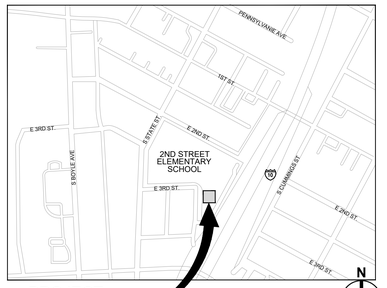
2ND STREET ELEMENTARY SCHOOL

1942 E. 2ND STREET
LOS ANGELES, CA 90033

LAUSD PROJECT # 10373372
DSA PROJECT # 03-125303

OUTDOOR LEARNING ENVIRONMENT
LOS ANGELES UNIFIED SCHOOL DISTRICT

VICINITY MAP



PROJECT SITE

PROJECT DESCRIPTION

SCOPE OF PROJECT IS GENERALLY DESCRIBED AS:

VARIOUS SITE IMPROVEMENT WORK TO INCORPORATE THE OUTDOOR LEARNING ENVIRONMENT AREAS (OLE) INTO THE PLAYGROUND AREAS OF THE 2ND STREET ELEMENTARY SCHOOL. THE NEW SCOPE OF WORK INCLUDES NEW PAVING, LANDSCAPING AND SPECIAL LEARNING AREAS.

OUTDOOR LEARNING ENVIRONMENT (±2,916 SF)

1. CLASSROOM PERFORMANCE AREAS AND LEARNING LAB AREA (PLANTER AREAS)
2. CONSTRUCTION OF (1) 720 SF SHADE STRUCTURE PER PC 04-123501
3. RELATED LANDSCAPING & IRRIGATION WORKS
4. RELATED CIVIL AND UTILITY WORKS

DSA PROJECT NUMBERS

APP#	PROJECT SCOPE	STATUS
A-602	CONSTRUCTION OF EAST BLDG	CERTIFIED (1934)
A-1140	CONSTRUCTION OF WEST BLDG	CERTIFIED (1935)
A-21150	CONSTRUCTION OF KINDERGARTEN BLDG	CERTIFIED (1961)
A-3559	CONSTRUCTION OF TWO CLSRM BLDGS	CERTIFIED (1972)
A-46500	ALTERATION TO EAST & WEST BLDGS	CERTIFIED (02/18/1998)
03-103336	RELOCATION OF CLSRM BLDG. ALTERATION TO SANITARY BLDG.	VOID (07/13/05)
03-101209	CONSTRUCTION OF LUNCH SHELTER	CERTIFIED (08/16/00)
03-111042	FIRE ALARM UPGRADE	CERTIFIED (07/10/12)
03-114113	BARRIER REMOVAL PROJECT	VOID (11/16/2015)
03-119885	ALTERATION TO 1-EAST BLDG. & SITE WORK; CONSTRUCTION OF 1-METAL RAMP/LANDING/STAIRS; RELOCATION OF TOILET BLDG.	CERTIFIED (06/21/22)

PROJECT DIRECTORY

OWNER	Los Angeles Unified School District Richard Destin, Design Manager Asset Management Branch 213.241.3376 cp-richard.destin@lausd.net
ARCHITECT	PBWS Architects Kirstyn Bonneau Partner-In-Charge 626.432.5000 x109 kirstyn@pbws.com Allison Ward Moorman Project Manager 626.432.5000 x106 allison@pbws.com
CIVIL	Mollenhauer Group Thomas Tran, P.E. Principal Engineer 818.399.3984 ttran@mollenhauergroup.com
MECHANICAL ELECTRICAL PLUMBING	Turpin & Rattan Christopher Hammett Vice President; Mechanical & Plumbing Engineer 619.466.6224 chammett@treisd.com Antonio Roque Electrical Engineer 818.249.0444 troque@treila.com Jeffrey Kraut Senior Electrical Project Manager 818.249.0444 jkraut@trelia.com
LANDSCAPE	Landshapes Cynthia Lee Principal 818.249.6900 cindy@landshapes.com
ESTIMATOR	WM2S Walid Shihayed Owner 661.367.5242 walid@wm2s.com

CODES AND STANDARDS

LIST OF 2025 CALIFORNIA CODE OF REGULATIONS (C.C.R.):

PART 1: 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.

PART 2: 2022 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH 2019 CALIFORNIA AMENDMENTS)

PART 3: 2022 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA WITH 2022 CALIFORNIA AMENDMENTS)

PART 4: 2022 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO WITH 2022 CALIFORNIA AMENDMENTS)

PART 5: 2022 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2015 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO WITH 2022 CALIFORNIA AMENDMENTS)

PART 6: 2022 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.

PART 7: CURRENTLY VACANT

PART 8: CURRENTLY VACANT

PART 9: 2022 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL WITH 2022 CALIFORNIA AMENDMENTS)

PART 10: 2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2021 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH 2022 CALIFORNIA AMENDMENTS)

PART 11: 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen CODE), TITLE 24 C.C.R.

PART 12: 2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE MARSHAL REGULATIONS

APPLICABLE STANDARDS:

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 03-125303 **File No.** 19-63 **)**

☒ The drawings or sheets listed on the cover or Index sheet T-1.0, T.2.0, T.3.0, 6.1-1000, & 6.2-2000
☐ This drawing, page of specifications/calculations Prepared by: USA Shade and Fabric Structures Inc.

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. *(Title 24, Part 1, Section 4-317 (b))*

I certify that: ☒ All drawings or sheets listed on the cover or Index sheet
☐ This drawing or page

☒ is/are in general conformance and ☐ have been coordinated	☐ is/are in general conformance and ☐ have been coordinated
Kirstyn Bonneau — 6.10.2025	
Signature — Date	Signature — Date
Architect or Engineer designated to be in responsible charge	Architect or Engineer delegated responsibility general for this portion of the work.
KIRSTYN BONNEAU	
Print Name	Print Name
C36535 — 6.30.2025	
License Number — Expiration Date	License Number — Expiration Date

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A "DSA CERTIFIED", CLASS (3), PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPERATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (c), PART 1, TITLE 24, CCR).
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS AT THE JOB SITE PRIOR TO START OF WORK. ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
8. CONTRACTOR SHALL PROTECT AREA OF WORK AND ADJACENT AREA ON SITE FROM BEING DAMAGED DURING CONSTRUCTION.
9. CONTRACTOR SHALL SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.
10. COORDINATE WORK WITH THE DISTRICT, INCLUDING SCHEDULING TIME & LOCATIONS FOR DELIVERIES, SITE ACCESS & USE OF SERVICES. MIN. DISTURBANCE TO NEIGHBORS.
11. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
12. MAINTAIN ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.
13. PATCH & REPAIR DAMAGED SURFACE (IN CONTRACT AREA & ALL DAMAGE SURFACES & IMPROVEMENTS DAMAGED DUE TO CONSTRUCTION ACTIVITY.) AS REQUIRED TO & MATCH ADJACENT (E) SURFACES, PAINT AS REQUIRED PER SPECIFICATION 09-0913.
14. CONTRACTOR SHALL VERIFY AT SITE THE EXTENT OF WORK WHICH MAY OR MAY NOT BE INDICATED BY CLOUDS OR OTHERWISE ON THE DRAWINGS.
15. CONTRACTOR SHALL INSTALL TEMPORARY PROJECT SITE SECURITY BARRICADE(S) INDICATED ON DRAWINGS OR AS REQUIRED FOR SAFETY AND AS SPECIFIED HEREIN. NEW OR USED MATERIAL MAY BE FURNISHED. SECURITY OF PROJECT SITE AND CONTENTS IS A CONTINUOUS OBLIGATION OF CONTRACTOR. UNLESS OTHERWISE INDICATED OR SPECIFIED, SECURITY FENCE SHALL BE CONSTRUCTED OF 8-FOOT HIGH CHAIN LINK FENCING WITH AN 8-FOOT HIGH WINDSCREEN.
16. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS SHALL GOVERN, IN CASE OF CONFLICT CONSULT ARCHITECT.
17. AT THE COMPLETION OF CONSTRUCTION, REPAIR ALL DAMAGE TO THE PAVED AND LANDSCAPE AREAS TO THE SATISFACTION OF THE DISTRICT OAR.
18. ALL CONSTRUCTION AS INDICATED BY (E) IS EXISTING, UNLESS NOTED AS (N), IS NEW.
19. PARTITIONS ARE DIMENSIONED TO FACE OF STUD, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR". ALLOW FOR THICKNESS OF FINISHES.
20. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS.
21. ALL SUBCONTRACTORS MUST FIELD WALK SITE DURING BIDDING PHASE TO FAMILIARIZE WITH (E) CONDITIONS. BIDDING SUBCONTRACTOR SHALL VERIFY ALL (E) CONDITIONS & DIMENSIONS DURING THE BIDDING PHASE, INCLUDING ALL UTILITIES & OTHER WORKS & FACILITIES THAT MAY AFFECTS WORK. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS ETC. SHALL BE REPORTED TO ARCHITECT BEFORE PROCEEDING WITH WORK. NO ALLOWANCE SHALL BE MADE FOR ANY EXTRA EXPENSE OR EXTENSION OF TIME DUE TO CONTRACTOR'S FAILURE OR NEGLECT OF COMPLETE EXAMINATION OF JOB SITE.
22. LOCATIONS OF UTILITIES IF INDICATED ON PLANS IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE, BUT IS PLOTTED FOR INFORMATION OF CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE EXACT LOCATIONS OF UTILITIES & THEIR SERVICE CONNECTIONS.

