

APPROVED

APR 07 2022

BOARD OF RECREATION AND PARK COMMISSIONERS

BOARD REPORT

NO. 22-074

DATE April 7, 2022

C.D. 4

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: GRIFFITH PARK - "WINGS OF THE CITY" SCULPTURE INSTALLATION PROJECT (WO# E1908931) (PRJ21231) - APPROVAL OF FINAL PLANS; COMMITMENT OF PARK FEES; CATEGORICAL EXEMPTION FROM THE PROVISIONS OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) PURSUANT TO ARTICLE III, SECTION 1, CLASS 4(6) [TEMPORARY USE OF LAND HAVING NO PERMANENT EFFECTS ON THE ENVIRONMENT]; CLASS 11(4) [PLACEMENT OF TEMPORARY USE ITEMS] AND CLASS 11(5) [SIGNS LOCATED ON CITY PROPERTY MANAGED BY A CITY DEPARTMENT WHICH HAS A SIGN POLICY ADOPTED BY ITS BOARD OF COMMISSIONERS] OF CITY CEQA GUIDELINES AND ARTICLE 19, SECTIONS 15304(e), 15311(a) AND 15311(c) OF CALIFORNIA CEQA GUIDELINES

AP Diaz	_____	M. Rudnick	_____
H. Fujita	_____	<i>for</i> C. Santo Domingo	_____ <i>DF</i>
J. Kim	_____	N. Williams	_____

[Signature]
General Manager

Approved X with corrections Disapproved _____ Withdrawn _____

RECOMMENDATIONS

1. Approve 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 "Wings of the City" Sculpture Installation Project (Project) (WO# E1908931) (PRJ21231);
2. Approve the Project to be bid and constructed through the Department of Recreation and Parks (RAP) As-Needed Pre-Qualified General Contractors for Park Facilities Construction – Facility Modernization, Renovation and/or Repair (PQGC);
3. Approve the authorization of change orders as authorized under Board Report No. 06-136, for the construction contracts for this Project in the budget contingency amounts for such construction contracts as set forth in this Report
4. Authorize Department of Recreation and Parks (RAP) staff to commit from the following fund and work order numbers, a maximum of Four Hundred Thousand Dollars (\$400,000.00) in Park Fees, for the Project;

BOARD REPORT

PG. 2

NO. 22-074

<u>FUNDING SOURCE</u>	<u>FUND/DEPT/ACCT NO.</u>	<u>WORK ORDER NO.</u>
Park Fees	302/89/89716H	QM142579

5. Determine that the Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Article III, Section 1, Class 4(6) [Temporary use of land having no permanent effects on the environment]; Class 11(4) [Placement of temporary use items] and Class 11(5) [Signs located on City property managed by a City department which has a sign policy adopted by its Board of Commissioners] of City CEQA Guidelines and Article 19, Sections 15304(e), 15311(a) and 15311(c) of California CEQA Guidelines and direct staff to file a Notice of Exemption (NOE) with the Los Angeles County Clerk;
6. Authorize the Department of Recreation and Parks (RAP) Chief Accounting Employee or Designee to prepare a check to the Los Angeles County Clerk in the amount of Seventy-Five Dollars (\$75.00) for the purpose of filing a Notice of Exemption; and,
7. Authorize RAP's Chief Accounting Employee or Designee to make technical corrections as necessary to carry out the intent of this Report.

SUMMARY

Griffith Park is located at 4730 Crystal Springs Drive in the Hollywood community of the City. This 4,281.73-acre park provides a variety of recreational programs and activities for the local community. Due to the size of the park, and the facilities, features, programs, and services it provides, Griffith Park meets the standards for a Regional park, as defined in the City's Public Recreation Plan.

The "Wings of the City" sculpture by Jorge Marin was gifted to the City of Los Angeles (City) by Mexico City in 2016. The sculpture features a pair of detailed bronze wings that appear suspended in the air, at about shoulder height. The City has kept the sculpture in storage while awaiting its final installation destination. The sculpture is intended to be installed at the future First and Broadway Park (FAB) Park. However, until the FAB Park Project is ready to receive the sculpture, the Mayor's Office has reached out to the Bureau of Engineering (BOE) and Department of Recreation and Parks (RAP) to find a temporary home for the artwork.

After vetting multiple locations, the Mayor's Office, Council District 4, Department of Cultural Affairs, and the Office of Historic Resources have supported the current proposed location at Griffith Park. The "Wings of the City" sculpture will be temporarily displayed at an outdoor area within an existing concrete viewing plaza, known as the Hollywood Sign Terrace to the south of the existing public restrooms that are located approximately 600 feet north of the Griffith Observatory.

The Project's scope of work includes preparation of concrete foundation, structural anchoring and the installation of the sculpture to the foundation. In addition, there will be inground spotlights to shine on the sculpture.

BOARD REPORT

PG. 3

NO. 22-074

The Project was presented to the Griffith Park Advisory Board (GPAB) on January 27, 2022. RAP also presented the Project to the Los Feliz Neighborhood Council (LFNC) on February 15, 2022. The Council Office District 4 and community members are supportive of the Project. Staff also presented the Project to the commissioners at the RAP’s Facility Repair and Maintenance Commission Task Force on February 3, 2022.

Project’s plans and specifications were prepared by staff from BOE, Architectural Division. After review by RAP and BOE staff, it was determined that the construction work can be completed by RAP’s PQGC, and that BOE’s Construction Management Division will provide construction management services.

The City Engineer estimate for the construction is Three Hundred Seventy-Eight Thousand Dollars (\$378,000), including the construction contingency of Twenty-Two Thousand Dollars (\$22,000).

PROJECT FUNDING

Upon approval of this Report, Four Hundred Thousand Dollars (\$400,000.00) in Park Fees can be committed to the proposed Project.

These Park Fees were collected within ten miles (10) miles of Griffith Park, which is the standard distance for the commitment of the Park Fees for regional recreational facilities pursuant to Los Angeles Municipal Code Section 12.33 E.3.

FUNDING SOURCE MATRIX

Source	Fund/Dept/Acct	Amount	Percentage
Park Fees	302/89/89716H	<u>\$400,000.00</u>	<u>100%</u>
Total		\$400,000.00	100%

TREES AND SHADE

This Project will not have any tree removals and tree plantings.

ENVIRONMENTAL IMPACT

The proposed Project consists of a temporary use of land having no permanent effects on the environment; placement of temporary use items and signs located on City property managed by a City department which has a sign policy adopted by its Board of Commissioners.

This site is not within a coastal or methane zone, so there is no reasonable possibility that the project may impact on an environmental resource of hazardous or critical concern or have a significant effect due to unusual circumstances. No other known projects would involve cumulatively significant impacts, and no future projects would result from the proposed project.

BOARD REPORT

PG. 4

NO. 22-074

As of March 8, 2022, the State Department of Toxic Substances Control (DTSC) (Envirostor at www.envirostor.dtsc.ca.gov) has not listed the Project site or any contaminated sites near the Project area (within 500 feet). According to the Caltrans Scenic Highway Map, there is no scenic highway located within the vicinity of the project or within the project site. Furthermore, although the proposed Project is located with Griffith Park, a City of Los Angeles Historic Cultural Monument (HCM #942) and in proximity of the Griffith Observatory (HCM #168), the temporary nature of the installation will not cause a substantial adverse change in the significance of any of these historical resources.

Based on this information, staff recommends that the Board determine that the proposed Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Article III, Section 1, Class 4(6), Class 11(4) and Class 11(5) of City CEQA Guidelines and Article 19, Sections 15304(e); Section 15311(c) and 15311(a) of California CEQA Guidelines. Staff will file a Notice of Exemption with the Los Angeles County Clerk upon Board's approval.

FISCAL IMPACT

The approval of the commitment of Park Fees will have no fiscal impact on RAP's General Fund.

STRATEGIC PLAN INITIATIVES AND GOALS

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

Goal No. 1: Provide Safe and Accessible Park.

Outcome No. 1: All parks are safe and welcoming.

This Report was prepared Erik Villanueva, Architect, Architectural Division, Bureau of Engineering; Reviewed by Sean Phan, Civil Engineer, Planning, Construction and Maintenance Branch; Darryl Ford, Superintendent, Planning, Construction and Maintenance Branch.

LIST OF ATTACHMENT

Attachment 1 – Final Plans and Specifications

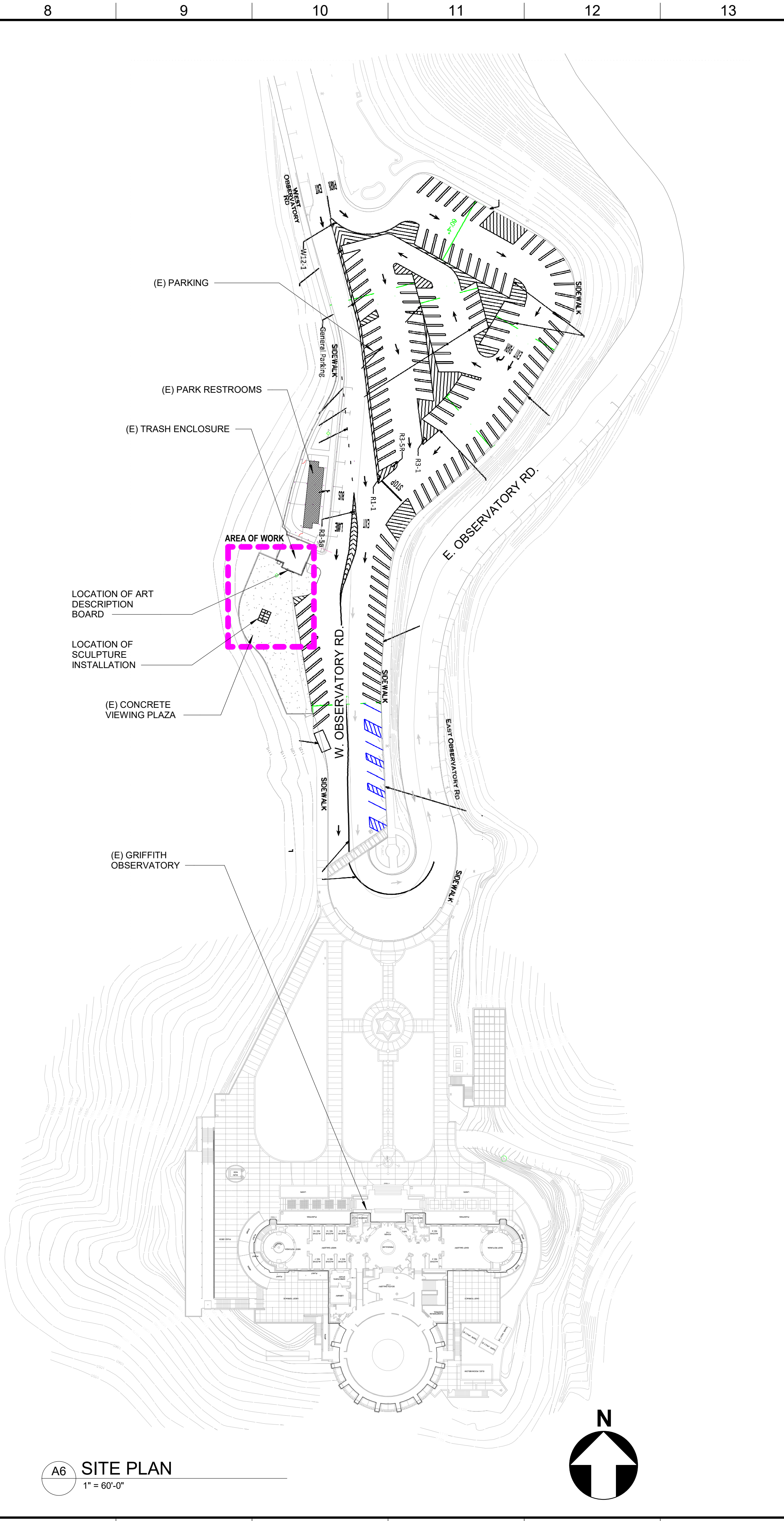
REVISION DATES (DESIGN STAGE ONLY)

GENERAL NOTES 1. THESE DRAWINGS AND SPECIFICATIONS AND COPIES, OR ANY OTHER ACCESSORIES THEREOF, ARE LEGAL INSTRUMENTS OF SERVICE FOR USE BY THE CITY AND AUTHORIZED REPRESENTATIVES ON THE DESIGNATED PROPERTY ONLY. 2. ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE CURRENT EDITION OF CITY BUILDING CODE AND ALL OTHER GOVERNING AGENCIES' REQUIREMENTS. 3. CONTRACTOR SHALL COMPLY WITH THE REGULATIONS OF THE OCCUPATION SAFETY AND HEALTH ACT. 4. ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED ON THE JOB SITE BY EACH SUBCONTRACTOR BEFORE THAT SUBCONTRACTOR BEGINS WORK. ANY ERRORS, OMISSIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER AND GENERAL CONTRACTOR BEFORE CONSTRUCTION BEGINS. 5. ACCESSIBILITY AND USABILITY FOR THE PHYSICALLY HANDICAPPED SHALL CONFORM TO STATE OF CALIFORNIA HANDICAP ACCESS LAWS AS STIPULATED BY TITLE 24 AND SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. 6. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS WHICH ARE NECESSITATED BY FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER. 7. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE. NOTE THAT DIMENSIONS ARE TO FACE OF WALL, UNLESS OBVIOUSLY SHOWN, OR MARKED CENTERLINE OF WALL OR COLUMN. CONTRACTOR SHALL NOT SCALE FROM THE DRAWING. 8. TYPICAL DETAILS SHALL APPLY WHERE NO SPECIFIC DETAILS OR SECTIONS ARE PROVIDED. 9. PROVIDE PEDESTRIAN AND PROPERTY PROTECTION BARRICADES AND/OR CANOPIES AS REQUIRED BY THE LOCAL AUTHORITIES, OR AS NECESSARY FOR PEDESTRIAN SAFETY. A PERMIT IS REQUIRED FROM THE DEPARTMENT OF PUBLIC WORKS FOR A PROTECTION FENCE OR CANOPY ON OR OVER ANY STREET OR PUBLIC SPACE. 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS CLEANUP OF THE SITE AND OF ALL DEBRIS, WHETHER CREATED BY HIS WORK, OR BY THE FAILURE OF HIS SUBCONTRACTORS TO CLEAN UP AFTER THEIR WORK. 11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUPERVISE ALL CUTTING AND PATCHING OF FINISHED WORK ALREADY INSTALLED, IF MADE NECESSARY BY ERRORS, CHANGES, OR OTHER REASONS; ALL REPLACEMENT WORK SHALL MATCH ORIGINAL SURFACES. 12. CONTRACTOR SHALL PROVIDE GALVANIC ISOLATION BETWEEN DISSIMILAR METALS. 13. ALL SURVEY DATA SHOWN ON DRAWINGS IS BASED ON A SURVEY MADE BY THE CITY OF LOS ANGELES, BUREAU OF ENGINEERING. 14. SOILS INVESTIGATION WAS PERFORMED BY GEOTECHNICAL ENGINEERING DIVISION, CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS, BUREAU OF ENGINEERING, FILE -- SUPPLEMENTAL. 15. HERE SHALL NOT BE EXPOSED PIPE, CONDUIT, DUCTS, VENTS, ETC. IN DESIGNATED FINISH SPACE OR AT BUILDING EXTERIOR, UNLESS NOTED AS EXPOSED CONSTRUCTION ON FINISH SCHEDULE OR SPECIFIED ON PLANS. 16. ALL ADDENDA, REQUESTS FOR INFORMATION, CHANGE ORDERS, BULLETINS, AND NOTICES, IF ANY ISSUED LATER, SHALL BE CONSIDERED AS PART OF THE WORK. 17. IN THE EVENT THERE ARE FOUND DISCREPANCIES OR AMBIGUITIES IN OR OMISSIONS FROM THE DRAWINGS, OR SHOULD THERE BE DOUBT AS TO THEIR MEANING OR INTENT, THE CITY ENGINEER SHALL BE NOTIFIED, IN ORDER TO PROVIDE A WRITTEN CLARIFICATION. 18. WHERE FACTORY PRIMED ITEMS OCCUR, SUCH AS GRILLES, DIFFUSERS, METAL TRIM AND ACCESSORIES, ETC. PAINT TO MATCH THE ADJACENT SURFACE OR AS SPECIFIED AS DIRECTED BY THE CITY ENGINEER. 19. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN APPROVAL BY THE LOCAL BUILDING INSPECTOR FOR ALL CONCEALED WORK BEFORE CLOSING UP. 20. PROVIDE BACKING FOR ALL CABINETS OR WALL HUNG EQUIPMENT PER MANUFACTURERS SPECIFICATIONS OR AS DIRECTED BY THE CITY ENGINEER. 21. ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE, OR LESS THAN 6" ABOVE THE GROUND SHALL BE PRESSURE-TREATED WOOD. 22. ALL EXTERIOR OPENINGS EXPOSED TO THE WEATHER SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF. ALL FLASHING, COUNTERFLASHING AND COPING WHEN OF METAL, SHALL MEET THE GAUGES SPECIFIED, BUT NO LESS THAN 24 GA. GALVANIZED. 23. ALL GLAZING WITHIN 18" OF A FLOOR SHALL BE TEMPERED. 24. NO TRENCHES OR EXCAVATIONS 6' OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND SHALL BE ALLOWED WITHOUT ENGINEERED SHORING PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE SUCH PLANS AND OBTAIN REQUIRED APPROVALS. 25. FIRE BLOCK AT MID-HEIGHT OF WALLS OVER 8'-0" HIGH. 26. PROVIDE WATERPROOF MEMBRANE OVER ALL EXTERIOR BUILDING WALLS BELOW GRADE. CARRY WATERPROOF MEMBRANE 6" ABOVE FINISHED GRADE. INSTALL PROTECTION BOARD PRIOR TO BACKFILLING. 27. THE CONSTRUCTION OR DEMOLITION OF ANY BUILDING, STRUCTURE, SCAFFOLDING OR FALSEWORK MORE THAN THREE-STORIES OR 36 FEET IN HEIGHT, REQUIRES A PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. 28. CONTRACTOR IS RESPONSIBLE FOR PAYING AND ACQUIRING PERMITS FOR CONSTRUCTION SIGNS. 29. EXIT DOOR SHALL NOT BE LESS THAN 36" IN WIDTH AND NOT LESS THAN 6'-8" CLEAR IN HEIGHT. PROJECTIONS INCLUDING PANIC HARDWARE SHALL NOT REDUCE THE OPENING TO LESS THAN 32" IN WIDTH. 30. THE EXIT DOOR MUST OPEN OVER A LANDING NOT MORE THAN 1/2" BELOW THE THRESHOLD. 31. INTERIOR WALL AND CEILING FINISHES FOR RECREATION AREAS SHALL NOT EXCEED A FLAME SPREAD CLASSIFICATION OF 200 (CLASS III). 32. ANY DECORATIONS USED SHALL BE NON COMBUSTIBLE OR FLAME RETARDANT TREATED IN AN APPROVED MANNER (CURTAINS, DRAPES, SHADES, ETC.). 33. PROVIDE ILLUMINATED EXIT SIGNS AND DIRECTIONAL ILLUMINATED EXIT SIGNS WITH MINIMUM 6" HIGH x 3/4" STROKE BLOCK LETTERS IN CONTRASTING BACKGROUND. LOCATIONS AS SHOWN ON PLANS AND AS REQUIRED BY FIRE DEPARTMENT INSPECTOR. WHENEVER THE BUILDING IS OCCUPIED, EXIT SIGNS SHALL BE LIGHTED SO THEY ARE CLEARLY VISIBLE. 34. EXIT PATH LIGHTING SHALL BE PROVIDED FOR HALL WAY, EXIT PASSAGE WAY, & EGRESS TO PUBLIC WAY ANYTIME THE BUILDING IS OCCUPIED.

