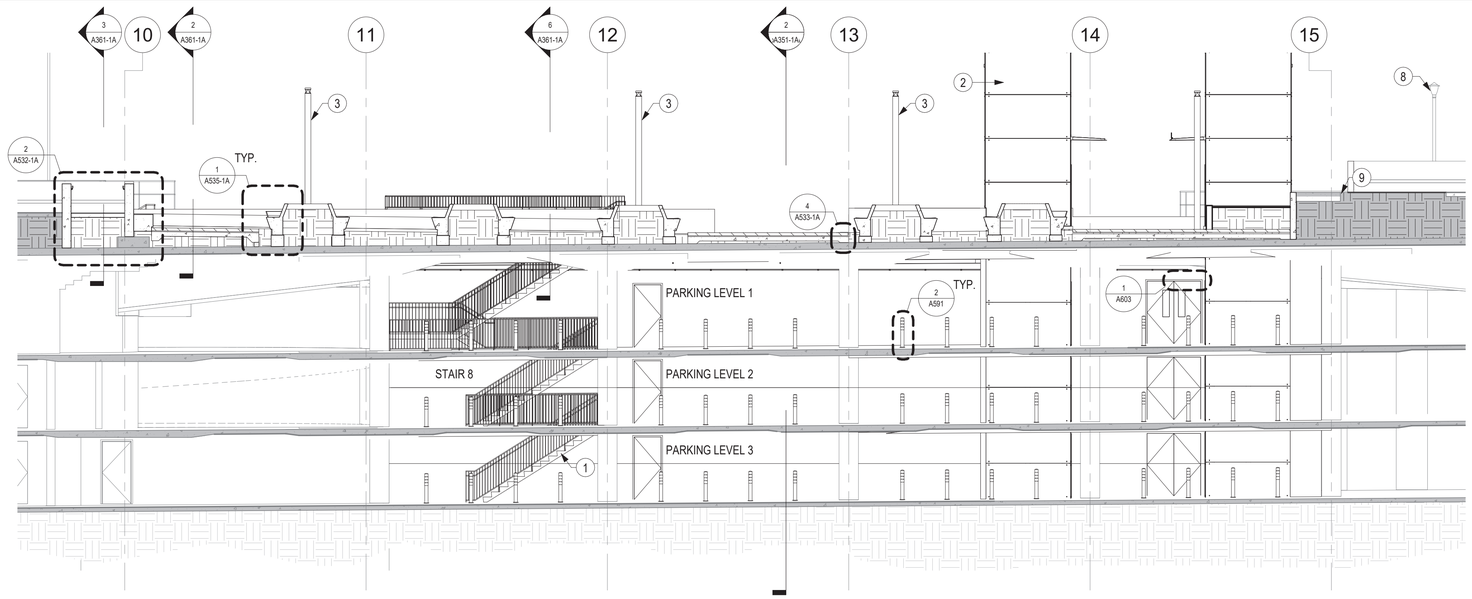
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A281-1A

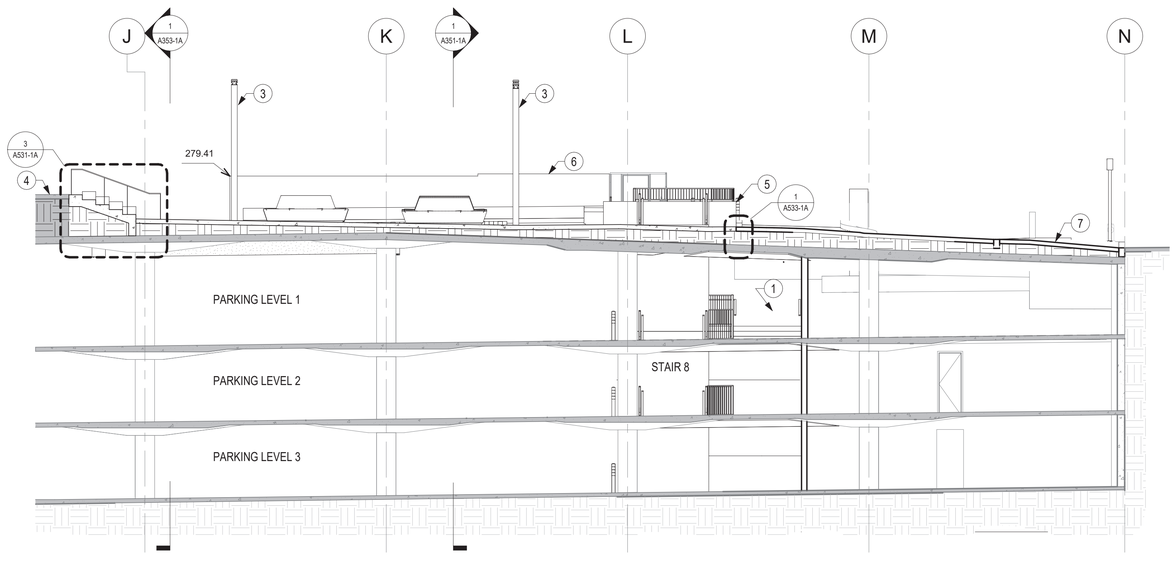
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:50:45 AM



1 PLAZA SECTION

SCALE: 1/8" = 1'-0"



2 PLAZA CROSS SECTION

SCALE: 1/8" = 1'-0"

KEYNOTES

1 CONCRETE STAIRS WITH METAL HANDRAILS AND GUARDRAILS.
2 (N) ELEVATORS - GRADE TO PARKING LEVELS 1-3. ENCASED IN GLASS ALL LEVELS.
3 (N) POLE MOUNTED LIGHTING, MTL-4 FINISH. SEE LIGHTING DRAWINGS FOR ADDITIONAL DETAILS.
4 (E) RAISED DECK, PROTECT IN PLACE.
5 (N) PLANTER WITH CONCRETE/CMU WALLS. WATERPROOF FOR PLANTING.
6 (N) CMU WALL WITH PLASTER, SEPARATING PLAY AREA AND PLAZA.
7 REPLACED DRIVE AISLE SURFACE, GRADED FOR (N) ACESSIBLE WALKWAY FROM STREET.
8 (E) LAMP POST AND CONCRETE FOOTING. PROTECT IN PLACE.
9 (E) PLAZA.

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SECTIONS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

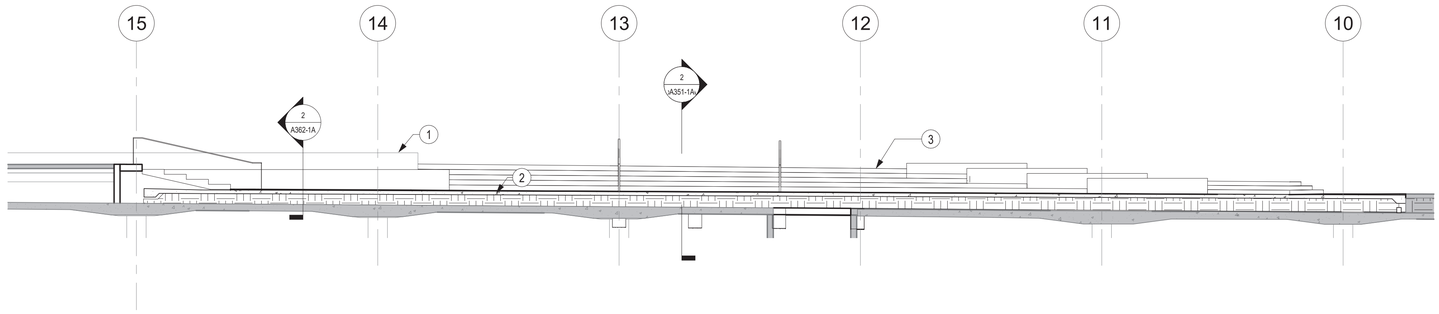
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A351-1A

SHEET OF SHEETS

PLOTTED: 11/5/2021 3:22:39 PM



1 OLIVE ST PLAZA AND STAIR TO (E) PLAZA

SCALE: 1/8" = 1'-0"

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OFFICIAL RECORD

KEYNOTES

1 PROTECT (E) PLANTER WALL.
2 (N) PLAZA DECK. LOWERED TO COORDINATE WITH ELEVATORS FOR CONNECTING PHASE 3 PROPOSED ELEVATION. DECK TO BE PAVERS.
3 (N) CONCRETE STEPS TO (E) PLAZA.
4 (E) RAISED, STEPPED PLAZA. PROTECT CUT EDGE.

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SECTIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A353-1A

SHEET OF SHEETS

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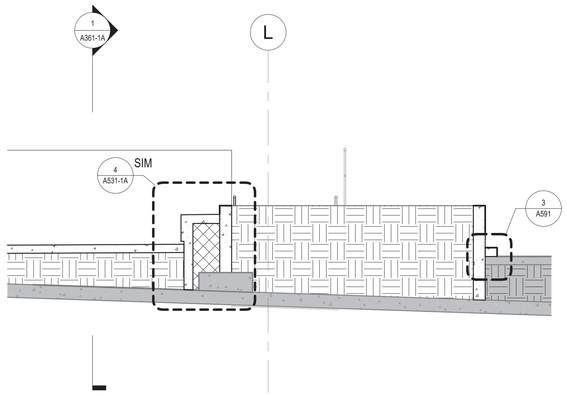
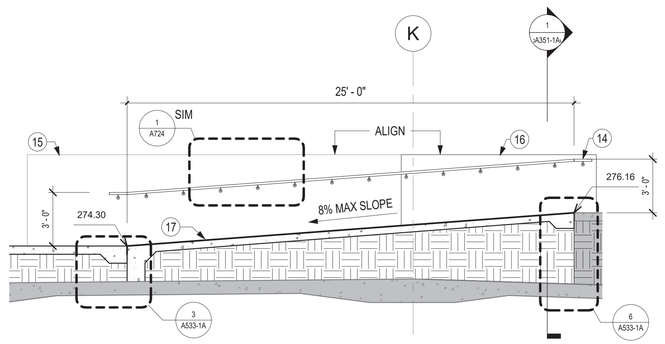
REVISION DATES (DESIGN STAGE ONLY)



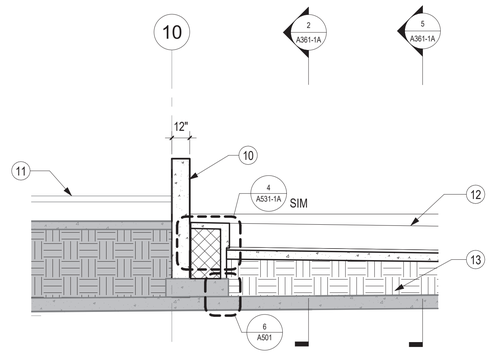
5 PLANTER AT PLAZA BENCH

SCALE: 1/4" = 1'-0"



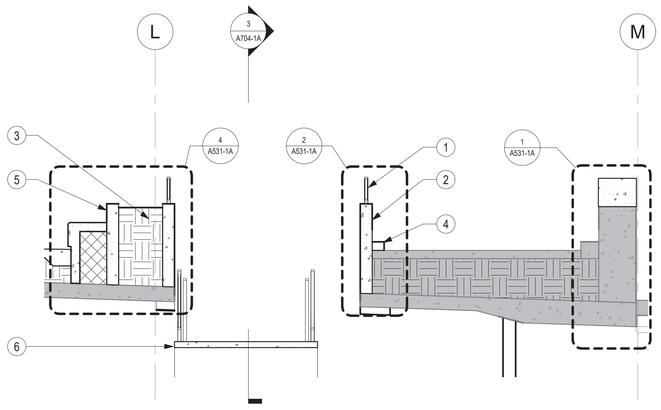
3 PLAY AREA RAMP

SCALE: 1/4" = 1'-0"



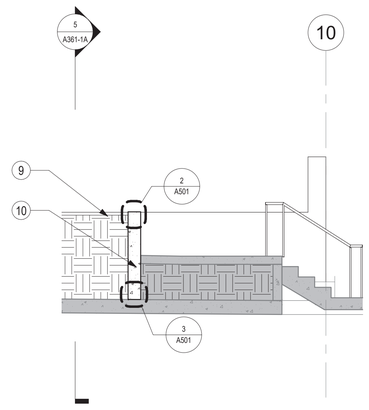
1 PLAZA AT PLAYGROUND WALL

SCALE: 1/4" = 1'-0"



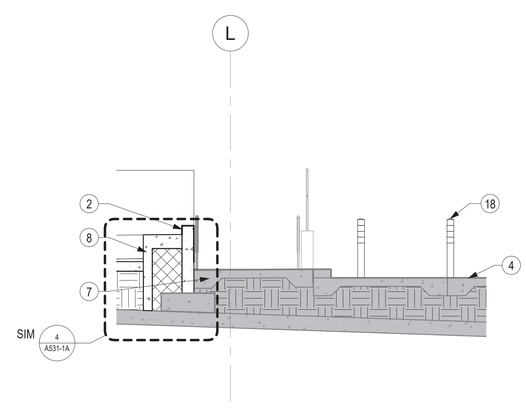
6 STAIR AND PLANTER

SCALE: 1/4" = 1'-0"



4 CAGED STAIR AT DRIVE AISLE CROSS SECTION

SCALE: 1/4" = 1'-0"



2 CAGED STAIR AT DRIVE AISLE

SCALE: 1/4" = 1'-0"

KEYNOTES

1 METAL GUARDRAIL.
2 FOUNDATION WALL.
3 CONCRETE CURB.
4 (E) CONCRETE DRIVE.
5 CONCRETE FOUNDATION WALL AROUND PLANTER.
6 CONCRETE STAIRS WITH METAL HANDRAILS AND GUARDRAILS.
7 (E) CONCRETE DECK.
8 CONCRETE BENCH ALONG TWO SIDES OF PLAZA.
9 REVITALIZED LANDSCAPE AREA/TREES.
10 (N) CONCRETE WALL.
11 (E) CONCRETE BENCH.
12 (N) CONCRETE BENCH, REFER TO LANDSCAPE DRAWING FOR SKATEBOARD DETERENTS.
13 ROOT CELL TYPE DRAINAGE SYSTEM.

KEYNOTES

14 (N) METAL HANDRAILS, SEE 3/A724.
15 (E) RAMP WALL.
16 (N) RAMP WALL, MATCH TO EXISTING.
17 (N) CONCRETE RAMP.
18 (N) BOLLARDS AT CAGED STAIR, PAINT PT-5. STRIPE AREA AS INDICATED IN PLAN. REFER TO DETAIL 2/A591 FOR BOLLARDS.

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 11/08/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

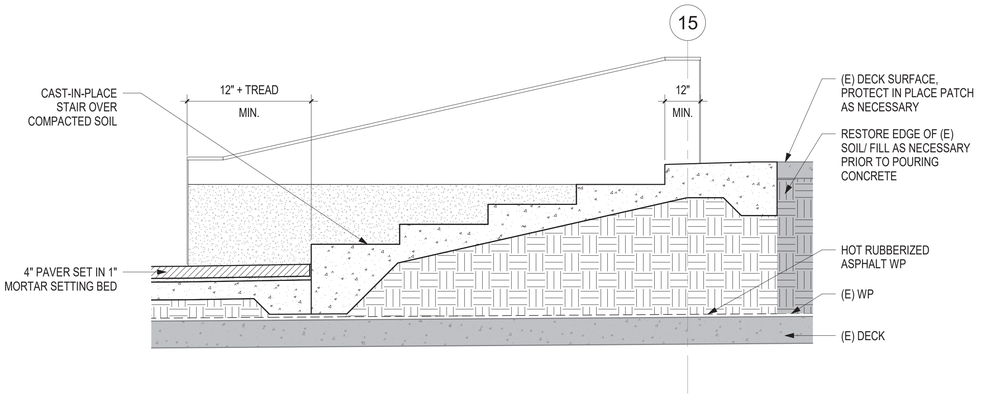
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

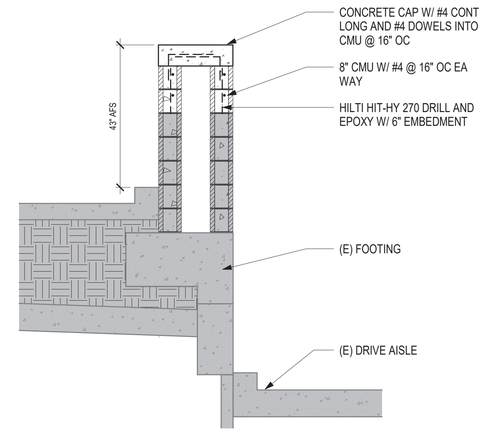
WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A361-1A
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:50:58 AM



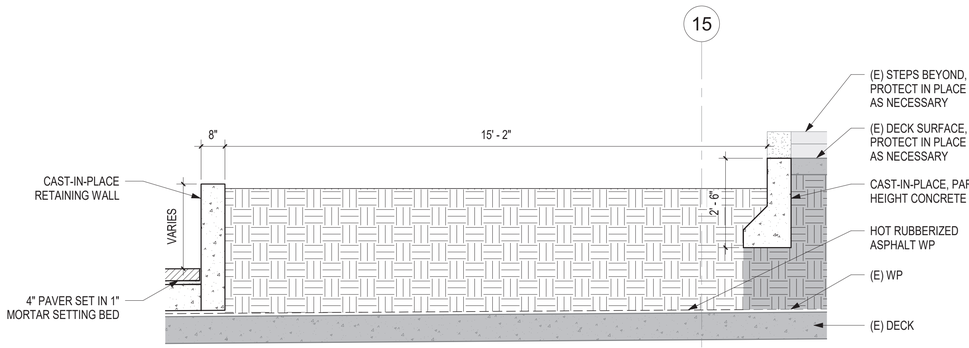
4 TRANSITION TO PLAZA - STEPS

SCALE: 1/2" = 1'-0"



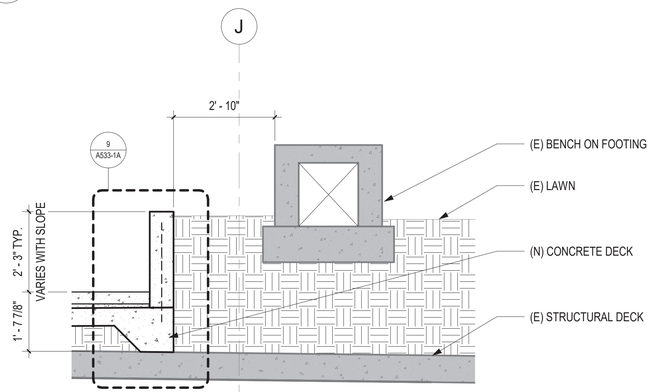
1 REDUCED DRIVE AISLE WALL

SCALE: 1/2" = 1'-0"



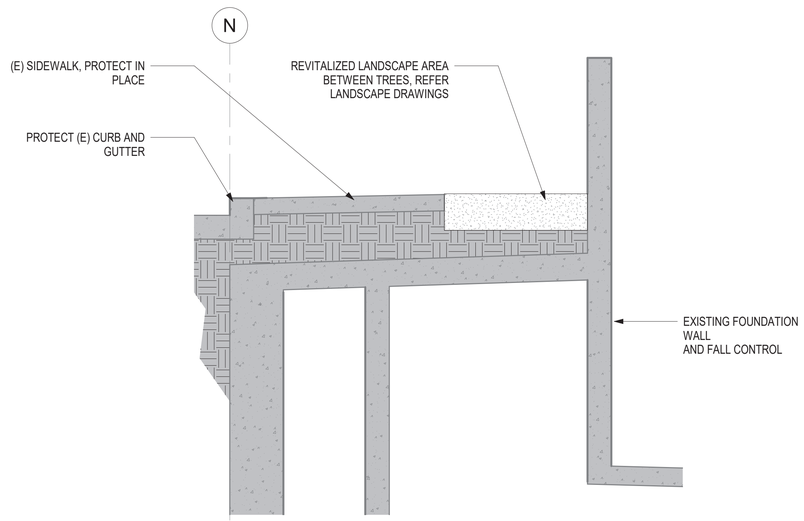
5 TRANSITION TO PLAZA - PLANTER

SCALE: 1/2" = 1'-0"



2 PHASE 1A - PLAZA WALL PLANTER

SCALE: 1/2" = 1'-0"



3 OLIVE STREET - STREETSCAPE

SCALE: 1/2" = 1'-0"

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REVISION DATE: 11/3/2021 8:51:02 AM

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INDEX NO.

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER | DATE: 11/08/201

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD | LIC. NO. C23665 | DATE: 12/16/20

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERGE, A.I.A., PRINCIPAL ARCHITECT | 11/08/20

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WALL SECTIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

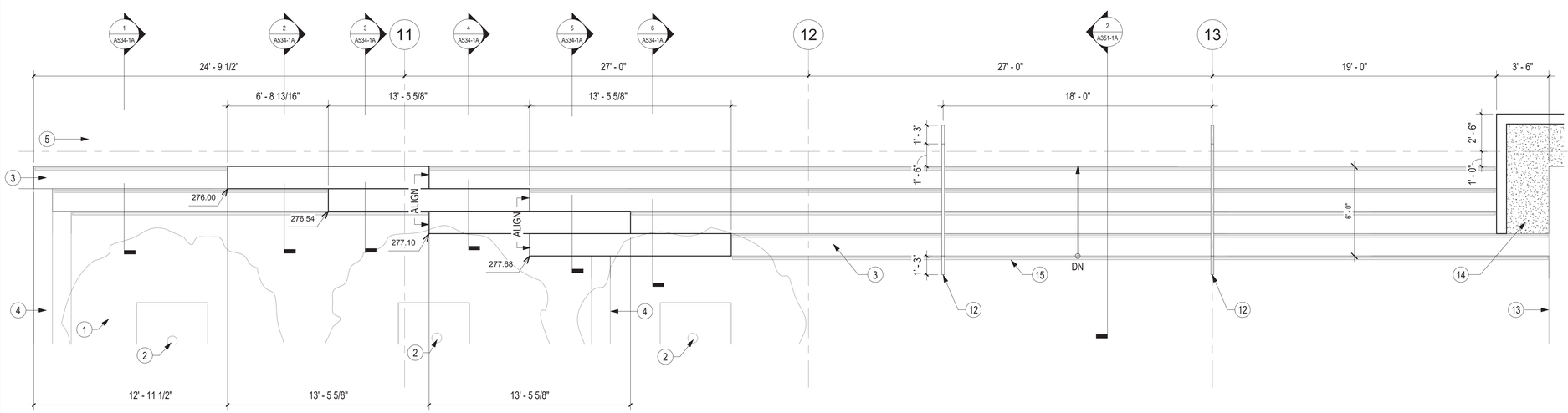
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
A362-1A

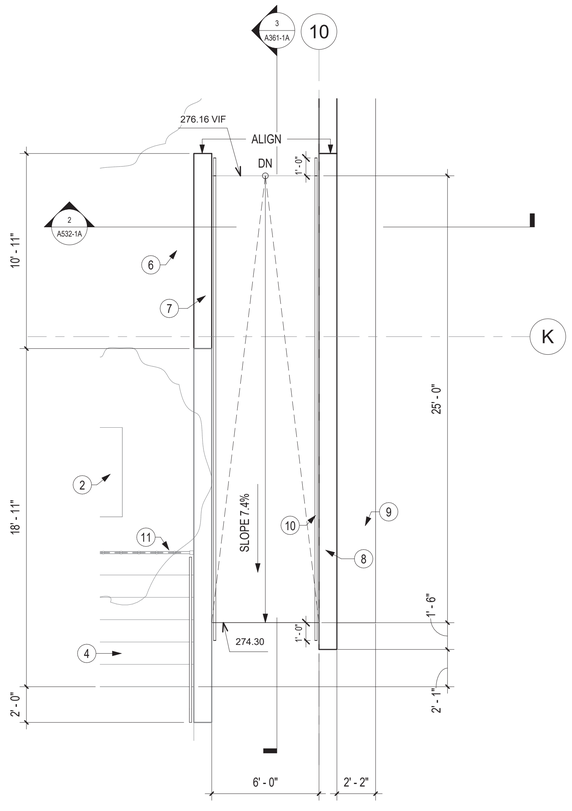
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:51:02 AM



1 STEPPED PLAZA STAIR

SCALE: 1/4" = 1'-0"



2 PLAY AREA RAMP

SCALE: 1/4" = 1'-0"

KEYNOTES

1 (E) CONCRETE PLAZA.
2 PROTECT (E) TREES IN PLACE. TYPICAL.
3 (N) CONCRETE STEPS TO (E) PLAZA.
4 (E) STAIRS. PROTECT IN PLACE.
5 (N) PLAZA DECK. LOWERED TO COORDINATE WITH ELEVATORS FOR CONNECTING PHASE 3 PROPOSED ELEVATION. DECK TO BE PAVERS.
6 (E) RUBBERIZED SAFETY SURFACE. PROTECT IN PLACE.
7 EXTENDED RAMP WALL. MATCH TO REMAINING (E) RAMP WALL.
8 (N) RAMP WALL.
9 (N) CONCRETE BENCH, REFER TO LANDSCAPE DRAWING FOR SKATEBOARD DETERENTS.
10 (N) METAL HANDRAILS, BOTH SIDES.
11 (E) METAL FENCE. PROTECT IN PLACE.
12 (N) HANDRAIL.
13 (E) CONCRETE BENCH.
14 (N) PLANTER.
15 CONTRAST STRIPING ON ALL STEPS OF EXTERIOR STAIRCASES.

LEGEND

EXISTING WALL

NEW WALL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH SCHEDULE AND ROOM SCHEDULE, SHEET A641.
B. FOR HARDSCAPE FINISH SCHEDULE, SEE LANDSCAPE DRAWINGS.
C. (N) POLE LIGHT TO BE MTL-4 FINISH.
D. (N) METAL HANDRAILS AND GUARDRAILS TO BE MTL-5 FINISH.

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:
-			

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - PLAZA TRANSITIONS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A401-1A
SHEET OF SHEETS

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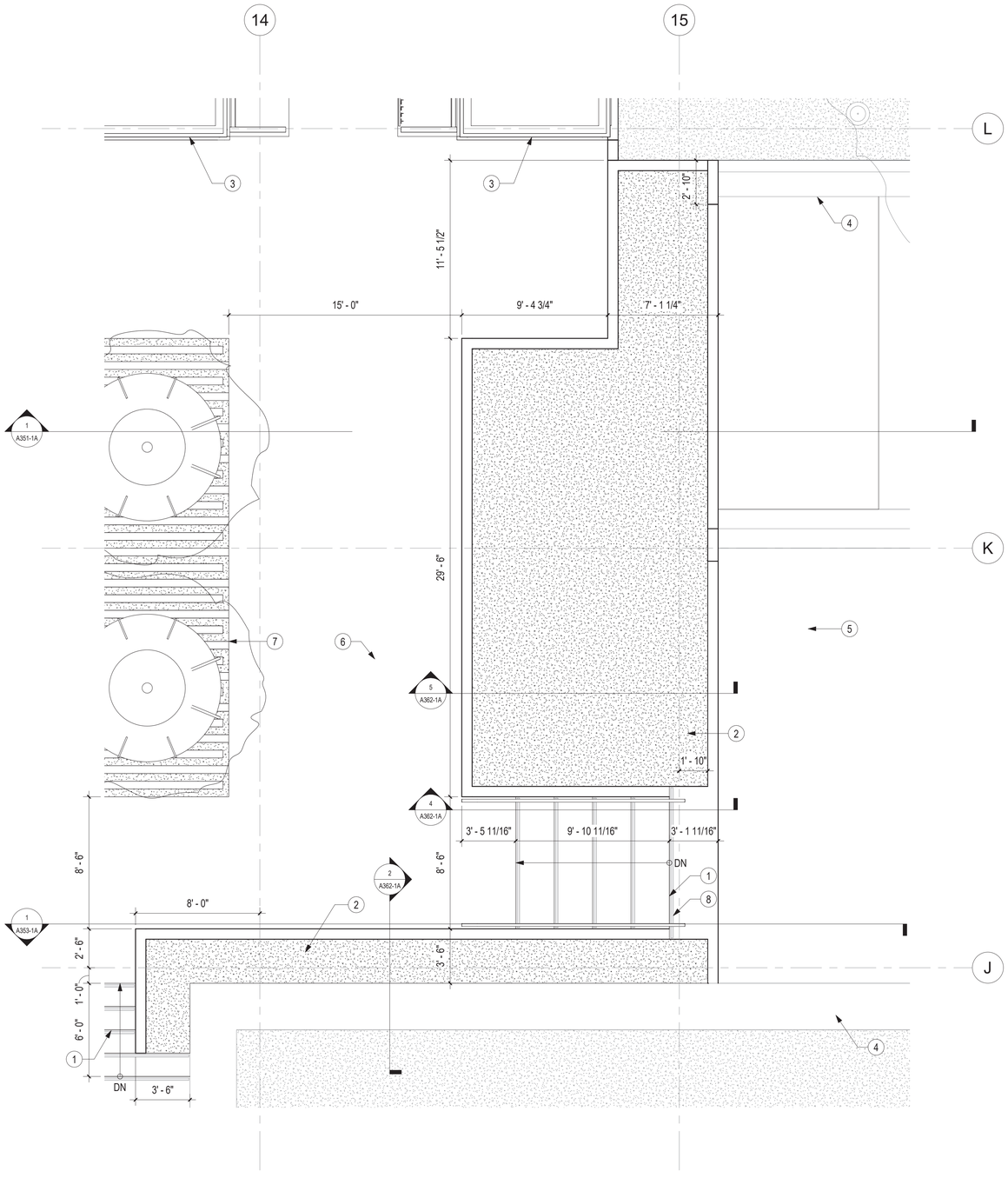

1 OLIVE STREET PLAZA - EAST EDGE

SCALE: 1/4" = 1'-0"

KEYNOTES

1 (N) CONCRETE STEPS TO (E) PLAZA.
2 (N) PLANTER.
3 (N) ELEVATOR.
4 (E) CONCRETE BENCH, PROTECT IN PLACE.
5 (E) CONCRETE PLAZA.
6 (N) PLAZA DECK. LOWERED TO COORDINATE WITH ELEVATORS FOR CONNECTING PHASE 3 PROPOSED ELEVATION. DECK TO BE PAVERS.
7 GRASSCRETE PAVERS, REFER TO LANDSCAPE DRAWINGS.
8 CONTRAST STRIPING ON ALL STEPS OF EXTERIOR STAIRCASES.

LEGEND

EXISTING WALL
NEW WALL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH SCHEDULE AND ROOM SCHEDULE, SHEET A641.
B. FOR HARDSCAPE FINISH SCHEDULE, SEE LANDSCAPE DRAWINGS.
C. (N) POLE LIGHT TO BE MTL-4 FINISH.
D. (N) METAL HANDRAILS AND GUARDRAILS TO BE MTL-5 FINISH.

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NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 11/08/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT DATE: 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - PLAZA TRANSITIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A402-1A

SHEET OF SHEETS

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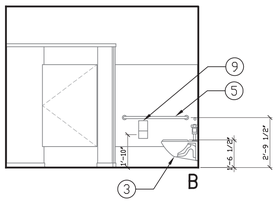
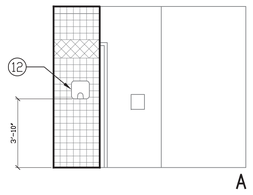
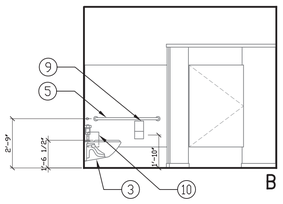
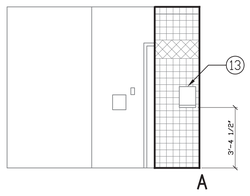




4 MENS INTERIOR ELEV

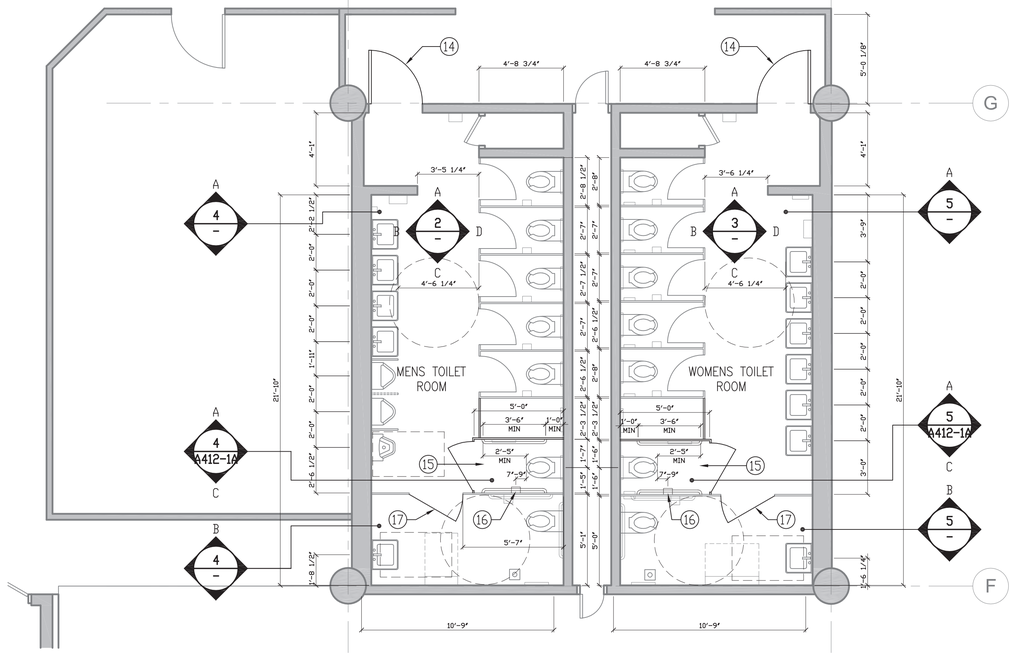
SCALE: 1/4" = 1'-0"





5 WOMENS INTERIOR ELEV

SCALE: 1/4" = 1'-0"

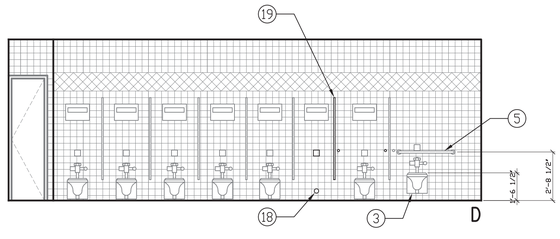


1 TOILET ROOM FLOOR PLAN

SCALE: 1/4" = 1'-0"

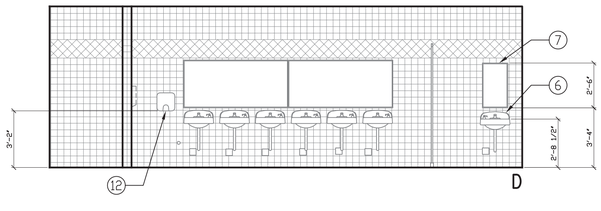
KEYNOTES

1. 60" DIA TURNING RADIUS
2. 30"x48" CLEAR FLOOR SPACE
3. (E) ADA TOILET
4. (E) ADA URINAL
5. (E) GRAB BARS
6. (E) ADA SINK
7. (E) MIRROR
8. (E) SEAT COVER DISPENSER
9. (E) TOILET PAPER DISPENSER
10. (E) SANITARY NAPKIN RECEPTACLE
11. (E) BABY CHANGE TABLE
12. (E) AIR HAND DRYER
13. (E) PAPER TOWEL DISPENSER
14. REVERSE (E) DOOR SWING TO OPEN AWAY FROM THE TOILET ROOM
15. NEW AMBULATORY STALL
16. RELOCATE TOILET PAPER DISPENSER, PROVIDE 1 1/2" MIN CLEARANCE BELOW GRAB BAR
17. REVERSE DOOR SWING IN ADA STALL, INSTALL NEW HARDWARE AND SELF CLOSING HINGE
18. CAP PLUMBING WHERE WATER CLOSET IS REMOVED
19. (N) PARTITION AND DOOR, MATCH EXISTING PARTITION MATERIALS AND HEIGHTS



2 MENS INTERIOR ELEV

SCALE: 1/4" = 1'-0"



3 WOMENS INTERIOR ELEV

SCALE: 1/4" = 1'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. **MF-300492**

NO.	REVISIONS:	DATE:	BY:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/21
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LEVEL P1 TOILET ROOMS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A411-1A

SHEET SHEETS OF

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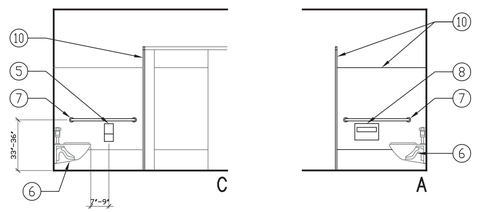
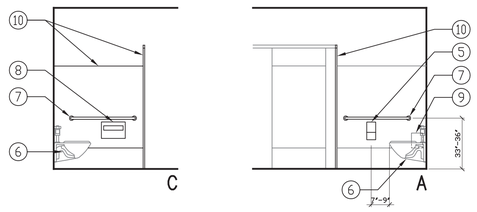
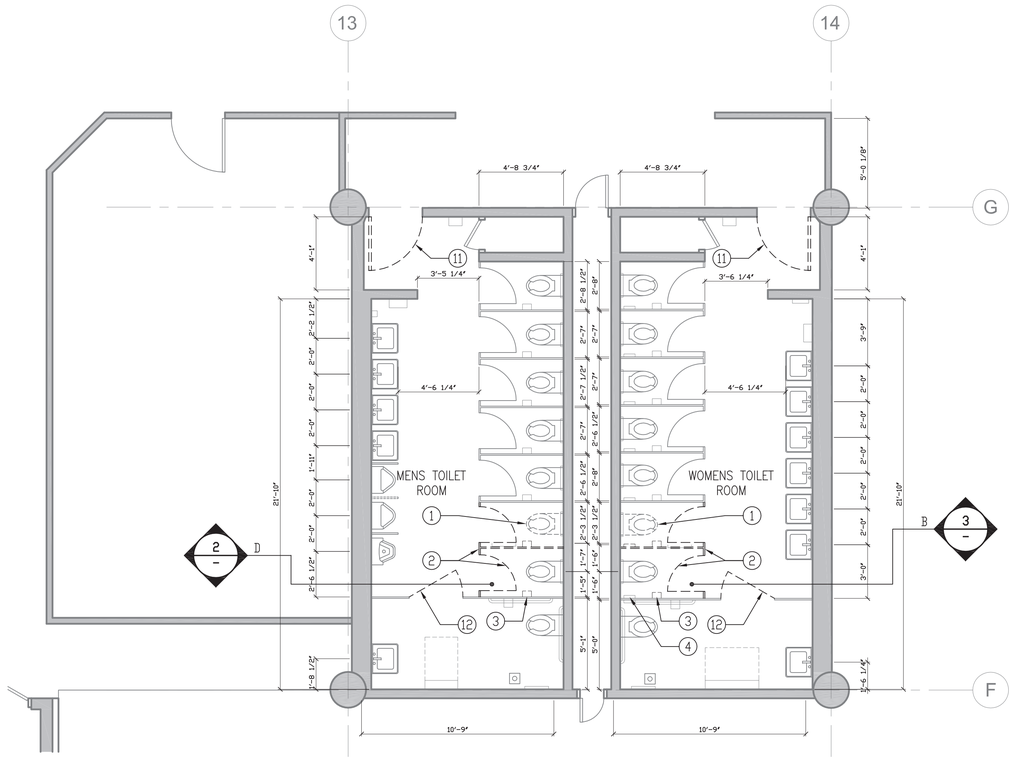


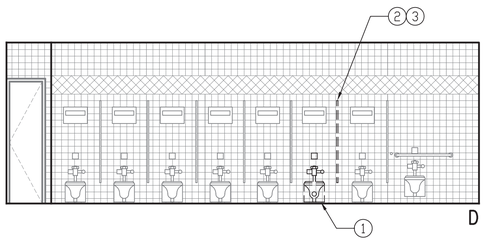
4 MENS AMBULATORY STALL
SCALE: 1/4" = 1'-0"



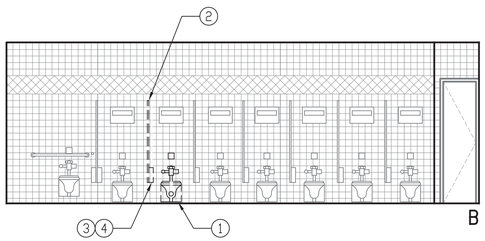
5 WOMENS AMBULATORY STALL
SCALE: 1/4" = 1'-0"



1 DEMO TOILET ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 DEMO MENS INTERIOR ELEV
SCALE: 1/4" = 1'-0"



3 DEMO WOMENS INTERIOR ELEV
SCALE: 1/4" = 1'-0"

KEYNOTES

1. REMOVE WATER CLOSET AND CAP PLUMBING. TURNOVER WATER CLOSET TO PERSHING SQUARE MAINTENANCE
2. REMOVE (E) PARTITION AND DOORS
3. REMOVE (E) TOILET PAPER DISPENSER
4. REMOVE (E) SANITARY NAPKIN RECEPTACLE, PROTECT IN PLACE
5. RELOCATE (E) TOILET PAPER DISPENSER, TOP OF DISPENSER 1 1/2" BELOW BOTTOM OF GRAB BAR
6. (E) WATER CLOSET, PROTECT IN PLACE
7. (N) GRAB BARS AT 33"-36" AFF
8. (N) SEAT COVER 1 1/2" BELOW BOTTOM OF GRAB BAR
9. (E) SANITARY NAPKIN RECEPTACLE
10. (N) PARTITION AND DOOR, MATCH EXISTING PARTITION MATERIALS AND HEIGHTS
11. REMOVE DOOR AND CHANGE DOOR TO SWING OUT
12. REVERSE DOOR SWING IN ADA STALL, INSTALL (N) HARDWARE (ADA) AND SELF CLOSING HINGE

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/21

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: LEVEL P1 TOILET ROOMS - DEMO

PROJECT: PERSHING SQUARE RENOVTION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A412-1A

SHEET OF SHEETS

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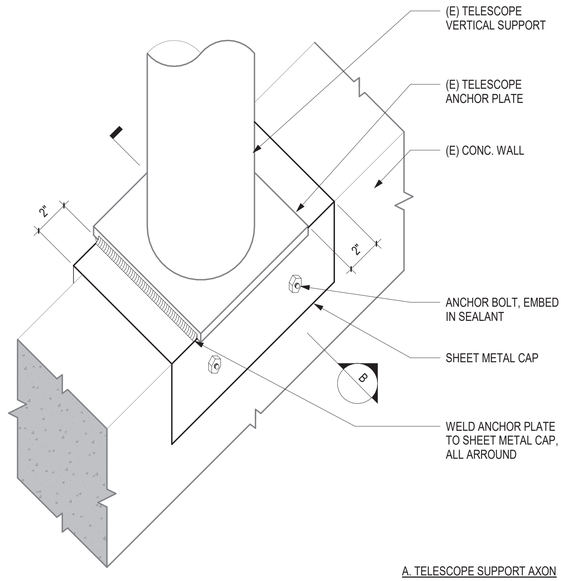
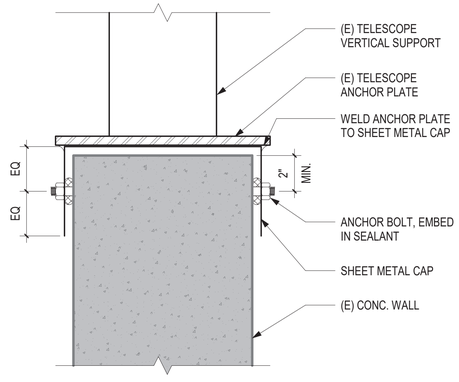


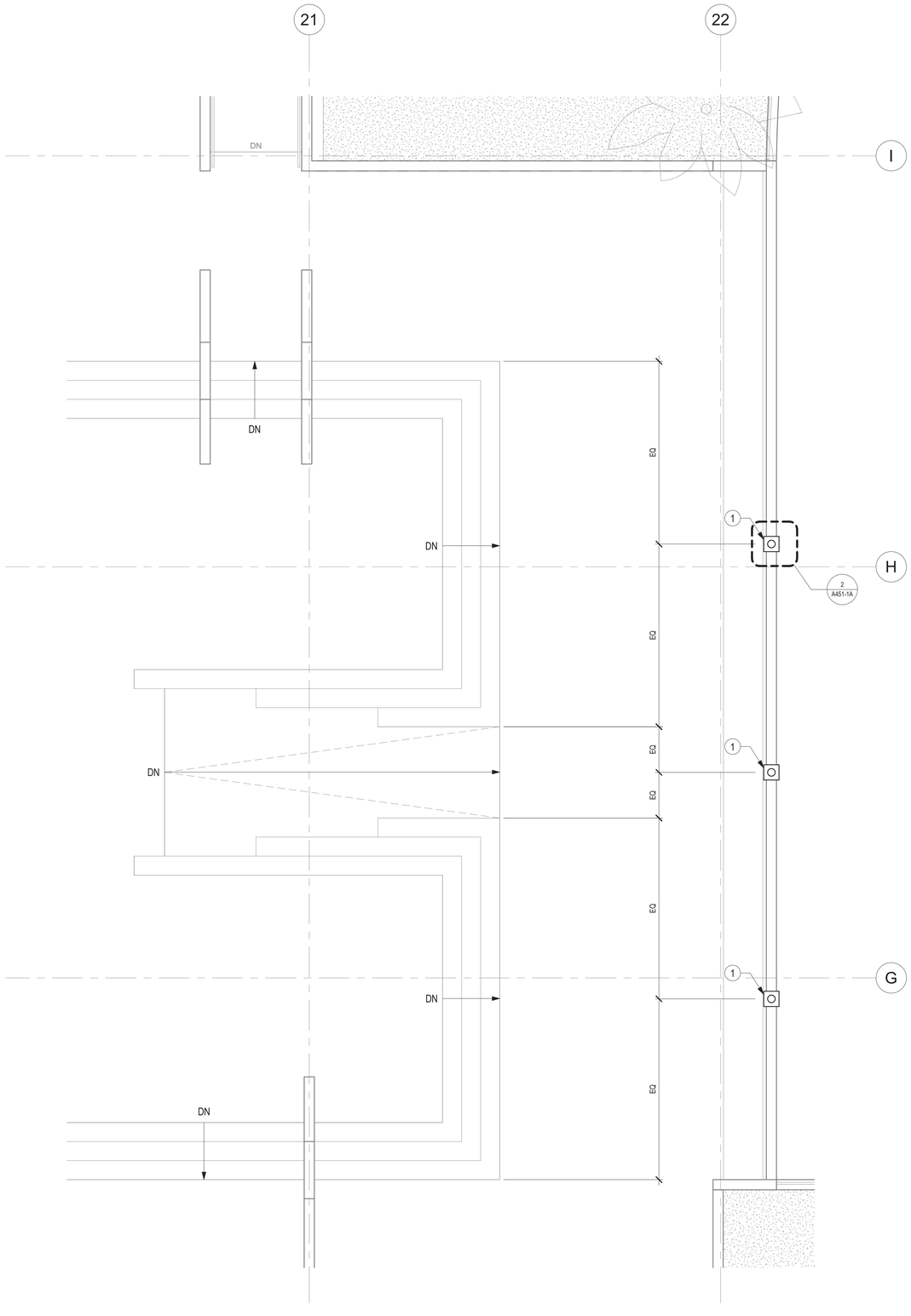
A. TELESCOPE SUPPORT AXON



B. TELESCOPE SUPPORT DETAIL

2 TELESCOPE BASE DETAIL

SCALE: 3" = 1'-0"



KEYNOTES

1 (E) TELESCOPE TO RELOCATE AND ATTACH TO (E) WALL.

1 ENLARGED PLAZA PLAN - MONUMENT RELOCATION

SCALE: 1/4" = 1'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP

		DATE:
ARCHITECTURAL DIVISION		11/08/2021
ARCHITECT: DEBRA GEROD	LIC. NO. C29365	12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: NG, CG		
CHECKED BY: JA		
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - MONUMENT RELOCATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A451-1A

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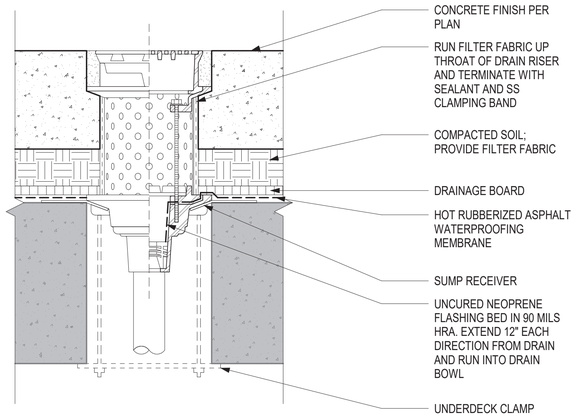
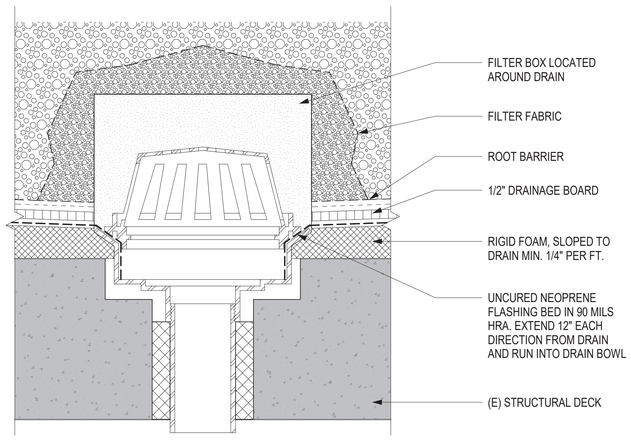


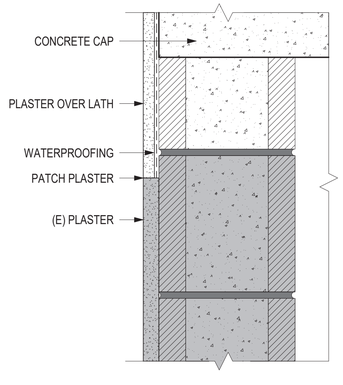
7 AREA DRAIN

SCALE: 3" = 1'-0"



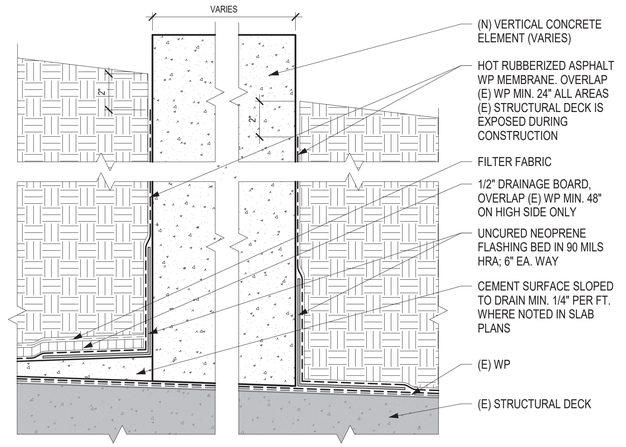
8 PLANTER DRAIN

SCALE: 3" = 1'-0"



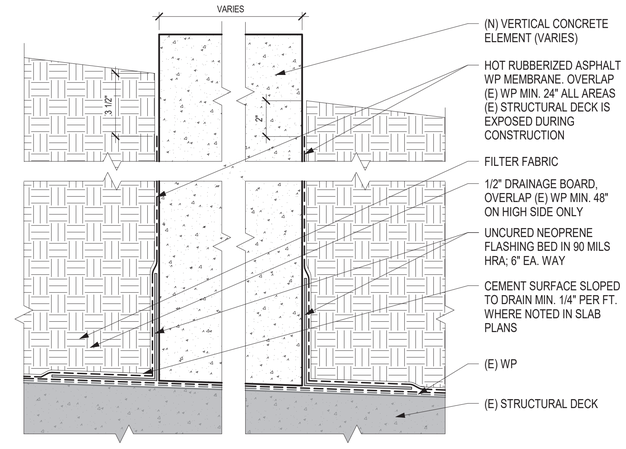
9 WP PLASTER AT CMU WALL

SCALE: 3" = 1'-0"



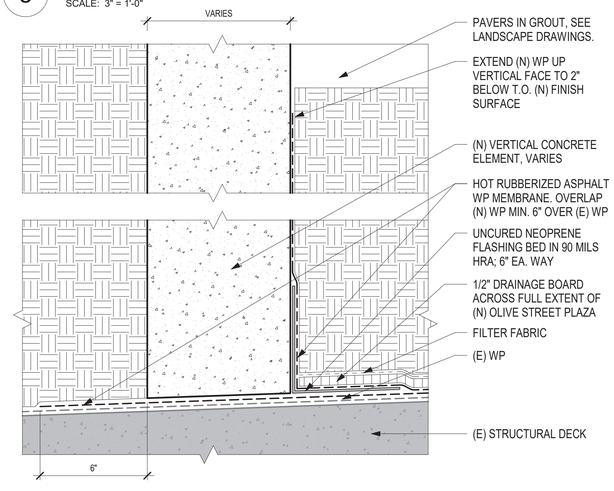
4 WP W/ DRAINAGE BOARD HIGH SIDE ONLY

SCALE: 3" = 1'-0"



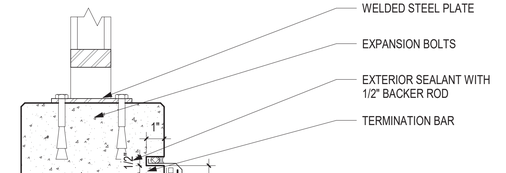
5 WP BOTH SIDES, NO DRAINAGE BOARD

SCALE: 3" = 1'-0"



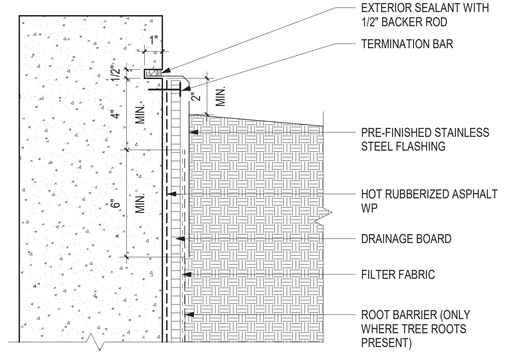
6 WP W/ DRAINAGE BOARD (N) SIDE ONLY

SCALE: 3" = 1'-0"



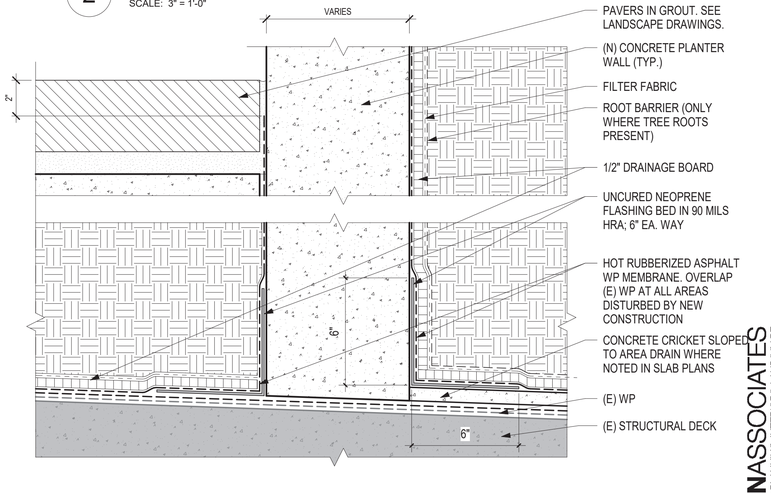
1 WP TERMINATION AT PLANTER WALL GUARDRAIL

SCALE: 3" = 1'-0"



2 WP TERMINATION AT PLANTER WALL

SCALE: 3" = 1'-0"



3 WP AT RAISED PLANTER WALL

SCALE: 3" = 1'-0"

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REVISION DATE: 11/3/2021 8:51:20 AM

BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP
DATE: 11/08/2021

ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: Approver

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: WATERPROOFING DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

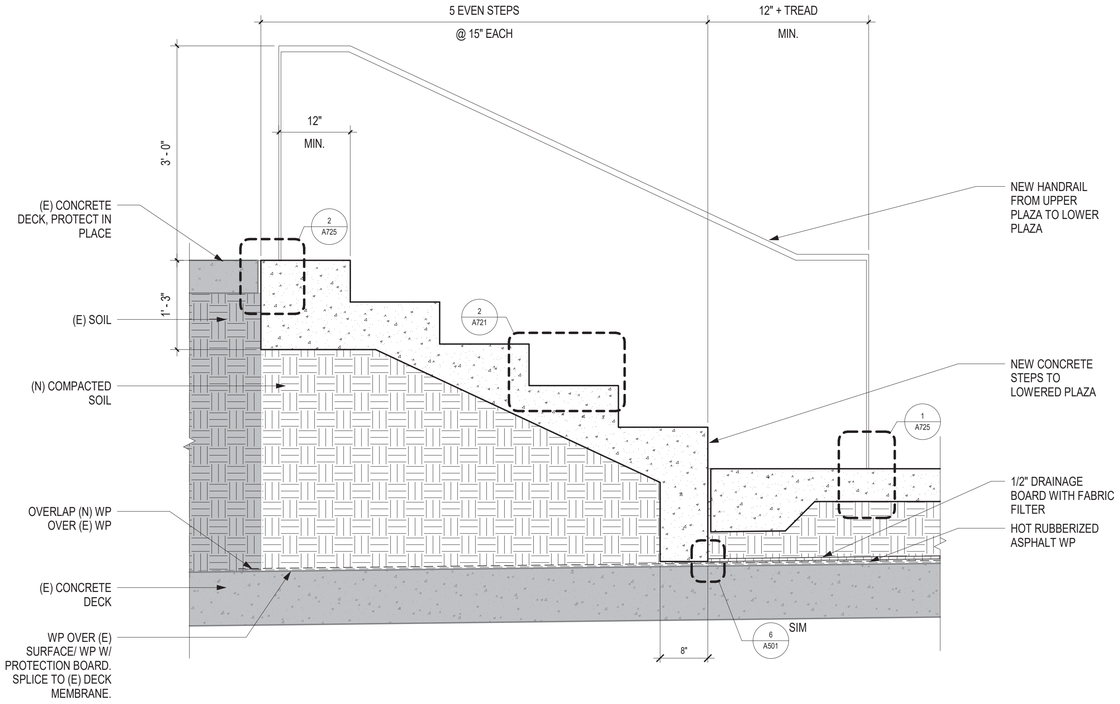
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A501

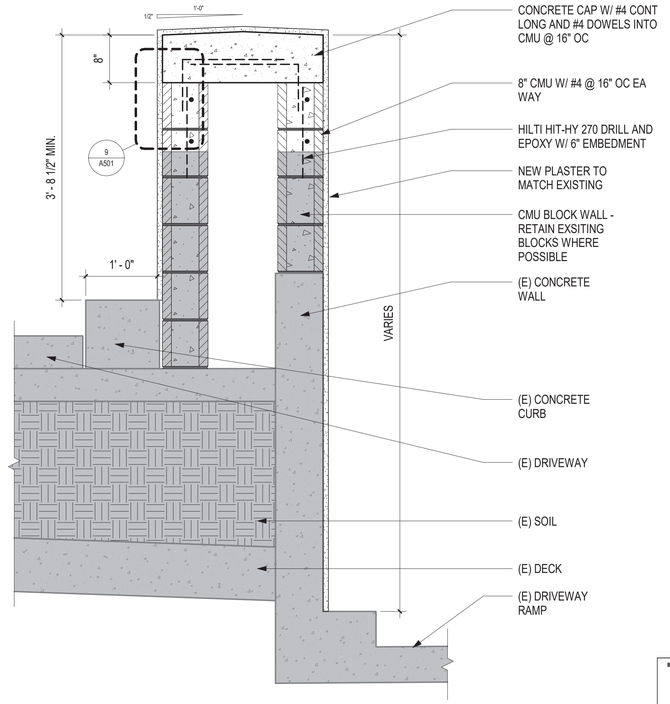
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:51:20 AM



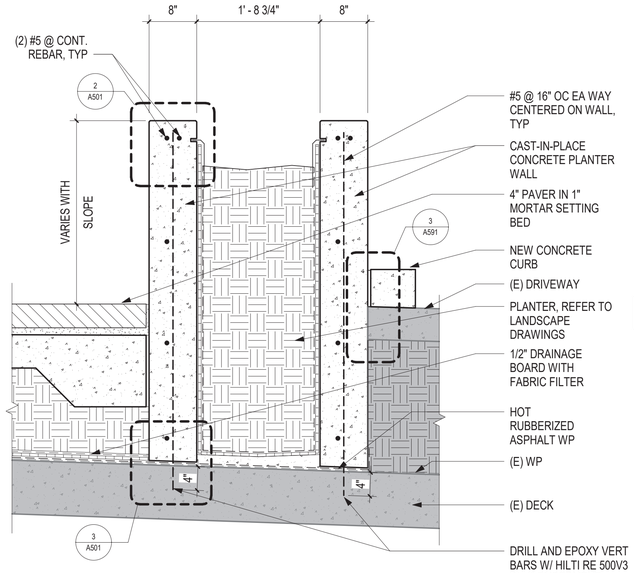
3 OLIVE STREET PLAZA STEPS

SCALE: 1" = 1'-0"



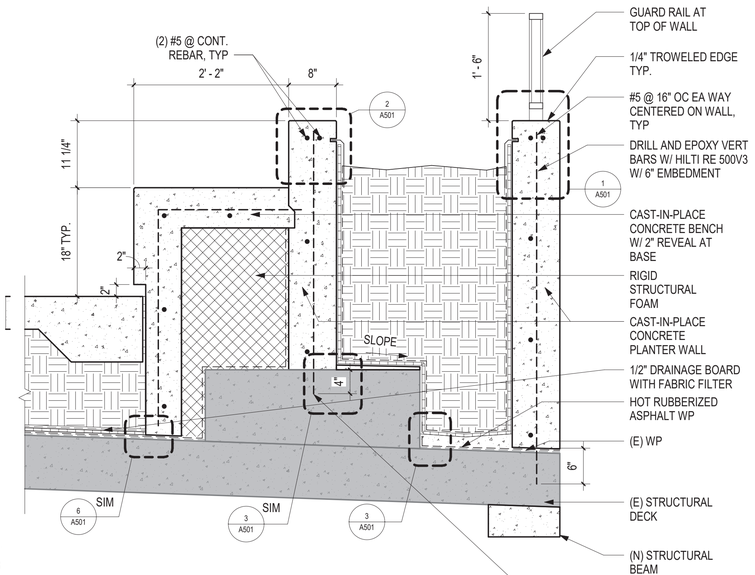
1 OLIVE STREET RAMP WALL

SCALE: 1" = 1'-0"



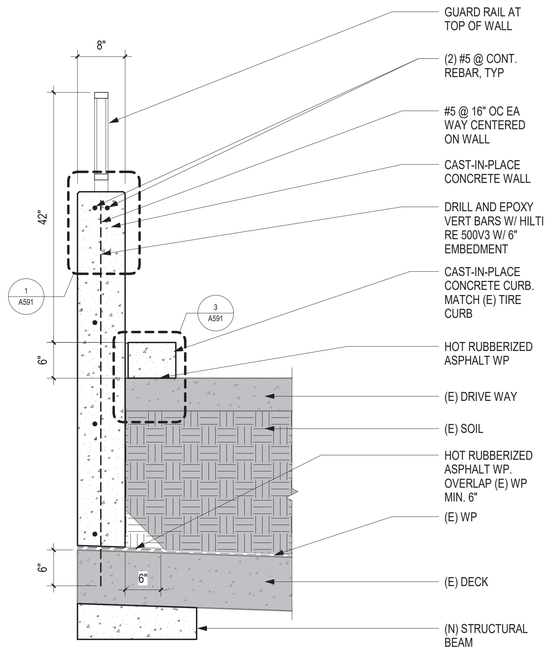
6 PLANTER AT DRIVE AISLE

SCALE: 1" = 1'-0"



4 PLANTER BENCH AT STAIRS

SCALE: 1" = 1'-0"



2 DRIVE AISLE WALL

SCALE: 1" = 1'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR WALL DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A531-1A

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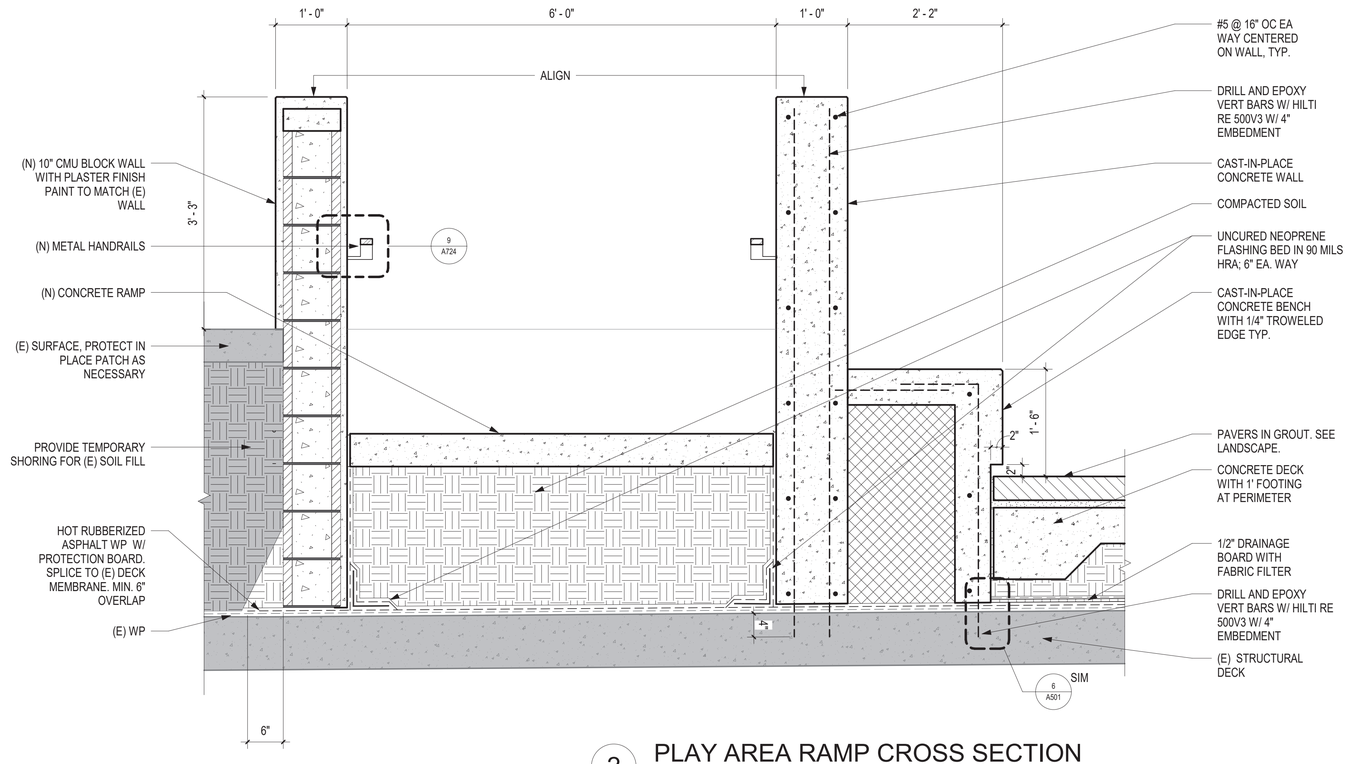

2 PLAY AREA RAMP CROSS SECTION

SCALE: 1" = 1'-0"

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INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

		DATE:
ARCHITECTURAL DIVISION		
ARCHITECT: DEBRA GEROD	LIC. NO. C23665	12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: NG, CG		
CHECKED BY: JA		11/08/201
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT		

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR WALL DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **A532-1A**

SHEET OF SHEETS

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REVISION DATE: 11/3/2021 8:51:24 AM

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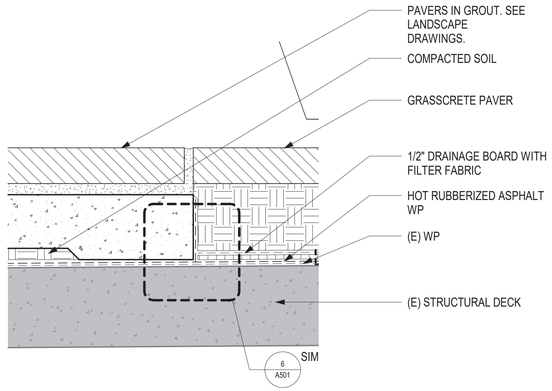
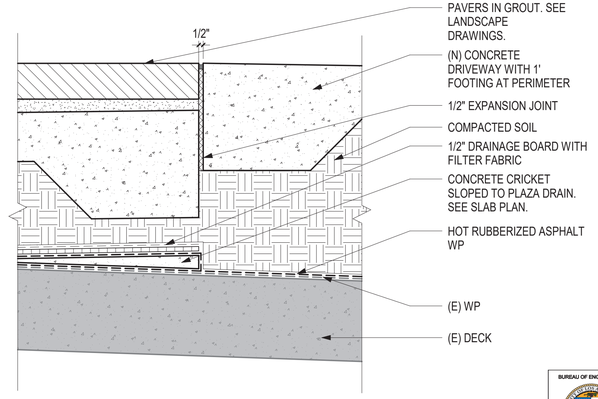


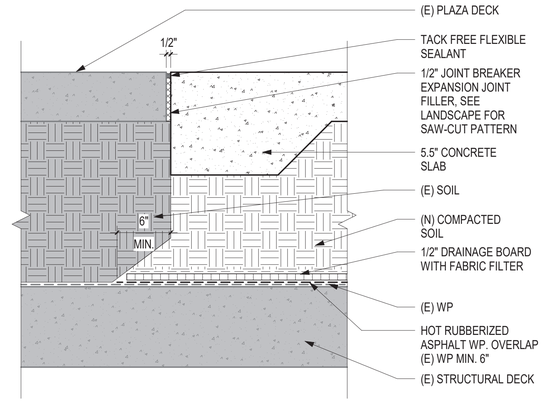
4 GRASSCRETE AT PAVERS

SCALE: 1 1/2" = 1'-0"



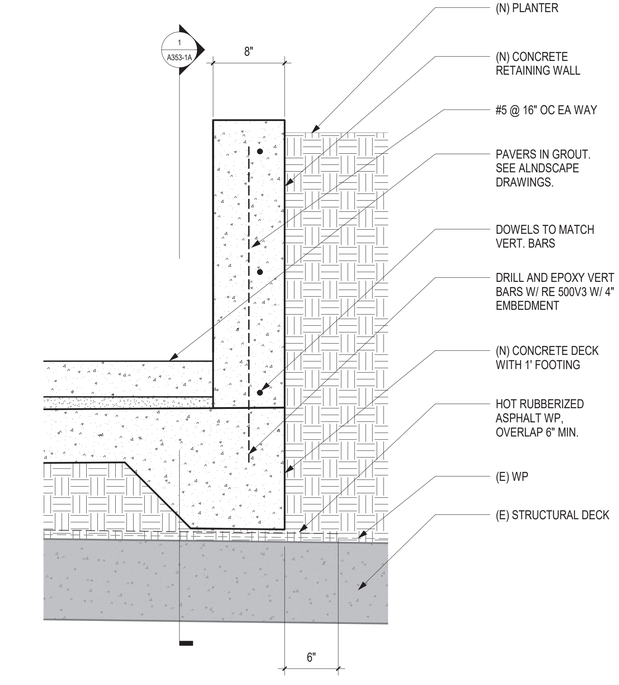
1 DRIVE AISLE TO PLAZA TRANSITION

SCALE: 1 1/2" = 1'-0"



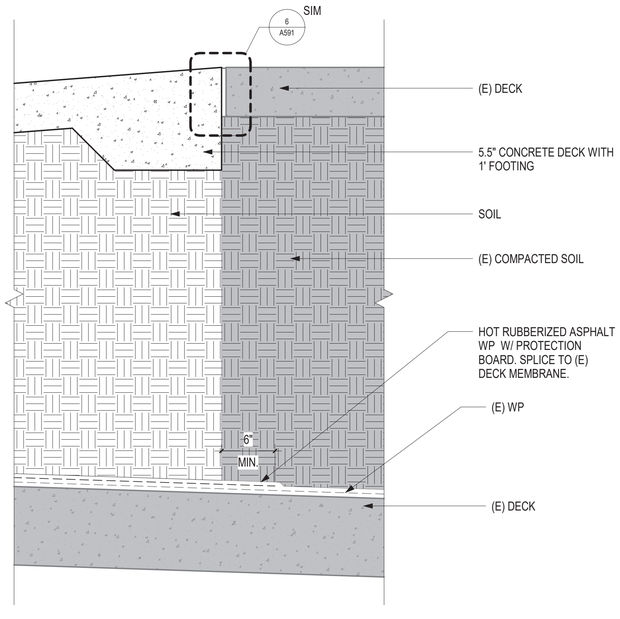
2 (E) CONCRETE TO CONCRETE TRANSITION

SCALE: 1 1/2" = 1'-0"



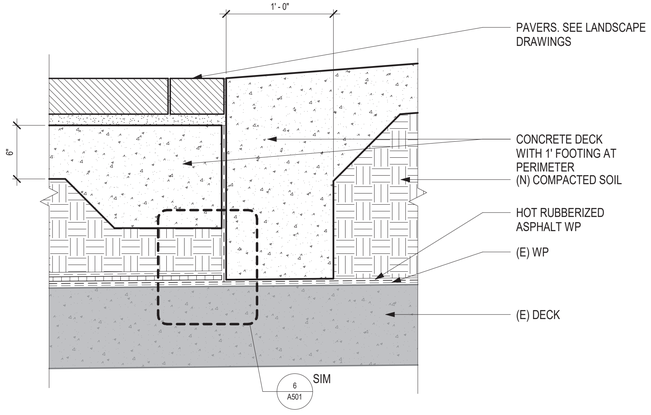
9 PHASE 1A - BENCH RETAINING WALL

SCALE: 1 1/2" = 1'-0"



6 PLAY AREA RAMP TOP TRANSITION

SCALE: 1 1/2" = 1'-0"



3 PLAY AREA RAMP TO CONCRETE TRANSITION

SCALE: 1 1/2" = 1'-0"

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BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER	GARY LEE MOORE, PE, ENV SP
DATE:	12/16/2021
ARCHITECTURAL DIVISION	
LIC. NO. C23665	
ARCHITECT: DEBRA GEROD	
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES	
DRAWN BY: NG, CG	
CHECKED BY: JA	
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT	11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR WALL DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A533-1A
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:51:27 AM

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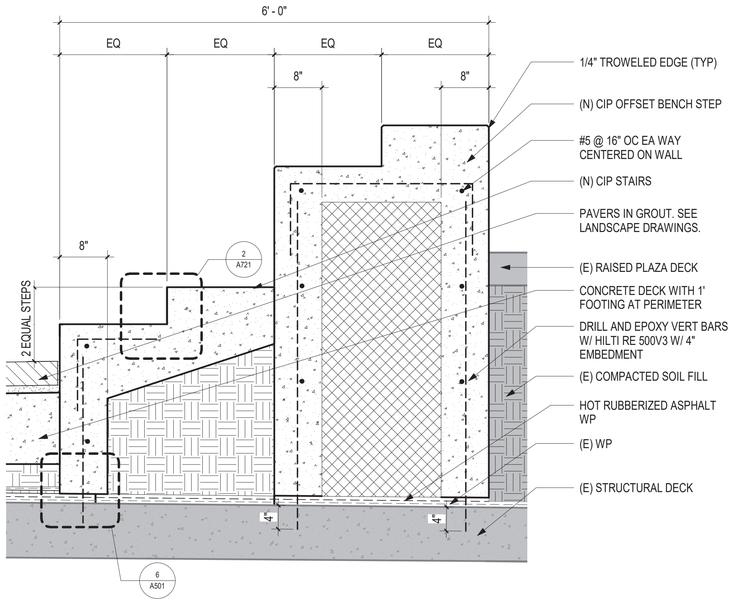
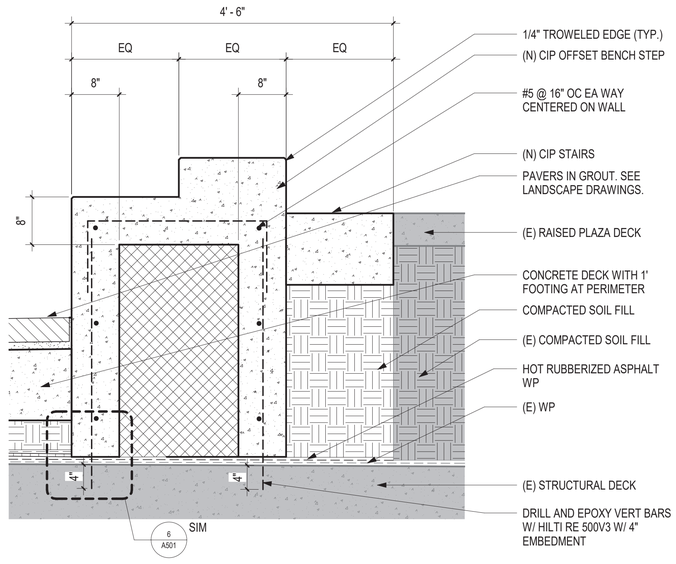


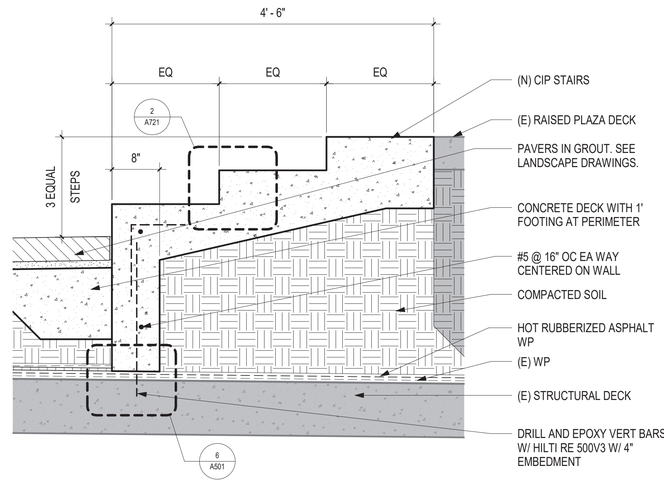
5 STEPPED PLAZA DETAIL AT 2 STEPS ON LEFT

SCALE: 1" = 1'-0"



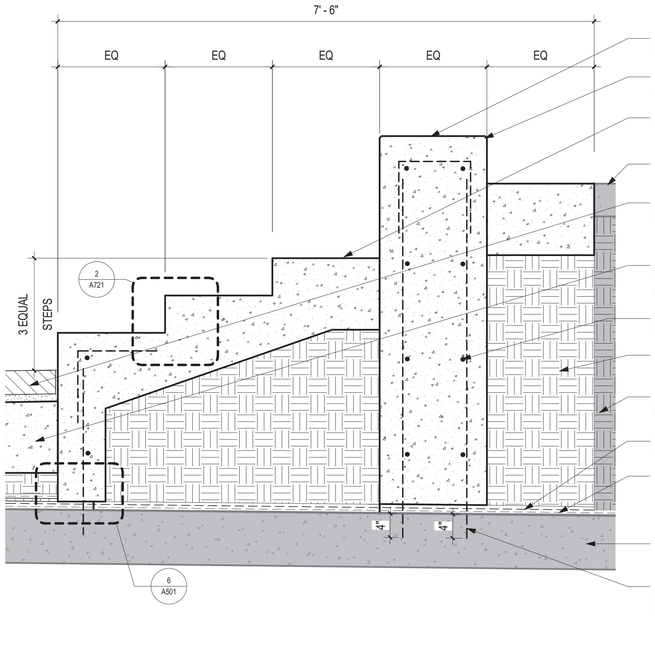
3 STEPPED PLAZA DETAIL AT 1 STEP ON RIGHT

SCALE: 1" = 1'-0"



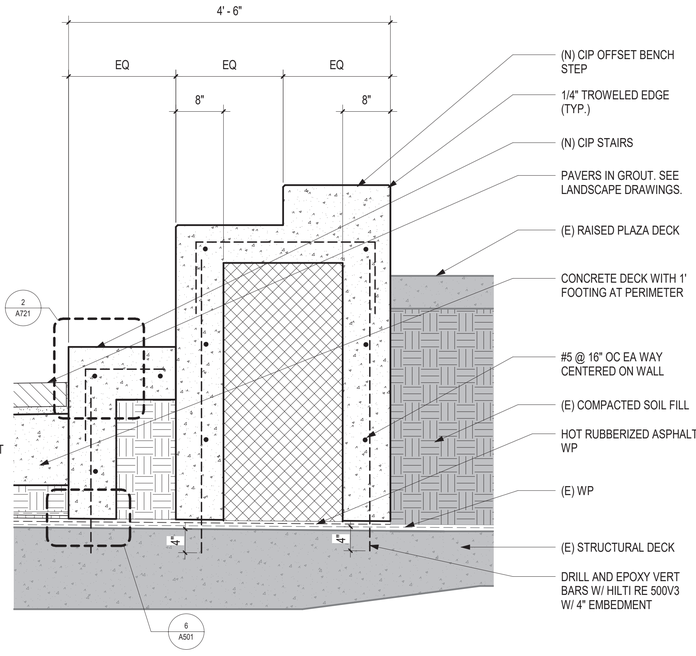
1 STEPPED PLAZA DETAIL AT CIP STAIRS

SCALE: 1" = 1'-0"



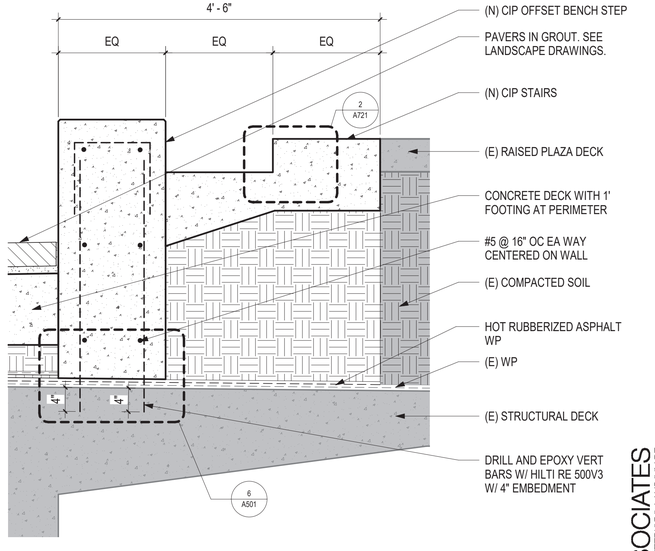
6 STEPED PLAZA DETAIL AT 3 STEPS ON LEFT

SCALE: 1" = 1'-0"



4 STEPPED PLAZA DETAIL AT 1 STEP ON LEFT

SCALE: 1" = 1'-0"



2 STEPPED PLAZA DETAIL AT 2 STEPS ON RIGHT

SCALE: 1" = 1'-0"

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INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, AIA, PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: STEPPED PLAZA TRANSITION DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A534-1A

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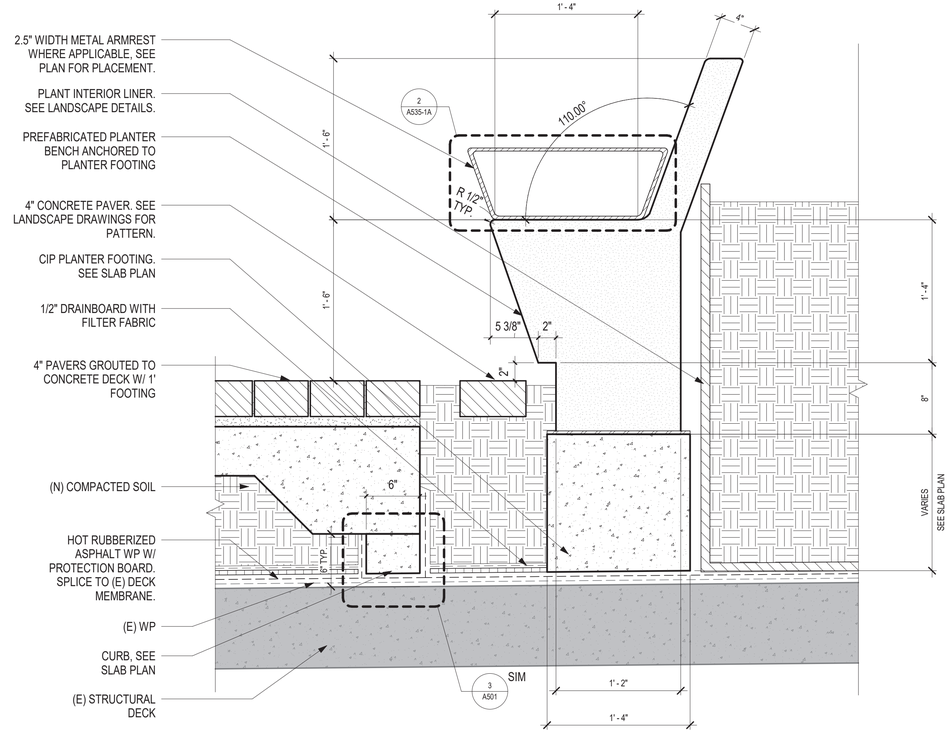
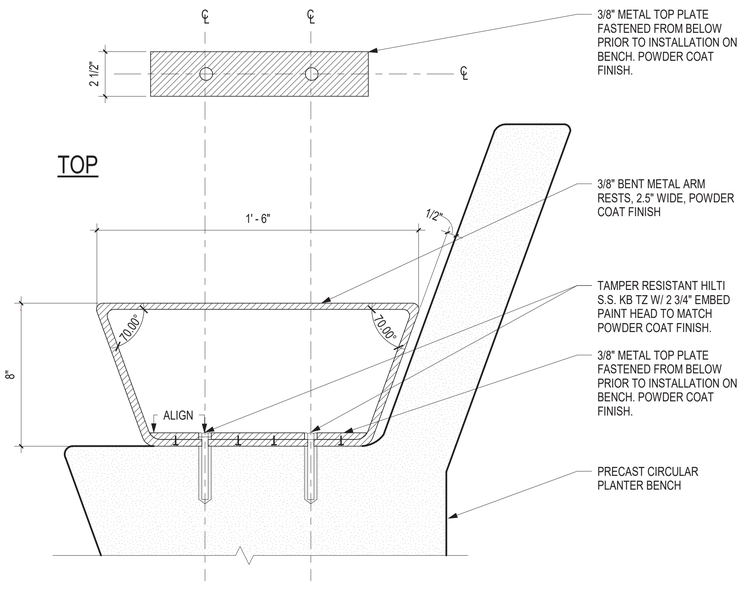


1 PLAZA AT TREE PLANTER PAVER

SCALE: 1 1/2" = 1'-0"



2 CIRCULAR BENCH ARM REST ANCHORING

SCALE: 3" = 1'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 11/08/201
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR WALL DETAILS - ALTERNATE BID

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A535-1A

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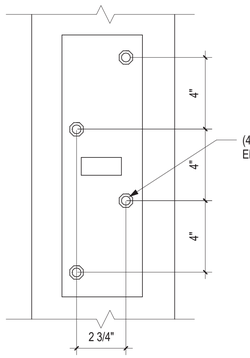
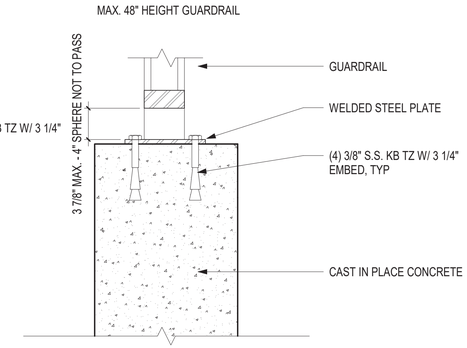
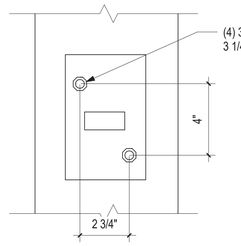


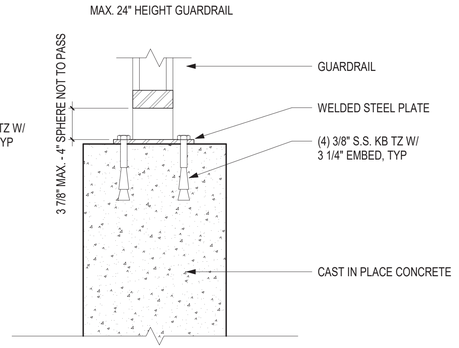
B. PLAN



B. SECTION



A. PLAN



A. SECTION

1 GUARDRAIL CONNECTIONS (TYP.)

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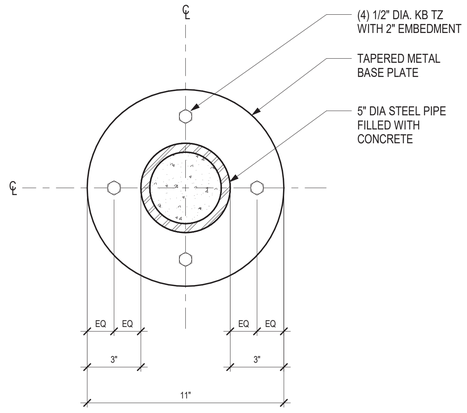
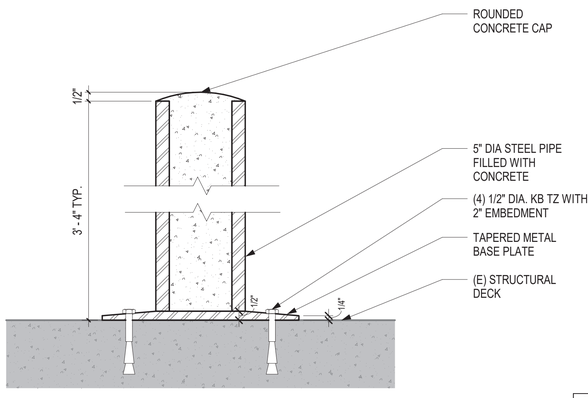


TOP VIEW



SECTION

2 BOLLARD DETAIL TYP.

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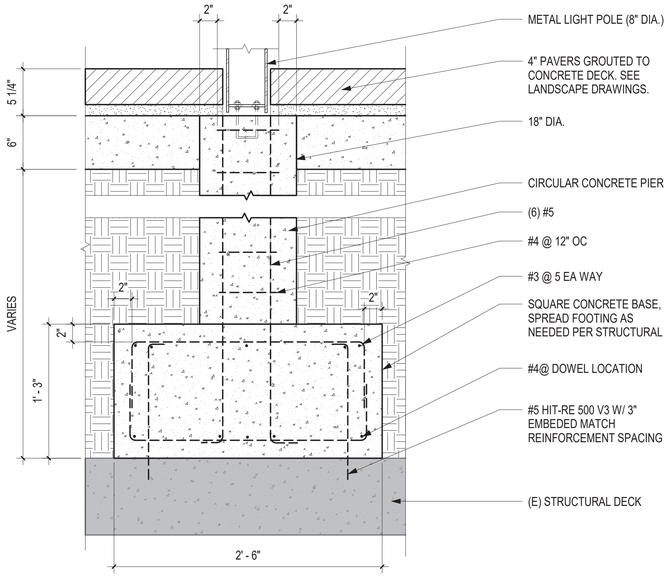
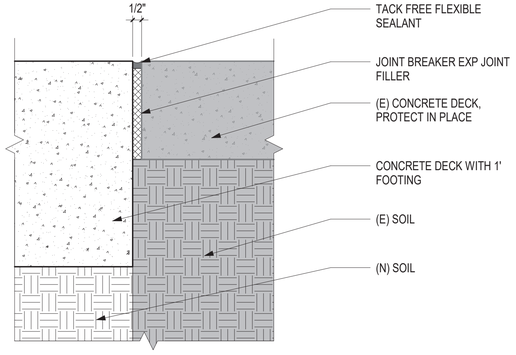


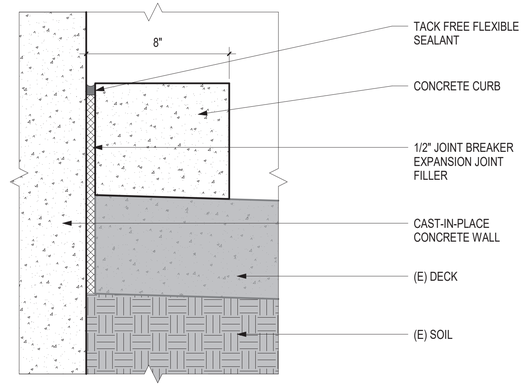
9 LIGHT POST PIER DETAIL

SCALE: 1 1/2" = 1'-0"



6 NEW CONCRETE TO (E) CONCRETE TYP.

SCALE: 3" = 1'-0"



3 NEW CURB AT DRIVE AISLE

SCALE: 3" = 1'-0"

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C23665 DATE: 12/16/2021

ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXTERIOR WALL DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
A591

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:51:36 AM

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REVISION DATE: 11/3/2021 8:51:36 AM

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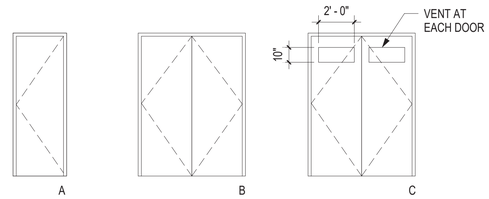
DOOR SCHEDULE-PHASE 1A

DOOR NO.	DOOR TYPE	LOCATION	DOOR SIZE			DOOR		FRAME		DETAILS			HDW SET	FIRE RATING	GLAZING	ACOUSTICS	REMARKS
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB	SILL					
B.O.S-P1 LEVEL																	
B103A	C	STORAGE B103	6' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7A603	2/A603	7.0				
B103B	A	STORAGE B103	3' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	6.0				
B104	A	ELECTRICAL AND LIGHTING RM B104	3' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	6.0				
B105	D	ELEVATOR MACHINE RM B105	3' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	4.0	45 MIN			
B106	A	FAN ROOM B106	3' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	3.0				
B.O.S-P2 LEVEL																	
B203A	B	STORAGE B203	6' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	7.0				
B203B	A	STORAGE B203	3' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	6.0				
B.O.S-P3 LEVEL																	
B303A	B	STORAGE B303	6' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	7.0				
B303B	A	STORAGE B303	3' - 0"	7' - 0"	0' - 2"	HM	PTD	HM	PTD	6/A603	7/A603	2/A603	6.0				

LEGEND

HM HOLLOW METAL
PTD PAINTED



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NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

SHEET TITLE: DOOR SCHEDULE

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A601-1A

SHEET OF SHEETS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

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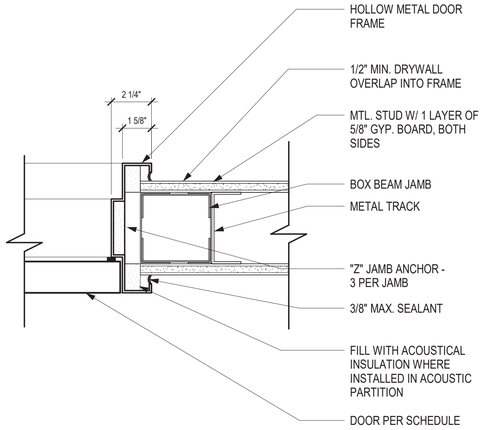
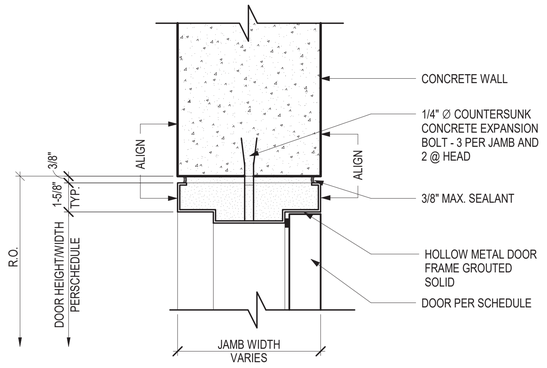


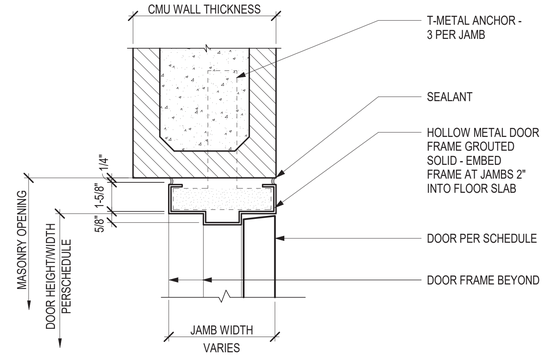
7 TYP. DOOR JAMB DETAIL

SCALE: 3" = 1'-0"



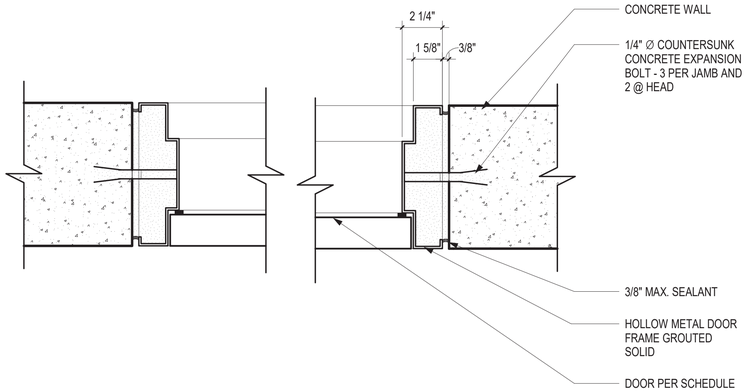
4 DOOR HEAD @ CONCRETE WALL

SCALE: 3" = 1'-0"



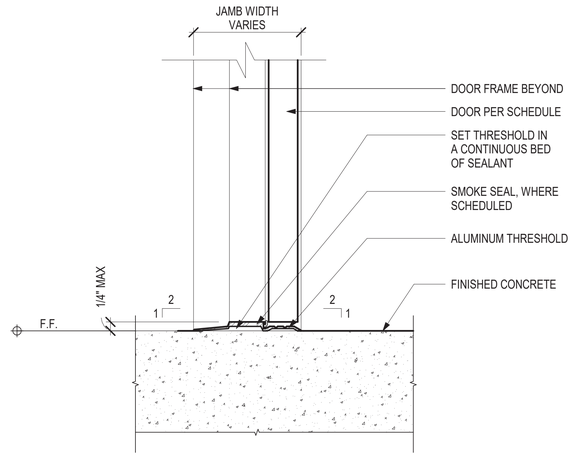
1 DOOR HEAD DETAIL @ CMU WALL

SCALE: 3" = 1'-0"



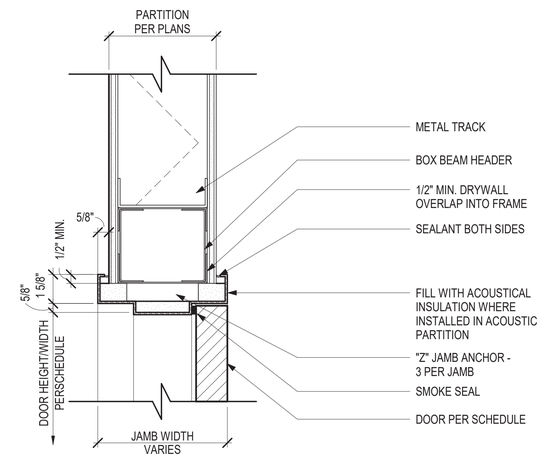
5 DOOR JAMB @ CONCRETE WALL

SCALE: 3" = 1'-0"



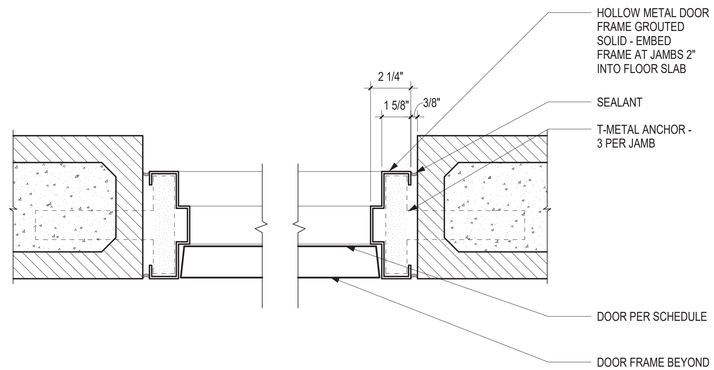
2 METAL THRESHOLD

SCALE: 3" = 1'-0"



6 TYP. DOOR HEAD DETAIL

SCALE: 3" = 1'-0"



3 DOOR JAMB DETAIL @ CMU WALL

SCALE: 3" = 1'-0"

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CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. MF-300492

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION LIC. NO. C23665 11/08/201

ARCHITECT: DEBRA GEROD

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: DOOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A603

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:51:41 AM

REVISION DATE: 11/3/2021 8:51:41 AM

REVISION DATES (DESIGN STAGE ONLY)

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FINISH SCHEDULE

MARK	FINISH TYPE	TYPICAL USE
GL-1	PILKINGTON 66-33 PRO-T ON OPTIWHITE	ELEVATOR GLASS PANELS
MTL-1	PPG UC1067 10XL DURANAR XL - FAWN METALLIC	ELEVATOR HOISTWAY STRUCTURE
MTL-2	PPG PSX 805, MARINE GRADE, MATTE FINISH	ELEVATOR EXTERIOR CANOPY
MTL-3	ARCADIA SILVER, LIGHT MICA CORAFLON FINISH	ELEVATOR INTERIOR HANDRAILS/ GUARDRAILS
MTL-4	SELUX INULA 'SILVER'	(N) METAL LIGHTING POLE
MTL-5	PPG ENVIROCRON 04 ULTRA-DURABLE POWDER COATING (COLOR?)	METAL HANDRAILS/ GUARDRAILS
PT-1	MATCH (E) EXTERIOR WALL FINISH AND COLOR	REPLASTERED (E) ELEMENTS, MODIFIED (E) ELEMENTS WHERE NOTED
PT-2	PPG 0995-4 'PIGEON FEATHER' SEMI-GLOSS EXTERIOR PAINT	EXTERIOR (E) ELEMENTS ADJACENT TO (N) CONCTRUCTION, MODIFIED DURING CONSTRUCTION AND (N) EXTERIOR CMU WALLS
PT-3	MATCH (E) WHITE PAINT COLOR OF GARAGE WALLS, INDICATED A701 KEYNOTES	(N) CMU AND STUD WALLS IN GARAGE, GARAGE CEILING, ONLY WHERE DEFINED IN REFLECTED CEILING PLAN
PT-4	RUST-OLEUM CONCRETE & GARAGE FLOOR PAINT 'GLACIER GREY'	FLOOR AREA DIRECTLY ADJACENT TO (N) ELEVATOR AND STAIR LOBBIES, ONLY WHERE DEFINED IN PLAN
PT-5	RUST-OLEUM HIGH PERFORMANCE PROTECTIVE ENAMEL 'SAFETY YELLOW'	SAFETY BOLLARDS
PT-6	LIQUID THERMOPLASTIC TRAFFIC MARKING PAINT, 'WHITE'	GROUND-LEVEL TRAFFIC/ WALKWAY STRIPING
RB-1	JOHNSONITE JOCB484X 4" 'GREY'	RUBBER BASE BOARD, GARAGE INTERIOR STUD WALLS
TL-1	FLOROCK FLOROSTONE FS721 'VANILLA BEAN'	ELEVATOR FINISH FLOOR

SHEET NOTES

A. ALL (N) CMU BLOCK TO BE PLASTERED AND PAINTED BOTH SIDES UNLESS NOTED OTHERWISE IN PLAN OR FINISH SCHEDULE.
B. ALL (E) ELEMENTS TO BE REFINISHED WILL HAVE NOTES IN PLAN, OTHERWISE LEAVE (E) FINISH AS IS.