GENERAL NOTES (CONTINUED)

23. CONSTRUCTION DOCUMENTS ARE PROVIDED TO ILLUSTRATE DESIGN & GENERAL TYPE OF CONSTRUCTION DESIRED * IMPLIES THE FINEST QUALITY OF CONSTRUCTION MATERIALS & WORKMANSHIP. CONTRACTOR IS ASSUMING RESPONSIBILITY FOR THE WORK INDICATED & SHALL COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE DRAWN.
24. THE CONTRACTOR SHALL MAINTAIN LIABILITY INSURANCE TO PROTECT HIM/HERSELF & HOLD THE LAUSD & DISTRICT ARCHITECT HARMLESS FROM ANY & ALL CLAIMS FOR DAMAGED, FOR PERSONAL OR BODILY INJURIES OR DEATH OR PROPERTY DAMAGE DURING THE COURSE OF CONTRACT. CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THE SUPERVISION OF ALL WORK DONE BY ANY OF HIS/HER SUBCONTRACTORS. CONTRACTOR'S RESPONSIBLITY FOR SUCH SUPERVISION SHALL INCLUDE ALL ASPECTS OF THE WORK, INCLUDING & WITHOUT LIMITATION OF SPEED, QUALITY & SAFETY THEREOF. ALL SUBCONTRACTORS SHALL BE DULY LICENSED, UNLESS OTHERWISE APPROVED BY THE OWNERS (LAUSD) IN WRITING.
25. THE CONTRACTOR GUARANTEES THAT THE WORK PERFORMED WILL BE FREE FROM FAULTY MATERIALS & WORKMANSHIP. UPON RECEIPT OF NOTIFICATION FROM THE LAUSD, CONTRACTOR SHALL REMEDY, REPAIR OR REPLACE IMMEDIATELY WITHOUT COST TO LAUSD ALL DEFECTS OR IMPERFECTIONS APPEARING IN THE WORK. IT SHALL BE UNDERSTOOD. U.O.N. THAT ALL MATERIALS & WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BY CONTRACTOR FROM THE ACCEPTANCE OF THE PROJECT BY LAUSD.
26. DISTRICT OAR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD (AOR/EOR), PRIOR TO CONSTRUCTION START DATE, FOR CONSTRUCTION OBSERVATION AND SUPPORT SERVICES.
27. NO SCOPE OF ANY WORK SHALL BE ADDED OR DELETED FROM THE DSA APPROVED DOCUMENTS WITHOUT NOTIFYING ARCHITECT OR ENGINEER OF RECORD (AOR/EOR) FOR APPROVAL. IF CHANGES ARE TO BE MADE, & FIELD CHANGE DOCUMENT (FCD) SHALL BE FILED TO DSA BY THE AOR/EOR.
28. CBC 3401.2 - BUILDING AND PARTS THEREOF SHALL BE MAINTAINED IN A SAFE AND SANITARY CONDITION. DEVICES OR SAFEGUARDS WHICH ARE REQUIRED BY THIS CODE SHALL BE MAINTAINED IN CONFORMANCE WITH THE CODE EDITION UNDER WHICH INSTALLED. THE OWNER OR THE OWNERS DESIGNATED AGENT SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF BUILDING.
TO DETERMINE COMPLIANCE WITH THIS SUBSECTION, THE BUILDING OFFICIAL SHALL HAVE THE AUTHORITY TO REQUIRE A BUILDING TO BE RE-INSPECTED.
THE REQUIREMENTS OF THIS CHAPTER SHALL NOT PROVIDE THE BASIS FOR REMOVAL OR ABROGATION OF FIRE PROTECTION AND SAFETY SYSTEMS AND DEVICES IN EXISTING BUILDINGS.
29. CFC 503.1; TITLE 19 DIVISION 1 3.05 MAINTAIN FIRE ACCESS ROUTE(S). PUBLIC STREET ACCESS - PROVIDE SIGN(S) 'NO PARKING FIRE LANE WITH CALIFORNIA VEHICLE CODE 22500.1' AND DETAIL. (OR INCLUDE NOTE - EXISTING NO PARKING FIRE LANE SIGN TO BE FIELD VERIFIED BY IOR)

    CFC 506.1 - MAINTAIN/PROVIDE KEY BOXES FOR FIRE DEPARTMENT ACCESS, AS APPROPRIATE.

    CFC 703.1 & TITLE 19 DIVISION 1.1.14 - THE REQUIRED FIRE-RESISTANCE RATING OF FIRE-RESISTANCE-RATED CONSTRUCTION (INCLUDING WALLS, FIRE STOPS SHAFTS ENCLOSURES, PARTITIONS, SMOKE-BARRIERS, FLOOR-RESISTIVE COATINGS AND SPRAYED FIRE-RESISTANT MATERIALS APPLIED TO STRUCTURAL MEMBERS AND FIRE-RESISTANT JOINT SYSTEMS) SHALL BE MAINTAINED. SUCH ELEMENTS SHALL BE VISUALLY INSPECTED BY THE OWNER AND PROPERLY REPAIRED, RESTORED OR REPLACED WHEN DAMAGED, ALTERED, BREACHED OR PENETRATED. OPENINGS THROUGH FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROTECTED BY SELF-OR AUTOMATIC-CLOSING DOORS OF APPROVED CONSTRUCTION MEETING THE FIRE PROTECTION REQUIREMENTS FOR THE ASSEMBLY.

    CFC 703.2 - OPENING PROTECTIVE SHALL BE MAINTAINED IN AN OPERATIVE CONDITION IN ACCORDANCE WITH NFPA 80. FIRE DOORS AND SMOKE AND SMOKE BARRIER DOORS SHALL NOT BE BLOCKED OR OBSTRUCTED OR OTHERWISE MADE INOPERABLE. FUSIBLE LINKS SHALL BE REPLACED PROMPTLY WHENEVER FUSED OR DAMAGED. FIRE ASSEMBLIES SHALL NOT BE MODIFIED.
30. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA.
31. CONTINUOUS BATCH PLANT INSPECTION ARE WAIVED, THEREFORE THE FOLLOWING REQUIREMENTS APPLY TO ALL POURED-IN-PLACE CONCRETE. IF ANY OF THE FOLLOWING REQUIREMENTS CAN NOT BE MET, CONTINUOUS BATCH PLANT INSPECTION SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
    A. AN APPROVED AGENCY SHALL CHECK THE FIRST BATCH AT THE START OF THE DAY TO VERIFY MATERIALS AND PROPORTIONS CONFORM TO THE APPROVED MIX DESIGN.
    B. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
    C. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.

SHEET INDEX

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18	A-1.00	SITE PLAN
19	A-1.20	ENLARGED DEMOLITION SITE PLAN
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21	A-7.00	DETAILS
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22	P0.01	PLUMBING LEGEND, NOTES AND DETAILS
23	P0.02	PLUMBING DETAILS
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28	E0.03	ELECTRICAL DETAILS
29	E0.04	PARTIAL SITE PLAN - LIGHTING LEVELS
30	E0.05	TITLE 24 DOCUMENTATION
31	E1.01	SITE PLAN - ELECTRICAL
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		PRE-CHECK DOCUMENTS, USA SHADE & FABRIC STRUCTURES INC., 03-125303: PC# 04-123501
33	T-1.0	TITLE SHEET
34	T-2.0	UNIT SELECTION
35	T-3.0	T&I FORMS
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37	6.2-2000	SPECIFICATIONS

SITE CHARACTERISTICS

WIND:
RISK CATEGORY: II
EXPOSURE CATEGORY: C
WIND SPEED: 95 MPH (<115 MPH)

SEISMIC:
SITE CLASS: D - STIFF SOIL PER REF. 1613A.2.2
RISK CATEGORY: II
SOIL LOAD-BEARING DESIGN VALUE: 1,500 PSF - PRESUMPTIVE VALUE PER REFERENCE TABLE 1806.2

SS:	*2.417	(<3.00g)
S1:	*0.73	(<1.389g)
SDS:	*1.5	(<2.00)
SD1:	*1.11	(<1.39)

*VALUES PER OSHPD SEISMIC DESIGN MAP DOCUMENT

FLOOD:
FEMA FIRM PANEL NO.: 06037C1637F
EFFECTIVE DATE: 09/26/2008
ZONE DESIGNATION: X

(E) BUILDINGS' INFORMATION

OCCUPIED BUILDING AREA:

(E)	EAST BUILDING:	14,950 SF
(E)	WEST BUILDING:	16,400 SF
(E)	KINDERGARTEN BUILDING:	1,870 SF
(E)	CLASSROOM BUILDING:	3,580 SF
(E)	BB-170 BUILDING:	3,640 SF
(E)	AA-2019 BUILDING:	1,790 SF
(E)	KITCHEN BUILDING:	190 SF
(E)	J-BUILDING:	270 SF
(E)	AA-3611 BUILDING:	1,920 SF
(E)	WEST LUNCH SHELTER:	960 SF
(E)	EAST LUNCH SHELTER:	1,150 SF
(E)	BUILDING:	480 SF
		46,700 TOTAL SF

CONSTRUCTION TYPE: V-B
USES: EDUCATIONAL, BUSINESS, ASSEMBLY, STORAGE (GROUPS E, B, A3 & S OCCUPANCIES)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS
100 West Villa Street
Suite 101
Pasadena, California 91103

T: 626.432.5000
F: 626.432.5010
www.pbws.com

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
KIRSTYN L. BONNEAU
C36535
RENEWS: 6-30-27
STATE OF CALIFORNIA

DSA BACK CHECK	12/10/2025

SHEET TITLE:

SHEET INDEX, VICINITY MAP & PROJECT INFO

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JA/MM	CHECKED:	AWM

SHEET NUMBER:

T-1.00

DATE: 12/10/2025

Materials

- EARTH, UNDISTURBED OR LOOSE FILL
- EARTH, COMPACTED
- GRAVEL OR POROUS FILL
- SAND
- CONCRETE
- BRICK
- CONCRETE BLOCK
- PRECAST STONE
- STEEL
- ALUMINUM
- SHEET METALS
- METAL STUDS
- WOOD, BLOCKING OR SHIM
- WOOD FRAMING, CONTINUOUS
- WOOD, FINISHED
- PLYWOOD
- INSULATION, LOOSE FILL
- INSULATION, RIGID BOARD
- GLASS
- PLASTER WITH METAL LATH
- GYPSUM BOARD OR SHEATHING
- TILE
- ACOUSTICAL CEILING TILE

Abbreviations

A	A.C.	ASPHALTIC CONCRETE
	A.D.	AREA DRAIN
	ADJ.	ADJUSTABLE
	A.F.F.	ABOVE FINISHED FLOOR
	A.F.S.	ABOVE FINISHED SLAB
	ALUM.	ALUMINUM
	ANOD.	ANODIZED
	APPROX.	APPROXIMATE, APPROXIMATELY
	A.S.R.	AUTOMATIC SPRINKLER RISER
B	BLDG.	BUILDING
	BLKG.	BLOCKING
C	C	CHANNEL (STRUCTURAL STEEL)
	C.I.P.	CAST-IN-PLACE
	C.J.	CONSTRUCTION JOINT, CONTROL JOINT
	C.L.	CENTERLINE
	CLG.	CEILING
	CLO.	CLOSET
	CLR.	CLEAR (FINISH-TO-FINISH), COLOR
	CMU	CONCRETE MASONRY UNIT
	C.O.	CONCRETE OPENING
	CONC.	CONCRETE
	CONT.	CONTINUOUS
	CTR.	CENTER
	CUST.	CUSTODIAN
D	D	DEEP, DEPTH
	d	PENNY (NAIL)
	DBL.	DOUBLE
	DET.	DETAIL
	D.F.	DRINKING FOUNTAIN
	DIM.	DIMENSION
	DN.	DOWN
	DR.	DOOR
	D.S.	DOWNSPOUT
	D.S.P.	DRY STANDPIPE
	DWG.	DRAWING
E	(E)	EXISTING
	E	EAST
	EA.	EACH
	E.J.	EXPANSION JOINT
	EL.	ELEVATION
	ELEC.	ELECTRICAL
	ELEV.	ELEVATOR
	EQ.	EQUAL
	EXT.	EXTERIOR
F	FACP	FIRE ALARM CONTROL PANEL
	F.D.	FLOOR DRAIN
	F.D.C.	FIRE DEPARTMENT CONNECTION
	F.E.C.	FIRE EXTINGUISHER CABINET
	F.H.C.	FIRE HOSE CABINET
	FIN.	FINISH, FINISHED
	FLR.	FLOOR
	F.O.C.	FACE OF CONCRETE, FACE OF CURB
	F.O.F.	FACE OF FINISH
	F.O.M.	FACE OF MASONRY
	F.O.S.	FACE OF STUD
G	GA.	GAGE (GAUGE)
	GALV.	GALVANIZED
	GL.	GLASS, GLAZING
	GLULAM	GLUED LAMINATED TIMBER
	GYP. BD.	GYPSUM BOARD
H	H	HIGH
	HT.	HEIGHT
I	INSUL.	INSULATION
	INT.	INTERIOR
J	JAN.	JANITOR
L	L	STRUCTURAL STEEL ANGLE
	LAV.	LAVATORY
M	MACH. RM.	MACHINE ROOM
	MAINT.	MAINTENANCE
	MATL.	MATERIAL
	MAX.	MAXIMUM
	MECH.	MECHANICAL
	MFR.	MANUFACTURER
	MIN.	MINIMUM
	M.O.	MASONRY OPENING
	MTL.	METAL
N	(N)	NEW
	N	NORTH
	N/A	NOT APPLICABLE
	N.I.C.	NOT IN CONTRACT
	NO.	NUMBER
	NOM.	NOMINAL
	N.T.S.	NOT TO SCALE
O	O/	OVER
	O.C.	ON CENTER
	O.D.	OUTSIDE DIAMETER
	OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED
	O.F.D.	OVERFLOW DRAIN
	OPH	OPPOSITE HAND (MIRRORED)
	OZ(S).	OUNCE(S)
P	P.L.	PROPERTY LINE
	P.LAM.	PLASTIC LAMINATE
	PL.	PLATE
	PLAS.	PLASTER
	PREFIN.	PREFINISHED
	P.T.	PRESSURE TREATED
	PT.	PAINT
R	R	RADIUS, RISER
	R.D.	ROOF DRAIN
	REINF.	REINFORCING
	REQ'D.	REQUIRED
	RM.	ROOM
	R.O.	ROUGH OPENING
	RTG.	RATING
S	S	SOUTH
	SCHED.	SCHEDULE
	S.F.	SQUARE FEET (FOOT)
	SHT.	SHEET
	SHTG.	SHEATHING
	SIM.	SIMILAR
	S.S.	STAINLESS STEEL
	STD.	STANDARD
	STL.	STEEL
	STOR.	STORAGE
	STRUCT.	STRUCTURAL
	SUSP.	SUSPENDED
T	T	TREAD
	THK.	THICK, THICKNESS
	T.O.C.	TOP OF CONCRETE, TOP OF CURB
	T.O.M.	TOP OF MASONRY
	T.O.PL.	TOP OF PLATE
	T.O.S.	TOP OF SLAB, TOP OF STEEL
	T.S.	TUBE STEEL
	TYP.	TYPICAL
U	U.N.O.	UNLESS NOTED OTHERWISE
V	V.I.F.	VERIFY IN FIELD
W	W/	WITH
	W	WEST, WIDE
	W/O	WITHOUT
	W.C.	WATER CLOSET
	WD.	WOOD, WIDTH
	WDW.	WINDOW
	W.R.	WATER RESISTANT, WATER REPELLENT, WEATHER RESISTANT
	W.W.F.	WELDED WIRE FABRIC
X	XFMR	TRANSFORMER
Symb.	&	AND
	@	AT
	°, ∠	DEGREES
	'	FEET (FOOT)
	"	INCH(ES)
	#	NUMBER, POUND(S)
	±	PLUS OR MINUS
	Ø	DIAMETER
	℄	CENTERLINE

Symbols

- DETAIL REFERENCE (DETAIL NUMBER, TYP.; SHEET NUMBER, TYP.)
- DETAIL REFERENCE
- WALL SECTION
- EXTERIOR ELEVATION
- INTERIOR ELEVATION (ELEVATION)
- ROOM NAME/NUMBER (ROOM NAME 101)
- DOOR NUMBER (101A)
- INTERIOR WALL TYPE (123)
- KEYNOTE (01 TYP.)
- REVISION DELTA
- SPOT ELEVATION (100'-0" T.O.C.)
- NORTH ARROW (PROJECT NORTH; MAGNETIC NORTH; TRUE NORTH)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS

100 West Villa Street
Suite 101
Pasadena, California 91103

T: 626.432.5000
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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
KRISTIN L. BOWEN
No. C36335
RENEWS 6-30-27
STATE OF CALIFORNIA

DSA BACK CHECK 09/26/2025

SHEET TITLE:

LEGENDS, ABBREVIATIONS & SYMBOLS

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JA/MM	CHECKED:	AWM

SHEET NUMBER:

A-0.01

DATE: 6/13/2025

PATH OF TRAVEL STATEMENT

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ½" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" MAXIMUM AND AT LEAST 48" IN WIDTH SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

PATH OF TRAVEL NOTES

DESIGN PROFESSIONAL IN GENERAL RESPONSIBILITY CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PARTITIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTED WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON THE VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

BUILDING INFORMATION

USE:	SHADE CANOPY
OCCUPANCY TYPE:	A-3
CONSTRUCTION TYPE:	V-B
ALLOWABLE HEIGHT:	16'-0"
HEIGHT:	12'-0"
AREA:	321 SQUARE FEET
OCCUPANCY LOAD:	A-3 OCCUPANCY LOAD FACTOR = 15 NET (321 S.F.) / (15 S.F. / OCC.) = 22 OCCUPANTS

LEGEND

POT	(E) PATH OF TRAVEL A# 03-119885
POT	PATH OF TRAVEL
	ESTABLISHED 110 SF SAFE DISPERSAL AREA, 50'-0" FROM ANY OTHER BUILDING STRUCTURE, PER CBC 1028.5 TOTAL OCCUPANTS EXISTING OLE: 22 SAFE DISPERSAL AREA REQUIRED: 5 SF / OCCUPANT SAFE DISPERSAL AREA REQUIRED: 110 SF
	(E) 20' WIDE UNMARKED FIRE LANE PER A#: 03-119885

GENERAL NOTES

1. PROTECT EXISTING ITEMS TO REMAIN; ANY EXISTING ITEMS DISTURBED SHALL BE PATCHED AND REPAIRED TO MATCH ORIGINAL (N) CONDITION.