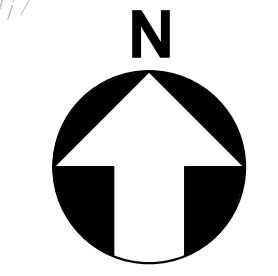
GENERAL NOTES 35. PROVIDE ACCESS PANELS FOR MECHANICAL, ELECTRICAL, & PLUMBING EQUIPMENT. REVIEW LOCATIONS WITH THE CITY ENGINEER PRIOR TO STARTING WORK. PANEL FINISHES SHALL BE SELECTED BY THE CITY ENGINEER FROM A STANDARD COLOR PALETTE U.N.O. 36. POST OCCUPANT LOAD SIGNS IN RECREATION AND VOCATIONAL ROOM AS REQUIRED BY CODE. 37. THE CONTRACTOR SHALL PAY FOR ALL SURCHARGES, CONNECTION FEES, METER FEES, OR ANY MISC. FEES IMPOSED/REQUIRED BY UTILITY COMPANIES AS PART OF THEIR CONDITION OF SERVICES. 38. ALL EXPOSED EXTERIOR METAL FABRICATIONS SHALL BE SHOP GALVANIZED PER ASTM A153, A123, AND A386 U.N.O. FOR REPAIR OF DAMAGED GALVANIZED SURFACES RESULTING FROM WELDING USE GALVALLOY METHOD IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. 39. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES. 40. DOUBLE STRIPING OF STALLS SHALL BE PER FIG. 7 OF THE CITY OF LA BLDG. DEPT. STANDARDS. 41. *THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR & UNOBSTRUCTED ACCESS TO ANY WATER OR POWER FACILITIES OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES. *AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER & BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. *PROVIDE ULTRA FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS & TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION. 42. DETAIL ALL STAIRWAYS TO COMPLY WITH SECTION 1009. a. RISE: 7" MAX. RUN (TREAD): 11" MIN. h. HANDRAIL HEIGHT: 34'-38", MAX 4" OPENINGS (1012.2).

STORM WATER - BEST MANAGEMENT PRACTICE

CONTRACTOR MUST COMPLY WITH THE FOLLOWING STANDARDS: 1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSE OR WIND. 2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY WIND OR WATER. 3. FUELS, SOILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL NOT THE SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM. 4. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE. 5. TRASH AND CONSTRUCTION-RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. 6. SEDIMENTS AND OTHER MATERIALS MAY 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 PUBLIC WAYS. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR BY ANY OTHER MEANS.



A6 SITE PLAN 1" = 60'-0"



DRAWING INDEX

Table listing drawing categories and sheet numbers: GENERAL (G001 COVER SHEET, G002 SITE PLAN, DRAWING INDEX, PROJECT DATA, GENERAL NOTES), ARCHITECTURAL (A001 ABBREVIATIONS, MATERIALS KEY, SYMBOL KEY, A101 DEMO SITE PLAN AND PROPOSED PLAN, A201 ELEVATION, SECTIONS AND DETAILS, A301 ENLARGED SECTIONS AND HARDSCAPE DETAILS), STRUCTURAL (S001 GENERAL NOTES, S002 PLAN, ELEVATION, AND DETAILS), ELECTRICAL (E001 GENERAL NOTES, E100 ELECTRICAL SYSTEM, E101 TITLE 24 (OUTDOOR LIGHTING)). Grand total: 11.

PROJECT INFORMATION

SCOPE OF WORK: INSTALLATION OF A SCULPTURE AT GRIFFITH PARK, NORTH OF THE GRIFFITH OBSERVATORY, AND JUST SOUTH OF THE EXISTING PUBLIC RESTROOM BUILDING. WORK INCLUDES (2) CAISSON FOUNDATIONS AND ANCHORING OF THE SCULPTURE IN AN EXISTING VISTA POINT PLAZA, NEW CONCRETE HARDSCAPE AROUND THE SCULPTURE, AND TWO IN-GROUND LOW WATTAGE SPOT LIGHTS.

Table with 2 columns: Description and Value. AREA OF NEW HARDSCAPE: 93 SF. MAX. HEIGHT OF SCULPTURE: 13'-0". MAX WIDTH OF SCULPTURE: APPROX. 11'-0".

Table with 2 columns: Description and Value. PROJECT DATA: ADDRESS: 2850 OBSERVATORY ROAD. TRACT: RANCHO LOS FELIZ. MAP REFERENCE: MR 1-163/164. BLOCK: -. LOT: 38. ZONE: OS-1XL. COUNCIL DISTRICT: COUNCIL DISTRICT 4.

Vertical sidebar containing: ENGINEERING CITY OF LOS ANGELES logo; BUREAU OF ENGINEERING logo; DEPARTMENT OF PUBLIC WORKS logo; CITY OF LOS ANGELES logo; GARY LEE MOORE, P. E., ENV SP DESIGN GROUP; ENGINEER: MANAN BHALLA; ARCHITECT: ERIC VILLANUEVA; DESIGNED BY: EV; DRAWN BY: EV; CHECKED BY: MARINA QUINONEZ; APPROVED BY: STEVEN FIERCE; WORK ORDER E1908931; SHEET NAME G002; SHEET 2 OF SHEETS.

REVISION DATES (DESIGN STAGE ONLY)

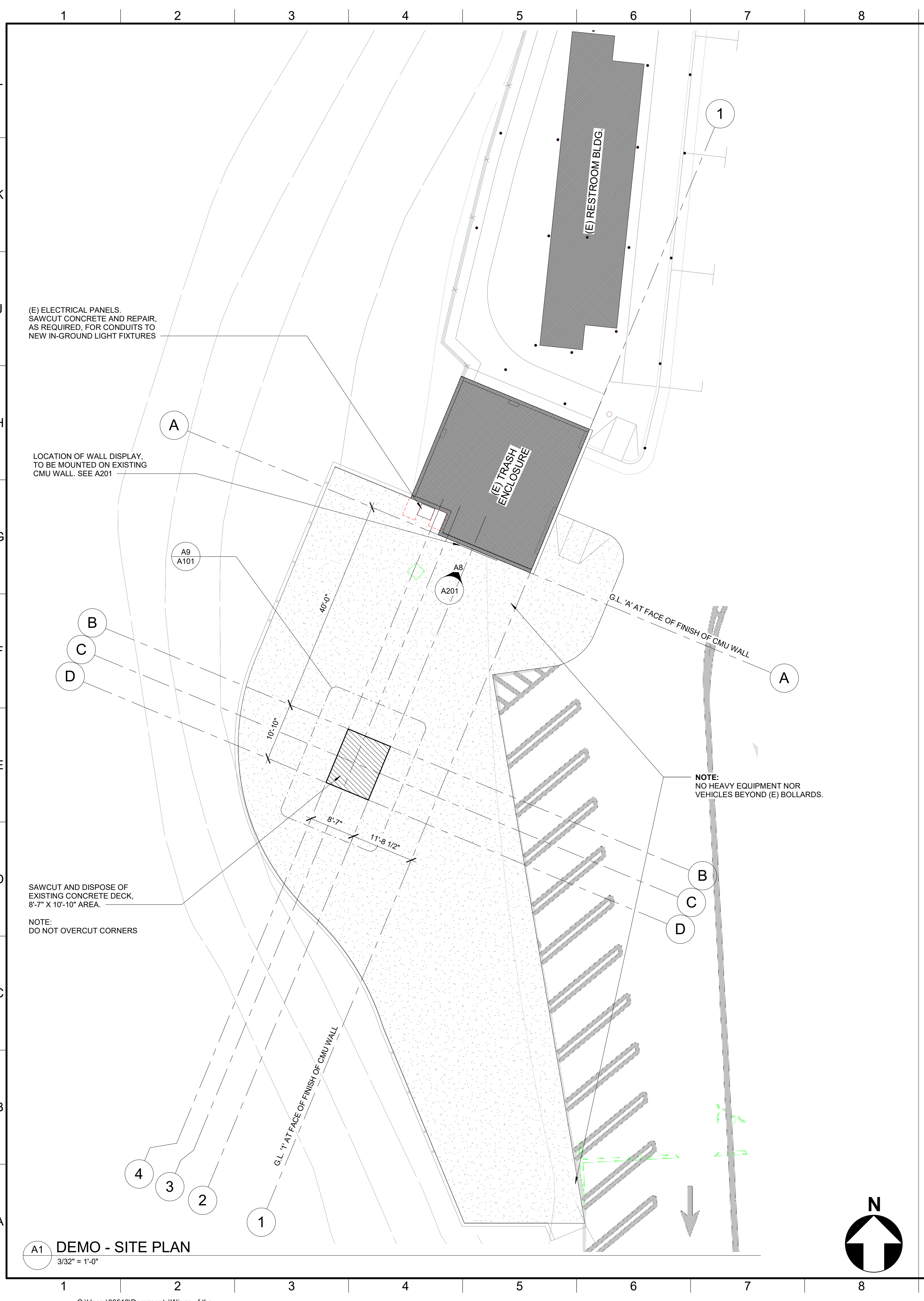
ABBREVIATIONS table with columns A through N and rows for various construction terms like ABOVE, BASEMENT, CABINET, etc.

MATERIALS KEY table with columns for material types (EARTHWORKS, CONCRETE, MASONRY, etc.) and their corresponding symbols.

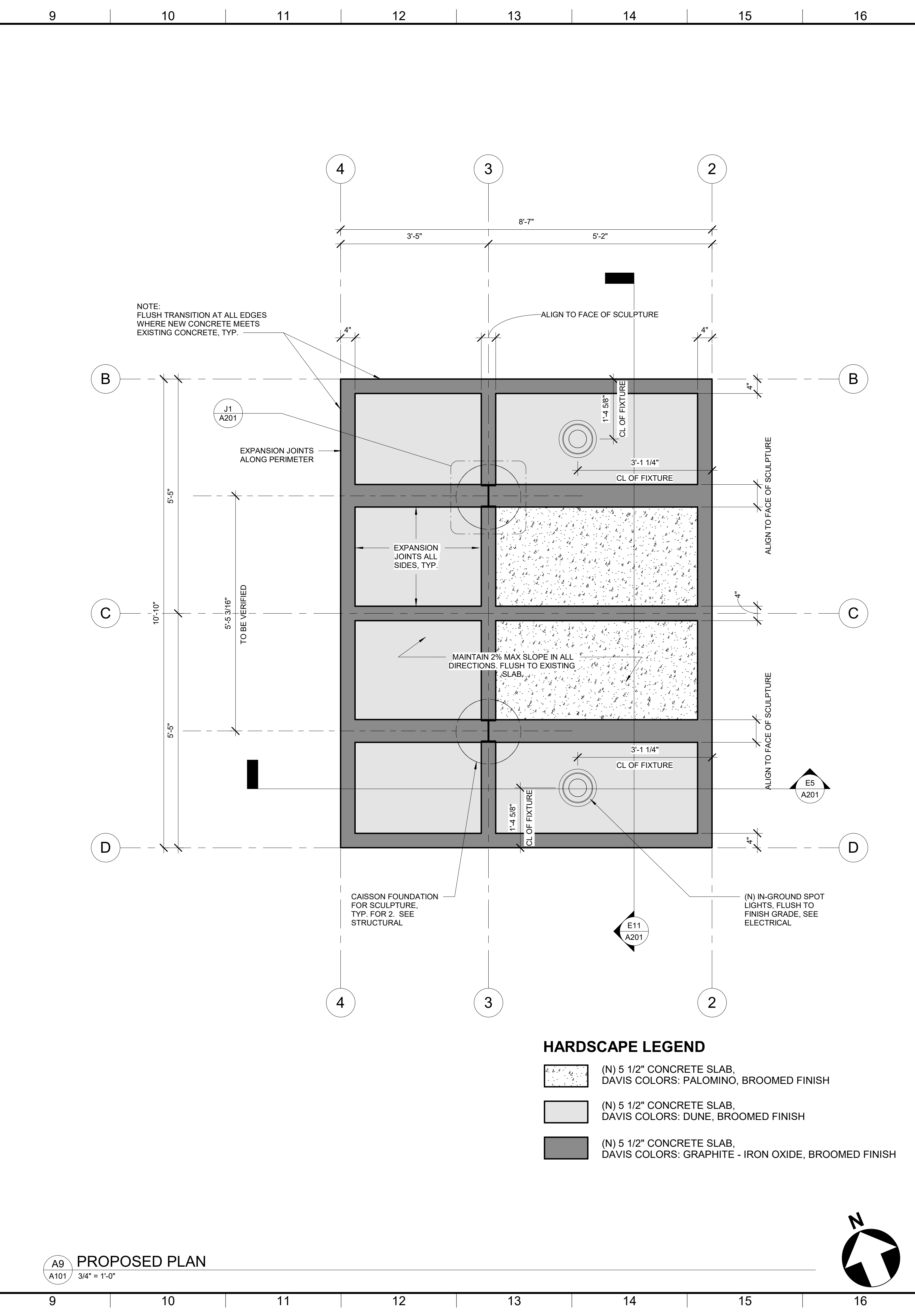
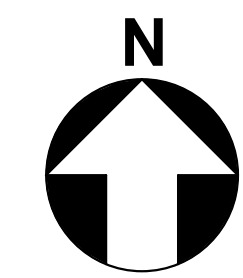
SYMBOL KEY section containing diagrams for VIEW TITLE MARK, EXTERIOR ELEVATION, SECTION FLAG, and other symbols used in the drawing.

Engineering title block for BUREAU OF ENGINEERING, DEPARTMENT OF PUBLIC WORKS, CITY OF LOS ANGELES, including project details and professional seals.

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.



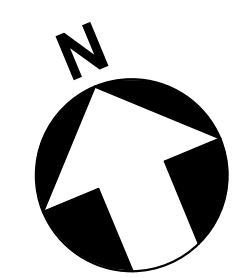
A1 DEMO - SITE PLAN
3/32" = 1'-0"



A9 PROPOSED PLAN
3/4" = 1'-0"

HARDSCAPE LEGEND

	(N) 5 1/2" CONCRETE SLAB, DAVIS COLORS: PALOMINO, BROOMED FINISH
	(N) 5 1/2" CONCRETE SLAB, DAVIS COLORS: DUNE, BROOMED FINISH
	(N) 5 1/2" CONCRETE SLAB, DAVIS COLORS: GRAPHITE - IRON OXIDE, BROOMED FINISH