ROOM SCHEDULE PHASE 1A							
Level	Number	Name	Wall Finish-North	Wall Finish-East	Wall Finish-South	Wall Finish-West	Base Finish
B.O.S-P1 LEVEL	B101	STAIR LOBBY	PT-3	PT-3	N/A	PT-3	RB-1, (N) STUD WALLS ONLY
B.O.S-P1 LEVEL	B102	ELEVATOR LOBBY	PT-3	PT-3	N/A	PT-3	RB-1, (N) STUD WALLS ONLY
B.O.S-P1 LEVEL	B103	STORAGE	PT-3, (N) STUD WALLS ONLY	PT-3	PT-3	N/A	RB-1, (N) STUD WALLS ONLY
B.O.S-P1 LEVEL	B104	ELECT. AND LIGHTING CONTROL ROOM	N/A	PT-3	PT-3	PT-3	RB-1
B.O.S-P1 LEVEL	B105	ELEV. MACHINE ROOM	PT-3	PT-3	PT-3	PT-3	RB-1
B.O.S-P1 LEVEL	B106	FAN ROOM	PT-3	PT-3	PT-3	PT-3	RB-1
B.O.S-P2 LEVEL	B201	STAIR LOBBY	PT-3	PT-3	N/A	PT-3	RB-1, (N) STUD WALLS ONLY
B.O.S-P2 LEVEL	B202	ELEVATOR LOBBY	PT-3	PT-3	N/A	PT-3	RB-1, (N) STUD WALLS ONLY
B.O.S-P2 LEVEL	B203	STORAGE	PT-3, (N) STUD WALLS ONLY	PT-3	PT-3	N/A	RB-1, (N) STUD WALLS ONLY
B.O.S-P3 LEVEL	B301	STAIR LOBBY	PT-3	PT-3	N/A	PT-3	RB-1, (N) STUD WALLS ONLY
B.O.S-P3 LEVEL	B302	ELEVATOR LOBBY	PT-3	PT-3	N/A	PT-3	RB-1, (N) STUD WALLS ONLY
B.O.S-P3 LEVEL	B303	STORAGE	PT-3, (N) STUD WALLS ONLY	PT-3	PT-3	N/A	RB-1, (N) STUD WALLS ONLY

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1			

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 11/08/201
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A, PRINCIPAL ARCHITECT

SHEET TITLE: ROOM AND FINISH SCHEDULE

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A641-1A

SHEET OF SHEETS

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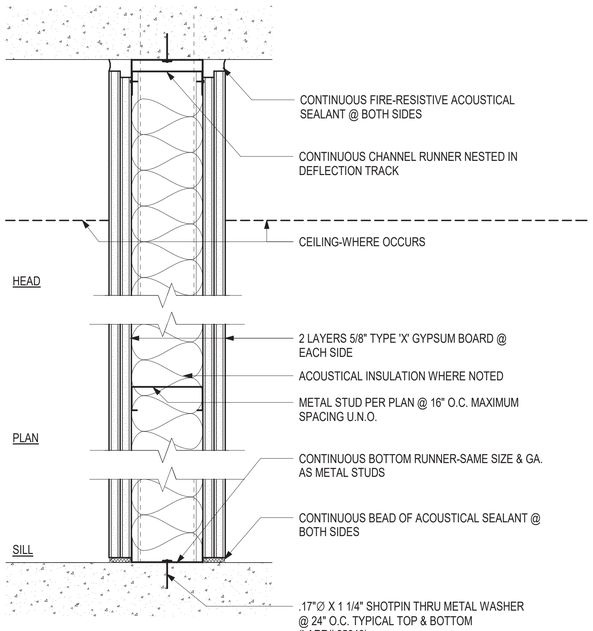
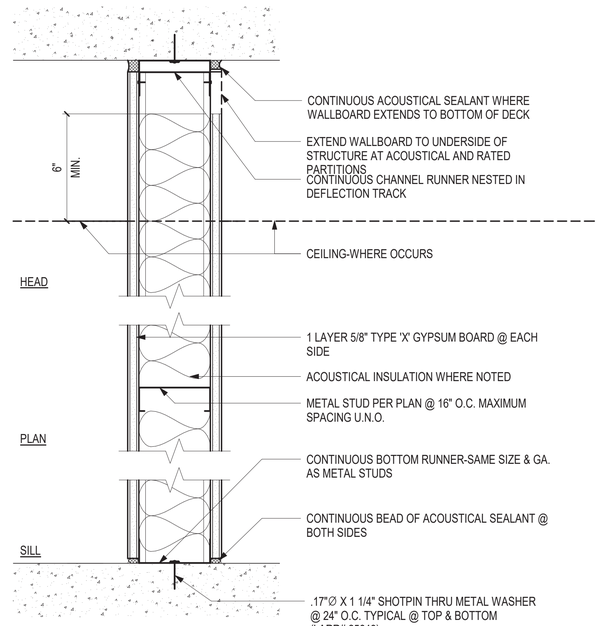


KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
F 2 2	2 1/2"	NO	NONE	N/A	
F 2 4	4"	NO	2-HR	U412	
F 2 6	6"	NO	2-HR	U412	
FA 2 4	4"	YES	2-HR	U412	STC. RATING - 50

3 PARTITION TYPE F

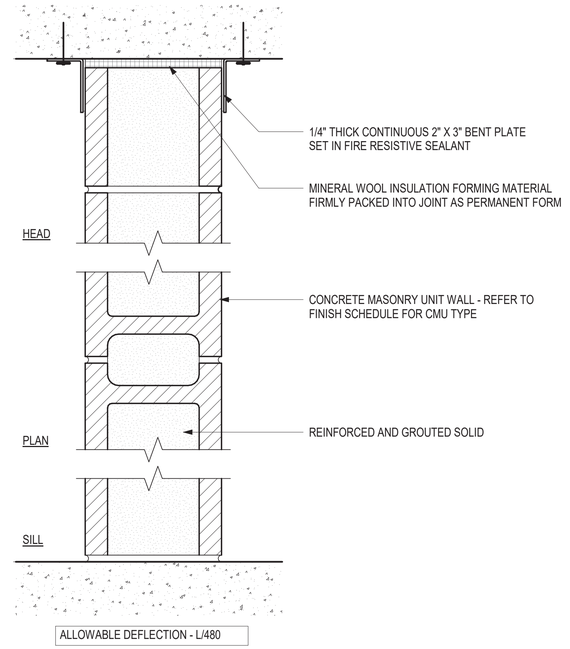
SCALE: 3" = 1'-0"



KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
D - 2	2 1/2"	NO	NONE	N/A	
D - 6	6"	NO	NONE	N/A	
DA 0 4	4"	YES	NONE	N/A	STC. RATING - 40
D 1 6	6"	NO	1-HR	U465	

2 PARTITION TYPE D

SCALE: 3" = 1'-0"



KEY	CMU SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
M 2 8	8"	N/A	2-HR	U906	SOLID GROUTED
M 3 8	8"	N/A	3-HR	U907	SOLID GROUTED
M 4 8	8"	N/A	4-HR	U907	SOLID GROUTED
M 4 12	12"	N/A	4-HR	U907	SOLID GROUTED

1 PARTITION TYPE 'M'

SCALE: 3" = 1'-0"

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CITY OF LOS ANGELES

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BUILDING NO.

MF-300492

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REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE PARTITION TYPES

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
A642

SHEET OF SHEETS

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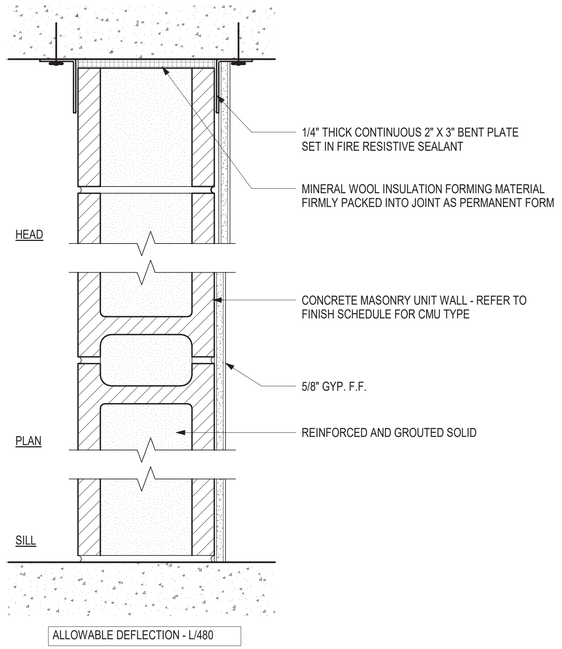

ALLOWABLE DEFLECTION - L/480

KEY	CMU SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
MG 2 8	8"	N/A	2-HR	U906	SOLID GROUTED

1 PARTITION TYPE 'MG'

SCALE: 3" = 1'-0"

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REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE PARTITION TYPES

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A643

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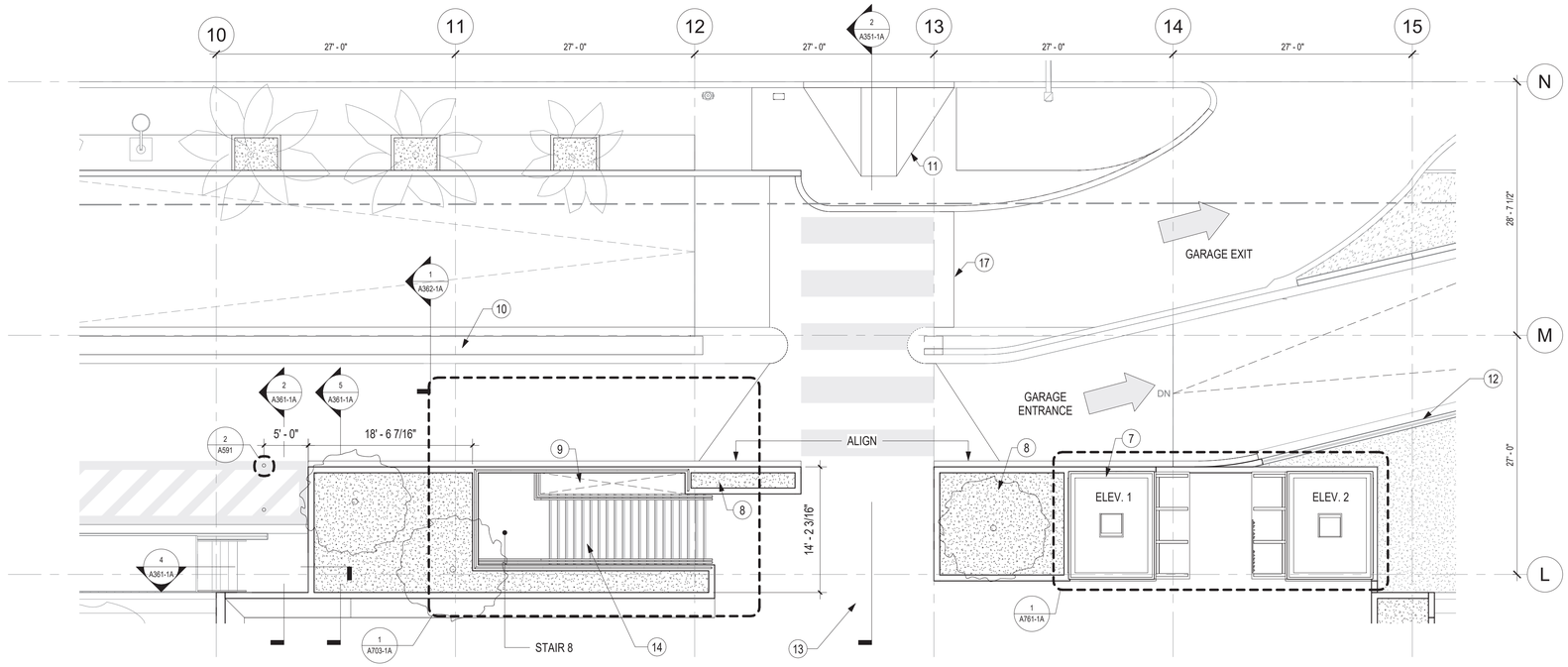
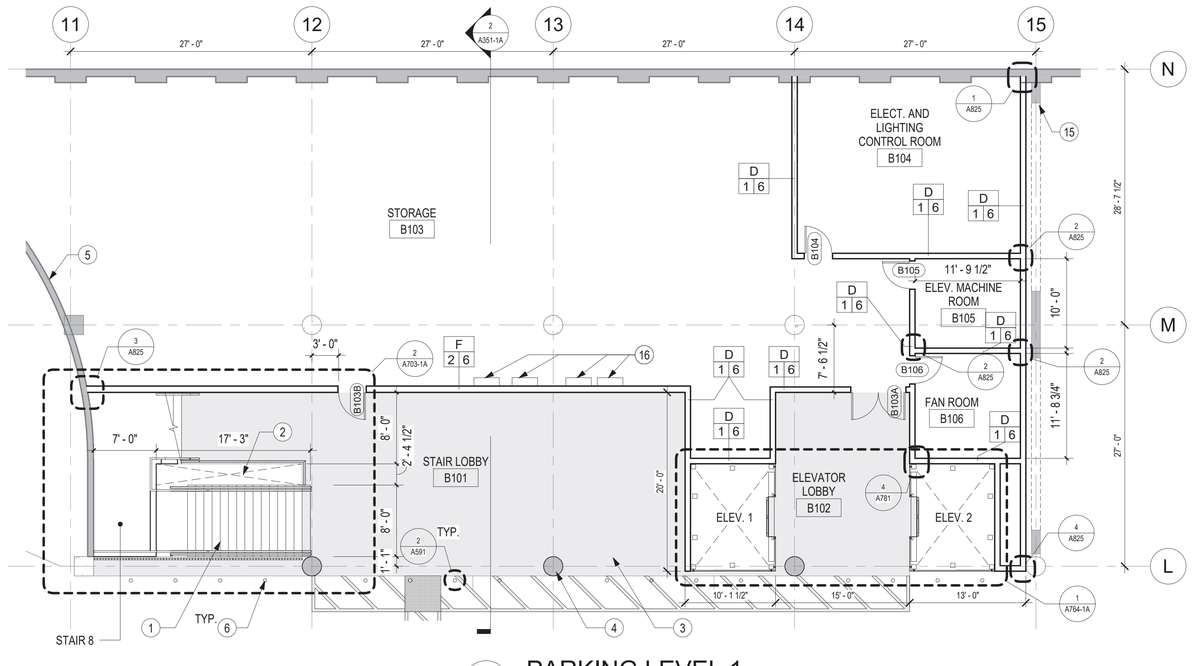


1 GROUND LEVEL VT

SCALE: 1/8" = 1'-0"



2 PARKING LEVEL 1

SCALE: 1/8" = 1'-0"

KEYNOTES

1 CONCRETE STAIRS WITH METAL HANDRAILS AND GUARDRAILS.
2 OPEN LIGHT WELL TO BELOW, PROVIDE DRAIN.
3 PAINT CONCRETE DECK PT-4 AT VERTICAL TRANSPORTATION HUB, INDICATED IN PLAN.
4 PAINT COLUMNS IMMEDIATELY ADJACENT TO (N) VERTICAL TRANSPORTATION HUB PT-3.
5 (E) WALLS, MATCH (E) PAINT COLOR AND FINISH AS BASIS FOR PT-3 FINISH TYPE.
6 BOLLARDS AT 48" O.C. MAX, PAINT PT-5.
7 (N) ELEVATORS - GRADE TO PARKING LEVELS 1-3. ENCASED IN GLASS ALL LEVELS.
8 (N) PLANTER WITH CONCRETE/CMU WALLS. WATERPROOF FOR PLANTING.
9 OPEN LIGHT WELL TO BELOW.
10 (E) REDUCED DRIVE AISLE WALL. PATCH/ RESURFACE REMAINING WALL. PAINT
11 PROVIDE (N) ACCESSIBLE RAMP IN SIDEWALK.
12 (E) GUARDRAIL, PROTECT IN PLACE.
13 (N) PLAZA DECK. LOWERED TO COORDINATE WITH ELEVATORS FOR CONNECTING PHASE 3 PROPOSED ELEVATION. DECK TO BE PAVERS.
14 (N) CONCRETE STAIR FROM GRADE TO PARKING LEVELS 1-3.
15 (E) FLOOR TO CEILING 36" DEPTH CONCRETE DIAGONAL CROSSBEAMS. PROTECT IN PLACE.
16 (N) MECHANICAL EQUIPMENT, SEE MECHANICAL.
17 (N) CONCRETE INFILL AT DRIVE AISLE. PAINT WALKWAY STRIPING PT-6 AS SHOWN IN PLAN.

LEGEND

- EXISTING WALL
- NEW WALL
- BENCH REVEAL
- NEW FLOOR INFILL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.

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BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD	LIC. NO. C23665	DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: NG, CG		
CHECKED BY: JA		
APPROVED BY: Approver		11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ENLARGED PLANS - VERTICAL TRANSPORTATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A701-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:51:54 AM

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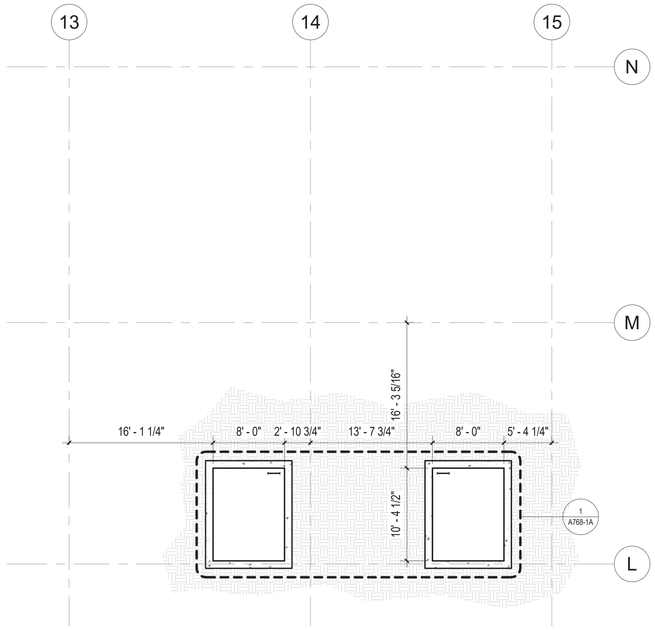
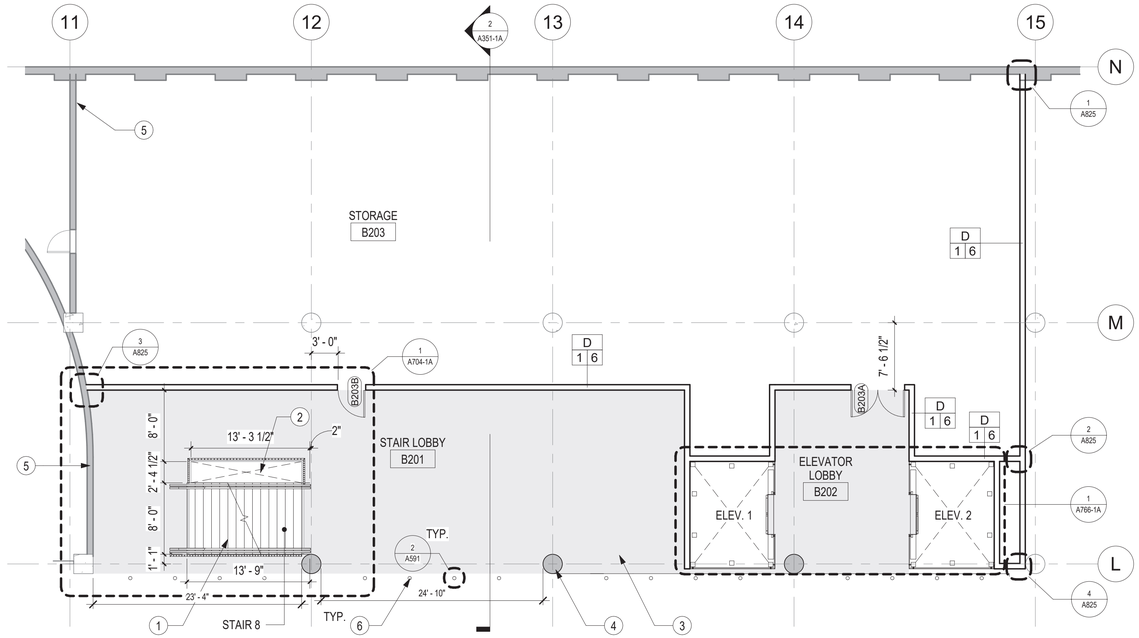


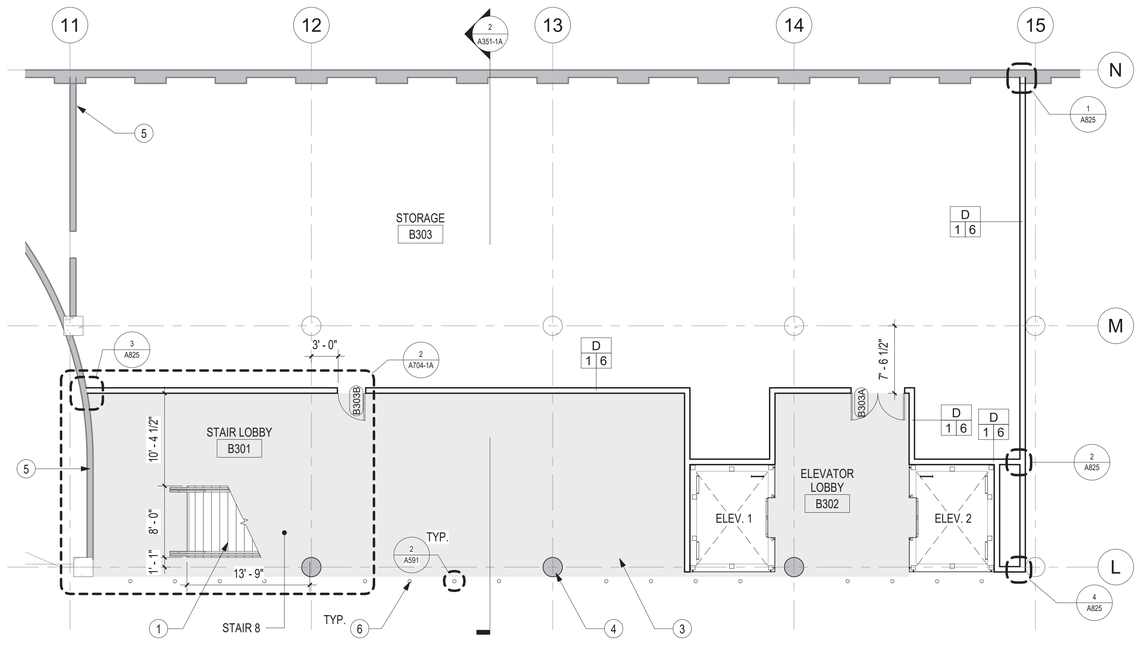
3 ELEVATOR PIT

SCALE: 1/8" = 1'-0"



1 PARKING LEVEL 2

SCALE: 1/8" = 1'-0"



2 PARKING LEVEL 3

SCALE: 1/8" = 1'-0"

KEYNOTES

1 CONCRETE STAIRS WITH METAL HANDRAILS AND GUARDRAILS.
2 OPEN LIGHT WELL TO BELOW, PROVIDE DRAIN.
3 PAINT CONCRETE DECK PT-4 AT VERTICAL TRANSPORTATION HUB, INDICATED IN PLAN.
4 PAINT COLUMNS IMMEDIATELY ADJACENT TO (N) VERTICAL TRANSPORTATION HUB PT-3.
5 (E) WALLS.
6 BOLLARDS AT 48" O.C. MAX, PAINT PT-5.

LEGEND

EXISTING WALL

NEW WALL

SHEET NOTES

A. FOR TYPICAL WALL AND FLOOR FINISHES, SEE FINISH AND ROOM SCHEDULE, SHEET A641.
B. ELEVATOR HOISTWAY ELEMENTS TO BE MTL-1.
C. ELEVATOR GLASS PANELS TO BE GL-1.

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

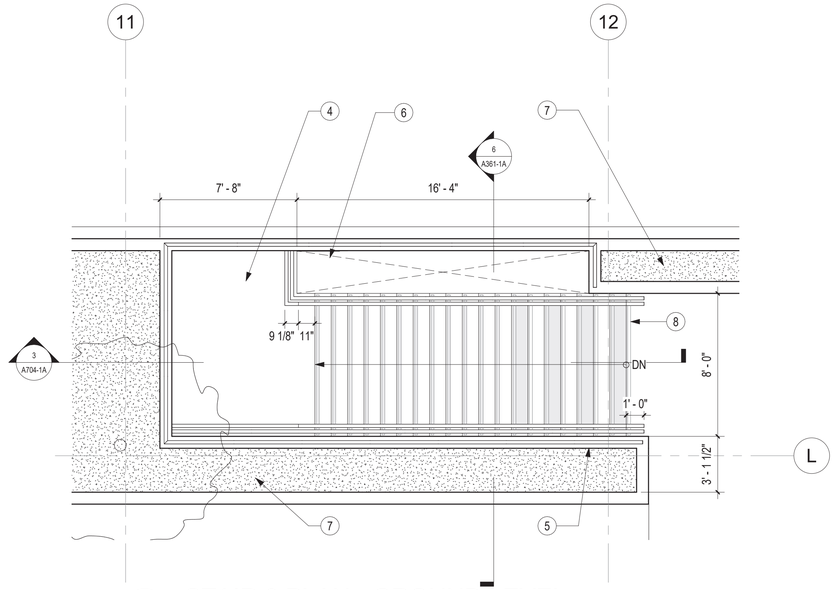
GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

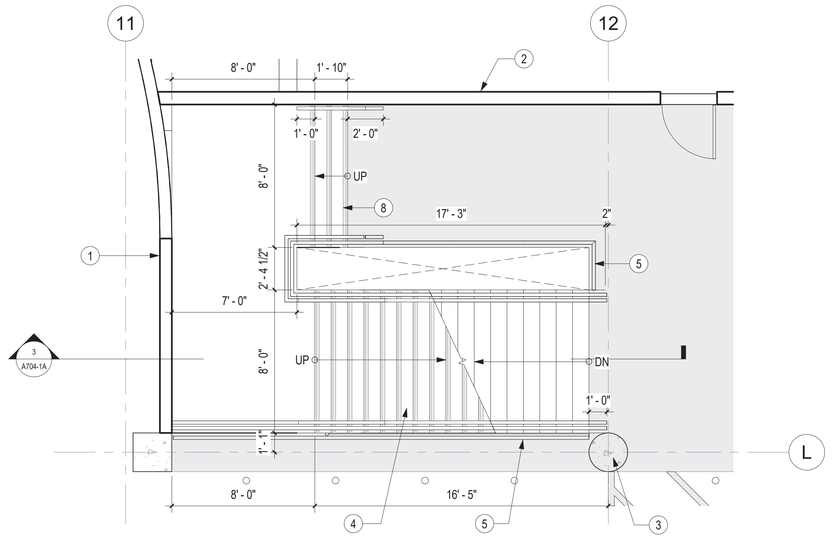
SHEET TITLE: ENLARGED PLANS - VERTICAL TRANSPORTATION
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A702-1A
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:51:59 AM



1 STAIR 8 PLAN - GROUND LEVEL
SCALE: 1/4" = 1'-0"



2 STAIR 8 PLAN - PARKING LEVEL 1
SCALE: 1/4" = 1'-0"

KEYNOTES

1 (E) WALLS.
2 STORAGE - PROVIDE CMU WALLS WITH HOLLOW METAL DOOR.
3 PAINT COLUMNS IMMEDIATELY ADJACENT TO (N) VERTICAL TRANSPORTATION HUB PT-3.
4 CONCRETE STAIRS WITH METAL HANDRAILS AND GUARDRAILS.
5 METAL GUARDRAIL AROUND OPENINGS.
6 LIGHT WELL OPEN TO BELOW WITH GUARDRAIL ALL SIDES. PROVIDE DRAINAGE.
7 (N) PLANTER WITH CONCRETE/CMU WALLS. WATERPROOF FOR PLANTING.
8 CONTRAST STRIPING ON ALL STEPS OF EXTERIOR STAIRCASES.

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CITY OF LOS ANGELES

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INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: OLIVE ST. STAIRS - PLANS & SECTIONS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A703-1A
SHEET OF SHEETS

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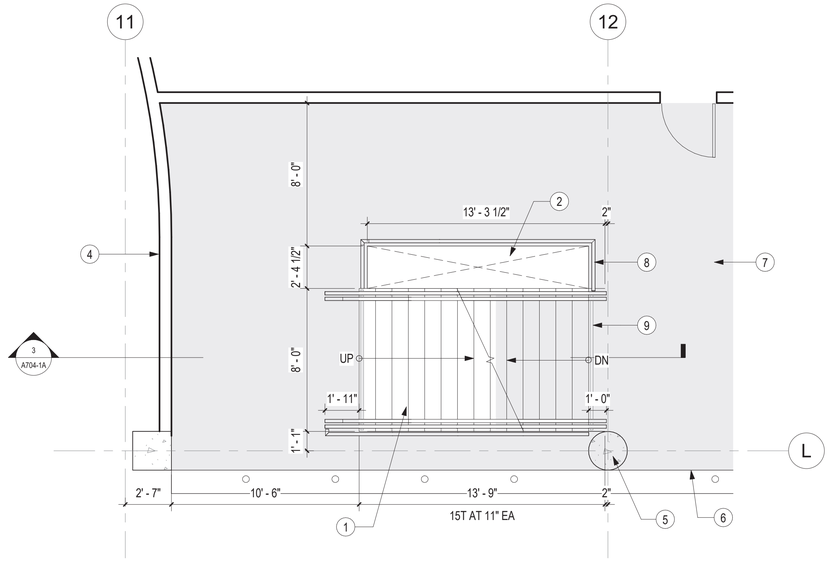
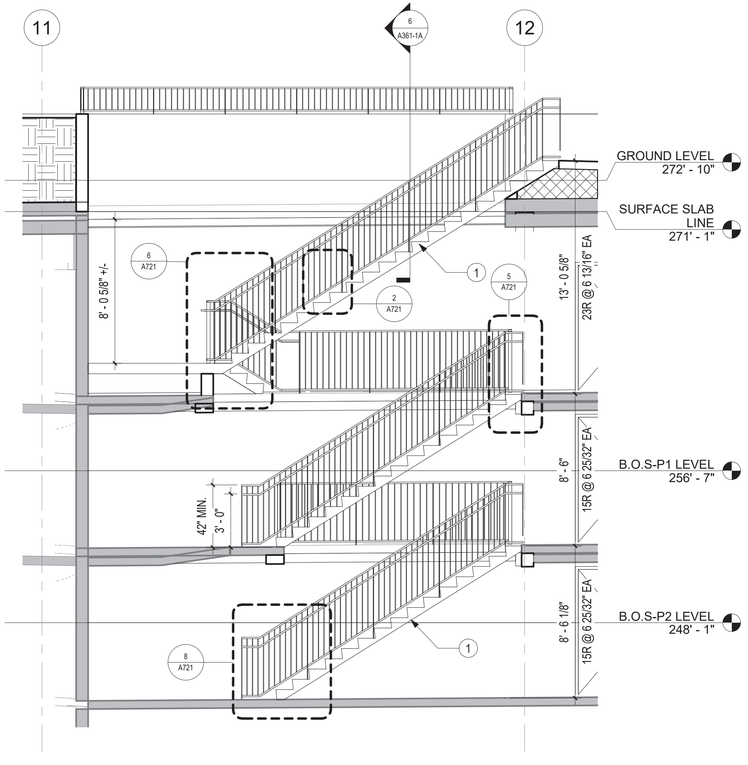


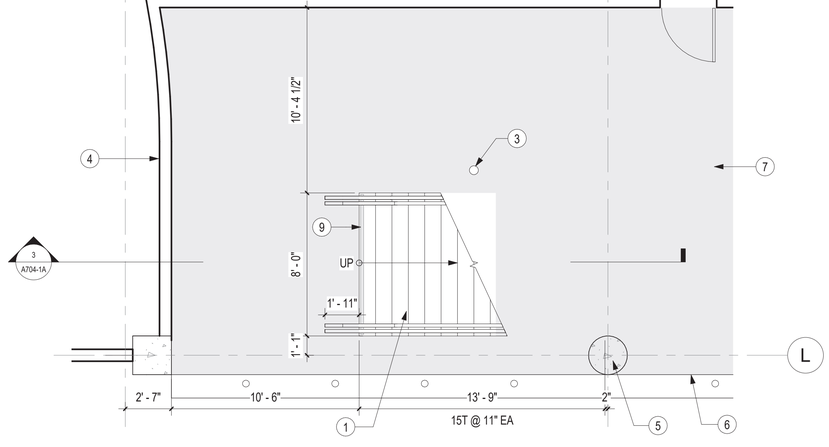
1 STAIR 8 PLAN - PARKING LEVEL 2

SCALE: 1/4" = 1'-0"



3 STAIR 8 SECTION

SCALE: 1/4" = 1'-0"



2 STAIR 8 PLAN - PARKING LEVEL 3

SCALE: 1/4" = 1'-0"

KEYNOTES

1 CONCRETE STAIRS WITH METAL HANDRAILS AND GUARDRAILS.
2 LIGHT WELL OPEN TO BELOW WITH GUARDRAIL ALL SIDES. PROVIDE DRAINAGE.
3 DRAIN.
4 (E) WALLS.
5 PAINT COLUMNS IMMEDIATELY ADJACENT TO (N) VERTICAL TRANSPORTATION HUB PT-3.
6 PAINT CONCRETE DECK PT-4 AT VERTICAL TRANSPORTATION HUB, INDICATED IN PLAN.
7 PROVIDE A BRIGHTLY LIT AREA FOR SAFETY AROUND VERTICAL TRANSPORTATION HUB USING LED LIGHTING.
8 METAL GUARDRAIL AROUND OPENINGS.
9 CONTRAST STRIPING ON THE TOP AND BOTTOM STEP OF THE INTERIOR STAIRCASES AT LEVEL P2 AND P3.

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BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-13
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE OLIVE ST. STAIRS - PLANS & SECTIONS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A704-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:07 AM

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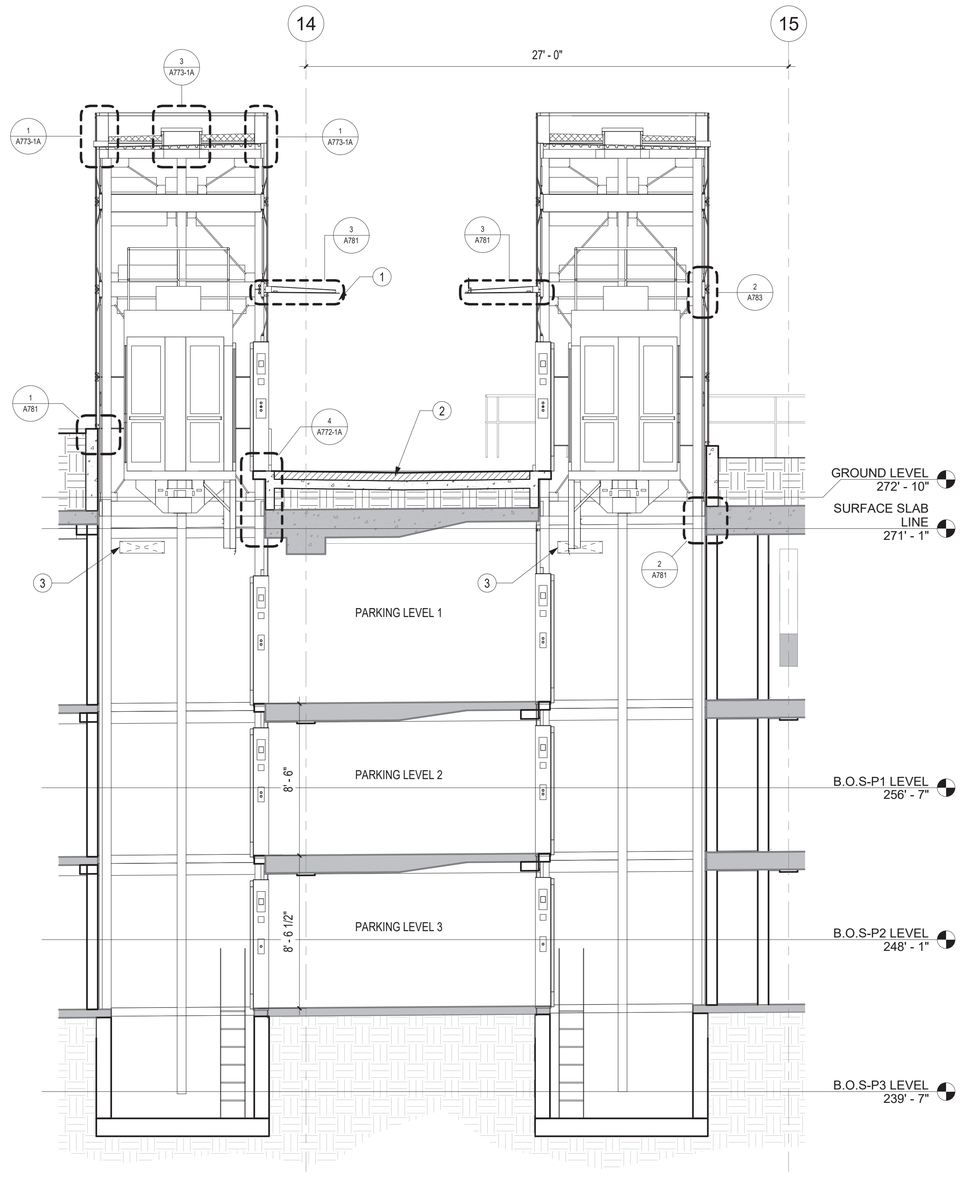

1 OLIVE STREET ELEVATORS AT DOOR OPENING

SCALE: 1/4" = 1'-0"

KEYNOTES

1 METAL CANOPY.
2 CONCRETE PAVERS.
3 30" X 8" MECH GRILL

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: OLIVE ST. ELEVATORS - PLANS & SECTIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A705-1A

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PLOTTED: 11/3/2021 8:52:12 AM

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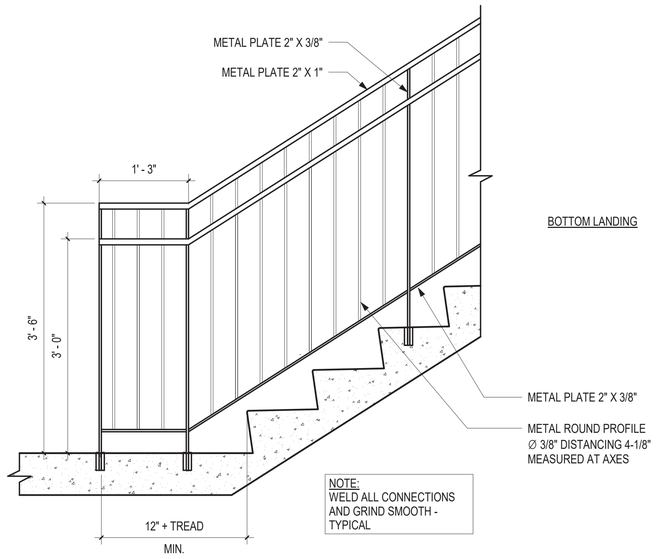
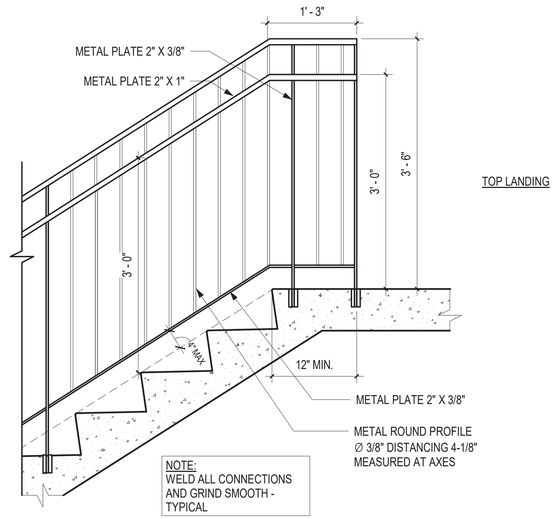


BOTTOM LANDING

NOTE:
WELD ALL CONNECTIONS AND GRIND SMOOTH - TYPICAL

8 CONCRETE STAIR @ BOTTOM LANDING

SCALE: 1" = 1'-0"

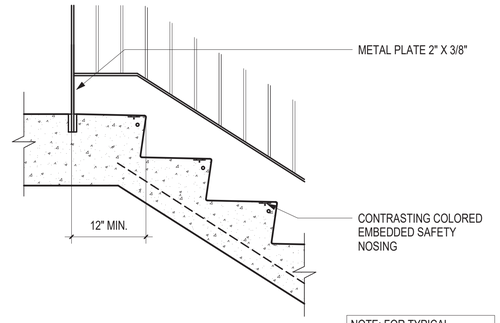


TOP LANDING

NOTE:
WELD ALL CONNECTIONS AND GRIND SMOOTH - TYPICAL

5 CONCRETE STAIR @ TOP LANDING

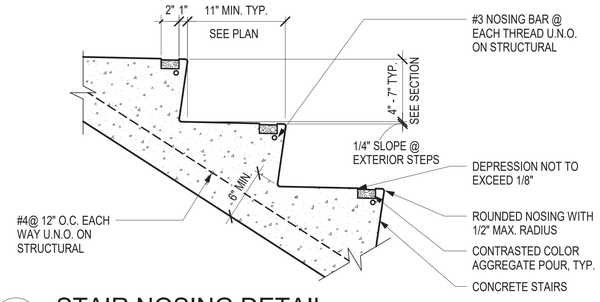
SCALE: 1" = 1'-0"



NOTE: FOR TYPICAL STAIR CONSTRUCTION AND DIMENSIONS SEE DETAIL 2/-

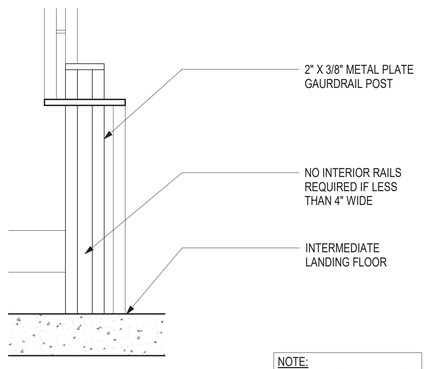
1 CONCRETE STAIR @ TOP LANDING

SCALE: 1" = 1'-0"



2 STAIR NOSING DETAIL

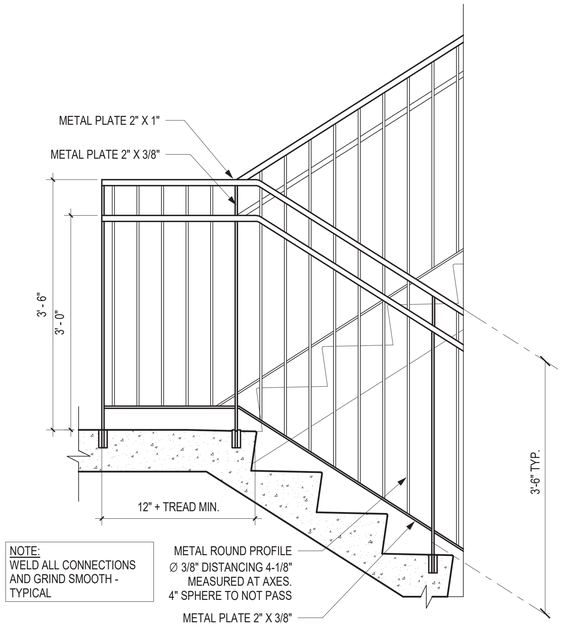
SCALE: 1 1/2" = 1'-0"



NOTE:
WELD ALL CONNECTIONS AND GRIND SMOOTH - TYPICAL

9 INTERMEDIATE LANDING END VIEW

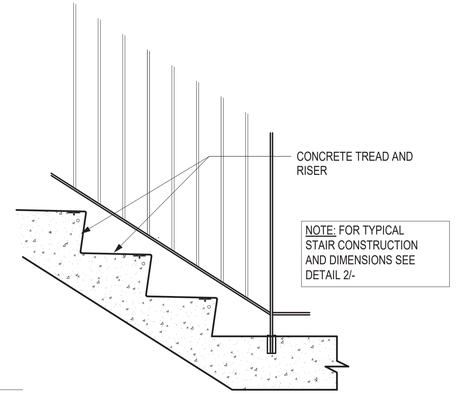
SCALE: 1" = 1'-0"



NOTE:
WELD ALL CONNECTIONS AND GRIND SMOOTH - TYPICAL

6 CONCRETE STAIR @ INTERMEDIATE LANDING

SCALE: 1" = 1'-0"



NOTE: FOR TYPICAL STAIR CONSTRUCTION AND DIMENSIONS SEE DETAIL 2/-

3 CONCRETE STAIR @ BOTTOM LANDING

SCALE: 1" = 1'-0"

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BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FERGE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HANDRAIL & CONCRETE STAIR DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A721

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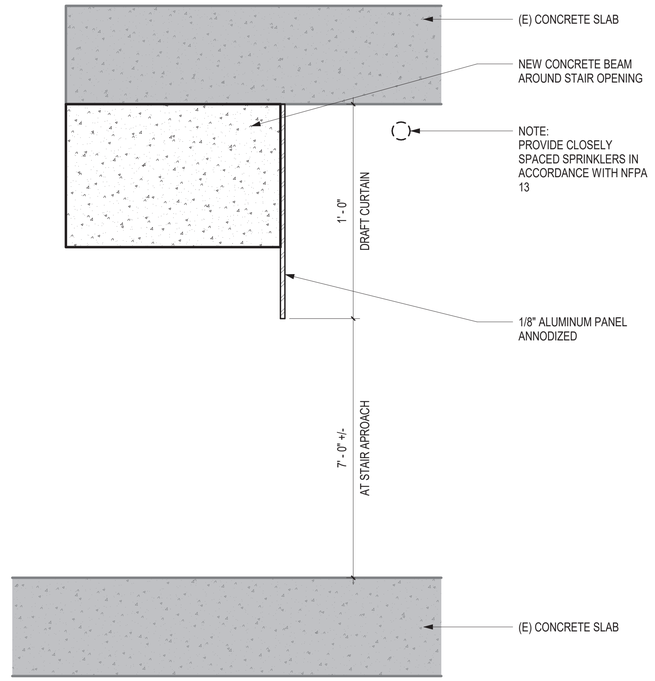
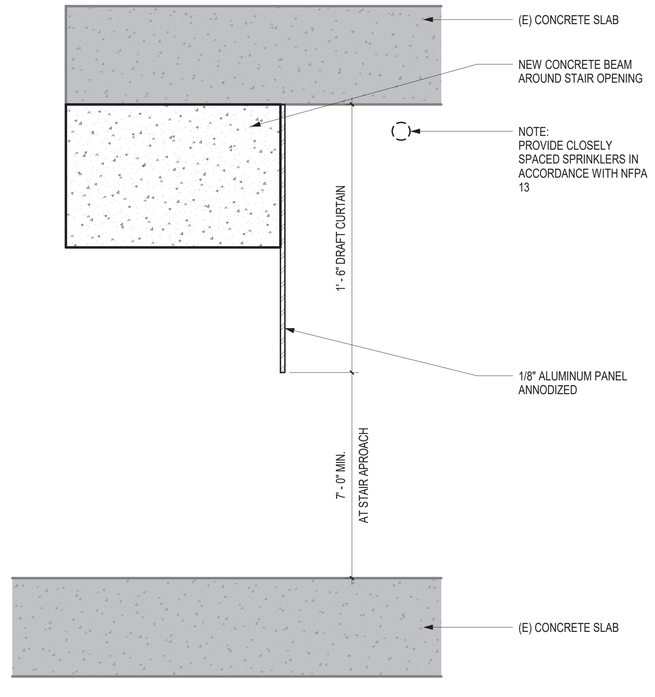
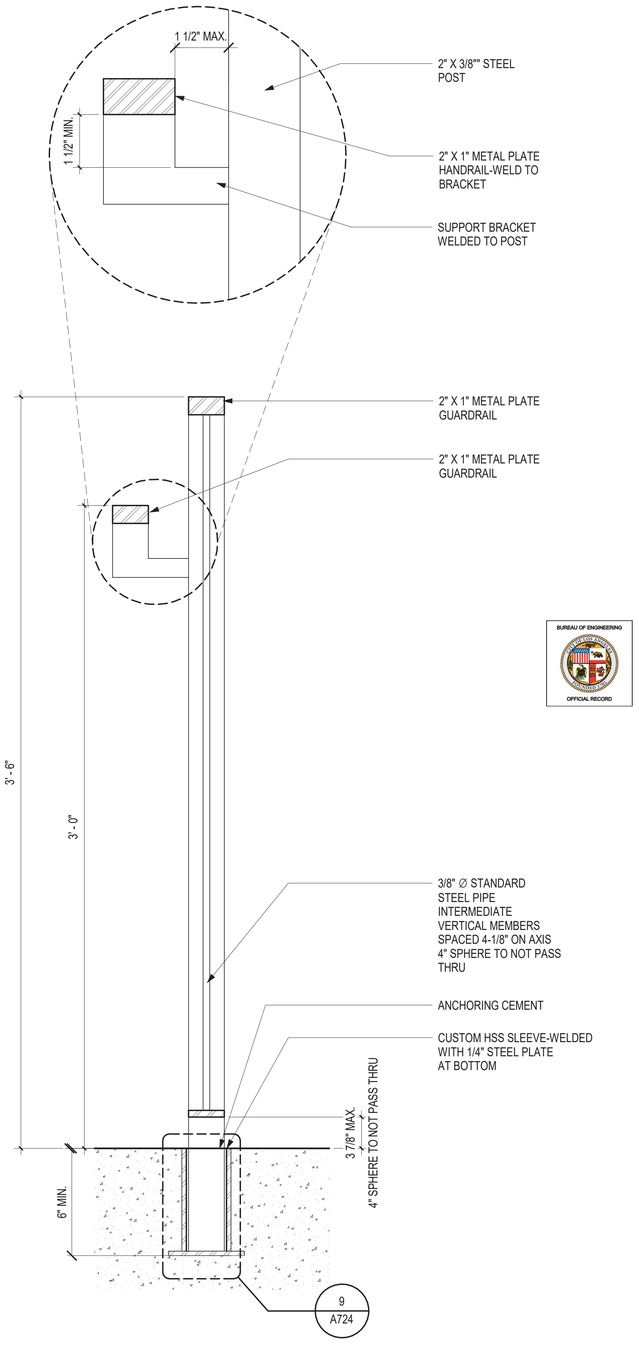


3 STAIRWAY DRAFT CURTAIN 12"
SCALE: 3" = 1'-0"



4 STAIRWAY DRAFT CURTAIN 24"
SCALE: 3" = 1'-0"



2 ENLARGED GUARDRAIL SECTION
SCALE: 3" = 1'-0"

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INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY ENGINEER **GARY LEE MOORE, PE, ENV SP** DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: Steven Fierce, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: HANDRAIL & CONCRETE STAIR DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A722

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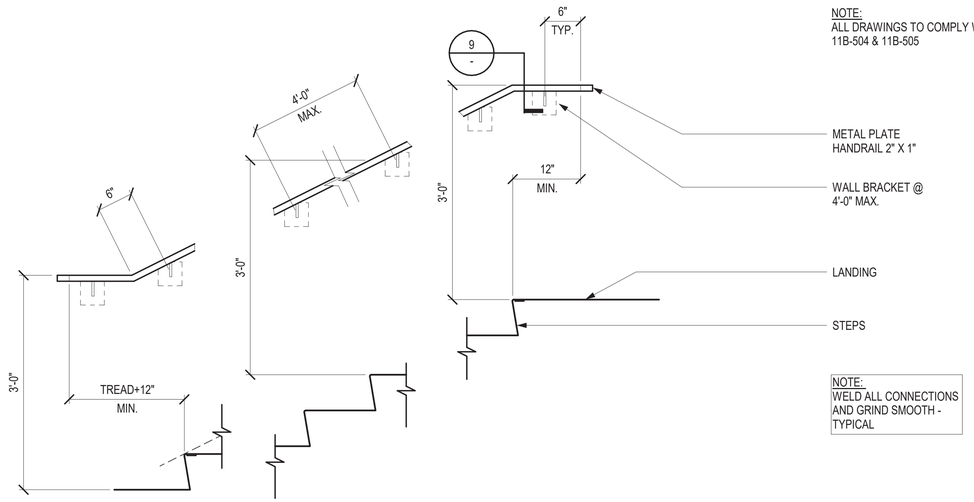
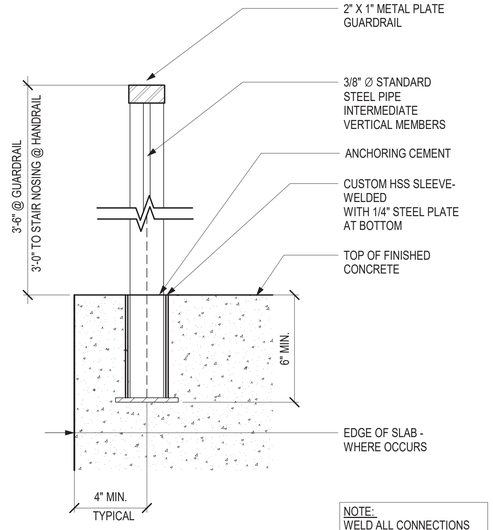


NOTE:
ALL DRAWINGS TO COMPLY WITH CBC 11B-504 & 11B-505

NOTE:
WELD ALL CONNECTIONS AND GRIND SMOOTH - TYPICAL

1 WALL MOUNTED HANDRAIL - ELEVATION

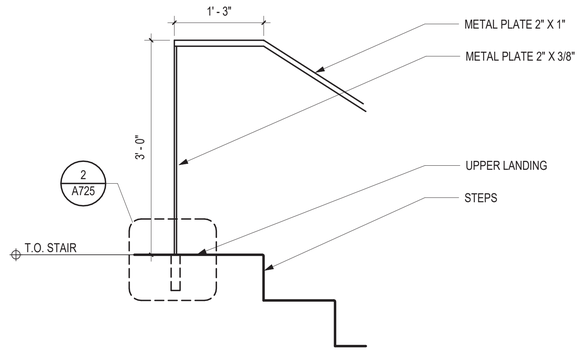
SCALE: 1" = 1'-0"



NOTE:
WELD ALL CONNECTIONS AND GRIND SMOOTH - TYPICAL

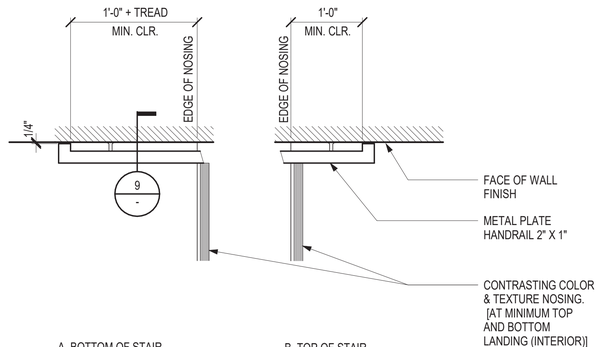
8 POST ATTACHMENT WITH SLEEVE

SCALE: 3" = 1'-0"



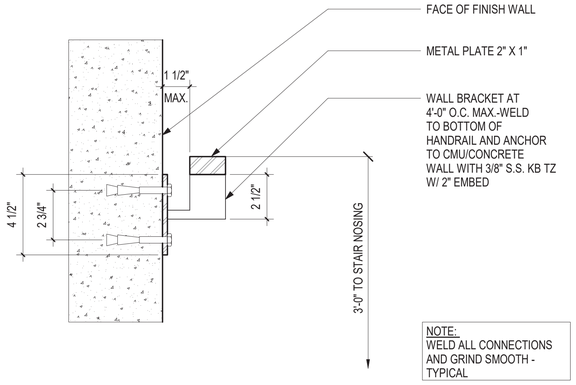
5 HANDRAIL AT TOP OF STAIR

SCALE: 1" = 1'-0"



2 WALL MOUNTED HANDRAIL - PLAN @ STAIR

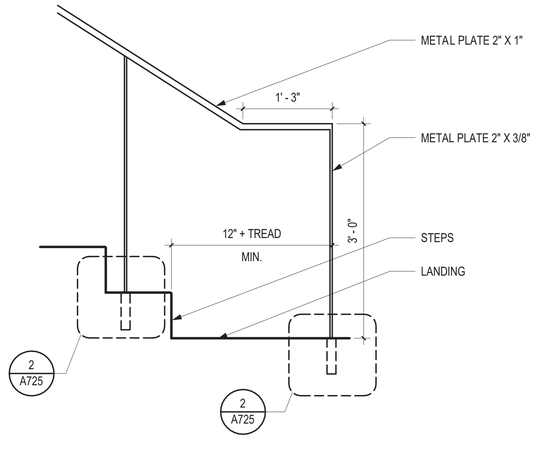
SCALE: 1" = 1'-0"



NOTE:
WELD ALL CONNECTIONS AND GRIND SMOOTH - TYPICAL

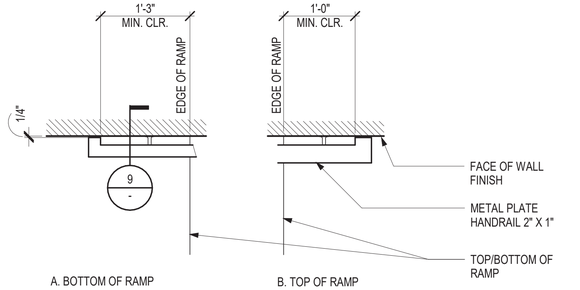
9 HANDRAIL/BRACKET @ CONCRETE/CMU WALL

SCALE: 3" = 1'-0"



6 HANDRAIL AT BOTTOM OF STAIR

SCALE: 1" = 1'-0"



3 WALL MOUNTED HANDRAIL @ RAMP - PLAN

SCALE: 1" = 1'-0"

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REVISION DATE: 11/3/2021 8:52:19 AM

BUREAU OF ENGINEERING
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NO.	REVISIONS:	DATE:	BY:
1			

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE HANDRAIL DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

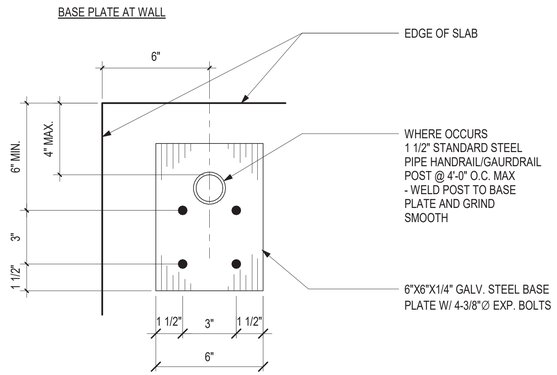
WORK ORDER NO.

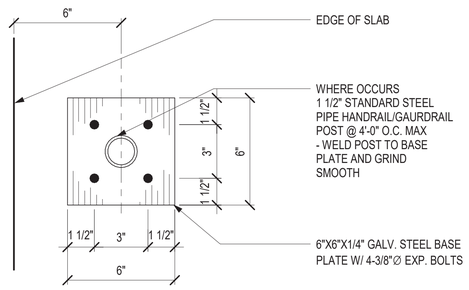
PLAN FILE NO.

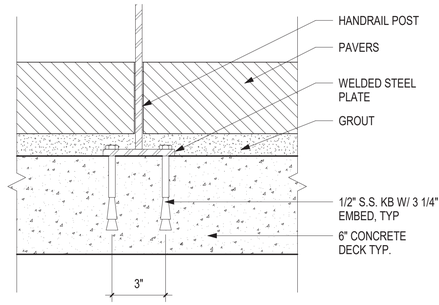
DRAWING NO. A724

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:19 AM





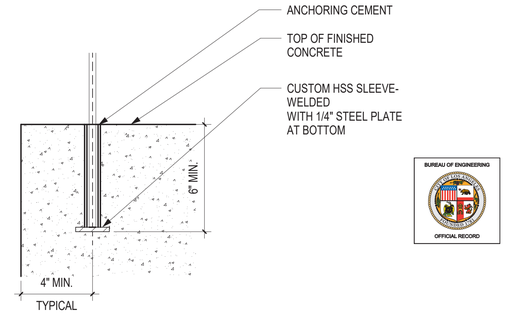


4 BASE PLATE DETAIL

SCALE: 3" = 1'-0"

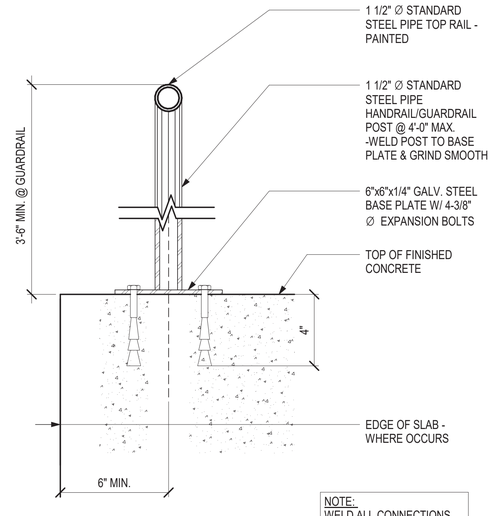
1 POST ATTACHMENT AT PAVERS

SCALE: 3" = 1'-0"



2 POST ATTACHMENT WITH SLEEVE CROSS SECTION

SCALE: 3" = 1'-0"



NOTE:
WELD ALL CONNECTIONS
AND GRIND SMOOTH -
TYPICAL

6 ENLARGED GUARDRAIL SECTION

SCALE: 3" = 1'-0"

3 POST ATTACHMENT WITH BASE PLATE

SCALE: 3" = 1'-0"

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BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE: 12/16/2021

ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GUARDRAIL & POST ATTACHMENT DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

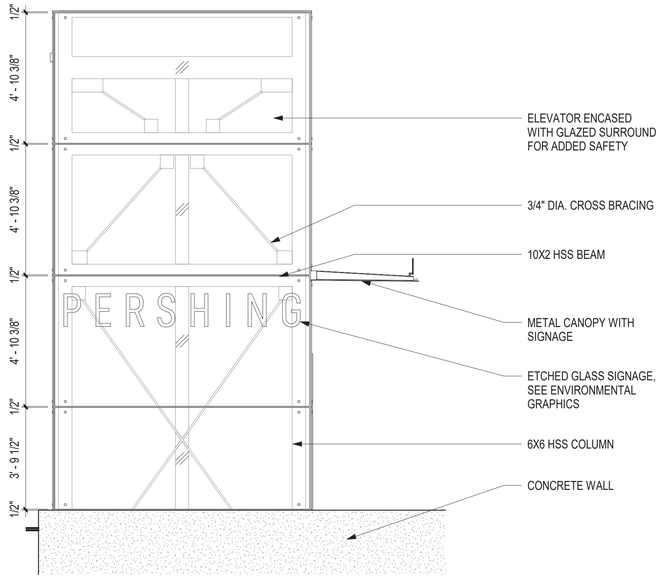
PLAN FILE NO.

DRAWING NO. A725

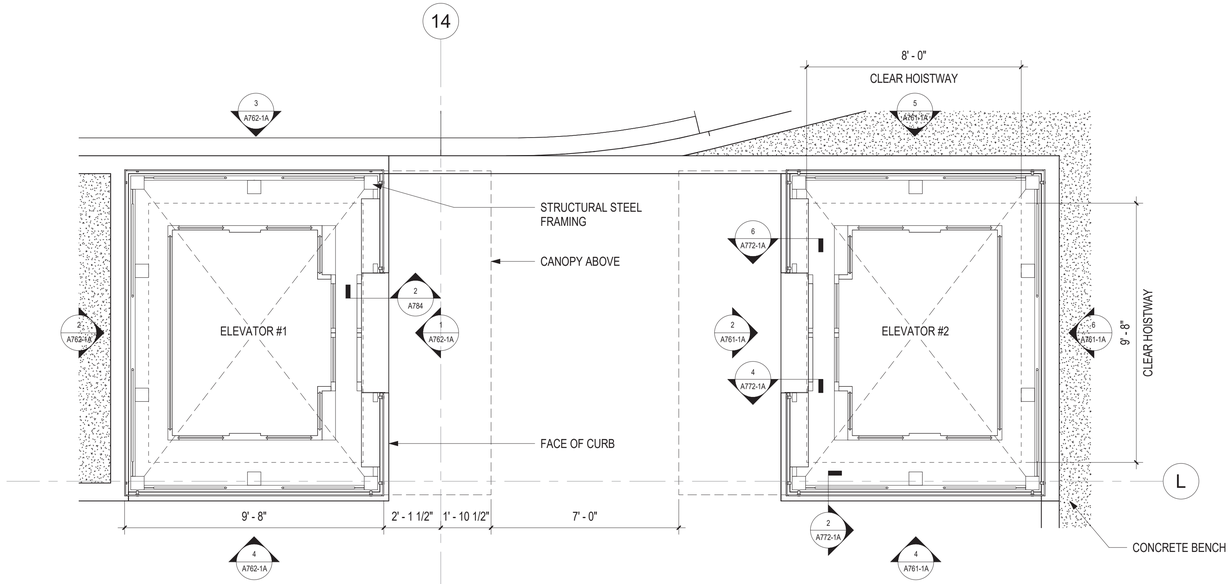
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:22 AM

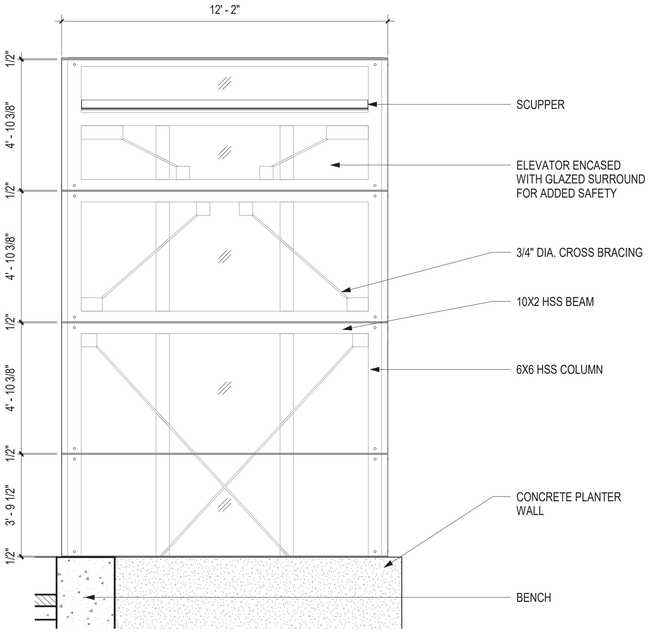
NOTE:
REGARDING THE ELEVATOR EXPOSURE AT THE TOP FLOOR:
A. PROVIDE A CANOPY OVER THE ENTERANCE WHICH EXTENDS AS FAR AS POSSIBLE.
B. EXTEND THE WALLS OUT TO PROVIDE PROTECTION AND AVOID DRIVING RAIN PENETRATING THE HOISTWAY.
C. THE FLOOR IN FRONT OF THE ENTERANCES ON ALL FLOORS SHOULD BE SLOPED AWAY FROM THE ELEVATOR HOISTWAY.
D. IF THERE IS GOING TO BE CONSIDERABLE EXPOSURE TO DRIVING RAIN, THEN A DRAIN IN THE PIT SHOULD BE PROVIDED.



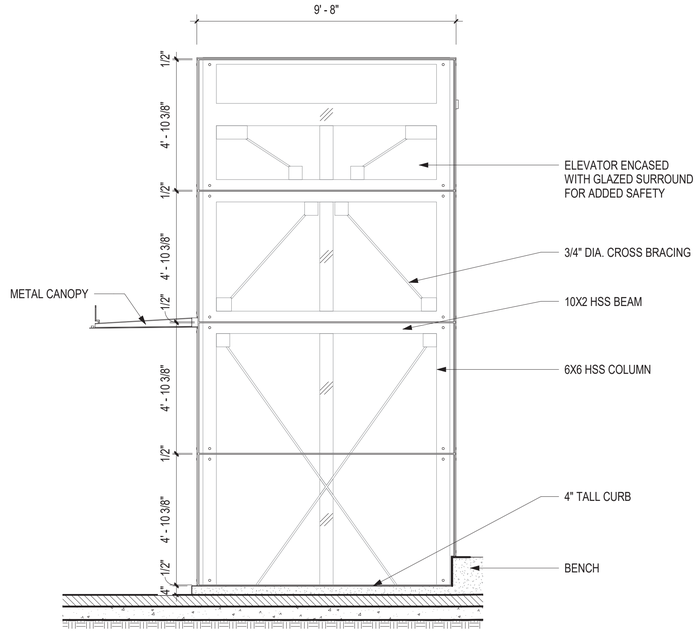
5 ELEVATION - STREET SIDE
SCALE: 3/8" = 1'-0"



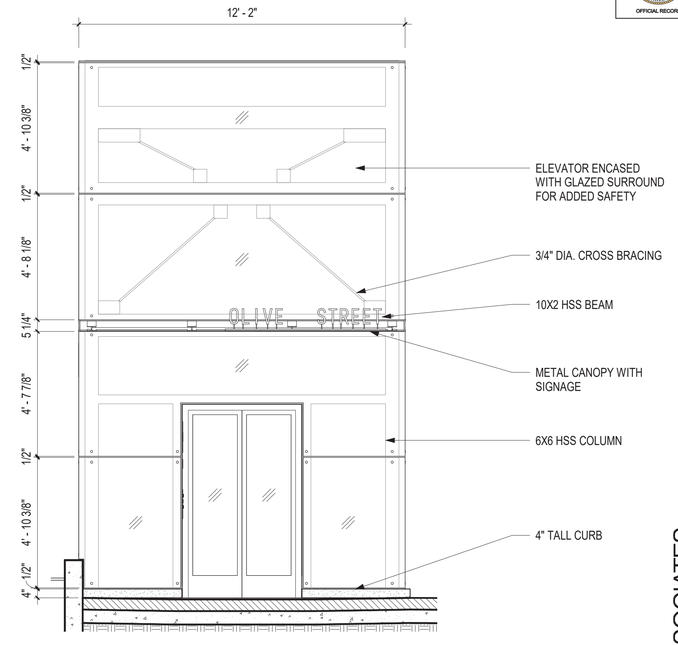
1 ELEVATOR #1 & #2 PLAN
SCALE: 3/8" = 1'-0"



6 ELEVATION - REAR
SCALE: 3/8" = 1'-0"



4 ELEVATION - PARK SIDE
SCALE: 3/8" = 1'-0"



2 ELEVATION - FRONT
SCALE: 3/8" = 1'-0"

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BUILDING NO.

MF-300492
INDEX NO.