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION
School District/Owner: Los Angeles Unified School District
Project Name/School: 2nd Street Elementary School
Project Address: 1942 E. 2nd Street, Los Angeles 90033

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☐		No ☑ Not required per DSA IR 31-1, sec.6
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐		No ☑
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 1 of 4 STATE OF CALIFORNIA

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

	CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✓	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✓	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✓	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✓	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

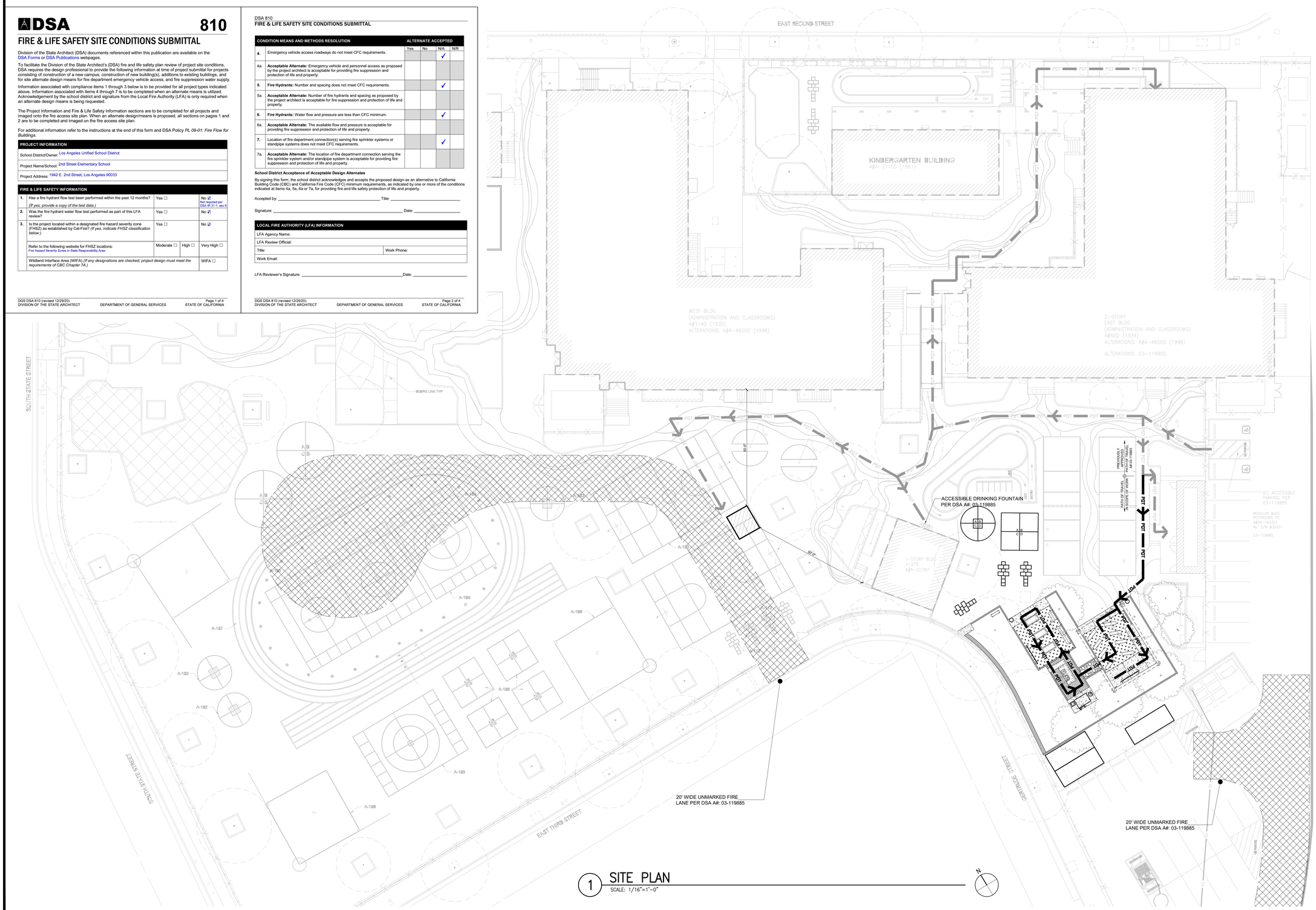
Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 2 of 4 STATE OF CALIFORNIA



1 SITE PLAN
SCALE: 1/16"=1'-0"

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03-125303

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
AUSTYN W. MORGAN
No. C-36555
RENEWS: 6-30-27
STATE OF CALIFORNIA

DSA BACK CHECK 09/26/2025

SHEET TITLE:

SITE ACCESS PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JA/MM	CHECKED:	AWM

SHEET NUMBER:

A-0.10

DATE: 6/13/2025

GENERAL NOTES:

1. TOPOGRAPHIC INFORMATION WAS OBTAINED FROM LAUSD, THE SURVEY PREPARED BY MOLLENHAUER GROUP IS DATED JULY 2023. EXISTING CONTOURS, SPOT ELEVATIONS AND OTHER EXISTING TOPOGRAPHIC FEATURES SHOWN HEREON ARE A TRUE REPRESENTATION OF SITE CONDITIONS ON THE DATE THE SURVEY WAS PREPARED.
2. THE DRAWINGS FOR THIS PROJECT ARE DIVIDED INTO SEPARATE SHEETS FOR GENERAL CONVENIENCE ONLY. THE SHEET DESIGNATIONS OR NUMBERS SHALL NOT BE CONSIDERED TO LIMIT AREAS OF WORK RESPONSIBILITY, OR TRADES. THE CONTRACTOR SHALL COORDINATE THE DRAWINGS, SPECIFICATIONS, AND PROJECT MANUAL AS REQUIRED TO COMPLETE THE PROJECT AS DESIGNED.

BENCH MARK:

PER RECORD DRAWING C-1 05/17/2017
CHIS ☐ S END WALL @ GERTRUDE ST
ELEVATION = 283.68 FT

LEGEND:

PROPERTY LINE	P OR
CENTER LINE	℄ OR
GRADE CHANGE	G.C. OR
FINISH (DESIGN) GRADE CONTOUR	70.50
PRESENT GRADE CONTOUR	(70.50)
FLOW LINE	F.L. OR
RIDGE LINE	R
NEW DRAIN LINE	SD
NEW NEW ELECTRICAL CONDUIT	E
NEW GAS LINE	G
NEW SEWER LINE	S
NEW WATER LINE	W
EXISTING FENCE TO REMAIN	x x
EXISTING FENCE TO BE REMOVED	⊗ ⊗
NEW OR RELOCATED FENCE (HEIGHT NOTED ON PLAN)	x x
EXISTING GRADE ELEVATION	(70.50)
FINISH (DESIGN) GRADE ELEVATION	70.50
TREE, EXISTING (SIZE NOTED)	X"
REMOVE TREE, EXISTING (SIZE NOTED)	X"
ACRYLONITILE-BUTADIENE-STYRENE PIPE	ABSPIPI
ASPHALTIC CONCRETE	AC
CAST IRON PIPE	CIP
CEMENT CONCRETE	CC
CHAIN LINK FENCE	CLF
CLEAN OUT	CO
CRUSHED MISCELLANEOUS BASE	CMB
DRIVEWAY	DWY
EXISTING UTILITY (D,E,G,S OR W)	(W)
EXPANSION JOINT	EJ
HIGH DENSITY POLYETHYLENE PIPE	HDPEPIPE
INVERT	INV
METAL STORAGE CONTAINER	MSC
PLANTING AREA	PA
POINT OF CONNECTION	POC
SCORE LINES	SL
TOP OF CATCH BASIN	TCB
TOP OF CURB	TC
TOP OF FLOOR DRAIN	TFD
TOP OF WALL	TW
VITRIFIED CLAY PIPE	VCP
WOOD STORAGE CONTAINER	WSC
YARD BOX(SEWER, GAS, ELECTRICAL, WATER)	YB (S, G, E, W)

CONSTRUCTION LEGEND:

- PORTLAND CONCRETE PAVEMENT PER DETAIL 1/C-5.0
- PLAYGROUND ASPHALT CONCRETE PAVEMENT PER DETAIL 2/C-5.0
- CHAINLINK FENCE
- GRADE BREAK
- SAWCUT AND JOIN
- PATH OF TRAVEL
- SS 8" — PROPOSED SEWER LINE, SIZE PER PLAN
- W 8" — PROPOSED WATER LINE, SIZE PER PLAN

GENERAL NOTES:

1. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
2. GRADE LAWN, TURF. PLANTING AND AGRICULTURAL AREA 1.5" BELOW DESIGN GRADES INDICATED.
3. TRIM TREE ROOTS AS NECESSARY TO CONSTRUCT PAVEMENT AND INSTALL HEADERS. TRIM ROOTS UNDER THE DIRECTION OF A CERTIFIED ARBORIST PROVIDED BY THE DISTRICT AROBORIST. NOTIFY DISTRICT GARDENING SUPERVISOR PRIOR TO TRIMMING OF TREES.
4. REMOVE YARD BOXES WITHIN THE GRADING LIMITS AND INSTALL NEW ONES TO MATCH DESIGN GRADES PER DETAIL 4/C-5.0
5. WHERE NEW PAVEMENT OR CURB IS TO BE CONSTRUCTED UNDER A FENCE, UNTIE AND REMOVE FENCE FABRIC TO PERMIT CONSTRUCTION. AFTER CONSTRUCTION, ADD OR CUT AND KNUCKLE FABRIC TO FIT NEW SURFACE AND RE-INSTALL. ADJUST, MODIFY OR REPLACE GATES, IF ANY, TO CLEAR NEW GRADES. CLEARANCE SHOULD NOT EXCEED 1.5" ABOVE SURFACE AT THE GATE OPENING.
6. WHERE A.C. PAVEMENT IS TO BE REMOVED ADJACENT TO A RELOCATABLE BUILDING OR STORAGE CONTAINER, CUT 6" AWAY FROM THE BUILDING MUDSILL OR CONTAINER WITH A CONCRETE CUTTING SAW BEFORE REMOVAL.
7. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS. FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA, INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
8. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
9. NO WORK, SUCH AS REPAVING, CHAIN LINK FENCING, PLUMBING, ETC., WILL BE PERFORMED WITHIN 5 FEET OF ANY BUILDING UNLESS THE BUILDING COAT HAS BEEN TESTED TO BE FREE OF ASBESTOS OR LEAD. IF WORK WILL BE PERFORMED WITHIN 5 FEET OF A BUILDING, THE BUILDING FINISH SHALL BE TESTED BY THE DISTRICT ASBESTOS TECHNICAL UNIT (ATU). IF, BEFORE A TEST IS MADE, THE CONTRACTOR DISTURBS THE BUILDING FINISH BY ACCIDENT OR OTHERWISE, WORK IN THAT AREA SHALL CEASE AND ATU SHALL BE NOTIFIED TO PERFORM A TEST. THEREOF, THE COST OF TESTING AND ANY NECESSARY CLEAN-UP WILL BE BORNE BY THE CONTRACTOR.
10. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE, CAL-OSHA, CITY, COUNTY AND STATE REQUIREMENTS, THE GOVERNING BUILDING AUTHORITY, ANY SPECIAL REQUIREMENTS OF THE BUILDING PERMIT, AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OF ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS. ALL CODES, STANDARDS, AND SPECIFICATIONS SHALL BE AS AMENDED TO DATE. IN THE EVENT OF A CONFLICT BETWEEN ANY OF THE GOVERNING CODES THE MORE CONSERVATIVE OR STRICT INTERPRETATION SHALL GOVERN. ANY VIOLATION OF THESE CODES ON THE PART OF THE CONTRACTOR WILL RESULT IN STOPPING OF ALL WORK UNTIL THE VIOLATION IS CORRECTED.
11. THE DRAWINGS AND SPECIFICATIONS DESCRIBE IN GENERAL THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE AND CONFIGURATION OF SITES, STRUCTURES AND METHOD OF INSTALLATION. MISCELLANEOUS ITEMS OF WORK, MATERIAL, EQUIPMENT, ETC., NECESSARY TO COMPLETE THE INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT MENTIONED IN THESE NOTES OR SHOWN ON THE DRAWINGS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. TYPICAL DETAILS AND GENERAL NOTES ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON PROJECT.
12. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL AND ERECT THE CONSTRUCTION AS REQUIRED TO PROPERLY COMPLETE THE WORK. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., FOR ALL MEMBERS AS REQUIRED FOR THE STABILITY OF THE SITE OR THE STRUCTURE(S) DURING ALL PHASES OF CONSTRUCTION ADEQUATELY DESIGNED FOR THE IMPOSITION OF ALL LOADS DURING CONSTRUCTION. THE DRAWINGS SHOW THE FORM OF THE COMPLETED CIVIL IMPROVEMENTS EXCLUSIVE OF ANY PROVISIONS FOR BRACING OR SHORING DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND ARCHITECT OF ANY CONDITION WHICH MIGHT ENDANGER THE STABILITY OF THE SITE OR STRUCTURE(S) OR CAUSE DISTRESS OF THE EXISTING STRUCTURE(S). THE ENGINEER AND ARCHITECT ARE NOT RESPONSIBLE FOR INSPECTION OF THE ELEMENTS DESCRIBED ABOVE, NOR WILL THE ENGINEER AND ARCHITECT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES OR SEQUENCES.
13. ANY REVISIONS OR ADDITIONAL WORK REQUIRED AS A RESULT OF FIELD CONDITIONS OR THE LOCAL GOVERNING AUTHORITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT BEFORE PROCEEDING REGARDLESS OF COST, TIME OR MATERIAL INCREASE. ANY ADDITIONAL WORK PERFORMED BY THE CONTRACTOR WITHOUT WRITTEN AUTHORIZATION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WHO SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO.
14. FIELD INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS, ELEVATIONS AND DIMENSIONS OF THE PROJECT, AS SHOWN ON OR REFERENCED ON THE DRAWINGS, AND NOTIFY THE ENGINEER AND ARCHITECT ABOUT ANY CONDITION REQUIRING MODIFICATION. THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK, AND SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND CLEARLY UNDERSTAND THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED PRIOR TO START OF WORK. ENTERING INTO AN AGREEMENT WITH THE LAUSD INDICATES THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF OR HERSELF WITH EXISTING CONDITIONS ON THE PLAN, AND REVIEWED THE REQUIREMENTS OF CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS ILLUSTRATE THE INTENT OF THE WORK TO BE PERFORMED.
15. ANY AND ALL REVISIONS TO THE CONSTRUCTION DOCUMENTS SHALL BE IN WRITTEN CHANGE ORDER FORM AND APPROVED AND AUTHORIZED BY THE ENGINEER, ARCHITECT AND LAUSD BEFORE BEGINNING WORK.
16. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES, AND SHALL PROVIDE ALL SUBCONTRACTORS WITH CURRENT CONSTRUCTION DOCUMENTS. CONSTRUCTION DOCUMENTS NOT IDENTIFIED AS "ISSUED FOR CONSTRUCTION" ON ANY OR ALL SHEETS MAY BE SUBJECT TO REVIEW. THIS REVIEW MAY RESULT IN CHANGES WHICH MAY BE MADE TO THE PLANS PRIOR TO THE ISSUANCE OF THE FINAL CONSTRUCTION SET WHICH WILL BE IDENTIFIED AS "ISSUE FOR CONSTRUCTION". CONTRACTOR SHALL CONSTRUCT THE WORK USING ONLY THE "ISSUE FOR CONSTRUCTION" DRAWINGS. WORK NOT IN FULL CONFORMANCE WITH THE "ISSUE FOR CONSTRUCTION" DRAWINGS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER AND ARCHITECT.
17. ALL WORK LISTED, SHOWN, OR IMPLIED ON ANY CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, EXCEPT WHERE NOTED OTHERWISE. THE CONTRACTOR SHALL CLOSELY COORDINATE THE WORK WITH THAT OF OTHER SUB-CONTRACTORS OR EQUIPMENT VENDORS TO ASSURE THAT ALL SCHEDULES ARE MET AND THAT ALL WORK IS DONE IN CONFORMANCE TO MANUFACTURERS' REQUIREMENTS.
18. ALL CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ANY WILL BE AS BINDING AS IF CALLED FOR BY ALL. ANY WORK SHOWN OR REFERRED TO ON ANY CONSTRUCTION DOCUMENT SHALL BE PROVIDED AS THOUGH ON ALL RELATED DOCUMENTS.
19. MATERIALS ARE SPECIFIED BY THEIR BRAND NAMES TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE. ANY REQUEST FOR SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER AND ARCHITECT FOR REVIEW AND APPROVAL AT THE TIME OF BIDDING. SUBSTITUTE MATERIALS SHALL NOT BE PURCHASED OR INSTALLED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER AND ARCHITECT.
20. IF THE CONTRACTOR PERFORMS ANY WORK OR PERMITS SUB-CONTRACTORS OR SUPPLIERS TO PERFORM THEIR WORK, KNOWING IT TO BE CONTRARY TO APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS WITHOUT PRIOR NOTICE TO THE ENGINEER, ARCHITECT AND/OR THE LAUSD, THEY SHALL ASSUME FULL RESPONSIBILITY AND SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO.
21. NOTWITHSTANDING ANY OMISSIONS, IT SHALL BE THE SOLE DUTY AND RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL CONSTRUCTION DETAILS AND FABRICATE AND INSTALL SAID DESIGN IN ACCORDANCE WITH ACCEPTED GOOD PRACTICE AND PROCEDURE.
22. ALL NON-SPECIFIED MATERIALS SHALL BE THE BEST OF THEIR RESPECTIVE TYPES, AND ALL LABOR INSTALLATION SHALL BE PERFORMED IN THE BEST POSSIBLE MANNER BY SKILLED WORKMEN.
23. THE LAYOUT OF ALL ELEMENTS OF CONSTRUCTION AS SHOWN ON THE DRAWINGS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT LOCATIONS OF ALL WORK TO SUIT BUILDING CONDITIONS. COORDINATE ALL WORK BETWEEN TRADES, PHYSICALLY ARRANGE ALL SYSTEMS TO FIT IN THE SPACES AVAILABLE AT THE ELEVATIONS REQUIRED WITH CONSIDERATION FOR PROPER CLEARANCES AND ACCESSIBILITY. FIELD RESOLVE (OR IF SPECIFIED, THROUGH THE GENERATION OF SHOP DRAWINGS) ALL CONFLICTS BETWEEN TRADES IN EQUIPMENT LOCATION, INCLUDING BUT NOT LIMITED TO PIPING, CONDUIT RUNS, FIXTURES, COMMUNICATIONS, ALARMS, STRUCTURAL AND ARCHITECTURAL FEATURES. NO ALLOWANCES OF ANY KIND WILL BE MADE FOR ANY EXTRA COSTS FROM ADDITIONAL WORK ON ACCOUNT OF THE CONTRACTOR'S TRADE COORDINATION RESPONSIBILITY.
24. ALL NEW PAVING TO BE CONSTRUCTED PER THE RUNNING SLOPES AND CROSS SLOPES AS SHOWN ON PLAN, BUT SHALL NOT EXCEEDS THE FOLLOWING DESIGN SLOPES: THE 1.5% MAXIMUM CROSS SLOPE AND 4.5% MAXIMUM RUNNING SLOPE IN THE DIRECTION OF TRAVEL. RAMPS SHALL NOT EXCEEDS THE 1.5% MAXIMUM CROSS SLOPE AND 7.5% MAXIMUM RUNNING SLOPE. CONTRACTOR TO CHECK FORMS PRIOR TO POUR AND NOTIFY THE ENGINEER IF THE CROSS AND RUNNING SLOPES EXCEEDS THE MAXIMUM.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY TO IMPLEMENT AN LAUSD-APPROVED CONTRACTOR-SUGGESTED OPTION, AND THE CONTRACTOR SHALL COORDINATE ALL DETAILS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COST OF ALL ADDITIONAL DESIGN OR REVIEW WORK BY THE ENGINEER AND ARCHITECT DUE TO THE IMPLEMENTATION OF AN OPTION, SUBSTITUTION OF MATERIALS, OR DUE TO ERRORS AND/OR OMISSIONS IN CONSTRUCTION BY THE CONTRACTOR.
26. APPROVAL BY THE INSPECTOR OF RECORD (IOR) DOES NOT MEAN APPROVAL OR ALLOWABLE FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE ENGINEER OF RECORD (EOR) FOR INTERPRETATION OR CLARIFICATION.
27. IN THE EVENT OF CONFLICT BETWEEN THESE GENERAL NOTES AND THE ARCHITECTURAL GENERAL NOTES THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
28. ALL STRUCTURAL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
29. THE CONTRACTOR SHALL TAKE ALL MEASUREMENTS AT THE BUILDING AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH ANY WORK. SHOULD ANY VARIATION BE FOUND, THE MATTER SHALL BE REFEREED TO ENGINEER FOR JUDGEMENT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER FITTING OF THE WORK IN PLACE.
30. IF, IN THE OPINION OF THE CONTRACTOR, ANY WORK IS SHOWN ON THE DRAWINGS OR DETAILS IN A MANNER AS WILL MAKE IT IMPOSSIBLE TO PRODUCE A FIRST QUALITY PIECE OF WORK, OR SHOULD DISCREPANCIES APPEAR BETWEEN THE DRAWINGS AND/OR DETAILS, THE CONTRACTOR SHALL REFER THE CONDITION TO THE ENGINEER AND ARCHITECT FOR INTERPRETATION AND DIRECTION BEFORE PROCEEDING WITH THE WORK. IF THE CONTRACTOR FAILS TO CONSULT THE ENGINEER AND ARCHITECT, NO EXCUSE WILL THEREAFTER BE ENTERTAINED FOR FAILURE TO CARRY OUT THE WORK IN A SATISFACTORY MANNER, AS DIRECTED.
31. THE CONTRACTOR SHALL KEEP AT THE SITE OF THE WORK ONE COPY OF PLANS AND SPECIFICATIONS SIGNED AND APPROVED BY THE DEPARTMENT OF STATE ARCHITECT AND SHALL AT ALL TIMES GIVE THE ENGINEER, ARCHITECT AND OTHERS APPROPRIATE PARTIES ACCESS THERETO. IN THE CASE OF ANY CONFLICT OR INCONSISTENCY BETWEEN THE PLANS, DETAILS AND SPECIFICATIONS, THE ONE REQUIRING GREATER QUANTITY OR SUPERIOR QUALITY SHALL PREVAIL, AS DECIDED IN WRITING BY THE ENGINEER. ANY DISCREPANCY BETWEEN FIGURES AND DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER, WHO'S WRITTEN DECISION THEREON SHALL BE CONCLUSIVE.
32. ALL WORK, ALL MATERIALS, WHETHER INCORPORATED IN THE WORK OR NOT, ALL PROCESSES OR MANUFACTURE, AND ALL METHODS OF CONSTRUCTION, SHALL BE AT ALL TIMES AND PLACES, SUBJECT TO INSPECTION OF THE ENGINEER WHO SHALL BE THE FINAL JUDGE OF THE QUALITY AND SUITABILITY OF THE ENGINEERING WORK. SHOULD THEY FAIL TO MEET THE ENGINEER'S APPROVAL, THEY SHALL BE FORTHWITH RECONSTRUCTED, MADE GOOD, REPLACED AND/OR CORRECTED AS THE CASE MAY BE, BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