ENGINEERING
CITY OF LOS ANGELES

THIS PLAN WAS ELECTRONICALLY SIGNED AND STAMPED

BUREAU OF ENGINEERING

VERTICAL CONTROL: _____ BY: _____ DATE: _____

HORIZONTAL CONTROL: _____

SHEET TITLE: DEMO SITE PLAN AND PROPOSED PLAN

PROJECT: "WINGS OF THE CITY" SCULPTURE INSTALLATION

ADDRESS: 2850 W OBSERVATORY RD
LOS ANGELES 90027

NO. _____ REVISION DESCRIPTION _____ DATE _____

CITY ENGINEER: _____ DATE: _____

DESIGN GROUP: _____

ENGINEER: MANAN BHALLA

ARCHITECT: ERIK VILLANUEVA

DESIGNED BY: EV

DRAWN BY: EV

CHECKED BY: MARINA QUINONEZ

APPROVED BY: STEVEN FIERCE

WORK ORDER: E1908931

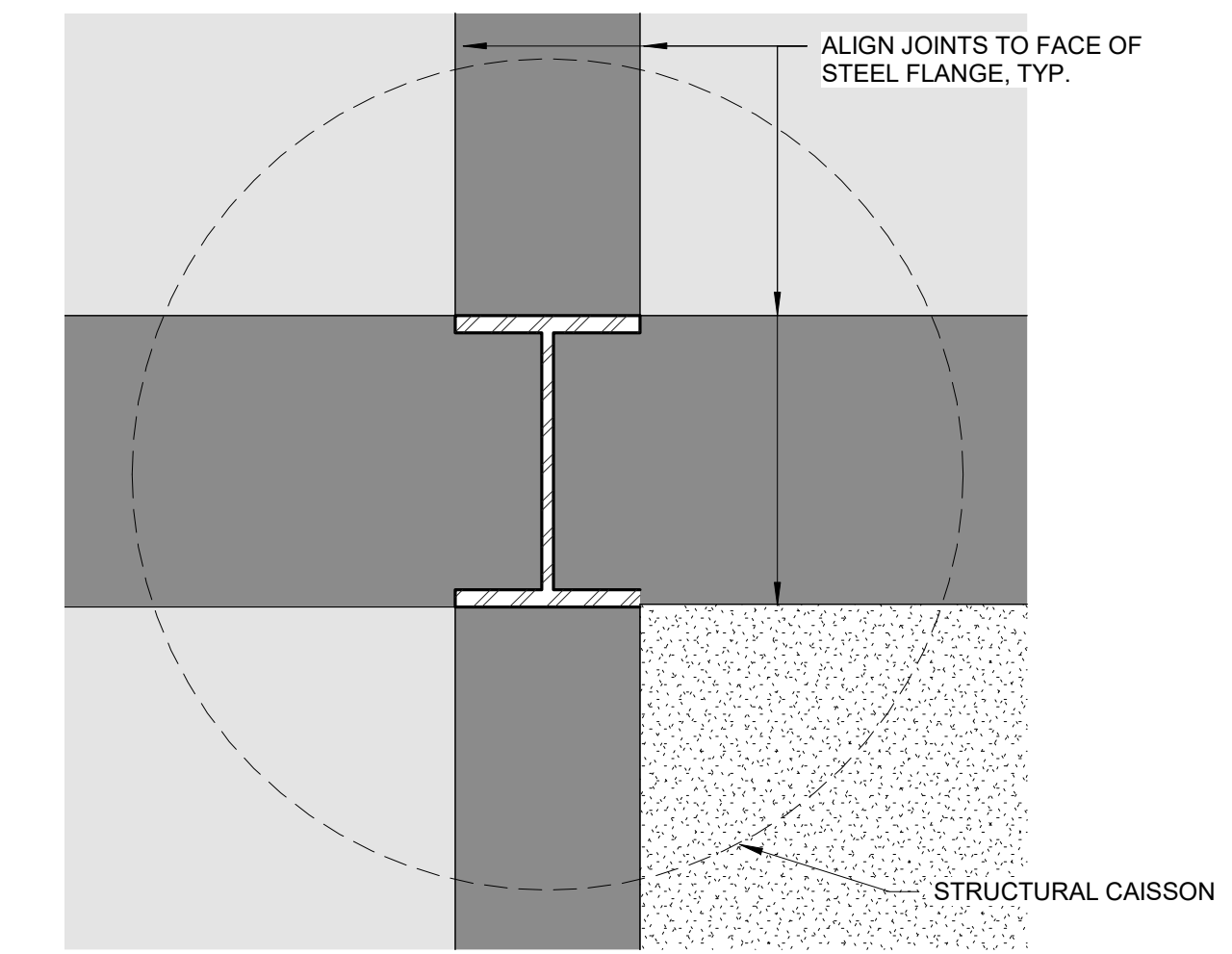
SHEET NAME: **A101**

SHEET 4 OF SHEETS

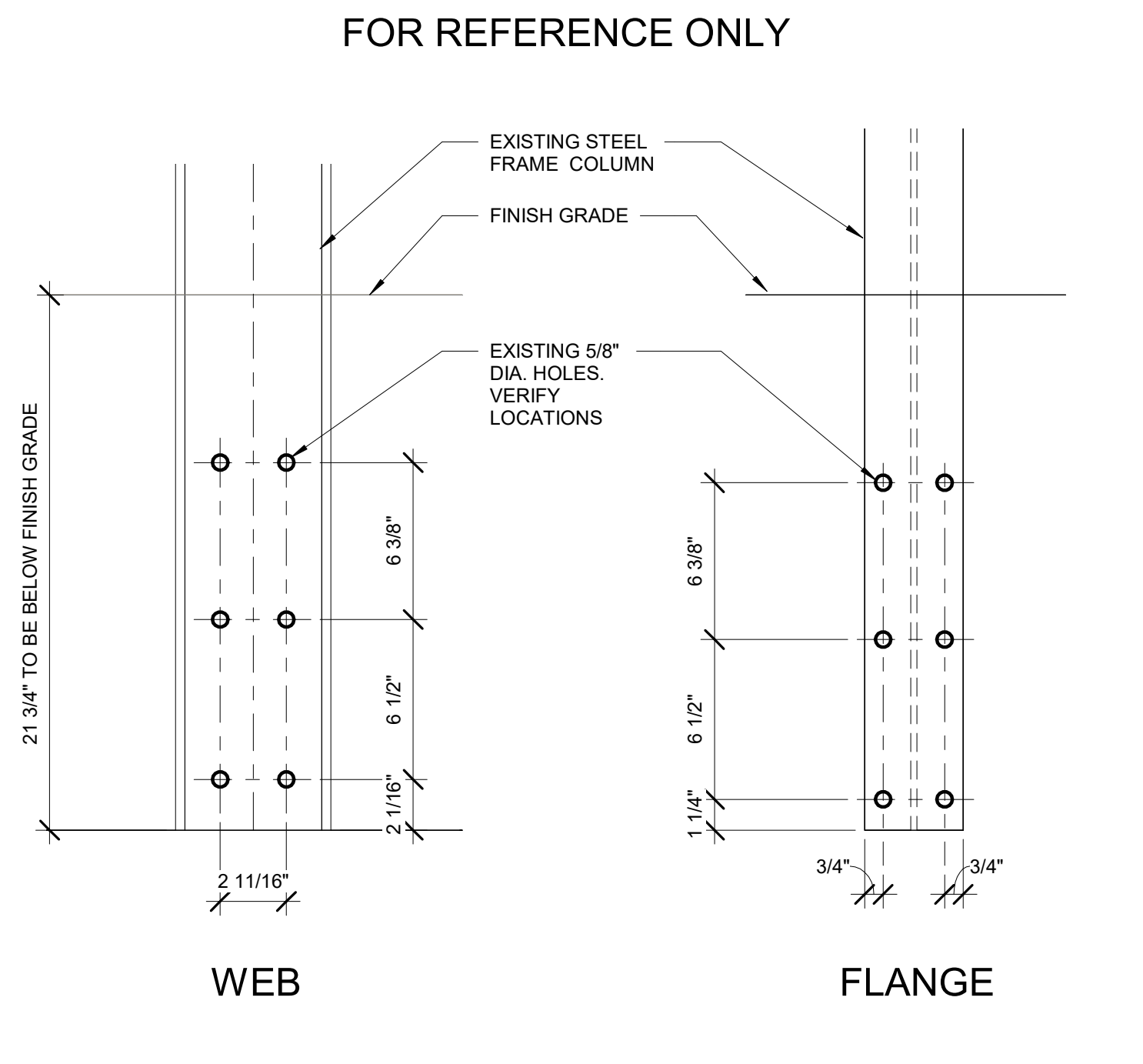
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

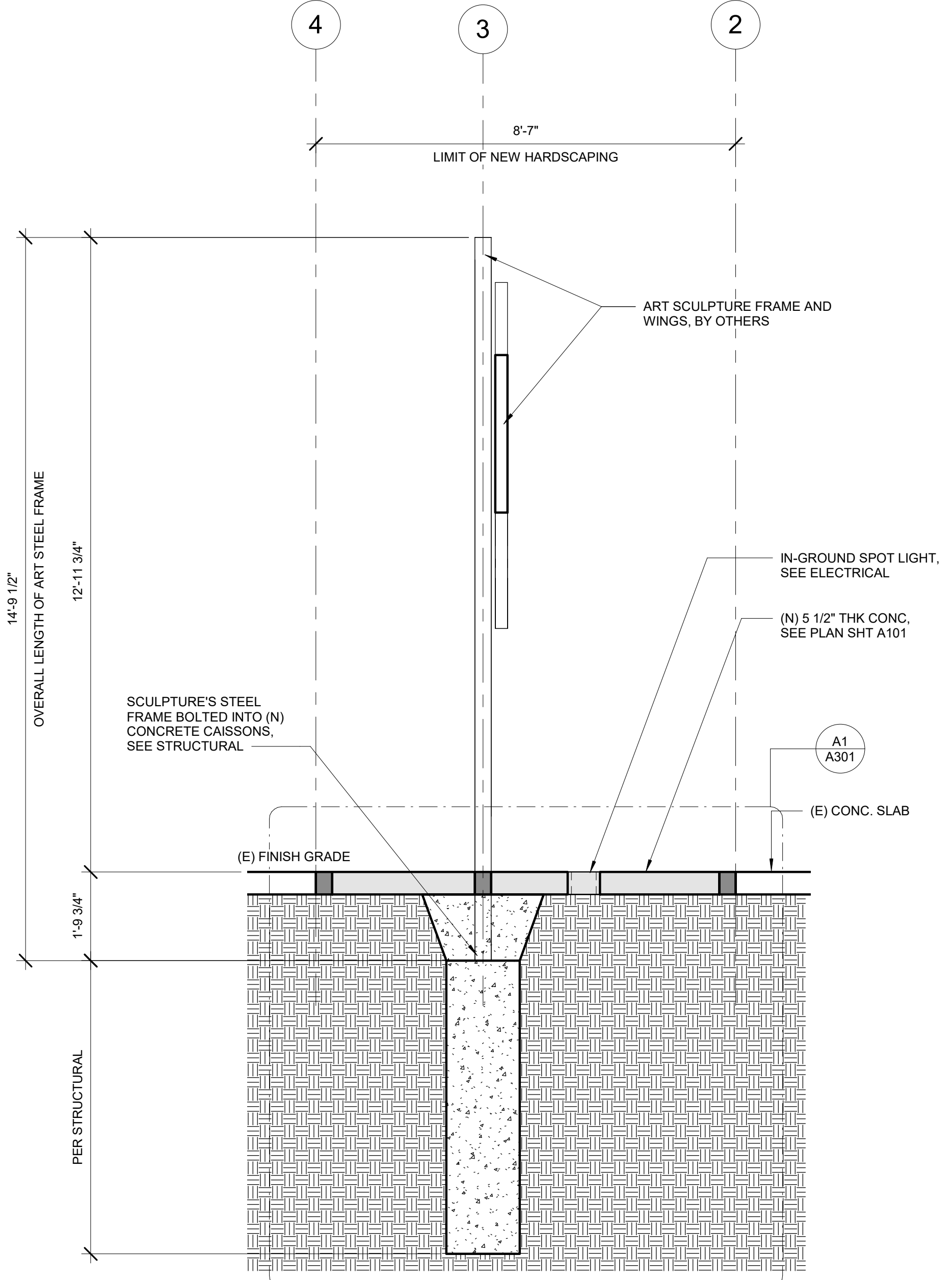
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



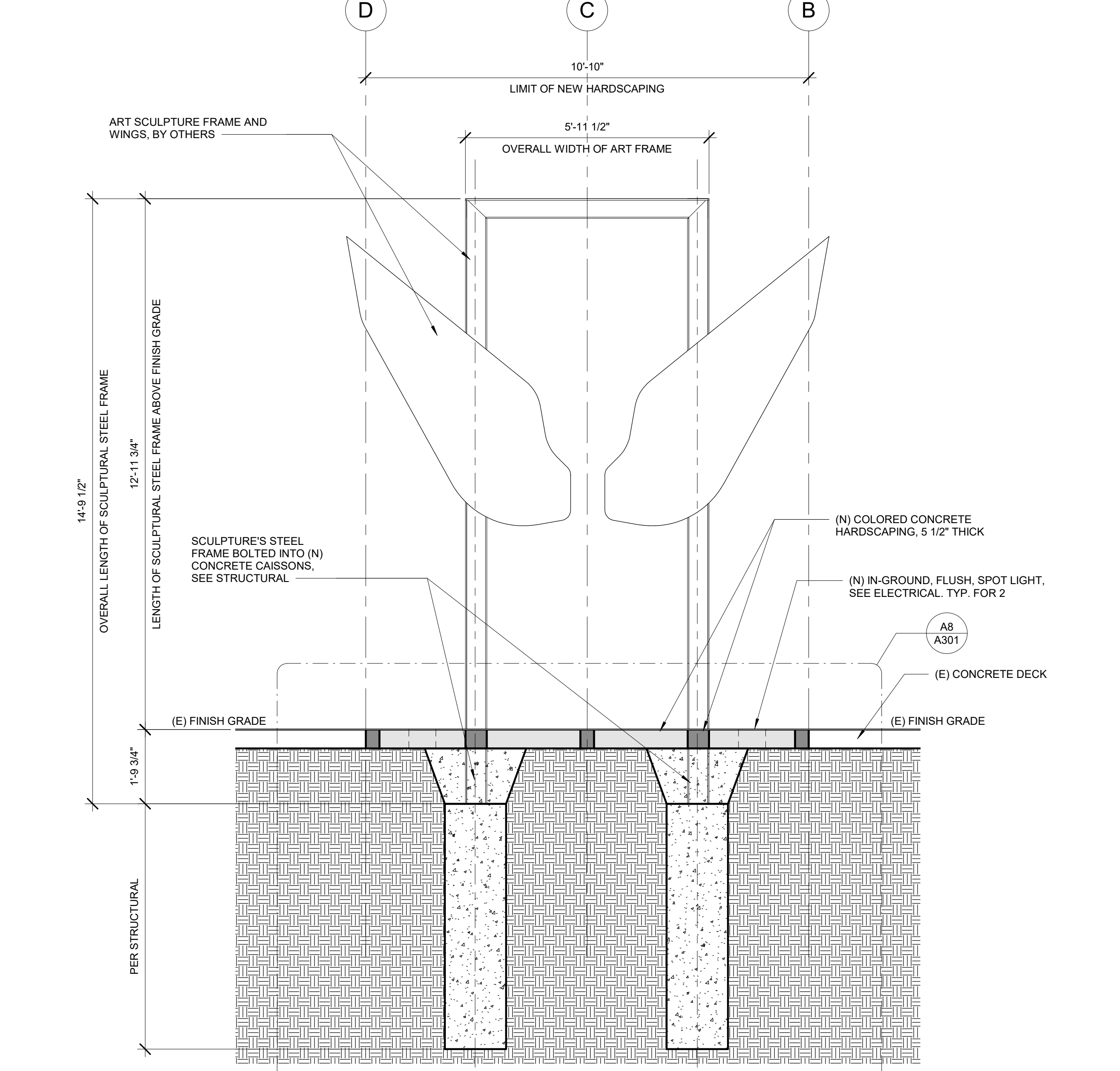
J1 SCULPTURE'S STEEL FRAME AT NEW HARDSCAPE
3" = 1'-0" A9/ A101



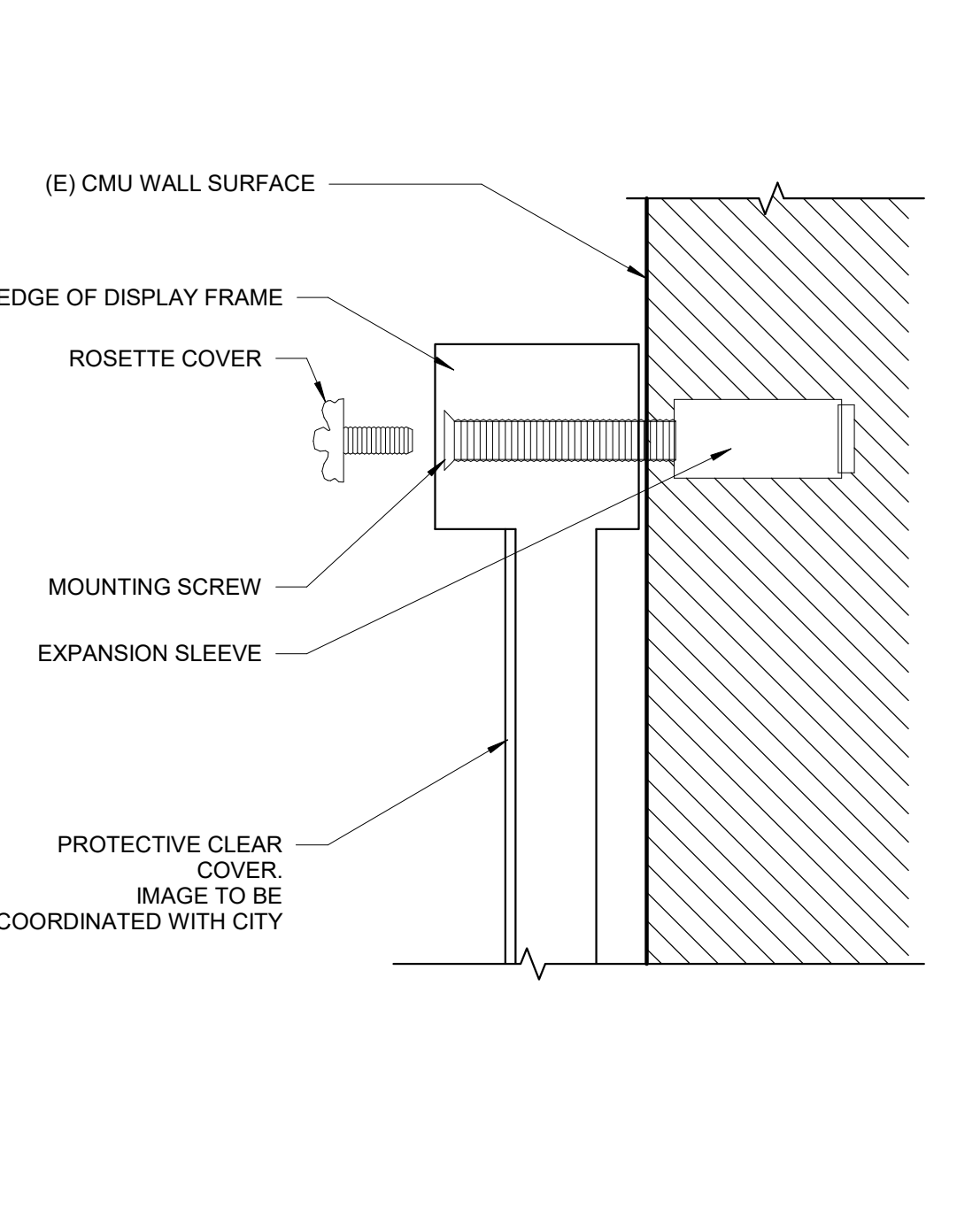
E1 (E) STEEL FRAME WEB 1:6 A8/ A301
E3 (E) STEEL FRAME FLANGE 1:6 A1/ A301



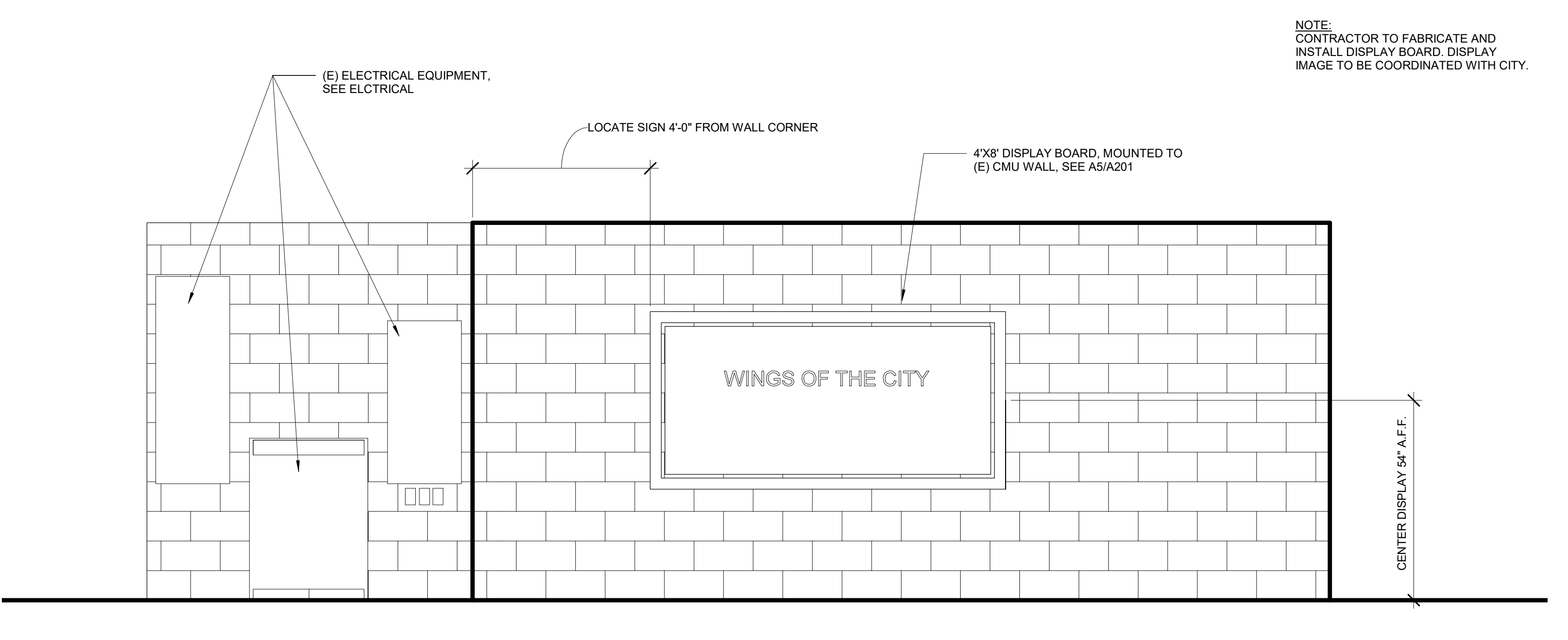
E5 CROSS SECTION 1/2" = 1'-0" A9/ A101



E11 LONGITUDINAL SECTION 1/2" = 1'-0" A9/ A101



A5 ATTACHMENT DETAIL 1 1/2" = 1'-0" A1/ A101



A8 ELEVATION OF EXISTING ADJACENT CMU WALL ENCLOSURE 1/2" = 1'-0" A1/ A101

NOTE:
CONTRACTOR TO FABRICATE AND
INSTALL DISPLAY BOARD. DISPLAY
IMAGE TO BE COORDINATED WITH CITY.