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

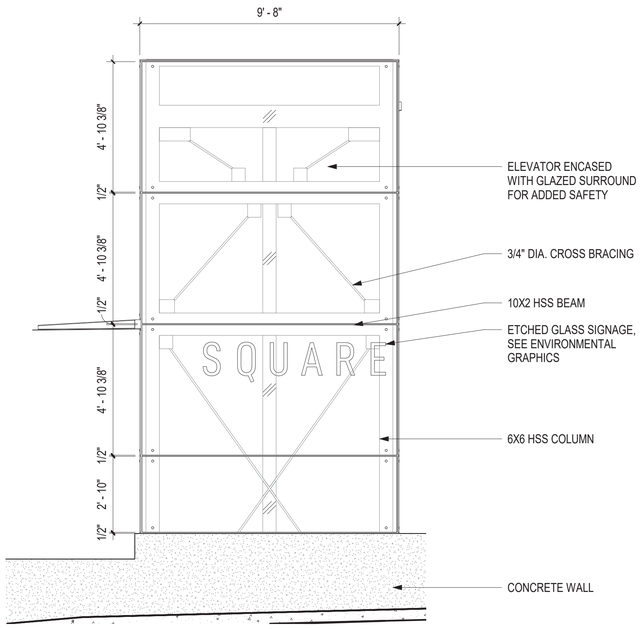
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATORS - OLIVE STREET PLAZA

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

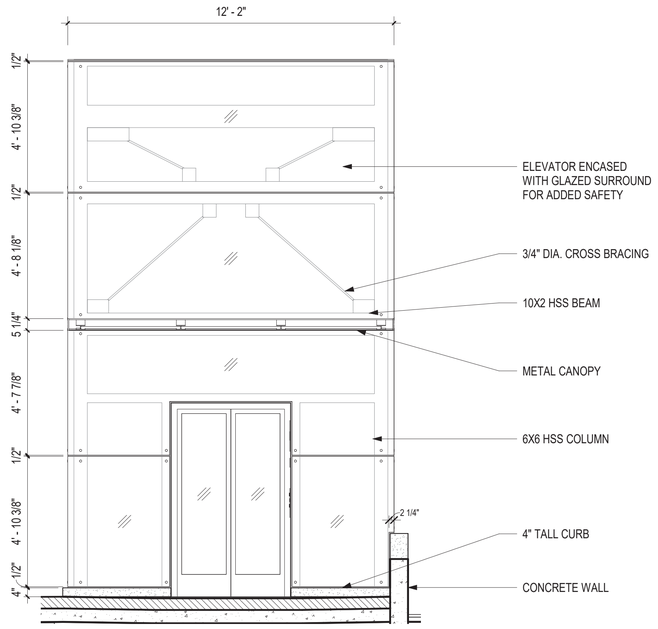
WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A761-1A
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:27 AM



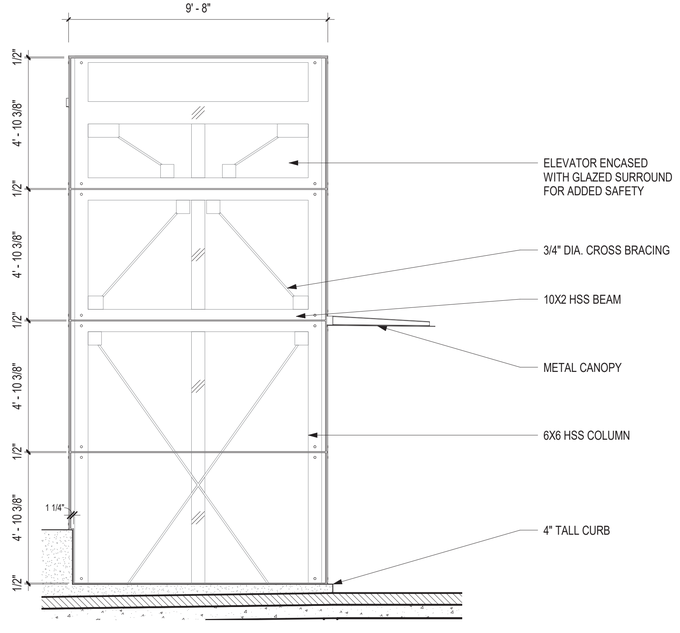
3 ELEVATION - STREET SIDE

SCALE: 3/8" = 1'-0"



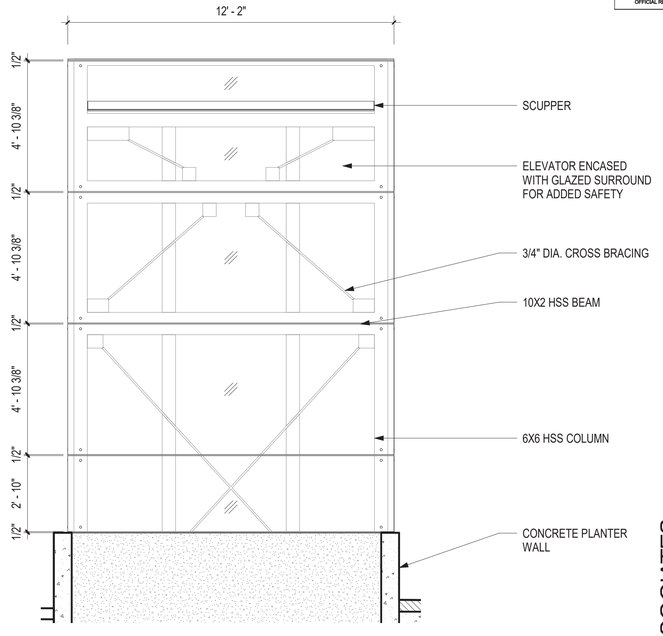
1 ELEVATION - FRONT

SCALE: 3/8" = 1'-0"



4 ELEVATION - PARK SIDE

SCALE: 3/8" = 1'-0"



2 ELEVATION - REAR

SCALE: 3/8" = 1'-0"

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: Approver DATE: 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: ELEVATORS - OLIVE STREET PLAZA

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A762-1A

SHEET OF SHEETS

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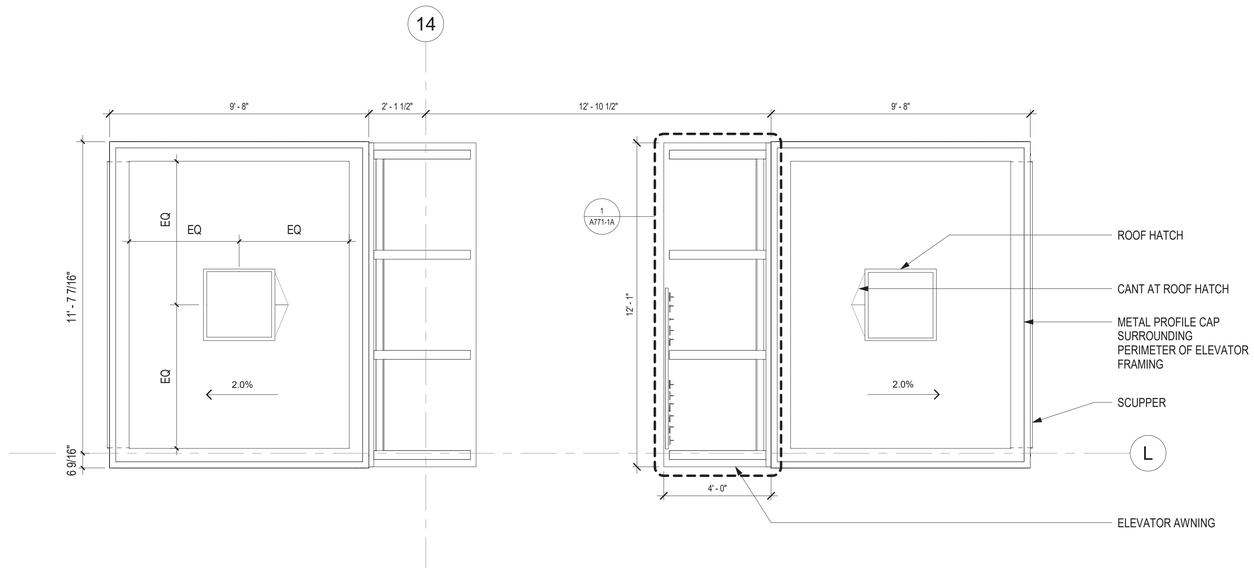

1 OLIVE STREET ELEVATOR ROOF PLAN

SCALE: 3/8" = 1'-0"

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CITY OF LOS ANGELES

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INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY ENGINEER **GARY LEE MOORE, PE, ENV SP** DATE: 12/16/2021
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATORS - OLIVE STREET ROOF PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A763-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:35 AM

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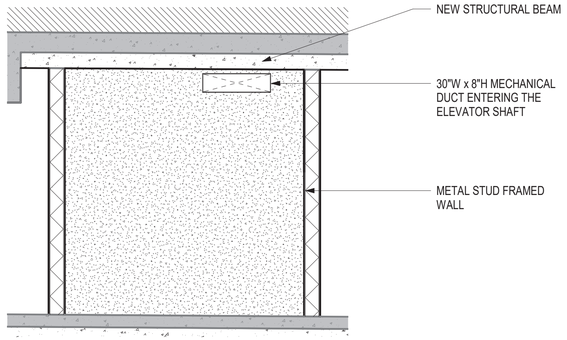
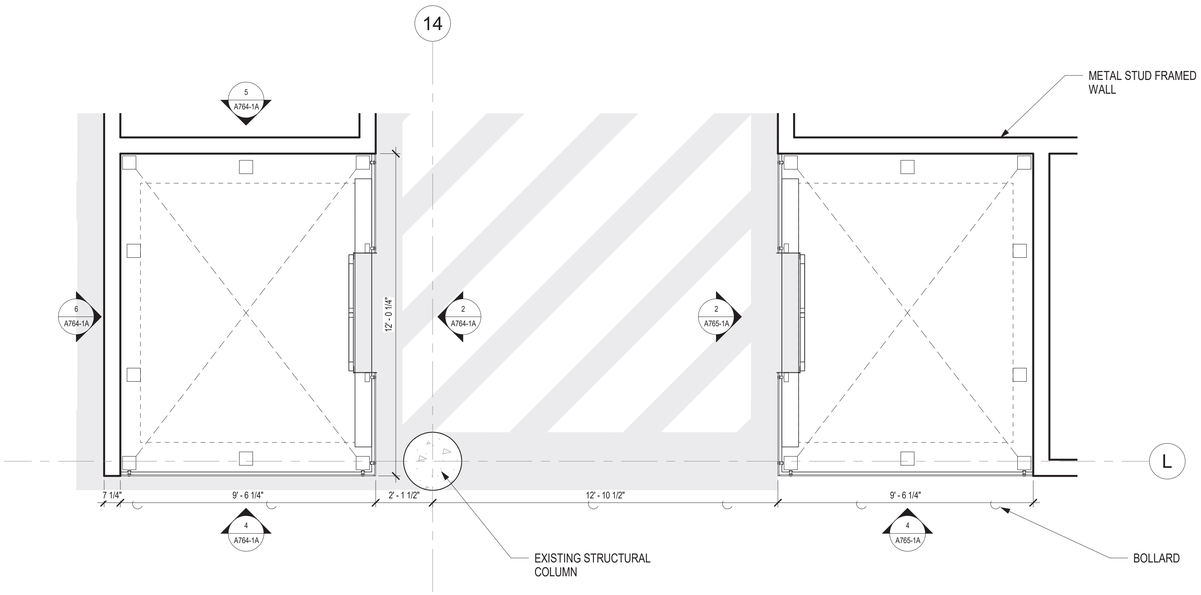


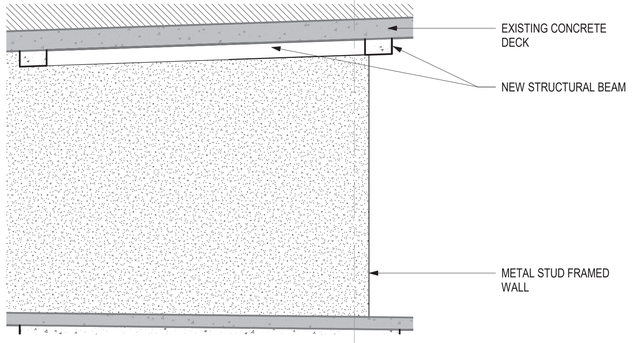
5 ELEVATION - SIDE

SCALE: 3/8" = 1'-0"



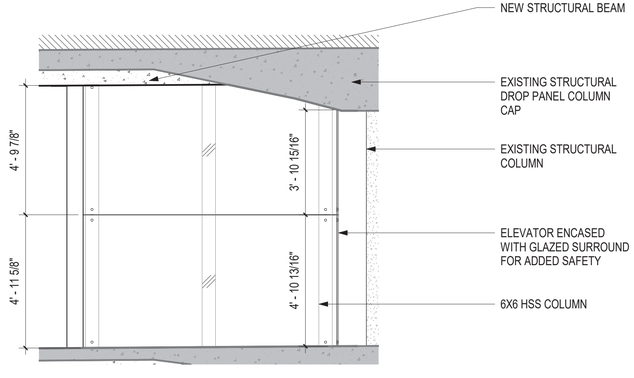
1 PLAN

SCALE: 3/8" = 1'-0"



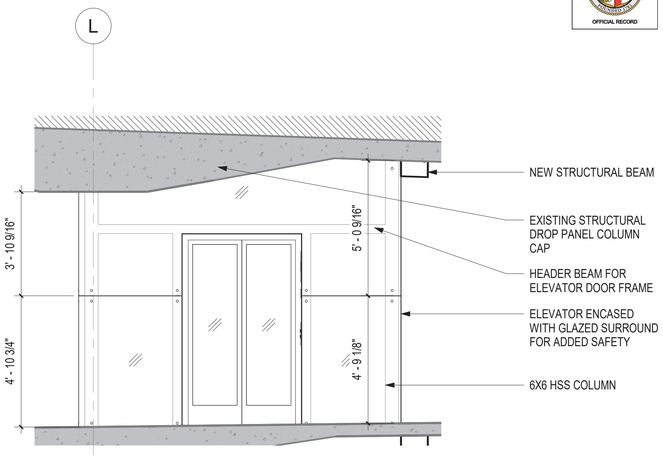
6 ELEVATION - REAR

SCALE: 3/8" = 1'-0"



4 ELEVATION - SIDE

SCALE: 3/8" = 1'-0"



2 ELEVATION - FRONT

SCALE: 3/8" = 1'-0"

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A, PRINCIPAL ARCHITECT

DATE: 12/16/2021 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATORS - OLIVE STREET P1 LEVEL

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A764-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:42 AM

4 PHASE 1A - P1 ELEVATOR 2 SOUTH ELEVATION

SCALE: 3/8" = 1'-0"



2 ELEVATION - EAST ELEVATOR FRONT

SCALE: 3/8" = 1'-0"

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OFFICIAL RECORD

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. **MF-300492**

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agence**ter**
PAYSAGISTES URBANISTES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATORS - OLIVE STREET P1 LEVEL

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A765-1A

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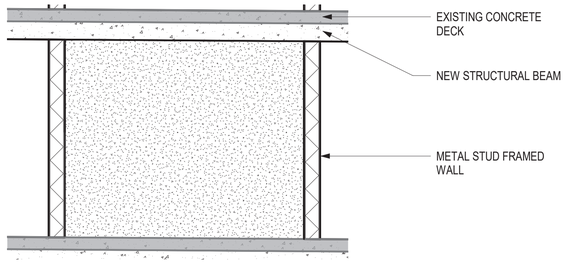
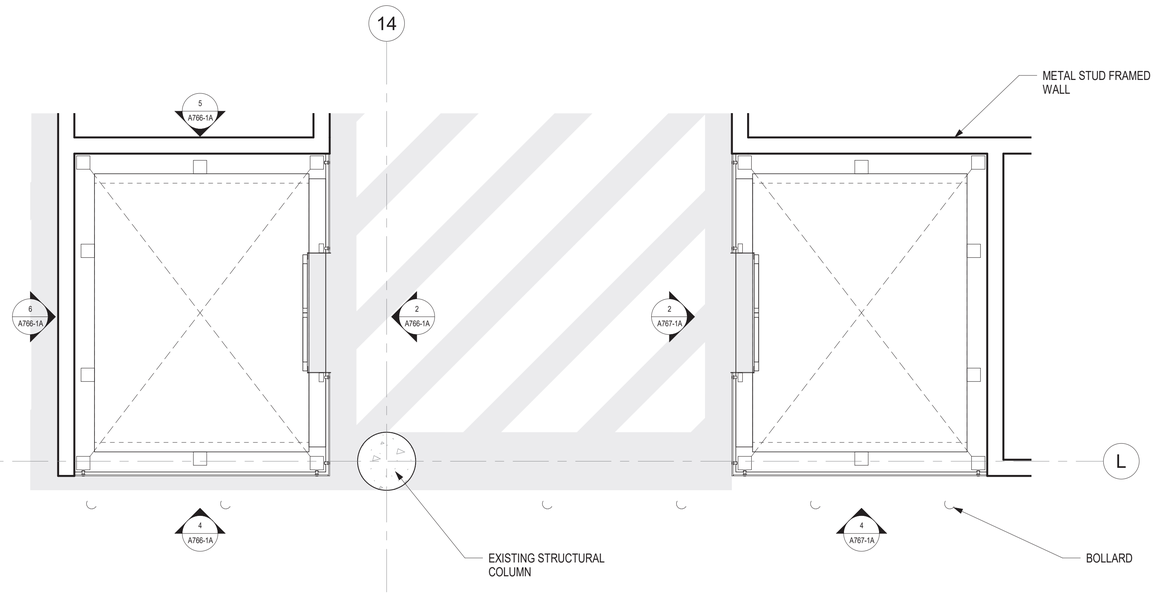


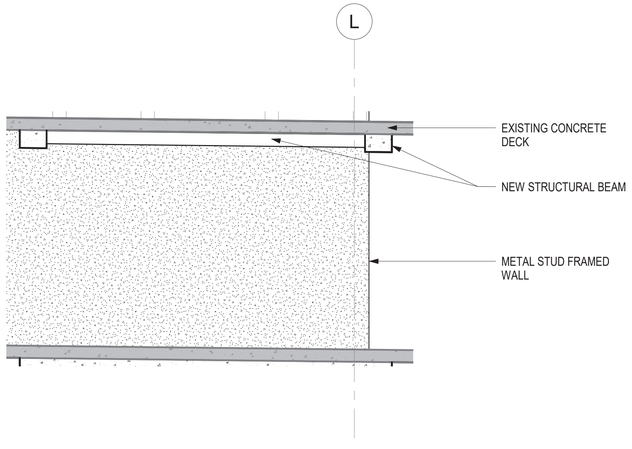
5 ELEVATION - SIDE

SCALE: 3/8" = 1'-0"



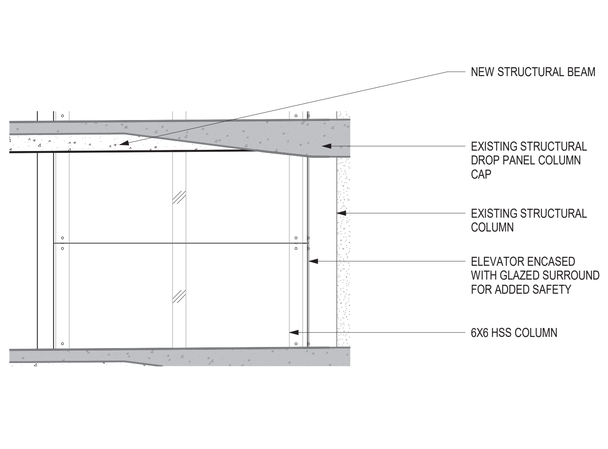
1 PLAN

SCALE: 3/8" = 1'-0"



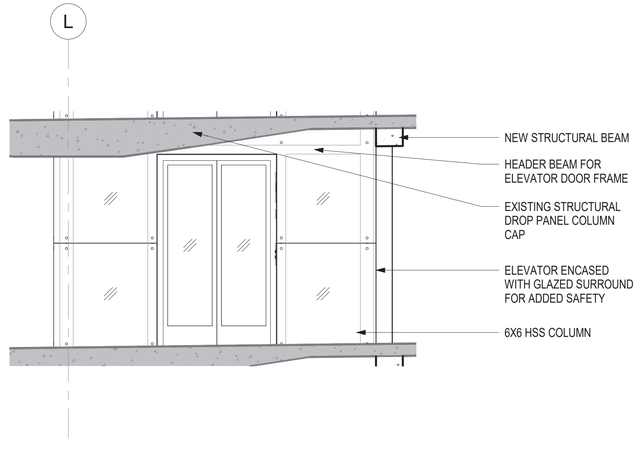
6 ELEVATION - REAR

SCALE: 3/8" = 1'-0"



4 ELEVATION - SIDE

SCALE: 3/8" = 1'-0"



2 ELEVATION - WEST ELEVATOR FRONT

SCALE: 3/8" = 1'-0"

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BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

DATE: 12/16/2021 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATORS - OLIVE STREET P2 & P3 LEVEL

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **A766-1A**

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:50 AM

4 PHASE 1A - P2 ELEVATOR 2 SOUTH ELEVATION

SCALE: 3/8" = 1'-0"

2 ELEVATION - ELEVATOR FRONT

SCALE: 3/8" = 1'-0"

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CITY OF LOS ANGELES

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BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATORS - OLIVE STREET P2 & P3 LEVEL

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A767-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:53 AM

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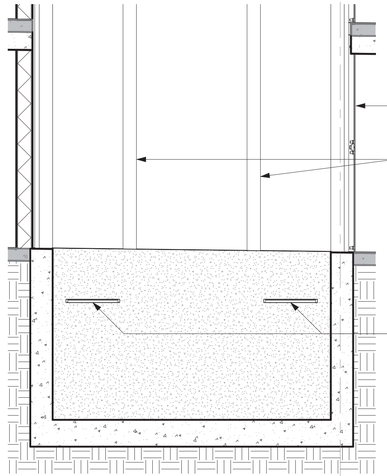
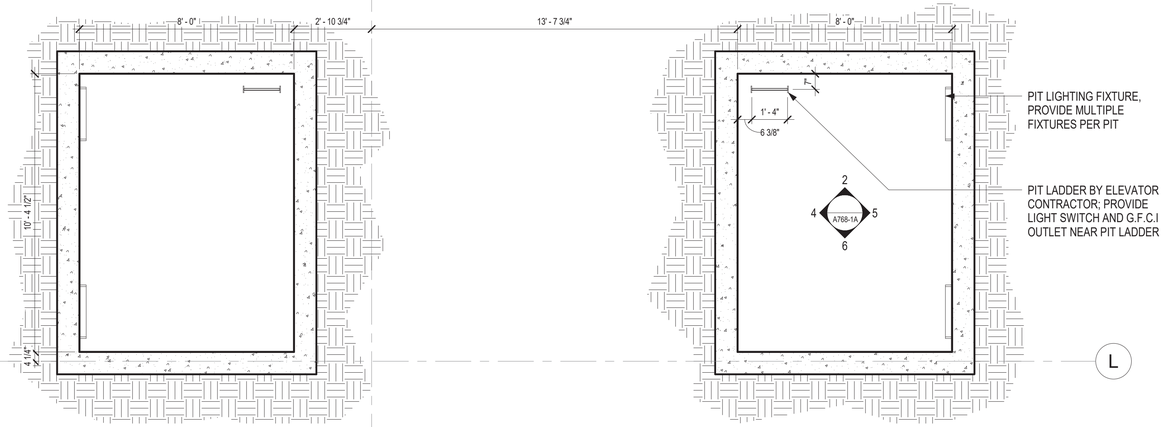


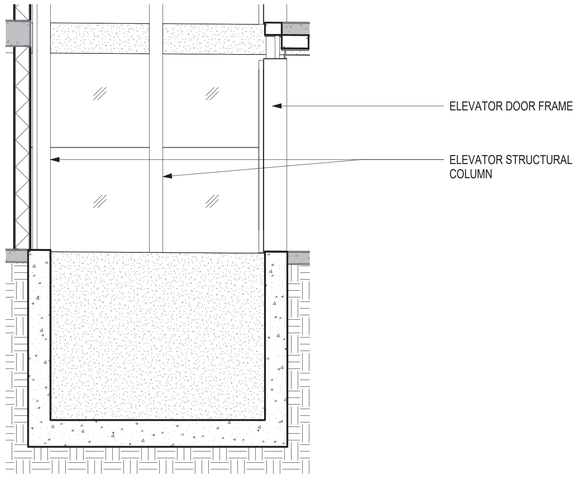
5 ELEVATOR PIT EAST

SCALE: 3/8" = 1'-0"



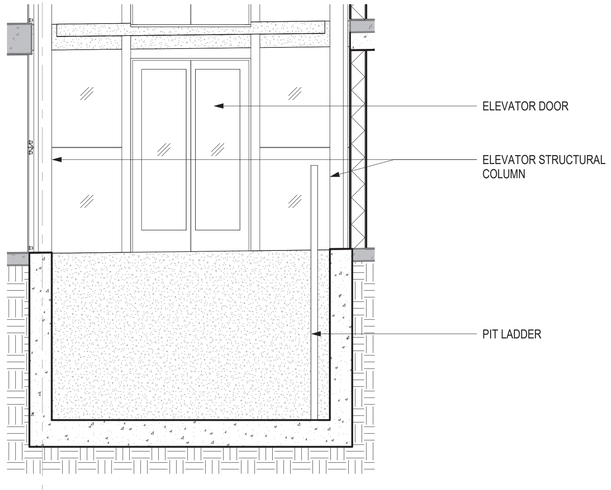
1 OLIVE STREET ELEVATOR PIT

SCALE: 3/8" = 1'-0"



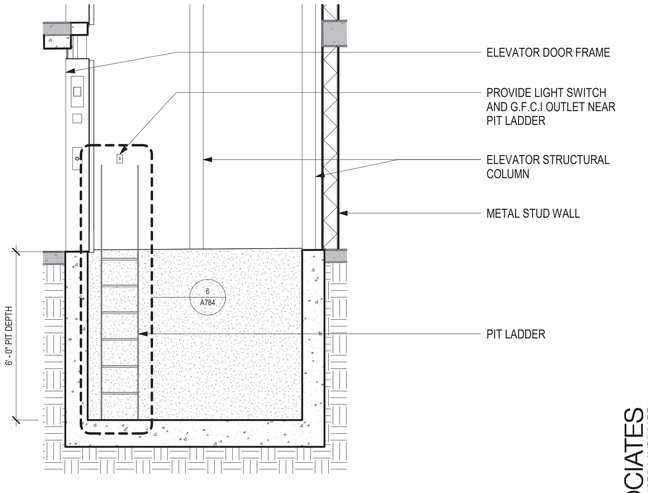
6 ELEVATOR PIT SOUTH

SCALE: 3/8" = 1'-0"



4 ELEVATOR PIT WEST

SCALE: 3/8" = 1'-0"



2 ELEVATOR PIT NORTH

SCALE: 3/8" = 1'-0"

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INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 11/08/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A, PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR PIT - OLIVE STREET

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **A768-1A**

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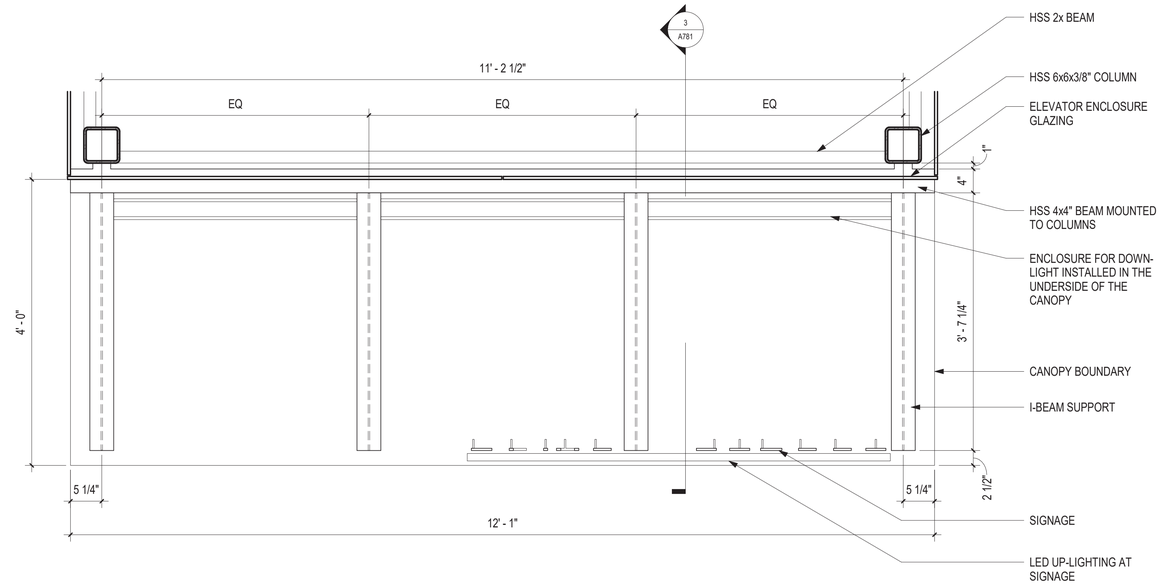
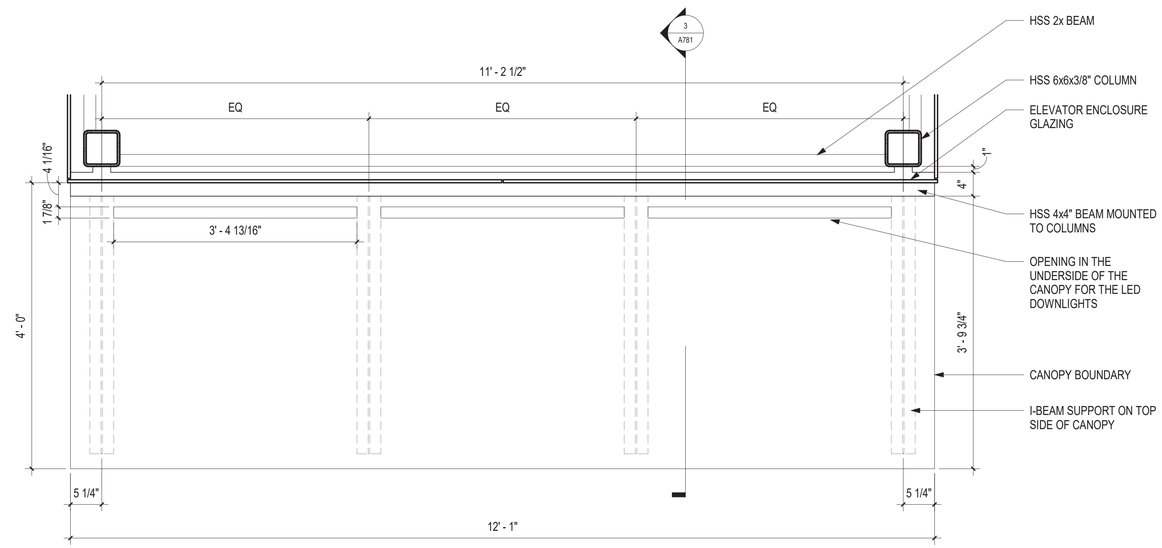


1 ELEVATOR CANOPY - OLIVE STREET - PLAN

SCALE: 1" = 1'-0"



2 ELEVATOR CANOPY - OLIVE STREET - RCP

SCALE: 1" = 1'-0"

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

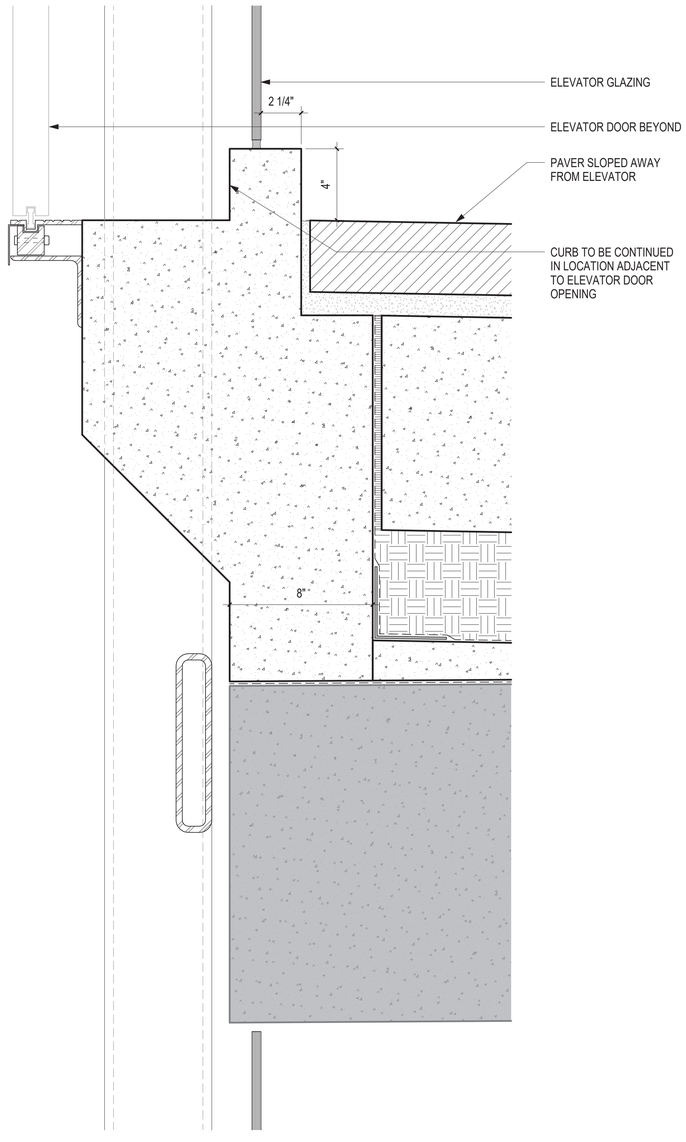
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A771-1A

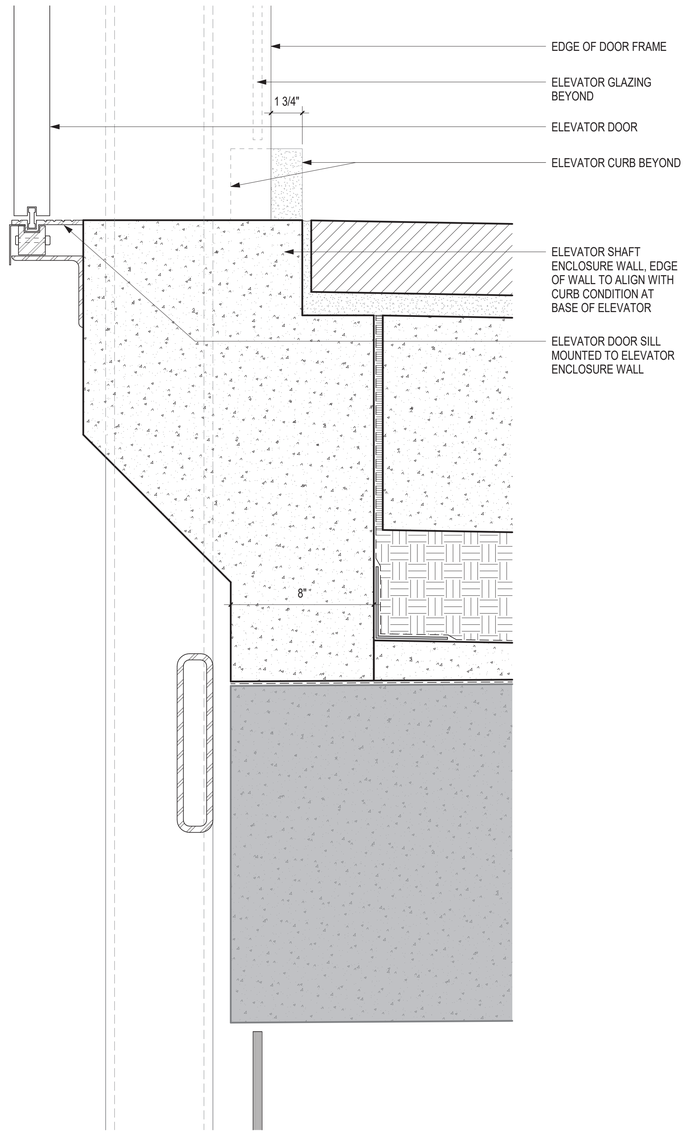
SHEET OF SHEETS

PLOTTED: 11/3/2021 8:52:59 AM



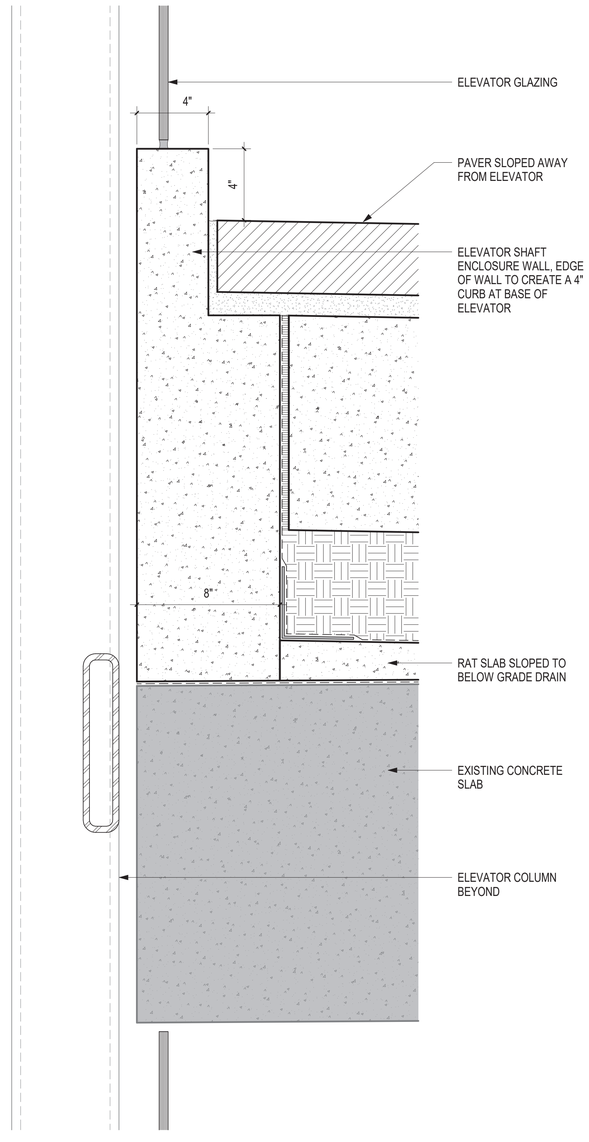
6 ELEVATOR SHAFT ENCLOSURE @ DOOR SHELF

SCALE: 3" = 1'-0"



4 ELEVATOR SHAFT ENCLOSURE @ DOOR

SCALE: 3" = 1'-0"



2 ELEVATOR SHAFT ENCLOSURE

SCALE: 3" = 1'-0"

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INDEX NO. **MF-300492**

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DEBRA A. GEROD
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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A772-1A

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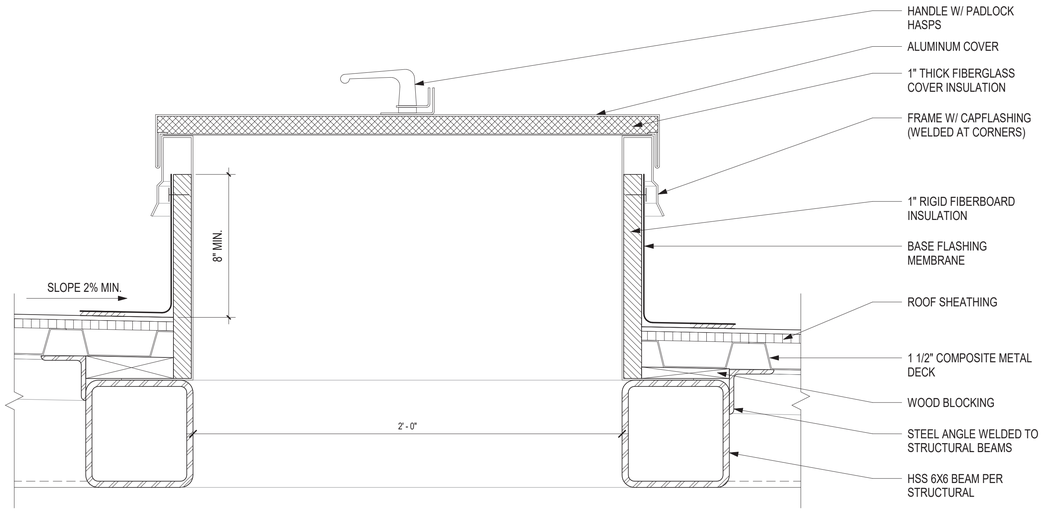
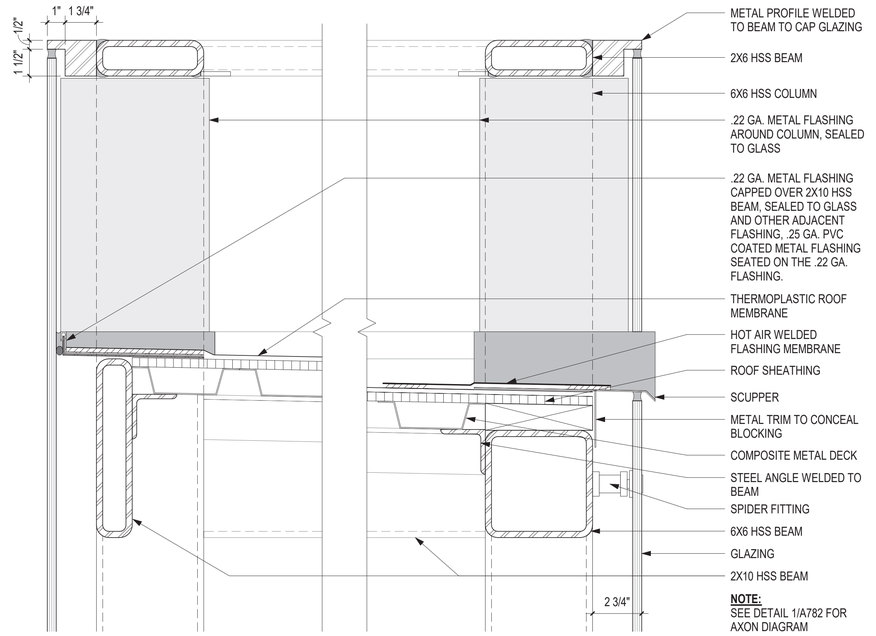


3 ROOF HATCH

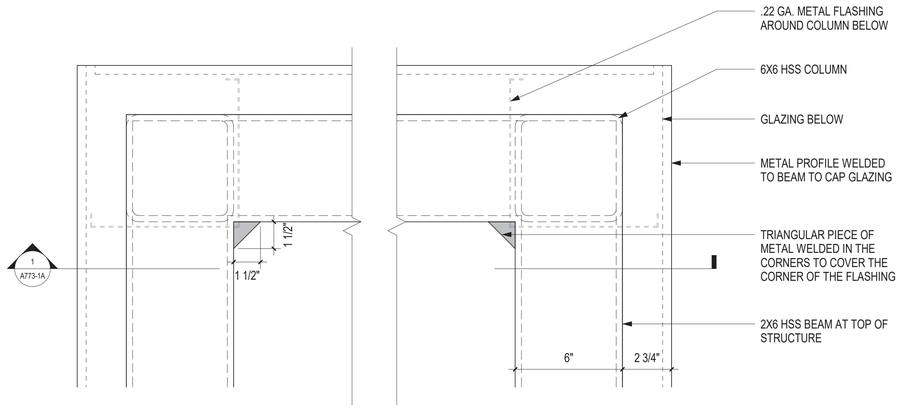
SCALE: 3" = 1'-0"



NOTE:
SEE DETAIL 1/A782 FOR AXON DIAGRAM

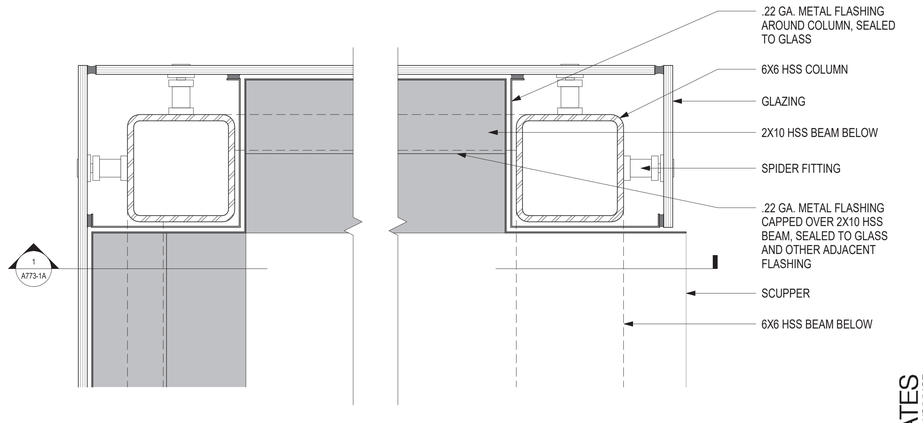
1 ROOF ASSEMBLY - SECTION

SCALE: 3" = 1'-0"



4 TOP OF STRUCTURE - PLAN

SCALE: 3" = 1'-0"



2 ROOF ASSEMBLY - PLAN

SCALE: 3" = 1'-0"

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DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 11/08/201
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A773-1A

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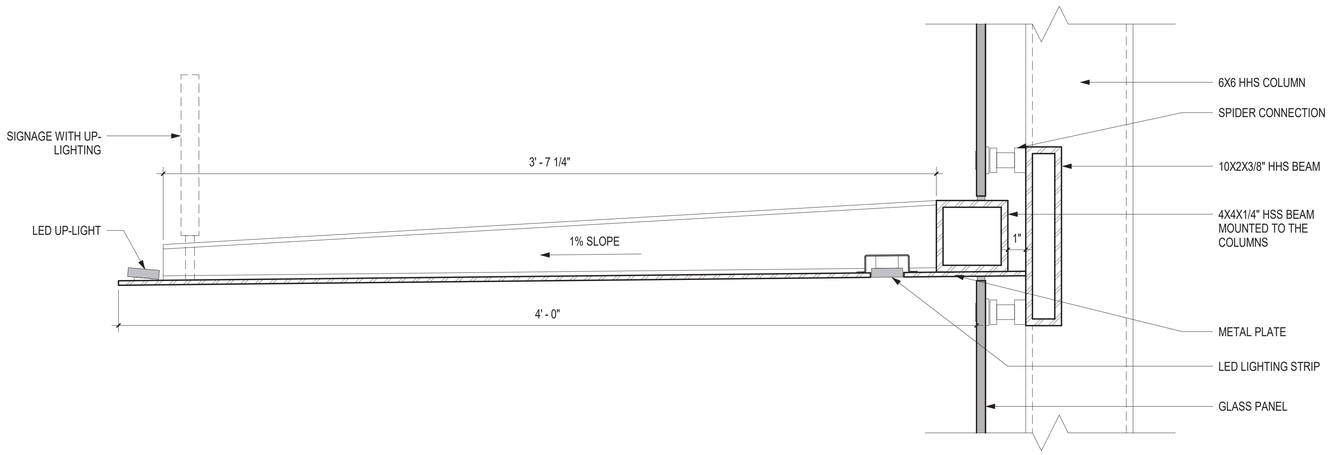
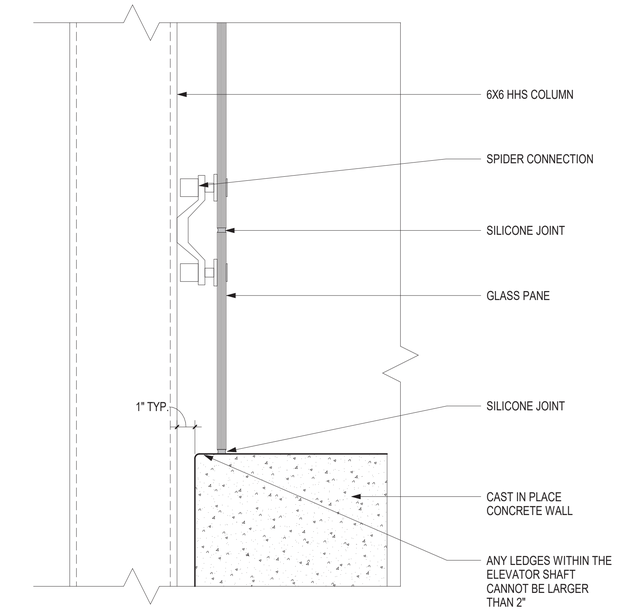


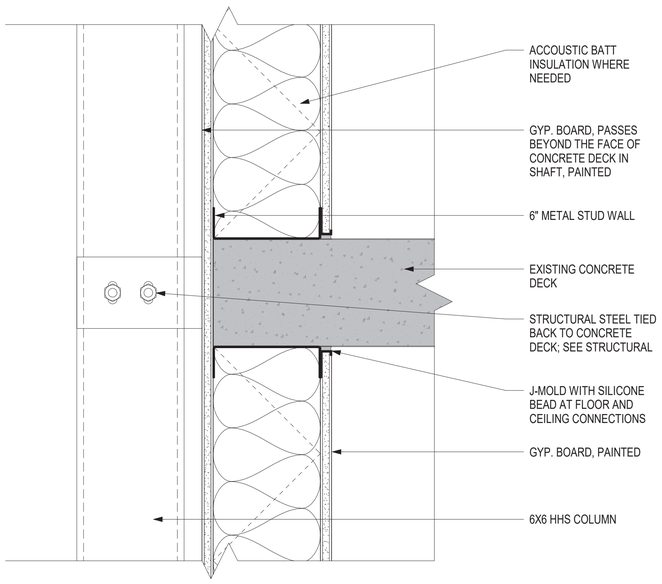
3 ELEVATOR AWNING

SCALE: 3" = 1'-0"



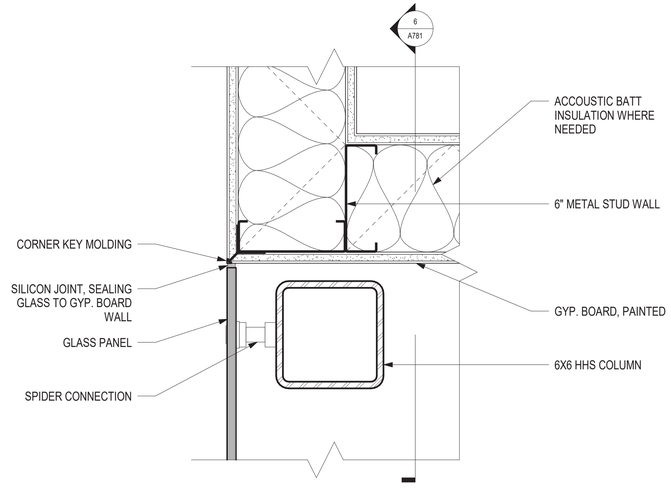
1 ELEVATOR SHAFT GLASS AT CONCRETE WALL

SCALE: 3" = 1'-0"



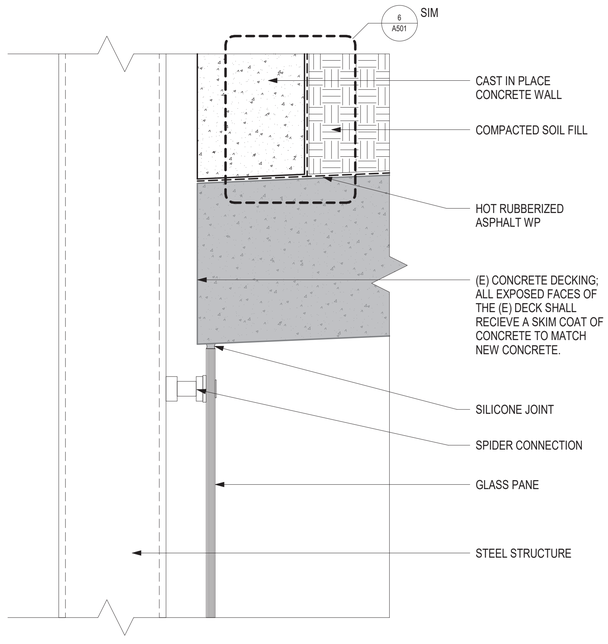
6 ELEVATOR SHAFT AT STUD WALL - SECTION

SCALE: 3" = 1'-0"



4 ELEVATOR SHAFT AT STUD WALL - PLAN

SCALE: 3" = 1'-0"



2 ELEVATOR SHAFT GLASS AT CONCRETE DECKING UNDERSIDE

SCALE: 3" = 1'-0"

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INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC

GARY LEE MOORE, PE, ENV SP CITY ENGINEER — DATE: 12/16/2021
ARCHITECTURAL DIVISION — LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **A781**

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PLOTTED: 11/3/2021 8:53:06 AM

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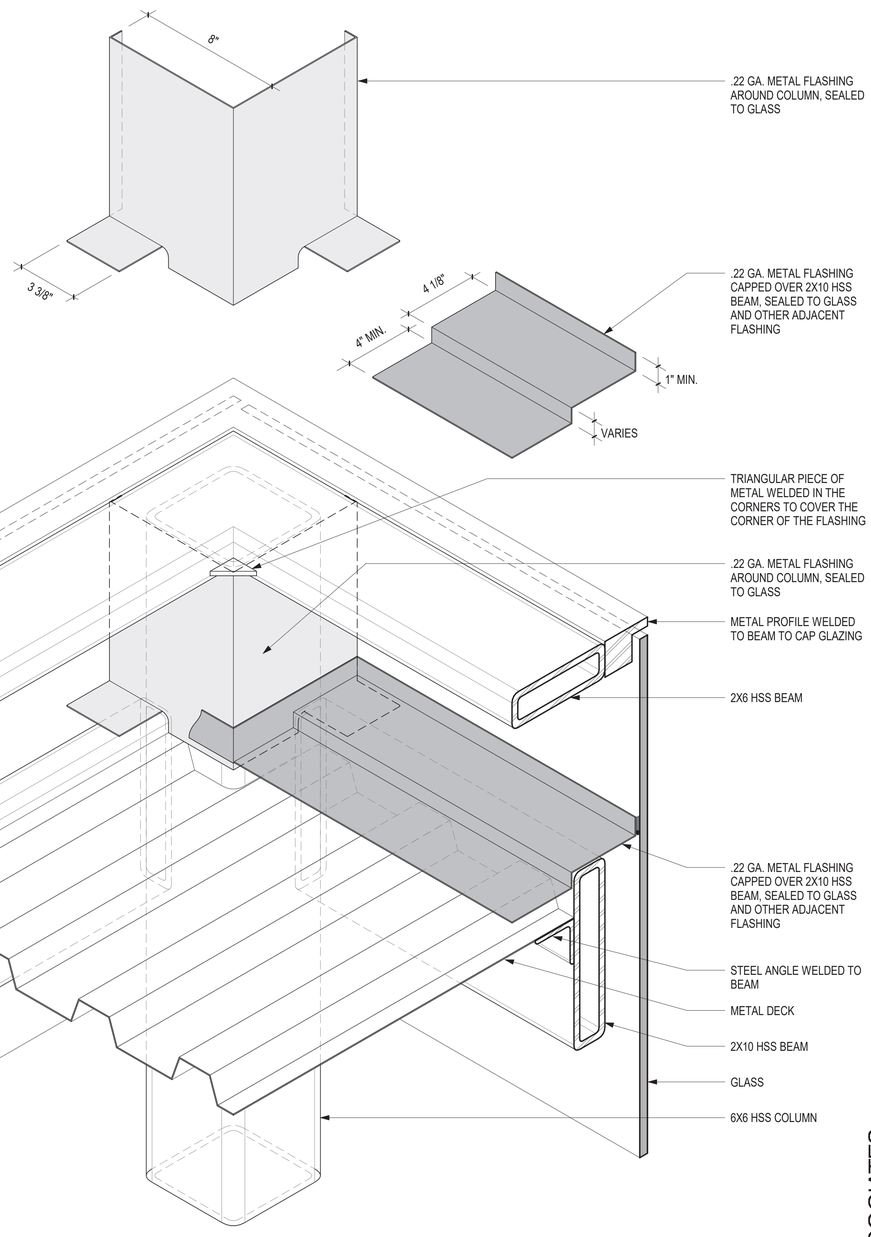

1 ELEVATOR ROOF FLASHING ASSEMBLY
SCALE: 3" = 1'-0"

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DEBRA A. GEROD
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STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

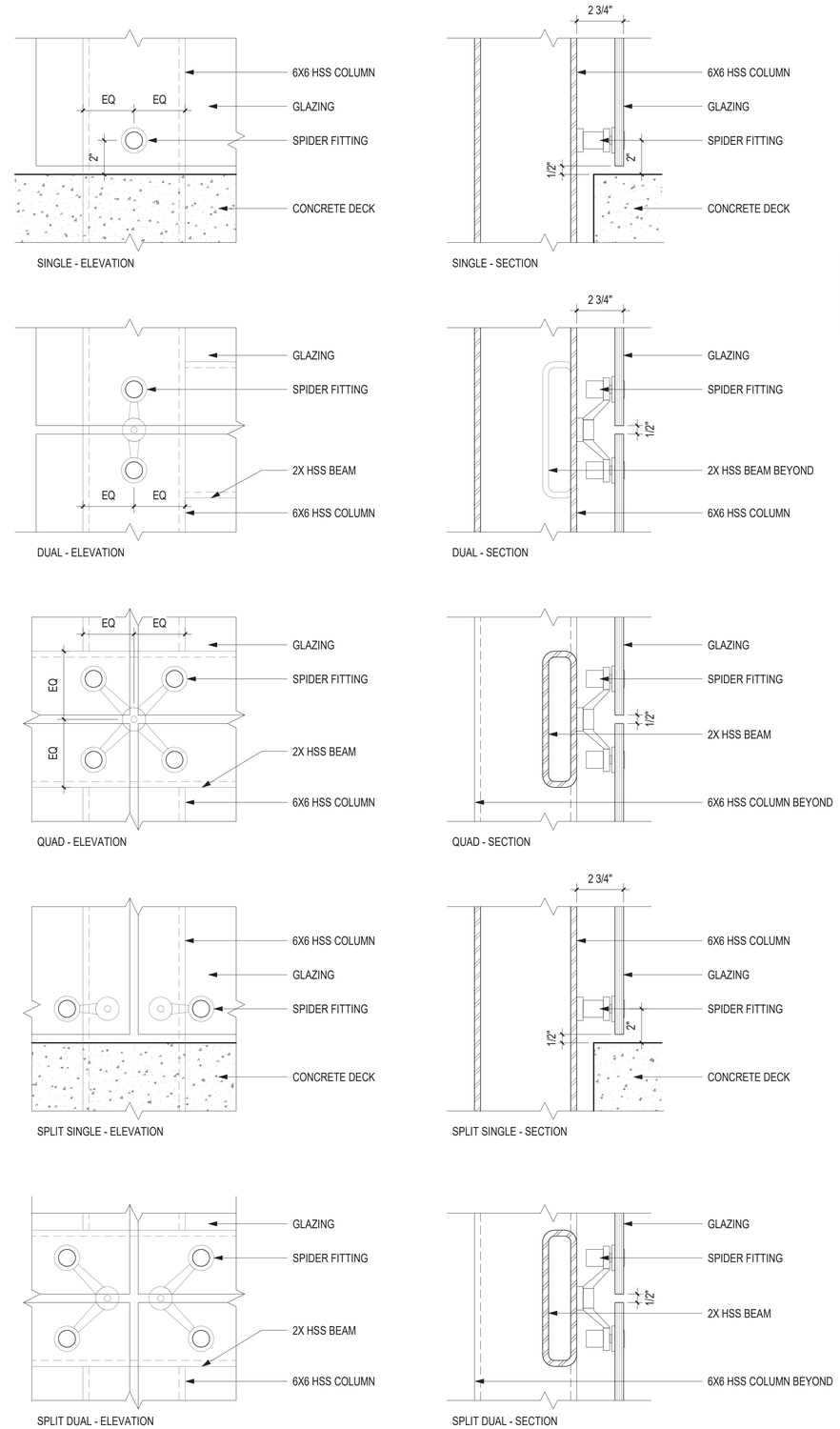
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
A782

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:53:11 AM



1 SPIDER FITTINGS
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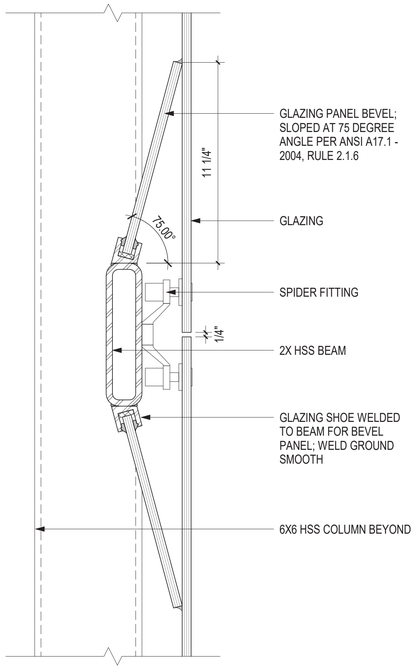

2 BEVELED GLAZING PANELS
SCALE: 3" = 1'-0"

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NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ELEVATOR DETAILS
PROJECT: PERSHING SQUARE RENOVATION
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A783
SHEET OF SHEETS

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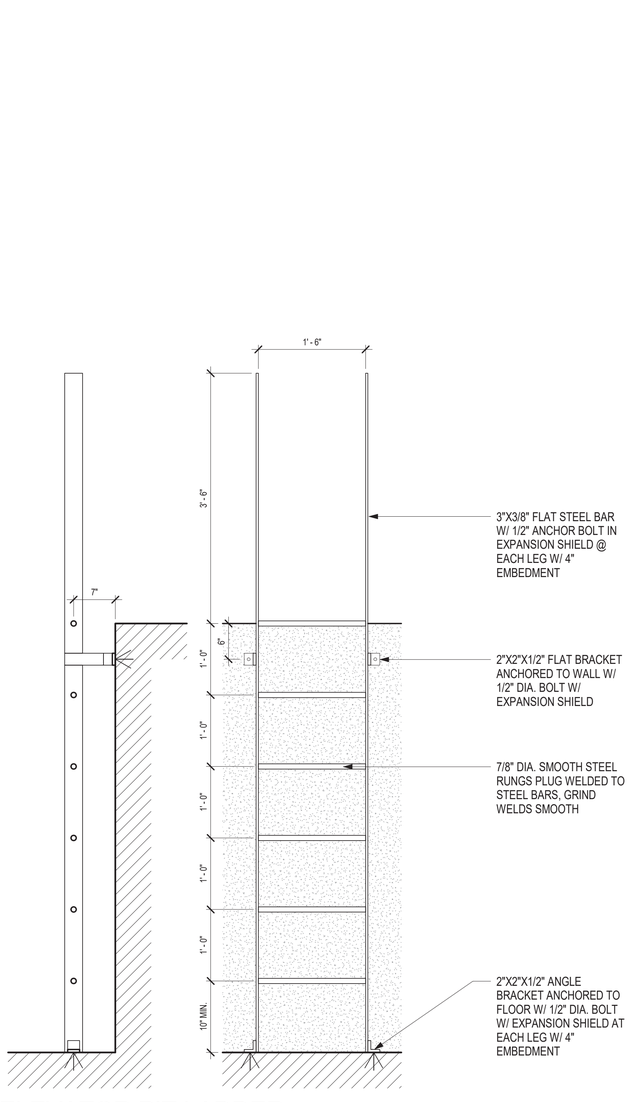
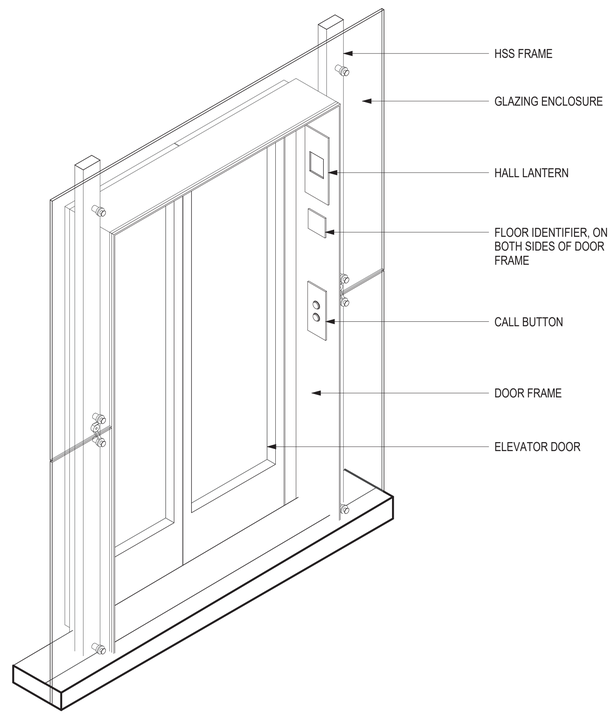


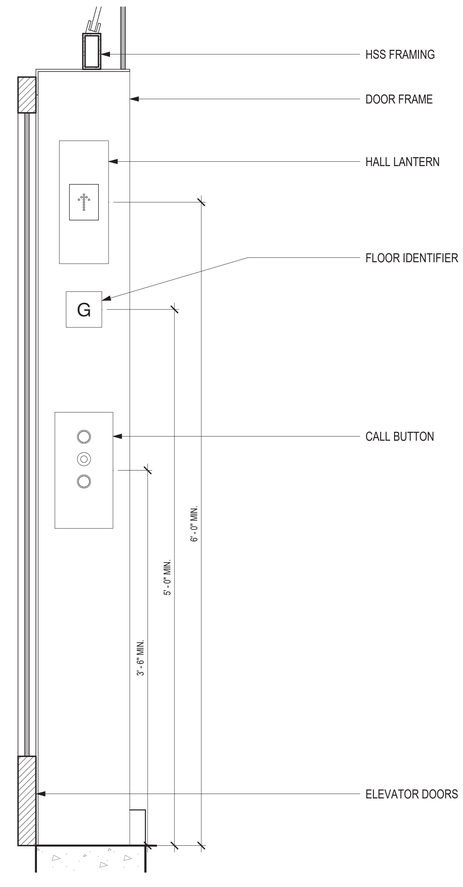
6 ELEVATOR PIT LADDER

SCALE: 1" = 1'-0"



4 ELEVATOR DOORWAY AXON

SCALE:



2 ELEVATOR DOOR FRAME

SCALE: 1 1/2" = 1'-0"

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NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 11/08/201

ARCHITECTURAL DIVISION LIC. NO. C23665 12/16/2021

ARCHITECT: DEBRA GEROD
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A784

SHEET OF SHEETS

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE: 11/3/2021 8:53:16 AM

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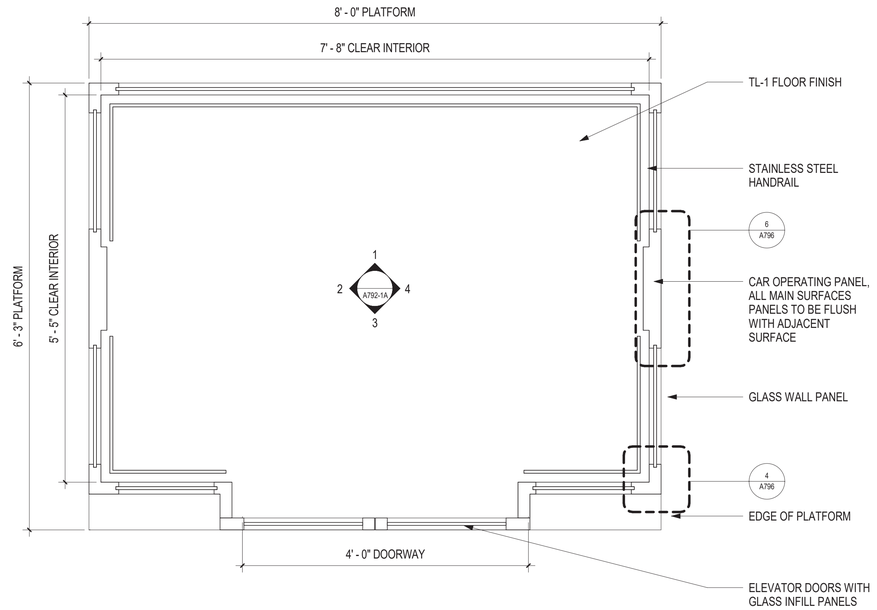
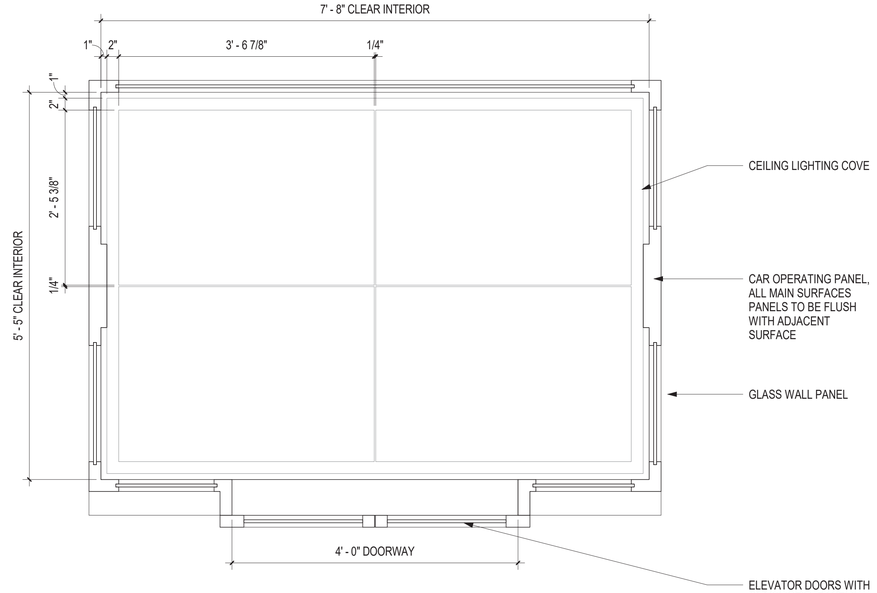


1 FLOOR PLAN
SCALE: 1" = 1'-0"



2 RCP
SCALE: 1" = 1'-0"

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NO.	REVISIONS:	DATE:	BY:
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BUILDING NO.

INDEX NO. MF-300492

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REN. 08-31-23
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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR CAB PLANS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A791-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:53:19 AM

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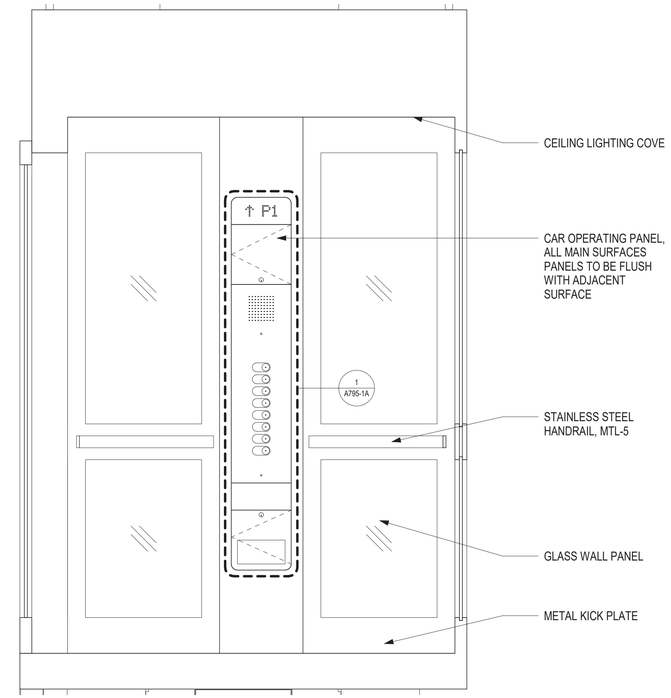
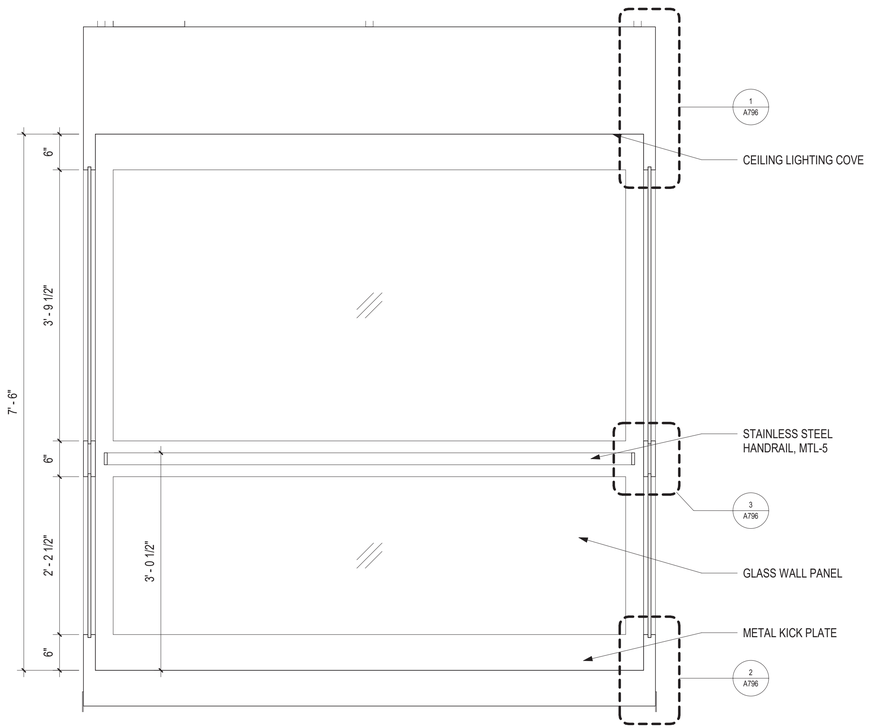


2 ELEVATOR CAB - OLIVE STREET - B

SCALE: 1" = 1'-0"



1 ELEVATOR CAB - OLIVE STREET - A

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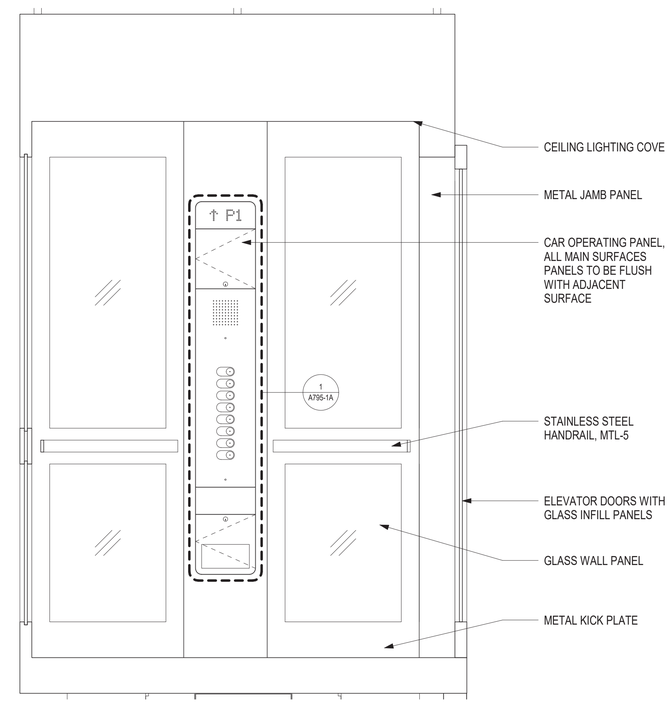
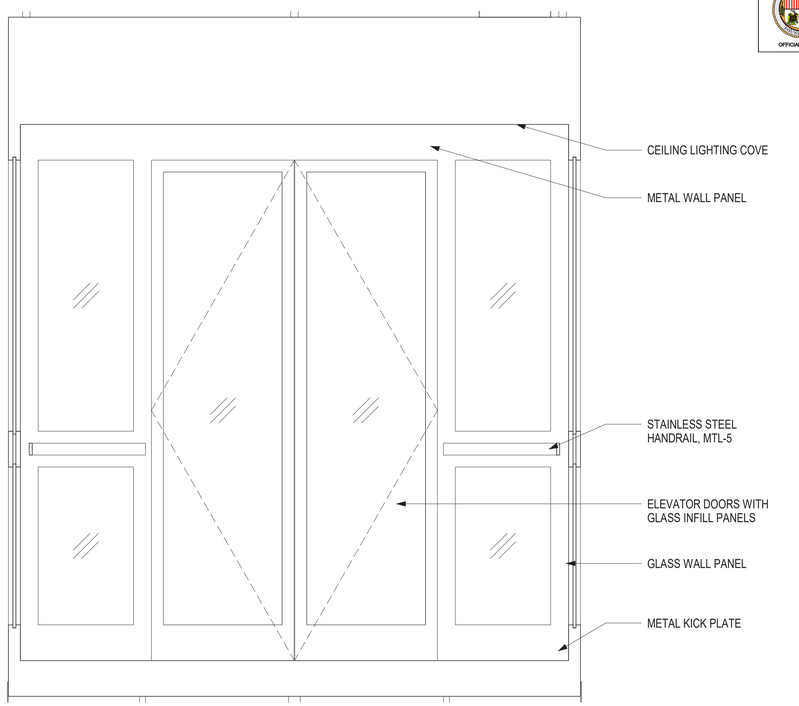


4 ELEVATOR CAB - OLIVE STREET - D

SCALE: 1" = 1'-0"



3 ELEVATOR CAB - OLIVE STREET - C

SCALE: 1" = 1'-0"

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BUILDING NO.

INDEX NO. MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR CAB INTERIOR ELEVATIONS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

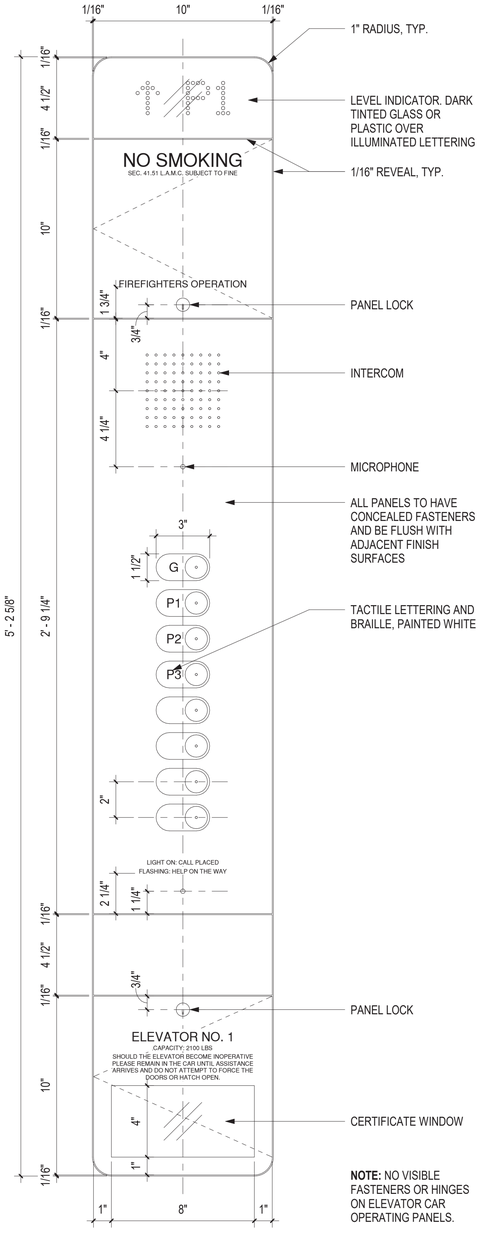
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A792-1A

SHEET OF SHEETS

PLOTTED: 11/3/2021 8:53:22 AM



1 COP ELEVATION

SCALE: 3" = 1'-0"

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CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. **MF-300492**

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DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP DATE: 12/16/2021
CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR CAB DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A795-1A

SHEET OF SHEETS

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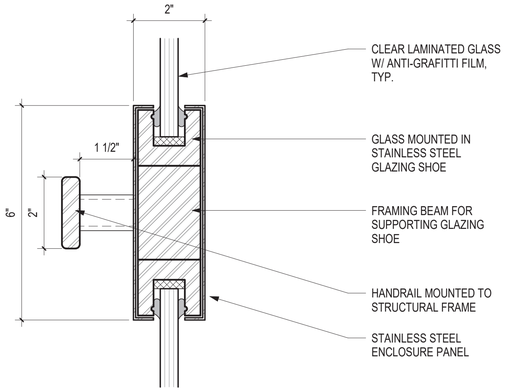
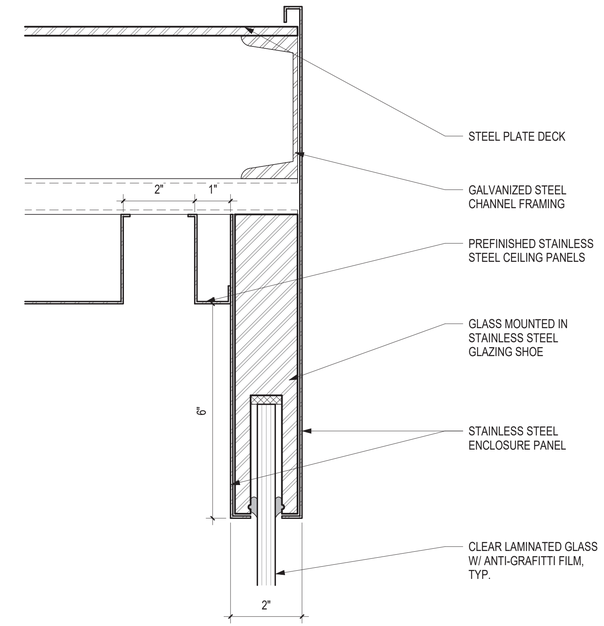


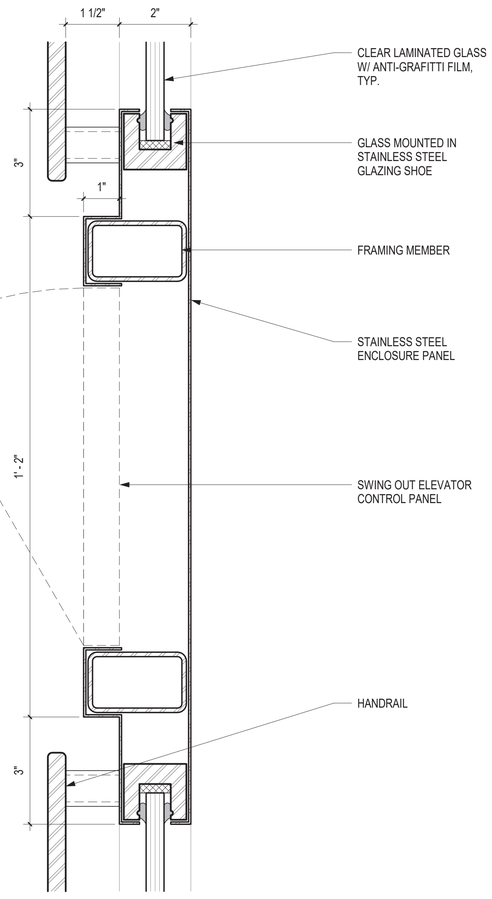
3 HANDRAIL DETAIL

SCALE: 6" = 1'-0"



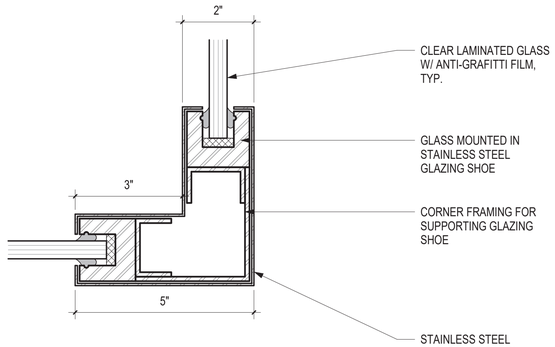
1 HEAD DETAIL

SCALE: 6" = 1'-0"



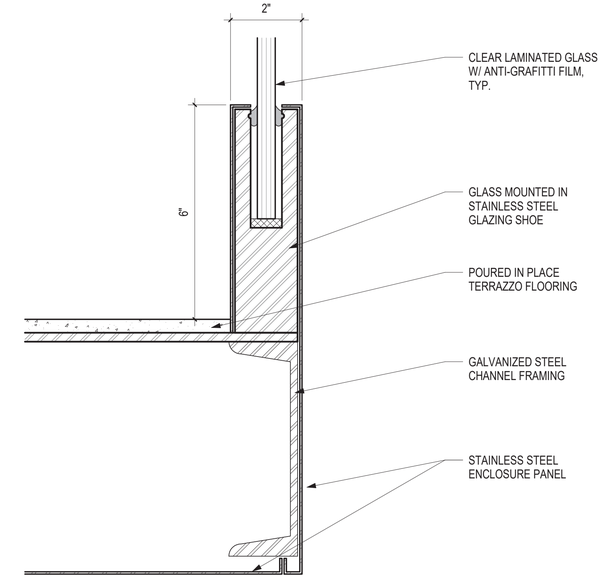
6 COP DETAIL - PLAN

SCALE: 6" = 1'-0"



4 CORNER DETAIL - PLAN

SCALE: 6" = 1'-0"



2 BASE DETAIL

SCALE: 6" = 1'-0"

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DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

BUILDING NO.

INDEX NO. MF-300492

NO. REVISIONS: DATE: BY:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR CAB DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. A796
SHEET OF SHEETS

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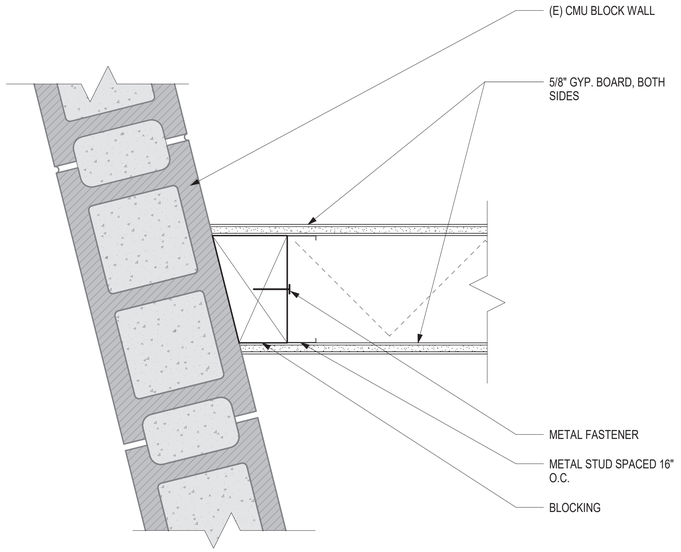
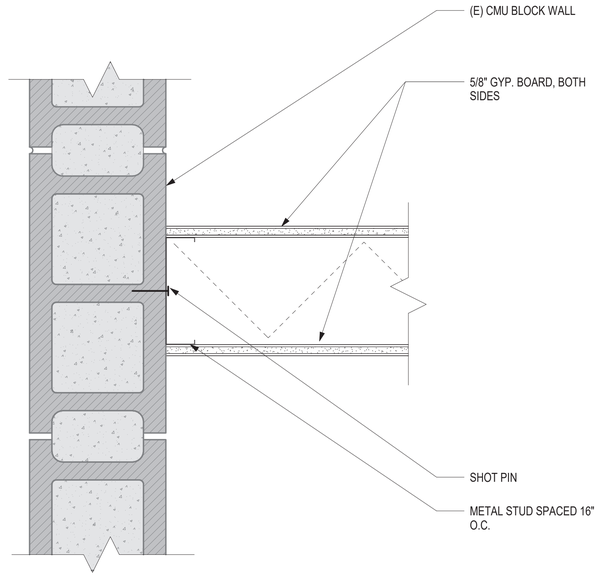


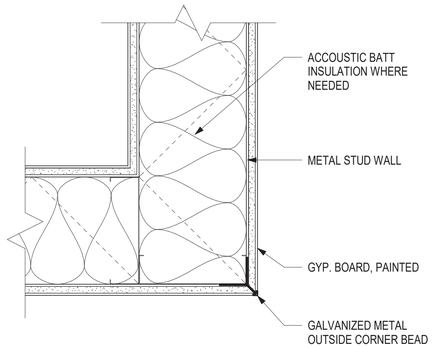
3 STUD/ (E) CMU WALL 'T' CROSS W/ BLOCKING

SCALE: 3" = 1'-0"



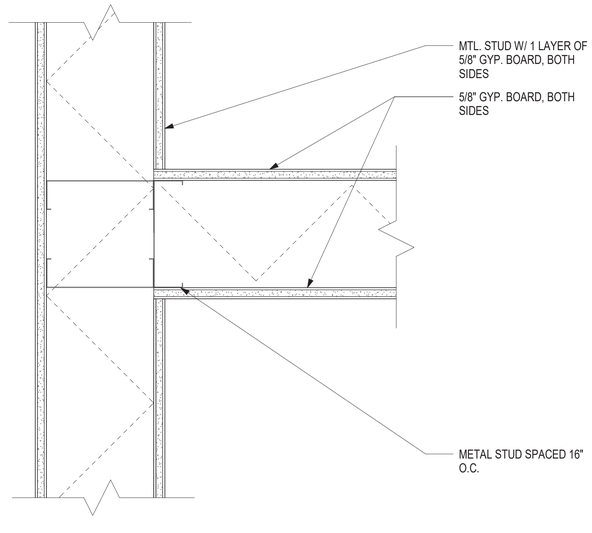
1 STUD WALL AT (E) CMU 'T' CROSS

SCALE: 3" = 1'-0"



4 STUD WALL CORNER

SCALE: 3" = 1'-0"



2 STUD WALL AT 'T' CROSS

SCALE: 3" = 1'-0"

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BUILDING NO.

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: INTERIOR DETAILS

PROJECT: PERSHING SQUARE RENOVATION

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. A825

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PLOTTED: 11/3/2021 8:53:29 AM

CAL GREEN NOTES

ALL NEW DUCTS AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNITL THE FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT.

MECHANICALLY VENTILATED BUILDINGS SHALL HAVE AIR FILTER WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13 OR HIGHER. FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.

THE HVAC, REFRIGERATION, AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS.

BUILDINGS THAT USE DEMAND CONTROL VENTILATION SHALL HAVE CO2 SENSORS AND VENTILATION CONTROLS INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6, SECTION 121(C).

PROCEDURE FOR TESTING AND ADJUSTING

1. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND APPLICABLE STANDARDS ON EACH SYSTEM.

2. HVAC BALANCING. IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, BALANCE THE SYSTEM IN ACCORDANCE WITH THE PROCEDURES DEFINED BY THE TESTING ADJUSTING AND BALANCING BUREAU NATIONAL STANDARDS; THE NATIONAL ENVIRONMENTAL BUREAU PROCEDURAL STANDARDS; ASSOCIATED AIR BALANCE COUNCIL NATIONAL STANDARDS OR AS APPROVED BY THE ENFORCING AGENCY.

3. REPORTING. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.

4. OPERATION AND MAINTENANCE (O&M) MANUAL. PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES/WARRANTIES FOR EACH SYSTEM. O&M INSTRUCTIONS SHALL BE CONSISTENT WITH OSHA REQUIREMENTS IN CCR, TITLE 8, SECTION 5142, AND OTHER RELATED REGULATIONS.

5. INSPECTIONS AND REPORTS. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.

GENERAL NOTES

A. GENERAL:

1. SCOPE OF THE PROJECT INCLUDES WORK SHOWN ON THE DRAWINGS AND IN THE SPECIFICATIONS.
2. WORK SHOWN ON THE DRAWINGS IS INCLUSIVE, WHETHER SHOWN AT EACH LOCATION OR NOT, AS LONG AS IT IS SHOWN IN ONE LOCATION ON THE DRAWINGS OR IN THE SPECIFICATIONS WORK SHALL BE PROVIDED.
3. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
4. THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY OF COORDINATION WITH VARIOUS TRADES AND INCLUDE TURNS, BENDS, ADDITIONAL LENGTHS OF DUCTS, PIPING AND ELEVATION CHANGES, AND TRANSITIONS WITHOUT ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR MUST EXAMINE CONSTRAINTS AND THE AVAILABLE SPACE AT THE JOB SITE THAT MAY REQUIRE CUSTOM FABRICATION OR DISASSEMBLY AND RE-ASSEMBLY OF CERTAIN EQUIPMENT.
6. PROTECT MATERIALS INCLUDING DUCTS AND PIPES FROM DUST AND DEBRIS AND KEEP OPEN END OF PIPES AND DUCTS COVERED UNTIL READY FOR INSTALLATION OF NEXT SEGMENT OF WORK. LINED DUCTS THAT ARE DIRTY WILL NOT BE ACCEPTABLE.
7. WORK DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED, PAINTED AND FINISHED TO MATCH EXISTING ADJACENT SURFACES IN TEXTURE, COLOR, AND FINISH.
8. CONTRACTOR TO SUBMIT SHOP DRAWINGS AND EQUIPMENT CUTS FOR REVIEW PRIOR TO INSTALLATION OF WORK.
9. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER TO THE OWNER AND ARCHITECT COMPLETE AS-BUILT DRAWINGS SHOWING WORK AS ACTUALLY INSTALLED.
10. MECHANICAL EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2019 CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ENERGY CODE, CALIFORNIA PLUMBING CODE AND CALIFORNIA FIRE CODE.
11. INSULATION SHALL COMPLY WITH THE REQUIREMENTS OF CALIFORNIA ENERGY CODE AND PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
12. AIR CONDITIONING UNITS SHALL BE CERTIFIED PER THE REQUIREMENTS OF THE CALIFORNIA ENERGY COMMISSION.
13. WORK TO BE INSTALLED OUTDOORS; INCLUDING, BUT NOT LIMITED TO; EQUIPMENT, DUCTS, PIPING, CONTROL DEVICES, SMOKE DETECTORS, AND VARIABLE FREQUENCY DRIVES SHALL BE COMPLETELY WEATHERPROOFED.
14. OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM OR 3'-0" BELOW ANY VENTS OR EXHAUST OUTLETS.
15. CURBS, ROOF JACKS AND EQUIPMENT SUPPORT PADS SHALL BE COMPATIBLE WITH ROOFING SYSTEM. FLASH AND COUNTERFLASH WEATHER EXPOSED ROOF OPENINGS. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FLASHING DETAILS.
16. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS SHALL BE DONE ONLY WHEN SO DETAILED ON THE STRUCTURAL DRAWINGS. COORDINATE EXACT LOCATION OF CORE DRILLING, CUTTING OF FLOOR SLAB, OR WALLS OF THE BUILDING WITH THE STRUCTURAL DRAWINGS. DO NOT CUT OR DRILL HOLES IN ANY STRUCTURAL ELEMENT WITHOUT APPROVAL OF THE ARCHITECT.
17. COORDINATE TEMPERATURE SENSOR AND THERMOSTAT LOCATION WITH FLOOR ARCHITECTURAL AND FURNITURE FLOOR PLANS. TEMPERATURE SENSOR AND THERMOSTAT ELEVATION SHALL BE 46-INCH ABOVE FINISHED FLOOR AT CENTERLINE OF THE DEVICE AND IN COMPLIANCE WITH ADA.
18. ROOM THERMOSTATS SHALL HAVE THE CAPABILITY TO SEQUENCE HEATING AND COOLING, AND TO TERMINATE HEATING AT 70°F. THE HEATING SETPOINT MUST BE ADJUSTABLE DOWN TO 55°F OR HIGHER.
19. CONDITIONS THAT, IN THE CONTRACTOR'S OPINION, PREVENT THE EXECUTION OF THE WORK AS INTENDED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN THE FORM OF AN RFI BEFORE BEGINNING THE WORK IN QUESTION.
20. WORK PERFORMED UNDER THIS CONTRACT IS SUBJECT TO INSPECTION BY THE BUILDING OWNER, ARCHITECT, AND ENGINEER FOR CONFORMITY WITH EXISTING BUILDING SYSTEMS, QUALITY OF PRODUCTS AND INSTALLATION. CONTRACTOR SHALL NOT PERFORM WORK THAT MAY ADVERSELY AFFECT THE EXISTING BUILDING SYSTEMS OPERATION, EITHER DUE TO IMPROPER INSTALLATION, INADEQUATE COORDINATION OR POOR WORKMANSHIP. WORK INSPECTED AND FOUND UNACCEPTABLE BY THE OWNER, ARCHITECT SHALL BE PROMPTLY REPLACED OR CORRECTED AT NO ADDITIONAL COST.
21. FIELD OBSERVATION AND SUPPORT SERVICES PERFORMED BY THE ENGINEER PRIOR TO, DURING, OR AFTER CONSTRUCTION ARE FOR THE PURPOSE OF ACHIEVING QUALITY CONTROL AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
22. DUCTWORK AND PIPING PENETRATING SLAB TO SLAB PARTITIONS SHALL BE SEALED AIRTIGHT. A RESILIENT CAULKING AND PACKING SHALL BE USED. SEAL OPENINGS AROUND DUCTWORK AND PIPING PENETRATING FIRE RESISTIVE RATED WALLS AND FLOORS TO MAINTAIN RATING INTEGRITY.
23. PROVIDE ACCESS DOORS/PANELS REQUIRED FOR SERVICING LISTED ITEMS SUCH AS AIR TERMINAL UNITS, FIRE DAMPERS, COMBINATION SMOKE/FIRE DAMPERS, VOLUME DAMPERS, VALVES, AND DEVICES REQUIRING ACCESS WHETHER OR NOT SUCH ACCESS IS SHOWN ON DRAWINGS. COORDINATE EXACT LOCATION OF CEILING, WALL, OR FLOOR ACCESS PANELS WITH ARCHITECTURAL DRAWINGS.
24. COVER SHARP EDGES OF ALL EQUIPMENT OR SUPPORTS BELOW 8 FEET WITH INSULATING MATERIAL.
25. AIR BALANCING CONTRACTOR SHALL BE AABC OR NEBB CERTIFIED. BALANCING CONTRACTOR SHALL SUBMIT AIR BALANCING REPORTS FOR REVIEW.
26. ALL AIR FILTERS AND ALL STRAINERS TO BE REPLACED AND CLEANED PRIOR TO FINAL SYSTEMS ACCEPTANCE.
27. PROVIDE ONE SPARE SET OF FILTERS AND STRAINERS SCREENS AT EACH SYSTEM.

B. EQUIPMENT:

1. A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
2. INSTALL EQUIPMENT IN ACCESSIBLE LOCATION AND PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REQUIRING REMOVAL OF MECHANICAL, ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS.
3. FOR EQUIPMENT LOCATED ABOVE CEILING, INSTALL SUCH EQUIPMENT CLOSE ENOUGH TO THE CEILING ELEVATION TO FACILITATE READY ACCESS FOR MAINTENANCE AND SERVICING.
4. AIR MOVING SYSTEMS SUPPLYING AIR 2,000-CFM OR MORE TO ENCLOSED SPACES WITHIN BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF VIA SMOKE DETECTOR.
5. VERIFY ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWINGS PRIOR TO BID, MATERIAL PURCHASE, AND INSTALLATION.

C. DUCTWORK:

1. UNLESS OTHERWISE NOTED, DIMENSIONS FOR DUCTS, GRILLES, DAMPERS, ETC. ARE IN INCHES.
2. DUCTWORK DIMENSIONS ARE INSIDE FREE AREA.
3. CONTRACTOR'S OPTION TO USE EQUIVALENT SIZE ROUND OR RECTANGULAR DUCT BASED ON ROUND AND RECTANGULAR DUCT SIZES SHOWN ON THE DWGS.
4. MATERIAL EXPOSED WITHIN A DUCT OR PLENUM SHALL COMPLY WITH 2019 CALIFORNIA MECHANICAL CODE.
5. FOR EXACT LOCATIONS OF DIFFUSERS AND GRILLES, SEE ARCHITECTURAL DRAWINGS.
6. COORDINATE THE CORRECT TYPE OF CEILING DIFFUSER AND GRILLES MARGINS TO BE INSTALLED WITH CEILING SUSPENSION SYSTEM TO BE USED.
7. PROVIDE BUTTERFLY DAMPERS FOR ROUND DUCTS AND OPPOSED BLADE DAMPERS FOR RECTANGULAR DUCTS FOR ALL BRANCH TAKEOFFS.
8. MANUAL VOLUME DAMPERS SHALL BE PROVIDED FOR EACH AND EVERY AIR INLET AND OUTLET. LOCATE MANUAL VOLUME DAMPER AT BRANCH TAKE OFF FOR THE OUTLET, OR AS FAR FROM THE OUTLET AS POSSIBLE.
9. PROVIDE DOUBLE RADIUS TURNING VANES IN RECTANGULAR 90° DUCT ELBOWS.
10. PROVIDE SPLITTER VANES IN RECTANGULAR RADIUS 90° DUCT ELBOWS WITH RADIUS TO WIDTH RATIO OF ONE OR LESS.
11. CIRCULAR METAL DUCTWORK SHALL BE SPIRAL WITH PRE-FABRICATED FITTINGS.
12. DUCT INSULATION TO BE INSTALLED ON THE EXTERIOR OF THE DUCT WALL.