CIVIL DRAWING INDEX:

SHEET NO.	SHEET TITLE
C-1.0	NOTES AND LEGEND
C-2.0	DEMOLITION PLAN
C-3.0	GRADING PLAN
C-4.0	UTILITY PLAN
C-5.0	DETAILS

DIGALERT 811

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SS ☑ FLS ☑ ACS ☑
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03-125303

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STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN L. PENNER — No. C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — THOMAS M. TRAN — No. 82454 — CIVIL — STATE OF CALIFORNIA

DSA BACK CHECK	12/10/2025

SHEET TITLE:

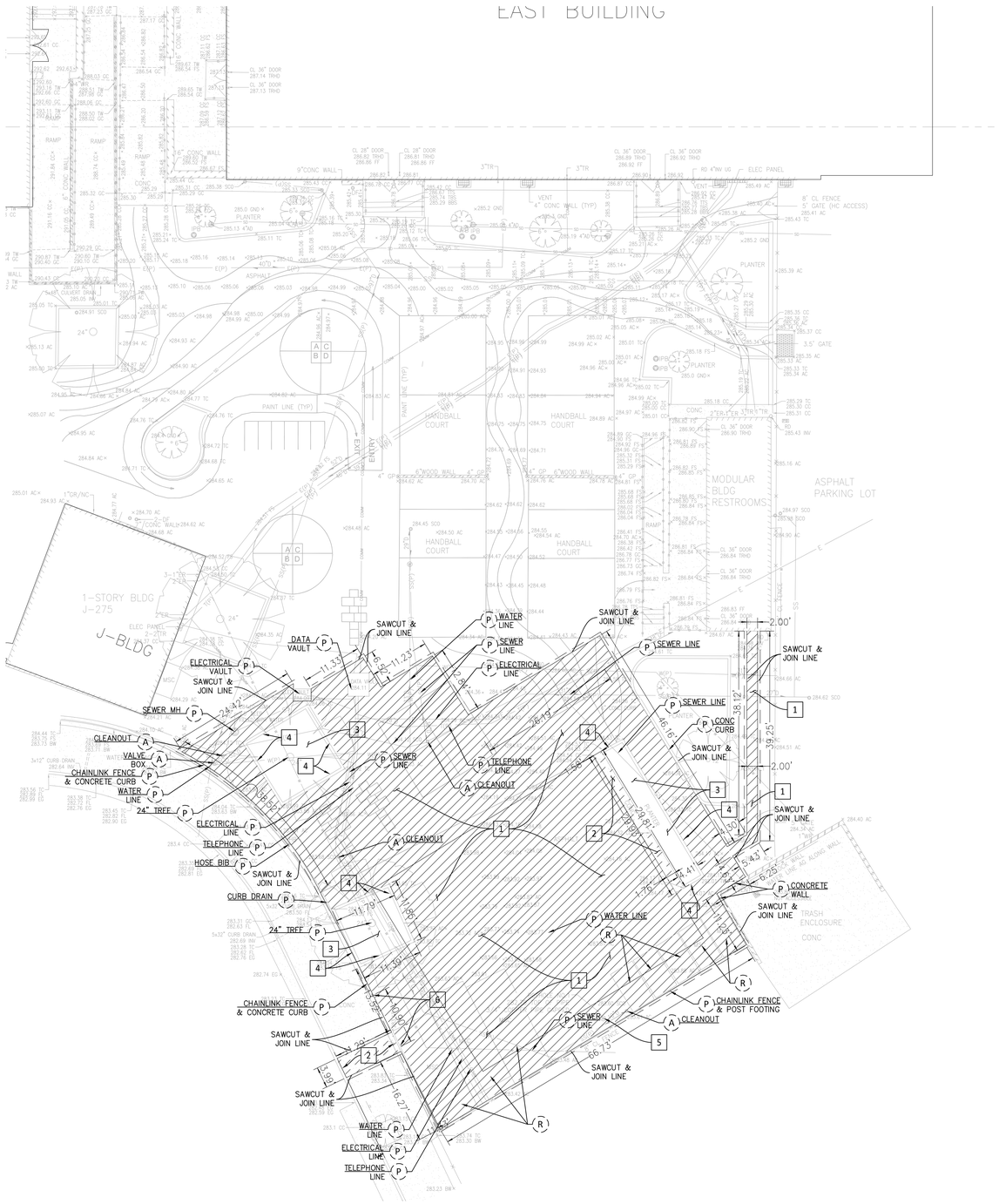
NOTES & LEGEND

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	MK	CHECKED:	TT

SHEET NUMBER:

C-1.0

DATE: 12/10/2025



DEMOLITION NOTES:

1. ASPHALT CONCRETE PAVEMENT, 2" THICK
2. PORTLAND CONCRETE PAVEMENT, 4" THICK
3. CLEAR AND GRUB
4. CONCRETE MOWSTRIP
5. SHUT OFF VALVE AND YARD BOX, SEE DEMOLITION GENERAL NOTE 3
6. CONCRETE CURB