ENGINEERING
CITY OF LOS ANGELES

THIS PLAN WAS ELECTRONICALLY SIGNED AND STAMPED

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

ENGINEER: MANAN BHALLIA
ARCHITECT: ERIK VILLANUEVA
DESIGNED BY: EV
DRAWN BY: MARINA QUINONEZ
CHECKED BY: STEVEN FIERCE
APPROVED BY: STEVEN FIERCE

WORK ORDER
E1908931

SHEET NAME
A201

SHEET 5 OF SHEETS

VERTICAL CONTROL: ELEVATION, SECTIONS AND DETAILS
HORIZONTAL CONTROL: ELEVATION, SECTIONS AND DETAILS
PROJECT: WINGS OF THE CITY SCULPTURE INSTALLATION
ADDRESS: 2850 W OBSERVATORY RD LOS ANGELES 90027

CIP NO. G1184

INDEX NO.

GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF 2020 CITY OF LOS ANGELES BUILDING CODE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL THE CONTRACT DRAWINGS.
3. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF SCALED DIMENSIONS ON ANY PLAN.
4. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
5. A STAMPED SET OF PLANS AND SPECIFICATIONS SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
6. MANUFACTURED MATERIALS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO THEIR USE.
7. PIPE SLEEVES, CONDUITS, DUCTS, INSERTS, AND OTHER SIMILAR EMBEDDED ITEMS SHALL BE IN PLACE PRIOR TO PLACEMENT OF CONCRETE.
8. NO PIPES, DUCTS, SLEEVES, OR OTHER MECHANICAL, PLUMBING, AND ELECTRICAL TRADE ITEMS SHALL PASS THROUGH STRUCTURAL MEMBERS UNLESS SHOWN ON THE STRUCTURAL PLANS OR APPROVED BY THE CITY ENGINEER OF RECORD.
9. SEWER AND UTILITY LINES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.
10. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK.
11. REVIEW OF SUBMITTAL WILL BE FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND CONTRACT DOCUMENTS.
12. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR PEDESTRIANS AND VEHICLES ADJACENT TO THE PROJECT SITE DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL OBTAIN AND ARRANGE FOR ALL REQUIRED PERMITS AND INSPECTIONS.

REINFORCING STEEL

- 1. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE, DEFORMED BARS, CONFORMING TO ASTM A615-60.
2. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A-1064. MESH SHALL BE LAPPED (9" MINIMUM).
3. ALL BARS SHALL BE CLEAN OF LOOSE FLAKY RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND.
4. ALL BENDS SHALL BE MADE COLD.
5. REINFORCING BARS SHALL BE SPLICED AND BENT IN STRICT ACCORDANCE WITH THE C.R.S.I. PUBLICATION AND DETAIL DRAWINGS.
6. PROVIDE DOWELS OF SAME SIZE AND NUMBER FROM ADJACENT POUR, BOTH VERTICALLY AND HORIZONTALLY TO MATCH TYPICAL REINFORCING SHOWN.
7. ALL HOOKS SHALL BE STANDARD HOOKS, UNLESS NOTED OTHERWISE.
8. ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE OR APPLYING MORTAR OR GROUT.
9. ALL REINFORCING SHALL BE ACCURATELY PLACED AND FIRMLY SUPPORTED AS RQUIRED BY THE ACI STANDARDS.
CONCRETE POURING AGAINST EARTH.....3"
FORMED CONCRETE IN CONTACT WITH EARTH OR WEATHER.....1-1/2"
SLABS.....1-1/2

STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS.
2. ALL STRUCTURAL STEEL W-SHAPES SHALL CONFORM TO ASTM A-992. ALL OTHER SHAPES SHALL COMPLY WITH ASTM A36.
3. ALL HIGH STRENGTH (H.S.) BOLTS, NUTS AND WASHERS SHALL COMPLY WITH ASTM A325 OR BETTER.
4. WELDING SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1 SPECIFICATIONS.
5. ALL COMPLETE PENETRATION SHOP WELDING, ALL FIELD WELDING AND HIGH STRENGTH BOLTING, EXCEPT MINOR OR TACK WELDING SHALL BE CONTINUOUSLY INSPECTED BY AN INSPECTOR APPROVED BY THE CITY OF LOS ANGELES, DEPARTMENT OF BUILDING AND SAFETY.

EARTHWORK & FOUNDATION NOTES

- 1. THE CONTRACTOR SHALL CONFORM WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEERS' GEOTECHNICAL REPORT W.O.#E170201D, GEO FILE #05-088 DATED OCTOBER 20, 2005, ENTITLED GEOTECHNICAL ENGINEERING REPORT GRIFFITH PARK OBSERVATORY-RESTROOMS PROJECT ADDRESS 2850 W OBSERVATORY RD LOS ANGELES, CA 90027.
2. THE CONTRACTOR SHALL NOTIFY THE PROJECT GEOTECHNICAL ENGINEER, OR THEIR DESIGNEE, TO MONITOR, INSPECT, AND APPROVE ANY EXCAVATIONS, SHORING INSTALLATION, FOUNDATIONS, AND THE PLACEMENT OF COMPACTED FILL.
3. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION BY THE CITY OF LOS ANGELES, DEPARTMENT OF BUILDING AND SAFETY, AT LEAST 48 HOURS IN ADVANCE.
4. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL FURNISH THE CITY ENGINEER A WRITTEN DESCRIPTION OF THE PROPOSED PROCEDURES AND CALCULATIONS PREPARED, SIGNED, AND SEALED BY A CALIFORNIA REGISTERED CIVIL OR STRUCTURAL ENGINEER FOR INFORMATION ONLY.
5. ALL EXCAVATIONS OF FOOTINGS SHALL FIRST BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER AND THE DEPARTMENT OF BUILDING AND SAFETY PRIOR TO PLACEMENT OF THE REINFORCEMENT STEEL AND CONCRETE.
6. ALL SOIL TO BE IMPORTED FOR FILL SHALL BE APPROVED AT THE BORROW SITE BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORT.
7. STRUCTURAL BACKFILL SHALL CONFORM TO THE REQUIRMENTS OF THE GEOTECHNICAL REPORT.
8. NO BACKFILL SHALL BE PLACED BEHIND RETAINING WALLS PRIOR TO THE CONCRETE REACHING ITS FULL DESIGN STRENGTH.
9. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL THE NECESSARY PERMITS FOR ALL TRENCHES AND EXCAVATIONS FIVE FEET OR MORE IN DEPTH, FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, PRIOR TO ISSUANCE OF A BUILDING OR GRADING PERMIT BY THE CITY OF LOS ANGELES, DEPARTMENT OF BUILDING AND SAFETY.
10. OVER EXCAVATE AND RECOMPACT SOILS AS REQUIRED PER THE SOILS INFORMATION AND COMPLETE REQUIREMENTS, REFER TO SOILS REPORT.
11. NO FILL SHALL BE PLACED UNTIL THE GEOTECHNICAL ENGINEER AND BUILDING AND SAFETY GRADING INSPECTOR HAVE INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
12. FROM THE TIME THAT GEOTECHNICAL APPROVES THE FOOTING EXCAVATIONS TO THE TIME THAT THE CONCRETE IS PLACED, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE FOOTINGS PROPERLY MOIST AND FREE OF LOOSE SOIL AND DEBRIS.

CONCRETE NOTES

- 1. CONCRETE SHALL CONFORM TO EXPOSURE CLASS W1 PER THE REQUIREMENTS OF CHAPTER 19 OF ACI 318-14.
2. UNLESS NOTED OTHERWISE, STRUCTURAL CONCRETE SHALL BE HARD ROCK - 145 LBS/ CU. FT.
3. SUBMITTALS OF MIX DESIGN SHALL BE AS PER THE BUILDING CODE AND SHALL BE PREPARED BY A CALIFORNIA REGISTERED CIVIL OR STRUCTURAL ENGINEER, AND BE PROVIDED BY AN APPROVED LABORATORY.
4. CONTINUOUS INSPECTION OF CONCRETE BY A DEPUTY INSPECTOR IS REQUIRED FOR CONCRETE STRENGTHS OVER 2,500 PSI, TO BE PROVIDED BY THE CITY.
5. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE 2020 EDITION OF THE LOS ANGELES CITY BUILDING CODE AND THE LATEST EDITION OF ACI.
6. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, INSERTS, ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING CONCRETE.
7. NOTIFY THE CITY ENGINEER 48 HOURS PRIOR TO ALL POURS.
8. ALL EXISTING CONCRETE SURFACES IN CONTACT WITH NEW CONCRETE AND ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED TO 1/4" AMPLITUDE MINIMUM.
9. ALL FOUNDATIONS AND PILES SHALL BE POURED AGAINST UNDISTURBED NATURAL SOIL, OR COMPACTED FILL.
10. ALL EXPOSED EDGES AND CORNERS SHALL BE CHAMFERED 3/4", OR RADIUSED TO 1/2" R..
11. THE CONTRACTOR SHALL COORDINATE FOR CONTINUOUS INSPECTION FOR ANCHOR BOLTS OR HEADED STUDS EMBEDDED IN CONCRETE PRIOR TO AND DURING THE PLACEMENT OF CONCRETE TO BE PROVIDED BY THE CITY.
12. NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS STRENGTH OF 4,000 PSI. CONTRACTOR TO SUBMIT MIX DESIGN FOR APPROVAL TO THE CITY ENGINEER, PRIOR TO PLACEMENT.

DEPUTY INPSECTION - CITY OF LOS ANGELES

- 1. THIS SECTION APPLIES TO STRUCTURAL PORTION OF THE WORK REQUIRING SPECIAL INSPECTION IN ACCORDANCE WITH LABC SECTION 1704 & 1707.
2. CONTINUOUS INSPECTION REFERS TO ON-SITE INSPECTION ON A CONTINUOUS BASIS OBSERVING ALL WORK REQUIRING SPECIAL INSPECTION.
3. PERIODIC INSPECTION REFERS TO INTERMITTENT INSPECTION ON A PERIODIC BASIS, SATISFYING THE REQUIREMENTS OF CONTINUOUS INSPECTION AND PERFORMED AS OUTLINED ON THE PROJECT CONSTRUCTION DOCUMENTS, AND APPROVED BY THE BUILDING OFFICIAL.
4. SPECIAL INSPECTION IS NOT REQUIRED WHEN THE WORK IS DONE ON THE PREMISES OF A CITY OF LOS ANGELES APPROVED FABRICATION SHOP APPROVED TO PERFORM THE WORK.
5. SPECIAL INSPECTION SHALL BE PERFORMED BY A DEPUTY INSPECTOR REGISTERED IN THE CITY OF LOS ANGELES FOR THE PORTIONS OF THE WORK REQUIRING INSPECTION.
6. THE EMPLOYMENT AND DUTIES OF THE DEPUTY INSPECTOR SHALL BE IN CONFORMANCE WITH THE LABC AND COLA INFORMATION BULLETIN P/BC 2020-34.
7. THE SPECIAL INSPECTOR SHALL FURNISH DEPUTY INSPECTION REPORTS (LADBS IN FORM 07) TO THE DEPARTMENT OF BUILDING AND SAFETY, THE CONTRACTOR, THE OWNER'S REPRESENTATIVE, AND THE ENGINEER OF RECORD.
8. AT THE TIME OF COMPLETION OF THE PROJECT, THE STRUCTURAL OBSERVER OF RECORD SHALL COMPLETE A CERTIFICATE OF COMPLIANCE INDICATING THAT THE DEPUTY INSPECTORS WERE RESPONSIBLE TO THEM.
9. AT THE COMPLETION OF THE STRUCTURAL WORK, THE SPECIAL INSPECTORS SHALL SUBMIT A FINAL SIGNED REPORT STATING THAT ALL WORK WAS PERFORMED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE LABC.
10. CONTINUOUS INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED FOR ALL CONCRETE DESIGNED WITH fc GREATER THAN 2500 PSI.
11. CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN "STATEMENT OF SPECIAL INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SEC 1706.1.
12. SEE TABLE ON SAME PAGE FOR ITEMS REQUIRING SPECIAL INSPECTION.

Table with 3 columns: WORK REQUIRING SPECIAL INSPECTION AND STRUCTURAL OBSERVATION, SPECIAL * INSPECTION (CONT., PERIODIC), and checkmarks indicating inspection requirements for CONCRETE and REINFORCING STEEL.

* FOR QUALIFICATION OF SPECIAL INSPECTOR, REFERENCE SPECIFICATIONS.

DESIGN DATA

- MATERIAL DATA: FOOTINGS.....fc=4,000 psi
LOAD DATA: SCULPTURE + FRAME WEIGHT 2,100 Lbs (Approx.)
WIND DATA: 1. BASIC WIND SPEED95 MPH
SEISMIC DESIGN DATA: 1. SEISMIC IMPORTANCE FACTOR1.0
SOIL DESIGN PARAMETERS: 1. ALLOWABLE VERTICAL BEARING PRESSURE.....1,500 PSF

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)

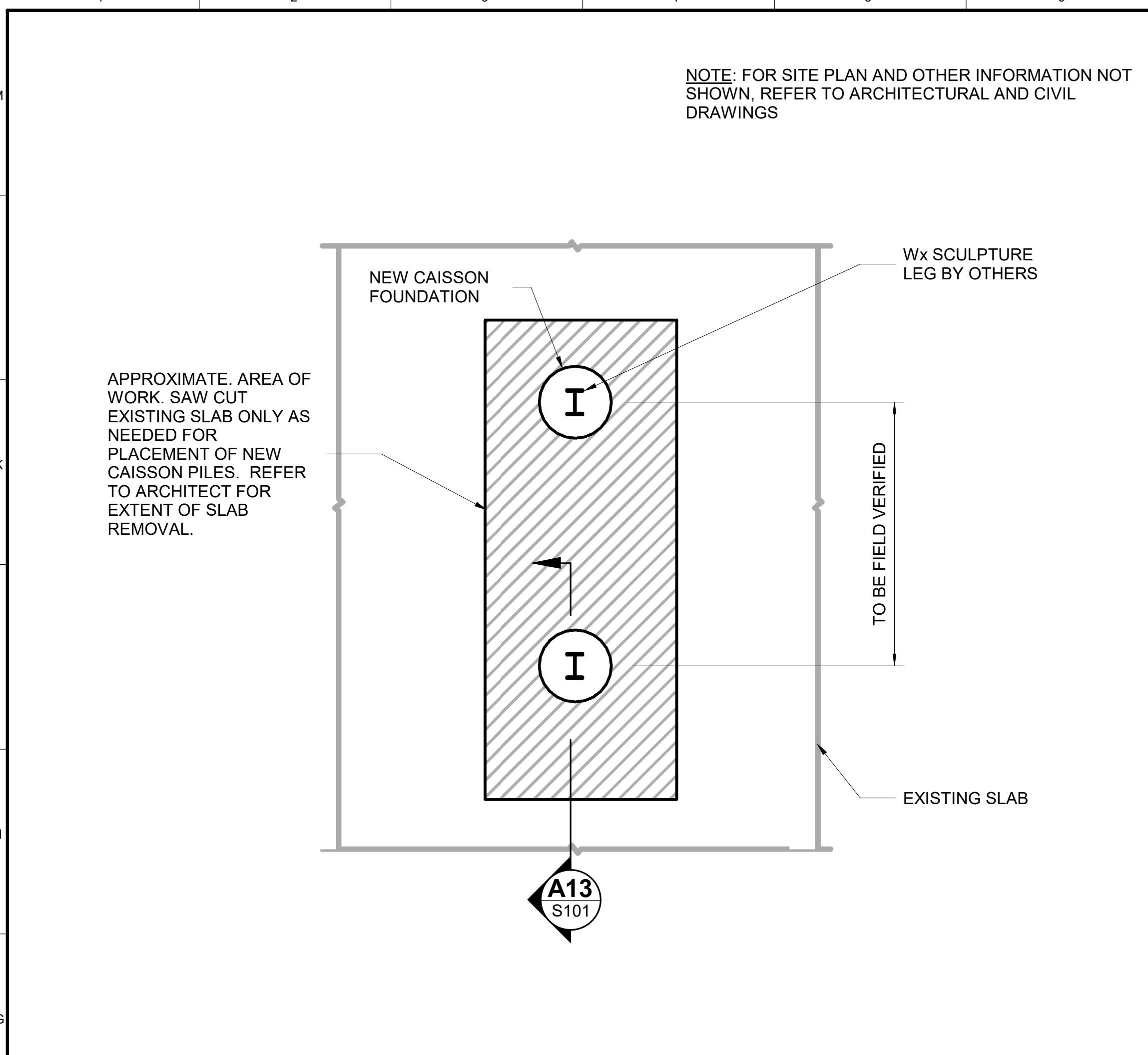
Vertical sidebar containing logos for ENGINEERING, BUREAU OF ENGINEERING, CITY OF LOS ANGELES, DEPARTMENT OF PUBLIC WORKS, and project details including CLIENT, SHEET TITLE, PROJECT, ADDRESS, and WORK ORDER NO.