D. PIPING:

1. PROVIDE CONDENSATE DRAIN PIPING WITH DRAINAGE FITTINGS FOR COOLING COILS AND ROUTE TO THE NEAREST APPROVED RECEPTOR.

ABBREVIATIONS

SYMBOL	FLOW ARROW	ABBREV.	DESCRIPTION
		SA	SUPPLY AIR
		RA	RETURN AIR
	EXH	EXH	EXHAUST AIR
	OSA	OSA	OUTSIDE AIR
	REL	REL	RELIEF AIR

SYMBOL				ABBREV.	DESCRIPTION
DOUBLE		SINGLE			
RECT	RND	RECT	RND		
WxH	DØ	WxH	DØ		DUCTWORK (FIRST DIMENSION IN SIZE FACES THE VIEWER)
					DUCT RISE OR TURN TOWARD VIEWER
					DUCT DROP OR TURN AWAY FROM VIEWER

SYMBOL		ABBREV.	DESCRIPTION
DOUBLE	SINGLE		
			NEW FABRIC DUCT DIFFUSER
		(N)	NEW DUCT, PIPE, OR EQUIPMENT
WxH(L)	WxH(L)	(L)	ACOUSTICAL LINING, DUCT DIMENSION IS FOR NET FREE AREA. L=1", 2L=2" ETC.
			FLEXIBLE DUCT CONNECTION
			TRANSITION: RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND
			TRANSITION: RECTANGULAR TO ROUND
R	R		RISE IN DIRECTION OF AIRFLOW
D	D		DROP IN DIRECTION OF AIRFLOW
			MITERED ELBOW WITH TURNING VANES
			SMOOTH RADIUS ELBOW
			BRANCH DUCT PRESSURE TAP OR WYE BRANCH CONNECTION
			ROUND BRANCH DUCT CONICAL TAP
			FLEXIBLE DUCT TO CEILING DIFFUSER
BDD	BDD	BDD	BACKDRAFT DAMPER
FSD	FSD	FSD	COMBINATION FIRE/SMOKE DAMPER W/DUCT SMOKE DETECTOR
VD		VD	MANUAL VOLUME DAMPER
MD	MD	MD	MODULATING DAMPER
SD	SD	SD	DUCT MOUNTED SMOKE DETECTOR PROVIDED UNDER ELECTRICAL
H		H	DUCT MOUNTED HUMIDIFIER DISTRIBUTION TUBE OR HEADER
500	500		SIDE WALL GRILLE OF 500 CFM (FLOW ARROW INDICATES TYPE)
			CAPPED DUCTWORK

HVAC NOTATION LEGEND

SYMBOL	ABBREV.	DESCRIPTION
T	STAT	THERMOSTAT
T	TS	IN-DUCT TEMPERATURE SENSOR
H	HS	HUMIDITY SENSOR
H	STAT	IN-DUCT HUMIDITY SENSOR
S	SW	SWITCH
1		SHEET KEY NOTES DEMOLITION
1		SHEET KEY NOTES NEW WORK
ø	DIA	DIAMETER
3 / M6.1		DETAIL NUMBER; DETAIL SYMBOL; DRAWING NUMBER WHERE DETAIL IS SHOWN
AHU / 1		MECHANICAL EQUIPMENT ABBREVIATION; MECHANICAL EQUIPMENT SYMBOL; MECHANICAL EQUIPMENT NUMBER

LEGEND

ABBREV.	DESCRIPTION
A, AMPS	AMPERES
ABV	ABOVE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AHJ	AUTHORITY HAVING JURISDICTION
AMB	AMBIENT
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
BEL	BELOW
BFG	BELOW FINISHED GRADE
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CB	CIRCUIT BREAKER
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMP	COMPRESSOR
COND	CONDITION
CONDR	CONDENSER
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT
CV	CONSTANT VOLUME
dB	DECIBEL
DB	DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DEFL	DEFLECTION
DEMO	DEMOLITION
DL	DOOR LOUVER
DN	DOWN
DPSW	DIFFERENTIAL PRESSURE SWITCH
DS	DUCT SILENCER
DSW	DISCONNECT SWITCH
DWGS	DRAWINGS
EX, EXIST	EXISTING
EA	EACH
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
ELECT	ELECTRICAL
ELEV	ELEVATION
ENCL	ENCLOSURE
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
EVAP	EVAPORATOR, EVAPORATIVE
°F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT
FV	FACE VELOCITY
GAL	GALLON
GPM	GALLONS PER MINUTE
H	HEIGHT
HC	HEATING COIL
HP	HORSEPOWER
HR	HOUR
HTG	HEATING
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
IN	INCH
KW	KILOWATT
L	LENGTH
LBS	POUNDS
LD	LINEAR DIFFUSER
LRA	LOCKED ROTOR AMPERES

ABBREV.	DESCRIPTION
LVG	LEAVING
MA	MIXED AIR
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MFGR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPH	MILES PER HOUR
NC	NOISE CRITERIA
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
OPNG	OPENING
OP, OPER	OPERATING
OV	OUTLET VELOCITY
PERF	PERFORATED
PD	PRESSURE DROP
PH	PHASE
PR, PRESS	PRESSURE
PSI	POUND PER SQUARE INCH
QTY	QUANTITY
REFR	REFRIGERANT
RH	RELATIVE HUMIDITY
RLA	RATED LOAD AMPERES
RPM	REVOLUTIONS PER MINUTE
SC	SENSIBLE CAPACITY
SD	SMOKE DETECTOR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF, SQ FT	SQUARE FEET
SG	SUPPLY GRILLE
SHT	SHEET
SO	SCREENED OPENING
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATIONS
SS	STAINLESS STEEL
ST	STEAM TRAP
SW	SWITCH
T	TANK
TA	TRANSFER AIR
TC	TOTAL CAPACITY
TDH	TOTAL DYNAMIC HEAD
TE	TOP ELEVATION
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	UNDER CUT
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UON	UNLESS OTHERWISE NOTED
UTR	UP THRU ROOF
V	VOLTS
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W	WIDTH
W/	WITH
WB	WET BULB TEMPERATURE
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
W/O	WITHOUT
WP	WEATHER PROOF
WT	WEIGHT
WTR	WATER

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ENGINEERING
CITY OF LOS ANGELES

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INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEK
M-31154
Exp. 12/31/21
MECHANICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. C23665
DATE: 11/08/201

ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: MECHANICAL LEGEND, NOTES, AND ABBREVIATIONS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. M00-01

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DX FAN COIL UNIT SCHEDULE

SYMBOL	MANUFACTURER & MODEL NO.	SERVICE LOCATION	TYPE	SUPPLY (CFM)	E.S.P. (IN)	FILTERS			ELECTRICAL DATA					OPER. WEIGHT (LBS.)	REMARKS
						TYPE	QTY	SIZE (IN)	MCA	MOCP	VOLTS	PHASE	HERTZ		
FC 1, FC 2, FC 5, FC 6	MITSUBISHI PKA-A36KA7	ELEV MACHINE ROOM ELECTRICAL ROOM	DX	635	0.5	THROWAWAY	1	INCLUDED	1	–	208	1	60	46	W/CONDENSATE PUMP, TEMPERATURE CONTROLLER. PROVIDE PAC-UKPRC001-CN-1 AND CONNECT TO DDC CONTROL PANEL.
FC 3, FC 4, FC 7, FC 8	MITSUBISHI TPEFYP054MA143A	ELEVATOR HOISTWAY	DX	1,480	0.5	THROWAWAY	1	INCLUDED	2.2	–	208	1	60	100	W/CONDENSATE PUMP, TEMPERATURE CONTROLLER.

NOTE: FC-1, FC-2, FC-3 AND FC-4 ARE PART OF PHASE 1A.
THE REMAINING FAN COILS ARE PART OF PHASE 2.

AIR COOLED CONDENSING UNIT SCHEDULE

SYMBOL	MANUFACTURER & MODEL NO.	TYPE	SERVICE LOCATION	LOCATION AND DRAWING REFERENCE	COOLING CAPACITY (MBH)			REF. LIQUID (IN.)	REF. GAS (IN.)	ELECTRICAL DATA					OPER. WEIGHT LBS.	REMARKS
					SEER	TOTAL	SENSIBLE			MCA	MOCP	VOLTS	PHASE	HERTZ		
CU 1, CU 2, CU 5, CU 6	MITSUBISHI PUZ-A36NKA7	HEAT PUMP	FC-1,2,5 AND 6	WALL MOUNTED M221-P1A, M221-P2	18.8	33.6	25.0	3/8	5/8	25	30	208	1	60	215	W/LOW AMBIENT CONTROL. LOCK-OUT HEATING CAPABILITIES THE INDOOR UNIT IS POWERED BY THE OUTDOOR UNIT.
CU 3, CU 4, CU 7, CU 8	MITSUBISHI TUMYP0601AK43-NBA	VRF	FC-3,4,7 AND 8	DUCTED M221-P1A, M221-P2	17.8	60.0	54.0	3/8	3/4	36	45	208	1	60	215	W/LOW AMBIENT CONTROL. LOCK-OUT HEATING CAPABILITIES THE INDOOR UNIT IS POWERED BY THE OUTDOOR UNIT.

NOTE: CU-1, CU-2, CU-3 AND CU-4 ARE PART OF PHASE 1A.
THE REMAINING CONDENSING UNITS ARE PART OF PHASE 2.

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KEVIN S. CHEN
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Exp. 12/31/21
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STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **MECHANICAL SCHEDULES**

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23685
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

DATE: 11/08/201

WORK ORDER NO.

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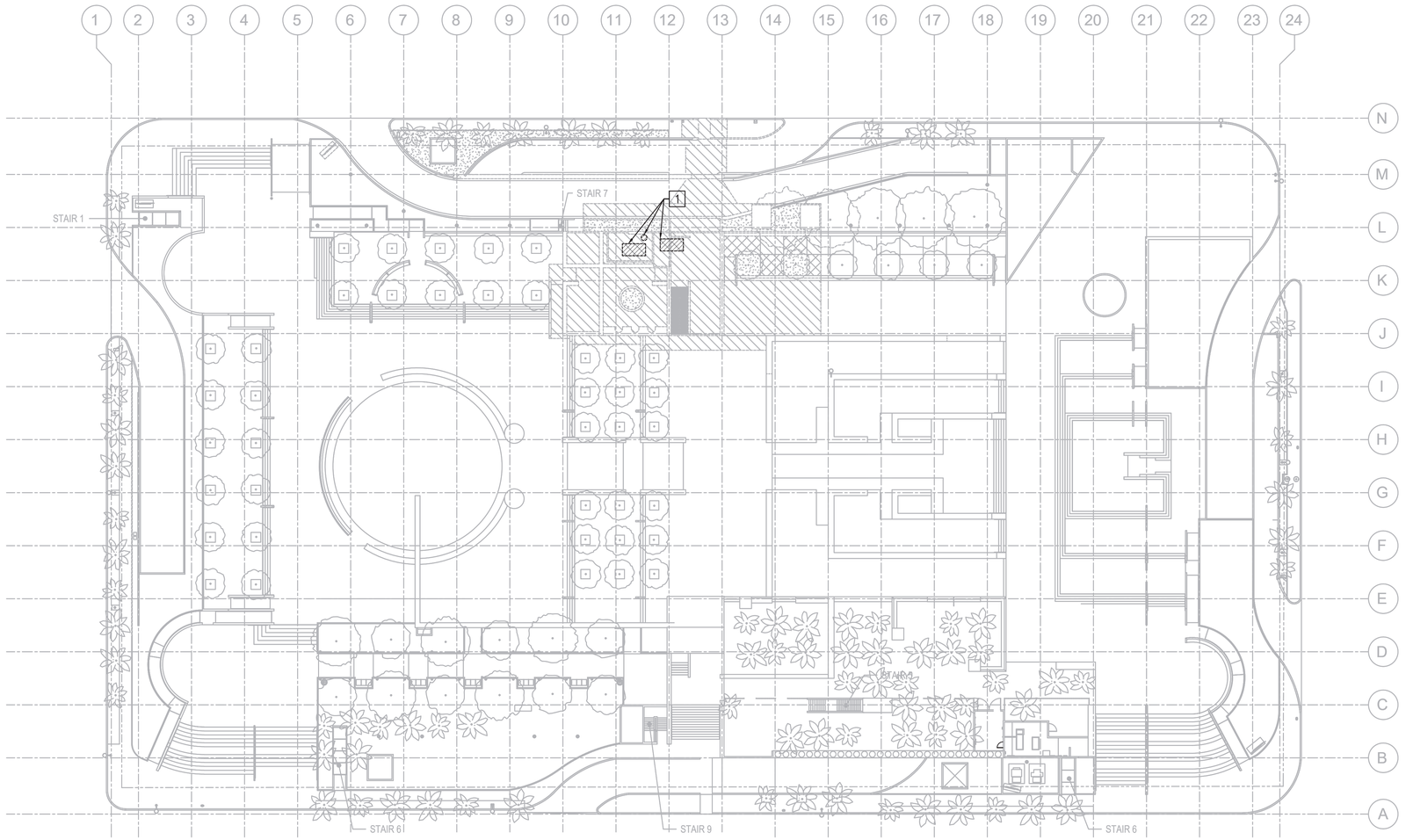

1 REMOVE AND DISPOSE EXISTING AC UNITS AND ALL RELATED DUCTWORK AND PIPING FROM PAVILION BUILDING.

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION LIC. NO. C23665

ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KOJAI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITEC 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **PARKING GROUND LEVEL - MECHANICAL DEMO PLAN**

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **M111-1A**

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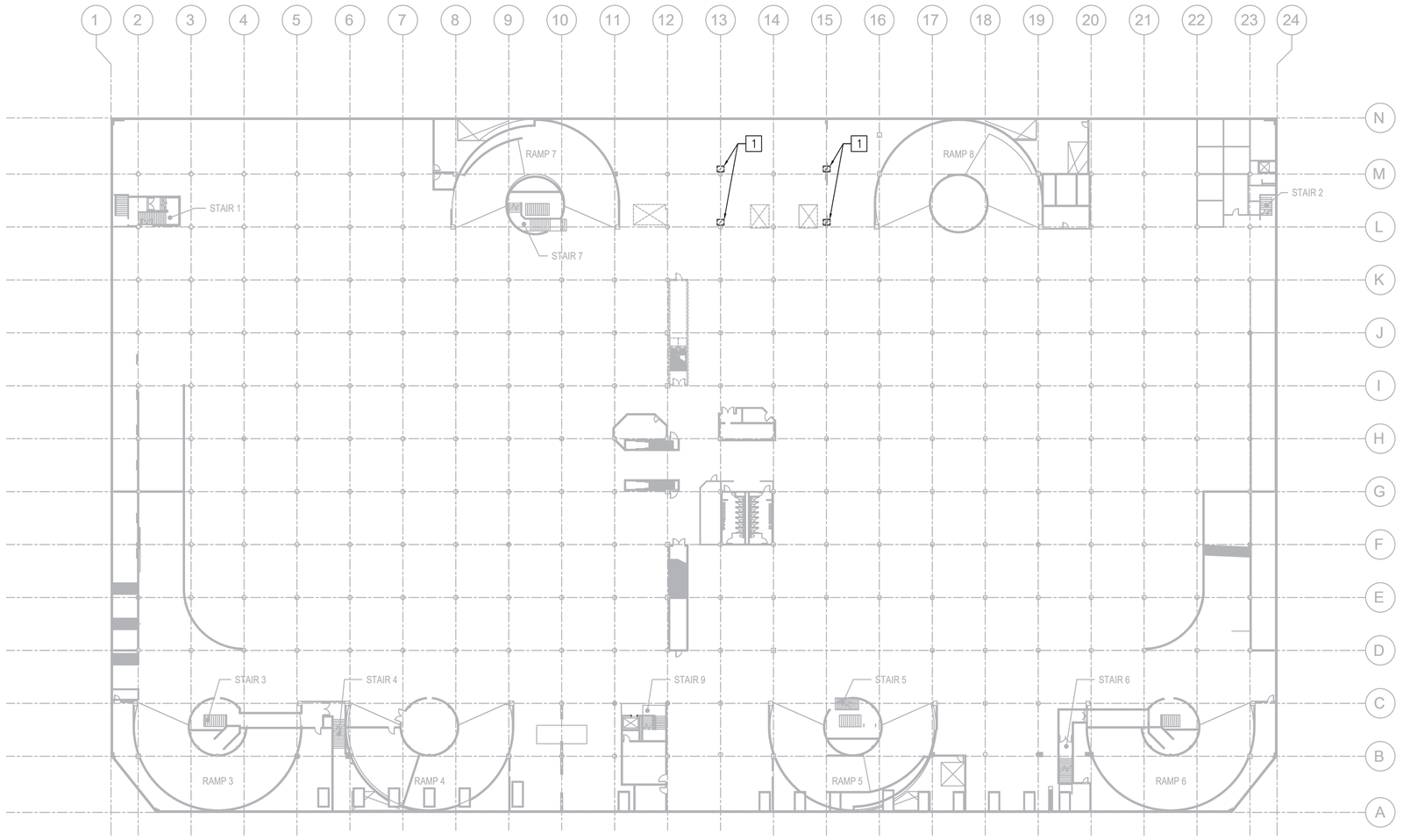

1 REMOVE, CAP AND SEAL EXISTING EXHAUST OPENING.

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REGISTERED PROFESSIONAL ENGINEER
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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION LIC. NO. C23665 DATE: 12/16/2021

ARCHITECT: DEBRA GEROD

DESIGNED BY: dHA+CALPEC

DRAWN BY: dHA+CALPEC

CHECKED BY: KC/AI

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT DATE: 11/08/2021

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL - 1 MECHANICAL DEMO PLAN**

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

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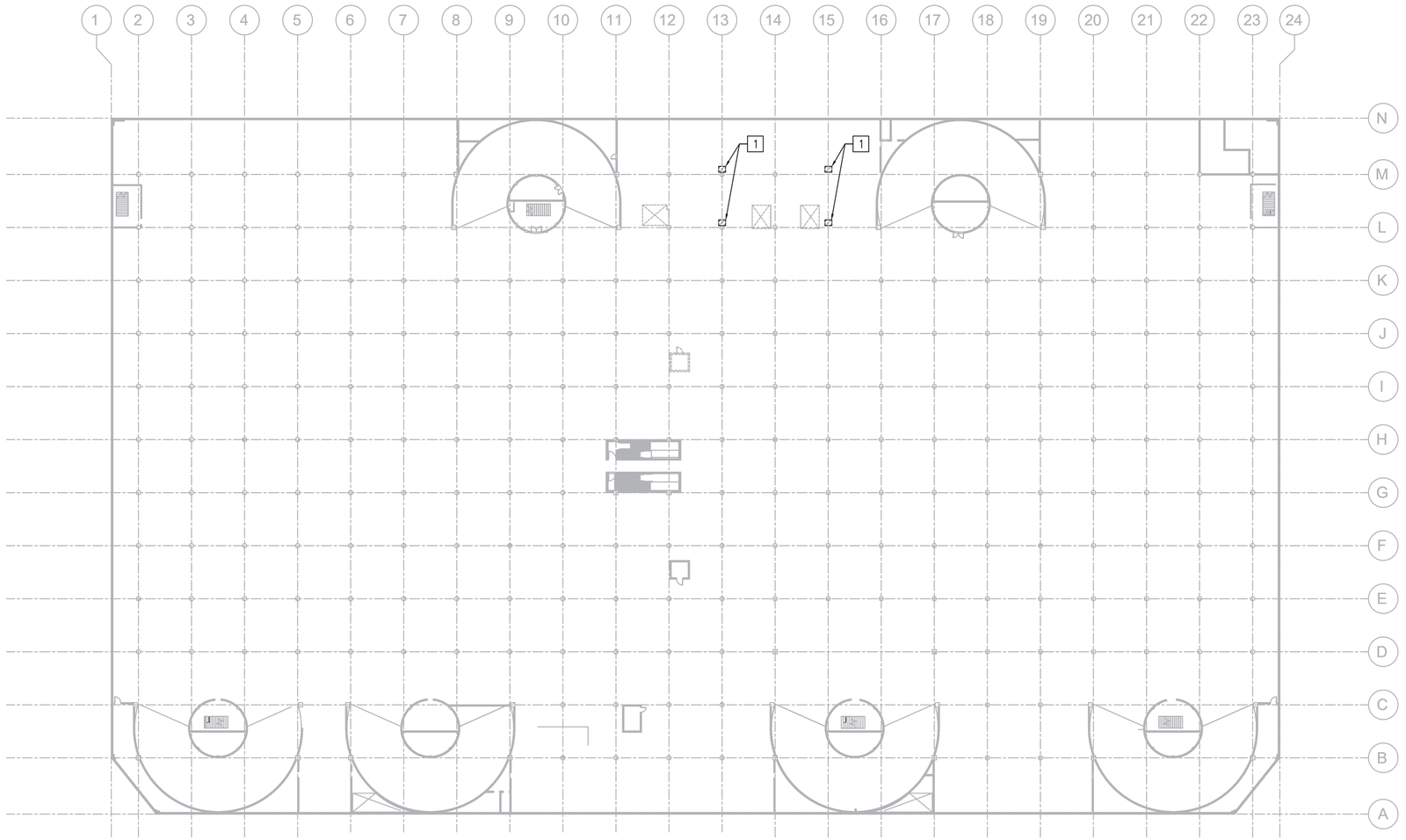

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INDEX NO. **MF-300492**

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEN
M-31154
Exp. 12/31/21
CIVIL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP	CITY ENGINEER
ARCHITECTURAL DIVISION	DATE: 12/16/2021
ARCHITECT: DEBRA GEROD	LIC. NO. C23665
DESIGNED BY: dHA+CALPEC	
DRAWN BY: dHA+CALPEC	
CHECKED BY: KOJAI	
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITEC	11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL - 2 MECHANICAL DEMO PLAN**

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

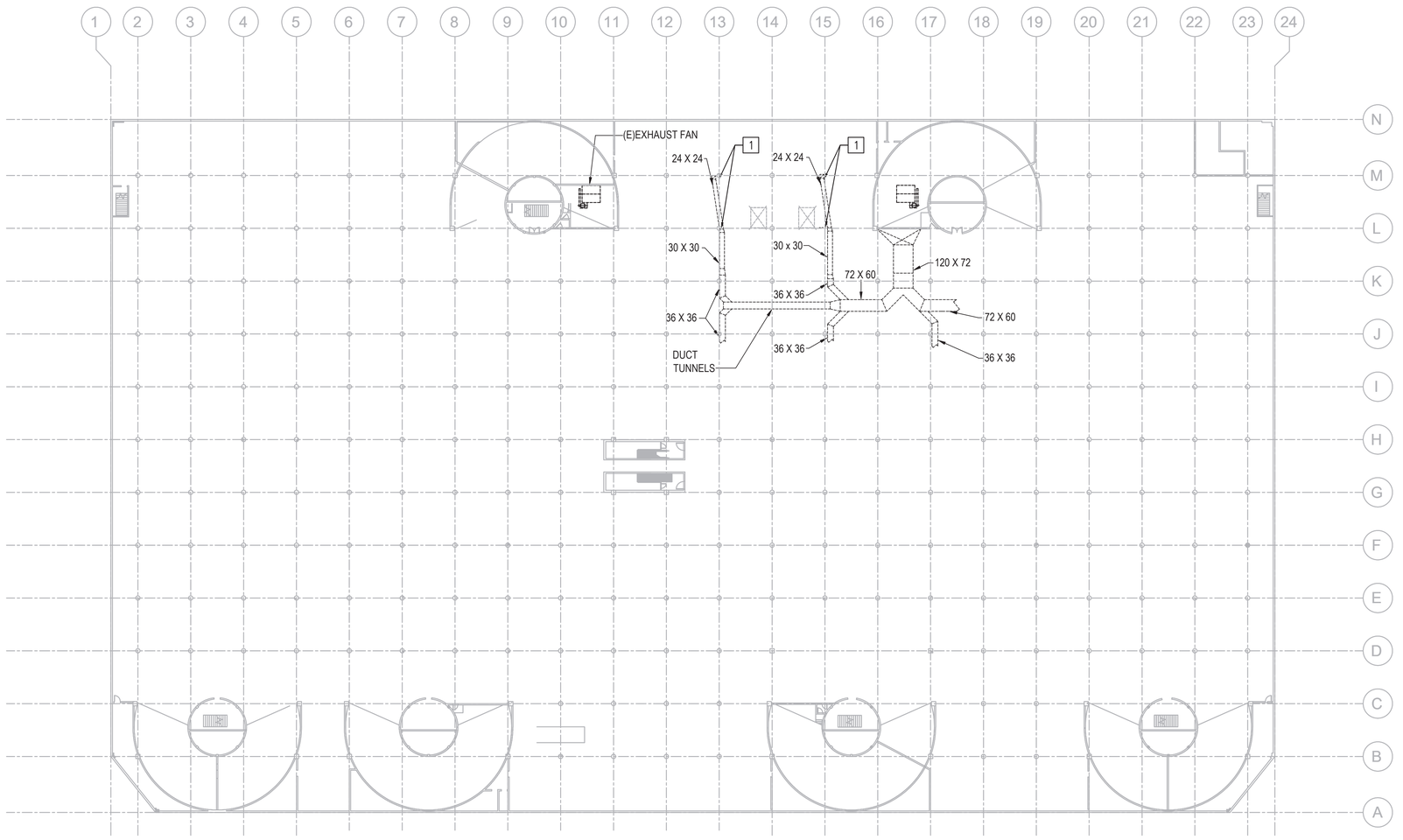
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
M131-1A

SHEET OF SHEETS

PLOTTED: 11/4/2021 11:24:00 AM



1 REMOVE, CAP AND SEAL EXISTING EXHAUST OPENING.

19763

dHA + CALPEC

150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

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REVISION DATES (DESIGN STAGE ONLY)

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ENGINEERING
CITY OF LOS ANGELES

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INDEX NO. **MF-300492**

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KEVIN S. CHEN
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Exp. 12/31/21
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STATE OF CALIFORNIA

CITY ENGINEER

GARY LEE MOORE, PE, ENV SP — DATE: 12/16/2021

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD — LIC. NO. C23665 — DATE: 12/16/2021

DESIGNED BY: dHA+CALPEC

DRAWN BY: dHA+CALPEC

CHECKED BY: KC/AI — DATE: 11/08/2021

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL - 3 MECHANICAL DEMO PLAN**

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

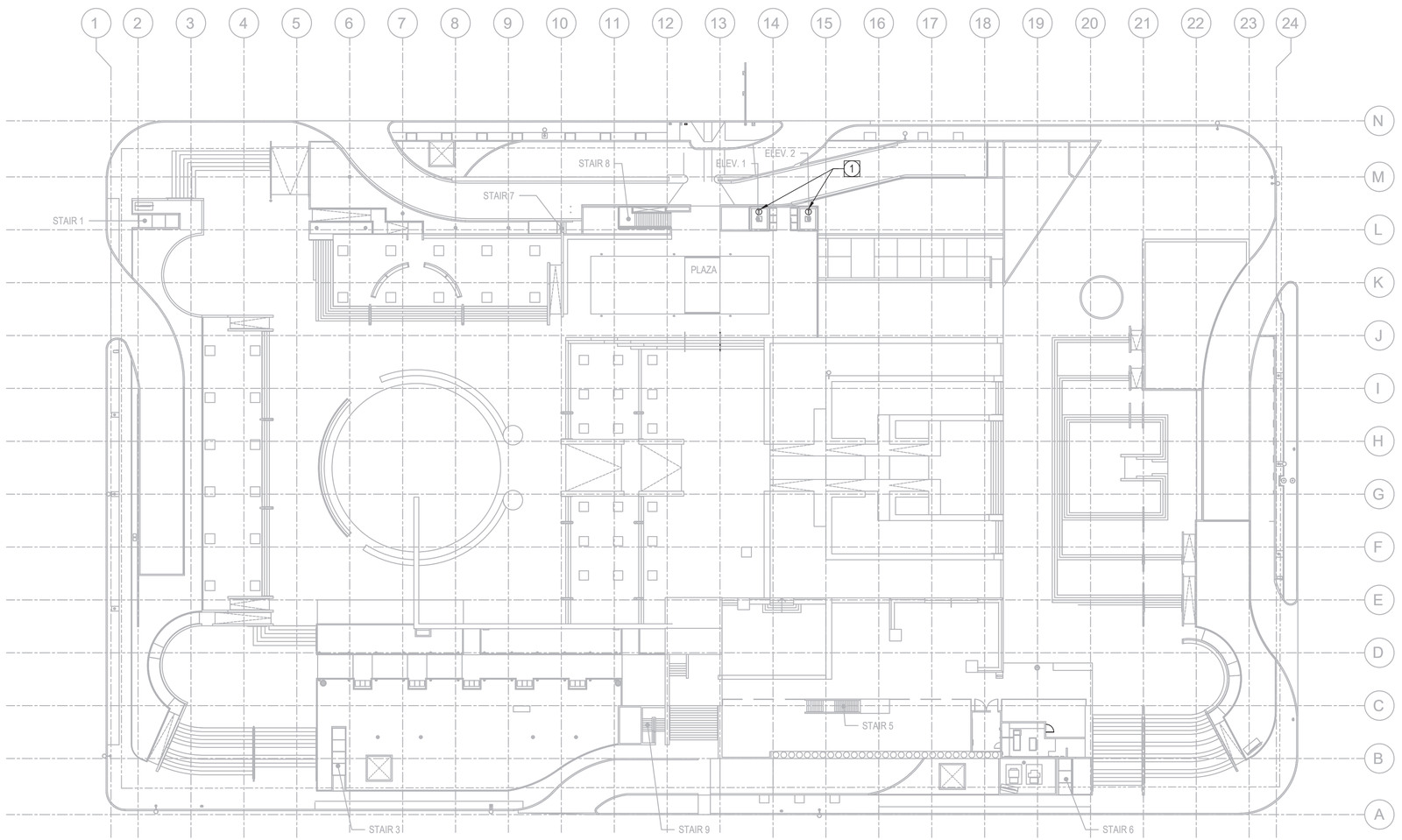
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **M141-1A**

SHEET OF SHEETS

PLOTTED: 11/4/2021 11:43:27 AM



1 MOUNT THERMOSTAT FOR FAN COIL AT THE TOP OF HOIST WAY.

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FAX: (626) 445-8081

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CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. **MF-300492**

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M-31154
Exp. 12/31/21
CIVIL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER — DATE: 12/16/2021
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD — LIC. NO. C23665 — DATE: 11/08/201
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **GROUND LEVEL - MECHANICAL PLAN**

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

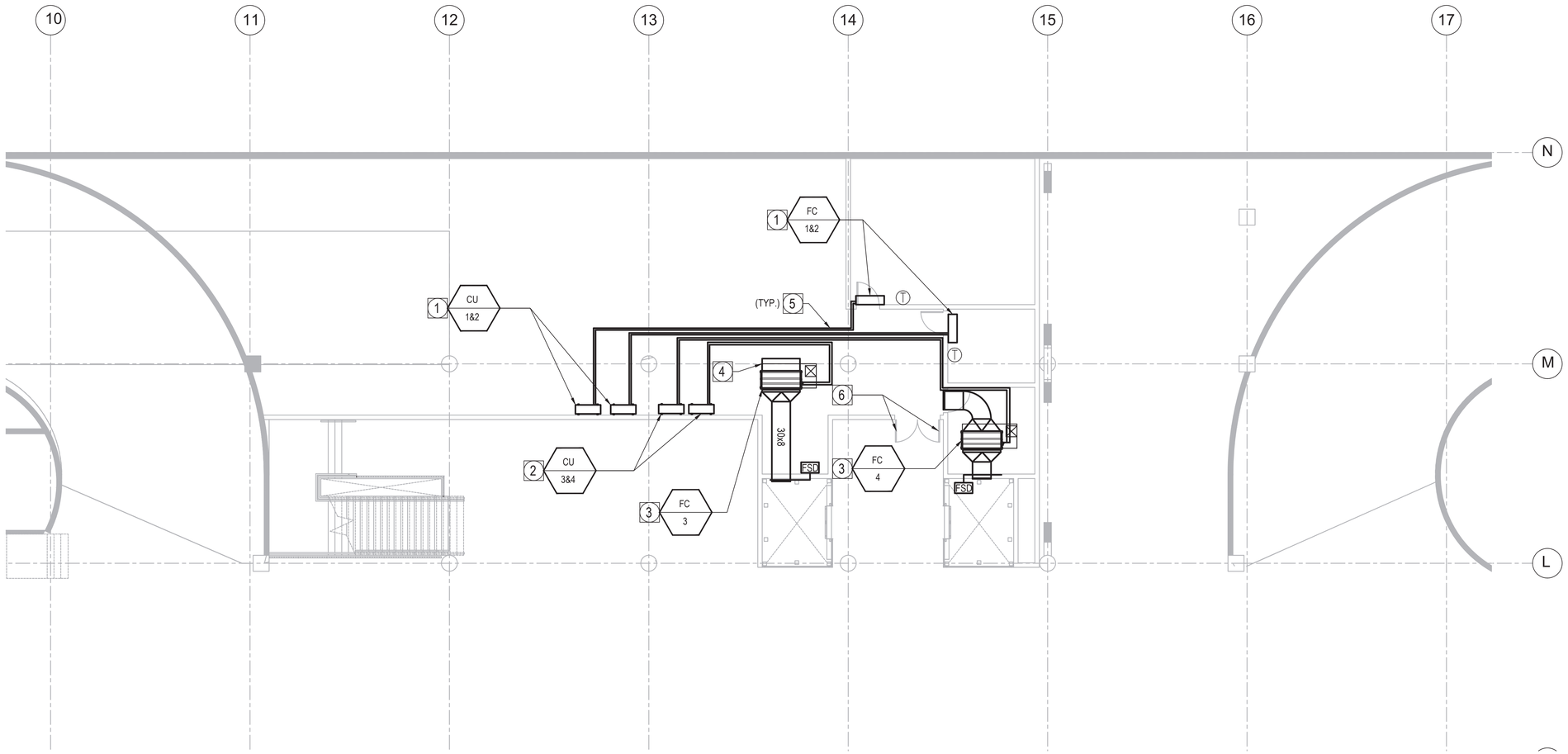
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **M211-1A**

SHEET OF SHEETS

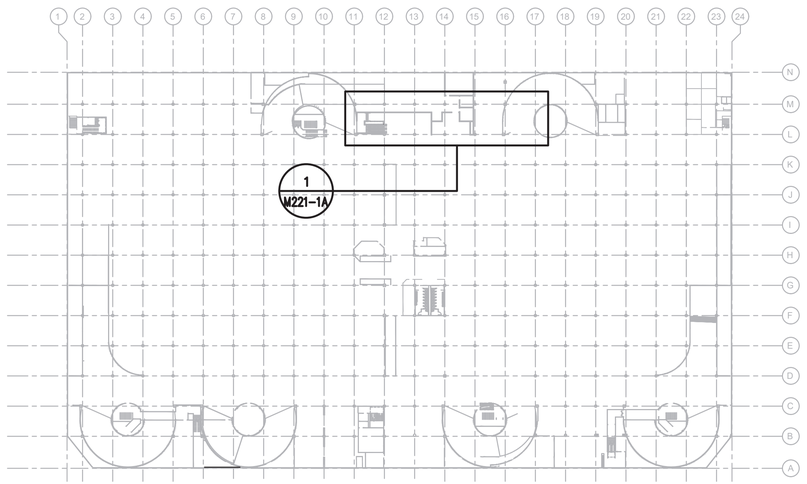
PLOTTED: 11/4/2021 11:39:32 AM



1 PH1A - LEVEL 1 (OLIVE STREET)

1/8" = 1'-0"

1. PROVIDE HIGH WALL FAN COIL UNIT WITH CONDENSATE PUMP. ROUTE CONDENSATE TO THE NEAREST APPROVED RECEPTOR.
2. PROVIDE CONDENSING UNIT MOUNTED ON 6" CONCRETE PAD.
3. PROVIDE DUCTED FAN COIL HIGH AGAINST THE CONCRETE DECK. DUCT INTO ELEVATOR SHAFT AND TERMINATE WITH FSD.
4. RETURN AIR PLENUM WITH 12X30 OPENING. FINISH WITH 1/4" MESH SCREEN.
5. ROUTE REFRIGERANT PIPING HIGH AGAINST THE DECK TO ITS RESPECTIVE CONDENSING UNIT.
6. PROVIDE DOOR LOUVER 24X10 LOUVER ON EACH DOOR.



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FAX: (626) 445-8081

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INDEX NO. **MF-300492**

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEN
M-31154
Exp. 12/31/21
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23365
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL 1 - MECHANICAL PLAN**

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **M221-1A**

SHEET OF SHEETS

PLOTTED: 11/4/2021 11:23:59 AM

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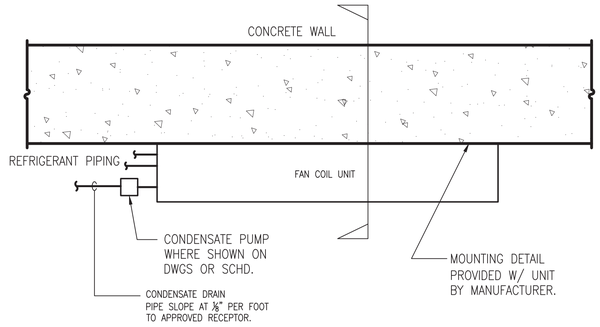
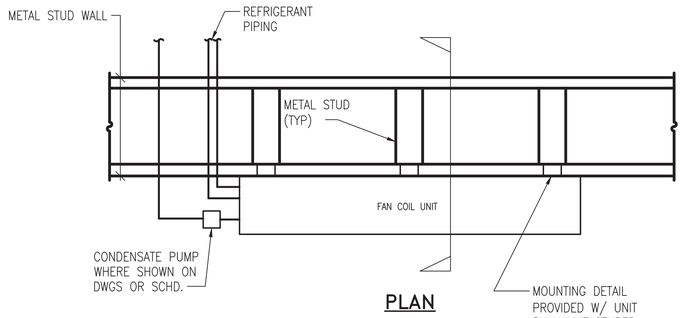


PLAN



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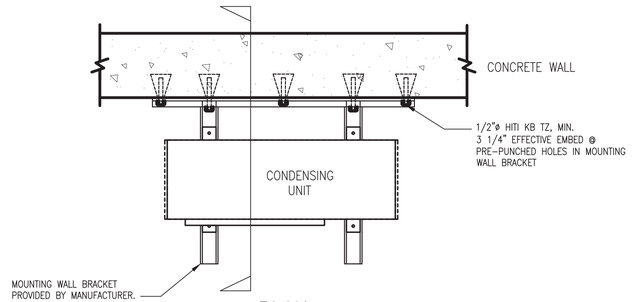
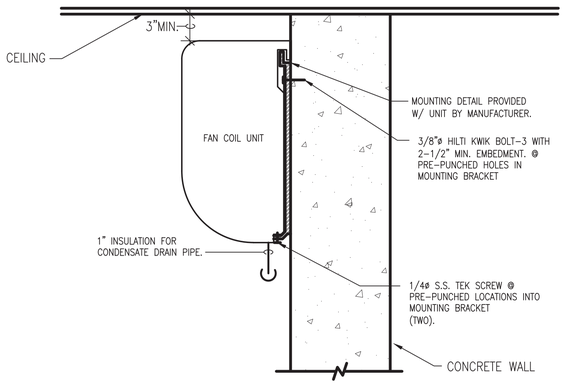
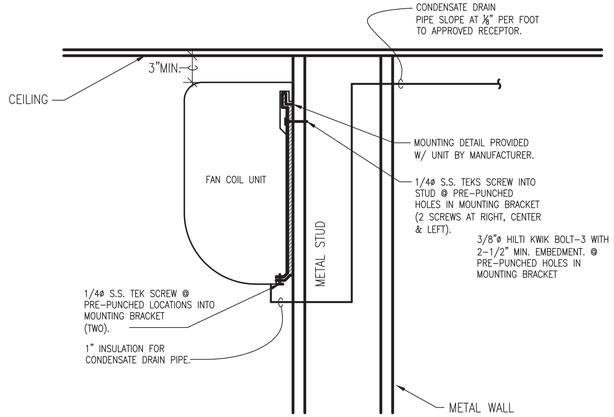


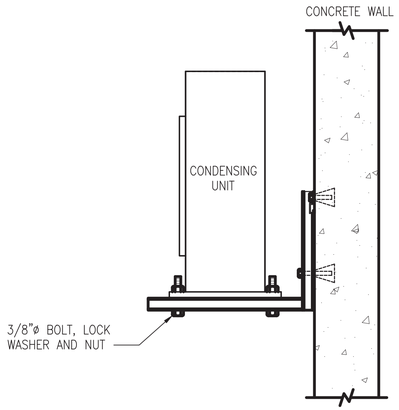
PLAN



SECTION



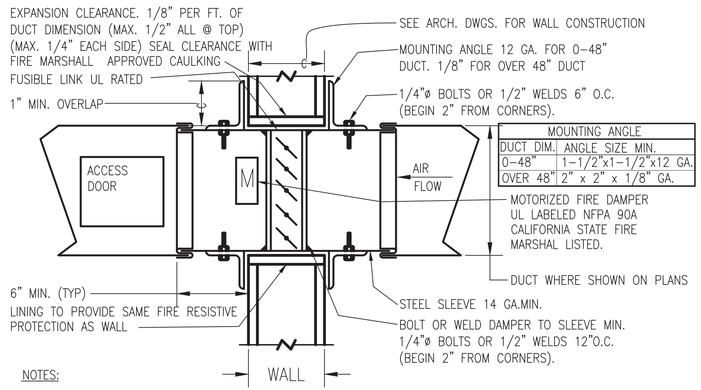
SECTION



SECTION

WALL MOUNTED FC INSTALLATION — N.T.S. 4

CU MOUNTING DETAIL — N.T.S. 2

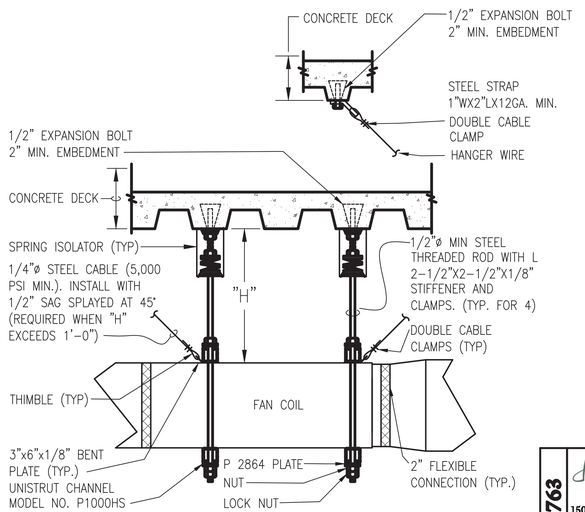


MOUNTING ANGLE	
DUCT DIM.	ANGLE SIZE MIN.
0-48"	1-1/2"x1-1/2"x12 GA.
OVER 48"	2" x 2" x 1/8" GA.

NOTES:

1. COMBINATION FIRE AND SMOKE DAMPER "POTTORFF" MODEL FSD-142.
2. DAMPER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
3. ACCORDING TO CBC 713.10, CFSD SHALL BE CLASS II MIN TEMP 250°F

COMBINATION FIRE DAMPER MOUNTING DETAIL — N.T.S. 3



DUCTED FAN COIL MOUNTING DETAIL — N.T.S. 1

19763
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PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

BUREAU OF ENGINEERING
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NO.	REVISIONS	DATE	BY

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHUK
M-31154
Exp. 12/31/21
MECHANICAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE:
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: MECHANICAL DETAILS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. M30-01
SHEET OF SHEETS

PLOTTED: 11/4/2021 11:23:58 AM

REVISION DATE:
DIVISION DATES (DESIGN STAGE ONLY)

PIPING MATERIAL SPECIFICATIONS

A. 2 TO 4 INCH SEWER, WASTE AND VENT PIPING ABOVE GROUND: HUBLESS CAST IRON SOIL PIPE, HUBLESS CAST IRON SOIL PIPE FITTINGS, CISPI-TYPE COUPLINGS FOR HUBLESS CAST IRON SOIL PIPE AND FITTINGS AND HUBLESS JOINTS.

NOTE: IN PARKING STRUCTURE EXPOSED PIPING SHALL BE HUBLESS CAST IRON SOIL PIPE, HUB LESS CAST IRON SOIL PIPE FITTINGS , CISPI-TYPE COUPLINGS FOR CAST IRON SOIL PIPE AND FITTINGS AND HUBLESS JOINTS.

B. WATER DISTRIBUTION PIPING ABOVE GRADE OR SLAB. (COMPLY WITH CPC 609.3.2)

1. 4 TO 6 INCH: HARD COPPER TUBE TYPE L; WROT COPPER AND BRONZE GROOVED END COPPER TUBE AND GROOVED END COPPER FITTINGS AND GROOVED COPPER TUBE AND GROOVED TUBE FITTINGS JOINTS.
2. HOT WATER, HOT WATER RETURN AND TEMPERED WATER SHALL BE INSULATED AS REQUIRED. ALL CONDENSATE AND INDIRECT DRAIN PIPING WHEN LOCATED ABOVE CEILING SHALL BE INSULATED.
3. 3 INCH AND SMALLER: HARD COPPER TUBE TYPE L; WROT COPPER OR CAST COPPER ALLOY PRESSURE FITTINGS; COPPER UNIONS; BRONZE FLANGES; AND SOLDER JOINTS WITH ALLOY NO LEAD CITY OF LA APPROVED.

CAL GREEN NOTES

1. ALL NEW EQUIPMENT SHALL MEET THE MINIMUM ENERGY STANDARD EFFICIENCIES LISTED ON THE 2016 CALIFORNIA ENERGY CODE.
2. WATER CLOSETS. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER LUSH.
3. URINALS. WALL MOUNTED URINALS EFFECTIVE FLUSH VOLUME SHALL NOT EXCEED 0.125 GALLONS PER FLUSH.
4. SHOWERHEADS. SINGLE SHOWER HEAD SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 2.0 GALLONS PER MINUTE AT 80 PSI. SHOWERHEAD SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATER-SENSE SPECIFICATION FOR SHOWERHEADS.
5. NONRESIDENTIAL LAVATORY FAUCETS. LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.
6. KITCHEN FAUCETS. KITCHEN FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.
7. METERING FAUCETS SHALL NOT DELIVER MORE THAN 0.20 GALLONS PER CYCLE.

PLUMBING FIXTURES AND FITTING SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCE IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE AND IN CHAPTER 6 OF THE 2019 GREEN BUILDING STANDARDS CODE.

GENERAL NOTES

A. GENERAL:

1. SCOPE OF THE PROJECT INCLUDES WORK SHOWN ON THE DRAWINGS AND IN THE SPECIFICATIONS.
2. DRAWINGS AND SPECIFICATION REQUIREMENTS DO NOT APPLY TO EXISTING TO REMAIN ITEMS, UNLESS OTHERWISE NOTED.
3. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
4. THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY OF COORDINATION WITH VARIOUS TRADES AND INCLUDE TURNS, BENDS, ADDITIONAL LENGTHS OF PIPING AND ELEVATION CHANGES, AND TRANSITIONS WITHOUT ADDITIONAL COST TO THE OWNER.
5. PROTECT MATERIALS INCLUDING PIPES FROM DUST AND DEBRIS AND KEEP OPEN END OF PIPES COVERED UNTIL READY FOR INSTALLATION OF NEXT SEGMENT OF WORK.
6. WORK AND EXISTING CONDITIOINS DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED, PAINTED AND FINISHED TO MATCH ADJACENT SURFACES IN TEXTURE, COLOR, AND FINISH.
7. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER TO THE OWNER AND ARCHITECT COMPLETE AS-BUILT DRAWINGS SHOWING WORK AS ACTUALLY INSTALLED.
8. PLUMBING EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2019 CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ENERGY CODE, CALIFORNIA PLUMBING CODE AND CALIFORNIA FIRE CODE.
9. INSULATION OF DOMESTIC HOT WATER PIPING SHALL COMPLY WITH THE REQUIREMENTS OF CALIFORNIA ENERGY CODE AND PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. SEE CPC SECTIONS 609.11.1 AND 609.11.2.
10. VENTS SHALL BE A MINIMUM OF 10'-0" AWAY FROM OR 3'-0" ABOVE ANY OUTSIDE AIR INTAKES.
11. PIPE PENETRATIONS, ROOF JACKS AND EQUIPMENT SUPPORT PADS SHALL BE COMPATIBLE WITH ROOFING SYSTEM. FLASH AND COUNTERFLASH WEATHER EXPOSED ROOF OPENINGS. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FLASHING DETAILS.
12. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS SHALL BE DONE ONLY WHEN SO DETAILED ON THE STRUCTURAL DRAWINGS. COORDINATE EXACT LOCATION OF CORE DRILLING, CUTTING OF FLOOR SLAB, OR WALLS OF THE BUILDING WITH THE STRUCTURAL DRAWINGS. DO NOT CUT OR DRILL HOLES IN ANY STRUCTURAL ELEMENT WITHOUT APPROVAL OF THE ARCHITECT.
13. CONDITIONS THAT, IN THE CONTRACTOR'S OPINION, PREVENT THE EXECUTION OF THE WORK AS INTENDED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN THE FORM OF AN RFI BEFORE BEGINNING THE WORK IN QUESTION.
14. WORK PERFORMED UNDER THIS CONTRACT IS SUBJECT TO INSPECTION BY THE BUILDING OWNER, ARCHITECT, AND ENGINEER FOR CONFORMITY WITH EXISTING BUILDING SYSTEMS, QUALITY OF PRODUCTS AND INSTALLATION. CONTRACTOR SHALL NOT PERFORM WORK THAT MAY ADVERSELY AFFECT THE EXISTING BUILDING SYSTEMS OPERATION, EITHER DUE TO IMPROPER INSTALLATION, INADEQUATE COORDINATION OR POOR WORKMANSHIP. WORK INSPECTED AND FOUND UNACCEPTABLE BY THE OWNER, ARCHITECT SHALL BE PROMPTLY REPLACED OR CORRECTED AT NO ADDITIONAL COST.
15. FIELD OBSERVATION AND SUPPORT SERVICES PERFORMED BY THE ENGINEER PRIOR TO, DURING, OR AFTER CONSTRUCTION ARE FOR THE PURPOSE OF ACHIEVING QUALITY CONTROL AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
16. PROVIDE ACCESS DOORS/PANELS REQUIRED FOR SERVICING LISTED ITEMS SUCH AS VALVES, PIPE CLEANOUTS AND DEVICES REQUIRING ACCESS WHETHER OR NOT SUCH ACCESS IS SHOWN ON DRAWINGS. COORDINATE EXACT LOCATION OF CEILING, WALL, OR FLOOR ACCESS PANELS WITH ARCHITECTURAL DRAWINGS. ACCESS PANELS FOR VALVES AND PIPE CLEANOUTS ABOVE CEILINGS SHALL BE A MINIMUM OF 18-INCH BY 18-INCH.
17. PLUMBING FIXTURES OR FITTINGS INTENDED TO DISPENSE WATER FOR HUMAN CONSUMPTION WHICH CONTAIN MORE THAN 25% LEAD ARE NOT PERMITTED TO BE SOLD OR INSTALLED ANYWHERE WITHIN THE STAT OF CALIFORNIA. THESE DEVICES SHALL BE LISTED TO ANNEX G OF NSF/ANSI 61-2008 OR OTHER APPROVED TESTING STANDARD. EVIDENCE OF COMPLIANCE SHALL BE PRESENTED TO THE BUILDING INSPECTOR PRIOR TO FINAL INSPECTION (AB1953).
18. SHUTDOWN OF UTILITIES REQUIRED TO PERFORM WORK SHALL BE COORDINATED WITH THE OWNER.
19. ALL HOSE BIBBS AND FAUCETS CONNECTED TO NON-POTABLE WATER LINES SHALL BE POSTED WITH SIGN THAT READ "CAUTION: NON-POTABLE WATER, DO NOT DRINK".
20. PRIOR TO ANY INTERRUPTION (PLANNED OR NOT PLANNED) OF WATER SERVICES CONTRACTOR SHALL DETERMINE ANY NON PROPERLY FUNCTIONING FIXTURES, EQUIPMENT, VALVE, AND RELATED ACCESSORIES ON THE PARTICULAR BRANCH SYSTEM AND RETURN SYSTEM TO ITS ORIGINAL PRE-INTERRUPTION FICTIONAL CONDITIONS EXCEPT FOR THE DOCUMENTED (AS PER OAR) NON-FUNCTIONING FIXTURES, EQUIPMENT, VALVES AND ACCESSORIES AT NO ADDITIONAL CHARGES TO THE DISTRICT.
21. ANY MODIFICATIONS TO THE DOMESTIC WATER SYSTEM REQUIRES DISINFECTION AND CERTIFICATION BY AN APPROVED TESTING LABORATORY PRIOR TO USE ACCORDING TO CPC SEC. 609.9 (1-3). CONTRACTOR SHALL PROVIDE A SIGNED WRITTEN DECLARATION TO THE INSPECTOR AT TIME OF INSPECTION.

B. EQUIPMENT AND FIXTURES:

22. MANUFACTURERS AND MODEL NUMBERS SHOWN ON EQUIPMENT AND FIXTURES SCHEDULES HAVE BEEN UTILIZED FOR DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS AND/OR EQUIVALENTS.
23. A MAINTENANCE LABEL SHALL BE AFFIXED TO PLUMBING EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
24. INSTALL EQUIPMENT IN ACCESSIBLE LOCATION AND PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REQUIRING REMOVAL OF MECHANICAL, ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS.
25. FOR EQUIPMENT LOCATED ABOVE CEILING, INSTALL SUCH EQUIPMENT CLOSE ENOUGH TO THE CEILING ELEVATION TO FACILITATE READY ACCESS FOR MAINTENANCE AND SERVICING.
26. VERIFY ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWINGS PRIOR TO BID, MATERIAL PURCHASE, AND INSTALLATION.
27. DRINKING FOUNTAINS SHALL BE INSTALLED AND REGULATED THAT A JET OF WATER EXTENDING AT LEAST 4" FROM THE WATER ORIFICE SHALL BE CONSTANTLY AVAILABLE. THE ORIFICE SHALL BE LOCATED 5" MAXIMUM FROM THE FRONT OF THE UNIT AND NOT BE ACCESSIBLE TO THE MOUTH OF THE DRINKER NOR SUBJECT TO IMMERSION.

C. PIPING:

1. PIPING PENETRATING SLAB TO SLAB PARTITIONS SHALL BE SEALED AIRTIGHT. A RESILIENT CAULKING AND PACKING SHALL BE USED. SEAL ALL OPENINGS AROUND PIPING PENETRATING FIRE RESISTIVE RATED WALLS AND FLOORS TO MAINTAIN RATING INTEGRITY.
2. PIPING SHALL BE TESTED PER REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
3. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
4. LOCATE VALVES IN EASILY ACCESSIBLE LOCATIONS.
5. PROVIDE ISOLATING VALVES AND UNIONS ON PIPING ADJACENT TO EQUIPMENT. LOCATE VALVES SO THE EQUIPMENT CAN BE REMOVED WITHOUT DISMANTLING BRANCH LINES.
6. CIRCUIT SETTERS AND BALANCING VALVES FOR HOT WATER RETURN SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDED UPSTREAM AND DOWNSTREAM STRAIGHT PIPE LENGTHS.
7. REFER TO MECHANICAL DRAWINGS FOR CONDENSATE DRAIN PIPING.
8. CLEANOUTS SHALL BE PROVIDED ON WASTE PIPING AS REQUIRED BY 2019 CALIFORNIA PLUMBING CODE AND WHERE INDICATED ON THE DRAWINGS. PROVIDE CLEARANCE IN FRONT OF CLEANOUTS AS REQUIRED BY CODE. CPC SEC. 707.0 & 709.0.
9. BURRED ENDS OF PIPING AND TUBING SHALL BE REAMED TO THE FULL BORE OF THE PIPE OR TUBE AND CHIPS SHALL BE REMOVED PER CALIFORNIA PLUMBING CODE. ADDITIONALLY, TOOLS USED IN CUTTING OR REAMING SHALL BE KEPT FREE FROM OIL OR GREASE. WHERE SUCH CONTAMINATION HAS OCCURRED, THE AFFECTED SHALL BE REWORKED AND RINSED PER NFPA 56-F-5.1-1.
10. PIPING BELOW GRADE SHALL BE INSTALLED WITH NOT LESS THAN 24-INCH BETWEEN TOP OF PIPE AND FINISHED GRADE.
11. WASTE AND VENT PIPING SHALL BE INSTALLED AT 1/4-INCH PER FOOT (2%) SLOPE UNLESS OTHERWISE NOTED.
12. CONNECTIONS BETWEEN PIPING OF DISSIMILAR METALS SHALL BE MADE WITH BRASS UNIONS OR BRASS FLANGED FITTINGS.
13. LOCATION OF WATER HAMMER ARRESTORS IS INDICATED ON THE FLOOR PLANS. LISTED MECHANICAL WATER HAMMER ARRESTERS SHALL BE INSTALLED CLOSE AS POSSIBLE TO QUICK-ACTING VALVES. LOCATION AND METHOD OF INSTALLATION SHALL COMPLY WITH MANUFACTURER'S SPECIFICATIONS.
14. ALL PIPING UNDER ACCESSIBLE LAVATORIES AND SINKS INSULATING KIT COMPLIES WITH ASME A112.18.9. CPC SEC. 403.3.
15. CLOTHES WASHERS IN GROUPS OF THREE OR MORE SHALL BE RATED AT SIX (6) FIXTURES UNITS EACH FOR THE PURPOSE OF COMMON WASTE PIPE SIZING. CPC SEC. 702.1.
16. CONDENSATE DRAINS SHALL NOT BE DIRECTLY CONNECTED TO THE SEWER. CONDENSATE DRAINS SHALL DRAIN INTO THE DRAINAGE SYSTEM BY MEANS OF AN INDIRECT WASTE PIPE 0R RECEPTOR. CPC SEC. 814.1. SEE MECHANICAL DRAWINGS FOR CONDENSATE DRAINAGE SYSTEM.
17. THE TEMPERATURE AND PRESSURE RELIEF VALVE LOCATED ON THE STORAGE WATER HEATER SHALL BE INSTALLED PER THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTION.

PLUMBING PIPE TYPE LEGEND

SYMBOL	FLUID ABBREV.	DESCRIPTION
	S OR W	SOIL OR WASTE PIPING
	S OR W	SOIL OR WASTE PIPING BELOW FLOOR OR GRADE
FM	FM	FORCED MAIN WASTE PIPING
	V	VENT PIPING
	CW	POTABLE COLD PIPING
CWBF	CWBF	POTABLE COLD WATER PIPING BELOW FLOOR OR GRADE
	HW	POTABLE HOT WATER PIPING (ABOVE 110°F)
HWBF	HWBF	POTABLE HOT WATER PIPING BELOW FLOOR OR GRADE
	HWR	POTABLE HOT WATER RETURN PIPING
HWR	HWR	POTABLE HOT WATER RETURN PIPING BELOW FLOOR OR GRADE
TP	TP	TRAP PRIMER WATER SUPPLY PIPING BELOW FLOOR OR GRADE
TW	TW	POTABLE TEMPERED WATER (85°F TO 110°F)
(E)S OR (E)W	(E)S OR (E)W	EXISTING SOIL OR WASTE PIPING
(E)V	(E)V	EXISTING VENT PIPING
(E)CW	(E)CW	EXISTING POTABLE COLD WATER PIPING
(E)HW	(E)HW	EXISTING POTABLE HOT WATER PIPING
(E)HWR	(E)CW	EXISTING POTABLE HOT WATER RETURN PIPING

PLUMBING ABBREVIATIONS

ABBREV.	DESCRIPTION
A, AMPS	AMPERES
ABV	ABOVE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	AUTOMATIC FIRE SPRINKLER
AP	ACCESS PANEL
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
AV	ANGLE VALVE
BEH	BEHIND
BEL	BELOW
BFG	BELOW FINISHED GRADE
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
C.C.	CENTER TO CENTER
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CLG	CEILING
COMP	COMPRESSOR
CONC	CONCRETE
CONN	CONNECTION
CP	CIRCULATING PUMP
CTR	COUNTER
CV	CHECK VALVE
D	DRAIN
DI	DEIONIZED WATER
DEMO	DEMOLITION
DN	DOWN
DWGS	DRAWINGS
EX, EXIST	EXISTING
EA	EACH
ESEW	EMERGENCY SHOWER AND EYEWASH
EWC	ELECTRIC WATER COOLING
ELECT	ELECTRICAL
ELEV	ELEVATION
ENCL	ENCLOSURE
°F	DEGREES FAHRENHEIT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FR	FROM
FS	FLOOR SINK
FT	FOOT
FUT	FUTURE
FV	FLUSH VALVE
GAL	GALLON
GC	GAS COCK
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GT	GAS TURRET
H	HEIGHT
HB	HOSE BIBB
HDR	HEADER
HP	HORSEPOWER
HR	HOUR
HZ	HERTZ
IN	INCH
I.E.	INVERT ELEVATION
KW	KILOWATT
L	LENGTH
LAV	LAVATORY
LBS	POUNDS

ABBREV.	DESCRIPTION
LO2	LIQUID OXYGEN
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MFGR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NO.	NUMBER
OC	ON CENTER
OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
OPNG	OPENING
OP, OPER	OPERATING
PD	PRESSURE DROP
PH	PHASE
PIV	POST INDICATOR VALVE
PR, PRESS	PRESSURE
PSI	POUND PER SQUARE INCH
QTY	QUANTITY
RPM	REVOLUTIONS PER MINUTE
SH	SHOWER
SHD	SHOWER DRAIN
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF, SQ FT	SQUARE FEET
SK	SINK
SKT	SINK TRIM
SOV	SHUT-OFF VALVE
SP	SUMP PUMP
SPEC(S)	SPECIFICATIONS
SS	SERVICE SINK
SW	SWITCH
T	TRANSFORMER
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORY
UON	UNLESS OTHERWISE NOTED
UOS	UNDER OTHER SECTION OF SPECIFICATIONS
UR	URINAL
UTR	UP THRU ROOF
V	VOLTS
VB	VACUUM BREAKER
VO	VENT OFFSET
VR	VENT RISER
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W	WIDTH
W/	WITH
WC	WATER CLOSET
WCS	SECURITY WATER GAUGE
WH	WATER HEATER
WHA/AP	WATER HAMMER ARRESTOR BEHIND ACCESS PANEL
W/O	WITHOUT
WP	WEATHER PROOF
WT	WEIGHT
WTR	WATER
YB	YARD BOX

DRAWING LIST

P00-01	PLUMBING LEGEND NOTES AND ABBREVIATIONS
P111-P1A	GROUND LEVEL PLUMBING DEMO PLAN
P121-P1A	PARKING LEVEL 1 PLUMBING DEMO PLAN
P131-P1A	PARKING LEVEL 2 PLUMBING DEMO PLAN
P141-P1A	PARKING LEVEL 3 PLUMBING DEMO PLAN
P211-P1A	GROUND LEVEL PLUMBING NEW WORK
P221-P1A	PARKING LEVEL 1 PLUMBING DEMO PLAN
P231-P1A	PARKING LEVEL 2 PLUMBING DEMO PLAN
P241-P1A	PARKING LEVEL 3 PLUMBING DEMO PLAN
P301	PLUMBING DETAILS
P40-01A	STORM RISER DIAGRAM

PLUMBING SYMBOL LEGEND

SYMBOL	ABBREV.	DESCRIPTION
(E)XX	(E)	EXISTING TO REMAIN (XX INDICATES FLUID ABBREVIATION, REFER TO PLUMBING PIPE TYPE LEGEND)
(E)XX		EXISTING TO BE REMOVED (XX INDICATES FLUID ABBREVIATION, REFER TO PLUMBING PIPE TYPE LEGEND)
XX	(N)	NEW WORK (XX INDICATES FLUID ABBREVIATION, REFER TO PLUMBING PIPE TYPE LEGEND)
		FLOW IN DIRECTION OF ARROW
		PIPE ELBOW DOWN OR AWAY FROM VIEWER
		PIPE ELBOW UP OR TOWARD VIEWER
		PIPE TEE DOWN OR AWAY FROM VIEWER
		PIPE TEE UP OR TOWARD VIEWER
		VALVE IN PIPE RISER DOWN OR AWAY FROM VIEWER
RPBF	RPBF	REDUCE PRESSURE BACKFLOW PRENVENTOR (REFER TO DRAWINGS FOR TYPE)
	SOV	BALL VALVE OR SHUT-OFF VALVE
		BUTTERFLY VALVE
	SOV	GATE VALVE OR SHUT-OFF VALVE
	BLV	BALANCING VALVE
		CAPPED PIPE END
		CHECK VALVE
FCO	FCO	CLEAN-OUT (FLOOR)
COTG	COTG	CLEAN-OUT TO GRADE
WCO	WCO	CLEAN-OUT (WALL)
	CO	CLEAN-OUT
	EJ	EXPANSION JOINT
		INCREASER OR REDUCER
		FLEXIBLE PIPING CONNECTION
FSW	FSW	FLOW SWITCH
OR	SOV	SHUT-OFF VALVE
		PIPE SUPPORT
	GC	GAS COCK VALVE
		PLUG VALVE
PT		PRESSURE AND TEMPERATURE TEST PORT
P	PG	PRESSURE GAUGE
	PRV	PRESSURE REGULATING VALVE
		PUMP
		UNION
		ANCHOR
	VTR	VENT THROUGH ROOF
OR	WHA	WATER HAMMER ARRESTOR (LOCATE BEHIND ACCESS PANEL)
		ANGLE VALVE

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PLUMBING NOTATION LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECT OR DEMOLITION
1		SHEET KEY NOTES DEMOLITION
1		SHEET KEY NOTES NEW WORK
Ø	DIA	DIAMETER
X		DETAIL NUMBER
		DETAIL SYMBOL
XX		DRAWING NUMBER WHERE DETAIL IS SHOWN
XX		PLUMBING EQUIPMENT OR FIXTURE ABBREVIATION
		PLUMBING EQUIPMENT OR FIXTURE SYMBOL
X		PLUMBING EQUIPMENT OR FIXTURE NUMBER

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PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

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BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER KEVIN S. CHEN M-31154 Exp. 12/31/21 MECHANICAL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE:
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PLUMBING LEGEND, NOTES, AND ABBREVIATIONS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO.
P00-01
SHEET OF SHEETS

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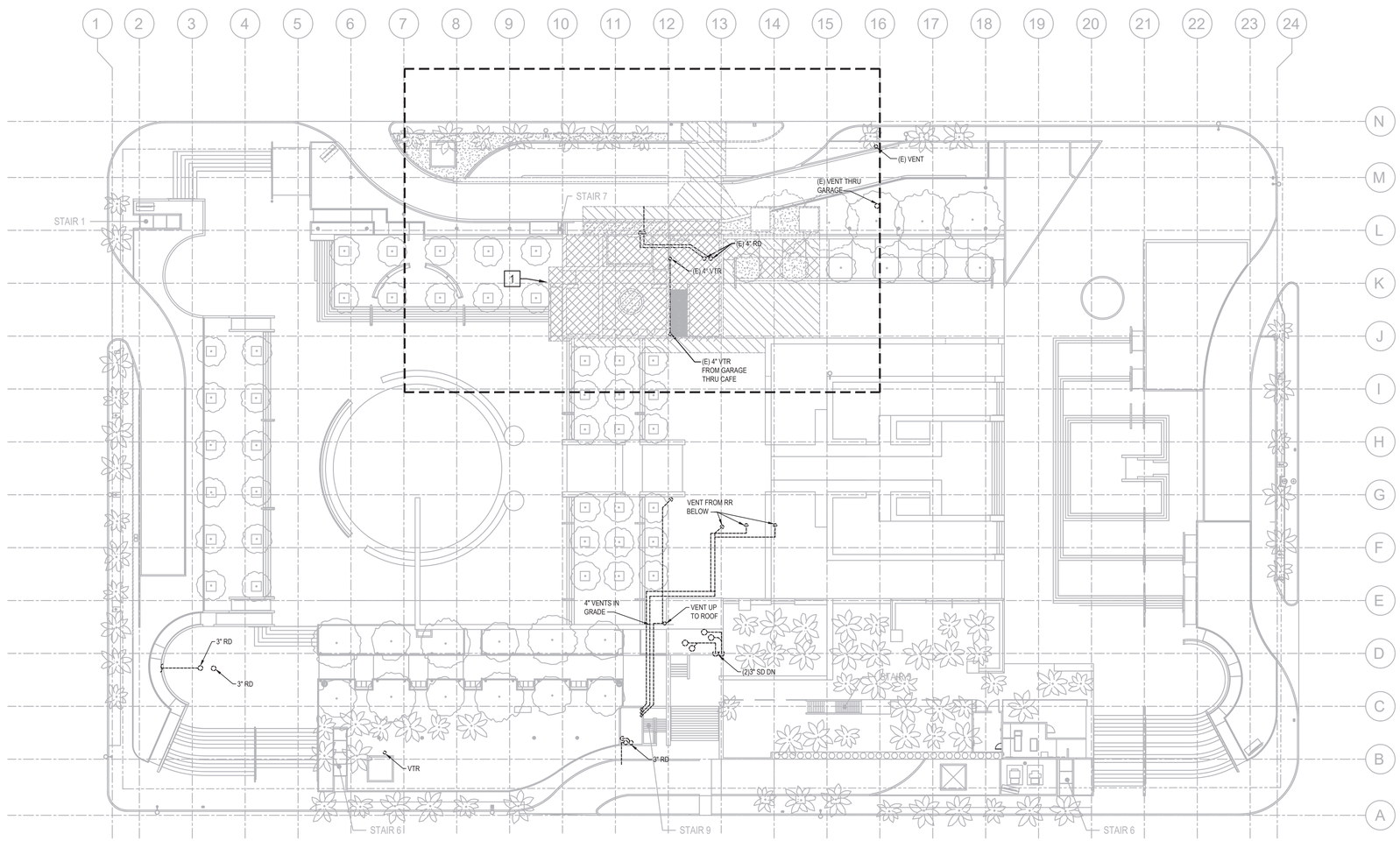

1 REMOVE EXISTING PLUMBING FIXTURES, INCLUDING WATER HEATER FROM PAVILION BUILDING. CAP ALL UTILITY LINES BELOW THE FLOOR. REMOVE ALL RELATED PIPING.

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REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEN
M-31154
Exp. 12/31/21
MECHANICAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 12/16/2021
ARCHITECTURAL DIVISION
LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - PLUMBING DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

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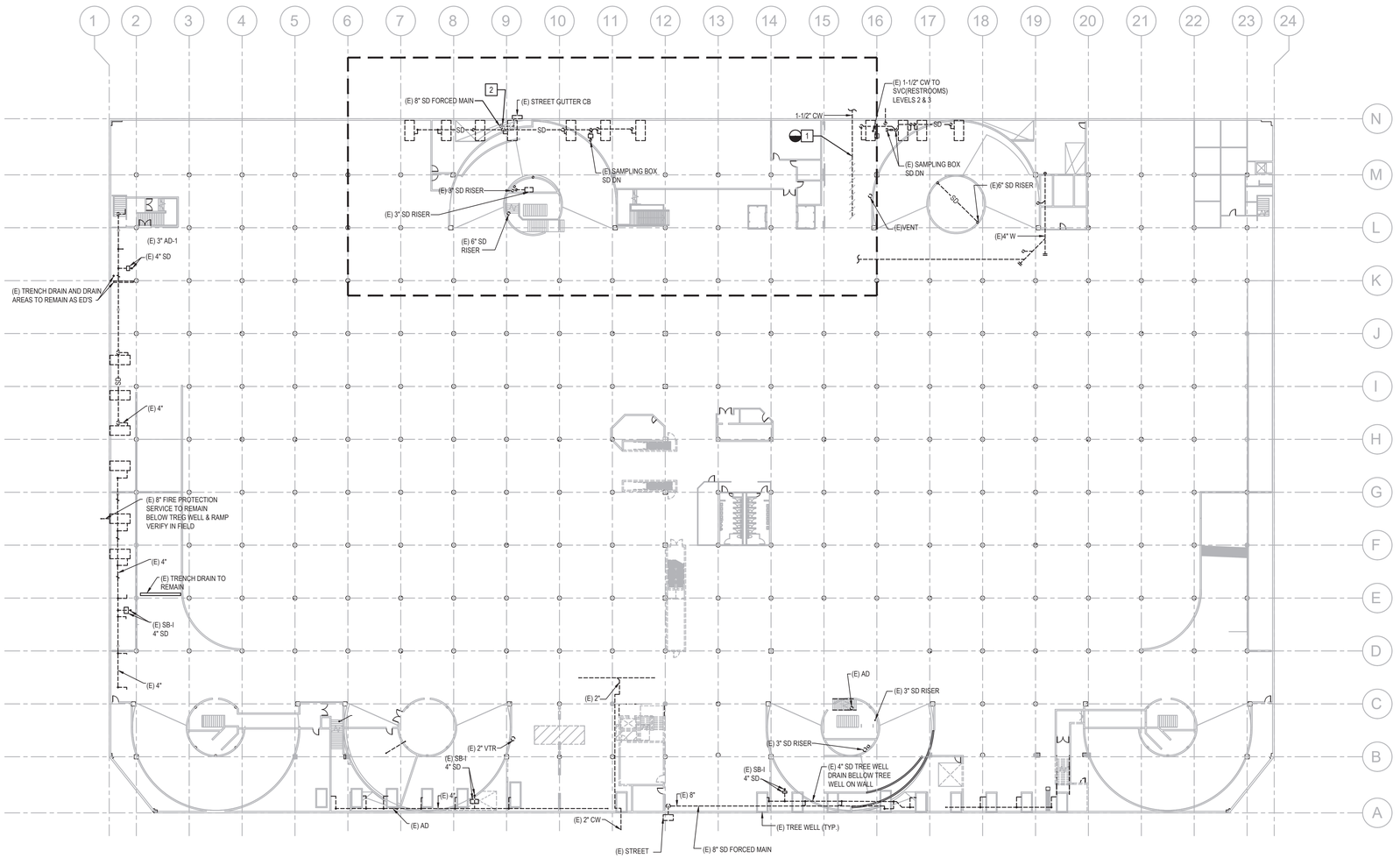

1 CAP EXISTING WATER LINE SERVING PAVILION BUILDING.

2 REMOVE EXISTING FORCED MAIN PIPING.

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Exp. 12/31/21
Mechanical
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665

ARCHITECT: DEBRA GEROO
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL - 1 PLUMBING DEMO PLAN**

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **P121-1A**

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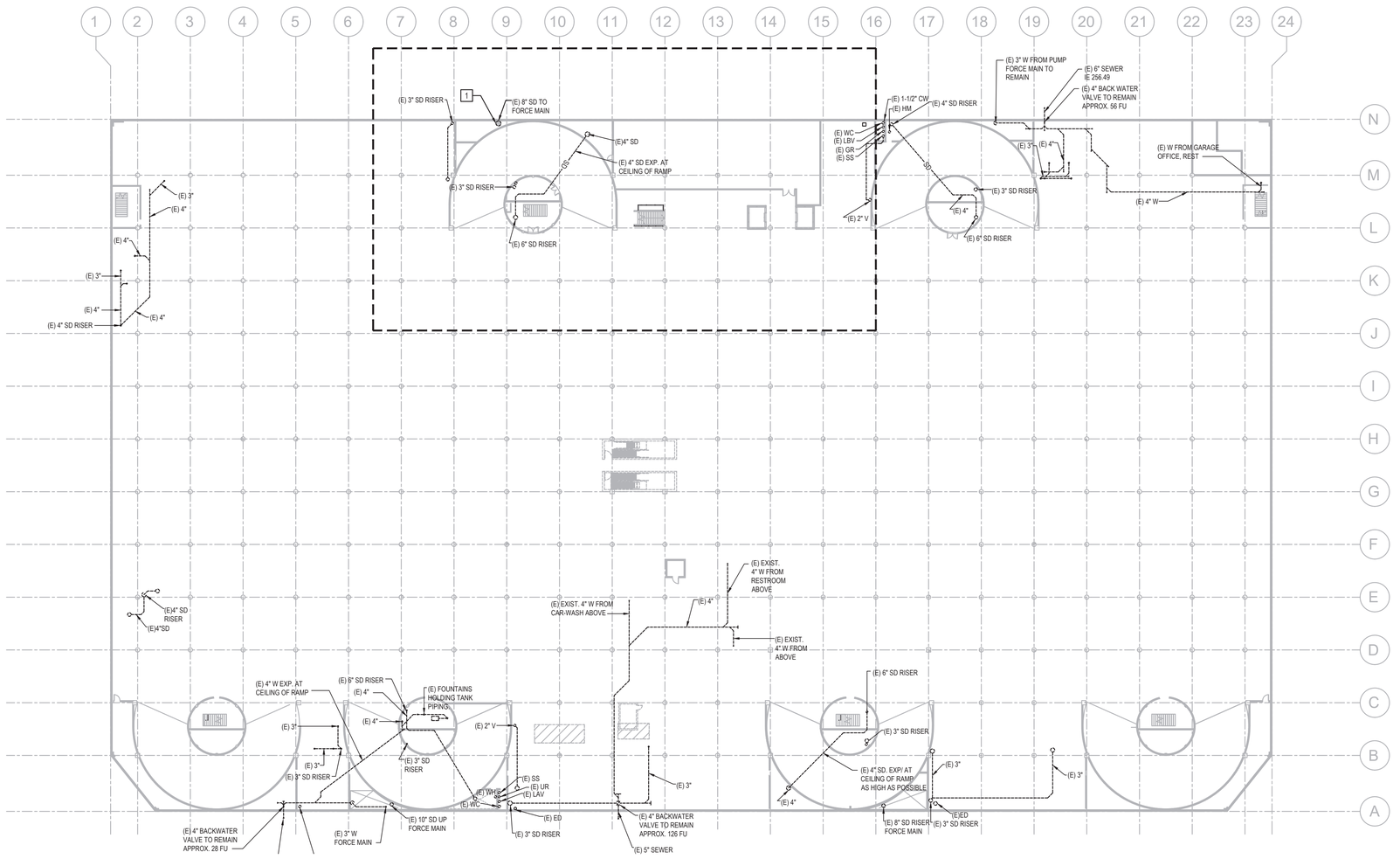

1 REMOVE EXISTING FORCED MAIN PIPING.

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REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEN
M-31154
Exp. 12/31/21
Civil
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: **GARY LEE MOORE, PE, ENV SP** DATE: 12/16/2021

ARCHITECTURAL DIVISION — LIC. NO. C23665

ARCHITECT: DEBRA GEROD

DESIGNED BY: dHA+CALPEC

DRAWN BY: dHA+CALPEC

CHECKED BY: KC/AI

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

CITY OF LOS ANGELES

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL - 2 PLUMBING DEMO PLAN**

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **P131-1A**

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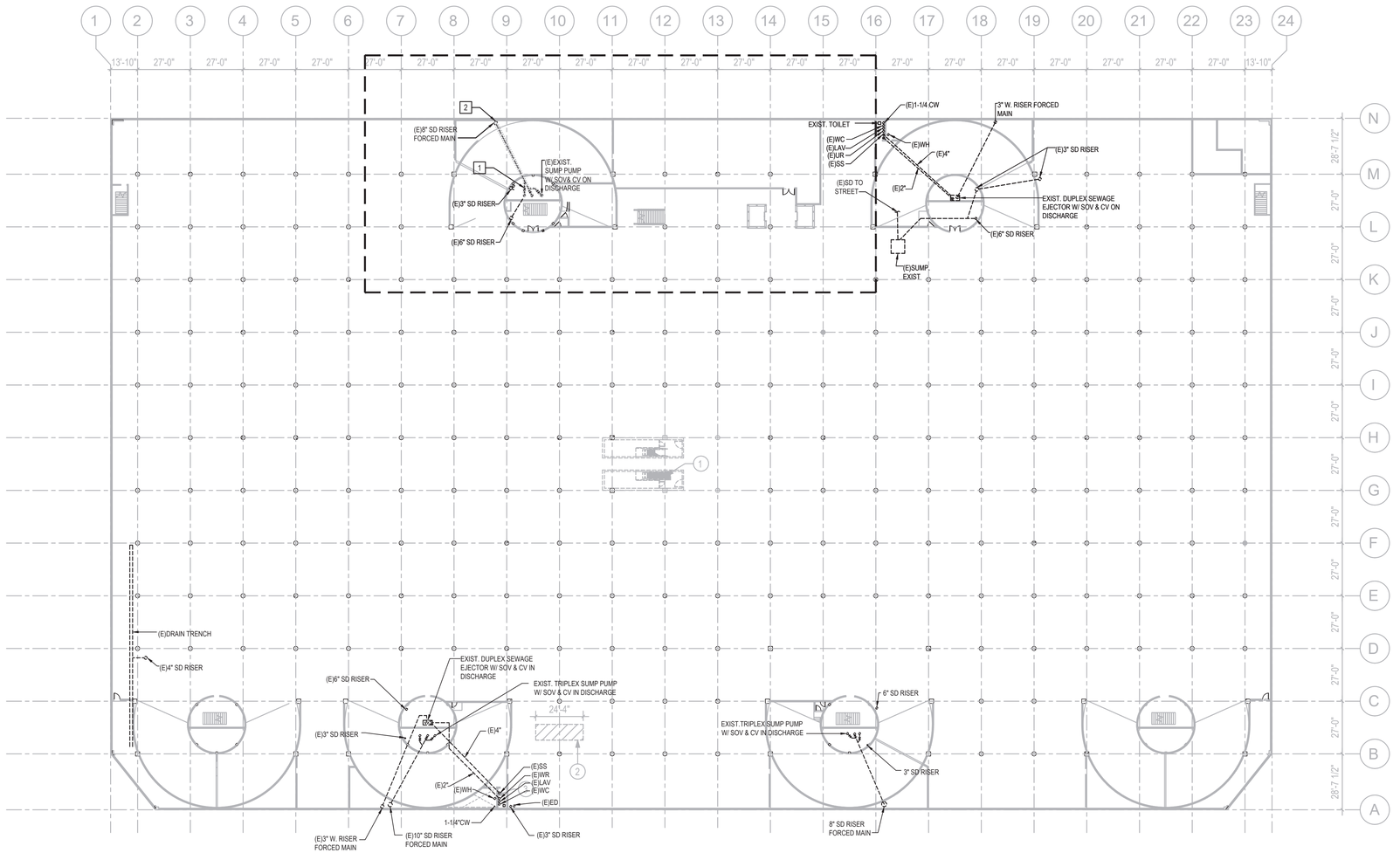

1 REMOVE EXISTING SUMP PUMPS. PATCH CONCRETE OPENINGS AND GET READY FOR NEW PUMPS INSTALLATION.

2 REMOVE EXISTING FORCED MAIN PIPING.

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STATE OF CALIFORNIA

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CITY OF LOS ANGELES

CITY ENGINEER **GARY LEE MOORE, PE, ENV SP**

DATE: 12/16/2021

ARCHITECTURAL DIVISION

LIC. NO. C23665

ARCHITECT: DEBRA GEROD

DESIGNED BY: dHA+CALPEC

DRAWN BY: dHA+CALPEC

CHECKED BY: KOJM

APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL - 3 PLUMBING DEMO PLAN**

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

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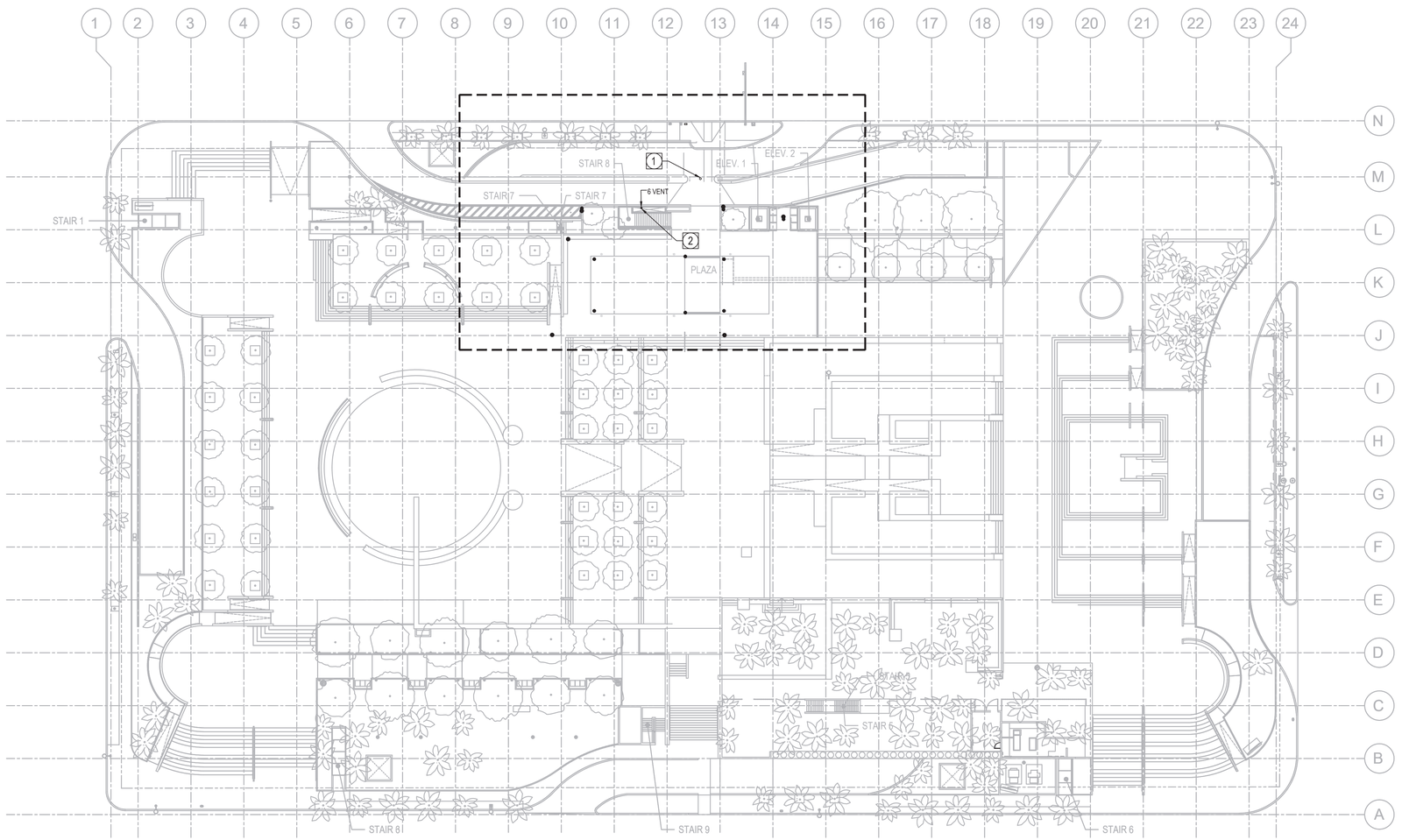

1. DRAIN ON GRADE. REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR MANUFACTURER AND MODEL REQUIREMENTS. (TYP.)
2. TERMINATE VENT 10' ABOVE GROUND LEVEL.

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REGISTERED PROFESSIONAL ENGINEER
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M-31154
Exp. 12/31/21
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE: 12/16/2021

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 11/08/2021
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **GROUND LEVEL - PLUMBING PLAN**

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
P211-1A
SHEET OF SHEETS

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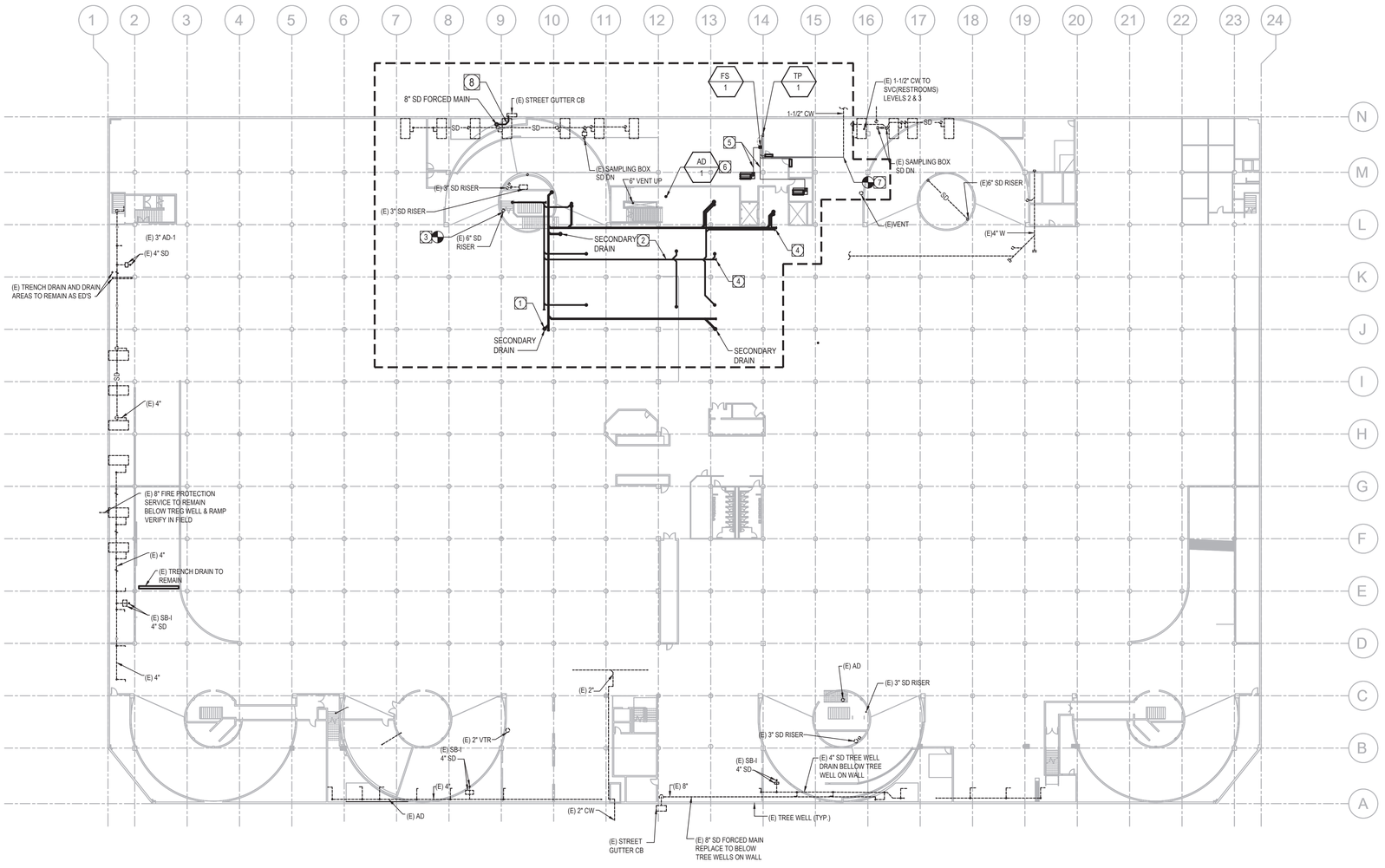

1. 4" DRAIN FROM ABOVE. (TYP). REFER TO LANDSCAPE AND CIVIL DWGS FOR DRAIN AND OVERFLOW REQUIREMENTS.
2. ROUTE STORM DRAIN PIPING TIGHT AGAINST THE TOP OF THE STRUCTURE. MAINTAIN A MIN. 1% SLOPE.
3. CONNECT TO EXISTING 6"SD RISER.
4. PROVIDE CLEANOUT. START OF RUN SHALL ALLOW FOR 1% EXTENSION OF 50' OF DRAINAGE PIPING TO BE CONNECTED IN PHASE-1B.
5. ROUTE 3/4" CONDENSATE FROM FAN COIL TO FLOOR SINK. MAINTAIN A 1% SLOPE TOWARDS THE DISCHARGE.
6. PROVIDE AREA DRAIN BY STAIRS LANDING. VERIFY EXACT LOCATION WITH ARCHITECT.
7. CONNECT 3/4" CW PIPE TO EXISTING WATER SERVICE AND EXTEND TO TP-1. MAINTAIN PIPES AWAY FROM ELECTRICAL ROOM OR ELEVATOR MACHINE ROOM.
8. FORCED MAIN FROM EJECTOR PUMP. REACH A HIGH POINT, BREAK PRESSURE AND SLOPE TOWARDS STREET GUTTER AT A MIN. SLOPE OF 1/8" PER FOOT.