(A) ADJUST TO GRADE

(P) PROTECT IN PLACE

(R) RELOCATE EXISTING METAL STORAGE CONTAINERS, CONTRACTOR SHALL TEMPORARILY RELOCATE ON-SITE TO ACCOMPLISH PAVING WORK. UPON COMPLETION OF PAVING WORK, THE METAL STORAGE CONTAINERS SHALL BE REPLACED PER OAR DIRECTIONS

DEMOLITION GENERAL NOTES:

1. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION AND ANY UTILITIES WORK REQUIRED OUTSIDE OF LIMITS OF WORK.
2. PROTECT EXISTING UTILITY LINES IN PLACE UNLESS OTHERWISE NOTED.
3. FOR DEMOLITION OR RELOCATION OF UNDERGROUND UTILITIES SEE SITE UTILITY PLAN C-4.0 FOR ADDITIONAL INFORMATION.
4. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT THE INTEGRITY OF THE ADJACENT STRUCTURES, POWER POLES, AND ANY IMPROVEMENTS OF ADJACENT PROPERTIES DURING DEMOLITION AND CONSTRUCTION OF NEW FENCING AND WALLS.
5. THE CONTRACTOR SHALL REPAIR AND RESTORE ANY STRUCTURES OR ADJOINING WALLS THAT RE DAMAGED DURING DEMOLITION.
6. CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY DETECTION SUCH AS GPR AND POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO DEMOLITION AND EXCAVATION WORK. EXISTING UTILITY SHOWN ON PLAN ARE FOR REFERENCE ONLY.
9. ONLY HAND DIGGING IS PERMITTED WITHIN THE CANOPY OF AN EXISTING TREE. IF ANY ROOTS OVER 2" IN DIAMETER ARE ENCOUNTERED DURING CONSTRUCTION, CONSTRUCTION WITHIN THE DRIPLINE NEEDS TO STOP AND THE LAUSD ARBORIST NEEDS TO BE CONSULTED ON THE COURSE OF ACTION FOR TREE PROTECTION. TEMPORARY FENCING WITHIN THE ENTIRE DRIP LINE NEEDS TO BE IN PLACE THROUGHOUT CONSTRUCTION AND NO STORAGE OF ANY KIND OR VEHICLES ARE PERMITTED WITHIN THE DRIP LINE. SEE LANDSCAPE ARCHITECT DRAWINGS FOR ADDITIONAL INFORMATION.

ESTIMATED EATHWORK QUANTITY:

AREA OF DISTURBANCE = 0.120 ACRES
CUT VOLUME = 9 CY
FILL VOLUME = 7 CY
NET VOLUME = 2 CY (CUT)

NOTES:

1. THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE FOR REFERENCE ONLY TO BE USED FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES ONLY.
2. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES IN SURVEY. THE ESTIMATED EARTHWORK DOES NOT CONSIDER THE THICKNESS OF EACH PAVEMENT MATERIAL, FOUNDATION AND SLAB ON GRADE VOLUMES, THE REMOVAL OF ANY UNSUITABLE MATERIAL AND THE REMOVAL OF EXISTING BASEMENTS. PITS, VAULTS, TOP SOIL OR VEGETATION.
3. THE ESTIMATED EARTH WORK QUANTITIES DO NOT INCLUDE SHRINKAGE FACTORS DUE TO COMPACTION OR ANY OVER EXCAVATION QUANTITIES.
4. THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK. THE ENGINEERIS NOT RESPONSIBLE AND LIABLE FOR THE CONTRACTOR'S EARTHWORK CALCULATIONS.
5. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACK FILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION. REMOVAL, OR REPLACEMENT.
6. THE ESTIMATED QUANTITIES WERE CALCULATED AND LIMITED TO ON-SITE AREA ONLY.

LEGEND:

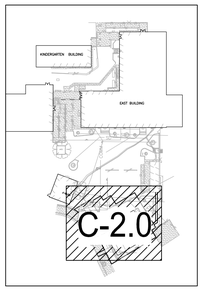
LIMIT OF WORK

SAWCUT & JOIN LINE

REMOVE EXISTING ASPHALT CONCRETE PAVEMENT 1

REMOVE EXISTING CONCRETE PAVEMENT 2

ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED.



KEY MAP
NTS

10' 5' 0' 5' 10' 20'
GRAPHIC SCALE
SCALE : 1"= 10'

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STAMPS/SEALS

LICENSED ARCHITECT
AUSTYN T. TOMENES
No. C-36535
RENEWS 6-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. TSAI
No. 82464
CIVIL
STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

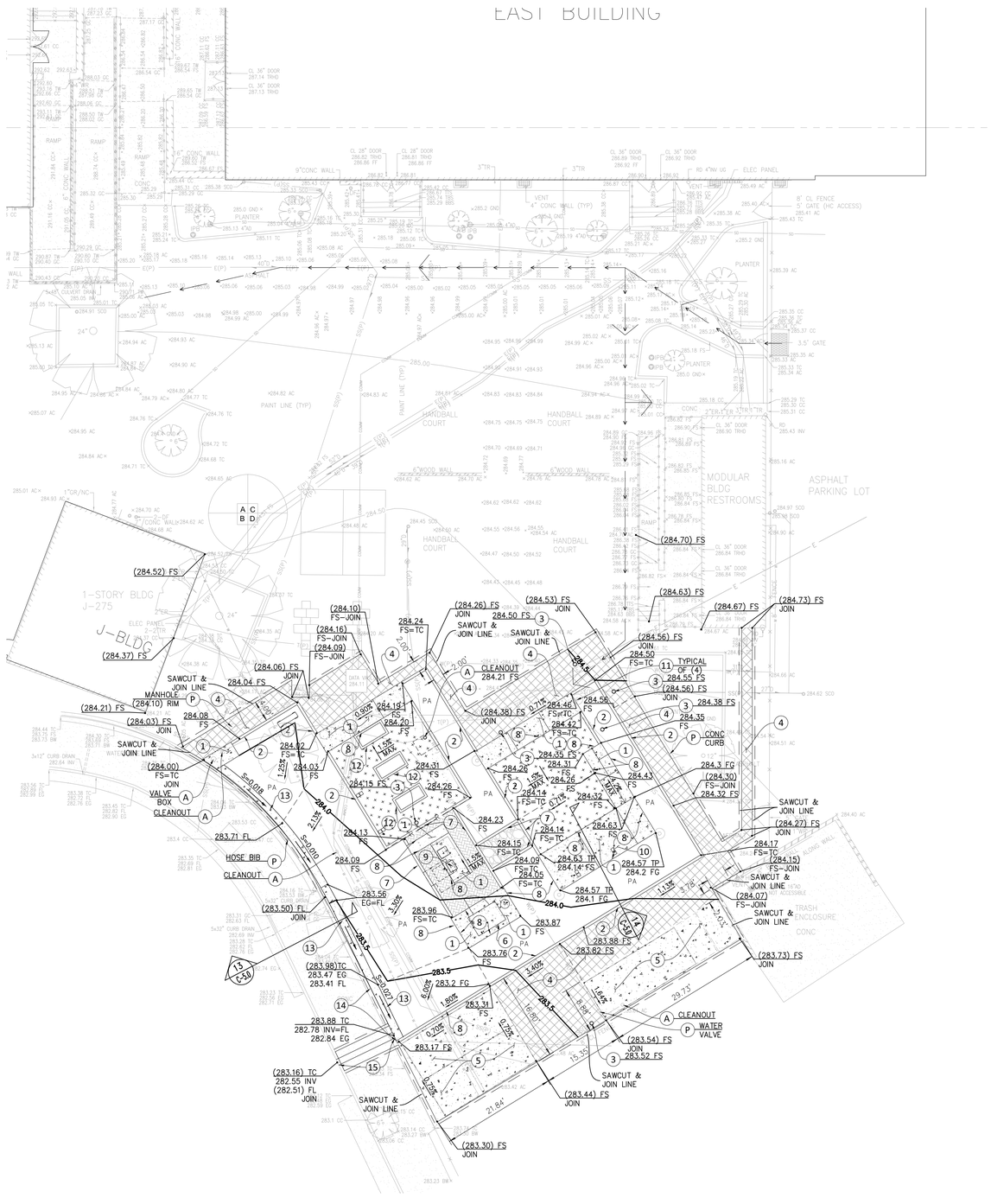
DEMOLITION PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	MK	CHECKED:	TT

SHEET NUMBER:

C-2.0

DATE: 12/10/2025



CONSTRUCTION NOTES:

1. PORTLAND CONCRETE PAVEMENT PER DETAIL 1/C-5.0
2. CONCRETE MOWING STRIP PER DETAIL 8/C-5.0
3. CLEANOUT PER DETAIL 3/C-5.0
4. ASPHALT CONCRETE PER DETAIL 2/C-5.0
5. METAL STORAGE CONTAINER CONCRETE PAD PER DETAIL 1/C-5.0
6. STORAGE UNIT, SEE LANDSCAPE PLAN L-100 FOR DETAILS
7. CONCRETE HEADER PER DETAIL 6/C-5.0
8. THICKENED EDGE PER DETAIL 5/C-5.0
9. DEMONSTRATION COUNTER, SEE LANDSCAPE PLAN FOR DETAILS
10. RAISED PLATFORM PER LANDSCAPE PLAN
11. SHADE STRUCTURE FOOTING AND COLUMNS, SEE ARCHITECTURAL PLAN FOR DETAILS
12. ABOVE GRADE PLANTERS, SEE LANDSCAPE DRAWINGS
13. COMBINATION MOWING STRIP-GUTTER PER DETAIL 9/C-5.0
14. CONSTRUCT CONCRETE CURB AT FENCE AND CURB DRAIN AT PROPERTY LINE PER DETAIL 11/C-5.0
15. CONSTRUCT CURB-O-LET 4"x14" CURB DRAIN PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION SPPWC-150-4, CASE III INLET.