WORK ORDER NO. E1908931
PLAN FILE NO.
DRAWING NO. S001
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.

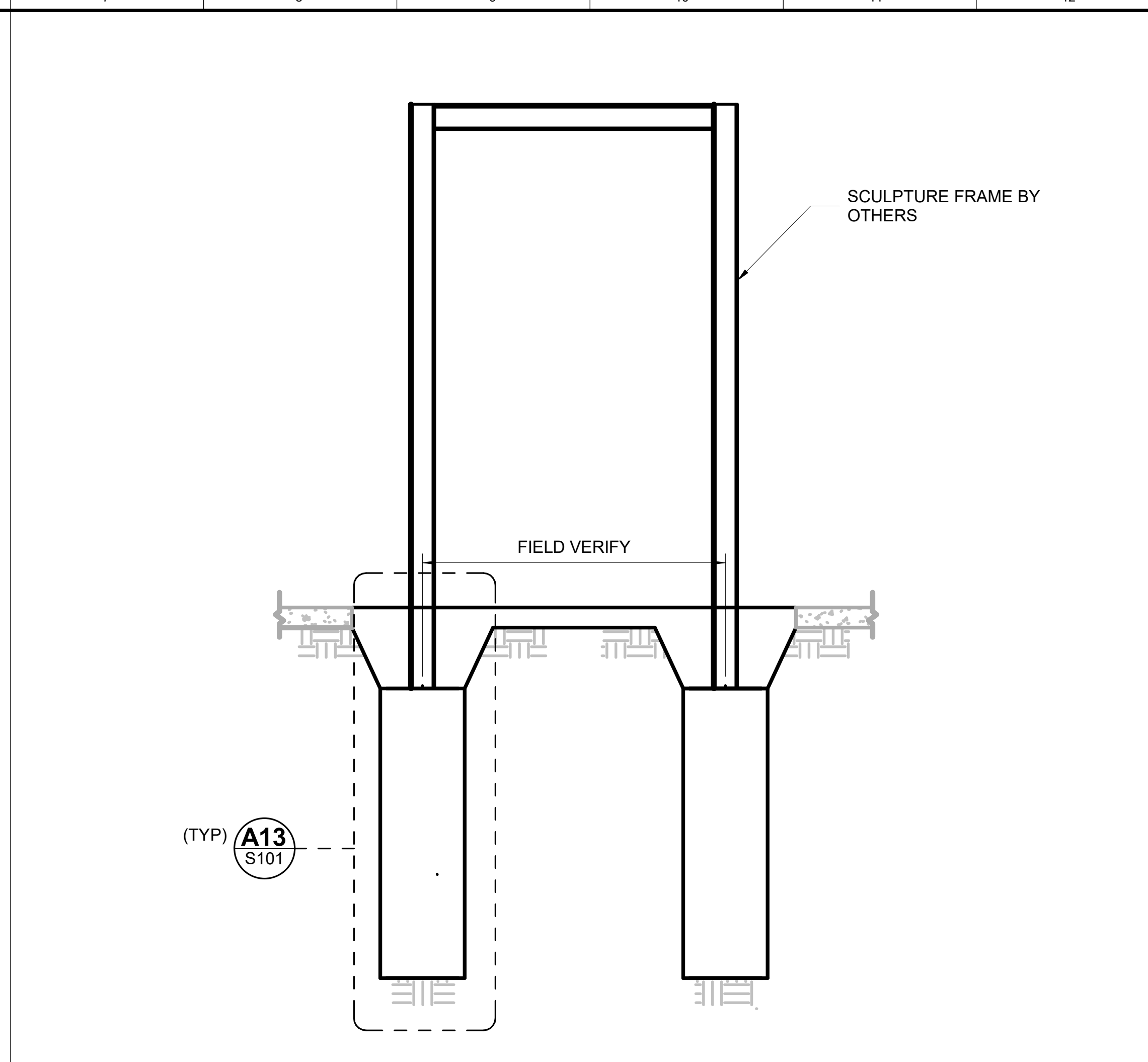
TTLB TEMPLATE REVISION DATE: 4/2016

REVISION DATES (DESIGN STAGE ONLY)



G1 FOUNDATION PLAN

NOT TO SCALE



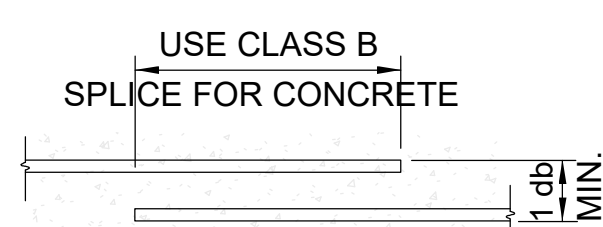
G7 FOUNDATION ELEVATION

NOT TO SCALE

		REINFORCEMENT LAP SPLICE IN INCHES								
BAR SIZE	f'c PSI	3		4		5		6		
		GR	GR	GR	GR	GR	GR	GR	GR	
CLASS A	2000	20	28	24	36	44	56	80	88	TOP BARS
		16	24	20	28	36	44	60	68	BOTTOM BARS
	3000	16	24	20	32	36	44	64	72	TOP BARS
		12	20	16	24	28	36	48	56	BOTTOM BARS
	4000	16	20	20	28	32	40	56	64	TOP BARS
		12	16	16	20	24	32	44	48	BOTTOM BARS
CLASS B	5000	12	20	16	24	28	36	52	56	TOP BARS
		12	16	12	20	24	28	40	44	BOTTOM BARS
	6000	12	16	16	24	28	32	48	52	TOP BARS
		12	12	12	16	20	24	36	40	BOTTOM BARS
	2000	24	36	32	48	60	72	100	116	TOP BARS
		20	28	24	36	44	56	80	88	BOTTOM BARS
CLASS B	3000	20	28	28	40	48	56	84	96	TOP BARS
		16	24	20	32	36	44	64	72	BOTTOM BARS
	4000	20	28	24	36	44	52	72	84	TOP BARS
		16	20	20	28	32	40	56	64	BOTTOM BARS
	5000	16	24	20	32	36	44	64	72	TOP BARS
		12	20	16	24	28	36	52	56	BOTTOM BARS
6000	16	20	20	28	36	40	60	68	TOP BARS	
	12	16	16	24	28	32	48	52	BOTTOM BARS	

NORMAL WEIGHT CONCRETE

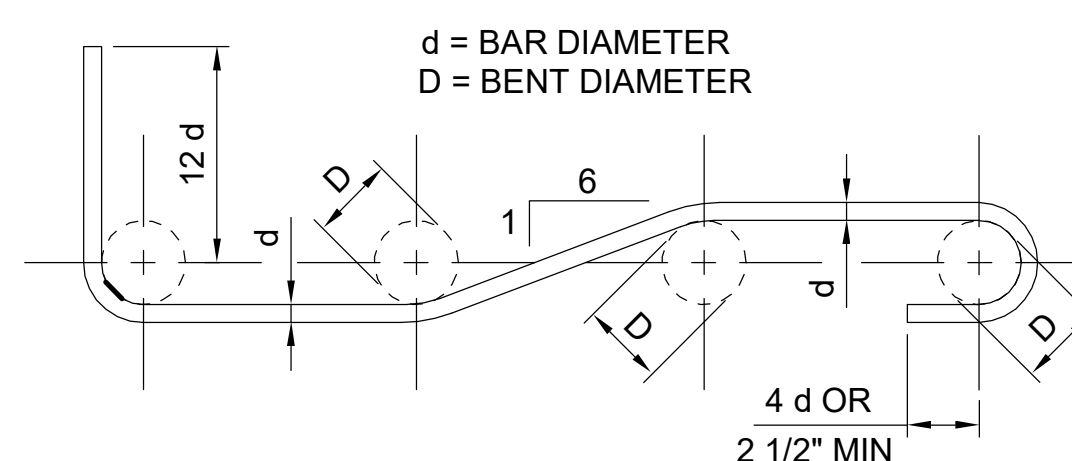
- NOTES:
1. TOP BAR IS A HORIZONTAL BAR WHERE THE DEPTH OF THE CONCRETE CAST IN ONE LIFT BENEATH THE BAR EXCEEDS 12 INCHES. ALL OTHER BARS SHALL BE CONSIDERED BOTTOM BARS.
 2. VERTICAL WALL REINFORCING SHALL BE SPLICED AS TOP BARS.
 3. HORIZONTAL WALL REINFORCING SHALL BE SPLICED AS BOTTOM BARS, BUT NOT LESS THAN 30 BAR DIAMETER.
 4. IF CONCRETE COVER IS LESS THAN ONE BAR DIAMETER AND / OR IF CENTER TO CENTER SPACING IS LESS THAN THREE BAR DIAMETERS, THEN INCREASE THE LAP SPLICE LENGTHS IN THE TABLE BY 50%.



- NOTES:
1. ALL BENDS SHALL BE MADE COLD.
 2. #14 & #18 BARS SHALL BE BEND-TESTED AT LAB AND APPROVED PRIOR TO BENDING.
 3. FOR SIZE AND SPACING OF ALL TIES AND STIRRUPS, REFER TO SCHEDULE AND/OR DETAILS, TYP.

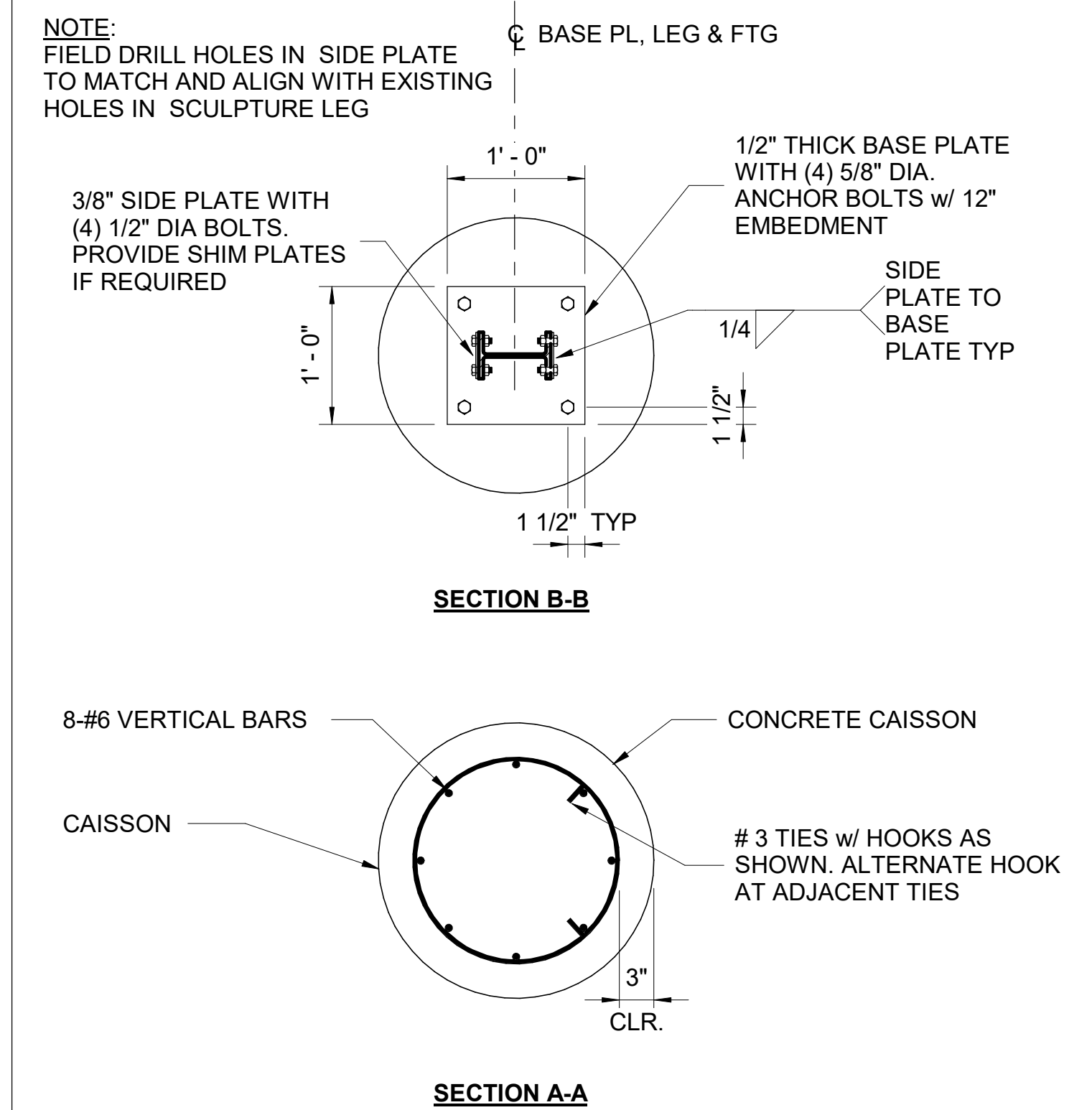
- D = 4 db FOR #3 - #5
- D = 6 db FOR #6 - #8
- D = 8 db FOR #9 - #11

		BAR DIAMETER DISTANCES IN INCHES								
		BAR SIZE								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
3db	1-1/8	1-1/2	1-7/8	2-1/4	2-5/8	3	3-3/8	3-3/4	4-1/8	
4db	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	
6db	2-1/4	3	3-3/4	4-1/2	5-1/4	6	6-3/4	7-1/2	8-1/4	
8db	3	4	5	6	7	8	9	10	11	
12db	4-1/2	6	7-1/2	9	10-1/2	12	13-1/2	15	16-1/2	



A9 TYPICAL REBAR BENDS

NOT TO SCALE



A13 CAISSON FOOTING DETAIL

NOT TO SCALE

G1/ S101

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO. _____

REVISION DESCRIPTION

DATE _____

BY _____

INDEX NO. _____

BUILDING NO. _____

CLIENT: _____

ENGINEER: MANAN BHALLA, S.E. LIC. NO. S-8573

DESIGNED BY: MANAN BHALLA, S.E., JORGE ARREOLA

DRAWN BY: JORGE ARREOLA

CHECKED BY: MELVIN AGAGAS, S.E., SHRISH MISTRY, S.E.

APPROVED BY: SHAILESH 'SUNNY' PATEL, S.E.

GENERAL: _____

DESIGN GROUP: _____

DATE: 3/9/2022

CITY ENGINEER: _____

SHEET TITLE: PLAN, ELEVATION, AND DETAILS

PROJECT: WINGS OF THE CITY

ADDRESS: 2850 W OBSERVATORY RD
LOS ANGELES, CA 90027

WORK ORDER NO. E1908931

PLAN FILE NO. _____

DRAWING NO. **S101**

SHEET OF SHEETS

PLOTTED 3/9/2022 3:16:34 PM

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.

ELECTRICAL SPECIFICATIONS

- G. GENERAL ELECTRICAL NOTES**
- G.1 THE GENERAL CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO THE BID DATE IN ORDER TO VERIFY ALL EXISTING CONDITIONS TO BE ENCOUNTERED DURING THE INSTALLATION OF ALL NEW EQUIPMENT, FIXTURES DEVICES, FEEDERS, ETC. THE EXACT INSTALLATION METHOD AND REQUIREMENTS SHALL BE VERIFIED AND DETERMINED PRIOR TO THE BID DATE. THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY ENGINEER OF ANY REQUIRED MODIFICATIONS OR DISCREPANCIES WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE SUBMITTAL OF A BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED.
 - G.2 INCLUDE ALL NECESSARY DEMOLITION AS PART OF THE WORK. ALL REMOVED EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
 - G.3 THE GENERAL CONTRACTOR SHALL PAY FOR ALL NECESSARY ELECTRICAL PERMITS AND SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL LOCAL AND NATIONAL GOVERNING CODES.
 - G.4 ALL EQUIPMENT ELECTRICAL CHARACTERISTICS, LOCATIONS, AND CONNECTION REQUIREMENTS SHALL BE VERIFIED PRIOR TO ANY ROUGH-IN WORK.
 - G.5 THESE DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE INTENT OF EQUIPMENT, DEVICES, ETC... TO BE CONNECTED AND THE CIRCUITS TO WHICH THEY ARE TO BE CONNECTED TO. THE GENERAL CONTRACTOR SHALL INSTALL ALL CONDUIT, J-BOXES, ETC... AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
 - G.6 THE GENERAL CONTRACTOR SHALL FURNISH TO THE CITY ENGINEER, SHOP DRAWINGS FOR REVIEW: PRIOR TO ORDERING, PRODUCT DELIVERY AND INSTALLATION.
 - G.7 PROVIDE THE CITY ENGINEER WITH ONE SET OF ELECTRICAL "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE JOB. SHOW THE EXACT LOCATION OF ALL CONDUIT, EQUIPMENT, AND MOUNTING DIMENSIONS ON THE DRAWINGS.
 - G.8 THE COMPLETE ELECTRICAL INSTALLATION SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF (1) YEAR UPON ACCEPTANCE BY THE CITY ENGINEER.