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REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEN
M-31154
Exp. 12/31/21
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 12/16/2021
ARCHITECTURAL DIVISION — LIC. NO. C23665 — DATE: 11/08/2021

ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KOJAI
APPROVED BY: STEVEN FIERCE, A.I.A. PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL 1 - PLUMBING PLAN**

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. **P221-1A**
SHEET OF SHEETS

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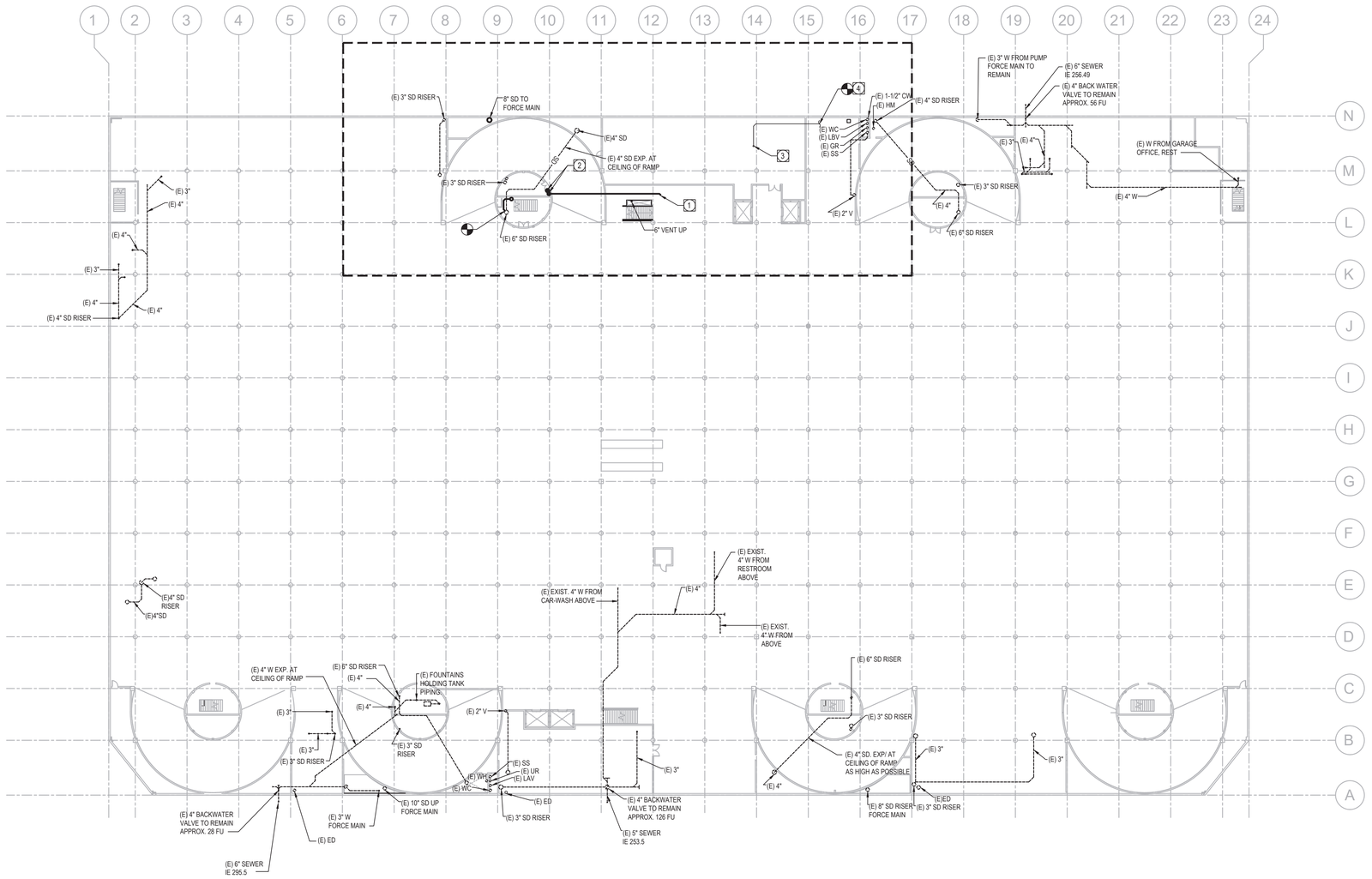

1. 4" FROM AREA DRAIN ABOVE.
2. ROUTE AREA DRAIN AND SECONDARY PIPING DN TO SUMP PIT ON LEVEL BELOW.
3. 2" WASTE LINE FROM FLOOR SINK ABOVE.
4. EXTEND SANITARY LINE TO EXISTING RESTROOM MAIN SANITARY AND CONNECT.

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dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. P231-1A

SHEET OF SHEETS

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NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEE
M-31154
Exp. 12/31/21
CIVIL
STATE OF CALIFORNIA

ENGINEERING
CITY OF LOS ANGELES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

SP CITY ENGINEER | DATE: 12/16/2021
GARY LEE MOORE, PE, ENV SP | LIC. NO. C23665
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT | 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - PLUMBING PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

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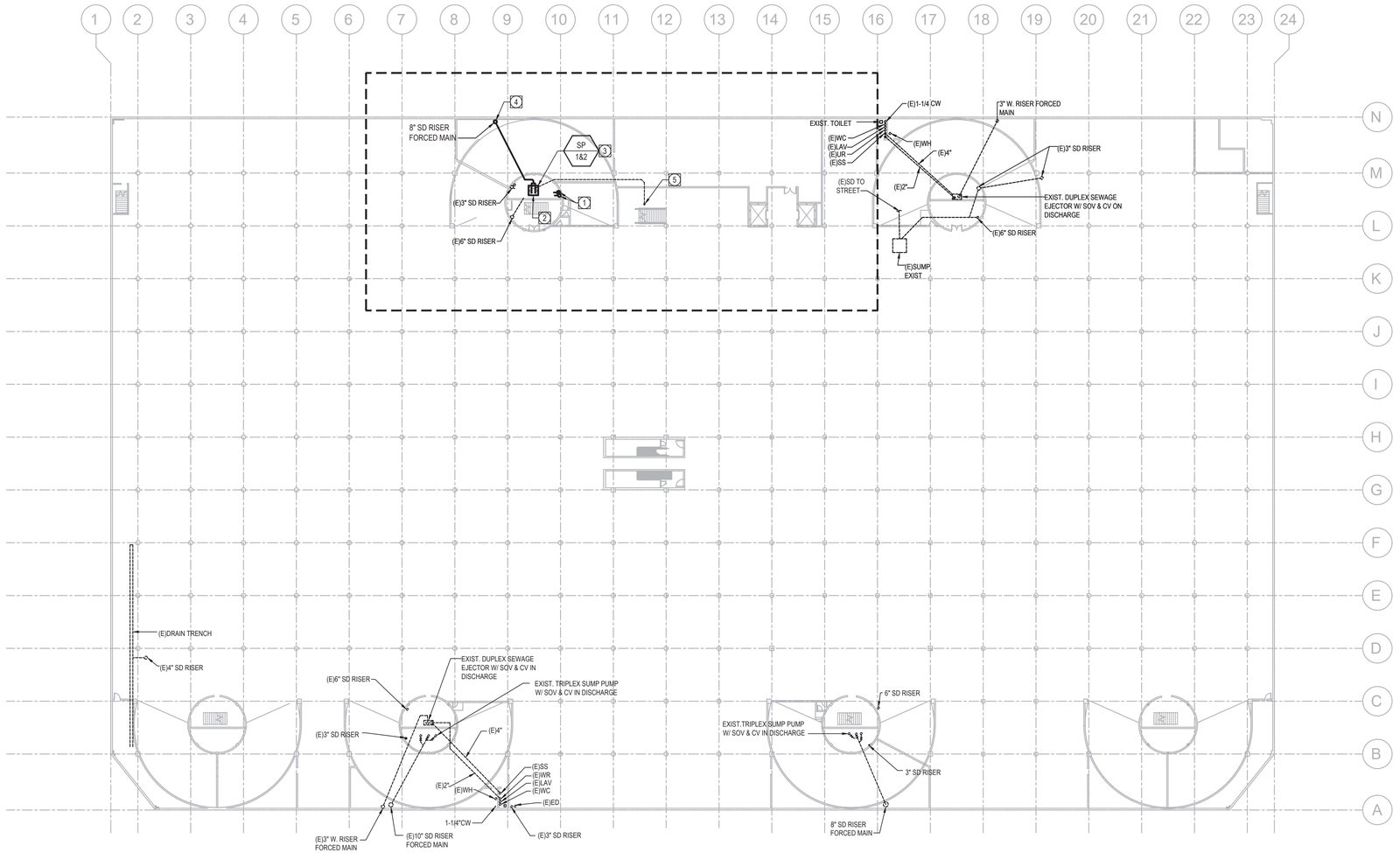

1. PIPES TO SPILL ON EXISTING SUMP PIT.
2. REPAIR CONCRETE FROM REMOVED SUMP PUMP AND PREPARE FOR INSTALLATION OF NEW DUPLEX SYSTEM.
3. PROVIDE DUPLEX COLUMN TYPE VERTICAL SUMP PUMPS WITH CONTROL PANEL.
4. ROUTE NEW FORCED MAIN TO A HIGH POINT AND SLOPE TO GUTTER ON STREET LEVEL.
5. 6" VENT UP. ALIGN VENT PIPING INSIDE SHAFT ABOVE AND TERMINATE 10' ABOVE GROUND LEVEL.

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BUILDING NO.

INDEX NO. **MF-300492**

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEN
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Exp. 12/31/21
CIVIL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/16/2021

ARCHITECTURAL DIVISION LIC. NO. C23665

ARCHITECT: DEBRA GEROD

DESIGNED BY: dHA+CALPEC

DRAWN BY: dHA+CALPEC

CHECKED BY: KOJAI

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: **PARKING LEVEL 3 - PLUMBING PLAN**

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

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WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. **P241-1A**

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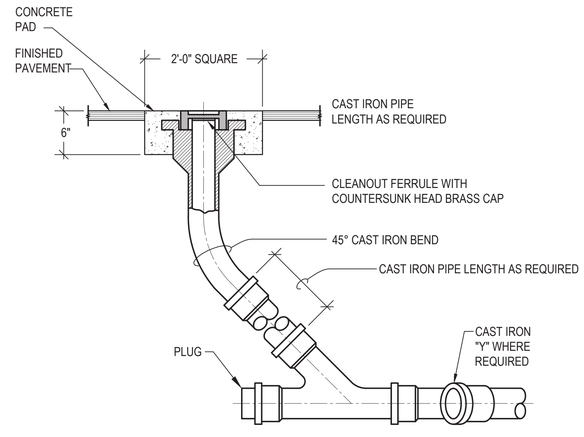
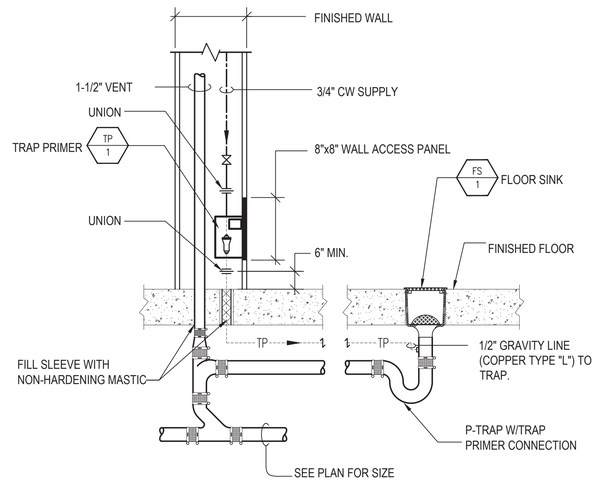
PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	BRANCH CONNECTION					CARRIER	REMARKS
		TRAP	WASTE	VENT	HW	CW		
FS 1	FLOOR SINK	2"	2"	1-1/2"	-	1/2"TP	-	"J.R. SMITH" FIG. 3100-Y-12-C-U-P050 CAST IRON BODY COMPLETE WITH FLASHING COLLAR, SEDIMENT BUCKET, NO HUB CONNECTION, VANDAL PROOF GRATE, TRAP PRIMER CONNECTION, OR APPROVED EQUAL.
AD 1	AREA DRAIN	-	SEE PLAN	-	-	-	-	"J.R. SMITH" FIG. DX2565-2646Y-U .
TP 1	TRAP PRIMER	-	-	-	-	3/4"	-	TRAP PRIMER SHALL BE PPP INC. "PRIME-RITE" #PR-500 COMPLETE WITH DISTRIBUTION #DU-X UNIT AS REQUIRED OR APPROVED EQUAL BY MIFAB OR SIOUX CHIEF. PROVIDE ACCESS PANEL AND SHUT-OFF VALVE FOR EACH ASSEMBLY.



CLEANOUT

N.T.S. 2



FS AND TRAP PRIMER ASSEMBLY

N.T.S. 1

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS	DATE	BY

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE: 11/08/201
LIC. NO. C23665

ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PLUMBING SCHEDULES AND DETAILS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST, LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. P30-01

SHEET OF SHEETS

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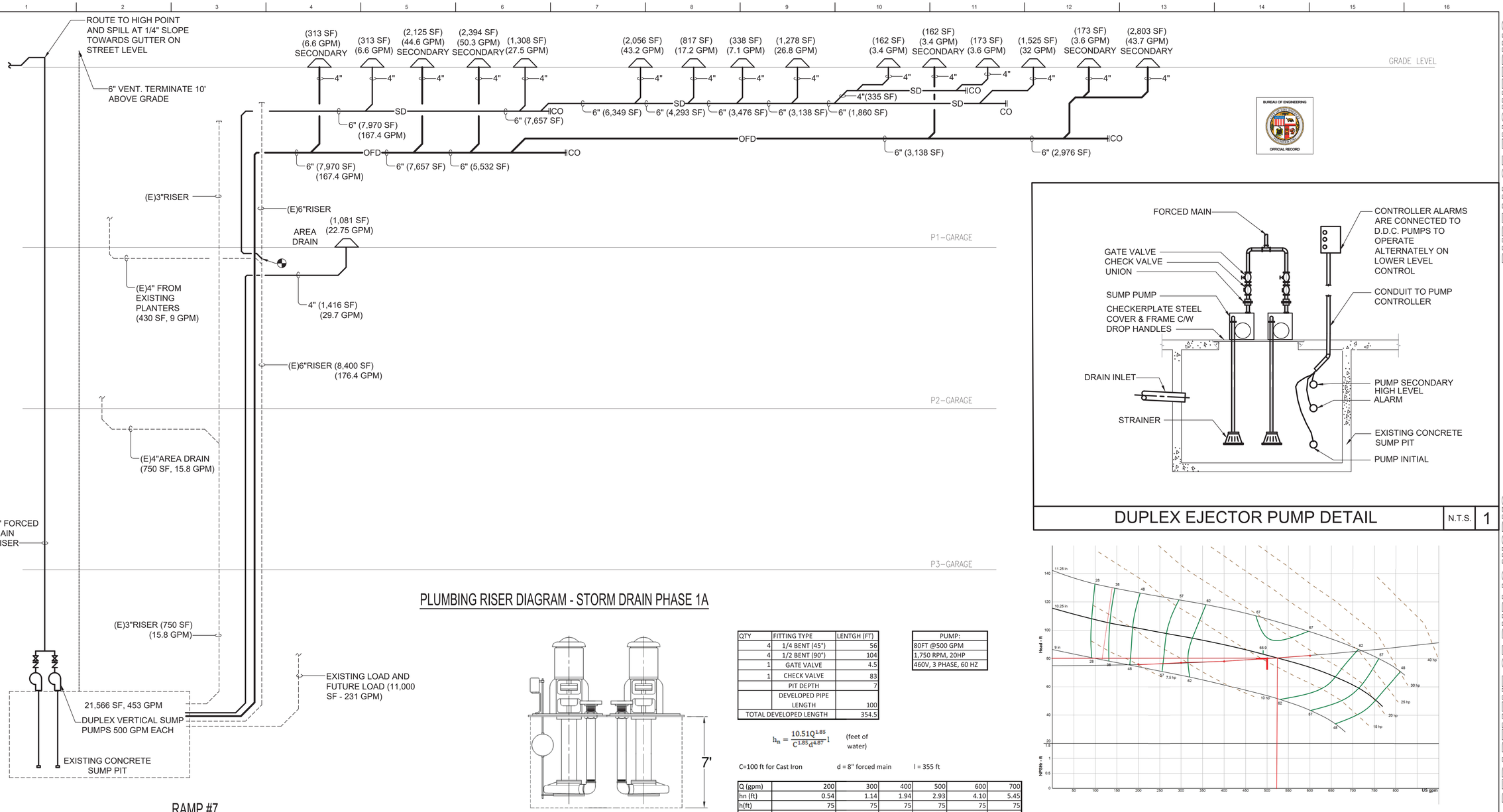

RAMP #7

PLUMBING RISER DIAGRAM - STORM DRAIN PHASE 1A

QTY	FITTING TYPE	LENTGH (FT)
4	1/4 BENT (45°)	56
4	1/2 BENT (90°)	104
1	GATE VALVE	4.5
1	CHECK VALVE	83
	PIT DEPTH	7
	DEVELOPED PIPE LENGTH	100
TOTAL DEVELOPED LENGTH		354.5

PUMP:
80FT @500 GPM
1,750 RPM, 20HP
460V, 3 PHASE, 60 HZ

$$h_n = \frac{10.51Q^{1.85}}{C^{1.85}d^{4.87}}l \quad \text{(feet of water)}$$

C=100 ft for Cast Iron d = 8" forced main l = 355 ft

Q (gpm)	200	300	400	500	600	700
hn (ft)	0.54	1.14	1.94	2.93	4.10	5.45
h(ft)	75	75	75	75	75	75
htot	75.54	76.14	76.94	77.93	79.10	80.45

DUPLEX EJECTOR PUMP DETAIL N.T.S. 1

SUMP PUMP CURVE

NOTES:

1- CLEANOUTS FOR HORIZONTAL BUILDING STORM DRAINS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 719 OF THE CPC.

2- STORM DRAINAGE SYSTEM IS SIZED BASED UPON 2" PER HOUR OF RAINFALL BASED ON 2019 CPC APPENDIX D, TABLE 101.1 AND UNLESS OTHERWISE NOTED, STORM AND OVERFLOW DRAIN PIPING IS SLOPED AT 1/4" PER FOOT (2%).

EJECTOR PUMP SCHEDULE

SYMBOL	SERVICE	TYPE	GPM	HEAD (FT.)	RPM	IMPELLER (IN.)	ELECTRICAL REQUIREMENTS				REMARKS
							HP	VOLTS	PHASE	HERTZ	
SP 1&2	STORM DRAIN SUMP PIT	DUPLEX VERTICAL NON-CLOG	500	80	1,750	10.25	20	460	3	60	CRANE DEMING 7500-COLSUMP-NONCLOG VERTICAL PUMP SIZE 7565 4X4X12X2. EXPLOSION PROOF MOTOR, 4" SUCTION AND 4" DISCHARGE, 2" SOLIDS. PUMPS COMPLETE WITH FLOAT SWITCHES, HIGH WATER ALARM, AND DUPLEX CONTROL PANEL FOR THE TWO PUMPS WITH VISUAL AND AUDIBLE ALARM PANEL AND SILENCING BUTTON. COMPLETE GASTIGHT HINGED COVER AND VANDAL-PROOF BOLTS FOR EACH PUMP. THE EXISTING PIT IS 7'-0" DEEP; THE CONTRACTOR SHALL FIELD VERIFY THE EXACT DIMENSION PRIOR TO ORDING THE PUMP WITH CORRECTED SHAFT LENGTH. U.L. APPROVED, AND THE CITY OF L.A. TESTED.

STORM RISER DIAGRAM N.T.S. 1

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ENGINEERING
CITY OF LOS ANGELES

BUILDING NO.
INDEX NO. MF-300492
NO. REVISIONS: DATE: BY:

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. CHEE
M-31154
Exp. 12/31/21
Structural
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: dHA+CALPEC
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CHECKED BY: KC/AI
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PLUMBING RISER DIAGRAMS
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. P40-01-1A
SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

DEMOLITION & ALTERATION NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS.

2. ALL WORK SHALL BE PERFORMED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED OR AS REQUIRED TO PERFORM THE NEW WORK.

3. REMOVE ALL LIGHT FIXTURES, SWITCHES, SPEAKERS, TELEPHONE OUTLETS, RECEPTACLES, MISCELLANEOUS CONDUIT, WIRE, ETC. THAT INTERFERES WITH NEW CONSTRUCTION. EXTEND ANY INTERRUPTED CIRCUITS. PROVIDE BLANK COVER PLATES AS REQUIRED IN FINISHED AREAS, COVER PLATES SHALL MATCH THE WALL SURFACE.

4. INFORMATION GIVEN ON THE DRAWINGS ABOUT EXISTING INSTALLATIONS HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE BUT CANNOT BE GUARANTEED ACCURATE IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY NEW WORK THAT MAY BE AFFECTED. INCLUDE AS A PART OF THE CONTRACT ALL WORK REQUIRED TO PRODUCE THE INDICATED RESULT.

5. EXCEPT AS MAY BE SPECIFICALLY INDICATED OTHERWISE, ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK AND NOT INDICATED TO BE REUSED SHALL BE TREATED AS FOLLOWS:
   - A. ALL CONDUITS, CONDUCTORS, OUTLET BOXES AND FITTINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
   - B. ALL OTHER REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER AND DISPOSED OF AS DIRECTED BY THE OWNER.

6. CLEAN ALL REMOVED ITEMS THAT ARE TO BE REUSED, CONDUITS THAT ARE TO BE REUSED SHALL BE CLEANED BEFORE INSTALLING ANY NEW CONDUCTORS. WHERE A CHOICE IS POSSIBLE, SELECT THE BEST OF THE REMOVED ITEMS FOR REUSE.

7. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL EXISTING WIRING, CONDUITS, JUNCTION BOXES AND OTHER ELECTRICAL DEVICES IN AREAS WHERE NEW WORK OCCURS, SHALL BE REMOVED EXCEPT WHEN SUCH DEVICES ARE REQUIRED TO MAINTAIN SERVICES TO OTHER AREAS. IN SUCH CASES, CONTRACTOR SHALL RELOCATE THESE DEVICES WHERE REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR MAY ABANDON IN IN PLACE ANY OF THE EXISTING ITEMS WHEN SUCH ITEMS ARE CONCEALED AND DO NOT INTERFERE WITH THE NEW WORK OF ALL TRADES.

8. NUMBER OF CONDUCTORS SHOWN ON EXISTING CONDUITS REPRESENT THOSE REQUIRED TO PERFORM THE WORK. WHEN NUMBER OF EXISTING IS INADEQUATE, CONTRACTOR SHALL PROVIDE ADDITIONAL WIRES AND ALL NECESSARY WORK AND ACCESSORIES REQUIRED TO CONFORM TO THE NUMBER OF CONDUCTORS SHOWN ON THE DRAWINGS. ALL EXTRA EXISTING WIRES SHALL BE TAPED, COILED AND TAGGED AS "NOT-USED" AT BOTH ENDS IN JUNCTION BOXES. CONTRACTOR SHALL EXAMINE AND REPLACE ALL EXISTING WIRES IN BAD CONDITION WITH EQUIVALENT NEW ONES.

9. BEFORE THE ELECTRICAL WORK IS CONSIDERED COMPLETE, THE CONTRACTOR SHALL DEMONSTRATE TO THE ARCHITECT'S SATISFACTION THAT THE LOADS ARE EQUALLY BALANCED ACROSS THE PHASES OF THE PANELBOARDS AFFECTED BY THE WORK INDICATED ON THESE PLANS. LOADS SHALL BE BALANCED IN THE FOLLOWING MANNER:
   - A. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL ENERGIZE ALL LIGHTING, MOTORS, ETC., SERVED FROM THE AFFECTED PANELBOARDS, AND USING A CLAMP-ON AMPMETER CHECK THE LOAD ON EACH PHASE.
   - B. IF THE LOADS ON ANY PHASE IS OUT OF BALANCE, THE CONTRACTOR SHALL REARRANGE THE BRANCH CIRCUIT CONNECTIONS FROM BREAKER TO BREAKER UNTIL THE LOADS ON EACH OF THE PHASES ARE IN BALANCE.
   - C. AFTER THE LOAD BALANCE HAS BEEN ACCOMPLISHED, THE CONTRACTOR SHALL PROVIDE AN INDEX CARD (NEATLY TYPED) DIRECTORY, CLEARLY INDICATING THE TYPE OF LOADS AND ROOM NUMBERS FOR EACH CIRCUIT INCLUDING THOSE EXISTING.

DEMOLITION AND REMODEL SYMBOLS

THE FOLLOWING LETTER DESIGNATIONS SHOWN ON DEMOLITION/ REMODEL PLANS ADJACENT TO LIGHT FIXTURES, RECEPTACLES, TELEPHONE AND DATA OUTLETS, EQUIPMENT, ETC. DENOTE:

(R)	REMOVAL OF EXISTING EQUIPMENT.
(E)	EXISTING EQUIPMENT TO REMAIN IN PLACE.
(ER)	EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED.
(RE)	RELOCATED EXISTING EQUIPMENT NEW LOCATION.
———E———	EXISTING CIRCUITS TO REMAIN
———R———	REMOVE EXISTING CIRCUITS

ABBREVIATIONS

A	AMPERES	F	FUSE	PH	PHASE
A/C	AIR CONDITIONING	FA	FIRE ALARM	PNL	PANEL
AFF	ABOVE FINISHED FLOOR	FIXT	FIXTURE	PWR	POWER
AFG	ABOVE FINISHED GRADE	FLUOR	FLUORESCENT		
AIC	AMPERES INTERRUPTING CAPACITY			RECEPT	RECEPTACLE
AL	ALUMINUM	GC	GENERAL CONTRACTOR	REQ'D	REQUIRED
ARCH	ARCHITECTURAL	GFI	GROUND FAULT INTERRUPTER	RM	ROOM
ATS	AUTOMATIC TRANSFER SWITCH	GND	GROUND		
				SC	SEPARATE CIRCUIT
BKBD	BACKBOARD	HOA	HAND-OFF-AUTOMATIC	SHT	SHEET
		HP	HORSEPOWER	SP	SINGLE POLE
C	CONDUIT WITH WIRES			ST	SINGLE THROW
CATV	CABLE TELEVISION CIRCUIT	Isc	SHORT CIRCUIT CURRENT	SURF	SURFACE
C/B	BREAKER	IC	INTERCOM	SW	SWITCH
CKT	CIRCUIT			SWGR	SWITCHGEAR
CLG	CEILING	J	JUNCTION		
CO	CONDUIT ONLY WITH PULL WIRE			TC	TIME CLOCK
CU	COPPER	LCL	LONG CONTINUOUS LOAD	TERM	TERMINAL
		LTG	LIGHTING	TEL	TELEPHONE
DE	DUAL ELEMENT FUSES			TV	TELEVISION
DISC	DISCONNECT	MAX	MAXIMUM	TYP	TYPICAL
DIST	DISTRIBUTION	MIN	MINIMUM	UG	UNDERGROUND
DWG	DRAWING	MTG	MOUNTING	UGPS	UNDERGROUND PULL SECTION
				UON	UNLESS OTHERWISE NOTED
EA	EACH	NF	NON-FUSED	V	VOLTS
EG	EQUIPMENT GROUND	NIC	NOT IN CONTRACT	W/	WITH
EC	ELECTRICAL CONTRACTOR	NL	NIGHT LIGHT	WCR	WITHSTAND AND CLOSING RATING
ELEC	ELECTRICAL	NTS	NOT TO SCALE	WP	WEATHERPROOF
EM	EMERGENCY			XFMR	TRANSFORMER
EMT	METALLIC	P	POLE	4/S	JUNCTION BOX 4" SQUARE
EQUIP	EQUIPMENT	PA	PUBLIC ADDRESS	5/S	JUNCTION BOX 4-11/16"
EXIST	EXISTING	PB	PULL BOX		
		PC	PHOTO CELL		

SYMBOL LIST

CLG. WALL

GENERAL:

- DUPLEX CONVENIENCE OUTLET 15 AMP, 120 VOLT, +18" A.F.F. U.O.N.
- DUPLEX CONVENIENCE OUTLET 15 AMP, 120 VOLT, FLOOR MOUNTED.
- DUPLEX CONVENIENCE OUTLET 15 AMP, 120 VOLT, HORIZONTALLY MOUNTED.
- DUPLEX CONVENIENCE OUTLET 15 AMP, 120 VOLT PEDESTAL TYPE.
- DOUBLE DUPLEX CONVENIENCE OUTLET +12" A.F.F., U.O.N..
- GFI — GFI DUPLEX RECEPTACLE 20AMP, 120 VOLT, 48" A.F.F., U.O.N..
- SPECIAL RECEPTACLE. NEMA CONFIGURATION AS NOTED.
- PLUGMOLD.
- JUNCTION BOX.
- JUNCTION BOX MOUNTED ON CONDUIT STUB +8" A.F.F., U.O.N..
- MOTOR CONNECTION.
- "1" — MAGNETIC MOTOR STARTER. NEMA SIZE AS INDICATED.
- "1" 30A — COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH, SIZE AS INDICATED.
- DISCONNECT SWITCH, 30 AMP, 3 POLE, NON-FUSED U.O.N..
- 60A 50A — DISCONNECT SWITCH, 60 AMP, 3 POLE WITH 50 AMP FUSES.
- TERMINAL CABINET AS NOTED.
- SURFACE MOUNTED LIGHTING AND RECEPTACLE PANELBOARD.
- FLUSH MOUNTED LIGHTING AND RECEPTACLE PANELBOARD.
- SWITCHBOARD OR POWER PANELBOARD.
- PUSH-BUTTON, +48" A.F.F., U.O.N..
- CONNECTION TO EQUIPMENT.
- T — TRANSFORMER.
- 2LA — PANEL, SWITCHBOARD, TRANSFORMER OR TERMINAL CABINET DESIGNATION.
- 2 — DEMOLITION REFERENCE NOTE.
- (2) — REFERENCE NOTE.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.
- EXPOSED CONDUIT.
- CONDUIT TURNING UP. / CONDUIT TURNING DOWN.
- CONDUIT CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.
- 3/4"C. - 2#12 / 3/4"C. - 5#12
- 3/4"C. - 3#12 / 3/4"C. - 6#12
- 3/4"C. - 4#12 / 3/4"C. - 7#12
- #6 — CONDUCTORS OTHER THAN #12 AWG AS INDICATED (3#6 AWG) SIZE CONDUIT PER APPLICABLE CODES.
- 2LA-1&3&5 — HOMERUN TO PANEL "2LA" CIRCUITS 1,3,5 (3 POLE CIRCUIT BREAKER).
- 2LA-2,4,6 — HOMERUN TO PANEL "2LA" CIRCUITS 2,4,6 WITH COMMON NEUTRAL.
- CONDUIT STUB WITH CAP. (WITH POLY-PROPYLENE PULL WIRE).
- CONDUIT SEAL.

LIGHTING:

CLG. WALL

- 6a — LIGHTING FIXTURE, "6" DENOTES CIRCUIT NUMBER, "a" DENOTES CONTROLLING SWITCH.
- LED LIGHTING FIXTURE.
- LED STRIP LIGHTING FIXTURE.
- SINGLE FACE EXIT LIGHT WITH DIRECTIONAL ARROWS IF INDICATED.
- DOUBLE FACE EXIT LIGHT FIXTURE WITH DIRECTIONAL ARROWS IF INDICATED.
- 2'x4' FIXTURE RECESSED IN "T" BAR CEILING SYSTEM
- EM — 2'x4' FIXTURE RECESSED IN "T" BAR CEILING SYSTEM ON EMERGENCY CIRCUIT "EM" WITH UL924 EMERGENCY RELAY.
- 2'x4' FIXTURE RECESSED IN "T" BAR CEILING SYSTEM
- EM — 2'x2' FIXTURE RECESSED IN "T" BAR CEILING SYSTEM ON EMERGENCY CIRCUIT "EM" WITH UL924 EMERGENCY RELAY.
- RECESSED DOWN LIGHT.
- EM — RECESSED DOWN LIGHT ON EMERGENCY CIRCUIT "EM" WITH UL924 EMERGENCY RELAY.
- A 100 — FIXTURE TYPE "A" 100 VOLT AMPERE EACH. TYPICAL IN ROOM OR AREA U.O.N. (BALLAST LOSS INCLUDED, IF ANY). SEE FIXTURE SCHEDULE.
- S_a^3 — SINGLE POLE TOGGLE SWITCH, +42" A.F.F., U.O.N.

a - OUTLETS CONTROLLED.
2 - TWO POLE.
3 - THREE WAY.
4 - FOUR WAY.
K - KEYED.
P - PILOT LIGHT.
D - DIMMER.
R - REMOTE CONTROL, MOMENTARY CONTACT.
F - FLY FAN DOOR SWITCH.
M - MANUAL MOTOR STARTER WITH HP-RATED THERMAL

SITE WORK:

- SINGLE LUMINAIRE AND POLE.
- TWO LUMINAIRE AND POLE.
- FLOOR LUMINAIRE.

SINGLE LINE DIAGRAM:

- 150A 3P — CIRCUIT BREAKER, MOLDED CASE, 3 POLE, 150 AMP TRIP.
- 70A 100A 3P — SWITCH AND FUSE, 3 POLE, 100 AMP WITH (3) 70 AMP FUSES.
- M — METERING AND CURRENT/POTENTAIL TRANSFORMER AS REQUIRED.
- G — GROUND FAULT SENSOR.
- TRANSFORMER WITH SECONDARY GROUND.
- FDR−3 — FEEDER NO. 3 - SEE FEEDER SCHEDULE.
- GROUND WELL WITH ROD.
- GROUND TO COLD WATER PIPE.
- UFER GROUND.
- N — NEUTRAL BUS.
- G — EQUIPMENT GROUND BUS.
- DRAW-OUT CIRCUIT BREAKER.

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2019 CALIFORNIA ELECTRICAL CODE (CEC), 2020 LA CITY ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES AND REGULATIONS.

2. MINIMUM SIZE OF CONDUIT SHALL BE 3/4", MINIMUM SIZE OF CONDUCTOR SHALL BE #12 AWG UNLESS OTHERWISE NOTED.

3. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN.

4. WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT FROM SOURCE TO LOAD, UNLESS OTHERWISE NOTED.

5. ALL JUNCTION BOXES AND PULL BOXES SHALL BE OF CODE GAUGE AND OF THE REQUIRED SIZE TO ACCOMMODATE NUMBER OF CONDUCTORS SHOWN.

6. ALL PULL BOXES IN FINISHED AREAS SHALL HAVE FACTORY APPLIED PRIME COAT OF PAINT.

7. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL MECHANICAL, PLUMBING, KITCHEN EQUIPMENT AND REFRIGERATION AND ALL OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.

8. ALL PANELBOARDS SHALL HAVE LOCKING DOOR AND BE KEYED ALIKE UNLESS OTHERWISE NOTED.

9. STUB OUT (2) 1" CONDUITS FROM ALL FLUSH MOUNTED PANELBOARDS INTO ACCESSIBLE CEILING SPACE AND CAP FOR FUTURE USE.

10. ELECTRICAL CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, RECEPTACLES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.

11. ALL MOUNTING HEIGHTS SHOWN ARE TO CENTER LINE OF OUTLET OR DEVICE AND SHALL APPLY UNLESS INDICATED OTHERWISE.

12. DRAWINGS ARE DIAGRAMMATIC AND INDICATED GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND SPACE CONDITIONS AT ALL TIMES.

13. LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOOR, INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.

14. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR CLOCKS, SWITCHES, HORNS FIRE ALARM STRIKE STATIONS, SPEAKERS, RECEPTACLES ETC.

15. WHERE ELECTRONIC MOTORS OR HEATERS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT.

16. EXPOSED RACEWAYS (WHEN INDICATED ON DRAWINGS) SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.

17. FURNISH APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS.

18. FURNISH FISH WIRE IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.

19. NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, UNLESS OTHERWISE INDICATED.

20. PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT.

21. SUPPORT PANELBOARDS, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.

22. OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILING SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURES.

23. SEE MECHANICAL, PLUMBING, KITCHEN EQUIPMENT AND REFRIGERATION DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS AND TRANSFORMERS, SWITCHES, TIME CLOCKS, VALVES, STATS, RELAYS, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.

24. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF TYPE.

25. NO CONDUIT RUNS WILL BE ALLOWED IN CONCRETE SLAB. ALL CONDUITS WILL BE PLACED IN THE HUNG CEILING UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.

26. LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK TO BACK.

27. CONTACT UTILITY COMPANIES FOR SCOPE OF WORK PRIOR TO SUBMITTING BID; INCLUDE UTILITY CHARGES IF ANY.

28. WHERE MORE THAN (1) ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE.

29. WHERE MOUNTING HEIGHTS OR DIMENSIONS OF DEVICE LOCATIONS ARE SHOWN, CONTRACTOR SHALL CONFIRM SUCH DIMENSIONS WITH ARCHITECTURAL DRAWINGS. WHERE CONFLICT IN DIMENSIONS OCCUR BETWEEN DRAWINGS, OR WHERE NO DIMENSIONS OR MOUNTING HEIGHTS ARE INDICATED ON EITHER SET OF DRAWINGS, CONTRACTOR SHALL VERIFY THESE ITEMS WITH ARCHITECT IN FIELD PRIOR TO ROUGH-IN.

30. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROTECTED BY MATERIALS TESTED IN ACCORDANCE WITH UL1479/ASTM E-814. INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND MAINTAIN THE FIRE RATING OF WALLS AND/OR FLOORS AFFECTED. PROVIDE HILTI C5240 FIRESTOP SEALANT, CSFM LISTING NO. 4060-1200:100, OR EQUIVALENT STATE FIRE MARSHALL APPROVED AND LISTED MATERIAL.

31. WHERE LIGHTING FIXTURES ARE FOR LAY-IN MOUNTING IN AN EXPOSED RUNNER TYPE OF CEILING, PROVIDE EACH FIXTURE WITH CLIPS (4 REQUIRED) OR EQUIVALENT MEANS TO PREVENT THE ACCIDENTAL DISENGAGEMENT OF THE FIXTURE FROM THE CEILING. WHERE FIXTURES IN SUCH CEILINGS ARE SQUARE OR RECTANGULAR IN SHAPE, PROVIDE EACH FIXTURE WITH FOUR (4) #12 AWG GALVANIZED STEEL WIRES WITHIN 3 INCHES OF EACH OF THE CORNERS, AND SECURE TO THE BUILDING STRUCTURE AS REQUIRED.

32. EQUIPMENT ANCHORAGE: PER TITLE-24, SECTION 2-2312(G) AND TABLE 2-23-J, PART B, ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED AGAINST SEISMIC FORCES TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA.

A.	FIXED EQUIPMENT ON GRADE:	50% OF OPERATING WEIGHT
B.	FIXED EQUIPMENT ON STRUCTURE:	75% OF OPERATING WEIGHT
C.	EMERGENCY POWER EQUIPMENT ON GRADE:	66% OF OPERATING WEIGHT
D.	EMERGENCY POWER EQUIPMENT ON STRUCTURE:	100% OF OPERATING WEIGHT
E.	FOR FLEXIBILITY MOUNTED EQUIPMENT:	USE 2 x THE ABOVE VALUES
F.	FOR SIMULTANEOUS VERTICAL FORCE:	USE 3 x HORIZONTAL FORCE

WHERE SPECIFIC ANCHORAGE DETAILS ARE NOT INDICATED, FIELD INSTALLATION SHALL REQUIRE THE APPROVAL OF ARCHITECT/ENGINEER AND FIELD REPRESENTATIVE OF OFFICE OF STATE ARCHITECT.

THESE VALUES ARE FOR AN IMPEDANCE FACTOR 1 = 1.0 AND SEISMIC ZONE, Z = 0.4

33. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN, U.O.N. CONDUCTORS IN CONDUIT EXPOSED ON THE ROOF SHALL HAVE 90° INSULATION (THHN), #10 AND SMALLER SHALL BE SOLID TYPE, AND #8 AWG AND LARGER SHALL BE STRANDED.

34. TRANSFORMER INSULATION SHALL BE SUITABLE FOR 150° AVERAGE TEMPERATURE RISE. SEE SPECIFICATIONS FOR DETAILS.

35. ALL RECEPTACLE OUTLETS SERVING COMPUTER EQUIPMENT SHALL HAVE A SEPARATE ISOLATED, INSULATED GROUND WIRE - SEPARATED NEUTRAL FOR EACH CIRCUIT OR OVERSIZE NEUTRAL (#10) FOR MULTI-CIRCUITS.

36. ALL CONDUITS SHALL BE ELECTRICAL METALLIC TUBING AND RIGID STEEL CONDUIT ONLY. PROVIDE APPROPRIATE COUPLINGS, CONNECTORS AND OTHER FITTINGS AS REQUIRED.

37. EMERGENCY CIRCUITS SHALL BE ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER SAME RACEWAY, BOXES OR CABINETS WITH OTHER WIRING EXCEPT WHERE PROVIDED IN NEC 700-9B.

38. RECESSED FIXTURE IN FIRE RATED ASSEMBLY SHALL BE APPROVED PRIOR TO INSTALLATION UBC-4304.

39. BOXES SHALL BE SECURED AS PER ART 370-13.

40. ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING (i.e. MAX. FUSE SIZE MEANS FUSE PROTECTION REQUIRED), AND SHALL BE INSTALLED AS APPROVED.

41. ALL EQUIPMENT SHALL BE LISTED BY AN ACCEPTED TESTING LAB AND BEAR THE LISTING STICKER IN AN ACCESSIBLE LOCATION.

42. SUBMIT TORQUE CERTIFICATE FOR ALL ELECTRICAL EQUIPMENT/CONNECTIONS PRIOR TO CERTIFICATE OF OCCUPANCY ISSUANCE.

43. EACH CIRCUIT OF MULTI-WIRE BRANCH CIRCUITS (TWO OR MORE UNGROUNDED CONDUCTORS) SHALL HAVE ITS OWN DEDICATED NEUTRAL. SHARED NEUTRAL (COMMON NEUTRAL) OF MULTI-WIRE BRANCH CIRCUITS SHALL NOT BE PERMITTED.

BUREAU OF ENGINEERING
OFFICIAL RECORD

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dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8061

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER ANDREW H. INJO E-13884 Exp. 06/30/22 ELECTRICAL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 12/16/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: ELECTRICAL LEGEND AND NOTES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. E000-01

SHEET OF SHEETS

PLOTTED: 11/3/2021 11:33:06 AM

SCOPE OF WORK

PHASE 1A:

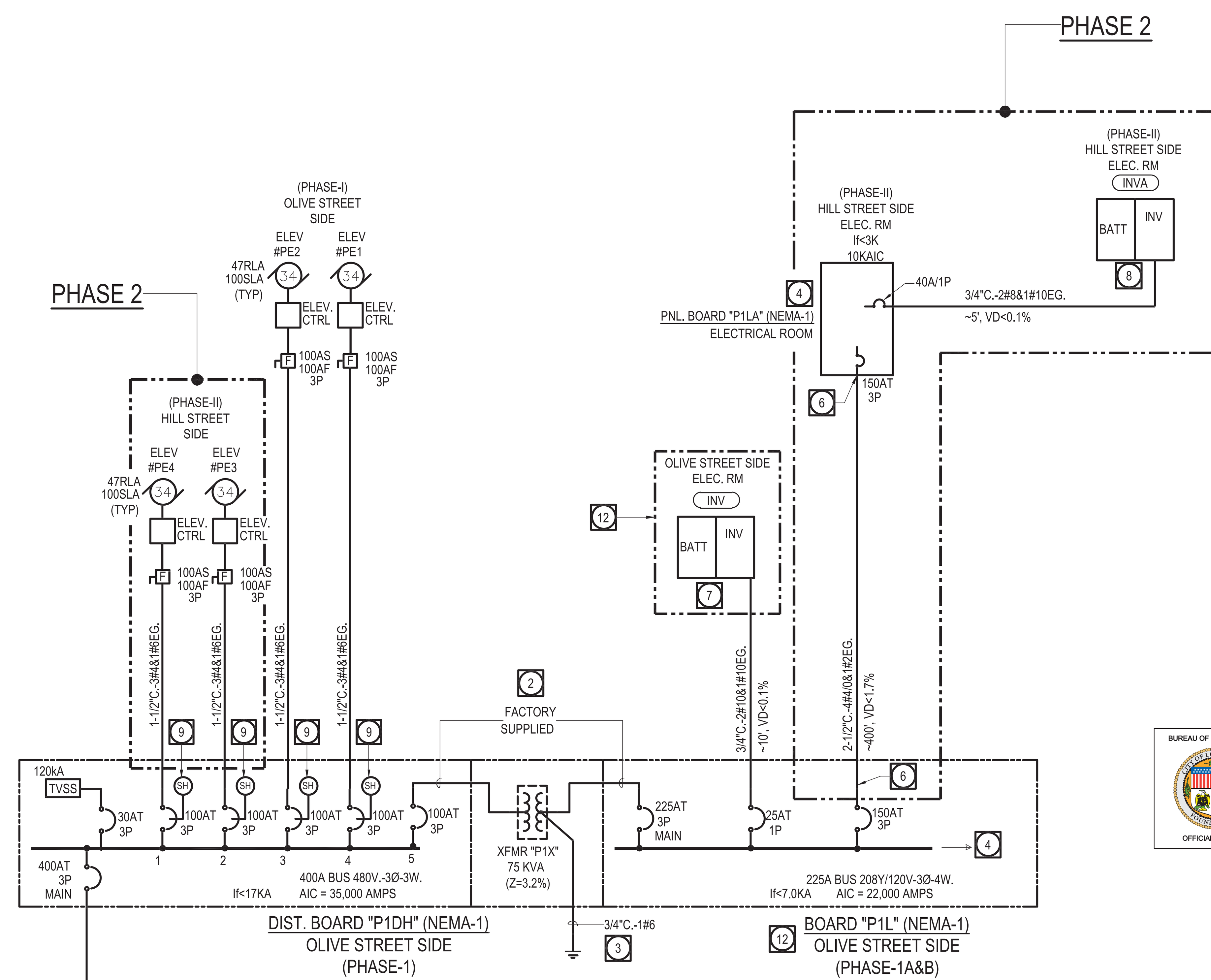
- REMOVED AND DEMOLISHED ALL THE EXISTING (8) ESCALATORS.
- INSTALL NEW SWITCHBOARD WITH 75KVA TRANSFORMER COMBO MERCHANDISE CONFIGURATION "P1DH"+"P1X"+"P1L".
- DISTRIBUTION SWITCHBOARD "P1DH" TO SERVE POWER FOR NEW (2) ELEVATORS, AIR CONDITIONERS, CONTROLS AND OTHER DEVICE/EQUIPMENT POWER REQUIRED IN THE RENOVATION SCOPE OF WORK AT GROUND LEVEL AND P1 THRU P3 LEVEL.
- PROVIDE COMPLETE BRANCH CIRCUIT WIRING FOR GENERAL USE RECEPTACLES, NEW GROUND LEVEL LANDSCAPE LIGHTING, CIRCULATION PATHWAY LIGHTING AT ELEVATOR LOBBIES AND STAIRS, ELECTRICAL & ELEVATOR MACHINE ROOMS, STORAGE AND AREA OF RENOVATIONS.
- PROVIDE INSTALLATION OF NEW DUPLEX SUMP PUMPS WITH CONTROL PANEL PER-PLUMBING PLAN.

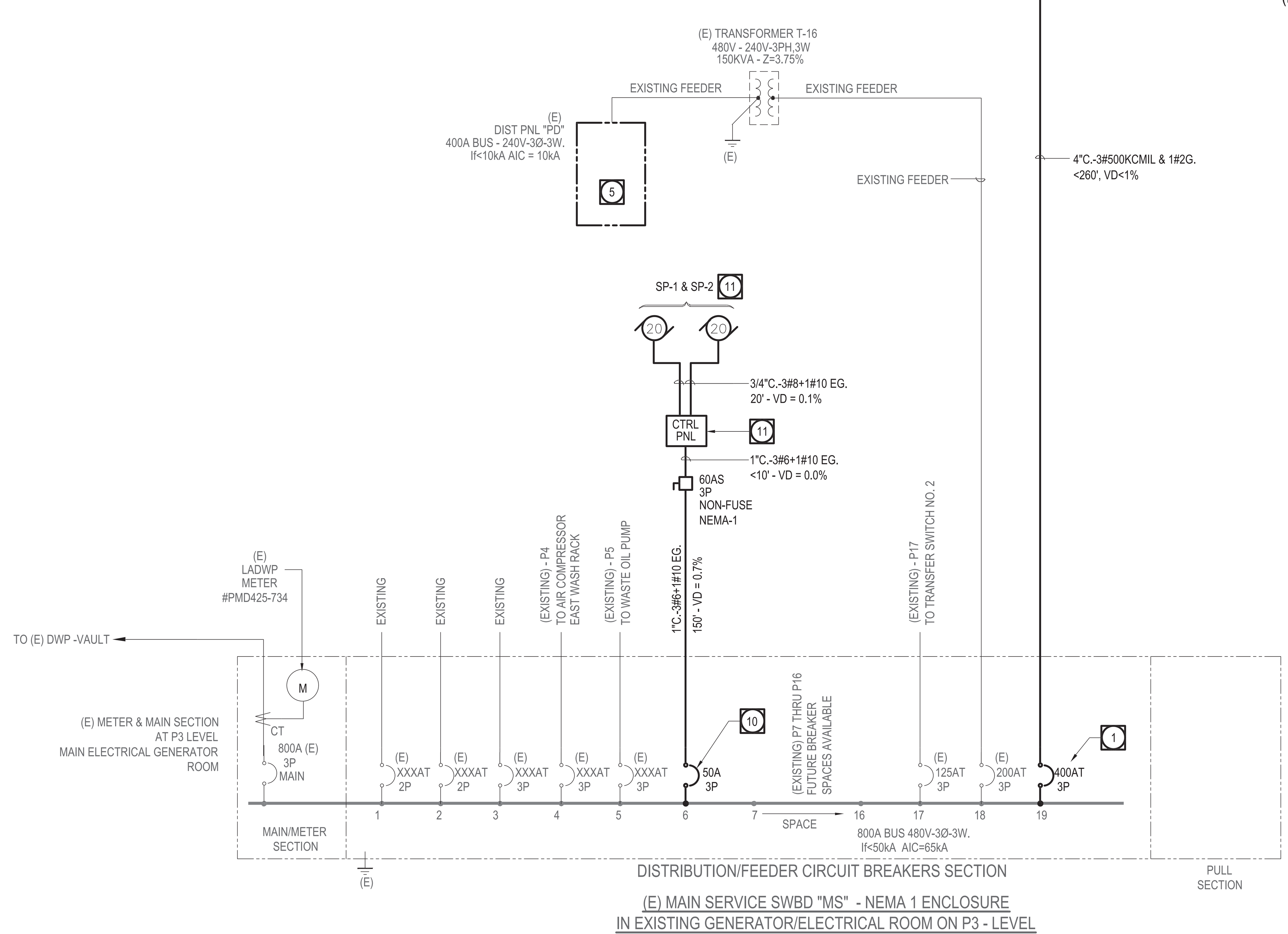
PHASE 1B:

- PROVIDE COMPLETE BRANCH CIRCUIT WIRING FOR NEW GROUND LEVEL LANDSCAPE LIGHTING UTILIZING EXISTING CIRCUIT ON PANEL "P1L", LIGHTING CONTROL PANEL "LCP1" AND INVERTER "INV" INSTALLED IN PHASE 1A. NO SIGNIFICANT LOAD CHANGES BESIDES THE ADDITIONAL 461 VA LIGHTING LOAD WHICH HAS ALREADY BEEN ADDED DURING PHASE 1A.

PHASE 2:

- INSTALL NEW PANELBOARD "P1LA" TO EXISTING BOARD "P1L" INSTALLED IN PHASE 1A.
- EXISTING DISTRIBUTION SWITCHBOARD "P1DH" TO SERVE POWER FOR ADDITIONAL NEW (2) ELEVATORS AND OTHER DEVICE/EQUIPMENT POWER REQUIRED IN THE RENOVATION SCOPE OF WORK AT GROUND LEVEL AND P1 THRU P3 LEVEL.
- PROVIDE COMPLETE BRANCH CIRCUIT WIRING FOR GENERAL USE RECEPTACLES, NEW GROUND LEVEL LANDSCAPE LIGHTING, CIRCULATION PATHWAY LIGHTING AT ELEVATOR LOBBIES AND STAIRS, ELECTRICAL & ELEVATOR MACHINE ROOMS, STORAGE AND AREA OF RENOVATIONS.





1 PARTIAL SINGLE LINE DIAGRAM - PHASE 1A & 1B & PHASE 2

SCALE: N.T.S.

Track Electrical Service Installation Status (LOS ANGELES DEPARTMENT OF WATER & POWER)

Address: 532 S OLIVE ST UNIT: 2, LOS ANGELES

Overall Job Progress:

20% Complete

Customer Station Meter Installation:

Meter Order Created	Completed On 12/08/2015
ESR Inspection Complete	PENDING
LADWP Verified Building and Safety Approval	PENDING
Meter Order Sent to Construction	PENDING
Meter Installed/Removed	PENDING

Additional Service Information:

Job Address: 532 S OLIVE ST UNIT: 2, LOS ANGELES
Work Request (Work Order) No: 1526401
Project ID: P263889
277/480 Volts, 3 Phase, 4 Wire
Meter Switch Amps: 800
Fault Current: 43000 Amps AIC
Contact the ESR, Nelson Cadenas, at () - for further information

Please contact the Connection Center at (213) EMPOWER or (213) 367-6937 if your questions are not answered.

© 2021 - Track Electrical Service Installation Status

1/1

SHEET NOTE:

1. ITEMS SHOWN "SCREENED" ARE EXISTING TO REMAIN, ITEMS SHOWN "BOLD" ARE NEW WORK WITH NEW EQUIPMENT TO BE PROVIDED.
2. ALL NEW SWITCHGEAR PRODUCTS BASIS OF DESIGN IS BY THE SCHNEIDER ELECTRIC - SQUARE D PRODUCTS - CONTACT : KEITH JOHNSON - PHONE: 844-939-7378
3. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE FULLY RATED TO WITHSTAND THE AVAILABLE FAULT CURRENT ("If"), SERIES RATED SYSTEM IS NOT ACCEPTABLE.

GENERAL NOTES:

SWITCHBOARD SUBMITTAL SHALL INCLUDE SHORT CIRCUIT, PROTECTIVE DEVICE COORDINATION STUDY AND ARC-FLASH STUDY. STUDIES SHALL BE PERFORM BY THE SWITCHGEAR MANUFACTURER ENGINEERING DEPARTMENT. STUDIES RESULT RECOMMENDATION AND PROPOSED SET-UP FOR SELECTIVE COORDINATION SHALL ALSO INCLUDE ARC-FLASH WARNING LABEL PERTAINING INCIDENT ENERGY LEVEL AND PPE REQUIREMENTS AT EACH EQUIPMENT.

1. ALL CIRCUIT BREAKERS SHALL BE 3 POLES - MCCB TYPE CIRCUIT BREAKER, UNLESS OTHERWISE NOTED.
2. MINIMUM CIRCUIT BREAKER AMPERE INTERRUPTING CAPACITY SHALL BE 10,000 AMPS FOR 208/120V-3PH-4W BRANCH CIRCUIT PANEL BOARD, AND 14,000 AMPS FOR 480/277V-3PH-4W LIGHTING PANELBOARD IF NONE IS SHOWN.
3. FEEDER LENGTHS ARE SHOWN FOR CALCULATION PURPOSES ONLY AND SHALL NOT BE USED FOR BIDDING/MATERIAL TAKE-OFF.
4. PROVIDE FULLY RATED OVERLOAD PROTECTION DEVICE/ CIRCUIT BREAKER SYSTEM, SERIES RATED CIRCUIT BREAKERS WILL NOT BE PERMITTED.
5. FUSES FOR MOTOR SERVICE DISCONNECT SWITCH SHALL BE TIME DELAY AND DUAL ELEMENT TYPE.
6. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.

BUREAU OF ENGINEERING
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REFERENCE NOTES:

1. REPLACE EXISTING UNUSED BREAKER WITH NEW COMPATIBLE 400AT/3P CIRCUIT BREAKER MATCHING EXISTING TYPE AND AIC-RATING. AIC RATING OF NEW CIRCUIT BREAKER SHALL NOT BE LESS THAN 65,000 AMPS RMS AT 480VAC-3PH, 60 HZ.
2. PROVIDE SWITCHBOARDS WITH TRANSFORMER COMBO MERCHANDISE CONFIGURATION, "P1DH"+"P1X"+"P1L" EQUAL TO "INTEGRATED POWER CENTER" (IPC2) BY SQUARE D.
3. GROUNDING OF THE SECONDARY TRANSFORMER Xo (SEPARATE DERIVED SYSTEM) SHALL BE BONDED TO NEAREST BUILDING STEEL (ASSUMED BUILDING STRUCTURAL STEEL IS PART OF GROUND ELECTRODE SYSTEM) , CONNECTION SHALL BE BY CADWELD. PRIOR TO BONDING WORK, CONTRACTOR SHALL VERIFY THE BUILDING STEEL GROUNDING POINT HAS MAX 5 OHMS GROUND RESISTANCE TO EARTH.
4. REFER TO SHEET E000-05 FOR PANEL SCHEDULE "P1L".
5. EXISTING DISTRIBUTION POWER PANEL BOARD "PD" SERVING THE (8) DEMOLISHED ESCALATORS, DEMOLISHED FEEDER (CONDUIT, WIRES, DISCONNECT SWITCHES AND DISCONNECT) OF THE FOLLOWING CIRCUITS:
   CIRCUIT #1 - ESCALATOR MOTOR #35 - HILL ST.
   CIRCUIT #2 - ESCALATOR MOTOR #37 - OLIVE ST.
   CIRCUIT #3 - ESCALATOR #36 - HILL ST.
   CIRCUIT #4 - ESCALATOR #38 - OLIVE ST.
   CIRCUIT #5 - ESCALATOR #33 - NORTH EAST
   CIRCUIT #6 - ESCALATOR #34 - NORTH WEST.
   CIRCUIT #7 - ESCALATOR #31 - SOUTH WEST
   CIRCUIT #8 - ESCALATOR #32 - SOUTH EAST
   CONTRACTOR TO VERIFY AND COMPLETE THE DEMOLITION WORK ON THE ABOVE CIRCUITS PRIOR TO ENERGIZE DISTRIBUTION BOARD "P1DH"
6. MAIN BREAKER INCOMING LUGS OF "P1LA" AND OUTGOING FEEDER BREAKER LUGS OF "P1L" SHALL HAVE ADEQUATE LUG'S CAPACITY FOR FEEDER CABLE SIZE AND QUANTITY AS INDICATED, PROVIDE POLARIS PRE-INSULATED MULTI-TAP CONNECTOR AS REQUIRED. GUTTER SPACE SHALL BE PROVIDED FOR PANEL "P1LA" TO ACCOMMODATE THE INSULATED CONNECTORS.
7. PROVIDE UL924 -2.1KVA 120VAC/120VAC EMERGENCY LIGHTING INVERTER (CRUCIAL POWER PRODUCTS #WR3.0A0100N1-VA-(8)OCB) WITH 8 OCB, N/O & N/C DRY CONTACTS, CERTIFIED ZONE 4 SEISMIC BRACKET. FIELD VERIFY EXACT LOCATION.
8. PROVIDE UL924 - 3.5KVA 120VAC/120VAC EMERGENCY LIGHTING INVERTER (CRUCIAL POWER PRODUCTS #WR5.0A0100N1-VA-(8)OCB) WITH 8 OCB, N/O & N/C DRY CONTACTS, CERTIFIED ZONE 4 SEISMIC BRACKET. FIELD VERIFY EXACT LOCATION.
9. PROVIDE SHUNT TRIP 120VAC COIL FOR AUTOMATIC ELEVATOR POWER SHUT DOWN PRIOR TO ELEVATOR MACHINE ROOM SPRINKLER ACTIVATION. COORDINATE WITH FIRE ALARM CONTRACTOR FOR INTERFACE ADDRESSABLE OUT RELAY CONTROL CONNECTION TO SHUNT TRIP 120VAC POWER CIRCUIT P1L-40.
10. PROVIDE NEW 50A/3P CB MATCHING EXISTING OTHER TYPE AND AIC RATING IN THE SWITCHBOARD, AIC RATING OF NEW BREAKER SHALL NOT BE LESS THAN 65,000 AMPS AT 480VAC-3PH, 60HZ.
11. DUPLEX SUMP PUMPS "SP 1 & 2" WITH CONTROL PANEL SUPPLIED UNDER DIV. 22. EACH SUMP PUMP MOTOR SHALL BE 20HP-460V, 3PH., 60HZ. CONTROL PANEL SHALL INCLUDE MECHANICAL ALTERNATOR (TO OPERATE ALTERNATELY ONE PUMP ONLY AT ANY TIME), MAGNETIC STARTER WITH OVERLOAD PROTECTION & AUTOMATIC CONTROL WITH FLOAT SWITCH. FIELD COORDINATE FOR CONTROL CONNECTION REQUIREMENTS.
12. EXISTING PANEL BOARD AFFECTED ON THIS PROJECT. REFER TO PANEL SCHEDULE WITH REVISED/ADDED LOADS. PROVIDE NEATLY TYPED PANEL DIRECTORY WITH DATE OF COMPLETION ON PANEL PRIOR TO PROJECT CLOSE-OUT.

19763
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150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES
NO. | REVISIONS: | DATE: | BY:
BUILDING NO.
INDEX NO. MF-300492
REGISTERED PROFESSIONAL ENGINEER ANDREW H. INJO E-13884 Exp. 06/30/22 ELECTRICAL STATE OF CALIFORNIA
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE: 12/16/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PARTIAL SINGLE LINE DIAGRAM
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013
WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. E000-02
SHEET OF SHEETS
PLOTTED: 11/5/2021 8:25:12 AM

SYMBOL	TYPE	DESCRIPTION	LOCATION	MANUFACTURER & CATALOG #	LIGHT SOURCE	WATTS	VOLTAGE	LOAD TYPE	DIM TYPE	REMARKS
	AL1	Tree mounted LED adjustable bullet with treestrap mounting accessory	Pershing Square Phase 1A	HK ZXL11-B-GSA-24V MOD-7-30-27-BZ-OSL TM120-TS	Integral 3000K LEDs	7	24V	LED	MLV	Fixture to be mounted on tree strap mounting accessory to be mounted on tree branch. Locations to be field determined Manufacturer is providing modified 24V fixture.
	BL1	Landscape mounted modular LED light pole: Head: -1x Light Source at top of pole. -3000K Color Temperature -Dimmable - 0-10V -Clear acrylic cylinder diffuser -Type 3 distribution Pole: -16' High Pole - Overall Height	Pershing Square Phase 2	LUMINIS CL621-L1L20-R3-CLP6166-[VOLTAGE]-[FINISH]	Integral 3000K LEDs	26	120 or 277V	LED	0-10V	Provide all required structural base below grade for pole to mount flush with finish ground material.
	BL1A	Landscape mounted modular LED light pole: Head: -1x Light Source at top of pole. -3000K Color Temperature -Dimmable - 0-10V -Clear acrylic cylinder diffuser -Type 5 distribution Pole: -16' High Pole - Overall Height	Pershing Square Phase 2	LUMINIS CL621-L1L20-R5-CLP6166-[VOLTAGE]-[FINISH]	Integral 3000K LEDs	28	120 or 277V	LED	0-10V	Provide all required structural base below grade for pole to mount flush with finish ground material.
	BH1	Landscape mounted modular LED light pole: Head: -1x Light Source at top of pole. -3000K Color Temperature -Dimmable - 0-10V -Clear acrylic cylinder diffuser -Type 5 distribution Pole: -12' High Pole - Overall Height	Pershing Square Phase 1A Phase 1B	LUMINIS CL621-L1L20-R5-CLP6118-[VOLTAGE]-[FINISH]	Integral 3000K LEDs	28	120 or 277V	LED	0-10V	Provide all required structural base below grade for pole to mount flush with finish ground material.
	FS1	Surface mount linear 4' back of house LED downlight with integral driver	Pershing Square Phase 1A, 1B, 2	Lithonia ZL1D-L48-SMR-5000LM-FST-MVOLT-40K-80CRI	Integral 4000K LEDs	41	120 - 277V	LED	0-10V	REFER TO FIXTURE SCHEDULE NOTE #5.
	GL1	Landscape-mounted in-grade adjustable LED uplight, with integral dimmable driver	Pershing Square Phase 1A, 1B, 2	HK ZXG-LED-10-24V MOD-30-42-[FINISH]-LVR-NSL	Integral 3000K LEDs	10	24VAC	LED	0-10V	Manufacturer is providing modified 24V fixture, so that fixture will be powered from remote driver located in VLT - Constant Current Power Panel
	LR1	Linear LED tapelight with mounting channel, flat pixel free lens, line voltage dimmable fixture, INTEGRATED AC/DC RECTIFIER Refer to plans for actual lengths. REQUIRED LIGHT LEVEL IS 10 FOOTCANDLES AT THE ELEVATOR LANDING	Pershing Square Phase 1A Phase 1B	KELVIX TAPELIGHT: RX-30K-500-[POWER FEED]-120V-[LENGTH] MOUNTING CHANNEL: RX-CH-TL-2-FL LCX-1041 MODULE - 0-10V VANDAL RESISTENT	Integral 3000K LEDs	6 w/lf	120V	LED	0-10V	Fixture to be integrated into elevator canopy detail, and installed to be vandal proof. Fixture to be sealed at factory, so that lens will not be removeable onsite. Mounting channel to have modification to have set screw installation either on the sides of the channel or the center Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
	LR2	Linear LED downlight integrated into elevator shaft mullions, with integral dimmable driver	Pershing Square Phase 1A Phase 1B	A-Light ACL3-PR[LENGTH]-C_2.4watts/ft-30-U-HE-R-[FINISH]-D	Integral 3000K LEDs	2.4 w/lf	120 - 277V	LED	0-10V	Architect to confirm FINISH. Fixture to have illuminanted corners, and be custom shape to fit around dimensions of elevator shaft.
	LR4	Linear LED tapelight with mounting channel, clear lens, line voltage dimmable fixture, INTEGRATED AC/DC RECTIFIER Refer to plans for actual lengths.	Pershing Square Phase 1A Phase 1B	KELVIX TAPELIGHT: RX-30K-250-[POWER FEED]-120V-[LENGTH] MOUNTING CHANNEL: CH222-[LENGTH]-[VANDAL PROOF MOUNTING]-EC LCX-1041 MODULE - 0-10V VANDAL RESISTENT	Integral 3000K LEDs	3 w/lf	120V	LED	0-10V	Fixture to be integrated onto top of elevator canopy behind lip to illuminate signage Fixture to be sealed at factory, so that lens will not be removeable onsite. Mounting channel to have modification to have set screw installation either on the sides of the channel or the center Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
	LS1	Linear surface mount LED downlight with vandal resistant lens and housing, illuminated corners, integral dimmable driver Refer to plans for actual lengths.	Pershing Square Parking Garage Phase 1A, 2	A-Light ACL3-PR[LENGTH]-LS-40-U-HE-F-[FINISH]-D	Integral 4000K LEDs	4.5 w/lf	120 - 277V	LED	0-10V	Architect to confirm FINISH. Fixture to be surface mounted on underside of parking garage ceiling structure. Fixture to have illuminanted corners, and be custom shape to fit around dimensions of elevator shaft Fixture to be provided with vandal resistant housing and shatterproof acrylic lens Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
	LS1A	8' Linear surface mount LED downlight with vandal resistant lens and housing, integral dimmable driver	Pershing Square Parking Garage Phase 1A, 2	A-Light ACL3-S[LENGTH]-LS-40-U-HE-S-[FINISH]-D	Integral 4000K LEDs	36	120 - 277V	LED	0-10V	Architect to confirm FINISH. Fixture to be surface mounted on underside of parking garage ceiling structure. Fixture to be provided with vandal resistant housing and shatterproof acrylic lens
	LS2	Linear surface mount LED downlight with wall wash optics, vandal resistant lens and housing, integral dimmable driver Refer to plans for actual lengths.	Pershing Square Phase 1A	A-Light ACL3-S[LENGTH]-LS-40-U-HE-S-[FINISH]-D	Integral 4000K LEDs	4.5 w/lf	120 - 277V	LED	0-10V	Architect to confirm FINISH. Fixture to be surface mounted on underside of parking garage ceiling structure. Fixture to be provided with vandal resistant housing and shatterproof acrylic lens
	LS3	Surface mount linear fixture to integrate into signage and side wall Refer to plans for actual lengths.	Pershing Square Phase 1A Phase 2	luminii BOSW-[LENGTH]-30K-SO-G-[MOUNTING]-[FINISH]-[POWER FEED]	Integral 3000K LEDs	3.25 w/lf	24V	LED	0-10V	installed to be vandal proof
	SS1	Linear striplight with curvable channel for circular planters Refer to plans for actual lengths.	Pershing Square Phase 1A	Beulux LLLS-31-30 LLLS02-CAL LLLS02-MC VLT Constant Current Power Panel	Integral 3000K LEDs	4 w/lf	24V	LED	0-10V	installed to be vandal proof Fixture will be powered from remote driver located in VLT - Constant Current Power Panel

SYMBOL	TYPE	DESCRIPTION	LOCATION	MANUFACTURER & CATALOG #	LIGHT SOURCE	WATTS	VOLTAGE	LOAD TYPE	DIM TYPE	REMARKS
	WR1	Recessed wall steplight with integral dimmable driver	Pershing Square Phase 1A	Bega 33-055-K3-SLV	Integral 3000K LEDs	9	120VAC	LED	0-10V	Architect to confirm FINISH.
	WR2	Recessed wall steplight with integral dimmable driver	Pershing Square Phase 2	Bega 24-062-K4-FINISH Alternate fixture option: Targetti Lighting	Integral 4000K LEDs	20	120 - 277V	LED	0-10V	
	WS1	Wall sconce	Pershing Square Phase 1A	Landscapeforms AH-004L3-100F-30K-UV1-MW1	Integral 3000K LEDs	28	120VAC	LED	0-10V	installed to be vandal proof
	WS2	Wall mounted LED wallpack with integral driver	Pershing Square Phase 2	Lithonia WST LED-P2-30K-VF-MVOLT-DMG OPTIONS: BBW	Integral 3000K LEDs	30	120 - 277V	LED	0-10V	CONTRACTOR TO CONFIRM IF SURFACE MOUNT BACK BOX IS REQUIRED
	WS3	Wall mounted LED sconce with wide elliptical downlight optics and integral dimmable driver	Pershing Square Phase 2	TARGETTI ST-10-W-FL-[FINISH]-M-E2-30-	Integral 3000K LEDs	24	120 - 277V	LED	0-10V	installed to be vandal proof
	F2	ELEVATOR PIT LIGHT	ELEVATOR PIT	CANLET #02-20W-LED-P-F-OG-09	4000K	20	120 - 277V	LED	0-10V	NEAM 4X Type Fixture- install at/below +48"AFF

FIXTURE SCHEDULE NOTES:

1. THE FIXTURE SCHEDULE INDICATES GENERAL DESCRIPTIONS OF LIGHTING FIXTURE AND SPECIFIC MANUFACTURER CATALOG NUMBERS. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO VERIFY EACH FIXTURE'S EXACT LOCATION AND PROVIDE WITH NECESSARY TRIMS AND MOUNTING HARDWARE MATCHING REFLECTED CEILING PLAN AND CEILING SYSTEM PER-ARCHITECTURAL DRAWINGS.
2. WHERE ONLY ONE FIXTURE TAG SHOWN IN AN AREA OR ROOM ON THE LIGHTING PLAN, THE TAG SHALL APPLY TO ALL FIXTURES IN THAT AREA OR ROOM, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE IN THE SHOP DRAWING SUBMITTAL ALL CUT-SHEETS OF THE SPECIFIED LIGHTING FIXTURES WITH SPECIFIC LED LUMEN OUTPUT, CRI AND COLOR TEMPERATURE INDICATED ON SCHEDULE AS BASE BID PACKAGE. ANY SUBSTITUTION SHALL BE ACCOMPANIED BY COMPARISON CHARACTERISTIC MATRIX SHEET TO THE SPECIFIED FIXTURE WITH THE PROPOSED CREDIT TO OWNER FOR CONSIDERATION.
4. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE INSTALLATION OF LIGHT FIXTURE LOCATION IN MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT ROOMS WHERE CONDUITS, DUCT WORKS, PIPING AND ETC. ARE PRESENT TO AVOID CONFLICT AND ENABLE PROPER OPTIMAL ILLUMINATION DISTRIBUTION IN THE ROOM.
5. IF REQUIRED BY SITE CONDITION TO BE CHAINED HUNG, CONTRACTOR TO PROVIDE REQUIRED BRACINGS FOR CHAIN HUNG MOUNTED FIXTURE TYPE "FS1" TO PREVENT FIXTURE/BUILDING ELEMENT/OTHER EQUIPMENT DAMAGE UPON EARTHQUAKE SWINGING IMPACT.
6. REFER TO "LOCATION" COLUMN IN FIXTURE SCHEDULE FOR PHASE. SOME FIXTURES LISTED NOT USED IN ALL PHASES OF THE PROJECT AND SHOWN FOR REFERENCE ONLY.

BUREAU OF ENGINEERING
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150 S. ARROYO PARKWAY
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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492



CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/15/2021

ARCHITECTURAL DIVISION LIC. NO. C23665

ARCHITECT: DEBRA GEROD

DESIGNED BY: dHA+CALPEC

DRAWN BY: dHA+CALPEC

CHECKED BY: KOJAI

APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: LIGHTING FIXTURE SCHEDULES

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

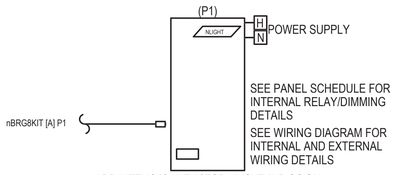
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. E000-03

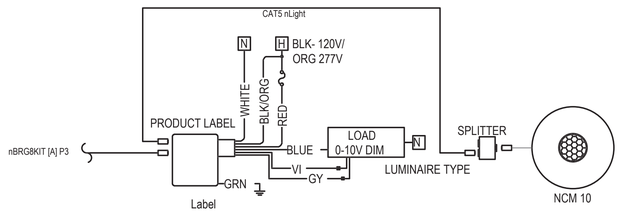
SHEET OF SHEETS

PLOTTED: 11/3/2021 11:33:17 AM



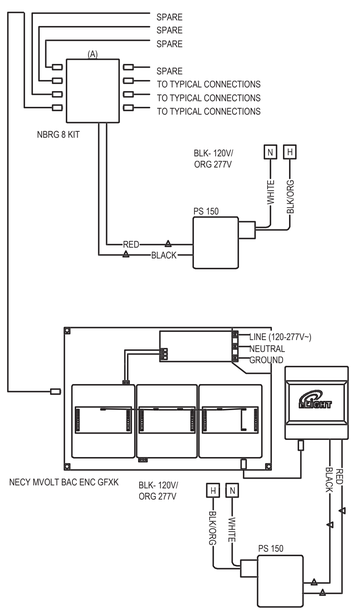
NBRG-8 KIT CONNECTION TO RELAY PANEL

N.T.S.



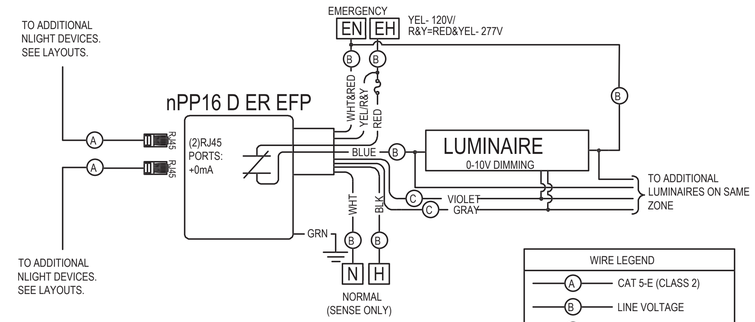
OCCUPANCY SENSOR NCM10 - CONTROL WIRING DIAGRAM

N.T.S. (FOR DIMMING CONTROL IF NO ACTIVITY DETECTED AFTER HOURS)



GRAPHIC DISPLAY CONTROLLER WIRING DIAGRAM

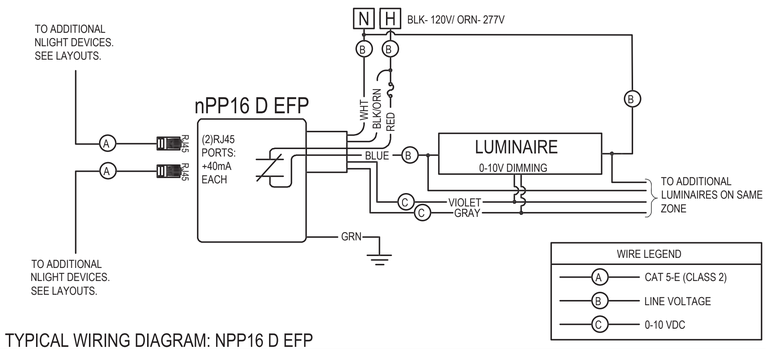
N.T.S. (FOR SETTING UP IP ADRESS, TIME CLOCK, DIAGNOSTICS)



TYPICAL WIRING DIAGRAM: NPP16 D ER EFP

N.T.S.

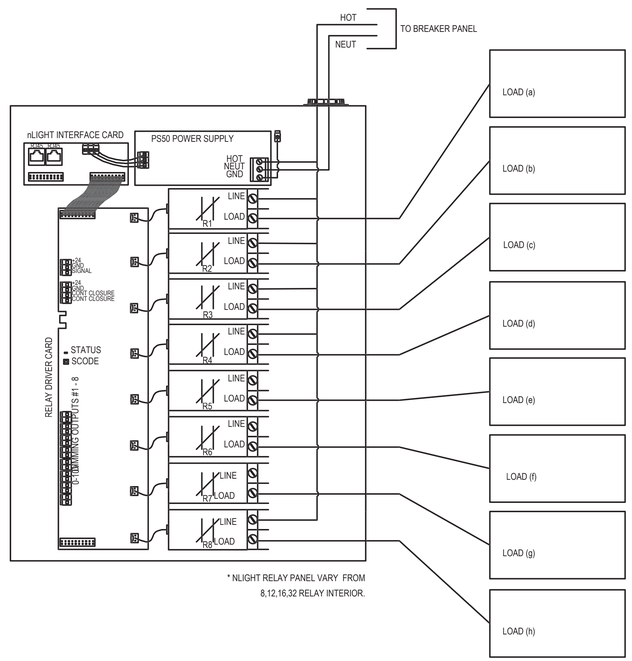
(TYPICAL FOR EGRESS ASSIGN FIXTURE WIRING DIAGRAM)



TYPICAL WIRING DIAGRAM: NPP16 D EFP

N.T.S.

(TYPICAL FOR NORMAL POWER LIGHTING FIXTURE WIRING DIAGRAM)



* NLIGHT RELAY PANEL VARY FROM 8,12,16,32 RELAY INTERIOR.

ARP INTENC08 NLT 8FCR/8SPR

N.T.S. (TYPICAL LIGHTING CONTROL RELAY PANEL - 8 RELAYS SHOWN)

Project: PERSHING SQUARE PLAZA RENOVATIONS

nLIGHT CONTROL DEVICE SYMBOL LIST

n BRG 8KIT	BG1 NBRG 8 KIT Bridge, Kit
nP 16D	DP1 NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
nCM 10	OS1 NCM 10 Low Voltage Ceiling Mount Sensor, Large Motion / Extended Range 360 Lens
LCPX	PL1 ARP INTENC32 NLT 32FCR MVOLT 1VB HLK SM Acuity Relay Panel, Include INT and ENC, 32-Size, nLight, 32-field configurable relays, 120-277 VAC, 1 Voltage Barrier, Hinge Locking Cover, Surface Mount
nECY BG	SC1 NECY MVOLT BAC ENC GFXK nLight Eclypse, 120-277 VAC, BACnet, 14 1/4"H x 14 1/4"W x 4"D metal enclosure for ECLYPSE EnergySyte or nLight ECLYPSE., NGWY2 GFX and PS 150 power supply with CAT5 cable

BASIS OF DESIGN:

LIGHTING CONTROL BASIS OF DESIGN FOR PERSHING SQUARE PLAZA RENOVATIONS :

INTERIOR LIGHTING:

A. ELEVATOR LOBBY AND CONNECTION CORRIDORS TO ACCESS STAIRS SHALL BE CONTROLLED BY DIMMING RELAY IN THE PROGRAMMABLE TIME-CLOCK (32) RELAY PANEL WITH DIGITAL GRAPHIC WALL STATION CONTROL IN THE ELECTRICAL ROOM. AFTER HOURS LIGHTS SHALL BE DIMMED TO 50% IF NO ACTIVITY DETECTED BY CEILING OCCUPANCY SENSOR.
THE LIFE SAFETY EGRESS ASSIGNED LIGHTS SHALL BE CONTROLLED IN THE SAME MANNER WITH NORMAL LIGHTS WITH THE ADDITIONAL EMERGENCY DIMMING RELAY.
LIGHTS NOTED TO BE AFFECTED BY DEMAND RESPONSE SHALL HAVE A LIGHTING POWER REDUCTION OF A MINIMUM OF 15%.

B. STAIR LIGHTING SHALL BE CONTROLLED BY DIMMING RELAY AND PASSIVE INFRARED CEILING AND WALL OCCUPANCY SENSOR WITH SHUNT EMERGENCY POWER CONTROL FOR EGRESS LIGHTING. LIGHTS SHALL BE DIMMED TO 50% IF NO OCCUPANCY DETECTED IN THE STAIR AREA, LOCAL AREA OVERRIDE DIGITAL SWITCH NOT REQUIRED.

C. ELECTRICAL ROOM, ELEVATOR MACHINE , AND MECHANICAL ROOMS SHALL BE ON MANUAL WALL ON/OFF NON-DIMMING WALL SWITCH.

EXTERIOR LIGHTING:

A. PLAZA EXTERIOR LIGHTS SHALL BE CONTROLLED BY DIMMING RELAY IN THE PROGRAMMABLE ASTRONOMICAL TIME-CLOCK RELAY PANEL IN THE ELECTRICAL ROOM WITH EXTERIOR MOUNTED PHOTO SENSOR; "ON" BY PHOTO-SENSOR AND "OFF" AT PROGRAMMED SET TIME. EGRESS ASSIGNED LIGHTS SHALL BE CONTROLLED WITH ADDITIONAL SHUNT EMERGENCY POWER RELAY.

B. GRAPHIC CONTROL STATION FOR SETTING AND PRE-PROGRAMMED SCENES ON DIMMING OF VARIOUS ZONES LIGHTS WILL BE PROVIDED IN THE ELECTRICAL ROOM AND STRATEGICALLY LOCATED IN THE PLAZA LEVEL.

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CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE	BY

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
ANDREW R. IWIG
E-13884
Exp. 06/30/22
ELECTRICAL
STATE OF CALIFORNIA

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — DATE: 12/16/2021
ARCHITECTURAL DIVISION — LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: LIGHTING CONTROL DETAILS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST,
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. E000-04

SHEET SHEETS OF

PLOTTED: 11/3/2021 11:33:20 AM

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REVISION DATES:
(DESIGN STAFF USE ONLY)

REVISION DATE:

(E) MAIN SWITCHBOARD "MS", LADWP METER #PMD425-734
480V, 3P, 3W 800AMP MAIN

					@ 480V 3PH
A.	MAX DEMAND LOAD FROM 12 MONTH CYCLE JUN-2020 THROUGH MAY-2021 WITH ASSUMED 90% PF	=	73.3	KVA	88.2 AMPERES
B.	125% SAFETY FACTOR	=	91.7	KVA	110.3 AMPERES
C.	ADJUSTED LOAD				
	1) DIST. BOARD "P1DH" INCLUDING LOADS FOR ALL PHASES (1A, 1B, AND 2)	=	207.5	KVA	249.6 AMPERES
	2) DUPLEX SUMP PUMPS SP 1 & 2 (ONLY ONE PUMP RUNNING AT ANY TIME)	=	21.8	KVA	27.0 AMPERES
D.	TOTAL DEMAND LOAD (150% + ADDED LOAD)	=	299.2	KVA	386.9 AMPERES
E.	BOARD HAS MAX AMPACITY OF 800 AMP (FEEDER OPD)		48.36	% AMPACITY	

MAIN SWITCHBOARD "MS" SHALL HAVE ADEQUATE AMPACITY FOR ADDITIONAL LOAD ADDED.

DIST. BOARD "P1DH"
480V, 3P, 3W 400AMP MAIN

					@ 480V 3PH
A.	NEW LOAD				
	1) ELEV PE4 (PHASE 2 FUTURE LOAD)	=	39.1	KVA	47.0 AMPERES
	2) ELEV PE3 (PHASE 2 FUTURE LOAD)	=	39.1	KVA	47.0 AMPERES
	3) ELEV PE2 (PHASE 1A)	=	39.1	KVA	47.0 AMPERES
	4) ELEV PE1 (PHASE 1A)	=	39.1	KVA	47.0 AMPERES
	5) XFMR "P1X" (P1L) (PHASE 1A)	=	51.2	KVA	61.6 AMPERES
B.	TOTAL DEMAND LOAD (ADDED LOAD)	=	207.5	KVA	249.6 AMPERES
C.	BOARD HAS MAX AMPACITY OF 400 AMP (FEEDER OPD)		62.41	% AMPACITY	

PHASE 1A & 1B ONLY, SHOWN FOR REFERENCE ONLY IN PHASE 2 PROJECT.

PERSHING SQUARE RENOVATION
LIGHTING CONTROL PANEL "LCP1"

RELAY ZONE	PNL + CKT #	QTY	LF (RND UP)	FIXTURE TYPE	DIMMER TYPE	FIXTURE VOLTAGE	WATTS	DESCRIPTIONS	NOTES
101	P1L-30		24	LS3	0-10V	120V	78	WALL MTD LINEAR LIGHT FOR STAIRS	(1)
102	P1L-28		6	LR4	0-10V	120V	18	ABOVE ELEVATOR LANDING	(1)
103	P1L-26	10		SS1	0-10V	120V	1120	CURVABLE PLANTER LED STRIP-GND LVL	(1)
104	P1L-30	20		GL1	0-10V	120V	200	IN GRADE UP LIGHTS - GND LVL	(1)
105	P1L-30	20		AL1	MLV	120V	140	TREE MTD LED LIGHTS - GND LVL	(1)
106	P1L-28		24	LR1	0-10V	120V	144	ELEV HEADER LTS - GND LVL	(1)
107	P1L-28		86	LR2	0-10V	120V	206.4	ELEV SHAFT MULLION LTS - GND LVL	(1)
108	P1L-30	26		GL1	0-10V	120V	260	IN GRADE UP LIGHTS - GND LVL	(1)
109	P1L-30	21		AL1	MLV	120V	147	TREE MTD LED LIGHTS - GND LVL	(1)
110	P1L-28	8		WR1	0-10V	120V	72	RAMP STEP LIGHTS - GND LVL	(1)
111	P1L-24		46	LS1	0-10V	120V	207	LINEAR DN LIGHT PERIMETER ELEV - PKG LVL 1	(1)(2)
112	P1L-25		48	LS1A	0-10V	120V	216	LINEAR DN LIGHT CEILING - PKG LVL 1	(1)(2)
113	P1L-27		86	LS2	0-10V	120V	387	WALLWASH LIGHT CEILING - PKG LVL 1	(1)(2)
114	P1L-24		49	LS1	0-10V	120V	220.5	LINEAR DN LIGHT PERIMETER ELEV - PKG LVL 2	(1)(2)
115	P1L-29		40	LS1A	0-10V	120V	180	LINEAR DN LIGHT CEILING - PKG LVL 2	(1)(2)
116	P1L-31		86	LS2	0-10V	120V	387	WALLWASH LIGHT CEILING - PKG LVL 2	(1)(2)
117	P1L-24		49	LS1	0-10V	120V	220.5	LINEAR DN LIGHT PERIMETER ELEV - PKG LVL 3	(1)(2)
118	P1L-33		40	LS1A	0-10V	120V	180	LINEAR DN LIGHT CEILING - PKG LVL 3	(1)(2)
119	P1L-35		86	LS2	0-10V	120V	387	WALLWASH LIGHT CEILING - PKG LVL 3	(1)(2)
120	P1L-25		40	LS1A	0-10V	120V	180	LINEAR DN LTS DEMAND RESPONSE - PKG LVL 1	(1)(2)(4)
121	P1L-29		40	LS1A	0-10V	120V	180	LINEAR DN LTS DEMAND RESPONSE - PKG LVL 2	(1)(2)(4)
122	P1L-33		40	LS1A	0-10V	120V	180	LINEAR DN LTS DEMAND RESPONSE - PKG LVL 3	(1)(2)(4)
123					0-10V	120V		SPARE	
124					0-10V	120V		SPARE	
125					0-10V	120V		SPARE	
NORMAL / EMERGENCY VOLTAGE BARRIER									
126					0-10V	120V		SPARE	
127					0-10V	120V		SPARE	
128	INV-1	8		BH1	0-10V	120V	243.2	LIGHT POLE - GND LVL	(1)(3)
129	INV-1	4		BH1	0-10V	120V	121.6	LIGHT POLE - GND LVL	(1)(3)
130	INV-2	1		WS1	0-10V	120V	28	STAIR LIGHT - GND LVL	(1)(3)
131	INV-2		22	LS2	0-10V	120V	99	STAIR LIGHT - LVL 1-3	(1)(2)(3)
132					0-10V	120V	0	SPARE	

NOTES:
(1) PROGRAMMABLE SCHEDULED TIME CLOCK AND PHOTOCELL
(2) 50% DIMMING PER LOCAL nLIGHT OCCUPANCY SENSOR PER PLAN
(3) EGRESS LITES ON FULLY BRIGHT UPON NORMAL POWER FAILURE. EMERGENCY RELAYS SEPARATED BY VOLTAGE BARRIER
(4) LIGHTS SHALL BE TURNED OFF AS REQUIRED PER DEMAND RESPONSE.

PHASE 2 ONLY, SHOWN FOR REFERENCE ONLY IN PHASE 1A & 1B PROJECTS.

PERSHING SQUARE RENOVATION
LIGHTING CONTROL PANEL "LCP2"

RELAY ZONE	PNL + CKT #	QTY	LF (RND UP)	FIXTURE TYPE	DIMMER TYPE	VOLTAGE	WATTS	DESCRIPTIONS	NOTES
201	P1LA-20		15	LS3	0-10V	120V	48.8	WALL MTD LINEAR LIGHT FOR STAIRS	(1)
202	P1LA-20	52		GL1	0-10V	120V	520	IN GRADE UP LIGHTS - GND LVL	(1)
203	P1LA-28	2	52	LR1	0-10V	24V	324.0	ELEV HEADER LTS - GND LVL	(1)
204	P1LA-28		92	LR2	0-10V	120V	220.8	ELEV SHAFT MULLION LTS - GND LVL	(1)
205	P1LA-28		6	LR4	0-10V	120V	18	ABOVE ELEVATOR LANDING	(1)
206	P1LA-25		32	LS1A	0-10V	120V	144	LINEAR DN LIGHT CEILING - PKG LVL 1	(1)(2)
207	P1LA-27		48	LS1A	0-10V	120V	216	LINEAR DN LIGHT CEILING - PKG LVL 2	(1)(2)
208	P1LA-29		48	LS1A	0-10V	120V	216	LINEAR DN LIGHT CEILING - PKG LVL 3	(1)(2)
209	P1LA-25		24	LS1A	0-10V	120V	108	LINEAR DN LTS DEMAND RESPONSE - PKG LVL 1	(1)(2)(4)
210	P1LA-27		48	LS1A	0-10V	120V	216	LINEAR DN LTS DEMAND RESPONSE - PKG LVL 2	(1)(2)(4)
211	P1LA-29		48	LS1A	0-10V	120V	216	LINEAR DN LTS DEMAND RESPONSE - PKG LVL 3	(1)(2)(4)
212	P1LA-26	13			0-10V	120V	102	MAINTENANCE AREA LTG	(1)
213					0-10V	120V	0	SPARE	
214					0-10V	120V	0	SPARE	
215					0-10V	120V	0	SPARE	
216					0-10V	120V	0	SPARE	
217					0-10V	120V	0	SPARE	
218					0-10V	120V	0	SPARE	
219					0-10V	120V	0	SPARE	
220					0-10V	120V	0	SPARE	
NORMAL / EMERGENCY VOLTAGE BARRIER									
221	INVA-1	15		BL1	0-10V	120V	390	LIGHT POLE - GND LVL	(1)(3)
222	INVA-2	3		WR1	0-10V	120V	27	RAMP STEP LIGHTS - GND LVL	(1)(3)
		4		WR2	0-10V	120V	80	RAMP LIGHT - GND LVL	
223	INVA-2	1		WS1	0-10V	120V	28	STAIR LIGHT - GND LVL	(1)(3)
224					0-10V	120V	0	SPARE	
225					0-10V	120V	0	SPARE	
226	INVA-3		77	LS1	0-10V	120V	346.5	LINEAR DN LIGHT PERIMETER ELEV - PKG LVL 1	(2)(3)
227	INVA-4		86	LS1	0-10V	120V	387	LINEAR DN LIGHT PERIMETER ELEV - PKG LVL 2	(2)(3)
228	INVA-5		86	LS1	0-10V	120V	387	LINEAR DN LIGHT PERIMETER ELEV - PKG LVL 3	(2)(3)
229					0-10V	120V	0	SPARE	
230					0-10V	120V	0	SPARE	
231								SPACE	
232								SPACE	

NOTES:
(1) PROGRAMMABLE SCHEDULED TIME CLOCK AND PHOTOCELL
(2) 50% DIMMING PER LOCAL nLIGHT OCCUPANCY SENSOR PER PLAN
(3) EGRESS LITES ON FULLY BRIGHT UPON NORMAL POWER FAILURE. EMERGENCY RELAYS SEPARATED BY VOLTAGE BARRIER
(4) LIGHTS SHALL BE TURNED OFF AS REQUIRED PER DEMAND RESPONSE.

INCLUDING LOADS FOR ALL PHASES (1A, 1B, AND 2) 22KAIC

PANEL : P1L	PHASE : 3	WIRE : 4	MOUNTING : IPC-2
VOLTAGE : 208 / 120	LOCATION : ELEC RM		DISTANCE : 10 FT
BUS AMPERE : 225 AMP	FED FROM : XFMR "P1X"		POLES : 42
MAIN C/B : 225 AMP	MAIN TYPE : AUTO C/B		SPARE CAP : 25 %

CK NO	DESCRIPTION	LTG	REC	MTR	HTG	MIS	CIRCUIT BREAKER	CIRCUIT KVA A	CIRCUIT KVA B	CIRCUIT KVA C	CK NO
1	SPARE						20 / 1	0.00			1
2	nLIGHT ECLYPSE & LCP1 - ELEC RM					2	20 / 1	0.36			2
3	SPARE						20 / 1		0.00		3
4	GFCI RECEPT - ELEV MACH RM					1	20 / 1		0.50		4
5	CU-1 & FC-1 - ELEC RM - OLIVE			1			30 / 2			2.08	5
6	FSD POWER					2	15 / 1			0.10	6
7	W/ CKT #5						------ / 1	2.08			7
8	ELEV CABS LIGHTS/FANS - PE3/PE4					1	20 / 1	0.50			8
9	CU-2 & FC-2 - ELEV MACHINE RM - OLIVE			1			30 / 2		2.08		9
10	ELEV MACHINE/ELEC/FAN RM - OLIVE	11					20 / 1		0.45		10
11	W/ CKT #9						------ / ---			2.08	11
12	(*) SEISMIC SWITCH - PE3/PE4					1	20 / 1			0.50	12
13	ELEV PIT LIGHTS PE3/PE4	4					20 / 1	0.06			13
14	GFCI RECEPT - ELEV MACH RM - OLIVE		1				20 / 1	0.18			14
15	ELEV PIT GFCI RECEPT PE3/PE4		2				20 / 1		0.36		15
16	GFCI RECEPT - ELECTRICAL RM		1				20 / 1		0.18		16
17	CU-3 ELEV#1 SHAFT			1			45 / 2			3.00	17
18	LEVEL 1,2,3 STORAGE LTS - OLIVE	22					20 / 1			0.90	18
19	W/ CKT #17						------ / ---	3.00			19
20	FC-4 FOR ELEV #2 SHAFT			1			15 / 2	0.23			20
21	CU-4 ELEV #2 SHAFT			1			45 / 2		3.00		21
22	W/ CKT #20						------ / ---		0.23		22
23	W/ CKT #21						------ / ---			3.00	23
24	LEVEL 1,2,3 ELEVATOR PERIM LIGHTS	8					20 / 1			0.65	24
25	LEVEL 1 DN LIGHTS - OLIVE	11					20 / 1	0.40			25
26	CURVED PLANTER LTS	10					20 / 1	1.12			26
27	LEVEL 1 WALLWASH LIGHTS - OLIVE	2					20 / 1		0.39		27
28	ELEV HEADER, SHAFT, & RAMP LIGHTS	13					20 / 1		0.44		28
29	LEVEL 2 DN LIGHTS - OLIVE	10					20 / 1			0.36	29
30	(**) IN-GRADE & TREE UP LIGHTS, WALL LTS	88					20 / 1			0.83	30
31	LEVEL 2 WALLWASH LIGHTS - OLIVE	2					20 / 1	0.39			31
32	FC-3 FOR ELEV #1 SHAFT			1			15 / 2	0.23			32
33	LEVEL 3 DN LIGHTS - OLIVE	10					20 / 1		0.36		33
34	W/ CKT #32						------ / ---		0.23		34
35	LEVEL 3 WALLWASH LIGHTS - OLIVE	2					20 / 1			0.39	35
36	SPARE						20 / 1			0.00	36
37	SUB-FEED PANEL "P1LA" (HILL ST. SIDE)						100 / 3	5.37			37
38	INVERTER "INV" (2.1KVA)						25 / 1	2.10			38
39	W/ CKT #37						------ / ---		5.70		39
40	(*) SHUNT TRIP						20 / 1		0.00		40
41	W/ CKT #37						------ / ---			7.41	41
42	SPACE						------ / 1			0.00	42

CONN LOAD = 51.23 KVA		TOTAL BY PHASE (KVA) =	16.01	13.92	21.30
MIN FDR = 193 AMP	MIN C/B = 209 AMP	LGST MTR = 29 AMP		SPARE =	13.23 KVA
LCL(LTG+HTG) = 6.72 KVA	25% LCL = 1.68 KVA	CONN LOAD + 25% LCL =			52.91 KVA

(*) PROVIDE LOCKABLE CB
(**) EXISTING CB TO BE USED FOR PHASE 1B. LOAD ALREADY ADDED IN PHASE 1A PORTION OF PROJECT.

PHASE 2 ONLY, SHOWN FOR REFERENCE ONLY IN PHASE 1A & 1B PROJECTS. 10KAIC

PANEL : P1LA	PHASE : 3	WIRE : 4	MOUNTING : SURFACE
VOLTAGE : 208 / 120	LOCATION : ELEC RM		DISTANCE : 100 FT
BUS AMPERE : 100 AMP	FED FROM : P1L		POLES : 42
MAIN C/B : 100 AMP	MAIN TYPE : AUTO C/B		SPARE CAP : 25 %

CK NO	DESCRIPTION	LTG	REC	MTR	HTG	MIS	CIRCUIT BREAKER	CIRCUIT KVA A	CIRCUIT KVA B	CIRCUIT KVA C	CK NO
1	CU-6 & FC-6 - ELEV MACHINE RM - HILL			1			30 / 2	1.04			1
2	ELEV CAB LTS/FAN - PE1/PE2					1	20 / 1	0.50			2
3	W/ CKT #1		1				------ / ---		1.22		3
4	GFCI RECEPT - ELEV MACH RM					1	20 / 1		0.50		4
5	CU-5 & FC-5 -ELEC RM - HILL			1			30 / 2			1.04	5
6	SEISMIC SWITCH - PE1/PE2 (*)					1	20 / 1			0.50	6
7	W/ CKT #5						------ / 1	1.04			7
8	FC-8 ELEV SHAFT #3 - HILL			1			15 / 2	0.23			8
9	CU-8 ELEV SHAFT#3 - HILL			1			30 / 2		1.04		9
10	W/ CKT #10						------ / ---		0.23		10
11	W/ CKT #9						------ / ---			1.04	11
12	FC-7 ELEV SHAFT #4 - HILL			1			15 / 2			0.23	12
13	CU-7 ELEV SHAFT #4 - HILL			1			30 / 2	1.04			13
14	W/ CKT #12						------ / ---	0.23			14
15	W/ CKT #13						------ / ---		1.04		15
16	SPARE						20 / 1		0.00		16
17	ELEV PIT LIGHTS PE1/PE2	4					20 / 1			0.06	17
18	ELEC, ELEV MACH, STORAGE LIGHTS -HILL	9					20 / 1			0.43	18
19	ELEV PIT GFCI RECEPT PE1/PE2		2				20 / 1	0.36			19
20	IN-GRADE & WALL LIGHTS - HILL	54					20 / 1	0.57			20
21	LEVEL 1,2,3 STORAGE RM LTS	17					20 / 1		0.70		21
22	SPARE						20 / 1		0.00		22
23	LCP2 - ELEC RM					1	20 / 1			0.18	23
24	SPARE						20 / 1			0.00	24
25	**LEVEL 1 CEILING LTS**	7					20 / 1	0.25			25
26	MAINTENANCE AREA LTS	13					20 / 1	0.11			26
27	**LEVEL 2 CEILING LTS**	12					20 / 1		0.43		27
28	ELEV HEADER & SHAFT LIGHTS - HILL	3					20 / 1		0.54		28
29	**LEVEL 3 CEILING LTS**	12					20 / 1			0.43	29
30	SPARE						20 / 1			0.00	30
31	SPARE						20 / 1	0.00			31
32	SPARE						20 / 1	0.00			32
33	SPARE						20 / 1		0.00		33
34	SPARE						20 / 1		0.00		34
35	SPARE						20 / 1			0.00	35
36	SPARE						20 / 1			0.00	36
37	SPARE						20 / 1	0.00			37
38	SPARE						20 / 1	0.00			38
39	SPARE						20 / 1		0.00		39
40	SPARE						20 / 1		0.00		40
41	INVERTER "INVA" (3.5KVA)					1	40 / 1			3.50	41
42	SPARE						20 / 1			0.00	42

CONN LOAD = 18.49 KVA		TOTAL BY PHASE (KVA) =	5.37	5.70	7.41
MIN FDR = 71 AMP	MIN C/B = 90 AMP	LGST MTR = 11 AMP		SPARE =	4.84 KVA
LCL(LTG+HTG) = 3.53 KVA	25% LCL = 0.88 KVA	CONN LOAD + 25% LCL =			19.37 KVA

(*) PROVIDE LOCKABLE CB

PHASE 1A & 1B ONLY, SHOWN FOR REFERENCE ONLY IN PHASE 2 PROJECT.

INVERTER PNL: INV	PHASE : 1	WIRE : 3	MOUNTING : SURFACE
VOLTAGE : 120	LOCATION : ELEC. RM		DISTANCE : FT
BUS AMPERE : N/A AMP	FED FROM : PNL "P1L"		POLES : 8
MAIN C/B : N/A AMP	MAIN TYPE : N/A		SPARE CAP : %

CK NO	DESCRIPTION	LTG	REC	MTR	HTG	MIS	CIRCUIT BREAKER	CIRCUIT KVA A	CK NO
1	(*) GND LEVEL POLE LIGHTS - OLIVE	12					20 / 1	0.36	1
2	STAIR WAY LIGHTS	3					20 / 1	0.13	2
3	SPARE	0					20 / 1	0.00	3
4	SPARE						20 / 1	0.00	4
5	SPARE						20 / 1	0.00	5
6	SPARE						20 / 1	0.00	4
7	SPARE						20 / 1	0.00	5
8	SPARE						20 / 1	0.00	6

CONN LOAD = 0.49 KVA		TOTAL BY PHASE (KVA) =	0.49
MIN FDR = 5 AMP	MIN C/B = 5 AMP	LGST MTR = 0 AMP	SPARE 0.00 KVA
LCL(LTG+HTG) = 0.49 KVA	25% LCL = 0.12 KVA	CONN LOAD + 25% LCL =	0.61 KVA

(*) EXISTING CB TO BE USED FOR PHASE 1B. LOAD ALREADY ADDED IN PHASE 1A PORTION OF PROJECT.

PHASE 2 ONLY, SHOWN FOR REFERENCE ONLY IN PHASE 1A & 1B PROJECTS.

INVERTER PNL: INVA	PHASE : 1	WIRE : 3	MOUNTING : SURFACE
VOLTAGE : 120	LOCATION : ELEC. RM		DISTANCE : FT
BUS AMPERE : N/A AMP	FED FROM : PNL "P1LA"		POLES : 8
MAIN C/B : N/A AMP	MAIN TYPE : N/A		SPARE CAP : %

CK NO	DESCRIPTION	LTG	REC	MTR	HTG	MIS	CIRCUIT BREAKER	CIRCUIT KVA A	CK NO
1	GND LEVEL POLE LIGHTS - HILL	15					20 / 1	0.39	1
2	GND LEVEL STAIR,RAMP LTS	8					20 / 1	0.14	2
3	**LEVEL 1 PERIMETER LTS**	2					20 / 1	0.35	3
4	**LEVEL 2 PERIMETER LTS**	1					20 / 1	0.39	4
5	**LEVEL 3 PERIMETER LTS**	1					20 / 1	0.39	5
6	LEVEL 1 STAIR LTS	6					20 / 1	0.00	4
7	SPARE						20 / 1	0.00	5
8	SPARE						20 / 1	0.00	6

CONN LOAD = 1.65 KVA		TOTAL BY PHASE (KVA) =	1.65
MIN FDR = 15 AMP	MIN C/B = 15 AMP	LGST MTR = 0 AMP	SPARE 0.00 KVA
LCL(LTG+HTG) = 0.53 KVA	25% LCL = 0.13 KVA	CONN LOAD + 25% LCL =	1.78 KVA

BUREAU OF ENGINEERING
OFFICIAL RECORD

PANEL KEY			
LOAD CALCS	--	LCP1	LCP2
P1L	P1LA	INV	INVA

19763
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE:
REVISION DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:
BUILDING NO.
INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER ANDREW H. INJO E-13884 Exp. 06/30/22 ELECTRICAL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
DATE: 12/16/2021
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: PANEL AND LIGHTING RELAY SCHEDULES
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. E000-05
SHEET OF SHEETS

PLOTTED: 11/3/2021 11:33:31 AM

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.	
Project Name: PERSHING SQUARE PLAZA	Report Page: Page 1 of 8
Project Address: 532 S OLIVE ST, LOS ANGELES, CA 90013	Date Prepared: 9/8/2021

A. GENERAL INFORMATION

01	Project Location (city)	LOS ANGELES	04	Total Conditioned Floor Area (ft²)	11,211
02	Climate Zone	10	05	Total Unconditioned Floor Area (ft²)	14,975
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☐ School ☐ Support Areas
☑ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare ☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☑ New Lighting System	Area Category	11,211	Area Category	14,975
☐ Altered Lighting System				
Total Area of Work (ft²)	**11,211**		**14,975**	

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

	Allowed Lighting Power per §140.6(b) (Watts)						Adjusted Lighting Power per §140.6(a) (Watts)						Compliance Results
Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	01 Complete Building §140.6(c)1 (See Table I)	02 Area Category §140.6(c)2 (See Table I)	03 Area Category Additional §140.6(c)2G (+) (See Table J)	04 Tailored §140.6(c)3 (+) (See Table K)		05 Total Allowed (Watts)	06 Total Designed (Watts) (See Table F)	07 Adjustments PAF Control Credits §140.6(a)2 (-) (See Table P)		08 Total Adjusted (Watts) *Includes Adjustments			09 05 Must be ≥ 08 §140.6
Conditioned:		4,484.4			=	**4,484.4**	≥ 1,394		=	**1,394**			**COMPLIES**
Unconditioned:		3,034.5			=	**3,034.5**	≥ 3,025		=	**3,025**			**COMPLIES**

Table Continued

Controls Compliance [See Table H for Details]	COMPLIES with Exceptional Conditions
Rated Power Reduction Compliance [See Table Q for Details]	Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H Indoor Lighting Controls Permit Applicant Notes:
ELECTRICAL, MECHANICAL, ELEVATOR ROOMS: EXCEPTION 4 TO 130.1(c)1: ELECTRICAL EQUIPMENT ROOMS
STAIRWAYS: EXCEPTION TO 130.1(a)1: STAIRWELL
GARAGE AREAS: MULTI-LEVEL CONTROL THROUGH OCCUPANCY SENSOR CONTROL AND TIMECLOCK CONTROLS

Selections made in Table T have been changed by the permit applicant. See Table E. Additional Remarks for permit applicant's explanation.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

EXCEPTION 1 TO 110.12(c): ALL STORAGE ROOMS HAVE LPD LOWER THAN 0.5WATT'S PER SQUARE FOOT AND THEREFORE SHALL NOT COUNT TOWARD THE 10,000 SQUARE FOOT THRESHOLD.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01 Name or Item Tag	02 Complete Luminaire Description	03 Modular (Track) Fixture	04 Small Aperture & Color Change[1]	05 Watts per luminaire[2]	06 How Wattage is determined	07 Total number luminaires	08 Exempt per §140.6(a)3	09 Design Watts	10 Field Inspector Pass	Fail
FS1	4' STRIP LIGHTS PH1A	☐	☐	41	Mfr. Spec[2]	34	☐	1,394	☐	☐
					Total Designed Watts CONDITIONED SPACES:			**1,394**		

Designed Wattage: Unconditioned Spaces

01 Name or Item Tag	02 Complete Luminaire Description	03 Modular (Track) Fixture	04 Small Aperture & Color Change[1]	05 Watts per luminaire[2]	06 How Wattage is determined	07 Total number luminaires	08 Exempt per §140.6(a)3	09 Design Watts	10 Field Inspector Pass	Fail
LS1	10'-6" LINEAR FIXTURE PH1A	☐	☐	48	Mfr. Spec[2]	2	☐	96	☐	☐

01 Name or Item Tag	02 Complete Luminaire Description	03 Modular (Track) Fixture	04 Small Aperture & Color Change[1]	05 Watts per luminaire[2]	06 How Wattage is determined	07 Total number luminaires	08 Exempt per §140.6(a)3	09 Design Watts	10 Field Inspector Pass	Fail
LS1	11' LINEAR FIXTURE PH1A	☐	☐	50	Mfr. Spec[2]	4	☐	200	☐	☐
LS1	12'-6" LINEAR FIXTURE PH1A	☐	☐	57	Mfr. Spec[2]	2	☐	114	☐	☐
LS1	13'-6" LINEAR FIXTURE PH1A	☐	☐	61	Mfr. Spec[2]	4	☐	244	☐	☐
LS1A	8' LINEAR STRIP LIGHT PH1A	☐	☐	36	Mfr. Spec[2]	31	☐	1,116	☐	☐
LS2	66" LINEAR STRIP LIGHT PH1A	☐	☐	297	Mfr. Spec[2]	3	☐	891	☐	☐
LS2	19'-6" LINEAR STRIP LIGHT PH1A	☐	☐	88	Mfr. Spec[2]	3	☐	264	☐	☐
LS2	11' LINEAR STRIGHT LIGHT PH1A	☐	☐	50	Mfr. Spec[2]	2	☐	100	☐	☐
					Total Designed Watts UNCONDITIONED SPACES:			**3,025**		

[1] FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
[2] Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03 Field Inspector Pass	Fail
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)	☐	☐
Not Required - Building ≤ 0.5 W/SF	See Area/Space Level Controls		

Area Level Controls

04 Area Description	05 Complete Building or Area Category Primary Function Area	06 Area Controls §130.1(a)	07 Multi-Level Controls §130.1(b)	08 Shut-Off Controls §130.1(c)	09 Primary/Skylit Daylighting §130.1(d)	10 Secondary Daylighting §140.6(a)4	11 Interlocked Systems §140.6(a)1	Field Inspector Pass	Fail
ELECTRICAL, MECHANICAL, ELEVATOR ROOMS	Electrical, Mechanical, Telephone Rooms	Manual ON/ OFF	Exempt*	Exempt*	NA	NA		☐	☐
STORAGE ROOMS	All Other Space Types	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA		☐	☐
STAIRWAYS	Stairwell	Auth. Personel	Other*	Partial Off*	NA	NA		☐	☐
GARAGE AREAS	Parking Garage - Parking Area	Auth. Personel	Other*	Partial Off*	NA	NA		☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;
EXCEPTION 1 to §130.1(d)2

13
Plan Sheet Showing Daylit Zones:

ELECTRICAL, MECHANICAL, ELEVATOR ROOMS	*EXCEPTION 4 TO 130.1(c)1: ELECTRICAL EQUIPMENT ROOMS*
STAIRWAYS	*EXCEPTION TO 130.1(a)1: STAIRWELL*
GARAGE AREAS	*MULTI-LEVEL CONTROL THROUGH OCCUPANCY SENSOR CONTROL AND TIMECLOCK CONTROLS*

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01 Area Description	02 Complete Building or Area Category Primary Function Area	03 Allowed Density (W/ft²)	04 Area (ft²)	05 Allowed Wattage (Watts)	06 Additional Allowances / Adjustment Area Category	PAF
ELEVATOR MACHINE ROOMS	Electrical, Mechanical, Telephone Rooms	0.4	117	46.8	☐	☐
ELECTRICAL & MECH ROOMS	Electrical, Mechanical, Telephone Rooms	0.4	633	253.2	☐	☐
STORAGE ROOMS	All Other Space Types	0.4	10,461	4,184.4	☐	☐

Conditioned Spaces

01 Area Description	02 Complete Building or Area Category Primary Function Area	03 Allowed Density (W/ft²)	04 Area (ft²)	05 Allowed Wattage (Watts)	06 Additional Allowances / Adjustment Area Category	PAF
		TOTAL:	**11,211**	**4,484.4**	See Tables J or P for detail	

Unconditioned Spaces

01 Area Description	02 Complete Building or Area Category Primary Function Area	03 Allowed Density (W/ft²)	04 Area (ft²)	05 Allowed Wattage (Watts)	06 Additional Allowances / Adjustment Area Category	PAF
VEHICLE IN GARAGE	Parking Garage - Parking Area	0.1	10,048	1,004.8	☐	☐
STAIRWAYS	Stairwell	0.5	589	294.5	☐	☐
PEDESTRIAN AREA IN GARAGE	All Other Space Types	0.4	4,338	1,735.2	☐	☐
		TOTAL:	**14,975**	**3,034.5**	See Tables J or P for detail	

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
◉	○	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐
○	◉	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	☐	☐

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: ANDREW H. INJO	Documentation Author Signature:
Company: dHA+CALPEC	Signature Date: 9/8/2021
Address: 150 SOUTH ARROYO PARKWAY	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: PASADENA/CA/91105	Phone: 626-445-8580

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: ANDREW H. INJO	Responsible Designer Signature:
Company : dHA+CALPEC	Date Signed: 9/8/2021
Address: 150 SOUTH ARROYO PARKWAY	License: E-13884
City/State/Zip: PASADENA/CA/91105	Phone: 626-445-8580

BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE:
(DESIGN STAGE ONLY)

19763
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8061

CITY OF LOS ANGELES PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
DEPARTMENT OF PUBLIC WORKS

NO.	REVISIONS	DATE	BY

BUILDING NO.
INDEX NO.
MF-300492

BUREAU OF ENGINEERING
REGISTERED PROFESSIONAL ENGINEER
ANDREW H. INJO
E-13884
Exp. 06/30/22
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC NO. C29665

ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: INDOOR T24 FORMS PHASE 1A
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST, LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO.
E000-06
SHEET OF SHEETS

PLOTTED: 11/2/2021 11:30:54 AM

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E

This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2I, for outdoor lighting scopes using the prescriptive path.

Project Name: PERSHING SQUARE PLAZA Report Page: Page 1 of 6
Project Address: 532 S OLIVE ST, LOS ANGELES, CA 90013 Date Prepared: 9/14/2021

A. GENERAL INFORMATION

01	Project Location (city)	LOS ANGELES	04	Total Illuminated Hardscape Area (ft²)	5,217
02	Climate Zone	10			
03	Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):				

☐ LZ-0: Very Low - Undeveloped Parkland ☐ LZ-2: Moderate - Rural Areas ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Developed Parkland ☑ LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2I, for alterations.

My project consists of:

01	02
☑ New Lighting System	Must Comply with Allowances from §140.7.
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ◯ Yes ◯ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100*

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L — **Compliance Results**

01		02		03		04		05	OR	06	=	07	≥	08	09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	+	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2		Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)		**Total Actual** (Watts)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	OR	(See Table N)		(See Table F)			
720.51	+		+		+		+		OR		+	720.51	≥	490	**COMPLIES**

Cutoff Compliance (See Table G for Details): **Not Applicable**
Controls Compliance (See Table H for Details): **COMPLIES with Exceptional Conditions**

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PERSHING SQUARE PLAZA Report Page: Page 2 of 6
Project Address: 532 S OLIVE ST, LOS ANGELES, CA 90013 Date Prepared: 9/14/2021

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H. Outdoor Lighting Controls Permit Applicant Notes:
LANDSCAPE LIGHTING: EXCEPTION 2 TO 130.2(c): LANDSCAPE LIGHTING
STAIR/RAMP LIGHTS: EXCEPTION 1 TO 130.2(c): LUMINARIES RATED LESS THAN 40 WATTS
HARDSCAPE LIGHTING: EXCEPTION 1 TO 130.2(c): LUMINARIES RATED LESS THAN 40 WATTS

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Fixtures Excluded per 140.7(a) are not included in T24 forms.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector Pass	Fail
BH1	12' POLE LIGHT	☐ Linear	28	Mfr. Spec[1]	8	New	☐	224	NA: <6,200 lumens	☐	☐
LR2	ELEV MULL LIGHT (9.5')	☐ Linear	23	Mfr. Spec[1]	2	New	☐	46	NA: <6,200 lumens	☐	☐
LR2	ELEV MULL LIGHT (12')	☐ Linear	29	Mfr. Spec[1]	2	New	☐	58	NA: <6,200 lumens	☐	☐
LR4	ELEV LANDING (6')	☐ Linear	18	Mfr. Spec[1]	1	New	☐	18	NA: <6,200 lumens	☐	☐
LR1	ELEV HEADER (12'W)	☐ Linear	72	Mfr. Spec[1]	2	New	☐	144	NA: <6,200 lumens	☐	☐
		☐ Linear					☐	0		☐	☐
							Total Designed Watts:	**490**			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PERSHING SQUARE PLAZA Report Page: Page 3 of 6
Project Address: 532 S OLIVE ST, LOS ANGELES, CA 90013 Date Prepared: 9/14/2021

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Watts per luminaire[1,2]	How Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector Pass	Fail

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope*
[4] *Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).*

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector Pass	Fail
LANDSCAPE LIGHTING	Photocontrol	Yes	Exempt *	☐	☐
HARDSCAPE LIGHTING	Photocontrol	Yes	Exempt *	☐	☐
STAIR/RAMP LIGHTS	Photocontrol	Yes	Exempt *	☐	☐
ELEVATOR HEADER & MULLION LIGHTS	Photocontrol	Yes	Yes	☐	☐

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PERSHING SQUARE PLAZA Report Page: Page 4 of 6
Project Address: 532 S OLIVE ST, LOS ANGELES, CA 90013 Date Prepared: 9/14/2021

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector Pass	Fail

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

LANDSCAPE LIGHTING	EXCEPTION 2 TO 130.2(c): LANDSCAPE LIGHTING
STAIR/RAMP LIGHTS	EXCEPTION 1 TO 130.2(c): LUMINARIES RATED LESS THAN 40 WATTS
HARDSCAPE LIGHTING	EXCEPTION 1 TO 130.2(c): LUMINARIES RATED LESS THAN 40 WATTS

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

	General Hardscape Allowance	01 "Use it or lose it" Allowances (select all that apply)				
	☑	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area	
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (L2 & 3)	Table I (below)	Table J	Table K	Table L	Table M	

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
WALKWAYS (PHASE 1A)	Concrete	5,217	0.03	156.51	535	0.4	214	370.51
							Initial Wattage Allowance for Entire Site (Watts):	**350**
							Total General Hardscape Allowance (Watts):	**720.51**

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PERSHING SQUARE PLAZA Report Page: Page 5 of 6
Project Address: 532 S OLIVE ST, LOS ANGELES, CA 90013 Date Prepared: 9/14/2021

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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YES	NO	Form/Title	Field Inspector Pass	Fail
◉	◯	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	◯	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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YES	NO	Form/Title	Field Inspector Pass	Fail
◉	◯	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: PERSHING SQUARE PLAZA Report Page: Page 6 of 6
Project Address: 532 S OLIVE ST, LOS ANGELES, CA 90013 Date Prepared: 9/14/2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	ANDREW H. INJO	Documentation Author Signature:	
Company:	dHA+CALPEC	Signature Date:	9/14/2021
Address:	150 SOUTH ARROYO PARKWAY	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	PASADENA/CA/91105	Phone:	626-445-8580

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4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
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Responsible Designer Name:	ANDREW H. INJO	Responsible Designer Signature:	
Company :	dHA+CALPEC	Date Signed:	9/13/2021
Address:	150 SOUTH ARROYO PARKWAY	License:	E-13884
City/State/Zip:	PASADENA/CA/91105	Phone:	626-445-8580

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

BUREAU OF ENGINEERING
OFFICIAL RECORD

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dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING
NO. REVISIONS: BY DATE
BUILDING NO.
INDEX NO. MF-300492

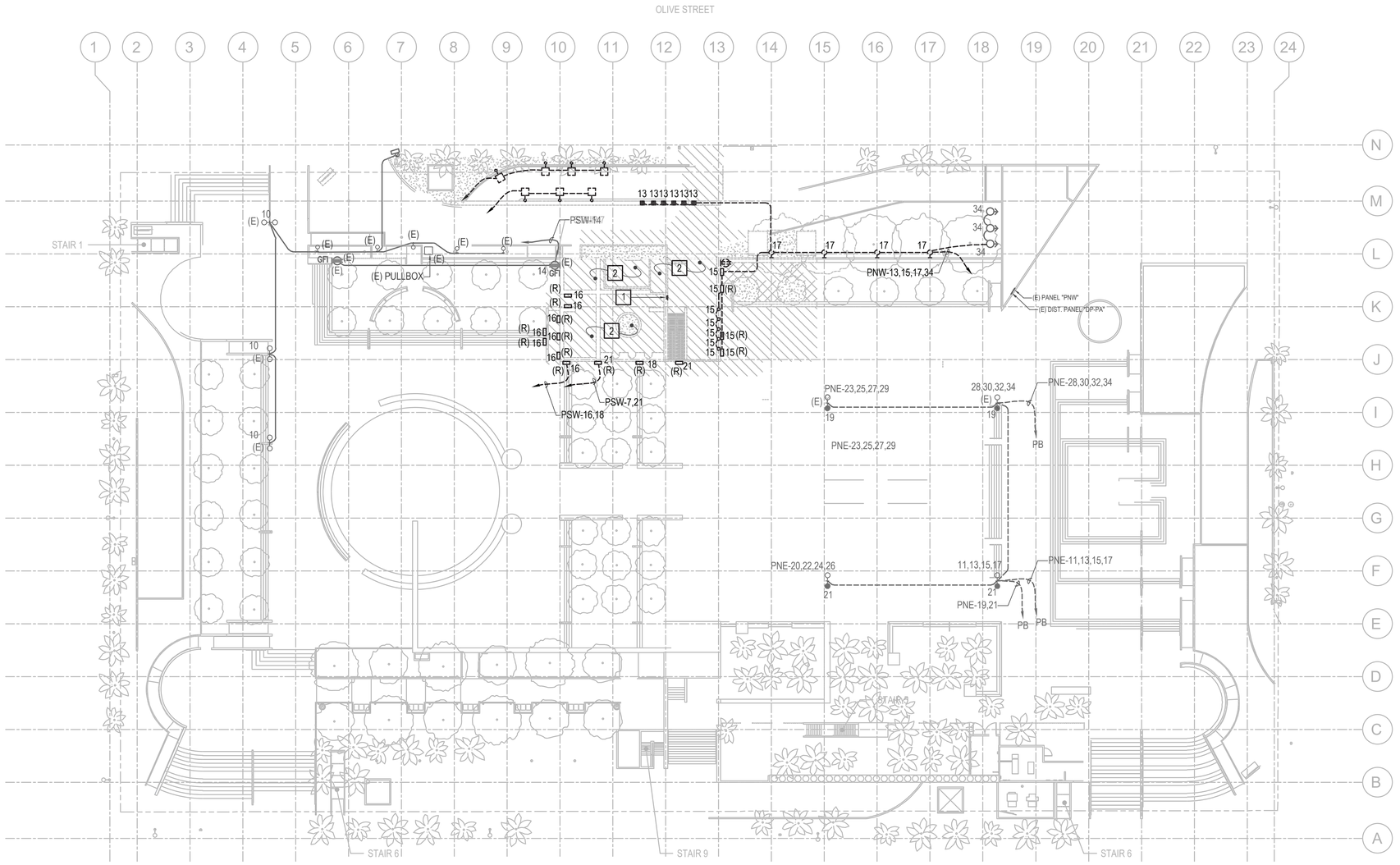
REGISTERED PROFESSIONAL ENGINEER ANDREW H. INJO E-13884 Exp. 06/30/22 CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO. C29965 DATE: 12/16/2021
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: OUTDOOR T24 FORMS PHASE 1A
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. E000-07
SHEET OF SHEETS

PLOTTED: 11/2/2021 11:30:57 AM



REFERENCE NOTES

1. DE-ENERGIZE POWER FEED TO PANEL, AND REMOVE PANEL WITH ALL ASSOCIATED WIRING CONNECTIONS.
2. COORDINATE WORKS IN THE DEMOLITION AREA WITH ARCHITECTURAL DEMOLITION PLAN, DE-ENERGIZE POWER AND REMOVE LIGHT FIXTURES AND WIRING IN THE AFFECTED AREA TO BE DEMOLISHED, REMOVE CONDUIT AND WIRING ALL THE WAY BACK TO SERVING PANEL AND UPDATE PANEL DIRECTORY TO INDICATES NEW SPARE BRANCH CIRCUITS.

1 GROUND LEVEL - DEMO PLAN
1" = 30'-0"

19763
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATE:
REVISION DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

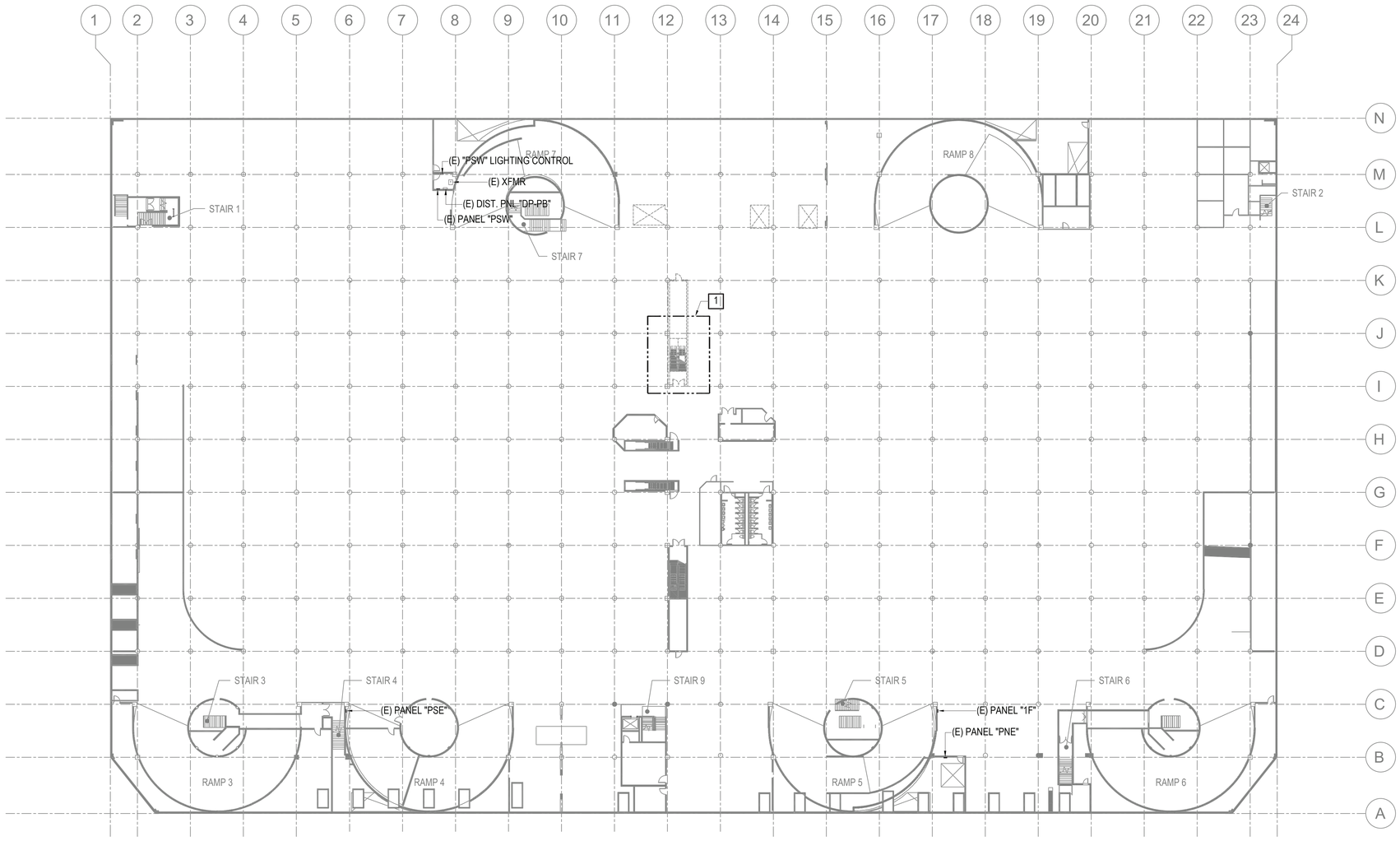
REGISTERED PROFESSIONAL ENGINEER
ANDREW H. IMJO
E-13884
Exp. 06/30/22
ELECTRICAL
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: GROUND LEVEL - DEMO PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. E111-1A
SHEET OF SHEETS

PLOTTED: 11/3/2021 12:30:20 PM



GENERAL NOTES

1. SCREENED ITEMS DENOTES EXISTING (E) EQUIPMENT TO REMAIN IN PLACE U.O.N.
2. EXISTING DEVICES/RECEPTACLES/SWITCHES/ETC... SHOWN WITH "(R)" TO BE REMOVED, PULL OUT WIRES, REMOVE UNUSED CONDUIT. MAINTAIN CONTINUITY OF EXISTING CIRCUITS TO REMAIN. UPDATE PANEL SCHEDULES ACCORDINGLY.
3. PLANS BASED ON 1992 AS-BUILTS. CIRCUITS SHOWN FOR REFERENCE ONLY. ELECTRICAL CONTRACTOR RESPONSIBILITY VERIFY/TRACE ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY DEMOLITION OR NEW WORK THAT MAY BE AFFECTED AND BRING ANY CONFLICT TO ARCHITECT/ENGINEER FOR RESOLUTIONS.

REFERENCE NOTES

[1] REMOVE ALL EXISTING LIGHT FIXTURES, SWITCHES, POWER OUTLETS, DISCONNECTS, AND ASSOCIATED CONDUIT AND WIRES WITHIN BOUNDARY BACK TO EXISTING PANEL/BOARD U.O.N. MAINTAIN CONTINUITY OF OTHER EXISTING EQUIPMENT TO REMAIN. UPDATE PANEL/BOARD SCHEDULE AS REQUIRED. REFER TO ARCHITECTURAL PLANS FOR DEMOLITION.

1 PARKING LEVEL 1 - DEMO PLAN

1" = 30'-0"

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (RESIDENT STAGE ONLY)

REVISION DATE:

BUREAU OF ENGINEERING
OFFICIAL RECORD

19763
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS	DATE	BY

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
ANDREW R. IKKO
E-13884
Exp. 06/30/22
ELECTRICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: GARY LEE MOORE, PE, ENV SP — DATE: 12/16/2021
ARCHITECTURAL DIVISION — LIC. NO. C23665
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 1 - DEMO PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

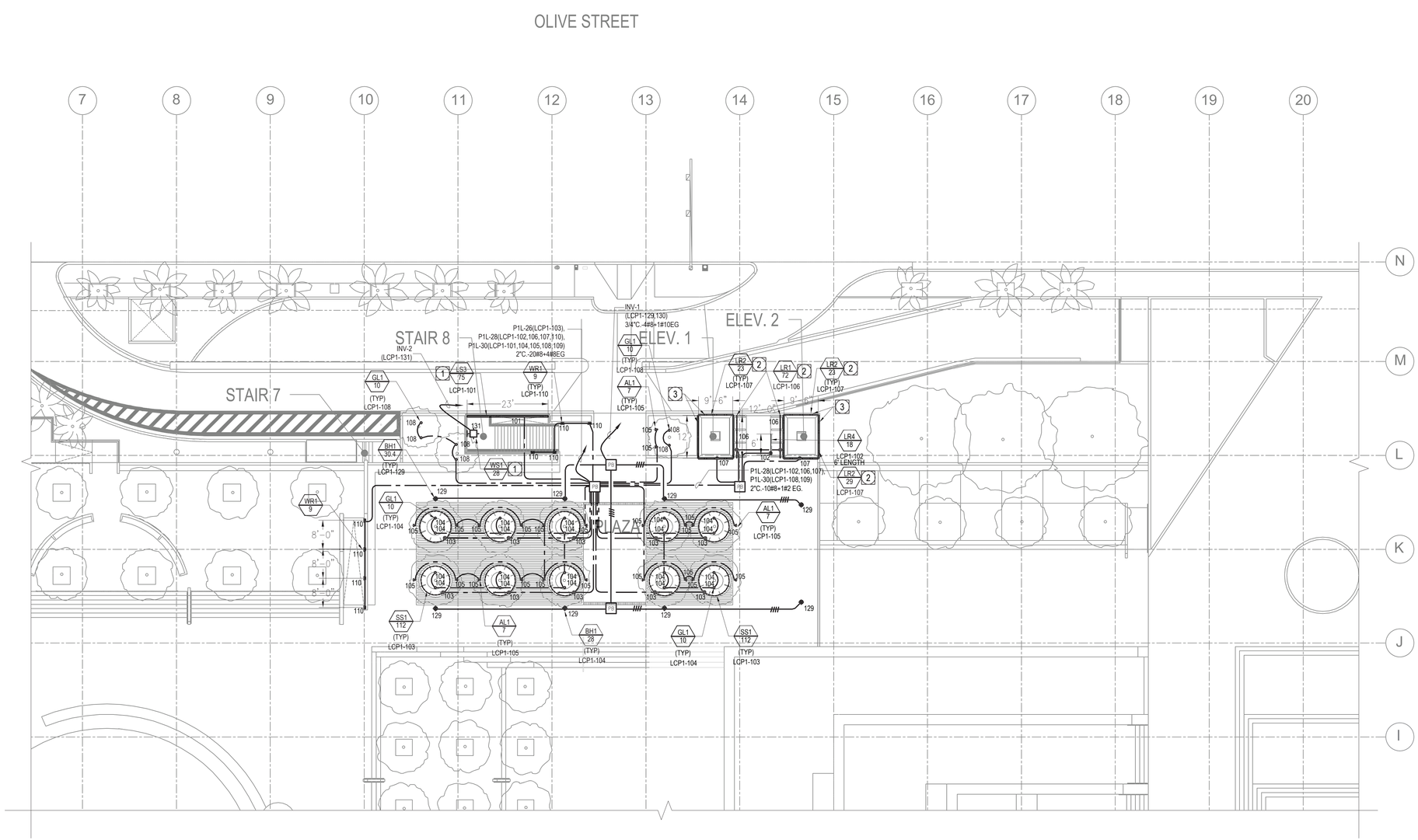
WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. E121-1A

SHEET OF SHEETS

PLOTTED: 11/5/2021 8:55:17 AM



GENERAL NOTES

1. FEEDER AND WIRING ROUTING SHOWN FOR DIAGRAMMATIC/ROUGH ESTIMATE. CONTRACTOR TO FIELD COORDINATE EXACT ROUTING.
2. PRIOR TO ROUGH IN ANY ELECTRICAL WORK, CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR THE DEVICE/EQUIPMENT EXACT LOCATION AND POINT OF CONNECTION REQUIREMENTS.
3. ALL EXPOSED CONDUITS SHOWN SHALL BE RIGID METAL CONDUIT AND ALL CONDUCTORS SHALL BE MIN. #10 U.O.N.
4. NORMAL AND EMERGENCY CIRCUITS SHALL NOT BE INSTALLED WITHIN THE SAME CONDUIT/PULLBOX/JUNCTION BOX/ETC...
5. LOW VOLTAGE CONTROL WIRING NOT SHOWN ON PLANS. PROVIDE ALL LOW VOLTAGE CONTROL WIRING IN CONDUIT AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
6. ALL UNDERGROUND CONDUITS SHALL BE MINIMUM OF 1"C AND ALL CONDUCTORS SHALL BE MIN. #10 U.O.N.
7. REFER TO ARCHITECTURAL PLANS FOR ACTUAL LIGHT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
8. REFER TO FIXTURE SCHEDULE AND SEQUENCE OF OPERATIONS ON SHEET E000-03 FOR FURTHER DETAILS.

REFERENCE NOTES

1. LIGHTS SHALL GO FULL BRIGHT WHEN NORMAL POWER IS LOST. PROVIDE REQUIRED ACCESSORIES AS REQUIRED.
2. PROVIDE EXTERIOR RATED MOTION SENSORS FOR CONTROL OF ELEVATOR HEADER AND MULLION. FIXTURE TO DIM TO 50% WHEN UNOCCUPIED. FIELD VERIFY EXACT LOCATION.
3. 50% OF THE LIGHT FROM LUMINAIRE FALL WITHIN LANDSCAPE LIGHTING AND EXEMPT PER 140.7(a).

1 GROUND LEVEL - LIGHTING PLAN

1/16" = 1'-0"

BUREAU OF ENGINEERING
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FAX: (626) 445-8081

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

MF-300492

INDEX NO.

REGISTERED PROFESSIONAL ENGINEER
ANDREW H. IN-CHI
E-13884
Exp. 06/30/22
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP — CITY ENGINEER — DATE: 12/16/2021

ARCHITECT: DEBRA GEROD — ARCHITECTURAL DIVISION — LIC. NO. C23665

DESIGNED BY: dHA+CALPEC

DRAWN BY: dHA+CALPEC

CHECKED BY: KC/AI

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - LIGHTING PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.

E211-1A

SHEET OF SHEETS

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REVISION DATES:
(DESIGN STAGE ONLY)

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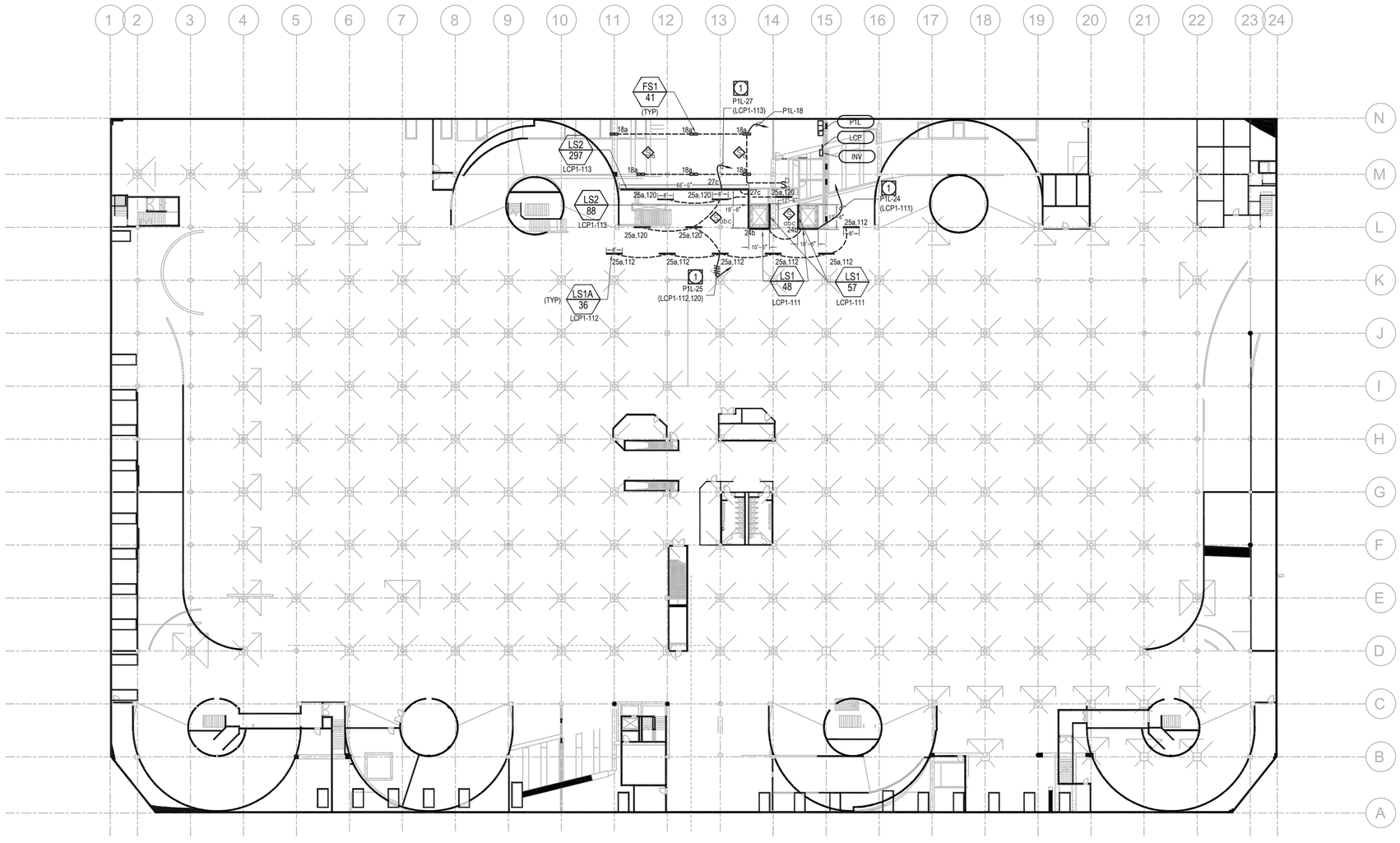

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5. LOW VOLTAGE CONTROL WIRING NOT SHOWN ON PLANS. PROVIDE ALL LOW VOLTAGE CONTROL WIRING AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
6. REFER TO ARCHITECTURAL PLANS FOR ACTUAL LIGHT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.

REFERENCE NOTES

1 LIGHTS SHALL DIM TO 50% WHEN UNOCCUPIED PER LOCAL MOTION SENSOR.

1 PARKING LEVEL 1 - LIGHTING PLAN
1" = 30'-0"

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

BUREAU OF ENGINEERING
OFFICIAL RECORD

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dHA + CALPEC
150 S. ARROYO PARKWAY
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TEL: (626) 445-8580
FAX: (626) 445-9081

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
ANDREW H. IWATA
E-13884
Exp. 06/30/22
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
DATE: 12/16/2021

ARCHITECT: DEBRA GEROD
LIC NO. C23665
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 1 - LIGHTING PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
E221-1A
SHEET OF SHEETS

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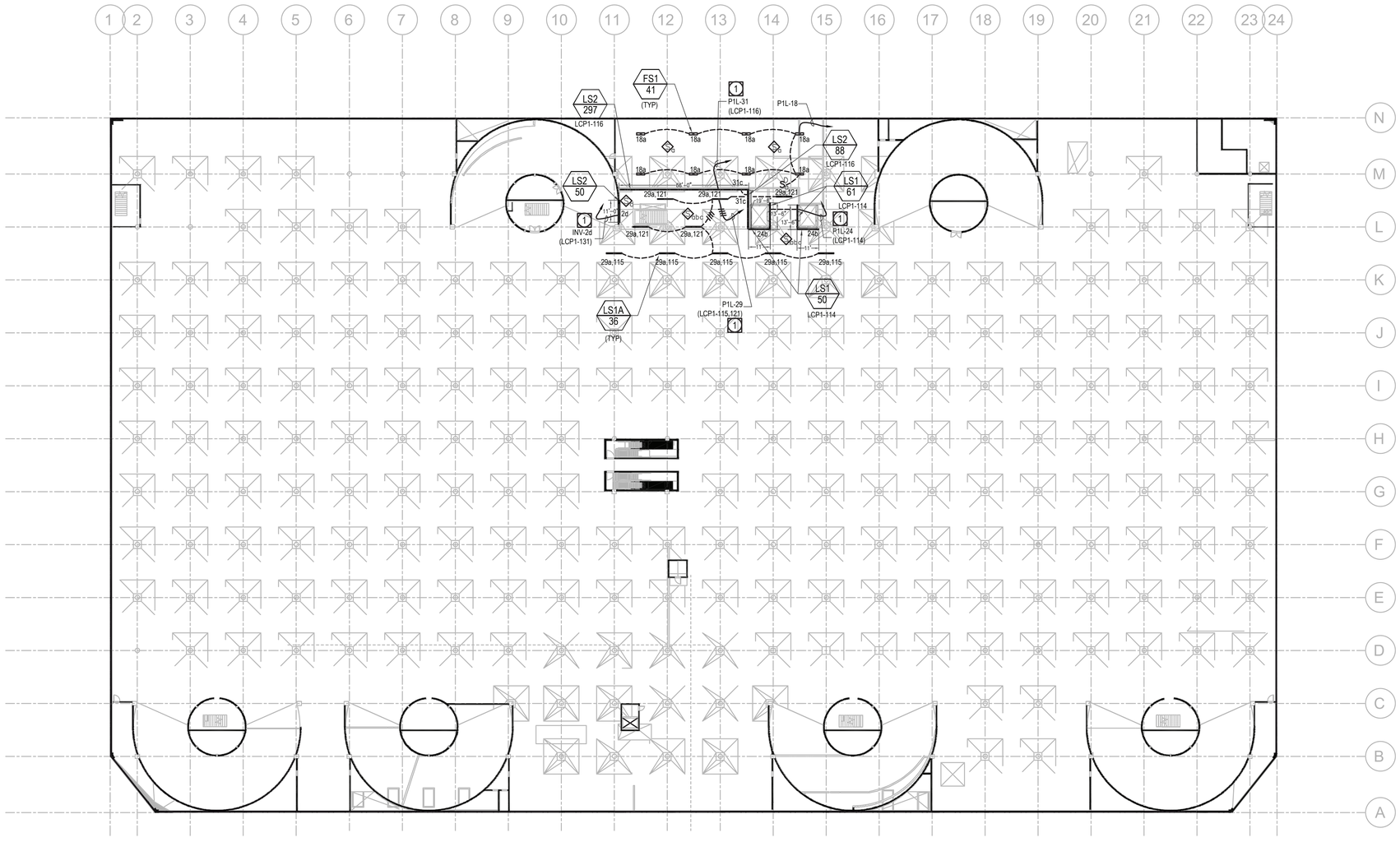

GENERAL NOTES

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5. LOW VOLTAGE CONTROL WIRING NOT SHOWN ON PLANS. PROVIDE ALL LOW VOLTAGE CONTROL WIRING IN CONDUIT AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.

REFERENCE NOTES

1 LIGHTS SHALL DIM TO 50% WHEN UNOCCUPIED PER LOCAL MOTION SENSOR.

1 PARKING LEVEL 2 - LIGHTING PLAN
1" = 30'-0"

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OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

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CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO.

INDEX NO. MF-300492

REGISTERED PROFESSIONAL ENGINEER
ANDREW H. IN-CI
E-13884
Exp. 06/30/23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, PE, ENV SP
DATE: 12/16/2021

ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD
LIC. NO. C23665
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - LIGHTING PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
E231-1A
SHEET OF SHEETS

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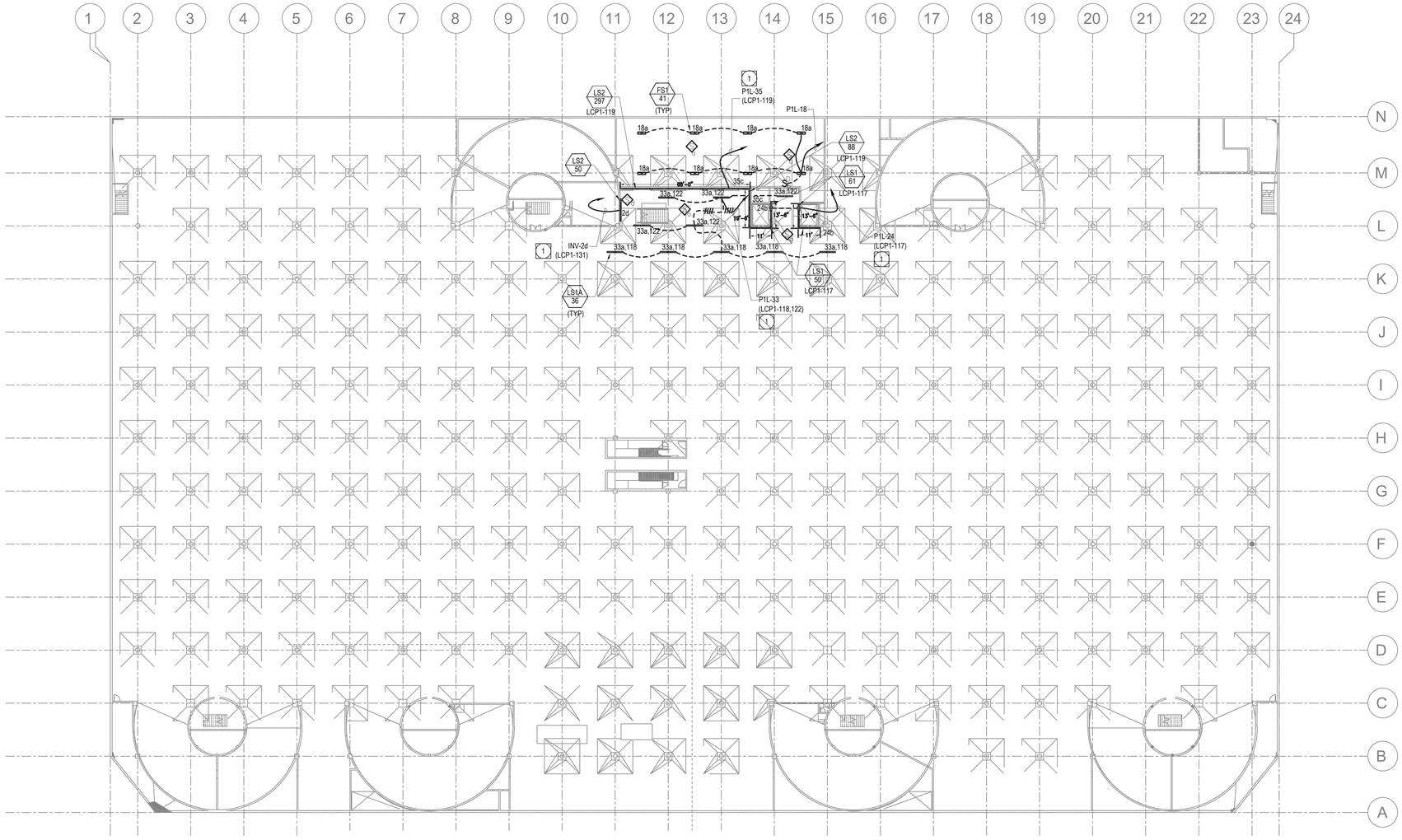

GENERAL NOTES

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5. LOW VOLTAGE CONTROL WIRING NOT SHOWN ON PLANS. PROVIDE ALL LOW VOLTAGE CONTROL WIRING IN CONDUIT AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.

REFERENCE NOTES

1. LIGHTS SHALL DIM TO 50% WHEN UNOCCUPIED PER LOCAL MOTION SENSOR.

1 PARKING LEVEL 3 - LIGHTING PLAN

1" = 30'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

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FAX: (626) 445-8081

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MF-300492

INDEX NO.

REGISTERED PROFESSIONAL ENGINEER
ANDREW H. IWATA
E-13884
Exp. 06/30/22
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER | DATE: 12/16/2021
GARY LEE MOORE, PE, ENV SP
ARCHITECTURAL DIVISION
LIC. NO. C23865
ARCHITECT: DEBRA GEROD
DESIGNED BY: dHA+CALPEC
DRAWN BY: dHA+CALPEC
CHECKED BY: KC/AI
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT | 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 3 - LIGHTING PLAN

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
E241-1A
SHEET OF SHEETS

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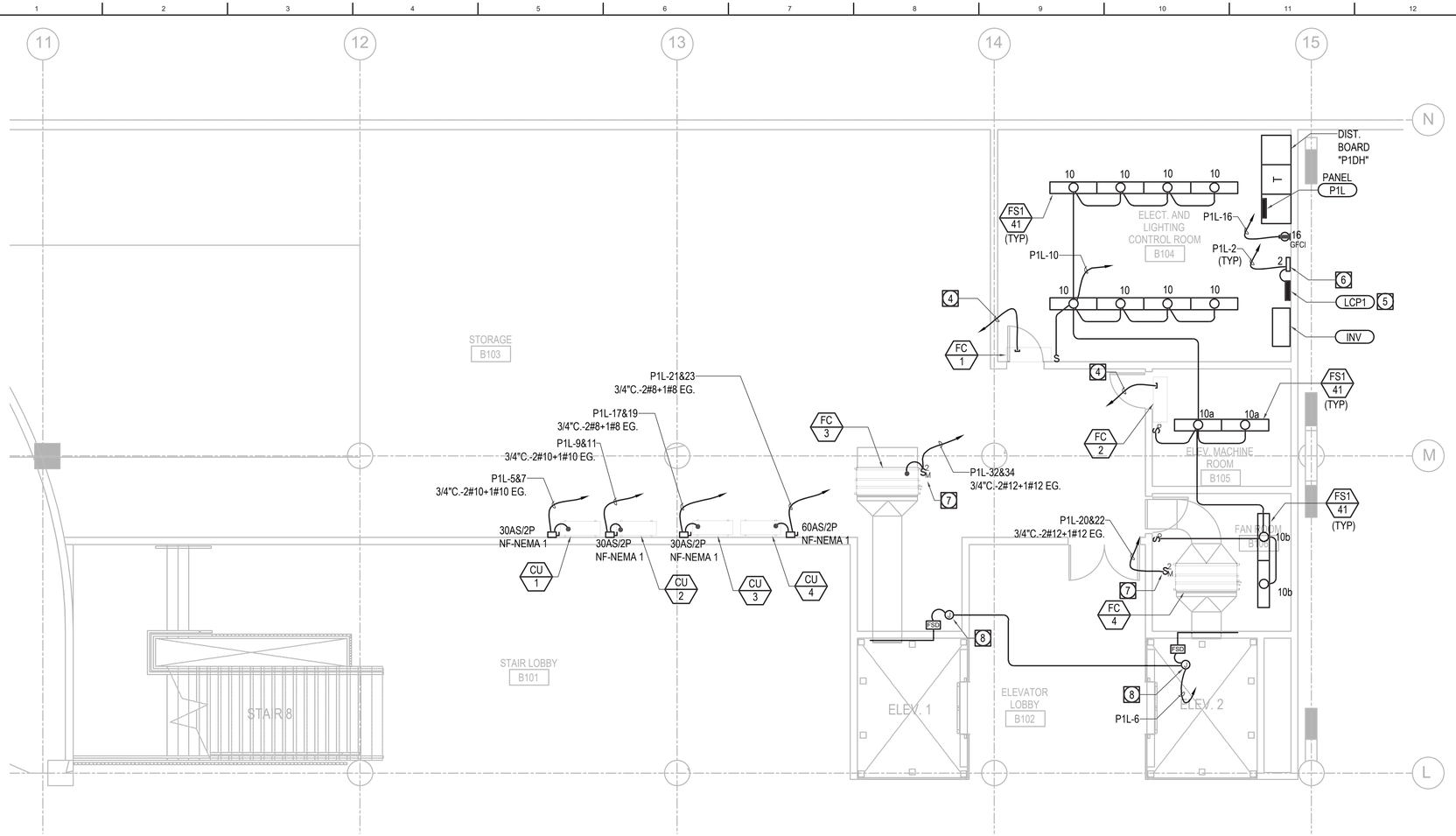
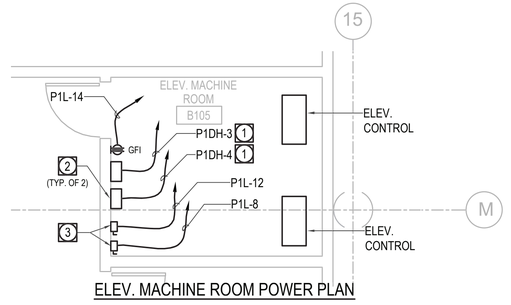


REFERENCE NOTES

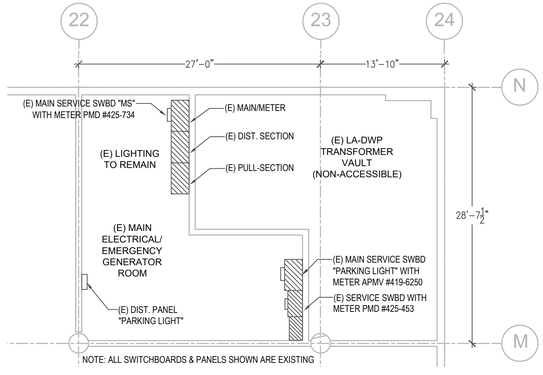
1. REFER TO SINGLE LINE DIAGRAM SHEET E000-02 FOR CONNECTION AND REQUIREMENTS.
2. FURNISH AND INSTALL HEAVY DUTY 100A/2P AND 100A/3P TIME-DELAY IN NEMA -1 AND CONNECTION TO ELEVATOR MOTOR CONTROLLER. REFER TO SINGLE LINE SHEET E000-02 FOR ADDITIONAL DETAILS.
3. FURNISH AND INSTALL 30A/2P-120V DISCONNECT SWITCH WITH LOCKABLE PROVISION, LEVITON CAT. #N1302-DS.
4. PROVIDE 3/4"C. TO ASSOCIATED OUTDOOR UNIT (CU) FOR POWER AND CONTROL CONNECTION. COORDINATE WITH MECHANICAL FOR REQUIREMENTS.
5. PROVIDE nLIGHT LIGHTING RELAY PANEL "LCP1" / "LCP2" #ARP INTENC32 NLT 32FCR MVOLT 1VB HLK SM. FIELD VERIFY EXACT LOCATION AND PROVIDE CONNECTION TO nLIGHT ECLYPSE.
6. PROVIDE nLIGHT ECLYPSE IN NEMA 1 ENCLOSURE WITH TOUCHSCREEN #nECY-MVOLT-ENC-GFXK. PROVIDE CONNECTION TO INDIVIDUAL nLIGHT RELAY PANELS "LCP1" AND "LCP2" LOCATED IN SEPARATE ELECTRICAL ROOMS. FIELD VERIFY EXACT LOCATION OF EACH ENCLOSURE/PANEL.
7. PROVIDE NEMA 1 MANUAL STARTER SWITCH WITH RED PILOT LIGHT, SQUARE D (CLASS 2510) #FG2P/F02P. AND ALSO COORDINATE WITH MECHANICAL FOR CONTROL WIRING CONNECTION TO ASSOCIATED OUTDOOR CU-UNIT.
8. COORDINATE WITH FIRE ALARM FOR ADDRESSABLE INTERFACE RELAY CONNECTION FOR AUTO-FSD SHUT DOWN UPON SMOKE/FIRE COMMAND. INTERFACE RELAY PROVIDED AS PART OF FIRE ALARM SYSTEM SCOPE OF WORK.



1 PH1A - LEVEL 1 ELEC. RM / ELEV. MACHINE RM. (OLIVE STREET)

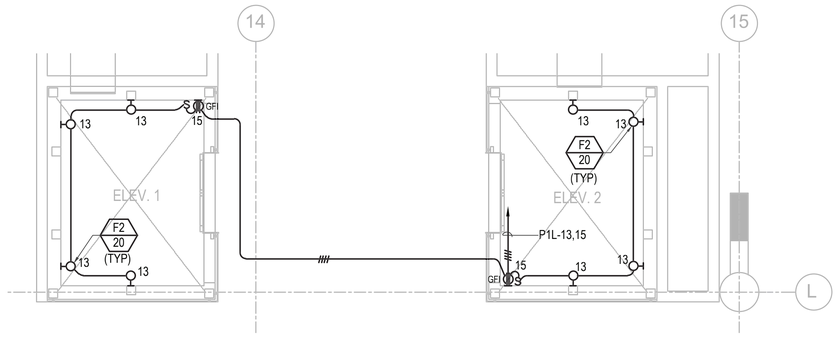
3/16" = 1'-0"

ELEV. MACHINE ROOM POWER PLAN



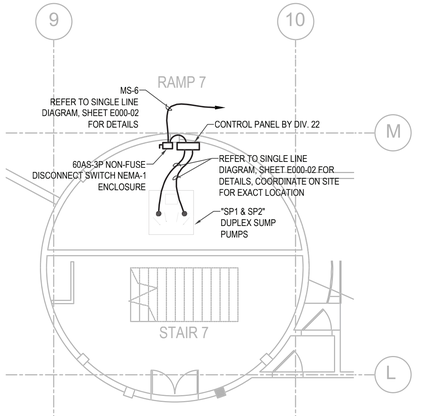
2 PH1A - LEVEL 3 MAIN ELECTRICAL ROOM PARTIAL PLAN

1/8" = 1'-0" (FOR REFERENCE ONLY)



3 PH1A - LEVEL 3 ELEVATOR PIT - PE1 & PE2 (OLIVE STREET) - ELECTRICAL

1/4" = 1'-0"



4 PH1A - PARKING LEVEL 3 PARTIAL PLAN @ RAMP 7

1/8" = 1'-0" (SUMP PUMPS ELECTRICAL)

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OFFICIAL RECORD

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO.

MF-300492

INDEX NO.

REGISTERED PROFESSIONAL ENGINEER
ANDREW H. IWAGI
E-13884
Exp. 06/30/22
ELECTRICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER	GARY LEE MOORE, PE, ENV SP
DATE:	12/16/2021
LIC. NO. C23665	
ARCHITECTURAL DIVISION	
ARCHITECT: DEBRA GEROD	
DESIGNED BY: dHA+CALPEC	
DRAWN BY: dHA+CALPEC	
CHECKED BY: KC/AI	
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT	11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PHASE 1A ELECTRICAL ENLARGED PLANS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A
530 S OLIVE ST.
ADDRESS: LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
E261-1A
SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

PLOTTED: 11/2/2021 11:31:30 AM

FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	MANUFACTURER & CATALOG #	LIGHT SOURCE	WATTS	VOLTAGE	LOAD TYPE	DIM TYPE	REMARKS
AL1	Tree mounted LED adjustable bullet with treestrap mounting accessory	Pershing Square Phase 1A	HK ZXL11-_-B-GSA-24V MOD-7-30-27-[FINISH]-OSL TM120-TS	Integral 3000K LEDs	7	24V	LED	MLV	For a VE solution, we can have the fixtures be Fixture to be mounted on tree strap mounting accessory to be mounted on tree branch. Locations to be field determined
BH1	Landscape mounted modular LED light pole: Head: -1x Light Source at top of pole. -3000K Color Temperature -Dimmable - 0-10V -Clear acrylic cylinder diffuser -Type 5 distribution Pole: -12' High Pole - Overall Height	Pershing Square Phase 1A	LUMINIS CL621-L1L20-R5-CLP6118-[VOLTAGE]-[FINISH]	Integral 3000K LEDs	28	120 or 277V	LED	0-10V	Provide all required structural base below grade for pole to mount flush with finish ground material.
FS1	Surface mount linear 4' back of house LED downlight with integral driver	Pershing Square Phase 1A	Lithonia ZL1D-L48-SMR-5000LM-FST-MVOLT-40K-80CRI	Integral 4000K LEDs	41	120 - 277V	LED	0-10V	
GL1	Landscape-mounted in-grade adjustable LED uplight, with integral dimmable driver	Pershing Square Phase 1A	HK ZXG-LED-10-24V MOD-30-42-[FINISH]-LVR-NSL VLT Constant VOLTAGE Power Panel Alternate fixture option: Targetti	Integral 3000K LEDs	10	24V	LED	0-10V	Manufacturer is providing modified 24V fixture, so that fixture will be powered from remote driver located in VLT - Constant VOLTAGE Power Panel
LR1	Linear LED tapelight with mounting channel, flat pixel free lens, line voltage dimmable fixture REQUIRED LIGHT LEVEL IS 10 FOOTCANDLES AT THE ELEVATOR LANDING	Pershing Square Phase 1A	KELVIX TAPELIGHT: RX-30K-500-[POWER FEED]-120V-[LENGTH] MOUNTING CHANNEL: RX-CH-TL-2-FL LCX-1041 MODULE - 0-10V VANDAL RESISTENT	Integral 3000K LEDs	6 w/lf	120V	LED	0-10V	Fixture to be integrated into elevator canopy detail, and installed to be vandal proof. Fixture to be sealed at factory, so that lens will not be removeable onsite. Mounting channel to have modification to have set screw installation either on the sides of the channel or the center Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
LR2	Linear LED downlight integrated into elevator shaft mullions	Pershing Square Phase 1A	A-Light ACL3-PR[LENGTH]-C_2.4watts/lf-30-U-HE-R-[FINISH]-D	Integral 3000K LEDs	2.4 w/lf	120 - 277V	LED	0-10V	Fixture to have illuminated corners, and be custom shape to fit around dimensions of elevator shaft Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
LR3	Recessed linear lensed LED downlight to integrate into elevator cabs with integral dimmable driver	Pershing Square Phase 1A	Coronet LSR1-PAT-30-L TG-I-UNV-DB-[FINISH]-[MOUNTING]-[OPTICS]-	Integral 3000K LEDs	7.5	120 - 277V	LED	0-10V	DESIGN TEAM TO CONFIRM DESIRED FIXTURE PATTERN/SHAPE IN THE CEILING
LR4	Linear LED tapelight with mounting channel, clear lens, line voltage dimmable fixture	Pershing Square Phase 1A	KELVIX TAPELIGHT: RX-30K-250-[POWER FEED]-120V-[LENGTH] MOUNTING CHANNEL: CH222-[LENGTH]-[VANDAL PROOF MOUNTING]-EC LCX-1041 MODULE - 0-10V VANDAL RESISTENT	Integral 3000K LEDs	3 w/lf	120V	LED	0-10V	Fixture to be integrated onto top of elevator canopy behind lip to illuminate signage Fixture to be sealed at factory, so that lens will not be removeable onsite. Mounting channel to have modification to have set screw installation either on the sides of the channel or the center Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
LS1	Linear surface mount LED downlight with vandal resistant lens and housing, illuminated corners, integral dimmable driver	Pershing Square Phase 1A	A-Light ACL3-PR[LENGTH]-LS-40-U-HE-F-[FINISH]-D-VANDAL RESISTANT	Integral 4000K LEDs	4.5 w/lf	UNV	LED	0-10V	Fixture to be surface mounted on underside of parking garage ceiling structure. Fixture to have illuminated corners, and be custom shape to fit around dimensions of elevator shaft Fixture to be provided with vandal resistant housing and shatterproof acrylic lens Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
LS1A	Linear pendant mount LED downlight with vandal resistant lens and housing, integral dimmable driver	Pershing Square Phase 1A	A-Light ACL3-S[LENGTH]-LS-40-U-HE-S-[FINISH]-D-VANDAL RESISTANT	Integral 4000K LEDs	4.5 w/lf	UNV	LED	0-10V	Fixture to be surface mounted on underside of parking garage ceiling structure. Fixture to be provided with vandal resistant housing and shatterproof acrylic lens
LS2	Linear pendant mount LED downlight with wall wash optics, vandal resistant lens and housing, integral dimmable driver	Pershing Square Phase 1A	A-Light ACL3-S[LENGTH]-LS-40-U-HE-S-[FINISH]-D	Integral 4000K LEDs	4.5 w/lf	UNV	LED	0-10V	Fixture to be surface mounted on underside of parking garage ceiling structure. Fixture to be provided with vandal resistant housing and shatterproof acrylic lens Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
LS3	Surface mount linear fixture to integrate into side wall	Pershing Square Phase 1A	luminii BOSW-[LENGTH]-30K-HO-G-[MOUNTING]-[FINISH]-[POWER FEED]	Integral 3000K LEDs	4 w/lf	24V	LED	0-10V	installed to be vandal proof
SS1	Linear striplight with curvable channel for circular planters	Pershing Square Phase 1A	Beulux LLLS-31-30 LLLS02-CAL LLLS02-MC VLT Constant VOLTAGE Power Panel Alternate fixture option: Luminii Lighting	Integral 3000K LEDs	4 w/lf	24V	LED	0-10V	installed to be vandal proof Fixture will be powered from remote driver located in VLT - Constant VOLTAGE Power Panel Fixture lengths to be field verified prior to purchase by contractor. Fixtures to be provided as close to required dimensions as possible.
WR1	Recessed wall steplight with integral dimmable driver	Pershing Square Phase 1A	Bega 33-055-K3-[FINISH] Alternate fixture option: Targetti Lighting	Integral 3000K LEDs	9	120 - 277V	LED	0-10V	
WS1	Wall sconce	Pershing Square Phase 1A	Landscapeforms AH-004L3-100F-30K-UV1-MW1 Alternate fixture option: Ligman Lighting	Integral 3000K LEDs	28	120 - 277V	LED	0-10V	installed to be vandal proof

SHEET INDEX

Sheet List Table	
Sheet Number	Sheet Title
LI100	LIGHTING COVER SHEET
LI111-1A	GROUND LEVEL - LIGHTING PLAN
LI121-1A	PARKING LEVEL 1 - LIGHTING PLAN
LI131-1A	PARKING LEVEL 2 - LIGHTING PLAN
LI141-1A	PARKING LEVEL 3 - LIGHTING PLAN
LI791-1A	ELEVATOR CAB - LIGHTING PLANS

GENERAL LIGHTING NOTES

General Provisions

1. Provide all materials as detailed on drawings, specifications and/or schedules, and labor as required to achieve a complete and operating lighting system.
2. Contractor shall be responsible for all electrical permits and inspection fees. It is the responsibility of the contractor to schedule all electrical inspections required by the building department and serving utilities.
3. Contractor shall perform all work in strict accordance with all local and national governing codes, including seismic, if applicable. Work not in conformance with applicable codes shall be brought into compliance at the Contractor's expense.
4. All electrical material and equipment shall be in new condition when installed. All equipment shall be listed, labeled or certified by a nationally recognized testing laboratory. Immediately notify lighting designer if any specified lighting equipment is not appropriately listed, or arrives without appropriate labeling.
5. All equipment shall be factory tested to ensure proper operation prior to shipment to job site.
6. Contractor shall guarantee all materials and workmanship related to the electrical installation for a minimum period of one year from the date of ownership turnover. Any defects in materials or workmanship during this guarantee period shall be corrected at the contractor's expense.
7. Contractor shall visit site prior to bid date, to verify all existing conditions to be encountered in the installation of all new equipment, fixtures, devices, feeders, etc. Exact installation method and requirements shall be verified and determined prior to bid date. Contractor shall immediately notify lighting designer of any required modifications that are not shown on the drawings. Submittal of bid indicates contractor is cognizant of all job site conditions and work to be performed.
8. All equipment, electrical characteristics, locations, and connection requirements shall be verified prior to any rough–in work.
9. The complete electrical system shall be grounded in accordance with NEC requirements.
10. Electrical contractor shall be licensed in the jurisdiction where the project is located, and capable of employing the proper labor force necessary to complete the installation as instructed by owner.
11. Provide shipment of all lighting and related equipment to be delivered to the job site.
12. Delivery of equipment to the job site shall be in clearly identified crates, cartons, or appropriate shipping containers as to item, quantity, and installation location. Once received, lighting equipment shall be secured and protected from the elements.
13. Contractor shall be capable of making emergency warranty repairs within twenty–four (24) hours of notification when a system or component malfunctions during use.
14. All measurements found in lighting plans are approximate. Contractor shall make field measurements based on actual site conditions to develop complete orders and install systems per drawings and specifications.
15. Emergency egress lighting shall be the responsibility of the electrical engineer in consultation with the owner's representative.
16. Contractor shall properly verify all circuitry, dimming and control prior to test and adjust phase commencing.
17. Contractor to refer to Architectural (A) and Lighting Drawings (EL) and specification packages for all mounting heights and details for special mounting requirements.
18. Contractor services shall include necessary systems integration and engineering, project management and interface with owner, consultants, architects, contractors and all other parties necessary to provide a complete and working lighting system.
19. Contractor services shall include a Systems Integrator (SI) to properly coordinate the installation and set up of the specialty fixtures and control equipment (e.g. DMX, Ethernet, RS232, SMPTE etc.) on the job site regardless of the manufacturer of the fixtures or control equipment.

Installation

1. All fixture voltages shall be verified by the contractor prior to the release of fixture order
2. Fixtures shall have appropriate UL or other recognized testing agency label, as well as damp or wet listing as required by local codes.
3. Fixtures shall include accessories for installation according to local and national codes.
4. Prior to ordering lighting equipment, the contractor shall verify:
   a. Fixture locations
   b. Fixture mounting conditions
   c. Ceiling trim compatibility
   d. Recess depths
   e. Existence of IC or other restrictive conditions
   f. Fire rated ceiling or locations
   g. Fixture voltage
6. Contractor to provide and coordinate approved fire–rated enclosures for lighting fixtures located in a fire–rated ceiling.
7. Contractor to coordinate IC housing requirements, if any, as required.
8. Lamps and accessories (e.g. color filters, louvers, etc.) shall be installed in fixtures in accordance with the provided fixture schedule.
9. Ceiling thickness in excess of ¾" or 20mm shall be identified in writing by the Contractor or Architect.
10. Fixtures shall be ordered with the appropriate ballasts complete UL , CBM or other recognized testing lab labels. Where required, ballasts shall conform to Title 24 or other energy code requirements for performance, switching, and wiring (e.g. tandem wired, bi–level switching, etc.).
11. Walls directly illuminated by uplight or downlight wall wash shall be installed and finished in a manner to eliminate shadows or blemishes (e.g. hang dry wall vertically, and level 5 drywall finish).
12. The drawings are diagrammatic and represent the design intent of the equipment, devices, etc. to be connected and the circuits to which they are to be connected to. Contractor shall install all conduit, j–boxes, etc., as required for a complete and operating system.
13. All custom length fixtures (e.g. continuous wall slot fixtures) shall be field measured prior to ordering, and manufacturer shop drawings issued to the lighting designer for review prior to release for manufacture
14. Contractor shall include all miscellaneous items required to complete work and make fixture and lighting systems fully operational.
15. Lighting fixtures, shown in these drawings, shall not be used as worklights during construction and shall be fully operational at the time of opening to the public.
16. Contractor shall provide Owner and Lighting Designer with one set each of electrical "As–Builts" at the completion of job.
17. Lighting Design Alliance specifically reserves the right to relocate any equipment or outlet at no increase in contract cost prior to its installation (in case of standard product) or release for manufacture (in the case of custom product), regardless of prior shop or design drawing review.
18. Contractor shall be responsible for rough and final aiming and focus of all lighting fixtures as directed by lighting designer during Test and Adjust phase.

Execution

1. All conduit runs shall be concealed unless shown otherwise, or approved.
2. Existing conditions shown are from available record drawings and visual field survey and are shown for reference only. Contractor shall verify actual existing conditions at site.
3. Contractor to supply a minimum of two electricians for each Lighting Designer directing focus during the Test and Adjust phase (AKA Focus and Programming). Electricians to be minimum journeyman level experience. Contractor must supply adequate support including ladders, lifts or other equipment required to access fixtures at the time for focus, including evening or night work as may be required due to schedule conflict or daylight impact.
4. Contractor to have all necessary equipment available throughout Test and Adjust phase including, but not limited to:
   - Standard contractor electrician hand tools.
   - Socket set
   - Clean lint–free towels or wipes to clean lenses and reflectors
   - Spare lamps for fixtures being focused
   - Ladders, fully–charged lifts or other means of access to areas being focused.
   - Safety harnesses or other devices as required.

Submittals

1. Contractor to submit for approval on the products he intends to furnish within (7) days of award of contract. Failure to submit within deadline constitutes a guarantee that only the base specified products will be supplied and that no other products, whether listed as alternates or not, will be considered.
2. Requests for approval of non–specified products must be accompanied by the following at least five (5) business days in advance of the bid submittal date:
   a. Specification data sheet complete with manufacturer name and specified model number, as well as manufacturer's published photometrics
   b. A list of comparable projects where the product has been used in the last (2) years
   c. Functioning sample of product, complete with cord and plug and specified lamp
3. Manufacturers of submitted products must have been in business for five years and in no instance will this project be the occasion of the first installation of this product if it is not listed on the specification.
4. Contractor shall allow proper ordering time for procurement of fixtures. Lighting Design Alliance shall be notified immediately of any product substitutions as a result of delivery, prior to ordering alternate product. Failure to order fixtures with adequate lead–time to meet the installation schedule does not relieve the contractor of the responsibility to provide and install the specified product, even after substantial completion, with all labor and material charges for other trades at the contractor's expense.
5. Should a manufacturer fail to deliver a product that has been ordered within reasonable lead–time, contractor shall notify Lighting Design Alliance with a proposed alternate fixture. Lighting Design Alliance shall maintain final authority for authorization of any substitution.
6. Lamps and any accessories specified shall be included in the submittal package for all fixtures. If no submittal is made on lamps, lamps must be provided as specified, or from approved manufacturers: Philips, Osram Sylvania, General Electric, Ushio, and Venture.
7. Contractor shall provide Complete Maintenance Manuals including, but not limited to:
   a. Required scheduled maintenance.
   b. Original Manufacturer's Equipment (OME) technical data sheets.
   c. Detailed operating procedures.
   d. A list of recommended spare parts and lamps.
   e. Installation wiring diagrams.
   f. Shop drawings
   g. Installation and/or construction As–Built drawings.

Fixture Specifications

1. All lighting fixtures shall be mounted and supported in accordance with applicable safety standards and all national and local electrical codes.
2. All exterior equipment shall be rated for wet location and the IP rating of all equipment shall conform to the conditions in which the fixture is mounted.
3. Contractor shall provide fixture–mounting kits as required to suit the exact type of ceiling or condition to which they are mounted.
4. All fixtures shall be supplied with accessories as listed.
5. All remote transformers and /or ballasts are to be located as close to the fixture as possible, hidden from guest view in an accessible compartment that is well ventilated to provide heat dissipation.
6. All transformers shall be fused on the secondary side.
7. Contractor to supply lamps only from approved lamp manufacturers. Approved manufacturers: Philips, Osram Sylvania, General Electric, Ushio, Venture
8. Color filters shall be glass or dichroic unless otherwise indicated in drawings or specifications.
   a. Where a specific color has not been called for in specifications, contractor shall confirm color with lighting designer prior to ordering.
   b. Contractor to provide 20% additional color filters for each color and size.
9. Contractor to permanently label all color media in a manner that does not interfere with light output.
10. Contractor to verify all fixtures specified with a color filter are supplied with any and all attachment devices for the filter. This includes frames, snap rings, attachment hardware and/or filter standoff. All attachment hardware must be submitted by supplier for review prior to ordering of fixture. Review and approval shall be by lighting designer.
11. Contractor to verify all fixtures specified with a template (pattern or "gobo") are supplied with any and all attachment devices for the pattern. This includes pattern holders, snap rings, and/or installation hardware. Contractor to verify size and type of template material in conjunction with fixture specifications and lighting instrument schedule. All attachment hardware must be submitted by supplier for review prior to ordering of fixture. Review and approval shall be by lighting designer.
12. Contractor to provide lamps for all fixtures in full cases to exceed the number required by no less than 10%.
13. Contractor to replace all burned out or inoperative lamps at the end of the construction phase prior to Test and Adjust (also known as "aiming" or "focusing") phase and once again prior to Owner occupancy or project opening.

System Integrator

1. Lighting "System Integrator" (SI) shall mean the contractor responsible to provide, furnish and/or install, as noted, the specialty lighting equipment, dimming and control systems.
2. The SI shall terminate all lighting control data connections including, but not limited to, remote console data stations, lighting dimmer cabinets, lighting relay cabinets, architectural lighting control stations, lighting control rack, and all other low voltage lighting controls required to provide a functioning and complete lighting control network.
3. The SI shall set all necessary DMX Network addresses for each fixture or device requiring or receiving control signal according to lighting design paperwork/instrument schedule.
4. The SI shall certify that all lighting data cables are terminated correctly and functioning.
5. Services shall include necessary systems integration and engineering, project management and interface with owner, consultants, architects, contractors and all other parties necessary to provide a complete and working lighting system.
6. Services may include site visits and or attendance at coordination meetings with installation personnel. A minimum of two (2) site visits and two (2) coordination meetings are required during project duration and shall be included in base bid. Additional meetings and onsite time, as required, will be negotiable.
7. Termination of Ethernet lighting network wiring may be completed by a qualified subcontractor under the direction of the SI. SI remains responsible for certifying or accepting certification that Ethernet system meets all Ethernet standards.
8. All equipment shall be thoroughly tested, addressed, configured and "burned in" by the SI prior to shipment to the site to ensure mechanical and electrical integrity.
9. The SI shall have been in the specialty lighting distribution and installation business for a minimum of (5) years and shall have provided complete engineering and installation services on a minimum of five jobs of similar size and scope in the past five years.
10. The SI shall include the services of a factory engineer, who shall be available to report to the job site within fourteen (14) days of receipt of request from the Owner, contractor, or Lighting Design Alliance, and shall remain at the job site until the system is fully operational to the satisfaction of the lighting designer and/or owner's representative.
11. Specialty lighting equipment, such as automated luminaires and any device transmitting or receiving lighting control data shall be provided by SI
12. Systems Integrators are subject to approval by Lighting Design Alliance and Owner

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INDEX NO. **MF-300492**

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY:

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: LIGHTING COVER SHEET

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. LI100

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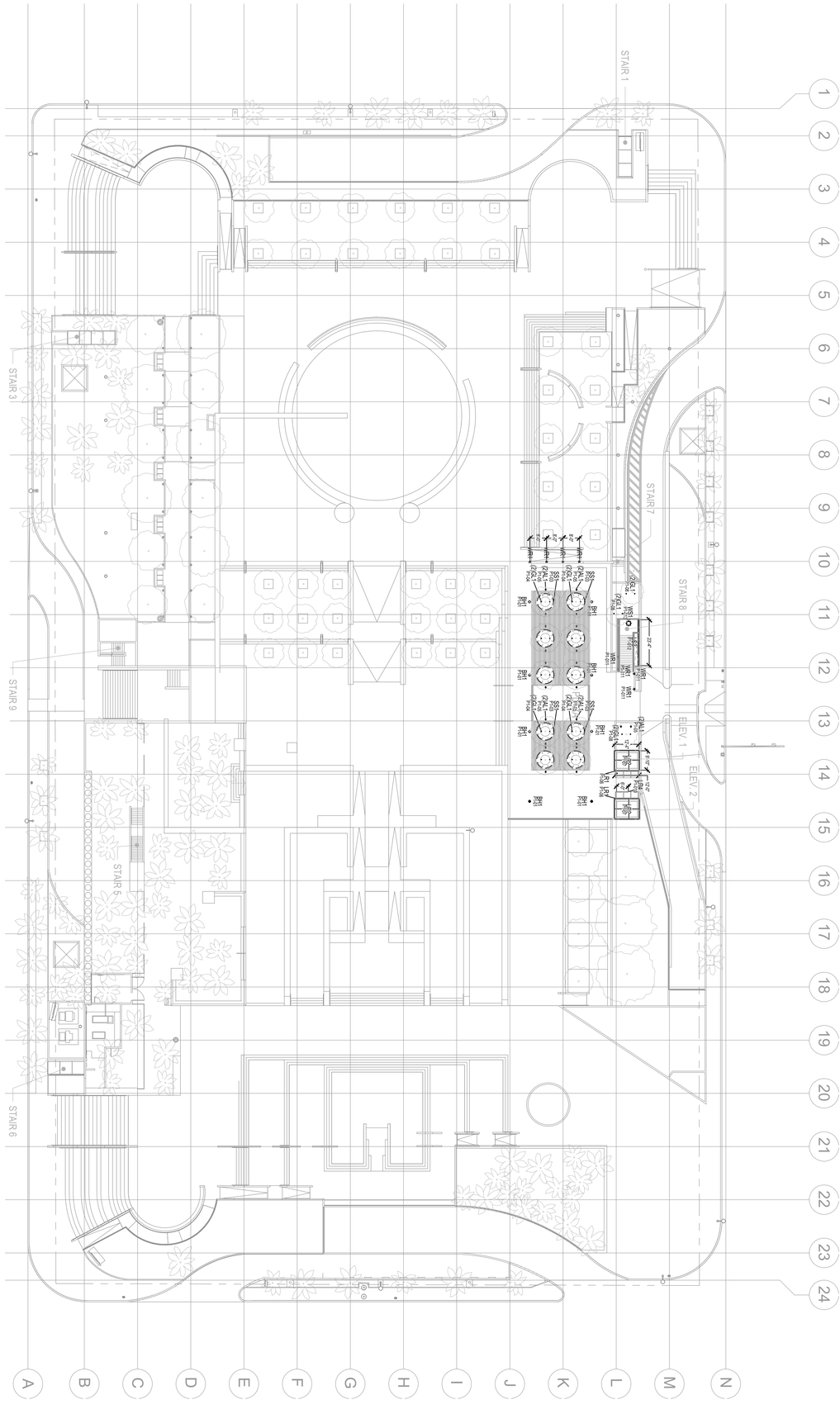

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SHEET LI111-1A OF SHEETS

DRAWING NO. | PLAN FILE NO. | WORK ORDER NO.