- M. GENERAL ELECTRICAL MATERIALS**
- M.1 ELECTRICAL EQUIPMENT SHALL BE LISTED OR CERTIFIED BY A CITY OF LOS ANGELES RECOGNIZED ELECTRICAL TESTING LABORATORY, OR APPROVED BY LADBS.
 - M.2 ALL ELECTRICAL ITEMS SHALL BE NEW, AND BEAR A "UL" LABEL - UNLESS OTHERWISE NOTED.
 - M.3 ALL NEW WIRING SHALL BE COPPER TYPE "THHN/THWN-2" @90 DEG. C - UNLESS OTHERWISE NOTED.
 - M.4 ALL TERMINAL CONNECTIONS FOR CONDUCTORS GREATER THAN #1 AWG SHALL BE 90 DEG. C.
 - M.5 ALL EXPOSED OVERHEAD AERIAL POWER CABLES SHALL BE XLP, AND RATED FOR 600V @90 DEG. C
 - M.6 ALL WIRING IN RESTROOM(S), KITCHEN(S), OUTDOORS, AND/OR WET LOCATIONS SHALL BE THWN-2.
 - M.7 ALL FUSE HOLDERS SHALL BE REJECTION TYPE.

- P. POWER AND LIGHTING DISTRIBUTION SYSTEM**
- P.1 THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE N.E.C. ART. 250, AND APPROVED BY LADBS.
 - P.2 ALL CONDUITS AND JUNCTION BOXES SHALL BE LOCATED IN CONCEALED SPACES. SURFACE MOUNTED CONDUITS AND BOXES ARE ONLY PERMITTED WHEN PREVIOUSLY DIRECTED BY THE CITY ENGINEER.
 - P.3 INSTALL LOCK-ON DEVICES ON CIRCUIT BREAKER HANDLES FOR ALL EXIT SIGN, FIRE ALARM, SECURITY ALARM, SECURITY NIGHT LIGHT, AND EMERGENCY LIGHTING CIRCUITS.
 - P.4 ALL BRANCH CIRCUITS SHALL HAVE A SEPARATE NEUTRAL FOR EACH CIRCUIT.

- C. CONDUIT**
- C.1 MINIMUM 3/4" LIQUID TIGHT FLEXIBLE METAL CONDUIT (LTFMC) SHALL BE USED FOR CONNECTIONS TO VIBRATING EQUIPMENT, TRANSFORMERS, AND AREAS EXPOSED TO THE WEATHER OR DAMP LOCATIONS. A SEPARATE INSULATED, STRANDED, COPPER, EQUIPMENT GROUND CONDUCTOR, SHALL BE PROVIDED WHEN USING LTFMC FOR TRANSFORMERS, AND AREAS EXPOSED TO THE WEATHER OR DAMP LOCATIONS.
 - C.2 MINIMUM 1" GALVANIZED RIGID STEEL CONDUIT SHALL BE USED OUTDOORS - UNLESS OTHERWISE NOTED. IF SCHEDULE 40 PVC IS APPROVED FOR USE BELOW GRADE: THE TRANSITION FROM SCHEDULE 40 PVC BELOW GRADE TO GALVANIZED RIGID CONDUIT ABOVE GRADE, SHALL OCCUR BELOW THE GRADE. AT A MINIMUM, THE LAST TWO LINEAR FEET OF THE CONDUIT SHALL BE GALVANIZED RIGID STEEL CONDUIT, BEFORE TRANSITIONING FROM BELOW GRADE TO ABOVE GRADE.
 - C.3 SCHEDULE 40 PVC ENCASED IN 100-E-100 CLSM SLURRY IS PERMITTED TO BE USED OUTDOORS FOR UNDERGROUND CONDUIT RUNS, ONLY IF PERMITTED IN THE ELECTRICAL PLANS. THE UNDERGROUND CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES BELOW THE GRADE, OR AS REQUIRED BY THE NEC. IN METHANE ZONES AND METHANE BUFFER ZONES, INSTALLATIONS SHALL ALSO COMPLY WITH ALL LADBS REQUIREMENTS.

- L. LIGHTING (COMPLIANT WITH IES RECOMMENDED LEVELS)**
- L.1 ALL LIGHTING FIXTURES SHALL BE MOUNTED AND SEISMICALLY SUPPORTED IN ACCORDANCE WITH OSHA STANDARDS, AND ALL NATIONAL AND LOCAL ELECTRICAL CODES.
 - L.2 ALL EXTERIOR LIGHTS SHALL BE CONTROLLED BY AN ASTRONOMICAL TIME CLOCK, OR PHOTOCONTROL, IN ACCORDANCE WITH TITLE 24 SECTION 150.0(K)38, UNLESS OTHERWISE NOTED.

- S. LIGHTING AND LIGHTING CONTROL SYSTEM SUBSTITUTIONS**
- S.1 ALL LIGHTING FIXTURES ARE AS SPECIFIED.
 - S.2 ALL LIGHTING CONTROL(S) ARE AS SPECIFIED, OR APPROVED EQUAL, FOR LIGHTING CONTROL(S) SUBSTITUTIONS. THE BURDEN OF PROOF AND COST SHALL BE PLACED ON THE CONTRACTOR FOR COMPATIBILITY WITH THE DESIGNED LIGHTING FIXTURES. ALL OUTDOOR LIGHTING CONTROLS SHALL BE TITLE 24 COMPLIANT, AND SUBJECT TO LADBS FINAL APPROVAL, UNLESS OTHERWISE NOTED.
 - S.3 A PHOTOMETRIC STUDY OF NON-EMERGENCY LIGHTING SHALL BE SUBMITTED TO THE BUREAU OF ENGINEERING FOR REVIEW AND APPROVAL, BY A LICENSED ELECTRICAL ENGINEER, PRIOR TO LADBS ELECTRICAL PLAN CHECK. THE NON-EMERGENCY LIGHTING DESIGN SHALL COMPLY WITH THE MOST RECENTLY ADOPTED ILLUMINATING ENGINEERING SOCIETY (IES) RECOMMENDED LEVELS. NON-EMERGENCY PHOTOMETRICS SHALL BE CLEARLY INDICATED ON THE PHOTOMETRIC STUDY.
 - S.4 MODIFICATIONS TO THE LIGHTING DESIGN SHALL INCLUDE UPDATED PHOTOMETRIC STUDIES FOR NON-EMERGENCY LIGHTING.

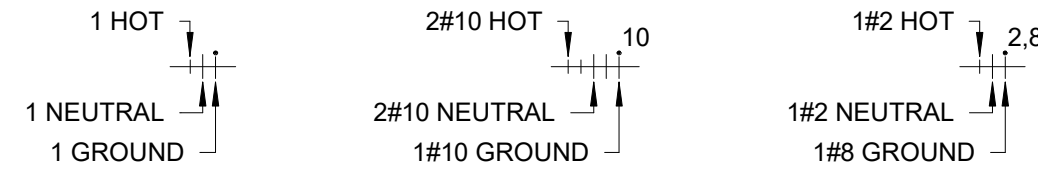
ELECTRICAL LIGHTING FIXTURE SUBSTITUTIONS

1. ALL LIGHTING FIXTURES ARE AS SPECIFIED, OR APPROVED EQUAL. SUBSTITUTIONS SHALL CONSUME LESS WATTAGE THAN WHAT IS DESIGNED, AND SHALL HAVE AN IMPROVED PERFORMANCE BASED ON A PHOTOMETRIC STUDY BY THE CONTRACTOR. FOR LIGHTING FIXTURE SUBSTITUTIONS, THE BURDEN AND COST SHALL BE PLACED ON THE CONTRACTOR FOR:
 - A. COMPATIBILITY WITH THE DESIGNED LIGHTING CONTROL AND POWER SYSTEM.
 - B. NORMAL LIGHTING PHOTOMETRICS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER OF RECORD, FOR THAT SPACE (SITE), TO INCLUDE ALL OTHER LIGHTING FIXTURES IN THAT SPACE (SITE).
 - C. IF THE LIGHTING FIXTURE IS ALSO AN EMERGENCY LIGHTING FIXTURE, THEN EMERGENCY LIGHTING PHOTOMETRICS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER OF RECORD, FOR ALL EMERGENCY LIGHTS IN THE SCOPE OF WORK.
 - D. PHOTOMETRIC RESULTS SHALL BE COMPARED TO THE MOST CURRENT IES RECOMMENDED LEVELS. SHALL BE TITLE 24 COMPLIANT, AND SUBJECT TO LADBS FINAL APPROVAL.
 - E. ALL LIGHTING FIXTURE SUBSTITUTIONS SHALL MEET OR EXCEED THE ENERGY AND PERFORMANCE (COLOR TEMPERATURE, LED LUMINOUS EFFICACY, CRI, LUMEN OUTPUT, VOLTAGE, WATTAGE, UL RATINGS, ETC...) OF THE SPECIFIED LIGHTING FIXTURES.

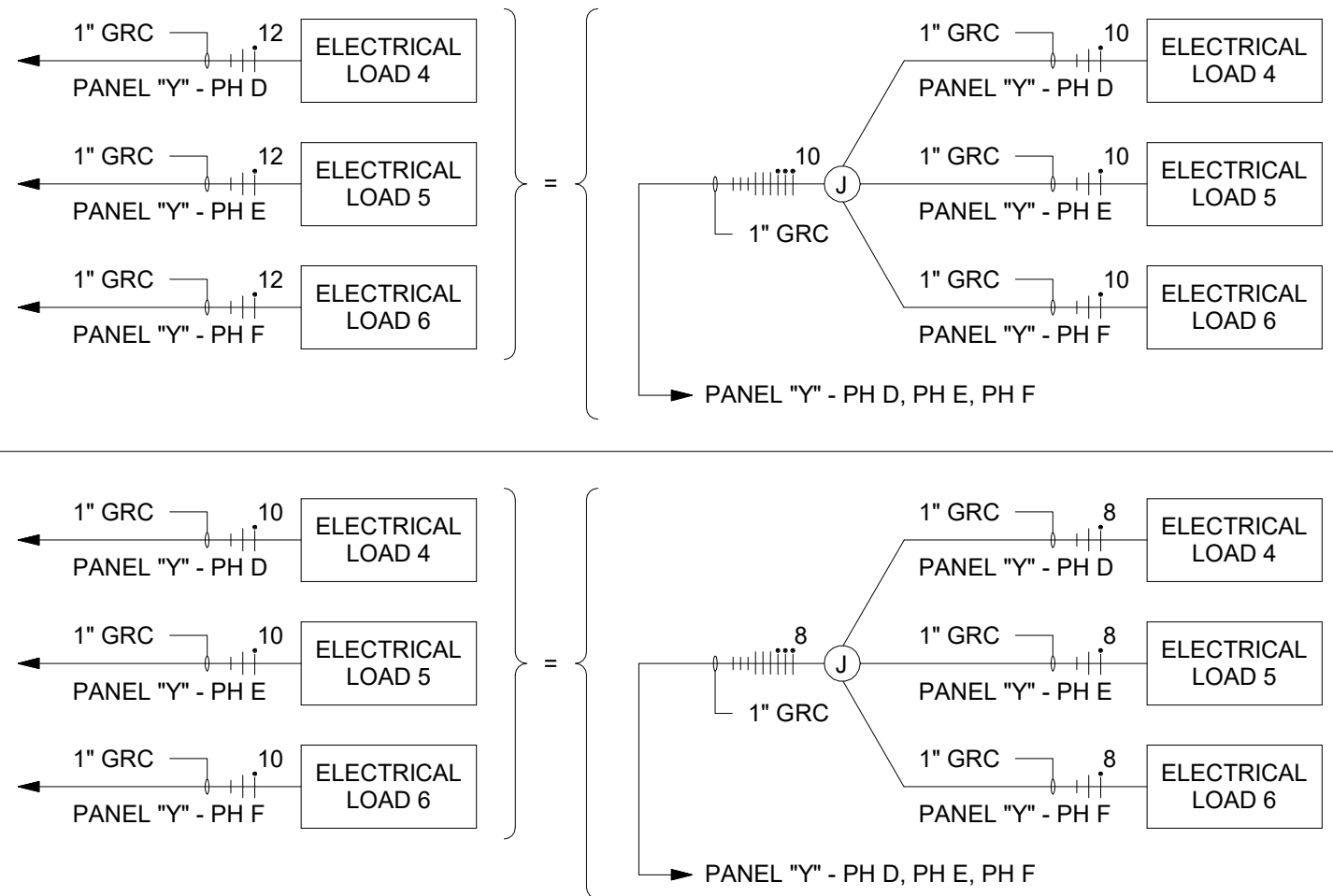
GENERAL ELECTRICAL SYMBOLS LIST

- EMERGENCY EXIT SIGN BY SURE-LITES WITH GREEN LETTERS. TYPE LPX7 FOR INDOORS, TYPE LPWX7 FOR OUTDOORS, OR APPROVED EQUAL. SHADED REGION INDICATES DISPLAY SIDE AND ARROWS INDICATE PATH TO EXIT. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.
- JUNCTION BOX, SIZED BY THE GENERAL CONTRACTOR ACCORDING TO THE ELECTRICAL CODE.
- STANDARD 20A, 120V, GROUNDING TYPE, RECESSED MOUNTED, DUPLEX RECEPTACLE MOUNTED AT +18" ABOVE THE FINISHED FLOOR TO THE CENTER, UNLESS OTHERWISE NOTED. INSTALL A LOCKABLE, NEMA 3R, HEAVY DUTY, WHILE IN USE METAL COVER BY HUBBLE TAYMAC, FOR ALL OUTDOOR INSTALLATIONS. GFCI RECEPTACLES SHALL BE INSTALLED AS REQUIRED BY THE ELECTRICAL CODE.
- NEMA 3R (FUSED) DISCONNECT SWITCH.
- SURFACE MOUNTED ELECTRICAL PANEL
- RECESSED MOUNTED ELECTRICAL PANEL
- (E) NEXT TO EQUIPMENT, INDICATES TO REMAIN.
- (R) NEXT TO EQUIPMENT, INDICATES TO BE REMOVED.
- E- EXISTING CONDUIT AND WIRES TO REMAIN.
- (RL) NEXT TO EQUIPMENT, INDICATES TO BE RELOCATED.
- (RLD) NEXT TO EQUIPMENT, INDICATES RELOCATED.
- CONDUCTORS AND 3/4" MINIMUM ELECTRIC METALLIC TUBE FOR INDOORS, CONDUCTORS AND 1" MINIMUM GALVANIZED RIGID CONDUIT FOR OUTDOORS, OR AS OTHERWISE NOTED ON THE ELECTRICAL PLANS. CONDUIT AND WIRES ARE CONCEALED IN A WALL, CEILING SPACE, OR BELOW GRADE. UNLESS OTHERWISE NOTED ON THE ELECTRICAL PLANS.
- CONDUCTORS AND CONDUIT HOMERUN.
- LIGHT FIXTURE TYPE TAG. LIGHT FIXTURE TYPE "W" IS A NORMAL LIGHTING FIXTURE. LIGHT FIXTURE TYPE "WE" IS A TYPE "W" LIGHTING FIXTURE, BUT WITH AN EMERGENCY BATTERY PACK. LIGHT FIXTURE TYPE "WE" CAN BE A COMBINATION NORMAL/EMERGENCY LIGHTING FIXTURE OR A DEDICATED EMERGENCY EGRESS ONLY LIGHTING FIXTURE. EMERGENCY LIGHTING FIXTURES SHALL BE PROVIDED WITH ONE CONSTANT HOT, AND ONE SWITCHED HOT. UNLESS OTHERWISE NOTED.
- ELECTRICAL KEYNOTE LEGEND NOTE #Y

ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG COPPER THHN/THWN-2, UNLESS OTHERWISE NOTED. ALL CIRCUITS SHALL HAVE A DEDICATED NEUTRAL WIRE AND AN EQUIPMENT GROUNDING CONDUCTOR. SEE THE ELECTRICAL PANEL SCHEDULE FOR WIRE SIZES AND QUANTITIES.



ELECTRICAL DERATING DIAGRAMS (GRC)



NOTE: THESE DERATING DIAGRAMS ARE FOR COMBINING 4 TO 6 CURRENT CARRYING CONDUCTORS INTO A SINGLE CONDUIT. THIS TABLE IS PERMITTED FOR USE ONLY FOR SINGLE PHASE POWER AND LIGHTING CIRCUITS.

THHN AND THWN-2 MAXIMUM CONDUIT FILL

	AWG	EMT			FMC			LMFC			GRC		
		0.75"	1.00"	1.50"	0.75"	1.00"	1.50"	0.75"	1.00"	1.50"	1.00"	1.50"	2.00"
THHN	12	16	26	61	16	24	56	16	26	59	26	62	102
THWN-2	10	10	16	38	10	15	35	10	16	37	17	39	64
	8	6	9	22	6	9	20	6	9	21	9	22	37
	6	4	7	16	4	6	14	4	7	15	7	16	27

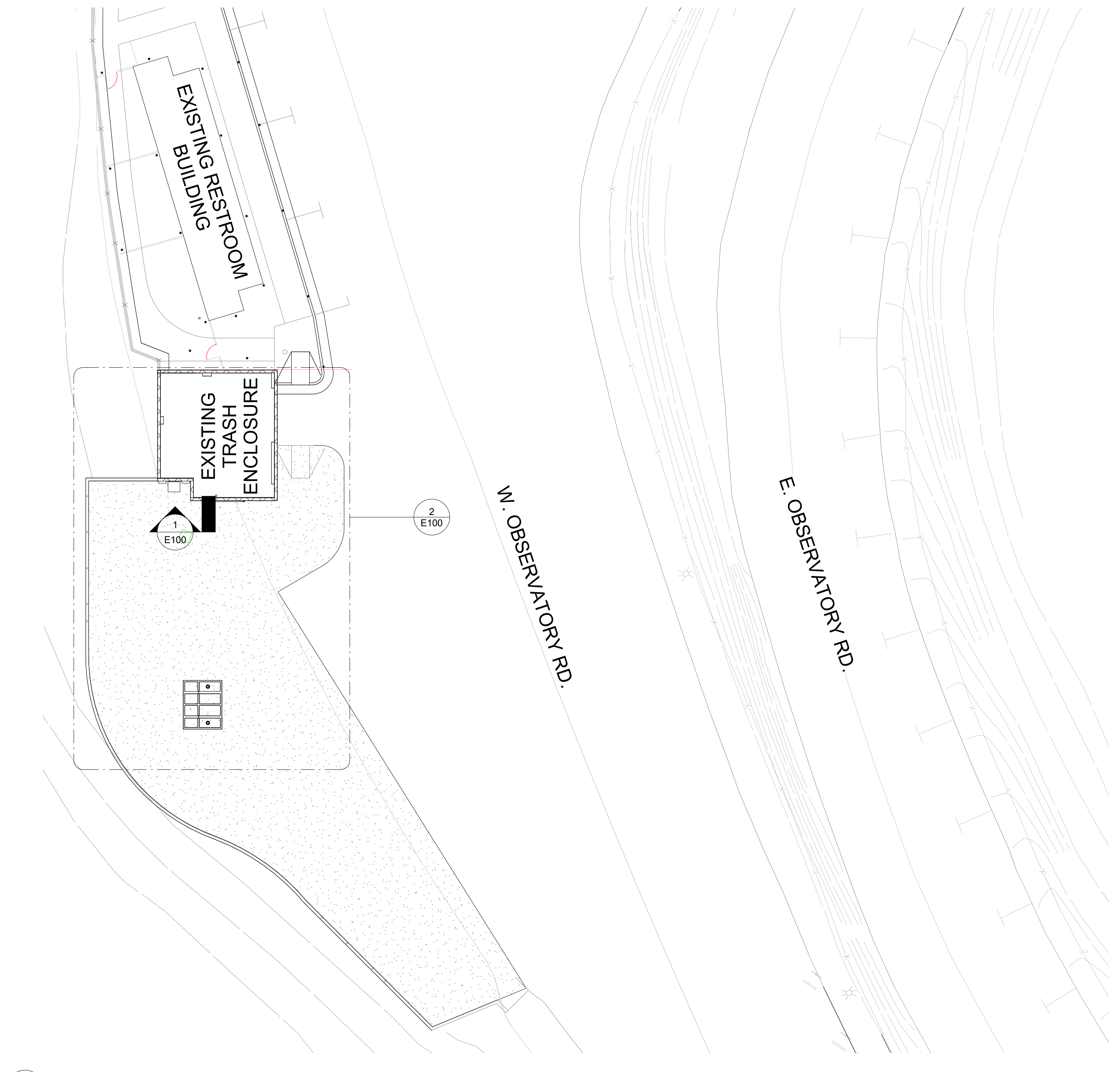
NOTE: THIS TABLE IS BASED OFF THE 2017 NATIONAL ELECTRICAL CODE, AND IS INCLUDED FOR CONVENIENCE ONLY. THE MOST CURRENT NATIONAL ELECTRICAL CODE REQUIREMENTS SHALL HOLD PRECEDENCE.