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: GROUND LEVEL - LIGHTING PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

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ARCHITECT: DEBRA GEROD	LIC. NO. C23665	12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES		
DRAWN BY: NG, CG		
CHECKED BY: JA		
APPROVED BY:		

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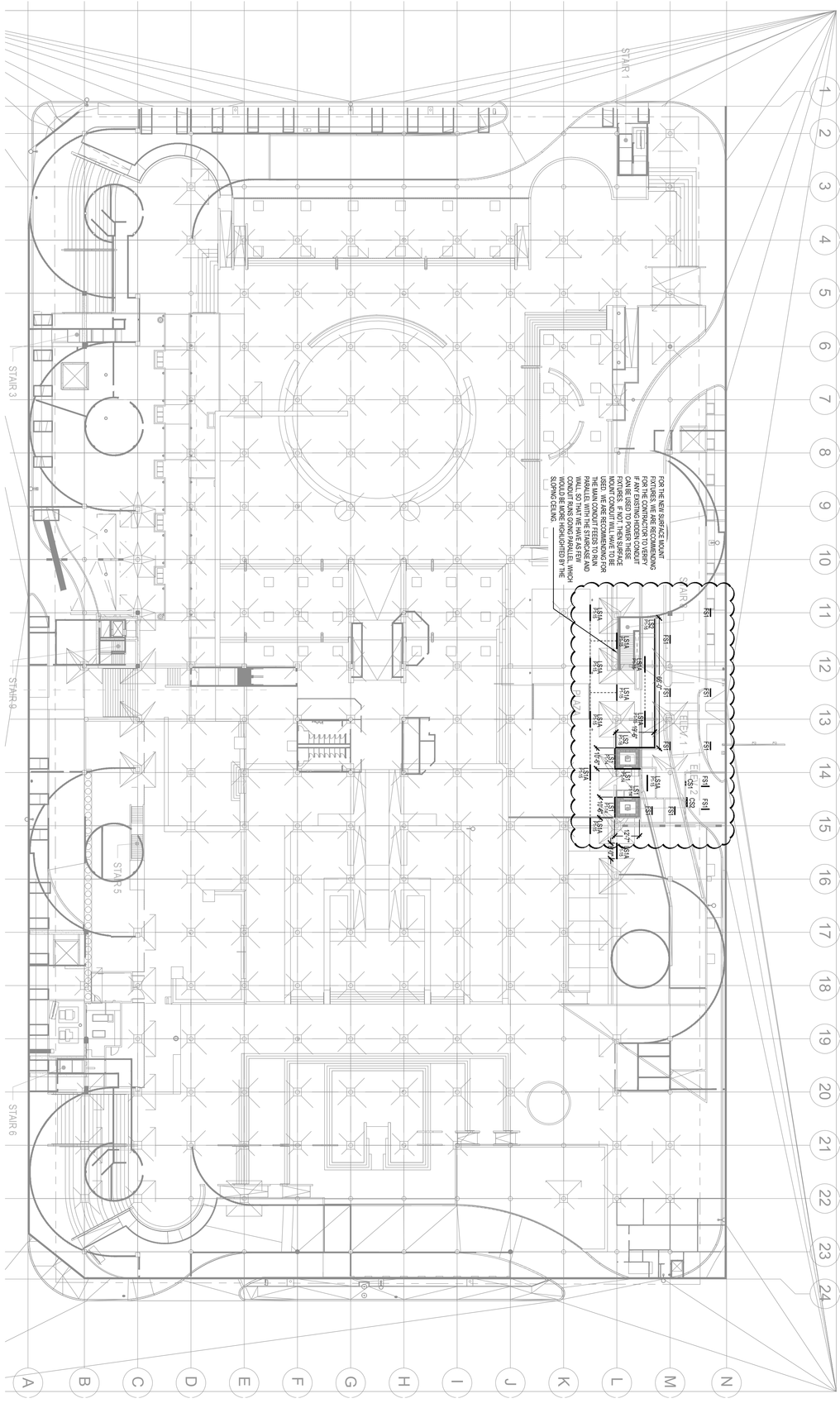

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VERTICAL CONTROL:	
HORIZONTAL CONTROL:	
SHEET TITLE:	PARKING LEVEL 1 - LIGHTING PLAN
PROJECT:	PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS:	530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION		DATE:
ARCHITECT: DEBRA GEROD	LIC. NO. C23665	12/16/2021
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CHECKED BY: JA		
APPROVED BY:		

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PLAN FILE NO.

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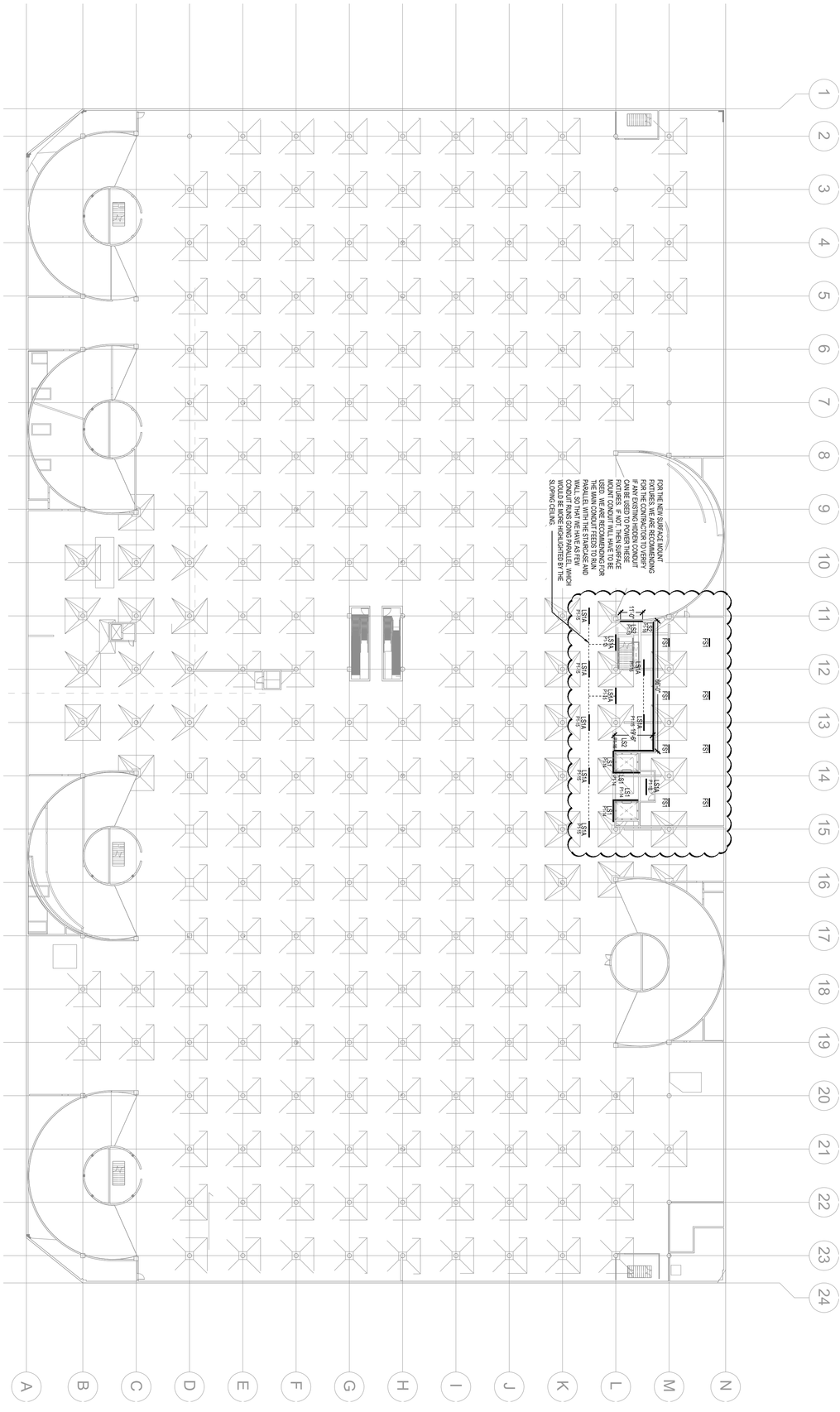

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SHEET LI131-1A OF SHEETS

DRAWING NO. | PLAN FILE NO. | WORK ORDER NO.

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 2 - LIGHTING PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION | DATE:

ARCHITECT: DEBRA GEROD LIC. NO. C23665 | 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY:

LICENSED ARCHITECT DEBRA A. GEROD STATE OF CALIFORNIA 08-31-13

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VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: PARKING LEVEL 3 - LIGHTING PLAN

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. LI141-1A

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ARCHITECT: DEBRA GEROD LIC. NO. C23665

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

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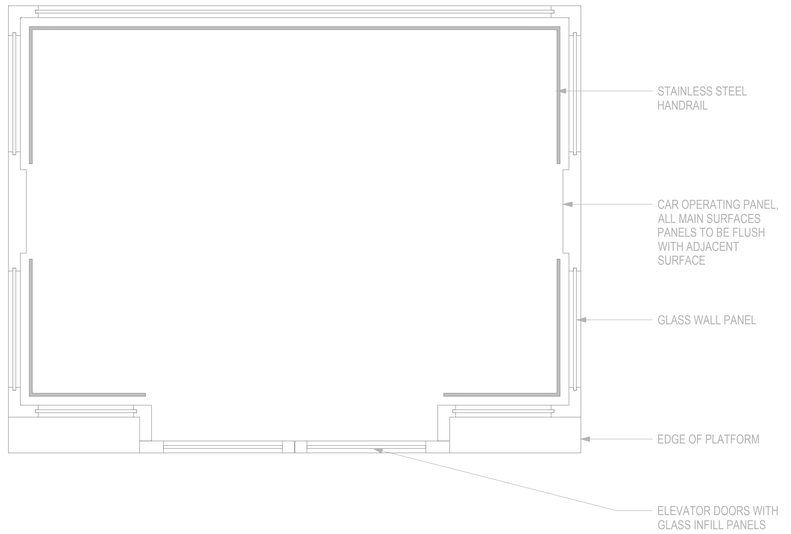
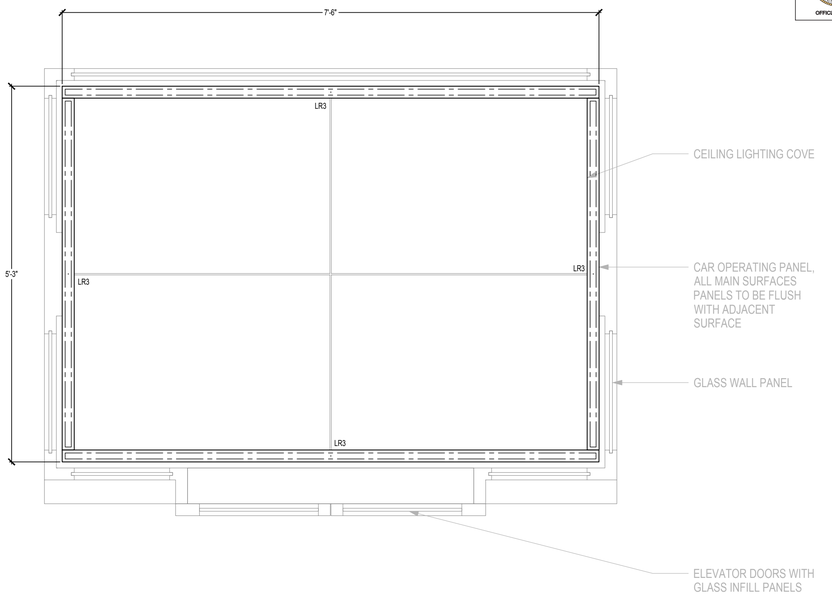


1 LIGHTING FLOOR PLAN
SCALE: 1" = 1'-0"



2 LIGHTING RCP
SCALE: 1" = 1'-0"

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BUILDING NO.

INDEX NO. **MF-300492**

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STATE OF CALIFORNIA

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GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY:

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: ELEVATOR CAB - LIGHTING PLANS

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO.
LI791-1A

SHEET SHEETS
OF

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Pershing Square Plaza

Plan Check – Phase 1A

Environmental Graphics

SHEET INDEX EG01-1A
EXISTING SIGNS TO BE REMOVED: IDENTITY EG02-1A
EXISTING SIGNS TO BE REMOVED: DIRECTION EG03-1A
EXISTING SIGNS TO BE REMOVED: REGULATORY EG04-1A
SITE PLAN & CONSTRUCTION PHASES EG05-1A
CIRCULATION PLAN EG06-1A
SIGN ELEMENTS EG07-1A
SIGN TYPES EG08-1A
SIGN LOCATION PLAN – GROUND LEVEL EG09-1A
SIGN LOCATION PLAN – PARKING LEVEL 1 . . . . . EG10-1A
SIGN LOCATION PLAN – PARKING LEVEL 2 . . . . . EG11-1A
SIGN LOCATION PLAN – PARKING LEVEL 3 . . . . . EG12-1A
SIGN DETAILS – A2 PAVEMENT STREET IDENTITY EG13-1A
SIGN DETAILS – A2 PAVEMENT STREET IDENTITY EG14-1A
SIGN DETAILS – A2 PAVEMENT STREET IDENTITY EG15-1A
SIGN DETAILS – A2 PAVEMENT STREET IDENTITY EG16-1A
SIGN DETAILS – A3 ELEVATOR IDENTITY GRAPHIC EG17-1A
SIGN DETAILS – A4 ELEVATOR STREET IDENTITY EG18-1A
SIGN DETAILS – A5 ELEVATOR LEVEL IDENTITY EG19-1A
SIGN DETAILS – A6 STAIR IDENTITY EG20-1A
SIGN DETAILS – A7 GARAGE PYLON IDENTITY EG21-1A
SIGN DETAILS – A8 GARAGE ENTRANCE IDENTITY EG22-1A
SIGN DETAILS – A9 COLUMN IDENTITY EG23-1A
SIGN DETAILS – B1 MAP/CONDUCT PYLON EG24-1A
SIGN DETAILS – C1 EVENT DISPLAY PYLON EG25-1A
SIGN DETAILS – C3 ELEVATOR DIRECTORY EG26-1A
SIGN DETAILS – C4 PARKING INFORMATION EG27-1A
SIGN DETAILS – D1 ACCESSIBILITY ROUTE SIGN EG28-1A
SIGN DETAILS – D2 PLAY AREA CONDUCT EG29-1A
SIGN DETAILS – D4 GARAGE CLEARANCE EG30-1A
SIGN DETAILS – D5 ELEVATOR ADA IDENTITY EG31-1A
SIGN DETAILS – D6 EVACUATION PLAN EG32-1A
SIGN DETAILS – D7 STAIR EXIT IDENTITY EG33-1A
SIGN DETAILS – D8 STAIRWELL ADA IDENTITY EG34-1A
SIGN DETAILS – D9 STAIRWELL LEVEL CBC IDENTITY EG35-1A

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OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SHEET INDEX

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

DATE: 12/10/2021

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG01-1A

SHEET OF SHEETS

PLOTTED:

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: BY: DATE:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

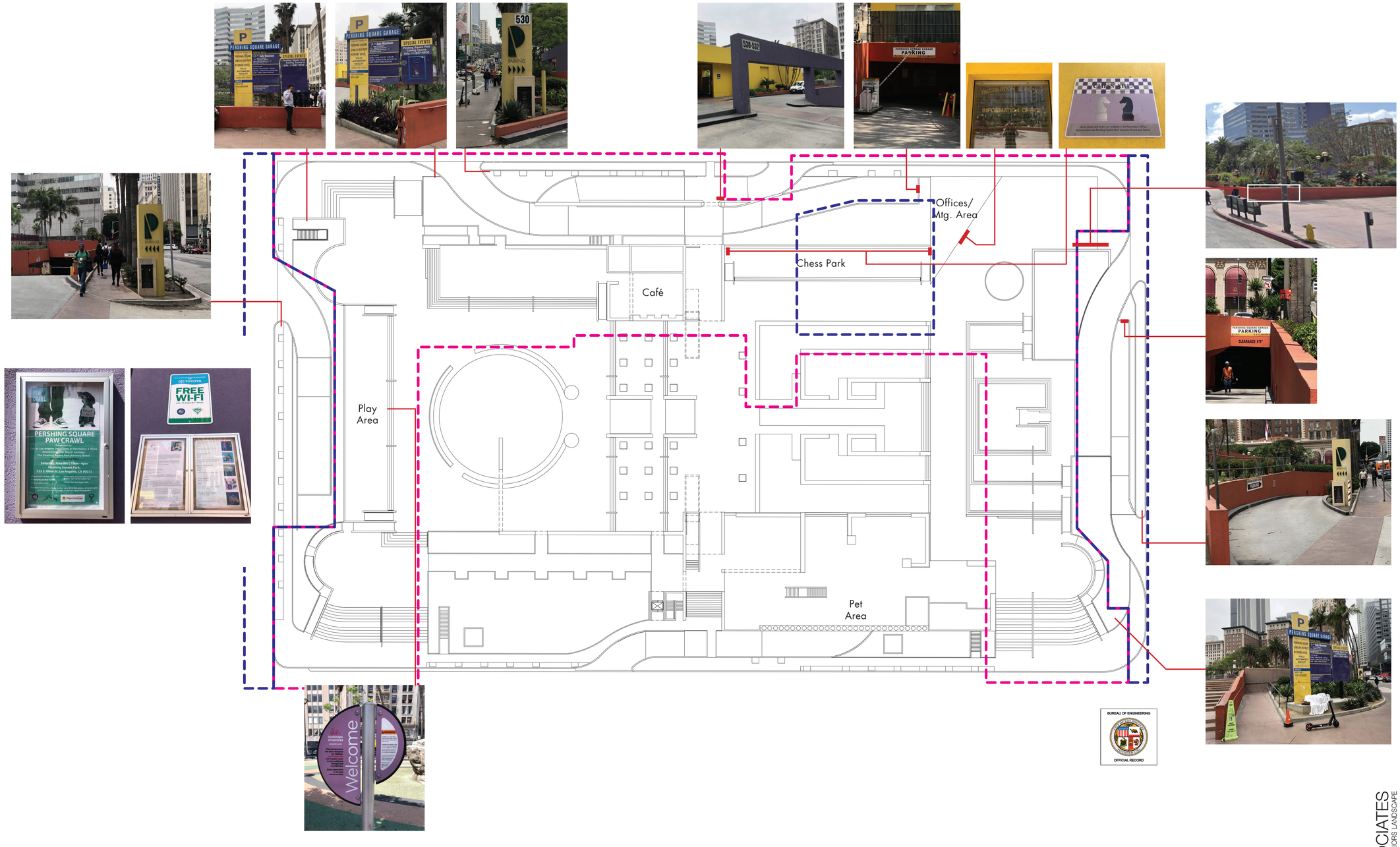
LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

EXISTING SIGNS TO BE REMOVED: IDENTITY/ADDRESSING/INFO.
TO BE REMOVED PRIOR TO CONSTRUCTION

LEGEND

PHASE 1A

PHASE 1B



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OFFICIAL RECORD

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

DATE: 12/16/2021

11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: EXISTING SIGNS TO BE REMOVED: IDENTITY

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG02-1A

SHEET OF SHEETS

PLOTTED:

EXISTING SIGNS TO BE REMOVED: DIRECTION TO BE REMOVED PRIOR TO CONSTRUCTION

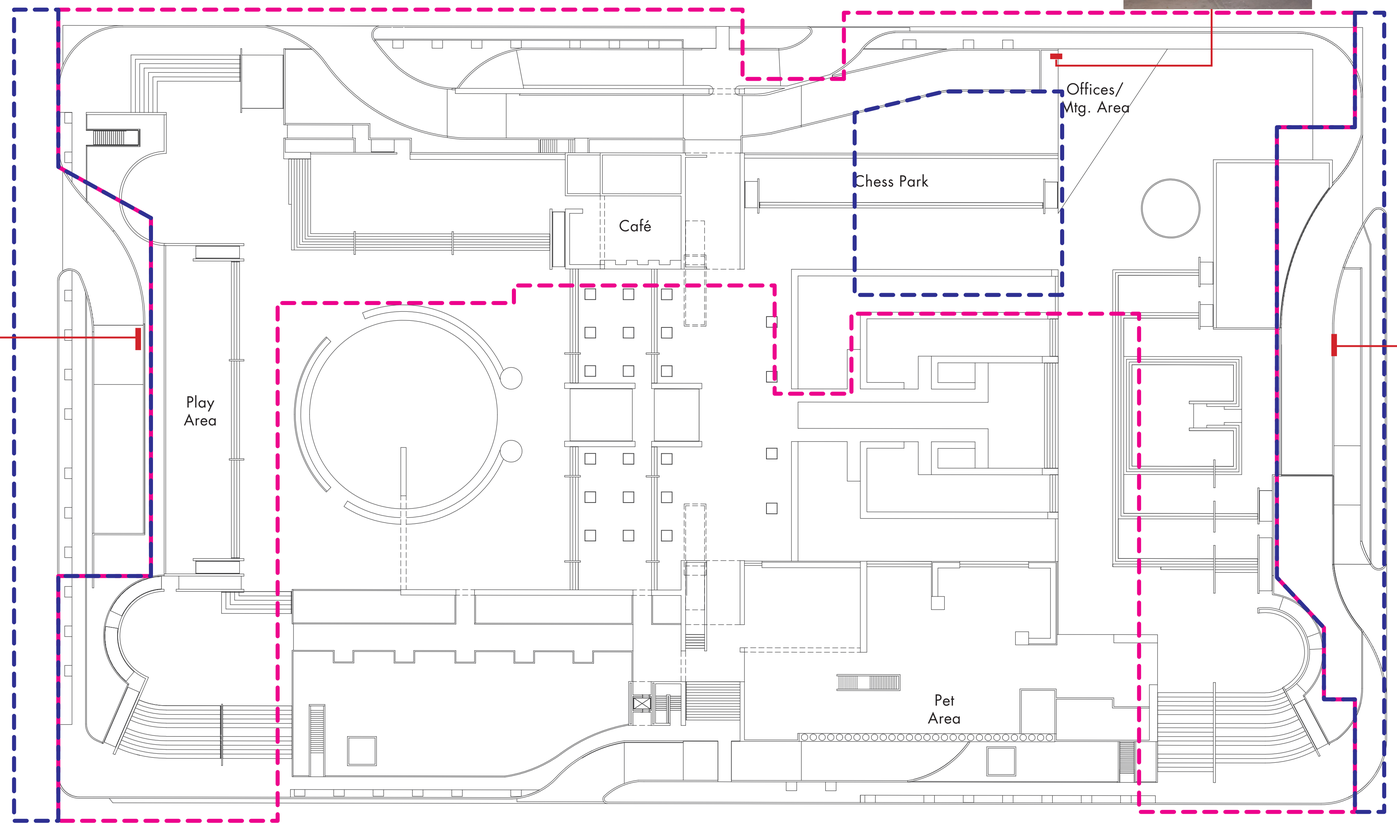
LEGEND

PHASE 1A

PHASE 1B









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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: EXISTING SIGNS TO BE REMOVED: DIRECTION

PROJECT: PERSHING SQUARE RENOVATION
PHASE 1A

ADDRESS: 530 S OLIVE ST.
LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER — DATE: 12/10/2021

ARCHITECTURAL DIVISION — LIC. NO. C23665

ARCHITECT: DEBRA GEROD — AGENCE TER & GRUEN ASSOCIATES

DESIGNED BY: NG, CG

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/09/201

WORK ORDER NO.

PLAN FILE NO.
[ENTER INFO.]

EG03-1A

SHEET OF SHEETS

PLOTTED:

EXISTING SIGNS TO BE REMOVED: REGULATORY
TO BE REMOVED PRIOR TO CONSTRUCTION

LEGEND

PHASE 1A

PHASE 1B













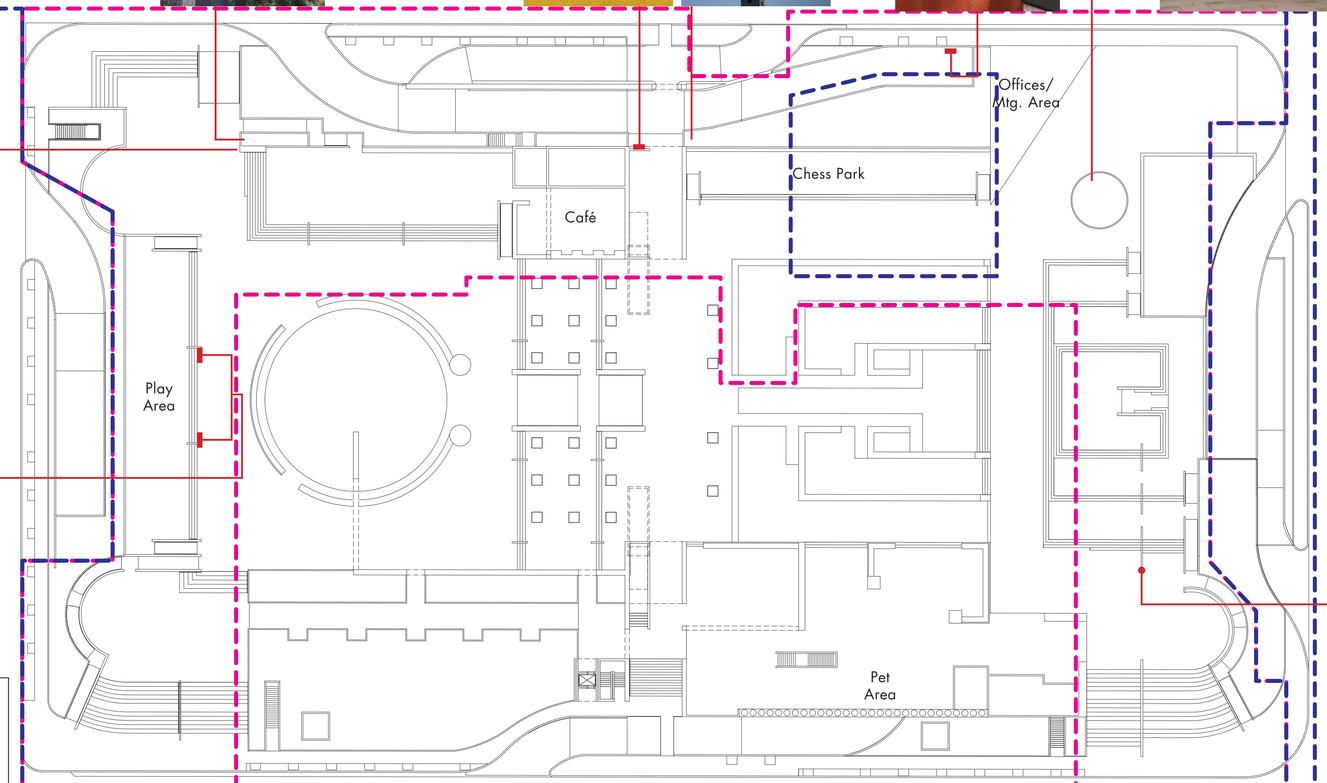







Display Cabinets Located
Throughout Park

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BUILDING NO. XX/XX

INDEX NO. - MF-300492

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DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/7/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: EXISTING SIGNS TO BE REMOVED: REGULATORY

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG04-1A

SHEET OF SHEETS

PLOTTED:

NOTES

PHASE 1A

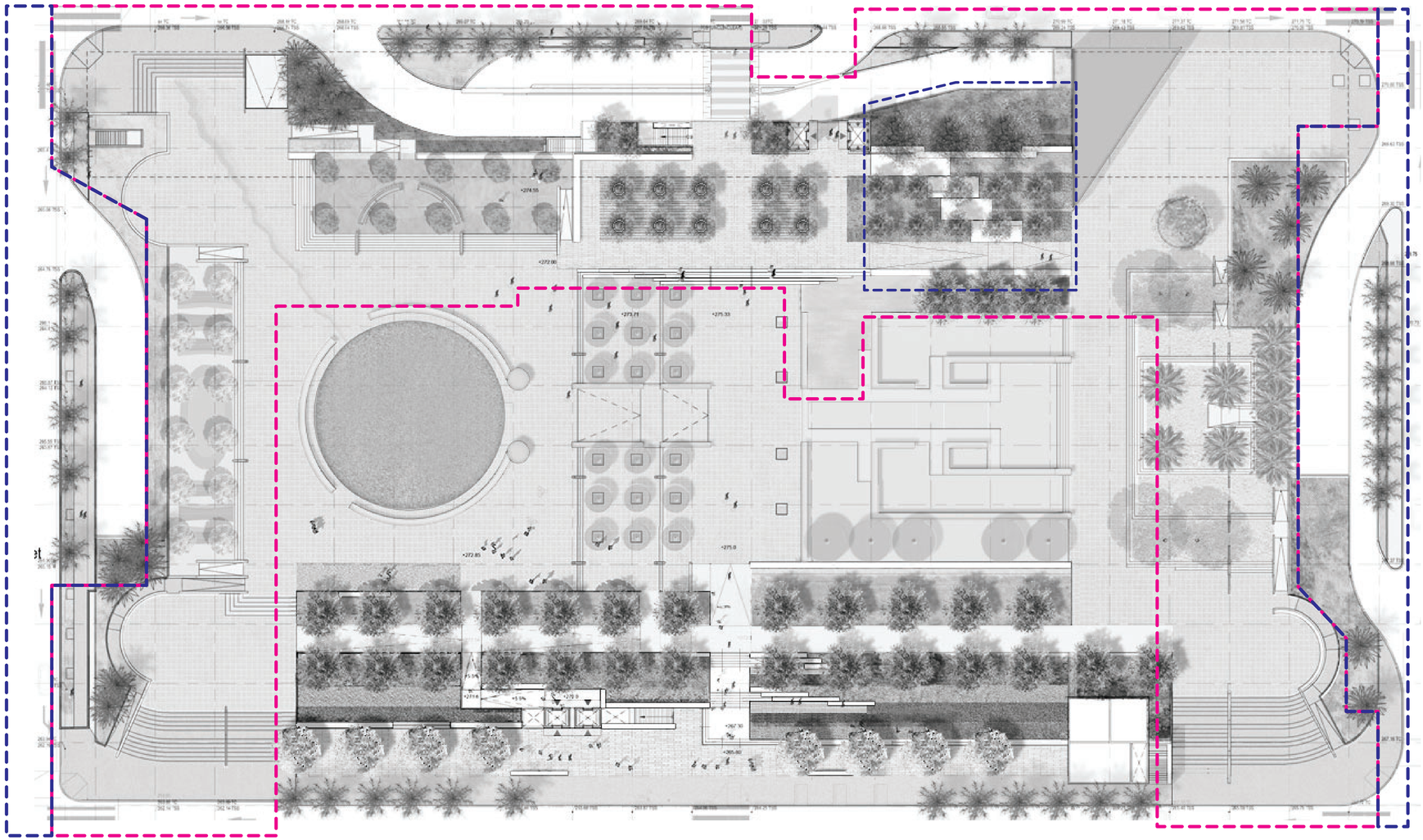
PHASE 1B

OLIVE STREET

6TH STREET

5TH STREET

HILL STREET



SITE ADDRESS: 532 S OLIVE ST, LOS ANGELES, CA

BUREAU OF ENGINEERING

OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - **MF-300492**

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ENGINEER: **GARY LEE MOORE, PE, ENV SP** CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23865 DATE: 12/10/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SITE PLAN & CONSTRUCTION PHASES

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

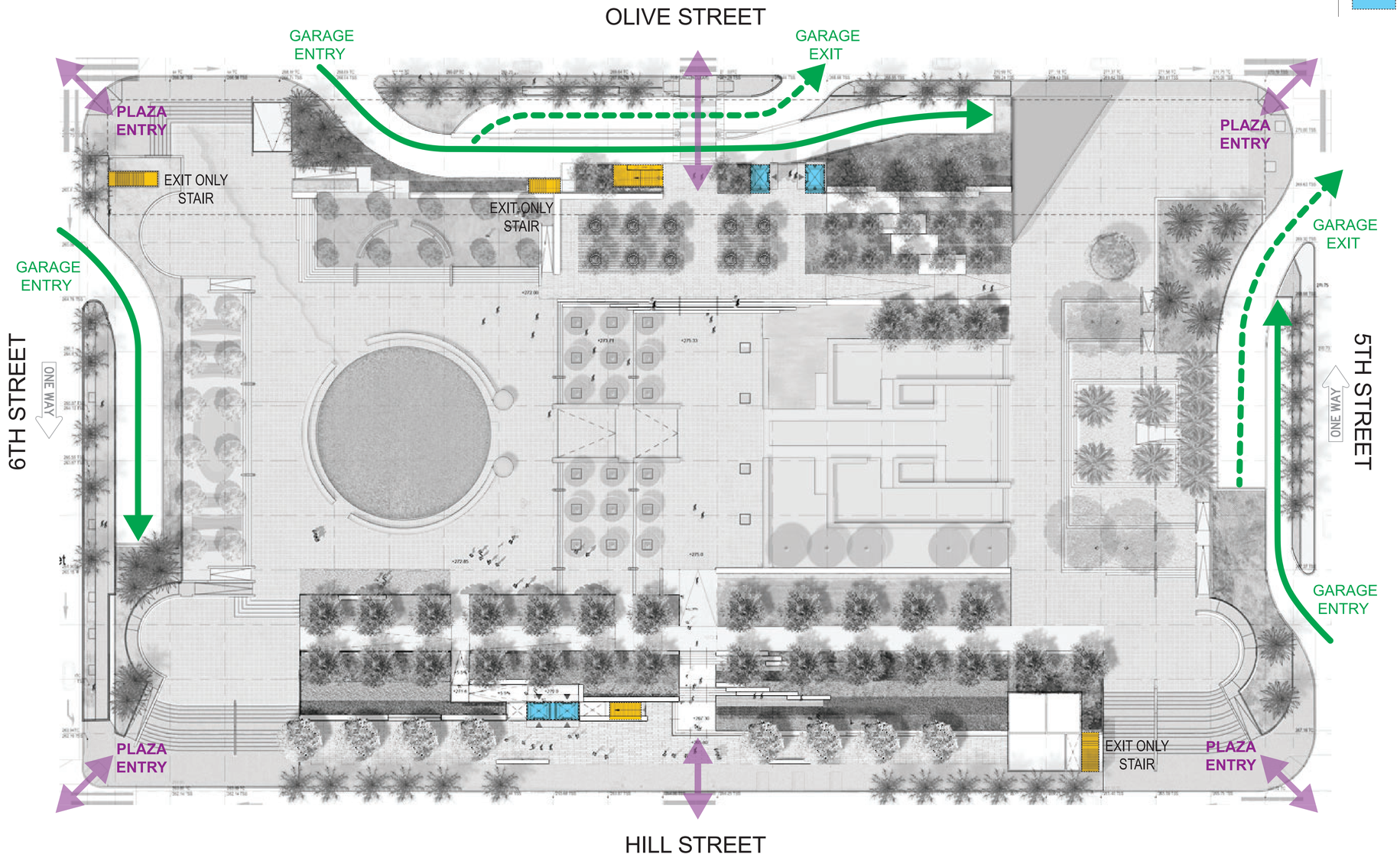
WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG05-1A

SHEET OF SHEETS

PLOTTED:



NOTES

- VEHICLE ROUTE
- PEDESTRIAN ACCESS
- STAIRS
- ELEVATOR

SITE CIRCULATION

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REVISION DATES (DESIGN STAGE ONLY)
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CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: CIRCULATION PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2020
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

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PAYSAGISTES URBANISTES

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG06-1A
SHEET SHEETS OF
PLOTTED:

TYPOGRAPHY

DIN Regular

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789
!@#$%^&*()

DIN Medium

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789
!@#$%^&*()

DIN Bold

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789
!@#$%^&*()

D-DIN Condensed

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789
!@#$%^&*()

SIGN TYPES AND QUANTITIES

Sign Type		QTY. P1A	QTY. P1B	QTY. P2
A1	Park Identity	0	1	0
A2	Pavement Street Identity	4	0	0
A3	Elevator Identity - Glass Graphic	2	0	1
A4	Elevator Street Identity	1	0	2
A5	Elevator Level Identity	12	0	12
A6	Stair Identity	3	0	3
A7	Garage Pylon Identity	1	2	0
A8	Garage Entrance Identity	1	2	0
A9	Column ID	6	0	5
A10	Stirway Street Identity	0	0	1
B1	Map/Conduct Pylon	5	0	1
C1	Event Display Pylon	3	0	1
C3	Elevator Directory	14	0	11
C4	Parking Information	1	2	0
D1	Accessibility Route Identity	5	0	1
D2	Play Area Conduct	2	0	0
D3	Pet Area Conduct	0	0	1
D4	Garage Clearance	1	2	0
D5	ADA Level Identity	9	0	4
D6	Evacuation Plan	21	0	16
D7	Stair Exit Identity	9	0	4
D8	Stairwell ADA Identity	9	0	4
D9	Stairwell Level CBC Identity	9	0	4
		P1A Total 118	P1B Total 9	P2 Total 75

INDICATES ALTERNATE ADDITION SIGN TYPES & QUANTITIES

Total Sign Quantity 202

PAINT COLORS

MP= Matthews Paint

P1 - WHITE
MP03673 White Atrium
Satin Finish

P2 - BLACK
PANTONE Black 6C
MP59647 Black Is Back
Satin Finish

P3 - SILVER
MP23302 Posate
Silver Metallic
Satin Finish

P4 - RED
PANTONE 186C
MP15024 Red Dragon
Satin Finish

P5 - ADA BLUE
FEDERAL STANDARD
#15180 Blue
Satin Finish

P6 - GRAY
MP5295 Neutral Grey
Satin Finish

P7 - YELLOW
MP10190 Highway Yellow
Satin Finish

P8 - LIGHT GRAY
MP7024 Timber Wolf
Satin Finish

P9 - CLEAR COAT
Satin Finish

VINYL COLORS

V1 - WHITE
3M 7125-20
Matte White

V2 - OVERLAY FILM
3M 1170 Protective
Overlay Laminate Film

V3 - DUSTED CRYSTAL
3M 7725SE-314
Acid-etched look

MATERIALS

M1
Aluminum

M2
Aluminum,
#4 Horizontal Brushed Finish

M3
Clear Acyrlic

M4
Stainless Steel
#4 Horizontal Brushed Finish

GRAPHICS

PARKING
DIRECTION ARROW
ACCESSIBILITY
METRO LINE
RESTROOM
STAIR
ELEVATOR
PLAY AREA
PET AREA
NO SCOOTERS
NO BICYCLES
NO SKATE BOARDING
NO ROLLER BLADES
NO LITTERING
NO ALCOHOL
NO SMOKING
NO LOUD MEDIA
NO PETS OFF LEASH
NO DRUGS
NO BLOCKING
NO FIRES
NO TENTS
NO SHOPPING CARTS
NO LOUD NOISE
NO VENDING
NO WADING IN FOUNTAIN
YOU ARE HERE
COMPASS ROSE
ELEVATOR
STAIRWELL
FIRE EXTINGUISHER
FIRE LIFE SAFETY
FIRE PULL
PRIMARY EXIT ROUTE
SECONDARY EXIT ROUTE

PERSHING SQUARE

PERSHING SQUARE

LOGOTYPE

NOTE:
FINAL ARTWORK FOR LOGOTYPE TO BE PROVIDED BY AGENCE TER.
SIGN CONTRACTOR TO CONFIRM WITH ARCHITECT.

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ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: BY: DATE:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/10/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN ELEMENTS

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

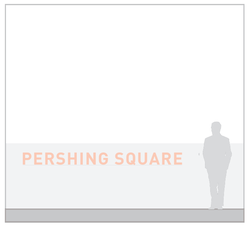
PLAN FILE NO. [ENTER INFO.]

EG07-1A

SHEET SHEETS OF

PLOTTED:

A1



PARK IDENTITY

A2



PAVEMENT STREET IDENTITY

A3



ELEVATOR IDENTITY GLASS GRAPHIC

A4



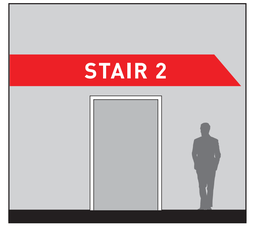
ELEVATOR STREET IDENTITY

A5



ELEVATOR LEVEL IDENTITY

A6



STAIR IDENTITY

NOTES

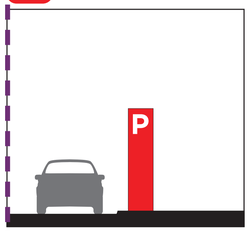
Refer to detail drawings for fabrication, materials, colors, and specifications.

SIGN TYPE KEY

- A IDENTIFICATION
- B DIRECTION
- C INFORMATION
- D REGULATION

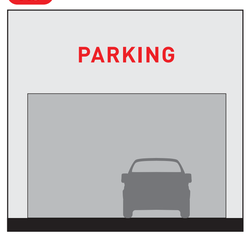
INDICATES ALTERNATE ADDITION SIGN TYPE/LOCATION

A7



GARAGE PYLON IDENTITY

A8



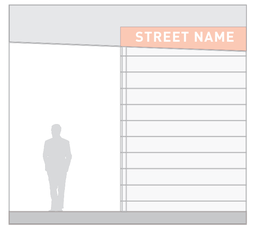
GARAGE ENTRANCE IDENTITY

A9



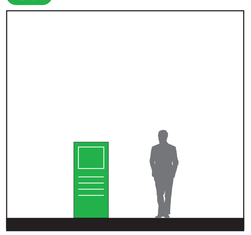
COLUMN LEVEL IDENTITY

A10



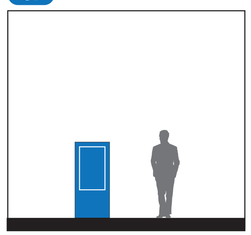
STAIRWAY STREET IDENTITY

B1



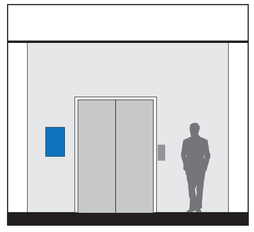
MAP / CONDUCT PYLON

C1



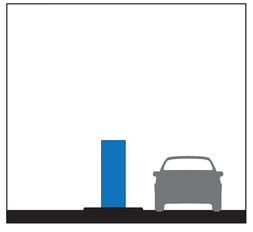
EVENT DISPLAY PYLON

C3



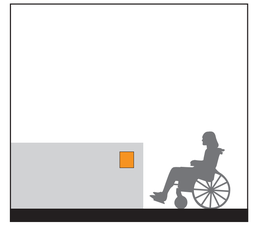
ELEVATOR DIRECTORY

C4



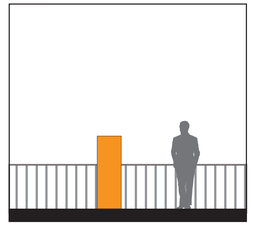
PARKING INFORMATION

D1



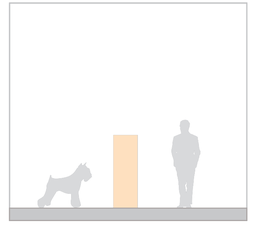
ACCESSIBILITY ROUTE IDENTITY

D2



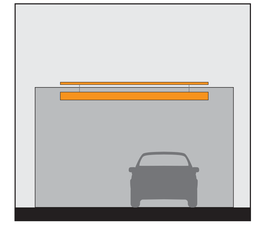
PLAY AREA CONDUCT

D3



PET AREA CONDUCT

D4



GARAGE CLEARANCE

D5



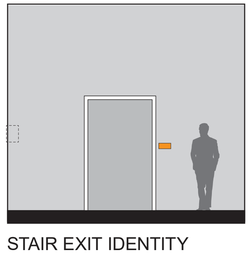
LEVEL ADA IDENTITY

D6



EVACUATION PLAN

D7



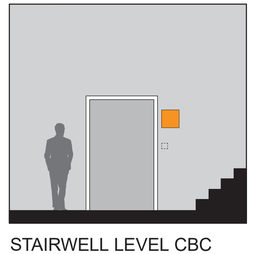
STAIR EXIT IDENTITY

D8



STAIRWELL ADA IDENTITY

D9



STAIRWELL LEVEL CBC IDENTITY

BUREAU OF ENGINEERING OFFICIAL RECORD

SIGN TYPES

GRUEN ASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: BY: DATE:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN TYPES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/10/2021
11/08/201

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]

EG08-1A
SHEET SHEETS OF

PLOTTED:

INDICATES ALTERNATE ADDITION SIGN TYPE/LOCATION

LEGEND

- A1 PARK IDENTITY
- A2 PAVEMENT STREET IDENTITY
- A3 ELEVATOR GLASS IDENTITY
- A4 ELEVATOR STREET IDENTITY
- A7 GARAGE PYLON IDENTITY
- A8 GARAGE ENTRANCE IDENTITY
- B1 MAP/CONDUCT PYLON
- C1 EVENT DISPLAY PYLON
- C3 ELEVATOR DIRECTORY
- C4 PARKING INFORMATION
- D1 ACCESSIBILITY ROUTE IDENTITY
- D2 PLAY AREA CONDUCT
- D4 GARAGE CLEARANCE
- PHASE 1A
- PHASE 1B
- STAIRS
- ELEVATOR

OLIVE STREET

6TH STREET

5TH STREET

HILL STREET

A7-02 C4-02 A8-02 D4-02 A3-01 A3-02 A2-01 B1-01 D1-01 C1-01 A7-01 B1-02 C3-01 C3-02 A4-01 A2-02 B1-03 C1-02 D1-02 D2-01 C4-01 D2-02 A8-03 D4-03 C4-03 D4-01 A8-01 B1-06 C1-04 A2-04 D1-06 D1-04 B1-04 A2-03 A7-03 D1-05

BUREAU OF ENGINEERING OFFICIAL RECORD

GRUEN ASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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PAYSAGISTES URBANISTES

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 12/10/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN LOCATION PLAN – GROUND LEVEL

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG09-1A

SHEET SHEETS OF

PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

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INDICATES ALTERNATE ADDITION SIGN TYPE/LOCATION

LEGEND

- A5 ELEVATOR LEVEL IDENTITY
- A6 STAIR IDENTITY
- A9 COLUMN IDENTITY
- C3 ELEVATOR DIRECTORY
- D5 ADA LEVEL IDENTITY
- D6 EVACUATION PLAN
- D7 STAIR EXIT IDENTITY
- D8 STAIRWELL ADA IDENTITY
- D9 STAIRWELL LEVEL CBC IDENTITY

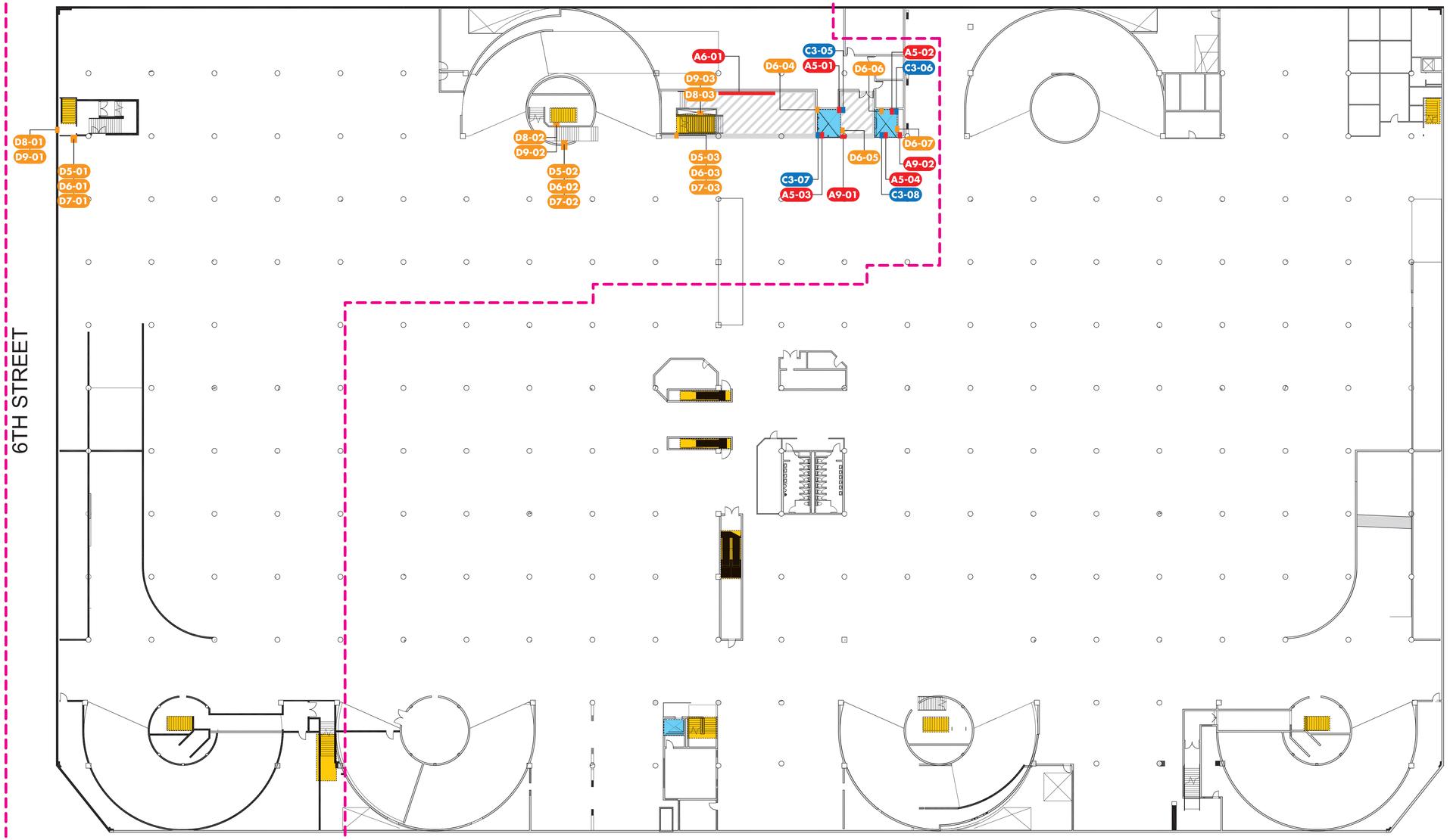
PHASE 1A
STAIRS
ELEVATOR

OLIVE STREET

6TH STREET

5TH STREET

HILL STREET



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BUREAU OF ENGINEERING

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN LOCATION PLAN – PARKING LEVEL 1

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
DATE: 12/10/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

WORK ORDER NO.

PLAN FILE NO.
[ENTER INFO.]

EG10-1A
SHEET OF SHEETS

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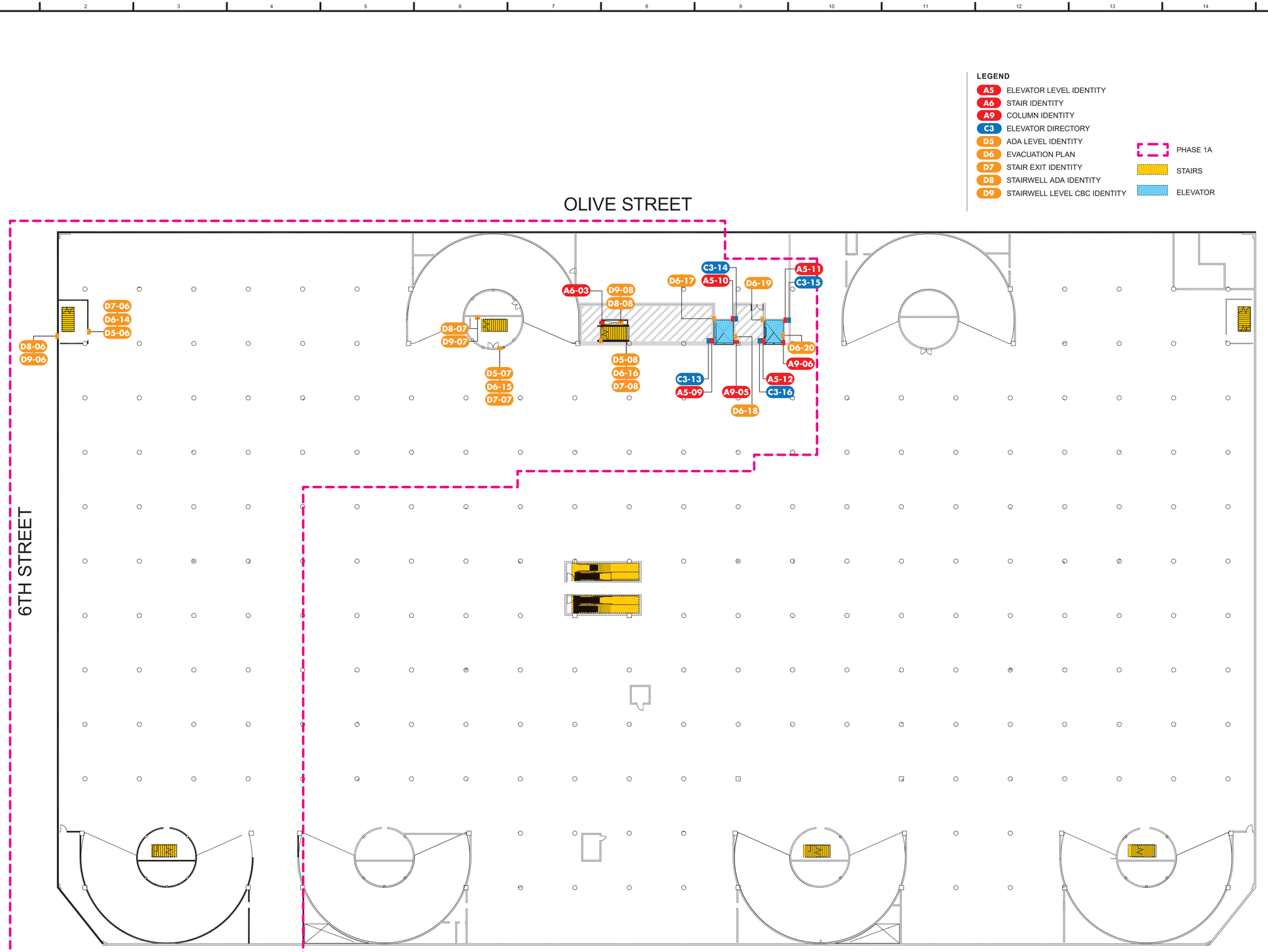
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA



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BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN LOCATION PLAN – PARKING LEVEL 2
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/10/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG11-1A
SHEET OF SHEETS
PLOTTED:

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LEGEND

- A5 ELEVATOR LEVEL IDENTITY
- A6 STAIR IDENTITY
- A9 COLUMN IDENTITY
- C3 ELEVATOR DIRECTORY
- D5 ADA LEVEL IDENTITY
- D6 EVACUATION PLAN
- D7 STAIR EXIT IDENTITY
- D8 STAIRWELL ADA IDENTITY
- D9 STAIRWELL LEVEL CBC IDENTITY

PHASE 1A
STAIRS
ELEVATOR

OLIVE STREET

6TH STREET

5TH STREET

HILL STREET

D7-10 D6-26 D5-10 D8-10 D9-10 D8-11 D9-11 D5-11 D6-27 D7-11 A6-05 D9-12 D8-12 D5-12 D6-28 D7-12 D6-29 C3-22 A5-17 D6-31 A5-19 C3-23 D6-32 A9-10 A5-20 C3-24 D6-30 C3-21 A5-18 A9-09

BUREAU OF ENGINEERING OFFICIAL RECORD

GRUENASSOCIATES
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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XXXX

INDEX NO. - MF-300492

LICENSED ARCHITECT
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REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 12/10/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/09/201

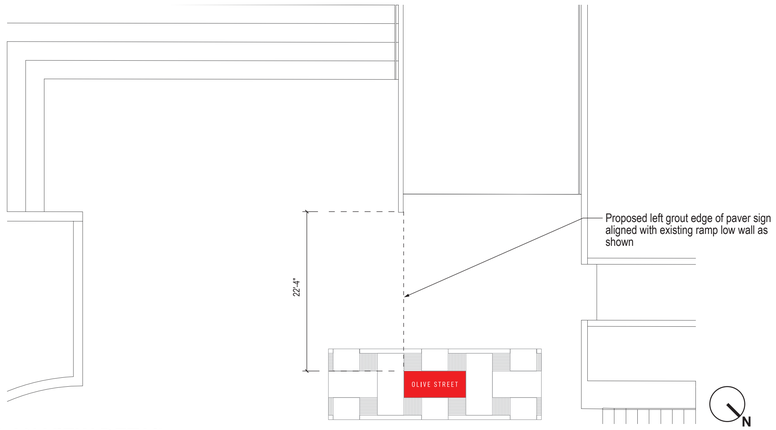
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN LOCATION PLAN – PARKING LEVEL 3
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]

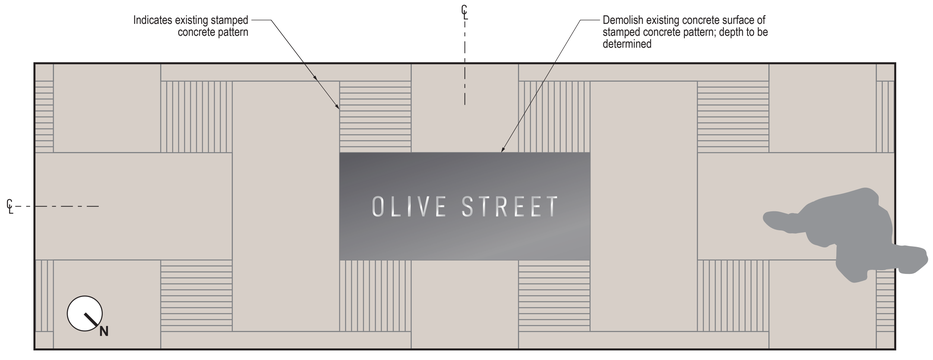
EG12-1A
SHEET OF SHEETS

PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:



6 PLAN VIEW DETAIL
SCALE: NTS



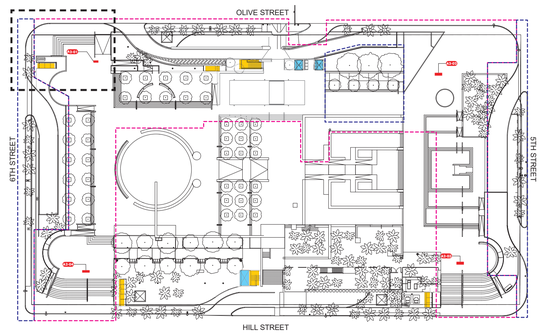
4 PLAN VIEW
SCALE: 1" = 1' -0"



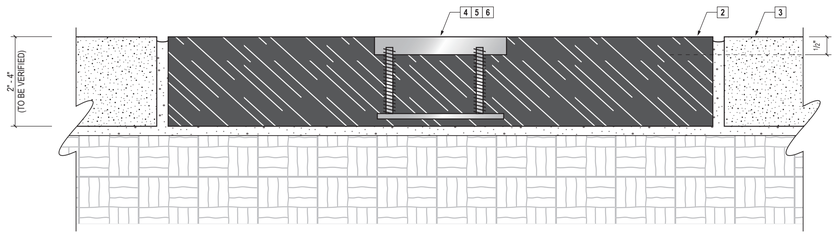
1 ELEVATION
SCALE: 3" = 1' -0"



5 CONTEXT RENDERING
SCALE: NTS



3 KEY PLAN



2 SIDE VIEW
SCALE: NTS

NOTES

1. DESCRIPTION: Street name identity paving stone/tile.
2. CUSTOM PAVER: Custom colored/stained concrete or stone paver with street name copy reveal to be infilled with metal copy.
3. EXISTING CONCRETE: Architecture/Landscape team to provide typical concrete material. Sign Contractor to confirm location with architect and GC; cut and remove existing concrete deck to size of sign paver.
4. MESSAGE: Stainless steel flat cut characters with #4 horizontal brushed finish, inset into custom paver with all thread stainless steel studs; face of paver aligns with surrounding surface at grade.
5. FONT: "D-DIN Condensed".
6. FINISH: Provide anti-graffiti clear coat.
7. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
8. COLOR SPECIFICATIONS:
   Paver stone material or concrete color - TBD

SIGN TYPE A2 – PAVEMENT STREET IDENTITY A2-01

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CITY OF LOS ANGELES

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INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/10/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – A2 PAVEMENT STREET IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG13-1A
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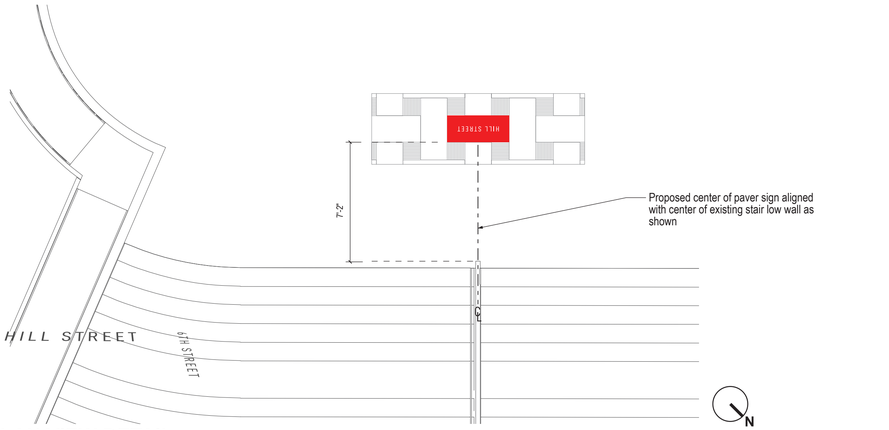

6 PLAN VIEW DETAIL
SCALE: NTS



5 CONTEXT RENDERING
SCALE: NTS

NOTES

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8. COLOR SPECIFICATIONS:
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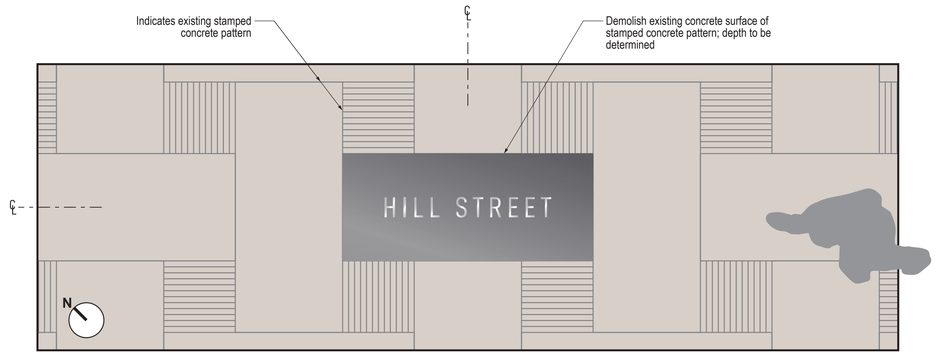
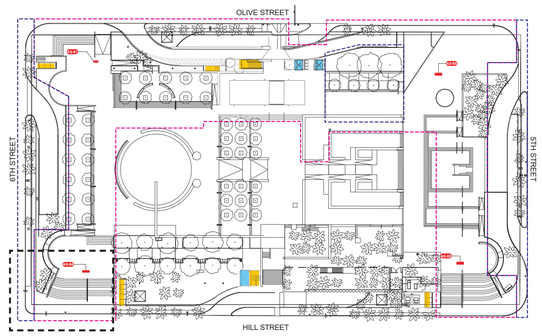


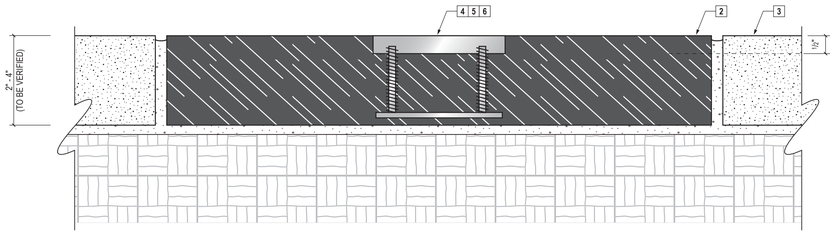
4 PLAN VIEW
SCALE: 1" = 1' -0"



3 KEY PLAN



1 ELEVATION
SCALE: 3" = 1' -0"



2 SIDE VIEW
SCALE: NTS

SIGN TYPE A2 – PAVEMENT STREET IDENTITY A2-04

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

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LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 12/10/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – A2 PAVEMENT STREET IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG14-1A
SHEET SHEETS OF
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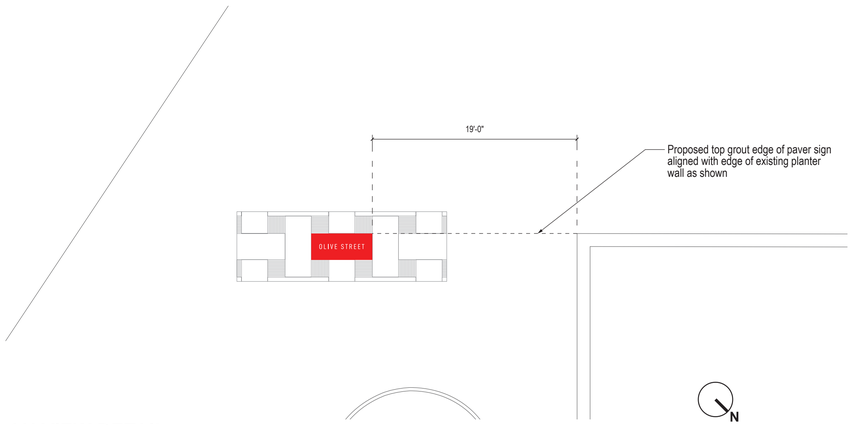
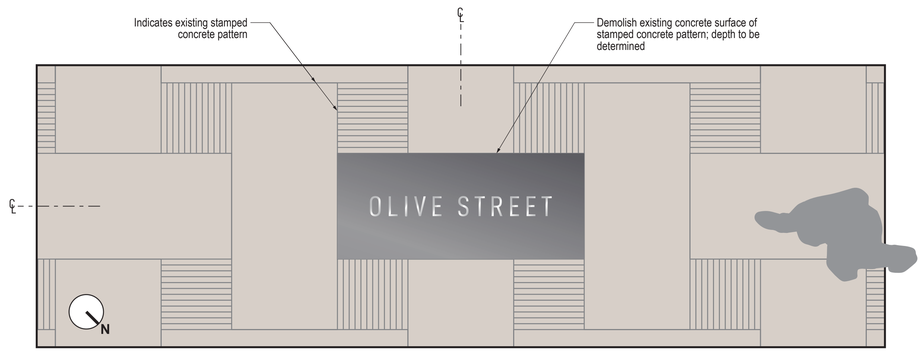


6 PLAN VIEW DETAIL
SCALE: NTS



4 PLAN VIEW
SCALE: 1" = 1' -0"



1 ELEVATION
SCALE: 3" = 1' -0"



5 CONTEXT RENDERING
SCALE: NTS

NOTES

1. DESCRIPTION: Street name identity paving stone/tile.
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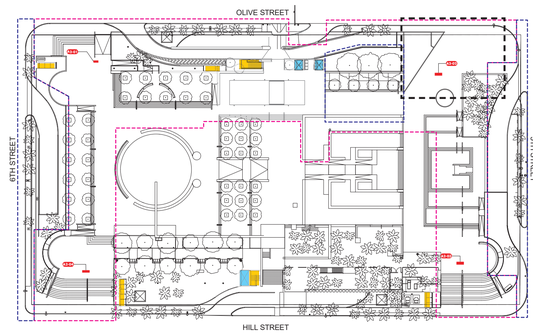
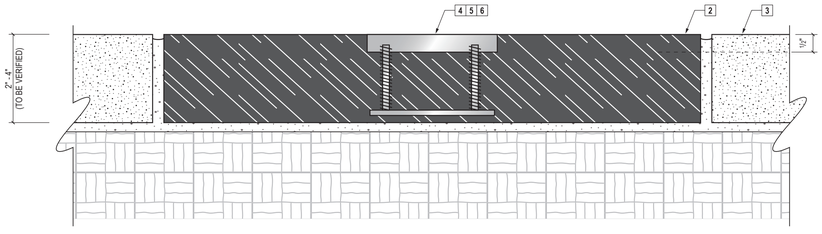


3 KEY PLAN



2 SIDE VIEW
SCALE: NTS

SIGN TYPE A2 – PAVEMENT STREET IDENTITY A2-02

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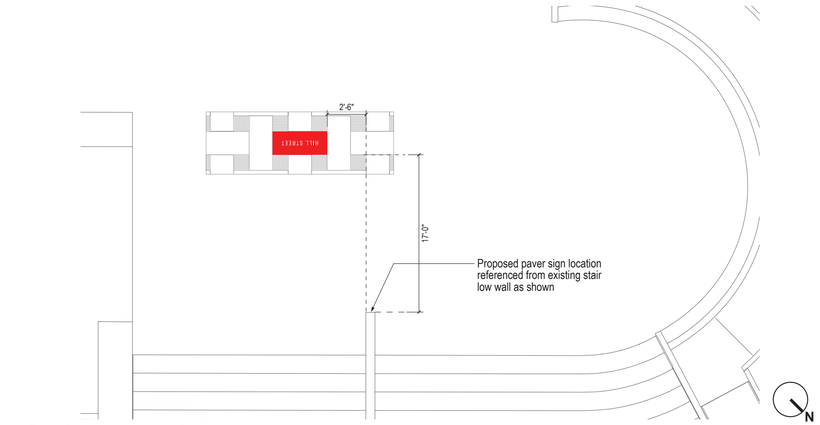
LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 12/10/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

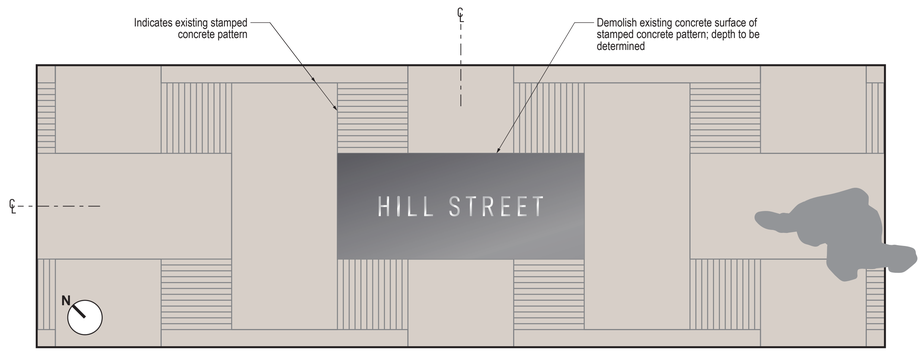
VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – A2 PAVEMENT STREET IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG15-1A
SHEET OF SHEETS
PLOTTED:



6 PLAN VIEW DETAIL
SCALE: NTS



4 PLAN VIEW
SCALE: 1" = 1' -0"

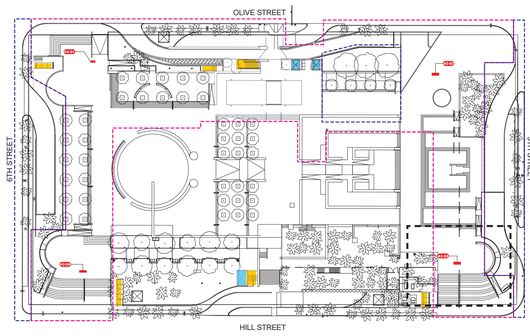


1 ELEVATION
SCALE: 3" = 1' -0"

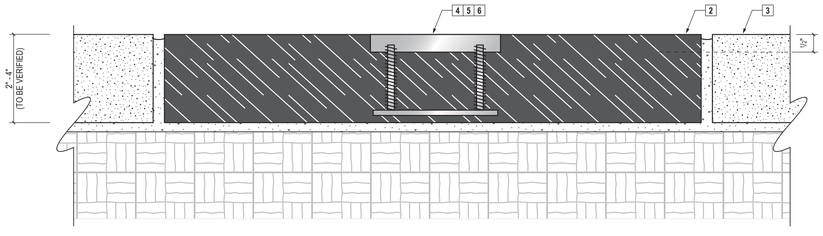
SIGN TYPE A2 – PAVEMENT STREET IDENTITY A2-03



5 CONTEXT RENDERING
SCALE: NTS



3 KEY PLAN



2 SIDE VIEW
SCALE: NTS

NOTES

1. DESCRIPTION: Street name identity paving stone/tile.
2. CUSTOM PAVER: Custom colored/stained concrete or stone paver with street name copy reveal to be infilled with metal copy.
3. EXISTING CONCRETE: Architecture/Landscape team to provide typical concrete material. Sign Contractor to confirm location with architect and GC; cut and remove existing concrete deck to size of sign paver.
4. MESSAGE: Stainless steel flat cut characters with #4 horizontal brushed finish, inset into custom paver with all thread stainless steel studs; face of paver aligns with surrounding surface at grade.
5. FONT: "D-DIN Condensed".
6. FINISH: Provide anti-graffiti clear coat.
7. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
8. COLOR SPECIFICATIONS:
   Paver stone material or concrete color - TBD

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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PAYSAGISTES URBANISTES

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REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/10/2021 | 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – A2 PAVEMENT STREET IDENTITY

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

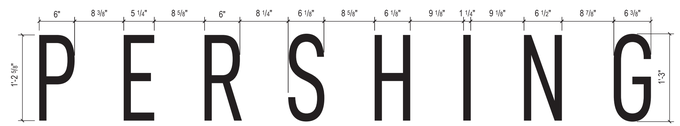
WORK ORDER NO. ----------

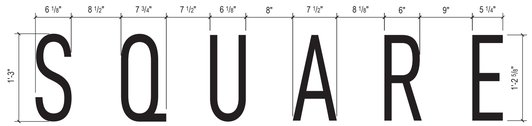
PLAN FILE NO. [ENTER INFO.]

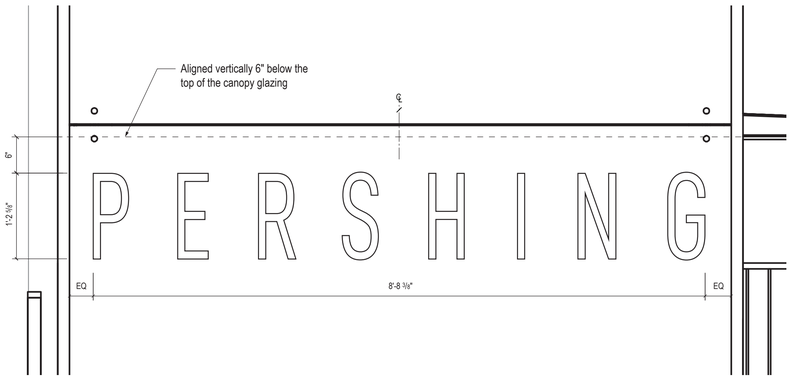
EG16-1A

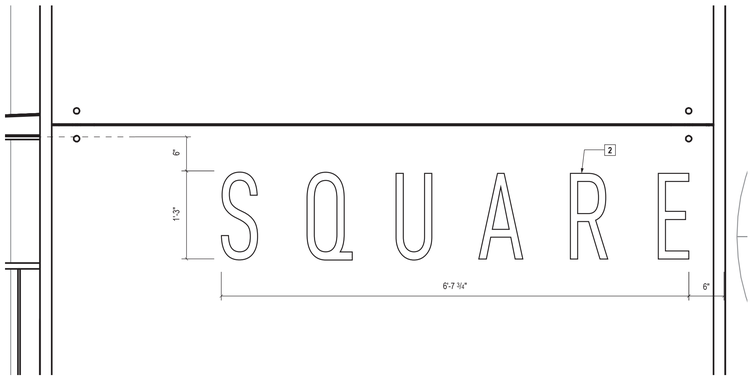
SHEET OF SHEETS

PLOTTED:



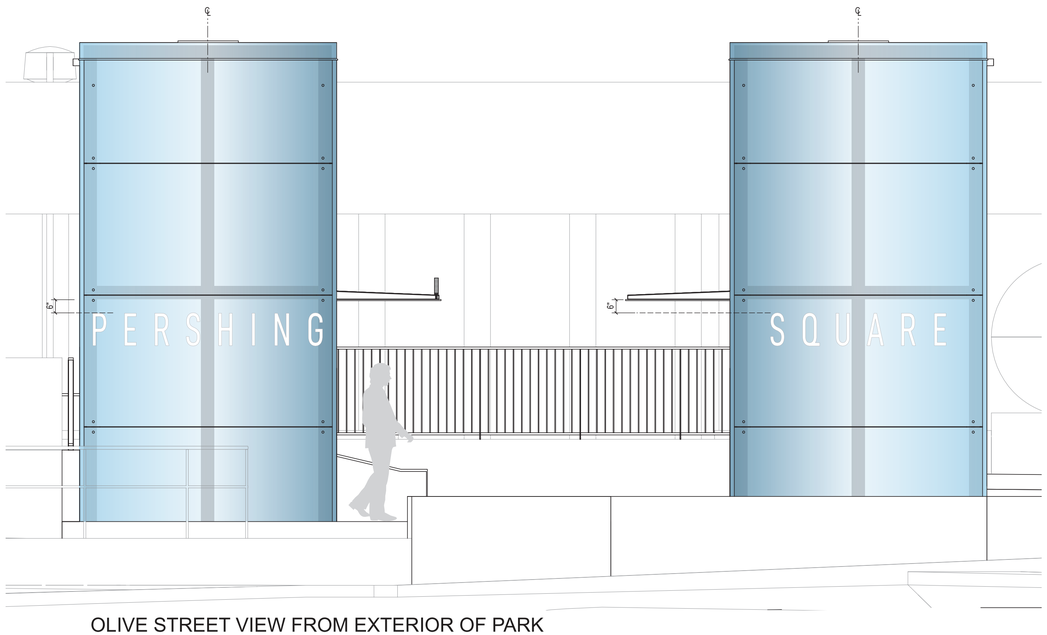






3 COPY DETAIL & LAYOUT

SCALE: 1" = 1' -0"



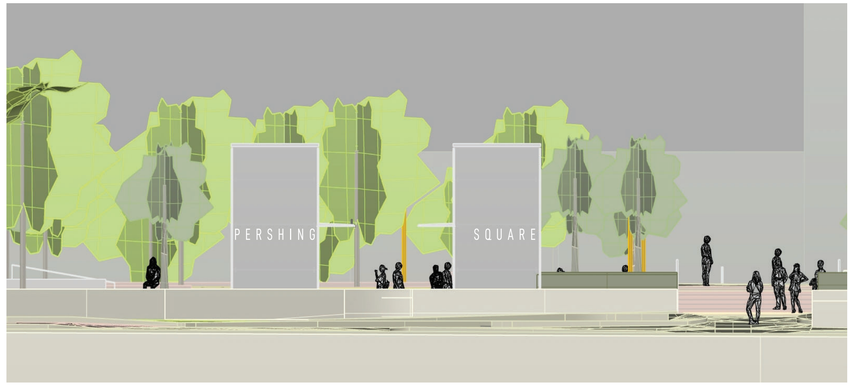
OLIVE STREET VIEW FROM EXTERIOR OF PARK

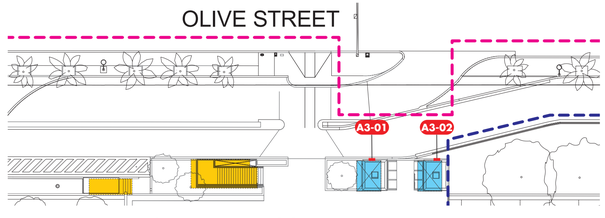
1 ELEVATOR SIDE ELEVATIONS

SCALE: 3/8" = 1' -0"

SIGN TYPE A3 – SITE IDENTITY GLASS GRAPHIC (OLIVE STREET)







2 KEY PLAN & RENDERINGS

NOTES

1. DESCRIPTION: Site elevator identity graphics.
2. MESSAGE: Etched into tempered elevator glass panels per architectural specifications.
3. FONT: "D-DIN Condensed" with modified letter "Q".
4. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
5. COLOR SPECIFICATIONS: Graphics - Etched into tempered glass.