ELECTRICAL SCOPE OF WORK

1. INSTALL ADA COMPLIANT, TRAFFIC RATED, IN GRADE, OUTDOOR RATED LIGHTS FOR A NEW OUTDOOR SCULPTURE.
2. PROVIDE UNDERGROUND POWER TO THE NEW LIGHTS FROM AN EXISTING ELECTRICAL PANEL; TO INCLUDE ALL WIRES, CONDUIT, BREAKER(S), JUNCTION BOXES, AND PULL BOXES AS REQUIRED BY CODE AND LADBS.
3. OUTDOOR LIGHTS SHALL BE CONTROLLED BY AN ASTRONOMICAL TIME CLOCK. OUTDOOR LIGHTS SHALL BE PROGRAMMED TO TURN ON AT SUNSET AND TURN OFF AT 10 PM.

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOGUE NUMBER	QTY	LAMP	UNIT WATTS	NOTES
SL	UP-LIGHT	IN GRADE	HUBBLE	LTV83-SS-NF-12L-3K-UV-SR-RCA83	2	LED	9 W	KIM LIGHTING: LIGHTVAULT LTV83, DIMMABLE, ORDER REBAR CAGE ANCHOR (RCA83)

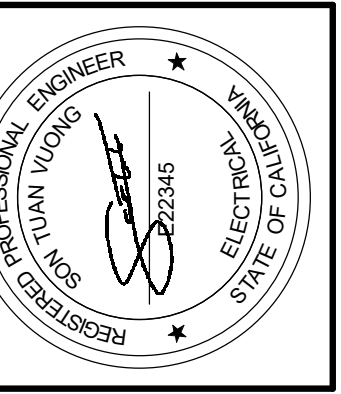


1 EXISTING PARTIAL SITE PLAN
 E001 1/16" = 1'-0"

ENGINEERING



CITY OF LOS ANGELES



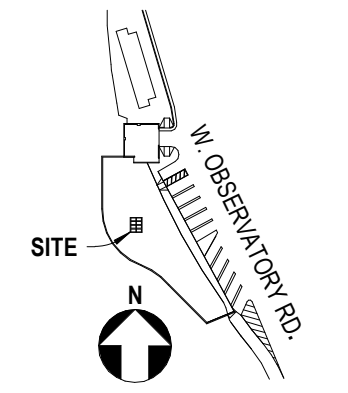
VERTICAL CONTROL: _____ BY _____ DATE _____
 HORIZONTAL CONTROL: _____
 SHEET TITLE: GENERAL NOTES
 PROJECT: WINGS OF THE CITY SCULPTURE INSTALLATION
 ADDRESS: 2850 W OBSERVATORY RD
 LOS ANGELES 90027

INDEX NO. _____
 CIP NO. G1184

CITY ENGINEER: GARY LEE MOORE, P.E., ENV/SP
 DESIGN GROUP: SON TUAN VUONG
 ARCHITECT: ERK VILLANUEVA
 DESIGNED BY: SON TUAN VUONG
 DRAWN BY: SON TUAN VUONG
 CHECKED BY: SON TUAN VUONG
 APPROVED BY: STEVEN FIERCE, AIA PRINCIPAL ARCHITECT

WORK ORDER
 E1908931

SHEET NAME
E001
 SHEET 9 OF SHEETS



PANEL: H2A

LOCATION: PANEL "2LH2" VOLTS: 480/277 WYE A.I.C. RATING (MIN): 18,000 A
 SUPPLY FROM: PANEL "2LH2" PHASES: 3 BUS RATING: 250 A
 MOUNTING: SURFACE WIRES: 4 MAINS RATING: 100 A
 ENCLOSURE: NEMA 3R MAINS TYPE: MLO

NOTE: ALL BUSSING SHALL BE COPPER. ENTIRE PANEL SHALL BE FULLY RATED TO THE MINIMUM A.I.C. RATING.

CONDUCTOR QUANTITY - #MIN. SIZE (H,N,G) OR (H,G)	MIN CON	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT	MIN CON	CONDUCTOR QUANTITY - #MIN. SIZE (H,N,G) OR (H,G)
		1				208						2		
		3					680			3	100 A	4		3-#3, 1-#3, 1-#8
		5										6		
		7				4429						8		
		9					4429			3	20 A	10		3-#12, 1-#12, 1-#12
		11						4429				12		
		13										14		
2-#8, 1-#8, 1-#10		15	EXISTING 25KVA XFMR "T14"	50 A	2		9600					16		
		17						9600				18		
		19										20		
		21										22		
		23										24		
		25										26		
		27										28		
		29										30		
		31										32		
		33										34		
		35										36		
		37										38		
		39										40		
		41										42		
TOTAL LOADS:						4637 VA	14709 VA	14209 VA						
TOTAL AMPS:						17 A	58 A	57 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Other	28 VA	100.00%	28 VA	TOTAL CONNECTED LOAD: 33554 VA
Power	32986 VA	100.00%	32986 VA	TOTAL ESTIMATED DEMAND: 33554 VA
RECEPTACLE	540 VA	100.00%	540 VA	TOTAL CONNECTED: 40 A
				TOTAL ESTIMATED DEMAND: 40 A

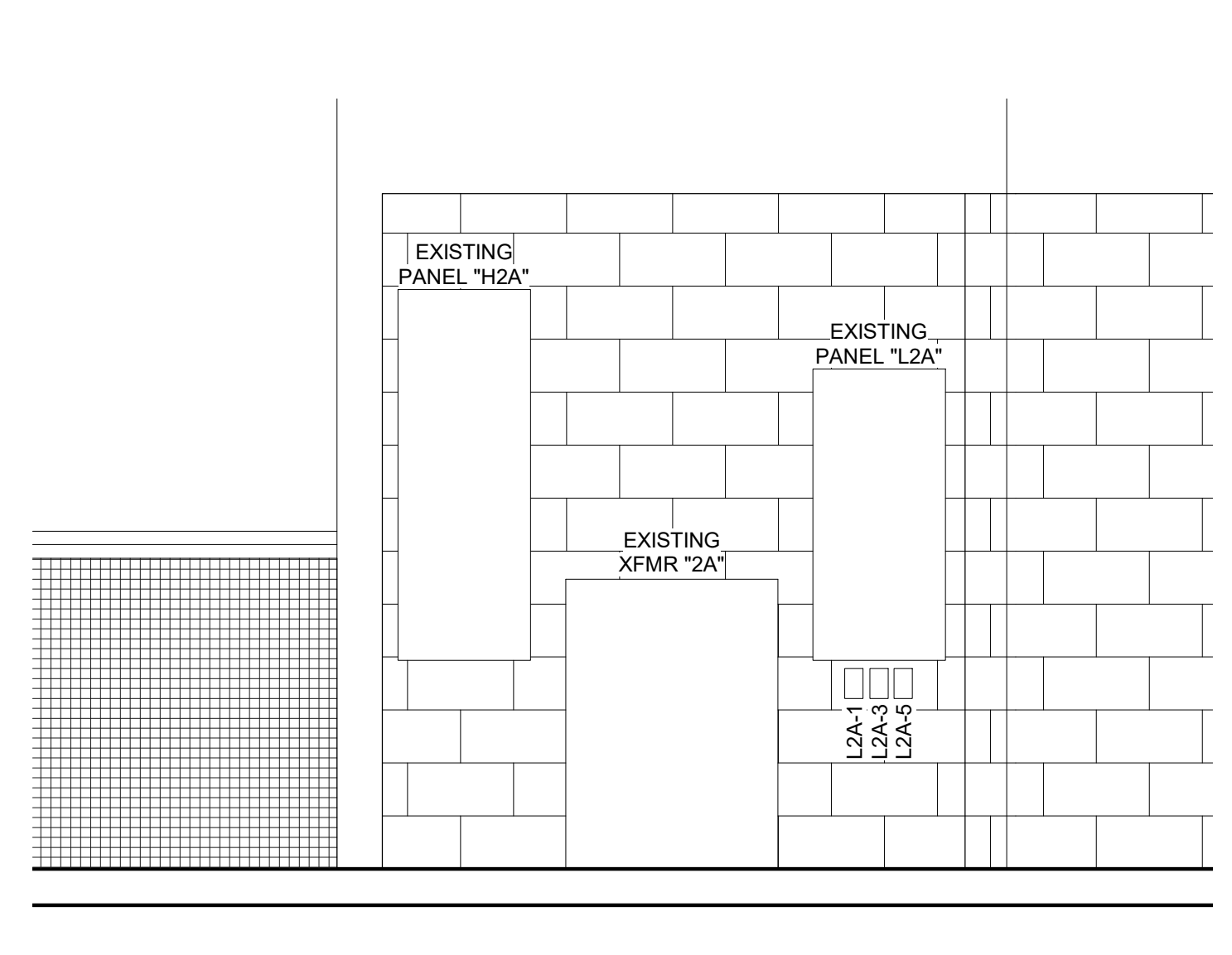
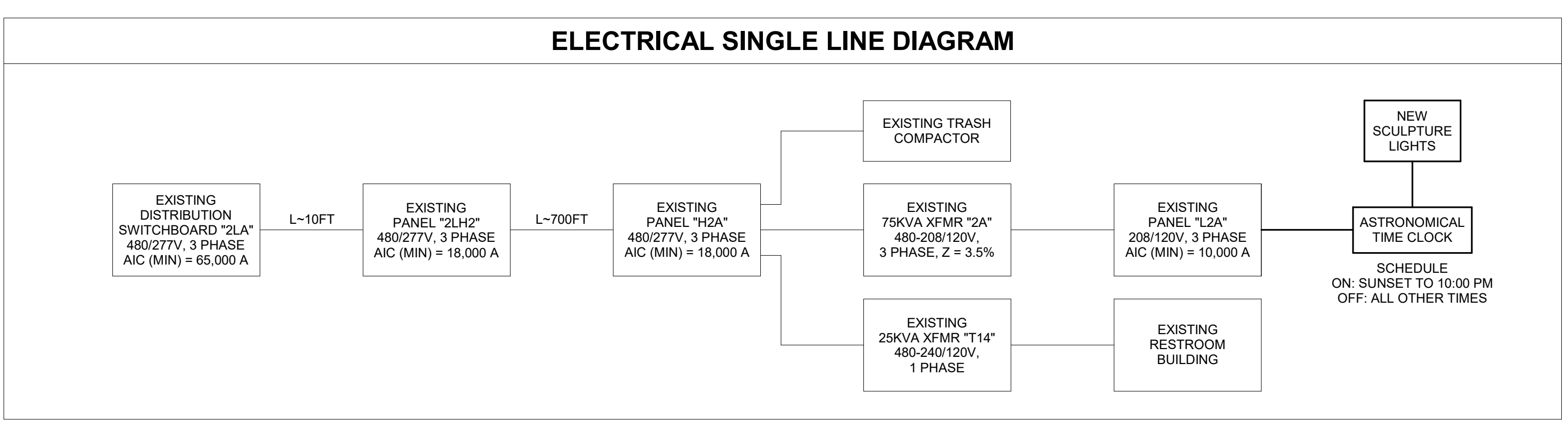
PANEL: L2A

LOCATION: VOLTS: 120/208 WYE THREE PHASE A.I.C. RATING (MIN): 10,000 A
 SUPPLY FROM: 2A PHASES: 3 BUS RATING: 225 A
 MOUNTING: SURFACE WIRES: 4 MAINS RATING: 200 A
 ENCLOSURE: NEMA 3R MAINS TYPE: BREAKER

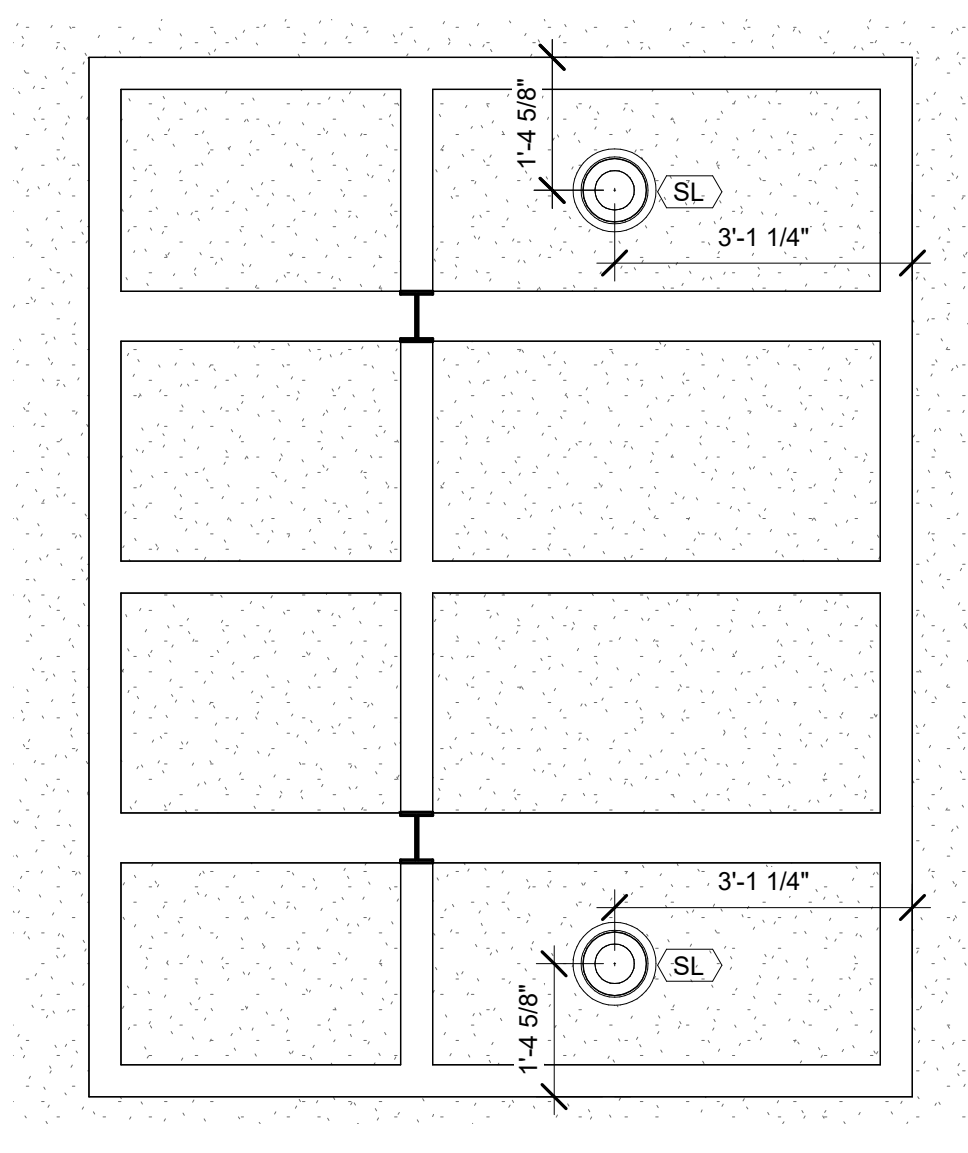
NOTE: ALL BUSSING SHALL BE COPPER. ENTIRE PANEL SHALL BE FULLY RATED TO THE MINIMUM A.I.C. RATING.