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GRUENASSOCIATES ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

BUREAU OF ENGINEERING — CITY OF LOS ANGELES — ENGINEERING

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT — DEBRA A. GEROD — REN. 08-31-23 — STATE OF CALIFORNIA

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – A3 ELEVATOR IDENTITY GRAPHIC

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER — DATE: 12/10/2021

ARCHITECTURAL DIVISION — LIC. NO. C23665

ARCHITECT: DEBRA GEROD — AGENCE TER & GRUEN ASSOCIATES

DESIGNED BY: NG, CG

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT — 11/08/201

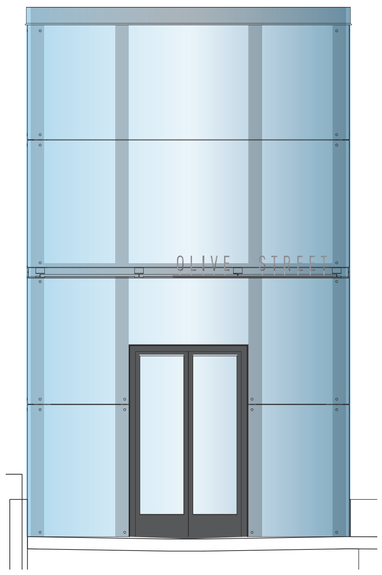
WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

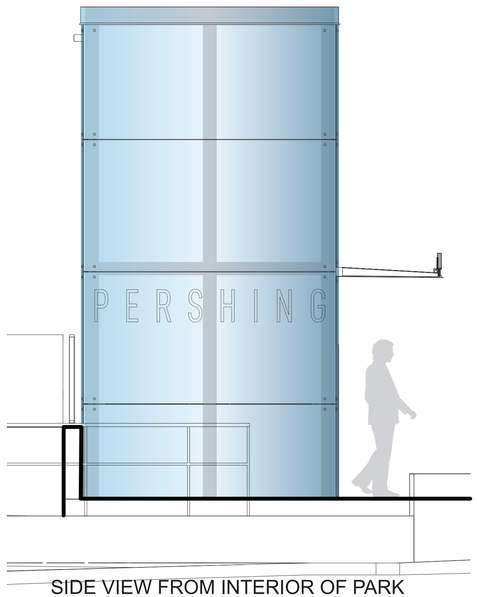
EG17-1A

SHEET OF SHEETS

PLOTTED:



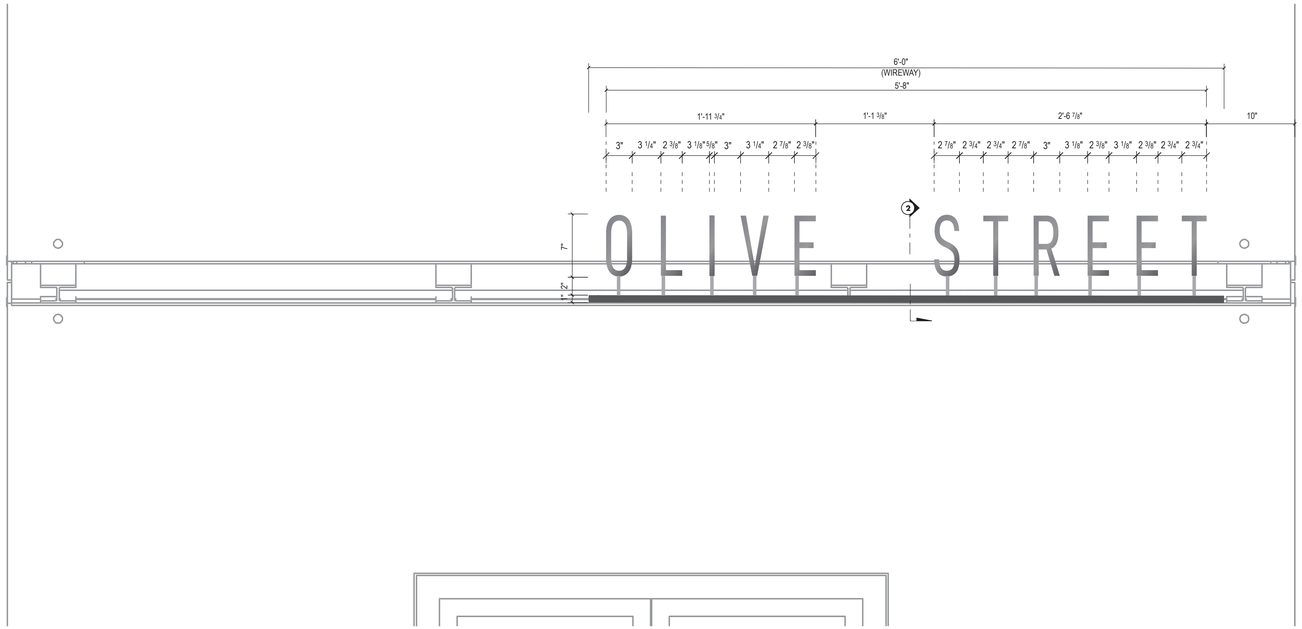
ELEVATOR FRONT VIEW



SIDE VIEW FROM INTERIOR OF PARK

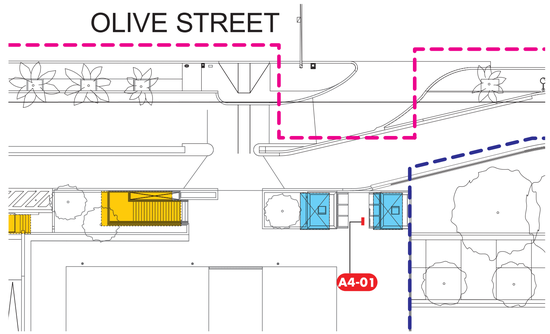
3 CANOPY FRONT & SIDE ELEVATIONS

SCALE: 3/8" = 1' -0"

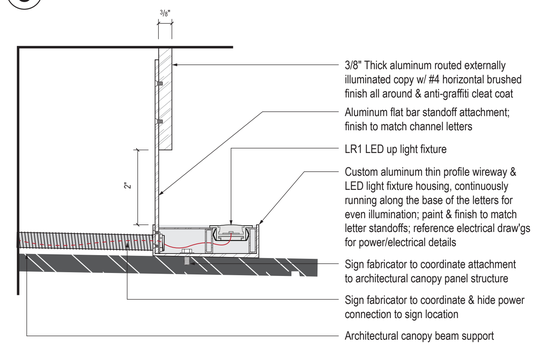


1 FRONT ELEVATION

SCALE: 1 1/2" = 1' -0"

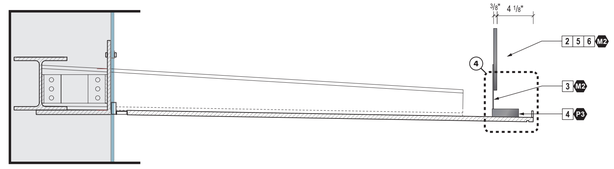


5 KEY PLAN



4 LIGHTING DETAIL

SCALE: 6" = 1' -0"



2 SIDE ELEVATION

SCALE: 1 1/2" = 1' -0"

NOTES

1. DESCRIPTION: Fabricated dimensional street name identity sign above elevator canopy.
2. MESSAGE: 3/8" Thick FCO routed aluminum exteranlly illuminated letters w/ #4 horizontal brushed finish all around.
3. SUPPORT: Aluminum routed flatbar vertical support mechanically fastened to sign raceway with #4 horizontal brushed finish along all visable surfaces; used to support channel letters.
4. ATTACHMENT RACEWAY: Custom aluminum raceway housing lighting fixtures, electrical components, channel letter supports; access panel along top to attach and service sign; painted per color specs.
5. FONT: "D-DIN Condensed".
6. FINISH: #4 Horizontal brushed finish along face, back & sides with anti-graffiti clear coat.
7. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
8. COLOR SPECIFICATIONS:
   Graphics - #4 brushed finish

SIGN TYPE A4 – ELEVATOR STREET IDENTITY (OLIVE STREET)

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OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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PAYSAGISTES URBANISTES

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 12/10/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23665 11/08/201
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – A4 ELEVATOR STREET IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]

EG18-1A
SHEET OF SHEETS

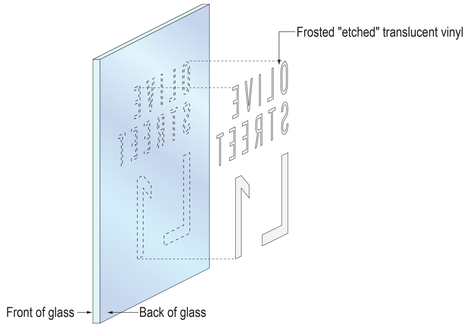
PLOTTED:



OLIVE STREET VIEW FROM INTERIOR OF PARK

1 ELEVATOR CORE ELEVATION

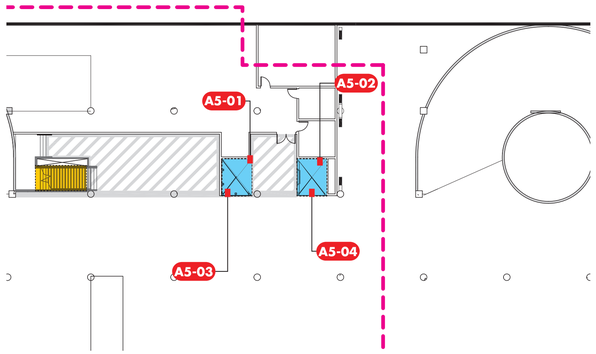
SCALE: 3/8" = 1' -0"





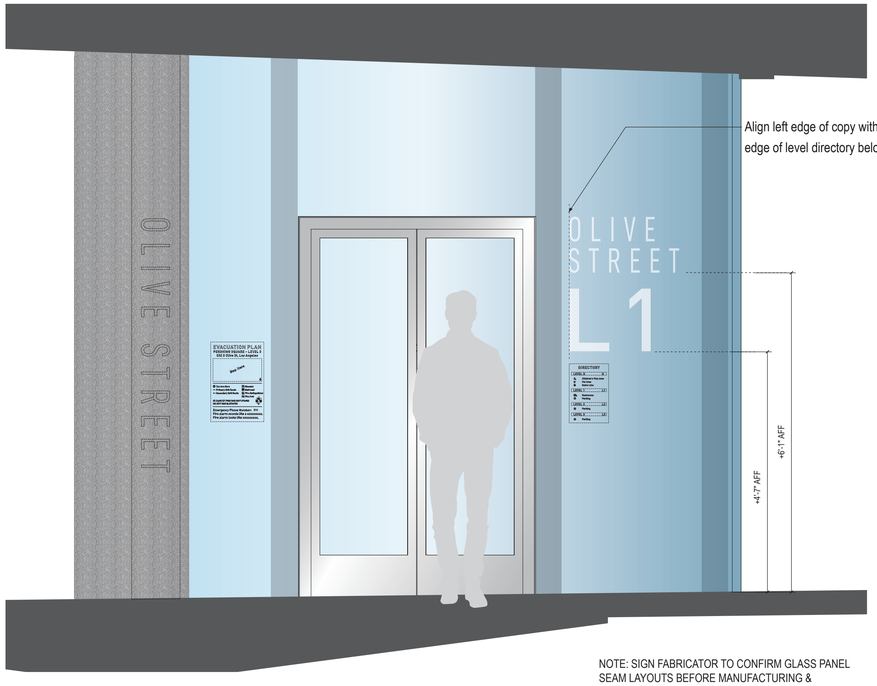
3 ELEVATION DETAIL

SCALE: 1 1/2" = 1' -0"



4 KEY PLAN

TYPICAL FOR PARKING LEVELS L1,L2,L3



NOTE: SIGN FABRICATOR TO CONFIRM GLASS PANEL SEAM LAYOUTS BEFORE MANUFACTURING & INSTALLING VINYL GRAPHICS

2 FRONT ELEVATION & LAYOUT

SCALE: 3/4" = 1' -0"

NOTES

1. DESCRIPTION: Elevator core and level identity graphics.
2. COPY: Frosted (etched) vinyl applied to 2nd surface of glass.
3. FONT: "D-DIN Condensed" used for street name & "DIN Medium" used for floor numbers.
4. FINISH: Anti-graffiti clear coat.
5. ATTACHMENT: Adhere to inside of glass.
6. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
7. COLOR SPECIFICATIONS: Graphics - Frosted

SIGN TYPE A5 – ELEVATOR LEVEL IDENTITY (OLIVE STREET)

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

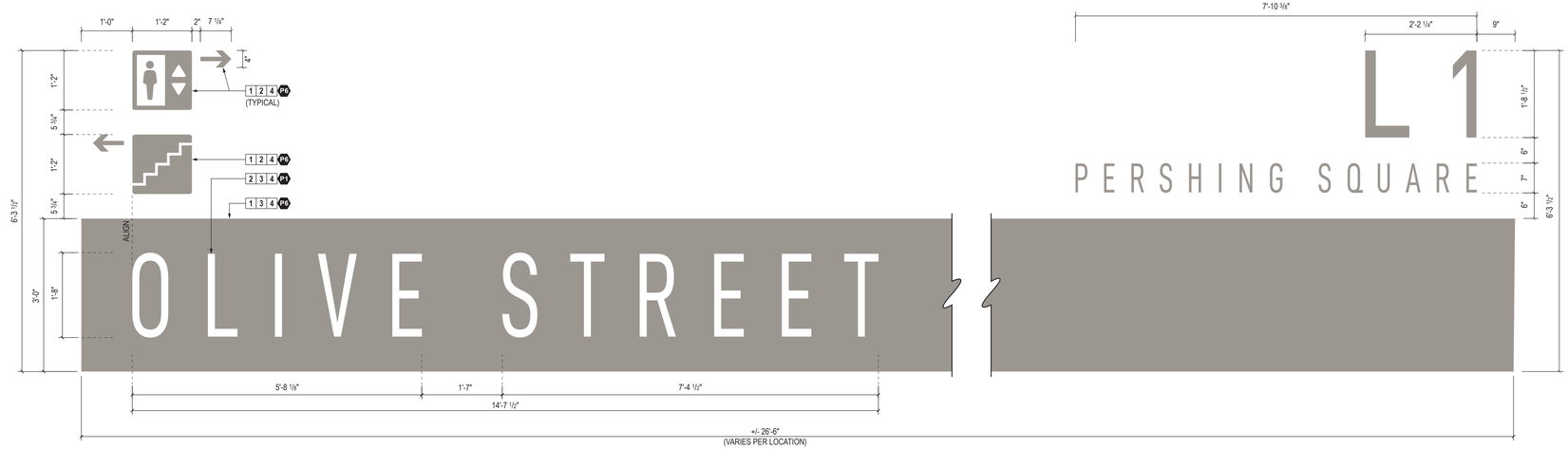
LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – A5 ELEVATOR LEVEL IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/10/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG19-1A
SHEET OF SHEETS

PLOTTED:

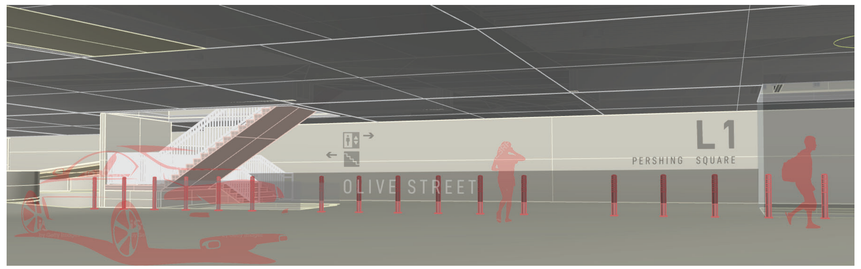


4 FRONT ELEVATION

SCALE: 3/4" = 1' -0"

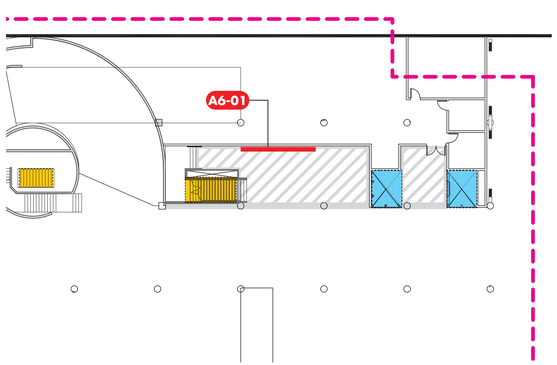
NOTES

1. DESCRIPTION: Street access stair identity graphics near corresponding elevator core.
2. MATERIALS: Elastomeric paint and masked graphics on first surface of wall.
3. FONT: "D-DIN Condensed" used for street name & "DIN Medium" used for floor numbers.
4. FINISH: Anti-graffiti clear coat.
5. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
6. COLOR SPECIFICATIONS:
   Accent Stripe - P6 Gray
   Graphics - P1 White, P6 Gray



3 CONTEXT RENDERING

SCALE: NTS



1 KEY PLAN



2 SECTION VIEW

SCALE: 3/16" = 1' -0"

SIGN TYPE A6 – STAIR IDENTITY (OLIVE STREET)

BUREAU OF ENGINEERING
OFFICIAL RECORD

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GRUENASSOCIATES
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agence ter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: BY: DATE:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION LIC. NO. C23665
ARCHITECT: DEBRA GEROD DATE: 12/10/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN PIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – A6 STAIR IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG20-1A
SHEET OF SHEETS
PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

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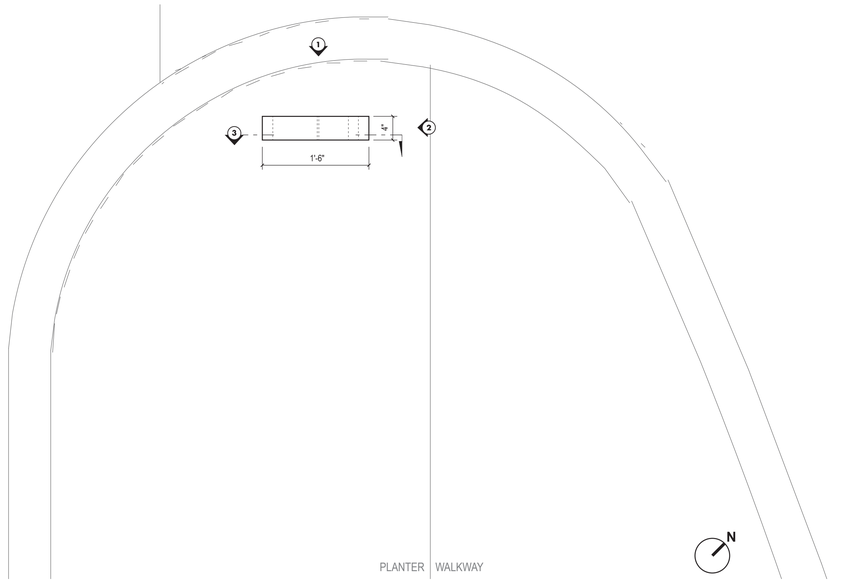
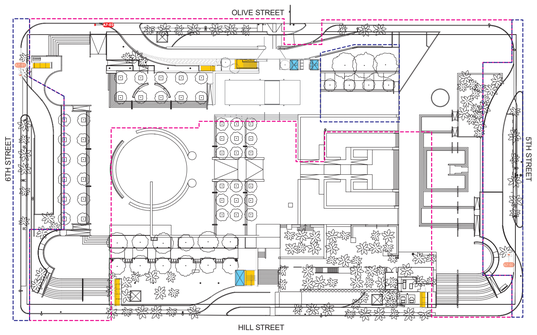
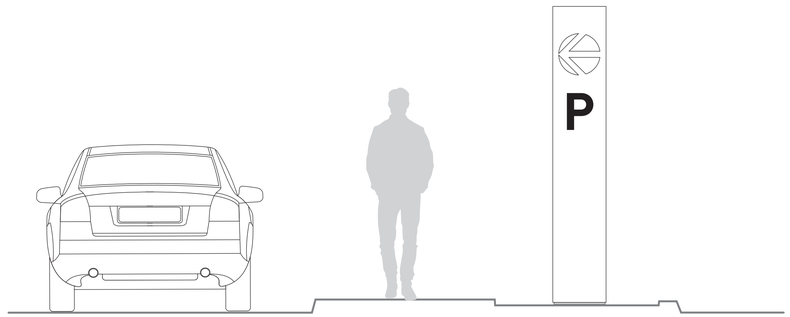


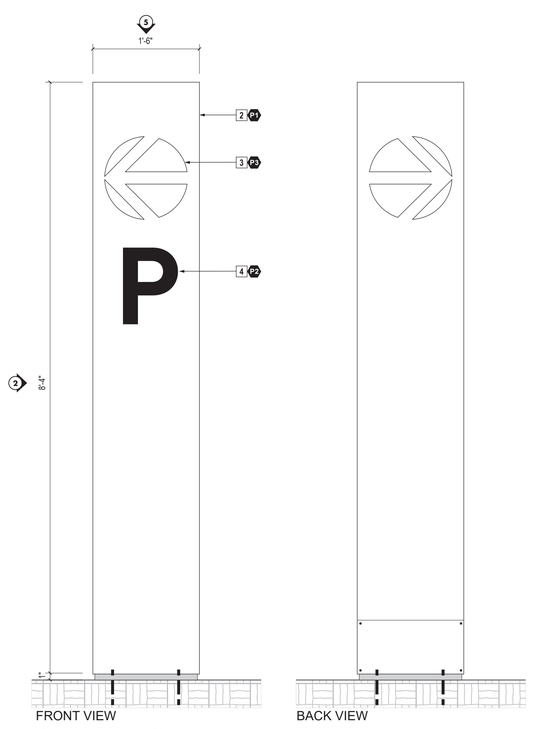
5 PLAN VIEW
SCALE: 1" = 1' -0"



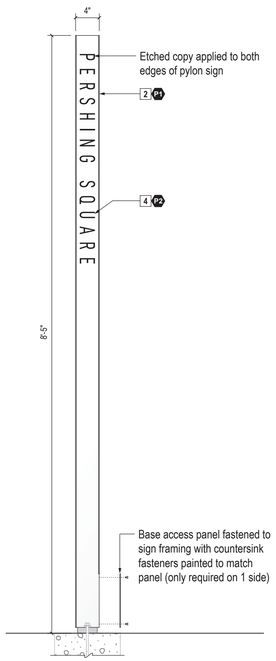
7 KEY PLAN



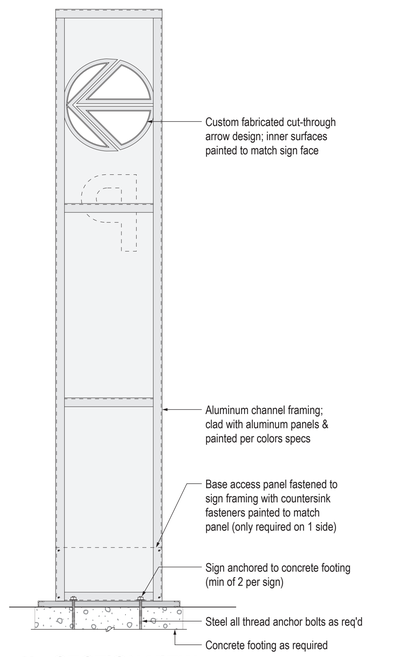
6 CONTEXT ELEVATION
SCALE: 1/2" = 1' -0"



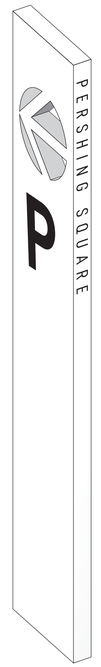
1 ELEVATION
SCALE: 1" = 1' -0"



2 SIDE VIEW
SCALE: 1" = 1' -0"



3 SECTION VIEW
SCALE: 1" = 1' -0"



4 AXO VIEW
SCALE: NTS

SIGN TYPE A7 – GARGE PYLON IDENTITY

NOTES

1. DESCRIPTION: Parking garage vehicular directional pylon sign; non-illuminated.
2. MATERIAL & CONSTRUCTION: Fabricated cabinet of 1/8" thick aluminum, painted. Internal structure and footings per sign contractor's engineer. Provide for crash accident safety break-away at base. No visible fasteners.
3. ARROW: Cut-through fabricated design so that the face is flush to pylon cabinet on both sides; inside reveals painted silver.
4. COPY: Etch and paint fill graphic on first surface.
5. FINISH: Apply 3M protective film overlay for grafitti abatement.
6. ATTACHMENT: Concrete footing and integrated mechanical anchors. No visible fasteners.
7. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
8. COLOR SPECIFICATIONS:
   Sign Panel - P1 White
   Arrow Reveal Edges - P3 Silver
   Graphics - P2 Black

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REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

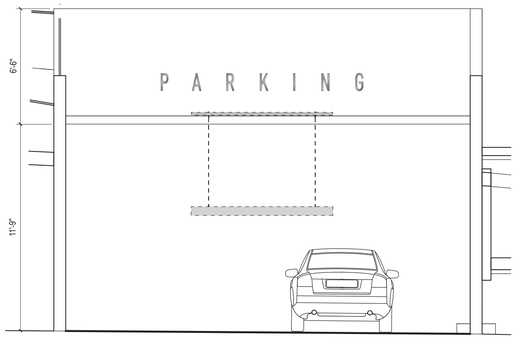
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION DATE: 12/10/2021
ARCHITECT: DEBRA GEROD LIC. NO. C23865
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – A7 GARAGE PYLON IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

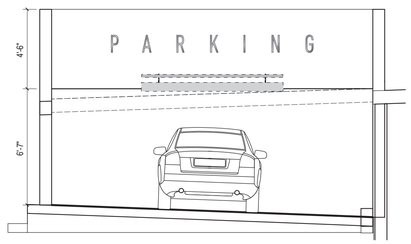
WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG21-1A
SHEET OF SHEETS
PLOTTED:

NOTES

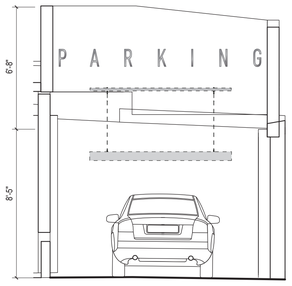
1. DESCRIPTION: Parking garage entrance identity.
2. LOCATION: At each garage entrance.
3. MATERIAL: Fabricated dimensional letters of 1/8" thick aluminum, #4 horizontal brushed finish on all surfaces.
3. FONT: "D-DIN Condensed".
4. FINISH: #4 horizontal brushed with anti-graffiti clear coat.
5. ATTACHMENT: Mount flush to wall with thread studs; pre-drill stud locations into wall with mask & secure with clear silicone as required.
6. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.



6TH STREET ENTRANCE (WEST) A8-01



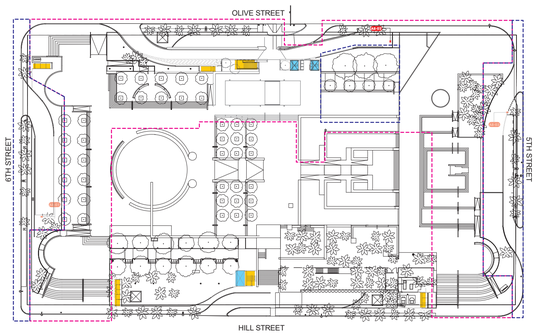
OLIVE STREEET ENTRANCE (NORTH) A8-02



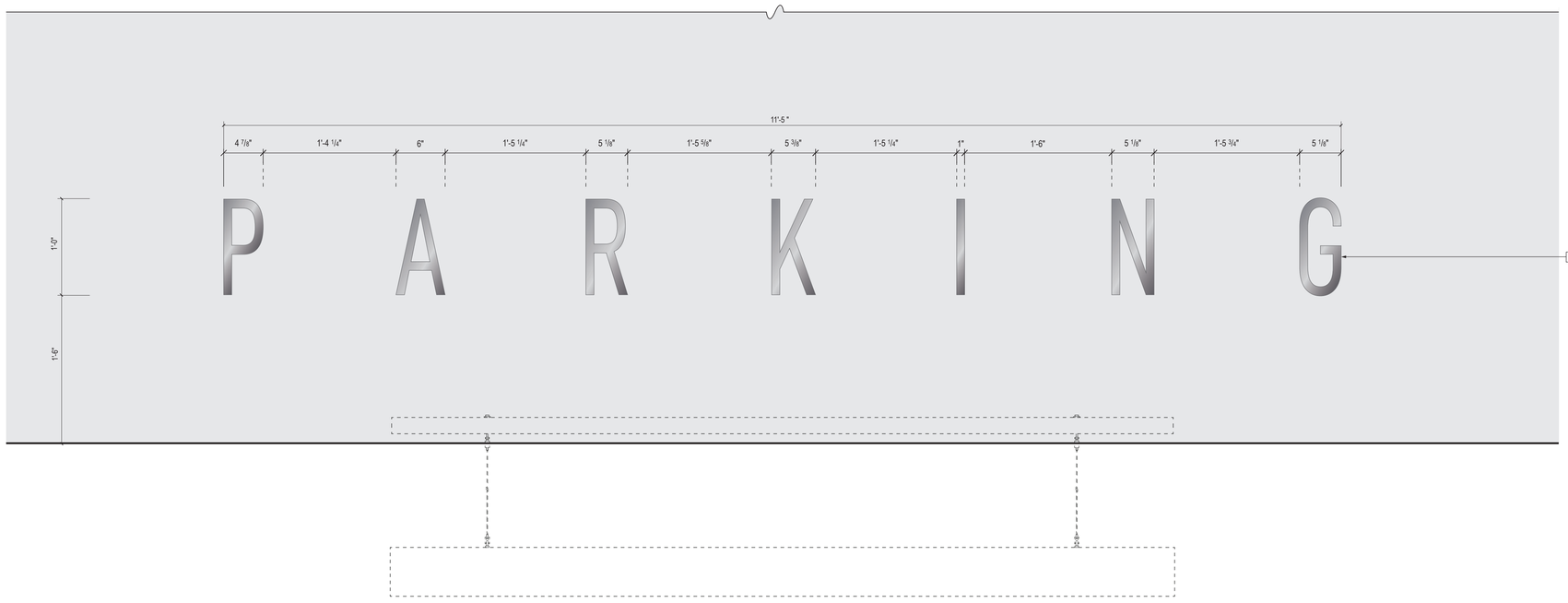
5TH STREET ENTRANCE (EAST) A8-03

3 CONTEXT ELEVATIONS

SCALE: 1/4" = 1' -0"

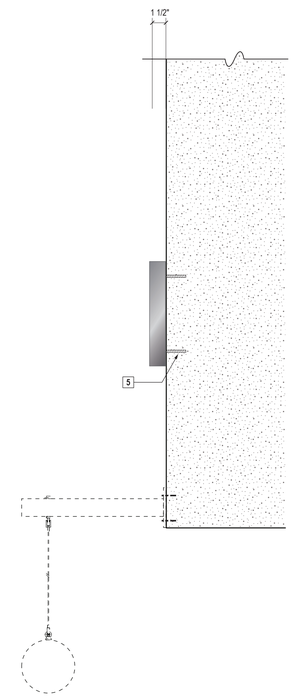


4 KEY PLAN



1 FRONT ELEVATION

SCALE: 1-1/2" = 1' -0"



2 SIDE VIEW

SCALE: 1-1/2" = 1' -0"

SIGN TYPE A8 – GARAGE ENTRANCE IDENTITY

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CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201
DATE: 12/10/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – A8 GARAGE ENTRANCE IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG22-1A
SHEET OF SHEETS
PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

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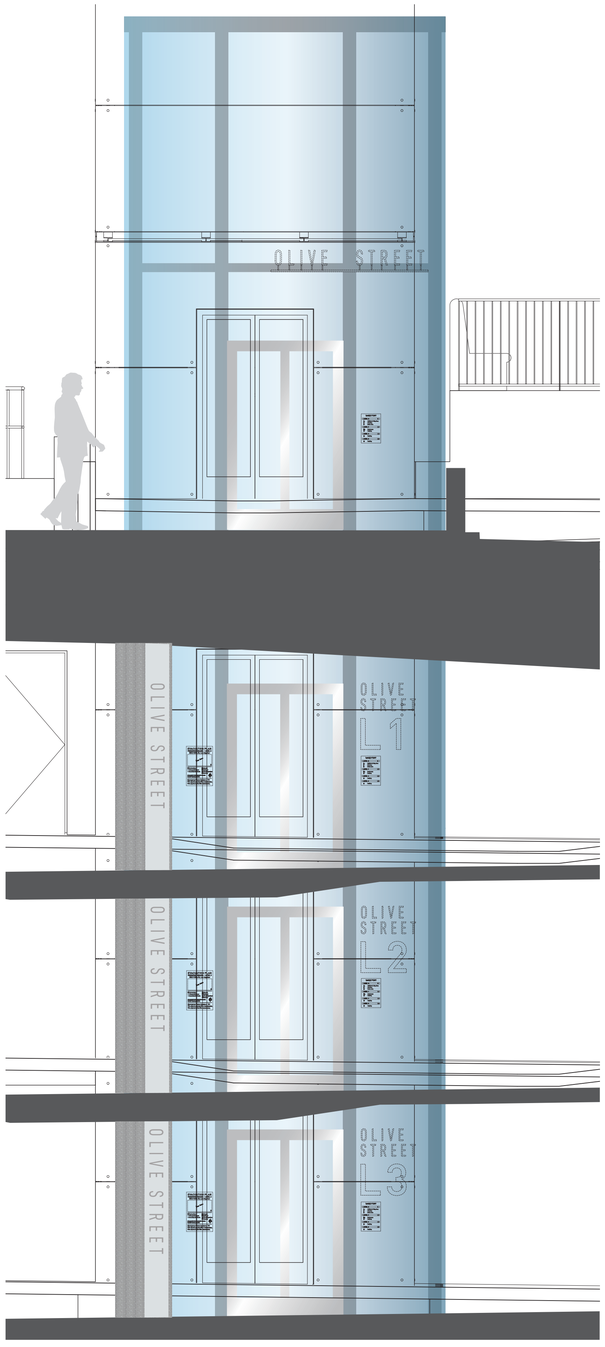
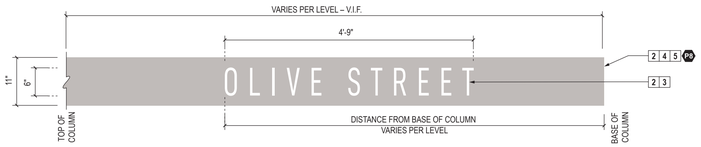


OLIVE STREET VIEW FROM INTERIOR OF PARK

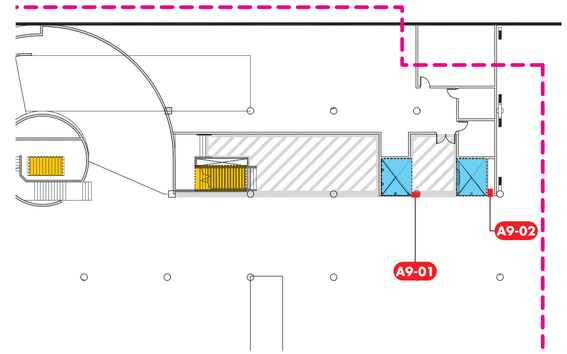
1 **ELEVATOR CORE ELEVATION**
SCALE: 3/8" = 1' -0"



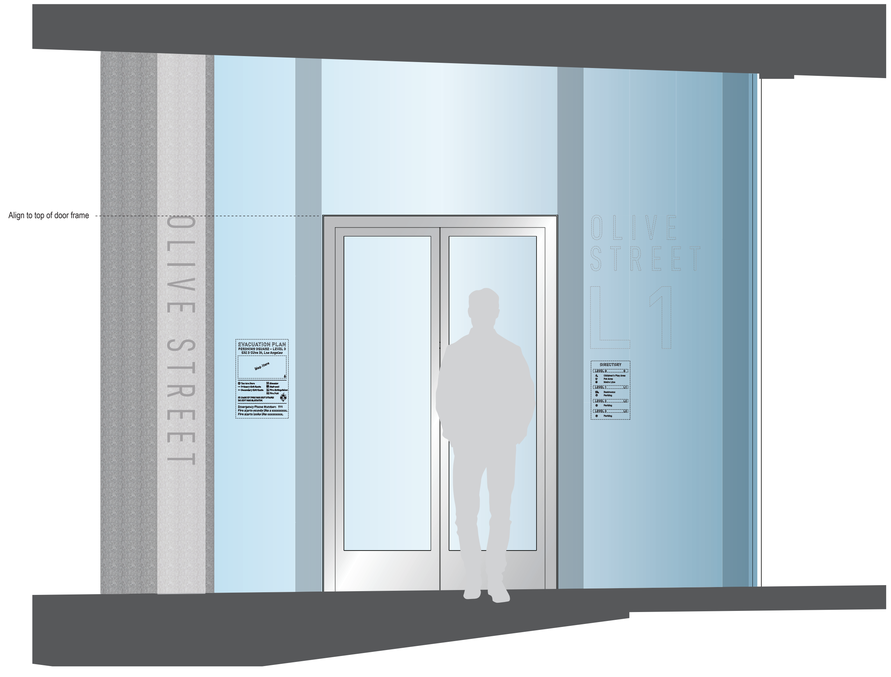
5 **PLAN VIEW**
NTS



3 **ELEVATION DETAIL**
SCALE: 3/4" = 1' -0"



4 **KEY PLAN**
TYPICAL FOR PARKING LEVELS L1,L2,L3



2 **FRONT ELEVATION & LAYOUT**
SCALE: 3/4" = 1' -0"

NOTES

1. DESCRIPTION: Elevator core super graphics.
2. MATERIALS: Elastomeric paint and masked out street names on first surface of wall.
3. FONT: "D-DIN Condensed".
4. FINISH: Anti-graffiti clear coat.
5. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
6. COLOR SPECIFICATIONS:
   Accent Stripe - P8 Light Gray
   Copy - Weeded out exposed concrete

SIGN TYPE A9 – COLUMN LEVEL IDENTITY (OLIVE STREET)

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REVISION DATES (DESIGN STAGE ONLY)

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BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/16/2021
11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – A9 COLUMN IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

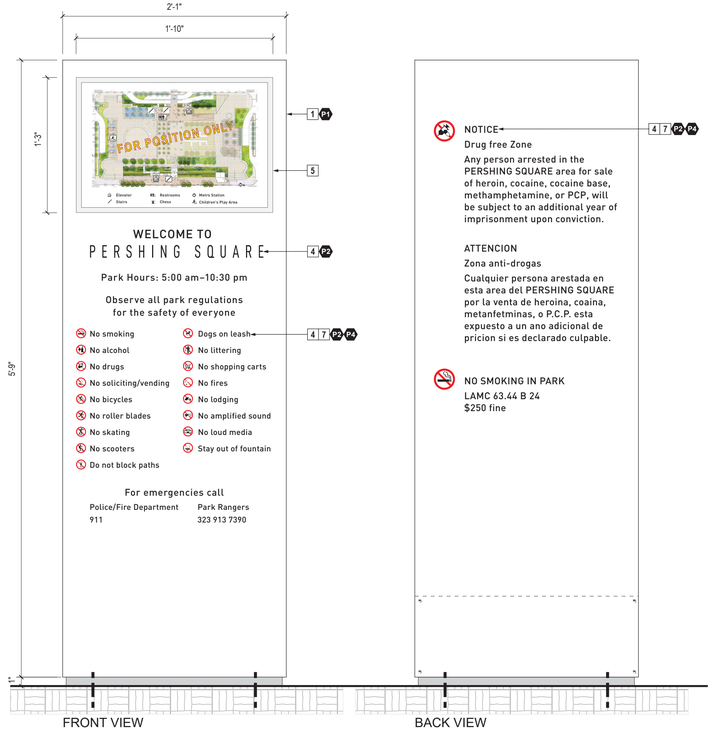
WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG23-1A
SHEET OF SHEETS
PLOTTED:



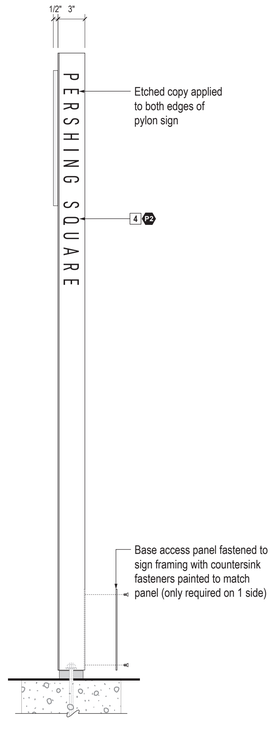
5 PLAN VIEW
SCALE: 1-1/2" = 1' -0"



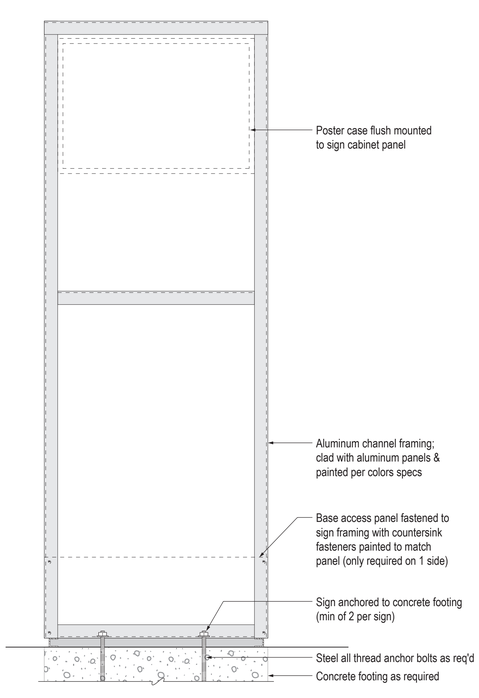
6 CONTEXT ELEVATION
SCALE: 1/2" = 1' -0"



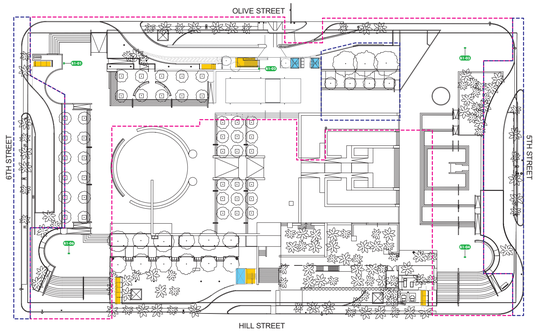
1 ELEVATIONS
SCALE: 1-1/2" = 1' -0"



2 SIDE VIEW
SCALE: 1-1/2" = 1' -0"



3 SECTION VIEW
SCALE: 1-1/2" = 1' -0"



4 KEY PLAN

SIGN TYPE B1 – MAP CONDUCT PYLON

NOTES
1. DESCRIPTION: Park information and regulations pylon.
2. LOCATION: At key pedestrian entrances to park.
3. MATERIAL & CONSTRUCTION: Fabricated cabinet of 1/8" thick aluminum, painted. Internal structure and footings per sign contractor's engineer. No visible fasteners.
4. GRAPHICS: 1/32" Deep graphics & copy etched and paint fill first surface.
5. MAP CASE: Integrated tamper/weather proof case to hold 24"x36" site map of digital print high pressure laminate; paint casement to match pylon.
6. FINISH: Apply 3M protective film overlay for grafitti abatement.
7. FONT: "DIN Medium".
8. ATTACHMENT: Integrated anchors to concrete footing. Provide break-away at base. No visible fasteners.
9. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
10. COLOR SPECIFICATIONS:
    Sign Cabinet - P1 White
    Graphics - P2 Black, P4 Red

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ENGINEERING CITY OF LOS ANGELES

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BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23865
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/10/2021
DATE: 11/08/2021

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – B1 MAP/CONDUCT PYLON
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG24-1A
SHEET OF SHEETS
PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

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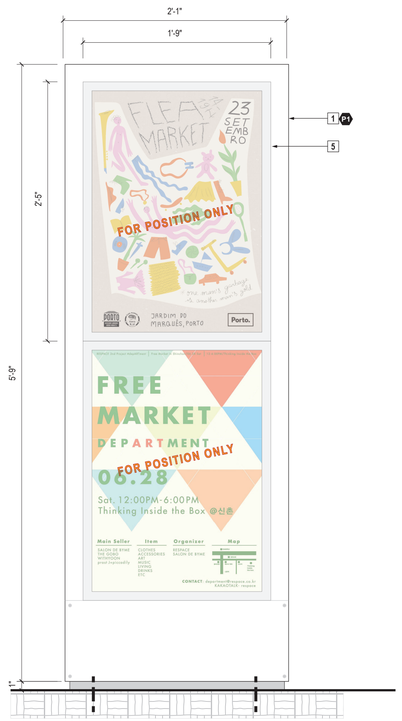
5 PLAN VIEW
SCALE: 1-1/2" = 1' -0"



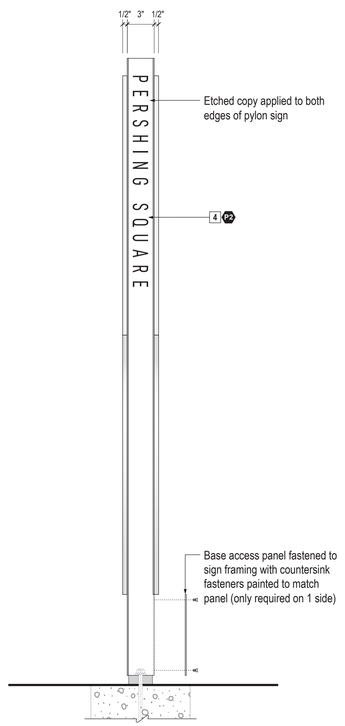
6 CONTEXT ELEVATION
SCALE: 1/2" = 1' -0"

NOTES
1. DESCRIPTION: Park event pylon.
2. LOCATION: At key pedestrian intersections in park.
3. MATERIAL & CONSTRUCTION: Fabricated cabinet of 1/8" thick aluminum, painted. Internal structure and footings per sign contractor's engineer. No visible fasteners.
4. GRAPHICS: 1/32" Deep graphics etched and paint fill first surface.
5. POSTER CASE: Integrated tamper/weather proof case to hold 19"x27" printed media insert by others; paint casement to match pylon.
6. FINISH: Apply 3M protective film overlay for grafitti abatement.
7. ATTACHMENT: Integrated anchors to concrete footing. Provide break-away at base. No visible fasteners.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Cabinet - P1 White
   Graphics - P2 Black

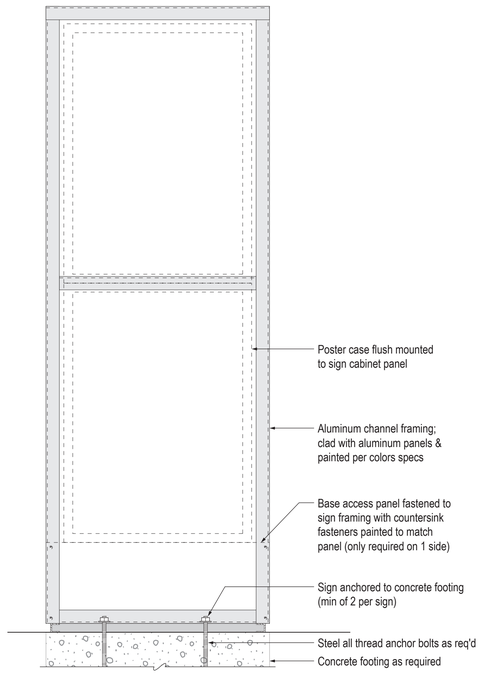


FRONT & BACK VIEWS (OPTIONAL 2 SIDED)

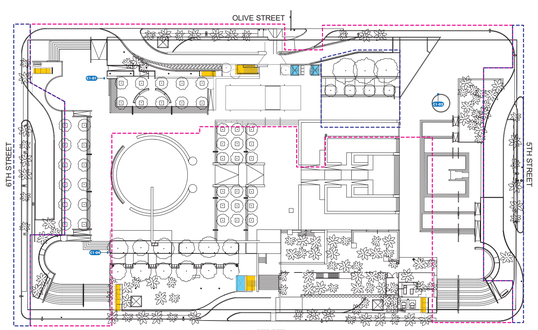
1 ELEVATION
SCALE: 1-1/2" = 1' -0"



2 SIDE VIEW
SCALE: 1-1/2" = 1' -0"



3 SECTION VIEW
SCALE: 1-1/2" = 1' -0"



4 KEY PLAN

SIGN TYPE C1 – EVENT DISPLAY PYLON

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INDEX NO. - MF-300492

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DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/10/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – C1 EVENT DISPLAY PYLON
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG25-1A
SHEET OF SHEETS
PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

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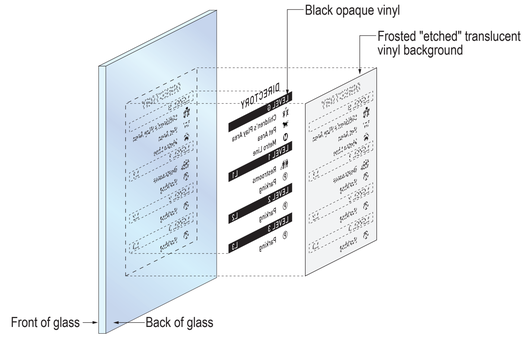
ELEVATOR TYPE 2

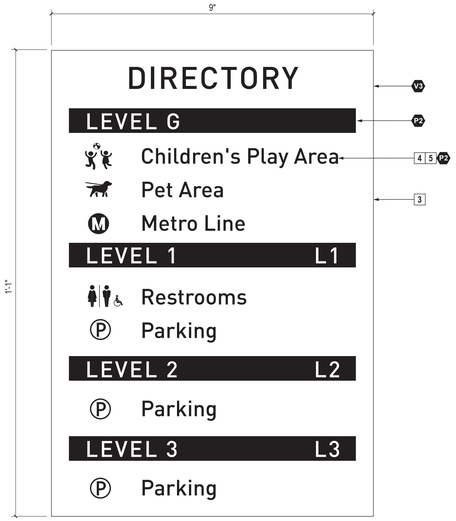


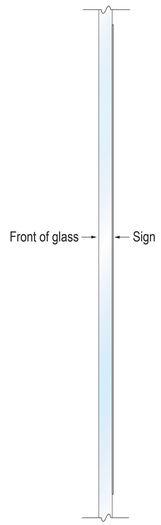
ELEVATOR TYPE 1

4 CONTEXT ELEVATIONS

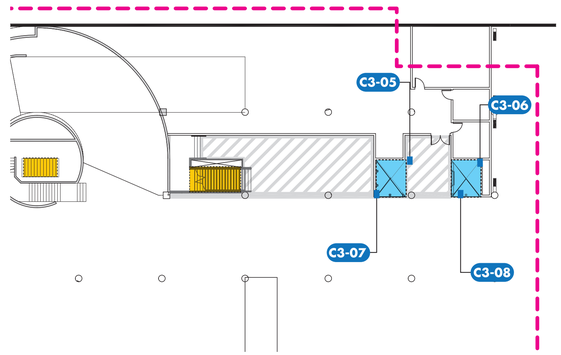
SCALE: 1/2" = 1' -0"











1 SIGN FACE ELEVATION (TYPICAL)

SCALE: 1:2 HALF

2 SIDE & AXO VIEW

SCALE: NTS

3 BACK VIEW FROM ELEVATOR (TYPICAL)

SCALE: 1:2 HALF

4 KEY PLAN

TYPICAL FOR PARKING LEVELS L1,L2,L3 AND GROUND LEVEL

SIGN TYPE C3 – ELEVATOR DIRECTORY

NOTES

1. DESCRIPTION: Directory levels sign.
2. LOCATION: At each elevator.
3. MATERIAL & CONSTRUCTION: Frosted (etched) translucent vinyl background with black opaque electro-cut graphic and copy overlay.
4. GRAPHICS: Direct print to vinyl.
5. FONT: "DIN Medium".
6. MOUNTING: Sign mounts flush to interior side of glass wall.
7. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
8. COLOR SPECIFICATIONS: Graphics - P2 Black

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DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/16/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – C3 ELEVATOR DIRECTORY

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

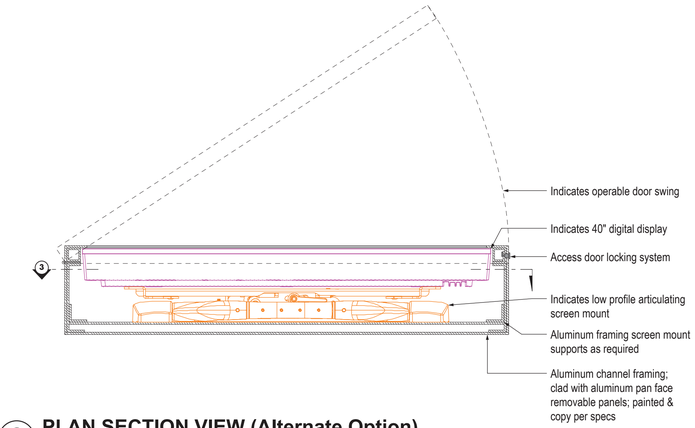
WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG26-1A

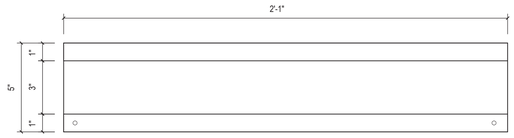
SHEET OF SHEETS

PLOTTED:



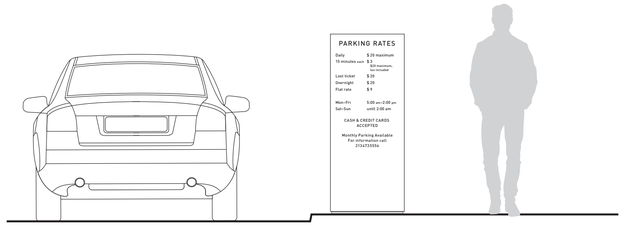
6 PLAN SECTION VIEW (Alternate Option)

SCALE: 3" = 1' -0"



5 PLAN VIEW

SCALE: 3" = 1' -0"



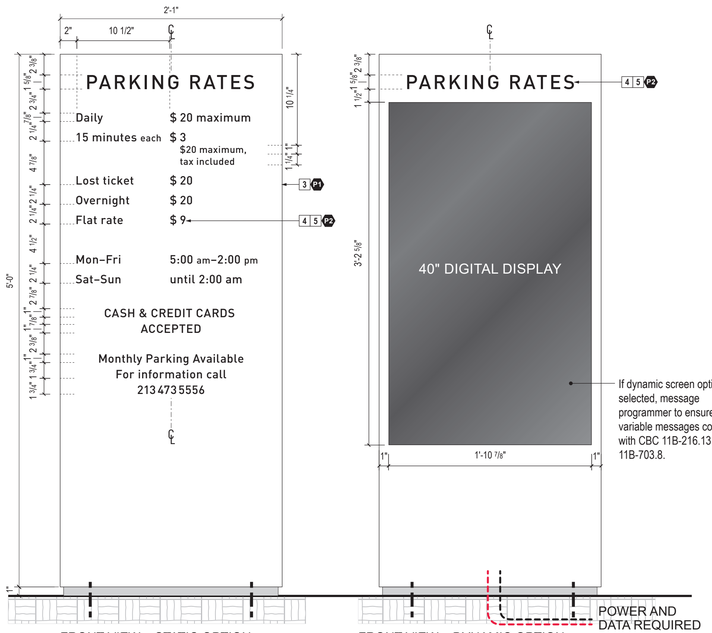
7 CONTEXT ELEVATION

SCALE: 1/2" = 1' -0"

NOTES

1. DESCRIPTION: Parking rates pylon.
2. LOCATION: At entrance to parking garage.
3. MATERIAL & CONSTRUCTION: Fabricated cabinet of 1/8" thick aluminum, painted. Internal structure and footings per sign contractor's engineer. No visible fasteners.
4. GRAPHICS: 1/32" Deep graphics etched and paint fill first surface.

   DYNAMIC OPTION: Exterior grade backlit dynamic display; slimline bezel. Sign contractor to engineer adequate ventilation per manufacturer's specifications. Sign requires power and data conduits and remote programming by owner. Message programmer to ensure variable messages comply with CBC 11B-216.13 & 11B-703.8.
5. FONT: "DIN Medium".
6. FINISH: Apply 3M protective film overlay on all surfaces for grafitti abatement.
7. ATTACHMENT: Integrated anchors to concrete footing. Provide break-away at base. No visible fasteners.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Cabinet - P1 White
   Graphics - P2 Black

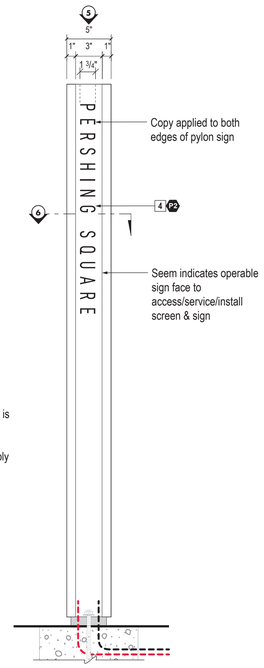


FRONT VIEW – STATIC OPTION

FRONT VIEW – DYNAMIC OPTION

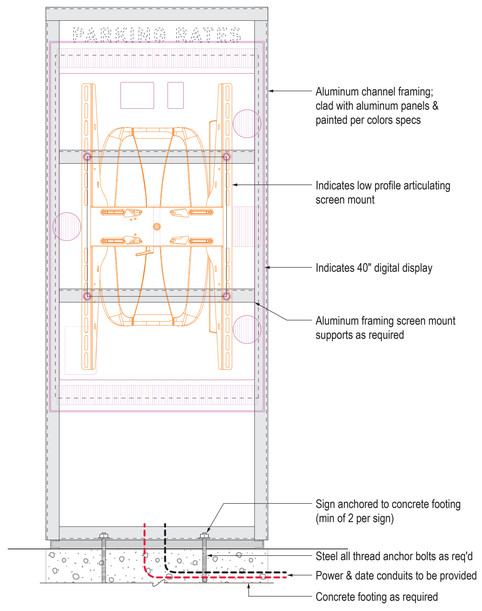
1 ELEVATIONS

SCALE: 1-1/2" = 1' -0"



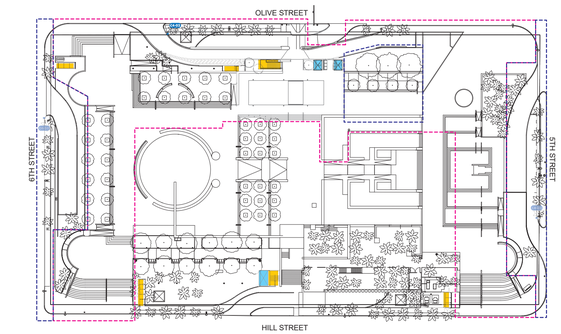
2 SIDE VIEW

SCALE: 1-1/2" = 1' -0"



3 SECTION VIEW (Alternate Option)

SCALE: 1-1/2" = 1' -0"



4 KEY PLAN

SIGN TYPE C4 – PARKING INFORMATION

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

agenceter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES DATE: 12/10/2021
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/09/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – C4 PARKING INFORMATION

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

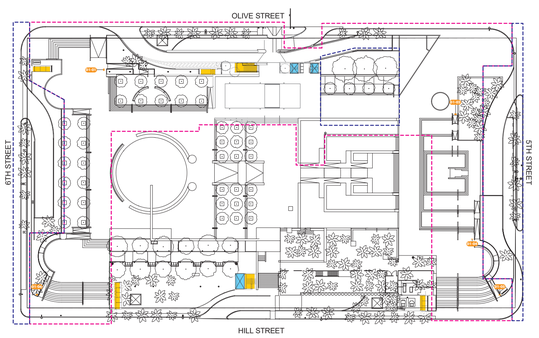
EG27-1A

SHEET OF SHEETS

PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



4 KEY PLAN



5 CONTEXT ELEVATION

SCALE: 1" = 1' -0"

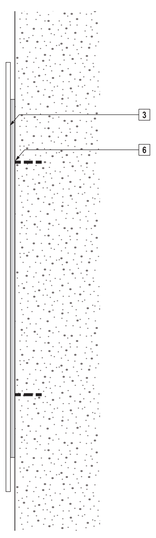
NOTES

1. DESCRIPTION: Accessible route identification sign.
2. LOCATION: At start of accessible route.
3. MATERIAL & CONSTRUCTION: Message panel and backer panel of 1/8" thick aluminum, painted.
4. GRAPHICS: Screen print to first surface.
5. FINISH: Apply 3M protective film overlay for grafitti abatement.
6. MOUNTING: Flush mount to wall with stud and VHB adhesive.
7. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
8. COLOR SPECIFICATIONS:
   Sign Panel - P5 ADA Blue, P1 White
   Graphics - P1 White



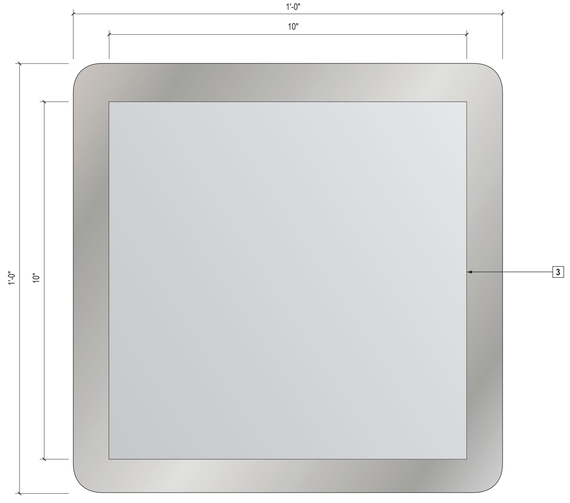
1 FRONT ELEVATION

SCALE: 1:2 (HALF)



2 SIDE VIEW

SCALE: 1:2 (HALF)



3 BACK ELEVATION

SCALE: 1:2 (HALF)

SIGN TYPE D1 – ACCESSIBILITY ROUTE IDENTITY

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agence ter
PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT DATE: 12/10/2021
DATE: 11/09/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – D1 ACCESSIBILITY ROUTE
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

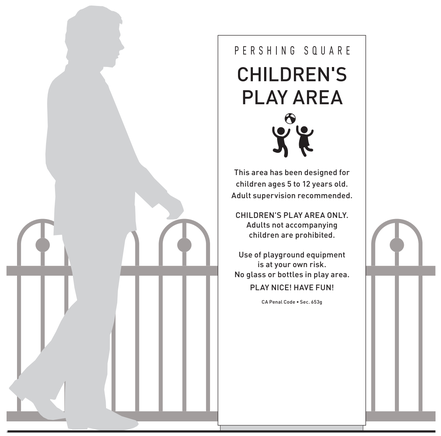
WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG28-1A
SHEET OF SHEETS
PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



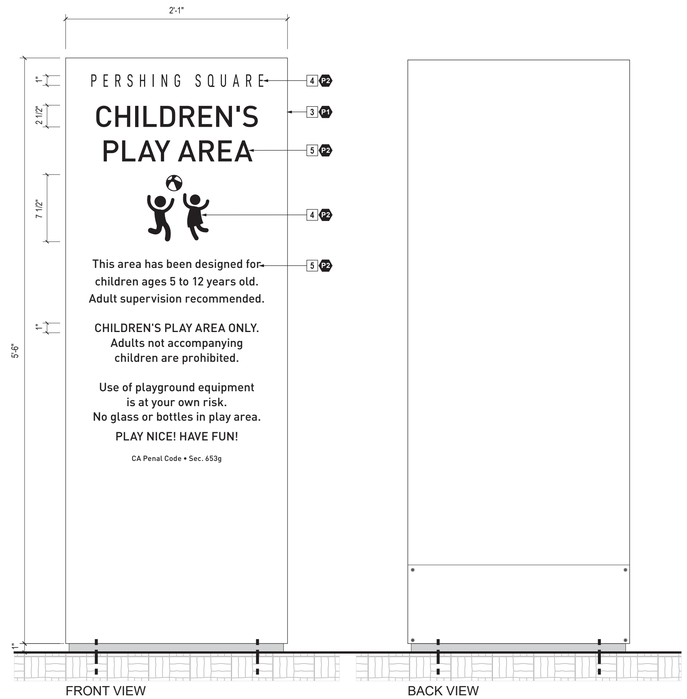


NOTES

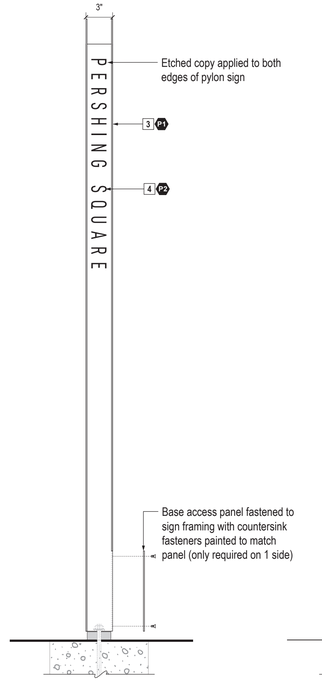
1. DESCRIPTION: Pet area pylon.
2. LOCATION: At pet area.
3. MATERIAL & CONSTRUCTION: Fabricated cabinet of 1/8" thick aluminum, painted. Internal structure and footings per sign contractor's engineer. No visible fasteners.
4. GRAPHICS: 1/32" Deep graphics etched and paint fill first surface.
5. FONT: "DIN Medium".
6. FINISH: Apply 3M protective film overlay on all surfaces for grafitti abatement.
7. ATTACHMENT: Integrated anchors to concrete footing. Provide break-away at base. No visible fasteners.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Cabinet - P1 White
   Graphics - P2 Black

5 PLAN VIEW
SCALE: 1-1/2" = 1' -0"

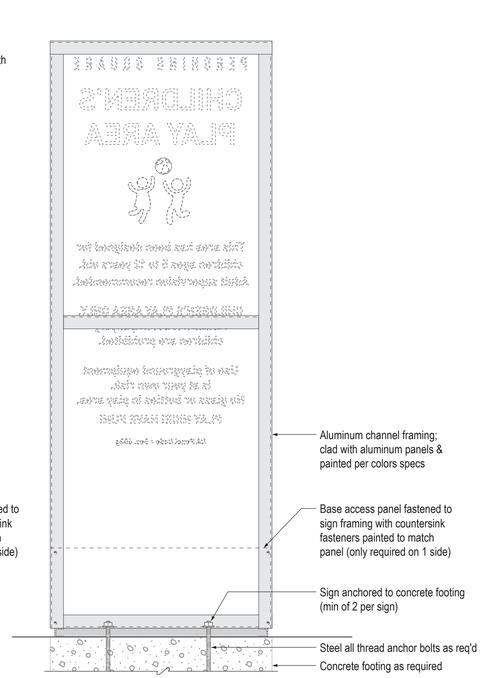
6 CONTEXT ELEVATION
SCALE: 1" = 1' -0"



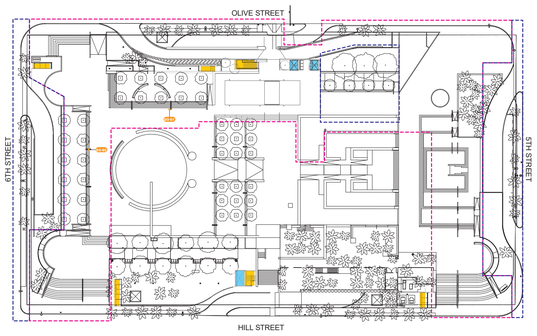
1 ELEVATIONS
SCALE: 1-1/2" = 1' -0"



2 SIDE VIEW
SCALE: 1-1/2" = 1' -0"



3 SECTION VIEW
SCALE: 1-1/2" = 1' -0"



4 KEY PLAN

SIGN TYPE D2 – PLAY AREA CONDUCT

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agenceter PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING

NO. | REVISIONS: | DATE: | BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/10/2021
11/08/201

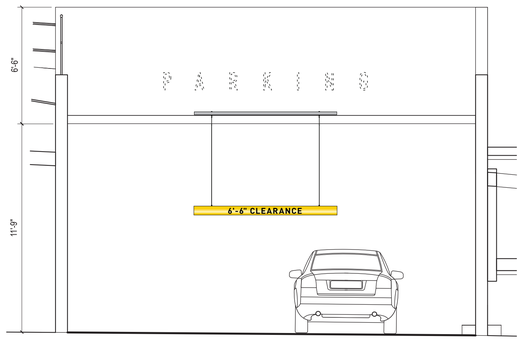
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – D2 PLAY AREA CONDUCT
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG29-1A
SHEET OF SHEETS
PLOTTED:

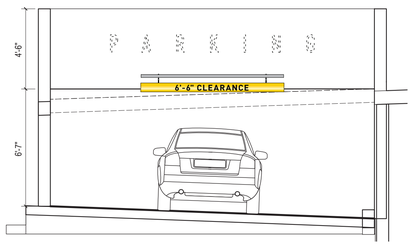
REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

NOTES

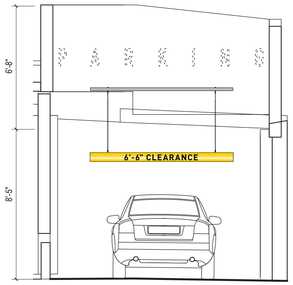
1. DESCRIPTION: Parking clearance crash bar.
2. LOCATION: At each garage entrance.
3. MATERIAL & CONSTRUCTION: Schedule 40 PVC tube with internal stiffener bar; painted; tube ends to be capped flush and painted to match.
4. GRAPHICS: Cut vinyl characters on first surface.
5. FINISH: Apply satin clear coat for grafitti abatement.
6. FONT: "DIN Bold".
7. ATTACHMENT: Suspend from overhead extension bar of galvanized steel attached to building structure; paint to match building face. Stainless steel aircraft cable and mechanical hardware. Sign Contractor to coordinate structural attachments with GC.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Tube - P7 Yellow
   Graphics - P2 Black
   Support Bar - Match surrounding color



6TH STREET ENTRANCE (WEST) A8-01

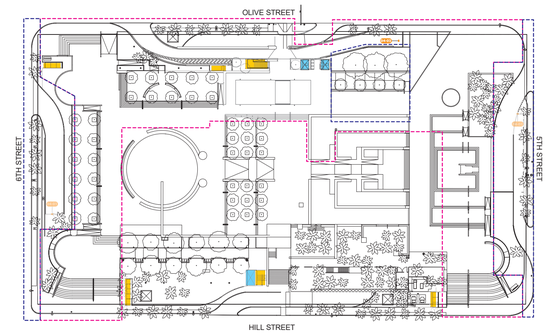


OLIVE STREEET ENTRANCE (NORTH) A8-02

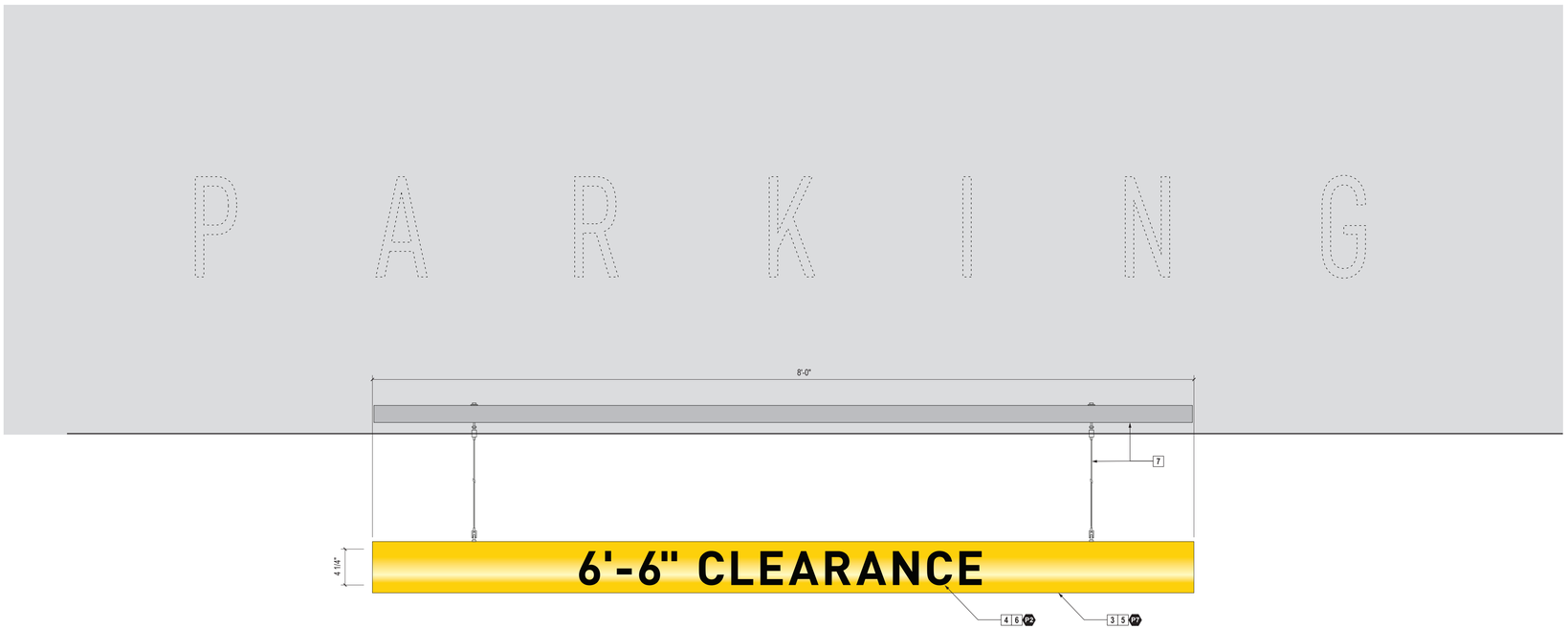


5TH STREET ENTRANCE (EAST) A8-03

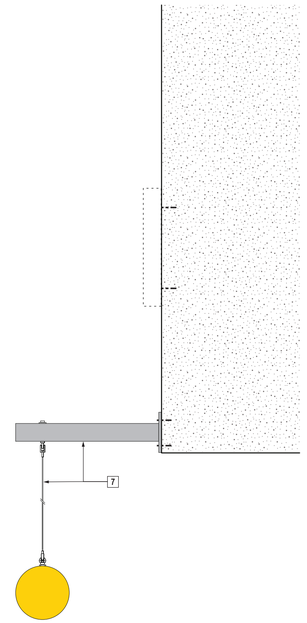
3 CONTEXT ELEVATION
SCALE: 1" = 1' -0"



4 KEY PLAN



1 FRONT ELEVATION
SCALE: 1-1/2" = 1' -0"



2 SIDE VIEW
SCALE: 1-1/2" = 1' -0"

SIGN TYPE D4 – GARAGE CLEARANCE

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agenceter
PAYSAGISTES URBANISTES

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISIONS:	DATE:	BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/16/2021
11/08/201

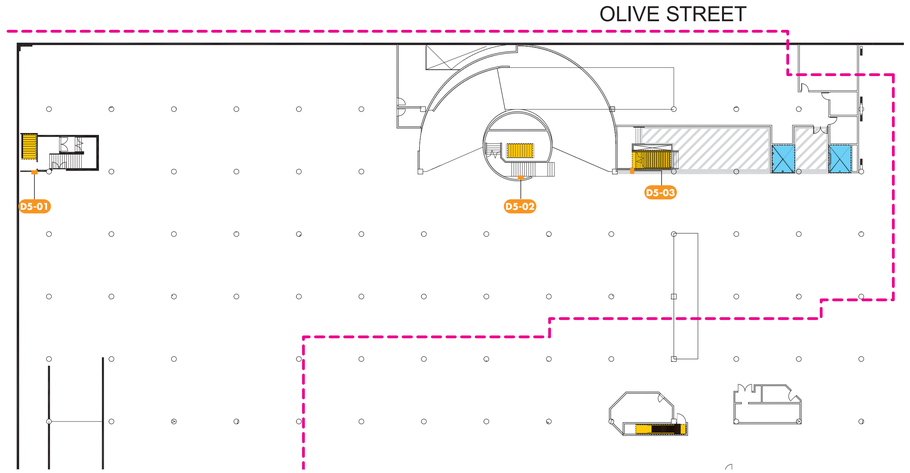
VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – D4 GARAGE CLEARANCE
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG30-1A
SHEET OF SHEETS

PLOTTED:

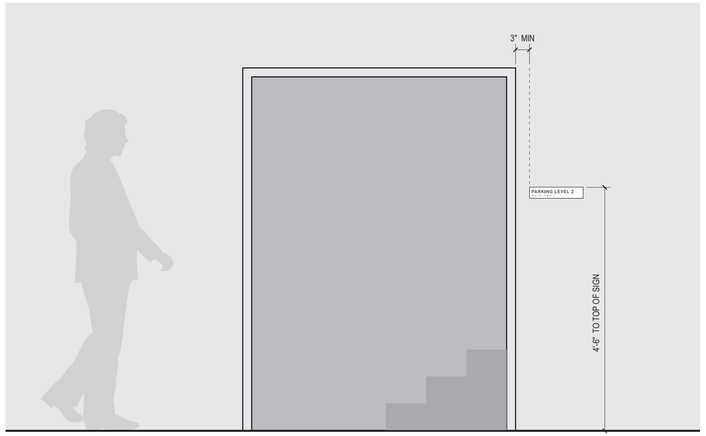
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:



4 KEY PLAN

TYPICAL FOR PARKING LEVELS L1,L2,L3 AND GROUND LEVEL



5 CONTEXT ELEVATION

SCALE: 1" = 1' -0"

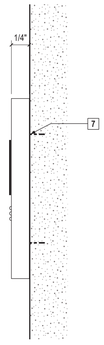
NOTES

1. DESCRIPTION: Tactile exit identity sign.
2. LOCATION: At each stair entrance that does not lead to an exit. (see sign type D7)
3. MATERIAL & CONSTRUCTION: Message panel of 1/4" thick transparent clear acrylic; back painted opaque white.
4. GRAPHICS: Integral 1/32" raised tactile copy of solid color acrylic chemically fused to first surface. California Contracted Grade 2 Braille; clear.
5. FONT: "DIN Medium".
6. FINISH: Apply satin clear coat to first surface for grafitti abatement.
7. ATTACHMENT: Sign mounts flush to wall with studs and VHB adhesive.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Panel - Transparent clear
   Graphics - P2 Black
   Sign Panel Back - P1 White



1 SIGN FACE ELEVATION (TYPICAL)

SCALE: 1:1 FULL



2 SIDE VIEW

SCALE: 1:1 FULL

PARKING LEVEL 2

PARKING LEVEL 3

3 ALTERNATE LAYOUTS

SCALE: 1:2 HALF

SIGN TYPE D5 – ADA LEVEL IDENTITY

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT DEBRA A. GEROD REN. 08-31-23 STATE OF CALIFORNIA

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/10/2021
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/2021

SHEET TITLE: SIGN DETAILS – D5 ELEVATOR ADA IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

VERTICAL CONTROL:
HORIZONTAL CONTROL:

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]

EG31-1A

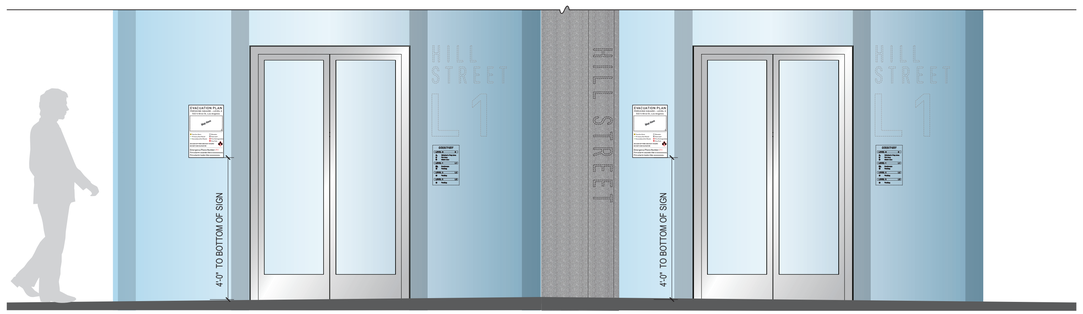
SHEET OF SHEETS

PLOTTED:

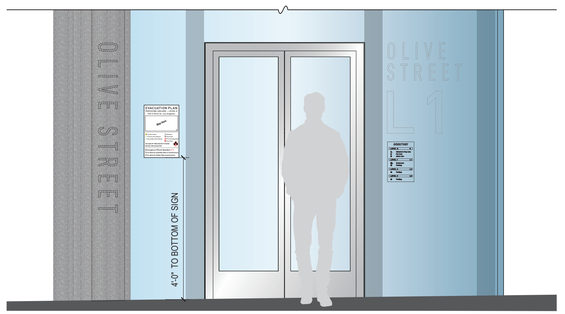
REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



ELEVATOR TYPE 2



ELEVATOR TYPE 1

5 CONTEXT ELEVATIONS

SCALE: 1/2" = 1' -0"

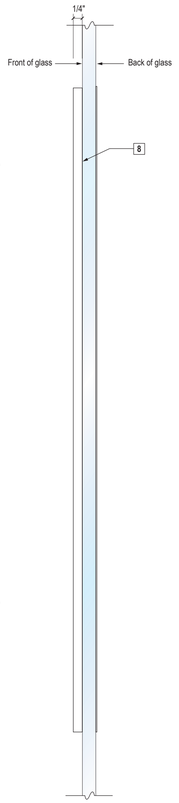
NOTES

1. DESCRIPTION: Emergency evacuation plan sign.
2. LOCATION: At each elevator.
3. MATERIAL & CONSTRUCTION: Message panel of 1/4" thick transparent clear acrylic; back painted opaque white. Reverse mask of opaque white vinyl.
4. GRAPHICS: Direct print to second surface; alternate direct print to white vinyl and laminate to second surface.
5. FONT: "DIN Medium".
6. FONT: "DIN Bold".
7. FINISH: Apply 3M protective film overlay for grafitti abatement.
8. ATTACHMENT: Sign mounts flush to face of glass wall with VHB adhesive. Mask adheres to back side of glass wall to hide back of sign.
9. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
10. COLOR SPECIFICATIONS:
    Sign Panel - Transparent clear
    Graphics - As shown
    Back Mask - P1 White



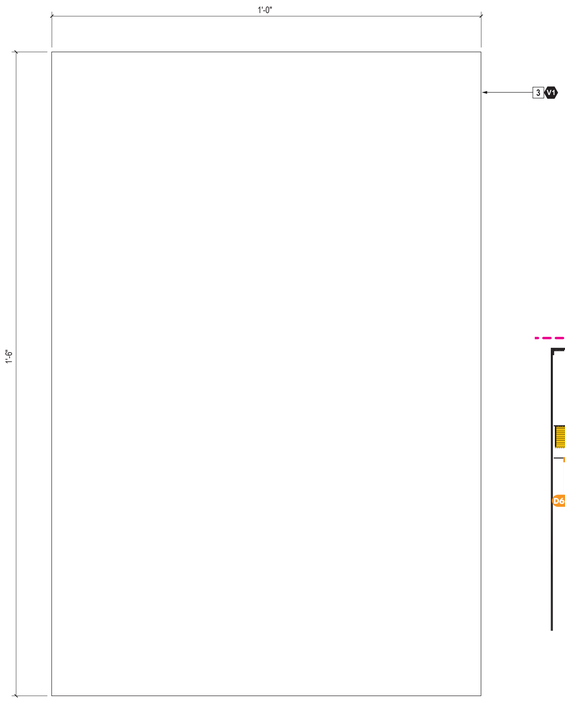
1 SIGN FACE ELEVATION (TYPICAL)

SCALE: 1:2 HALF



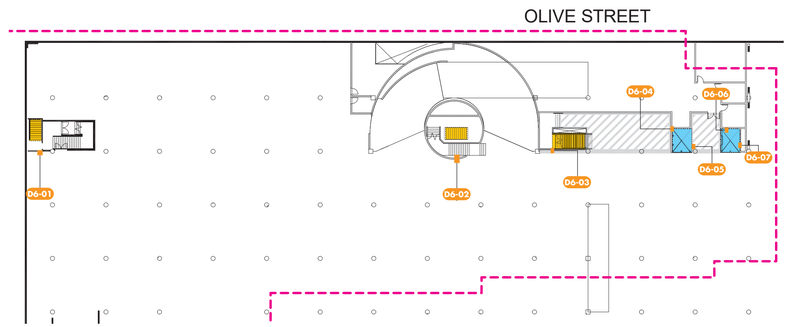
2 SIDE VIEW

SCALE: 1:2 HALF



3 BACK MASK VIEW (TYPICAL)

SCALE: 1:2 HALF



TYPICAL FOR PARKING LEVELS L1,L2,L3

4 KEY PLAN

SIGN TYPE D6 – EVACUATION PLAN

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
agence ter
PAYSAGISTES URBANISTES

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX
INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – D6 EVACUATION PLAN
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/10/2021
DATE: 11/09/201

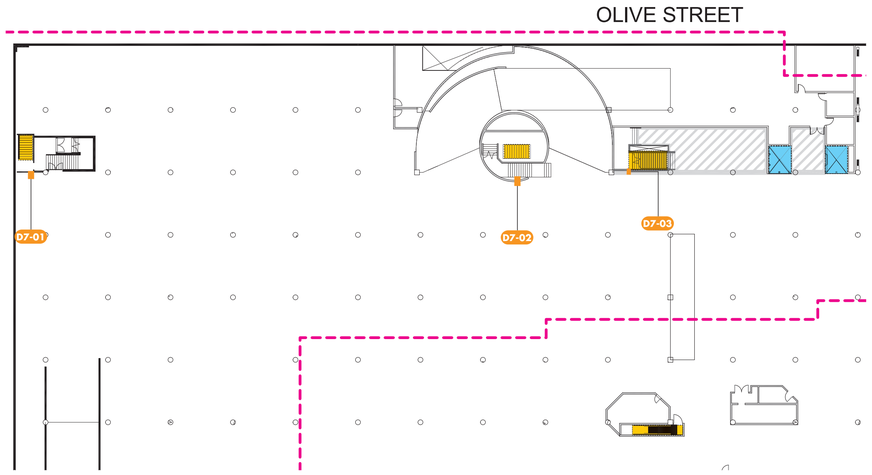
WORK ORDER NO.

PLAN FILE NO.
[ENTER INFO.]
EG32-1A
SHEET OF SHEETS

PLOTTED:

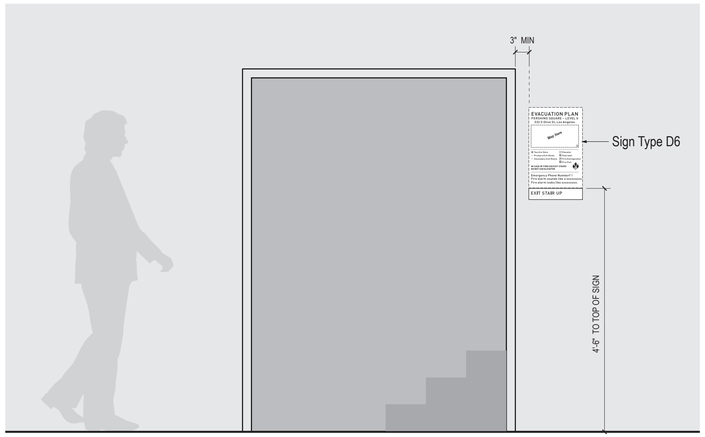
REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



3 KEY PLAN

TYPICAL FOR PARKING LEVELS L1,L2,L3



4 CONTEXT ELEVATION EXITING STAIR

SCALE: 1" = 1' -0"

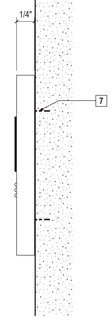
NOTES

1. DESCRIPTION: Tactile elevator level identity sign.
2. LOCATION: At each exiting stair entrance.
3. MATERIAL & CONSTRUCTION: Message panel of 1/4" thick transparent clear acrylic; back painted opaque white.
4. GRAPHICS: Integral 1/32" raised tactile copy of solid color acrylic chemically fused to first surface. California Contracted Grade 2 Braille; clear.
5. FONT: "DIN Medium".
6. FINISH: Apply satin clear coat to first surface for grafitti abatement.
7. ATTACHMENT: Sign mounts flush to wall with studs and VHB adhesive.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Panel - Transparent clear
   Graphics - P2 Black
   Back Mask - P1 White



1 SIGN FACE ELEVATION (TYPICAL)

SCALE: 1:1 FULL



2 SIDE VIEW

SCALE: 1:1 FULL

SIGN TYPE D7 – STAIR EXIT IDENTITY

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE
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PAYSAGISTES URBANISTES

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

BUILDING NO. XX/XX
INDEX NO. - MF-300492

NO. REVISIONS: DATE: BY:

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

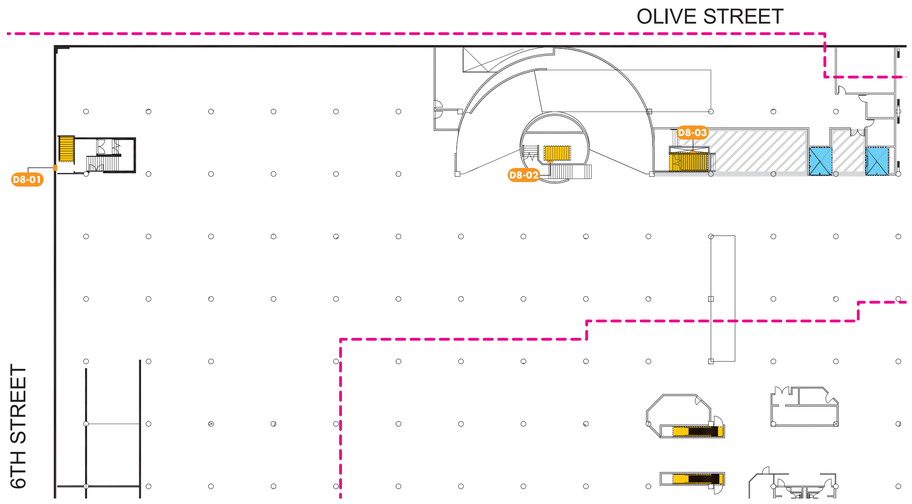
GARY LEE MOORE, PE, ENV SP CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT
DATE: 12/10/2021 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:
SHEET TITLE: SIGN DETAILS – D7 STAIR EXIT IDENTITY
PROJECT: PERSHING SQUARE RENOVATION PHASE 1A
ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------
PLAN FILE NO. [ENTER INFO.]
EG33-1A
SHEET OF SHEETS
PLOTTED:

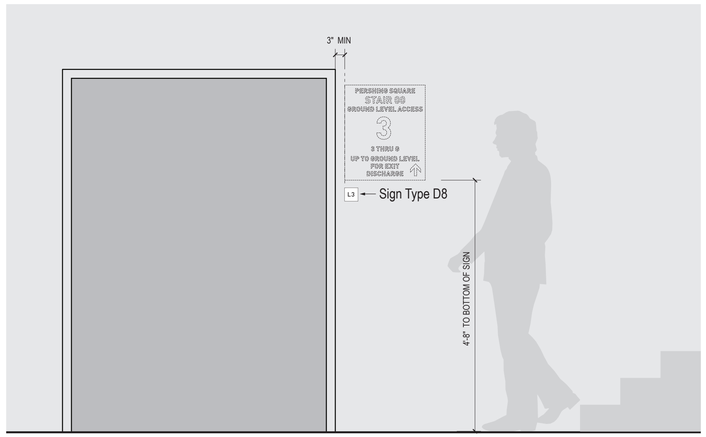
REVISION DATES (DESIGN STAGE ONLY)
REVISION DATE:

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



3 KEY PLAN

TYPICAL FOR PARKING LEVELS L1,L2,L3 AND GROUND LEVEL



4 CONTEXT ELEVATION

SCALE: 1" = 1' -0"

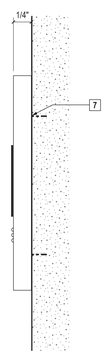
NOTES

1. DESCRIPTION: Tactile exit identity sign.
2. LOCATION: In each exit stairwell.
3. MATERIAL & CONSTRUCTION: Message panel of 1/4" thick transparent clear acrylic; back painted opaque white.
4. GRAPHICS: Integral 1/32" raised tactile copy of solid color acrylic chemically fused to first surface. California Contracted Grade 2 Braille; clear.
5. FONT: "DIN Medium".
6. FINISH: Apply satin clear coat for grafitti abatement.
7. ATTACHMENT: Sign mounts flush to wall with studs and VHB adhesive.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Panel - Transparent clear
   Graphics - P2 Black
   Sign Panel Back - P1 White



1 SIGN FACE ELEVATIONS

SCALE: 1:1 FULL



2 SIDE VIEW

SCALE: 1:1 FULL

SIGN TYPE D8 – STAIRWELL ADA IDENTITY

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUENASSOCIATES
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PAYSAGISTES URBANISTES

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER DATE: 12/10/2021
ARCHITECTURAL DIVISION
ARCHITECT: DEBRA GEROD LIC. NO. C23665
DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES
DRAWN BY: NG, CG
CHECKED BY: JA
APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/08/201

VERTICAL CONTROL:
HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – D8 STAIRWELL ADA IDENTITY

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG34-1A

SHEET OF SHEETS

PLOTTED:

REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

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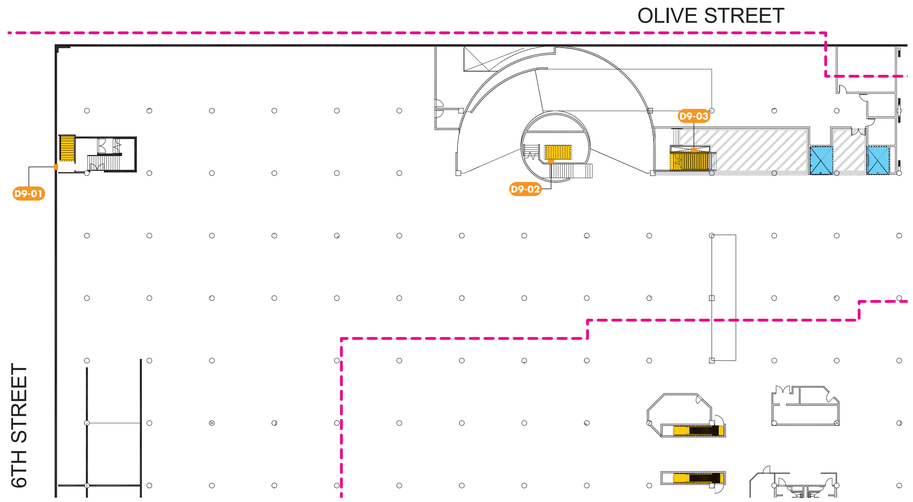
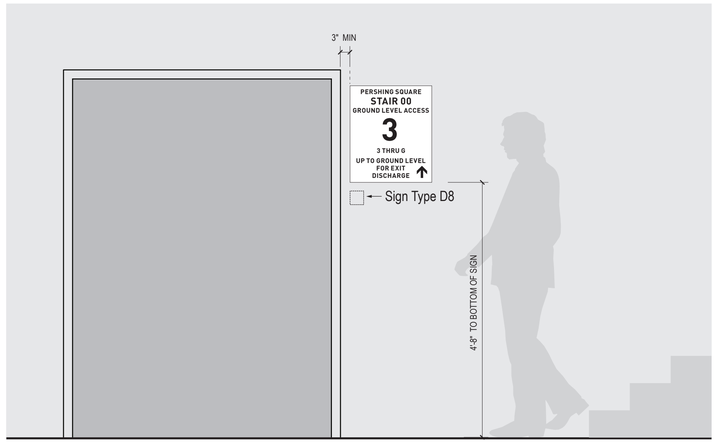


4 KEY PLAN

TYPICAL FOR PARKING LEVELS L1,L2,L3 AND GROUND LEVEL

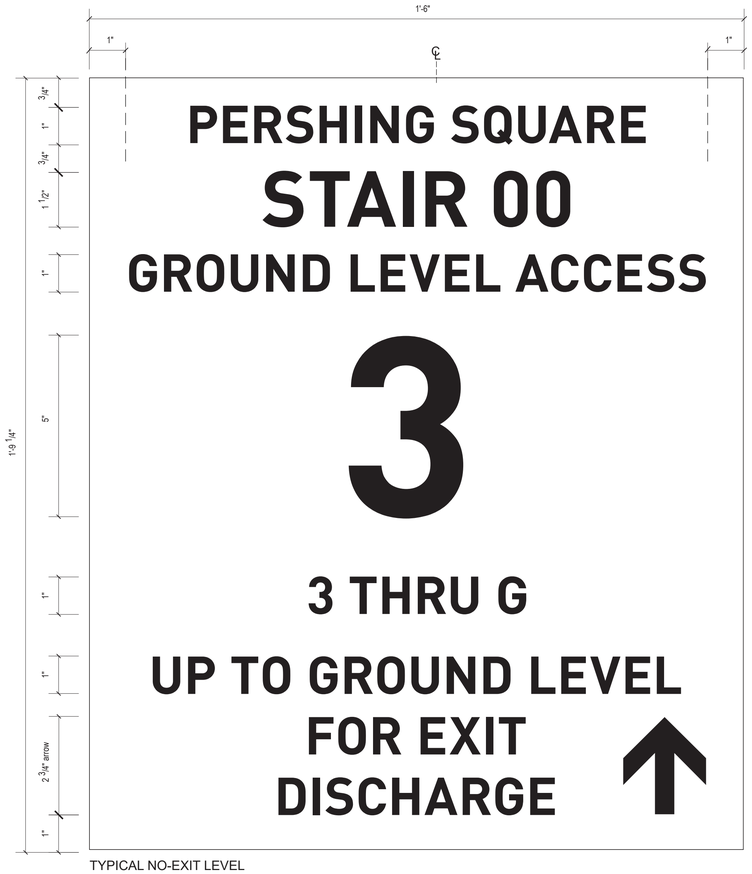


3 CONTEXT ELEVATION

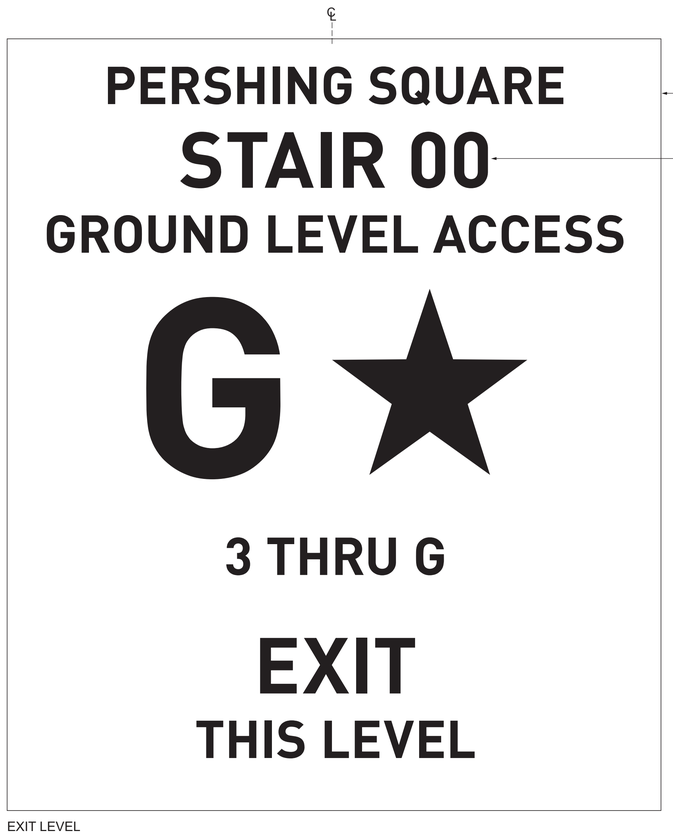
SCALE: 1" = 1' -0"

NOTES

1. DESCRIPTION: Tactile exit identity sign.
2. LOCATION: In each exit stairwell.
3. MATERIAL & CONSTRUCTION: Message panel of 3/8" thick transparent clear acrylic; back painted opaque white.
4. GRAPHICS: Direct print to second surface; alternate direct print to white vinyl and laminate to second surface.
5. FONT: "DIN Bold".
6. FINISH: Apply satin clear coat to first surface for grafitti abatement.
7. ATTACHMENT: Sign mounts flush to wall with studs and VHB adhesive.
8. MESSAGES, MEASUREMENTS & LOCATIONS: Sign Contractor to confirm all messages, field verify all measurements, and determine final sign locations with owner prior to creating shop drawings.
9. COLOR SPECIFICATIONS:
   Sign Panel - Transparent clear
   Graphics - P2 Black
   Sign Panel Back - P1 White



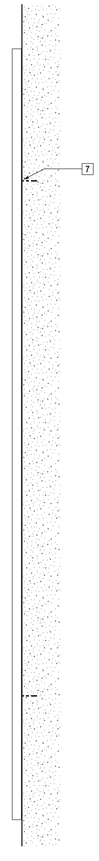
TYPICAL NO-EXIT LEVEL



EXIT LEVEL

1 SIGN FACE ELEVATIONS

SCALE: 1:2 HALF



2 SIDE VIEW

SCALE: 1:2 HALF

SIGN TYPE D9 – STAIRWELL LEVEL CBC IDENTITY

BUREAU OF ENGINEERING
OFFICIAL RECORD

GRUEN ASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE

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BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING

NO. REVISIONS: DATE: BY:

BUILDING NO. XX/XX

INDEX NO. - MF-300492

LICENSED ARCHITECT
DEBRA A. GEROD
REN. 08-31-23
STATE OF CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: DEBRA GEROD LIC. NO. C23665 DATE: 12/10/2021

DESIGNED BY: AGENCE TER & GRUEN ASSOCIATES

DRAWN BY: NG, CG

CHECKED BY: JA

APPROVED BY: STEVEN FIERCE, A.I.A., PRINCIPAL ARCHITECT 11/09/201

VERTICAL CONTROL:

HORIZONTAL CONTROL:

SHEET TITLE: SIGN DETAILS – D9 STAIRWELL LEVEL CBC

PROJECT: PERSHING SQUARE RENOVATION PHASE 1A

ADDRESS: 530 S OLIVE ST. LOS ANGELES, CA 90013

WORK ORDER NO. ----------

PLAN FILE NO. [ENTER INFO.]

EG35-1A

SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

REVISION DATE:

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