CONDUCTOR QUANTITY - #MIN. SIZE (H,N,G) OR (H,G)	MIN CON	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT	MIN CON	CONDUCTOR QUANTITY - #MIN. SIZE (H,N,G) OR (H,G)
1-#12, 1-#12, 1-#12	1"	1	EXISTING GFCI RECEPTACLE	20 A	1	180	0			1	20 A	2	--	--
1-#12, 1-#12, 1-#12	1"	3	EXISTING GFCI RECEPTACLE	20 A	1		180					4		
1-#12, 1-#12, 1-#12	1"	5	EXISTING GFCI RECEPTACLE	20 A	1			180				6		
1-#12, 1-#12, 1-#12	1"	7	SCULPTURE UP-LIGHTS	20 A	1	28						8		
1-#12, 1-#12, 1-#12	1"	9	EXISTING TRASH COMPACTOR LIGHTS	20 A	1		500					10		
		11										12		
		13										14		
		15										16		
		17										18		
		19										20		
		21										22		
		23										24		
		25										26		
		27										28		
--	--	29	SPACE	--	--					--	--	30	--	--
TOTAL LOADS:						208 VA	680 VA	180 VA						
TOTAL AMPS:						2 A	6 A	2 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Other	28 VA	100.00%	28 VA	TOTAL CONNECTED LOAD: 1068 VA
Power	500 VA	100.00%	500 VA	TOTAL ESTIMATED DEMAND: 1068 VA
RECEPTACLE	540 VA	100.00%	540 VA	TOTAL CONNECTED: 3 A
				TOTAL ESTIMATED DEMAND: 3 A

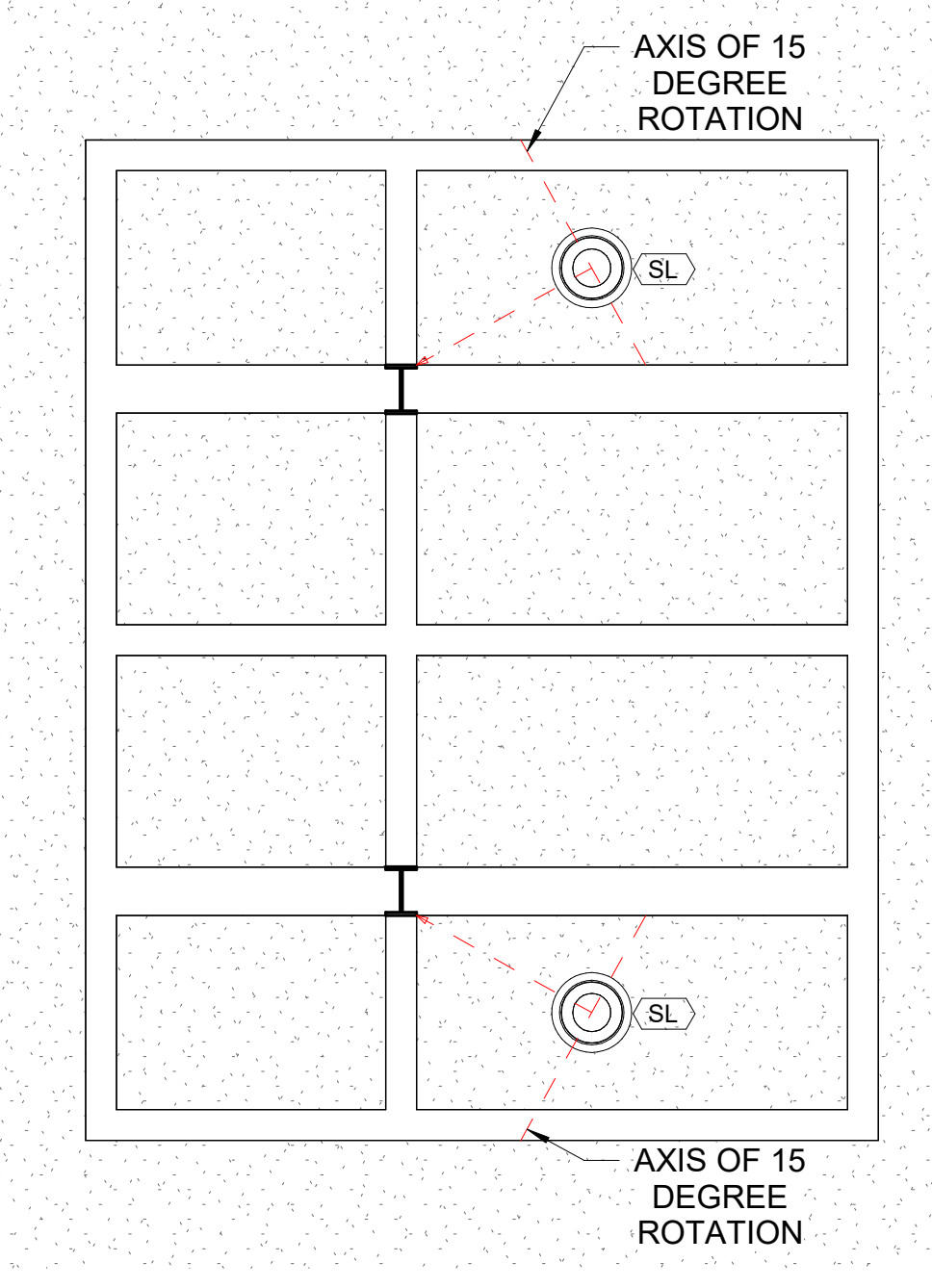


1 EXISTING ELECTRICAL EQUIPMENT
1/2" = 1'-0"

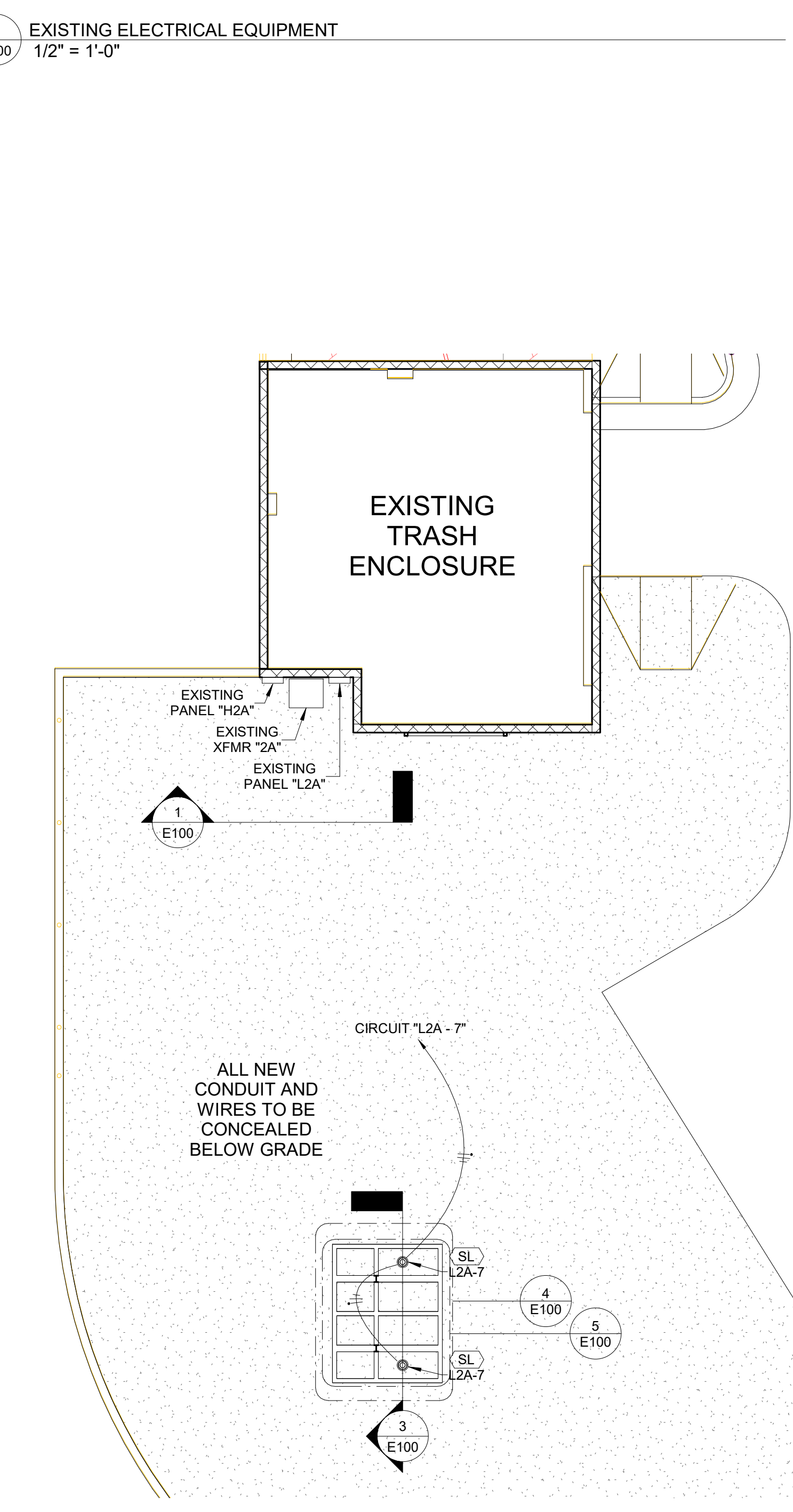


5 SCULPTURE LIGHTING DIMENSIONS
1/2" = 1'-0"

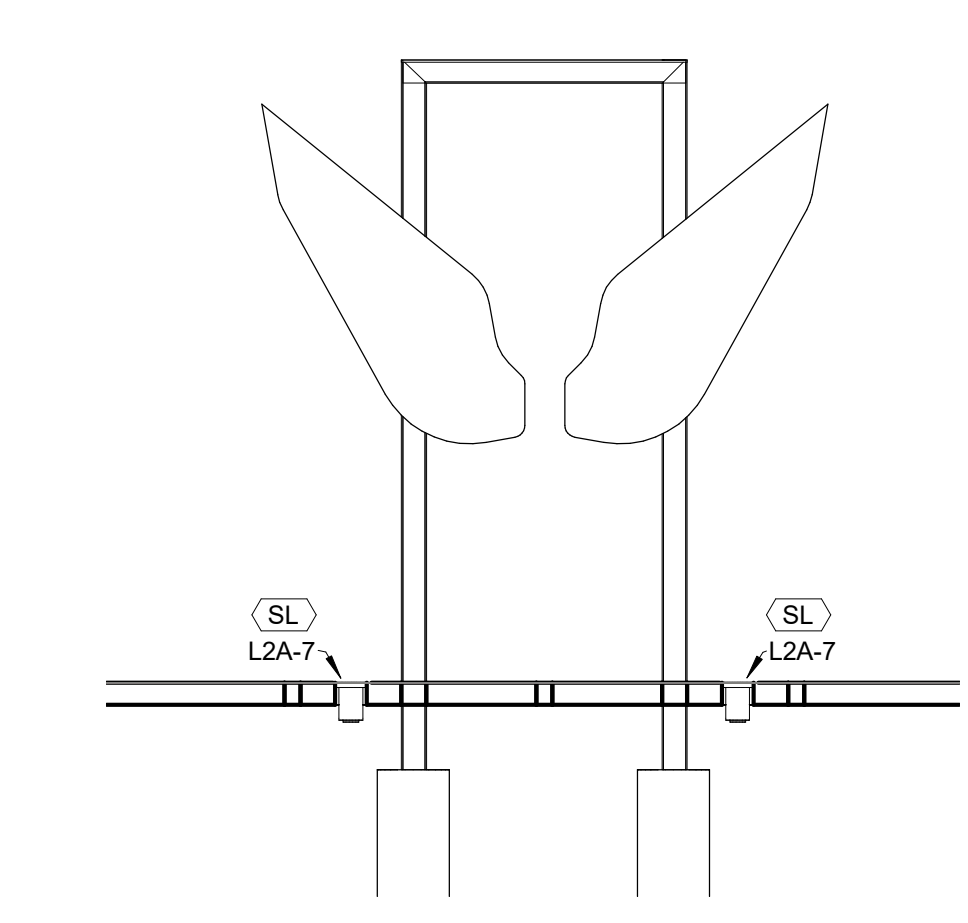
NOTE: AFTER INSTALLATION, THE LIGHT SHALL BE CAPABLE OF ROTATING UP TO 15 DEGREE TOWARDS THE STRUCTURAL POST OF THE WINGS.



4 SCULPTURE LIGHTING AXIS
1/2" = 1'-0"



2 EXISTING PARTIAL SITE POWER PLAN
1/8" = 1'-0"



3 ELECTRICAL LIGHTING ELEVATION
1/4" = 1'-0"

REVISION DATES (DESIGN STAGE ONLY)

ENGINEERING
CITY OF LOS ANGELES

PROFESSIONAL ENGINEER
SON TUAN VUONG
ELECTRICAL
STATE OF CALIFORNIA
22345

VERTICAL CONTROL: _____

HORIZONTAL CONTROL: _____

SHEET TITLE: ELECTRICAL SYSTEM

PROJECT: "WINGS OF THE CITY" SCULPTURE INSTALLATION

ADDRESS: 2850 W OBSERVATORY RD
LOS ANGELES 90027

CIP NO. G1184

INDEX NO. _____

CITY ENGINEER: GARY LEE MOORE, P. E., ENV SP

DESIGN GROUP: _____

ENGINEER: SON TUAN VUONG

ARCHITECT: ERK VILLANUEVA

DESIGNED BY: SON TUAN VUONG

DRAWN BY: SON TUAN VUONG

CHECKED BY: SON TUAN VUONG

APPROVED BY: STEVEN FIERCE, AIA PRINCIPAL ARCHITECT

WORK ORDER: E1908931

SHEET NAME: E100

SHEET 10 OF SHEETS

REVISION DATES (DESIGN STAGE ONLY) A B C D E F G H J K L

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with requirements in §140.9, §130.0, §130.2, §140.7, and §141.0(b)(2) for outdoor lighting scopes using the prescriptive path.
 Project Name: WINGS OF MEXICO Report Page: Page 1 of 6
 Project Address: 2850 W OBSERVATORY ROAD, LOS ANGELES, 90027 Date Prepared: 3/2/2022

A. GENERAL INFORMATION

01 Project Location (city) LOS ANGELES 04 Total Illuminated Hardscape Area (ft²) 93
 02 Climate Zone 9
 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)(2) for alterations.
 My project consists of:
 New Lighting System Must Comply with Allowances from §140.7
 Altered Lighting System Is your alteration increasing the connected lighting load (Watts)? Yes No
 Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.
 *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)(2) Compliance Results

01	02	03	04	05	06	07	08	09
General Hardscape Allowance §140.7(d)(1) (See Table I)	Per Application §140.7(d)(2) (See Table J)	Sales Frontage §140.7(d)(2) (See Table K)	Ornamental §140.7(d)(2) (See Table L)	Per Specific Area §140.7(d)(2) OR Existing Power §141.0(b)(2) (See Table M)	OR	Total Allowed (Watts)	Total Actual (Watts)	07 Must be ≥ 08
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> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: WINGS OF MEXICO Report Page: Page 2 of 6
 Project Address: 2850 W OBSERVATORY ROAD, LOS ANGELES, 90027 Date Prepared: 3/2/2022

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 Table F. Outdoor Lighting Fixture Schedule Permit Applicant Notes:
 SL EXCEPTION 2: LIGHTING FOR PUBLIC MONUMENTS OR STATUES
 Table H. Outdoor Lighting Controls Permit Applicant Notes:
 WING OF MEXICO SCULPTURE: EXCEPTION #1 (<40 WATTS) AND EXCEPTION #2 (PUBLIC MONUMENT/SCULPTURE)

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
 TWO OUTDOOR UPLIGHTS WILL BE INSTALLED TO ILLUMINATE AN OUTDOOR MONUMENT/SCULPTURE.

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)(2) (ie Table H 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).

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
SL	LIGHTVAULT LTV83 <input type="checkbox"/> Linear	9	Mfr. Spec ¹	2	New	<input checked="" type="checkbox"/>		Exempt*	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Total Designed Watts:									

* 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).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: WINGS OF MEXICO Report Page: Page 3 of 6
 Project Address: 2850 W OBSERVATORY ROAD, LOS ANGELES, 90027 Date Prepared: 3/2/2022

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.

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
WING OF MEXICO SCULPTURE	Astronomical Timer	Yes	Exempt *	<input type="checkbox"/> Pass <input type="checkbox"/> 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) WING OF MEXICO SCULPTURE: EXCEPTION #1 (<40 WATTS) AND EXCEPTION #2 (PUBLIC MONUMENT/SCULPTURE)				

I. LIGHTING POWER ALLOWANCE (per §140.7)
 Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: WINGS OF MEXICO Report Page: Page 4 of 6
 Project Address: 2850 W OBSERVATORY ROAD, LOS ANGELES, 90027 Date Prepared: 3/2/2022

Table Continued
 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 lose 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.

01 "Use it or lose it" Allowances (select all that apply)					
<input type="checkbox"/> General Hardscape Allowance	<input type="checkbox"/> Per Application	<input type="checkbox"/> Sales Frontage	<input type="checkbox"/> Ornamental	<input type="checkbox"/> Per Specific Area	
Table I (below)	Table J	Table K	Table L	Table M	

J. LIGHTING ALLOWANCE: PER APPLICATION
 This Section Does Not Apply

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
 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://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Pass Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LTO-01-E - Must be submitted for all buildings.	<input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: WINGS OF MEXICO Report Page: Page 5 of 6
 Project Address: 2850 W OBSERVATORY ROAD, LOS ANGELES, 90027 Date Prepared: 3/2/2022

P. 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 must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/atttcp/providers.html>

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Pass Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	<input type="checkbox"/> <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Created 01/21) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: WINGS OF MEXICO Report Page: Page 6 of 6
 Project Address: 2850 W OBSERVATORY ROAD, LOS ANGELES, 90027 Date Prepared: 3/2/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete
 Documentation Author Name: SON TUAN VUONG Documentation Author Signature: *SON TUAN VUONG*
 Company: CITY OF LOS ANGELES Signature Date: 3/2/2022
 Address: 1149 S. BROADWAY, SUITE 830 CEA/ HERS Certification Identification (if applicable):
 City/State/Zip: LOS ANGELES, CA 90015 Phone: (213) 485-4897

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: SON TUAN VUONG Responsible Designer Signature: *SON TUAN VUONG*
 Company: CITY OF LOS ANGELES Date Signed: 3/2/2022
 Address: 1149 S. BROADWAY, SUITE 830 License: E22345
 City/State/Zip: LOS ANGELES, CA 90015 Phone: (213) 485-4897

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2021

ENGINEERING
 CITY OF LOS ANGELES

THIS PLAN WAS ELECTRONICALLY SIGNED AND STAMPED

BUREAU OF ENGINEERING

VERTICAL CONTROL: HORIZONTAL CONTROL:
 SHEET TITLE: TITLE 24 (OUTDOOR LIGHTING)
 PROJECT: WINGS OF THE CITY SCULPTURE INSTALLATION
 ADDRESS: 2850 W OBSERVATORY RD LOS ANGELES 90027

CIP NO. G1184
 INDEX NO.

GARY LEE MOORE, P. E., ENV. SP
 DESIGN GROUP
 ENGINEER: SON TUAN VUONG
 ARCHITECT: ERK VILLANUEVA
 DESIGNED BY: SON TUAN VUONG
 DRAWN BY: SON TUAN VUONG
 CHECKED BY: SON TUAN VUONG
 APPROVED BY: STEVEN FIERCE, AIA PRINCIPAL ARCHITECT

WORK ORDER E1908931
 SHEET NAME E101
 SHEET 11 OF SHEETS