(A) ADJUST TO GRADE

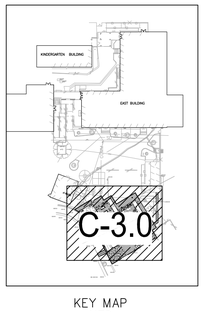
(P) PROTECT IN PLACE

GENERAL NOTES:

1. SEE LANDSCAPE DRAWINGS FOR ALL PLANTED AREAS AND TURF AREAS.
2. SEE UTILITY PLAN C-4.0 FOR ADDITIONAL INFORMATION.
3. CONSTRUCT THICKENED EDGE PER DETAIL 5/C-5.0, WHERE CONCRETE PAVEMENT ABUTS AGAINST PAVERS AND LANDSCAPE AREAS
4. CONTRACTOR SHALL OBTAIN A-PERMIT FROM THE CITY AS REQUIRED TO CONSTRUCT CURB DRAIN ACROSS PUBLIC SIDEWAL

LEGEND:

- PORTLAND CONCRETE PAVEMENT PER DETAIL 1/C-5.0
- PLAYGROUND ASPHALT CONCRETE PAVEMENT PER DETAIL 2/C-5.0
- DECOMPOSED GRANITE PAVING PER LANDSCAPE DRAWINGS
- FLAGSTONE PAVERS PER LANDSCAPE DRAWINGS
- PERMEABLE PAVERS PER DETAIL 10/C-5.0
- CHAINLINK FENCE
- GRADE BREAK
- SAWCUT AND JOIN
- LIMIT OF WORK
- PATH OF TRAVEL



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STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN L. PARKER — C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — THOMAS M. TRAN — 82484 — CIVIL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

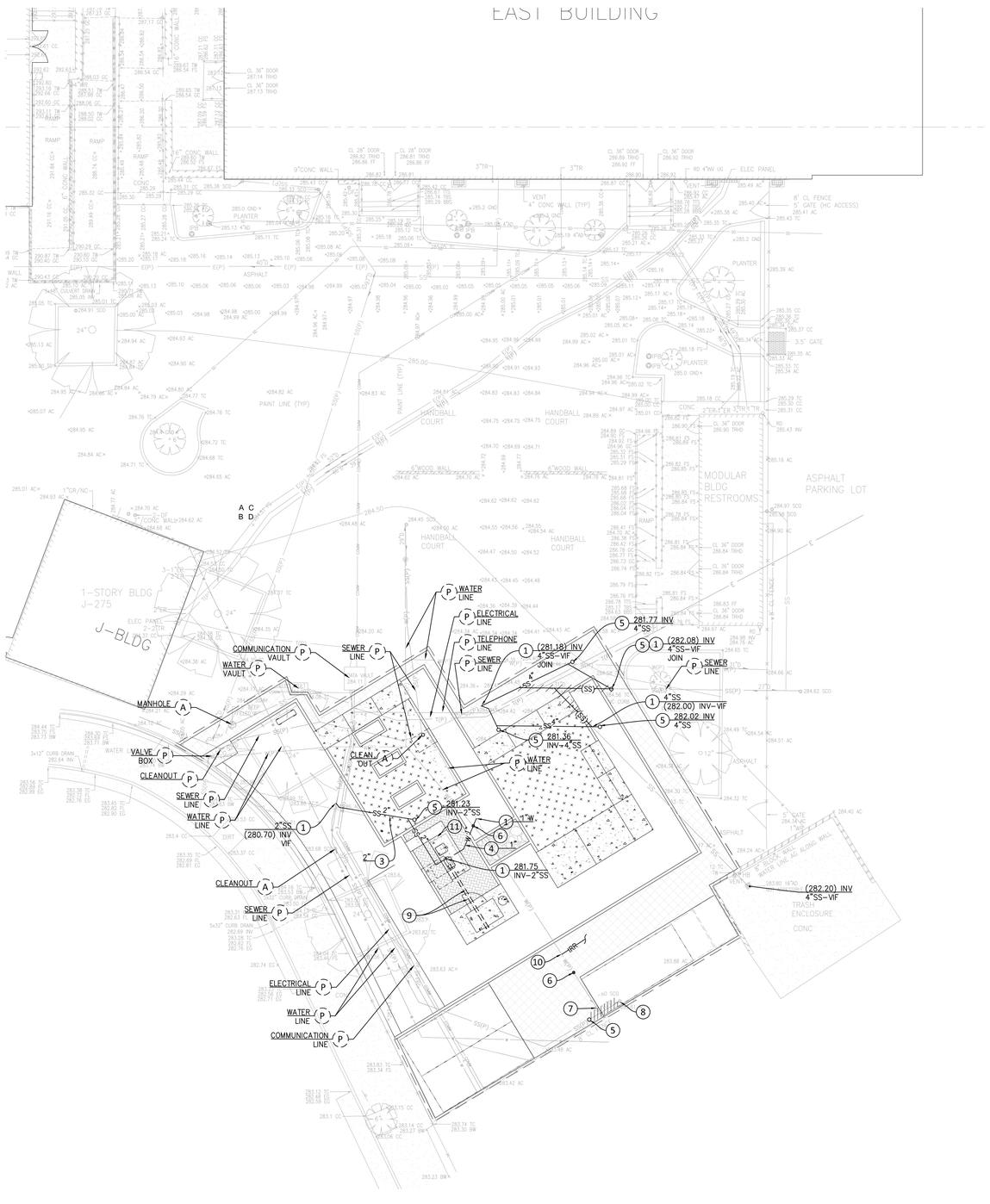
GRADING PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	MK	CHECKED:	TT

SHEET NUMBER:

C-3.0

DATE: 12/10/2025



UTILITY CONSTRUCTION NOTES:

1. POINT OF CONNECTION
2. DEMONSTRATION COUNTER, SEE LANDSCAPE PLAN FOR DETAILS
3. PROPOSED SEWER LINE, SIZE PER PLAN
4. PROPOSED WATER LINE, SIZE PER PLAN
5. SEWER CLEANOUT PER DETAIL 3/C-5.0
6. SHUT-OFF VALVE IN YARD BOX, PER DETAIL 4/C-5.0. SEE PLUMBING PLAN FOR ADDITIONAL INFORMATION
7. REMOVE EXISTING SHUT OFF VALVE AND RECONNECT EXISTING WATER LINE
8. REMOVE EXISTING CLEANOUT
9. VENT PIPE, SEE PLUMBING PLAN P2.01 FOR DETAILS
10. POINT OF CONNECTION FOR IRRIGATION. SEE LANDSCAPE DRAWING FOR CONTINUATION AND BACKFLOW PREVENTOR
11. HOSE BIB, SEE PLUMBING PLAN FOR DETAIL

(A) ADJUST TO GRADE

(P) PROTECT IN PLACE

GENERAL NOTES:

1. ALL PIPES SHALL BE BEDDED IN ACCORDANCE WITH DETAIL 12 ON SHEET C-5.0
2. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.

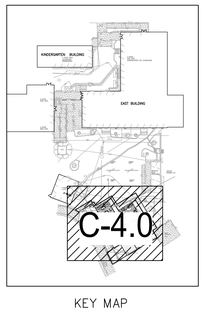
PIPE MATERIALS TO BE USED ON PROJECT:

SANITARY SEWER: PVC SCHEDULE 40 DWV

DOMESTIC WATER 3" AND SMALLER: COPPER TYPE K HARD

LEGEND:

- PORTLAND CONCRETE PAVEMENT PER DETAIL 1/C-5.0
- PLAYGROUND ASPHALT CONCRETE PAVEMENT PER DETAIL 2/C-5.0
- MOUNDED LAWN ADJACENT TO PLAY YARD PER LANDSCAPE DRAWINGS
- FLAGSTONE SHAPE PERMEABLE PAVERS PER LANDSCAPE DRAWINGS
- PRECAST ARCHITECTURAL PERMEABLE PAVERS PER LANDSCAPE DRAWINGS
- CHAINLINK FENCE
- GRADE BREAK
- SAWCUT AND JOIN
- PATH OF TRAVEL
- SS#" — PROPOSED SEWER LINE, SIZE PER PLAN
- W#" — PROPOSED WATER LINE, SIZE PER PLAN
- (SS) — REMOVE EXISTING UTILITY



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REGISTERED PROFESSIONAL ENGINEER — THOMAS M. TRAN — No. 82464 — CIVIL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

UTILITY PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
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SHEET NUMBER:

C-4.0

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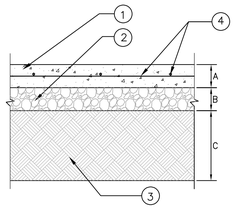


NOTES:

1. PORTLAND CEMENT CONCRETE PAVEMENT MINIMUM 3000 PSI COMPRESSIVE STRENGTH
2. CRUSHED AGGREGATE BASE 95% OF MAXIMUM DENSITY.
3. COMPACTED SUBGRADE 90% OF MAXIMUM DENSITY.
4. #4 BARS @ 16" ON CENTER EACH WAY.

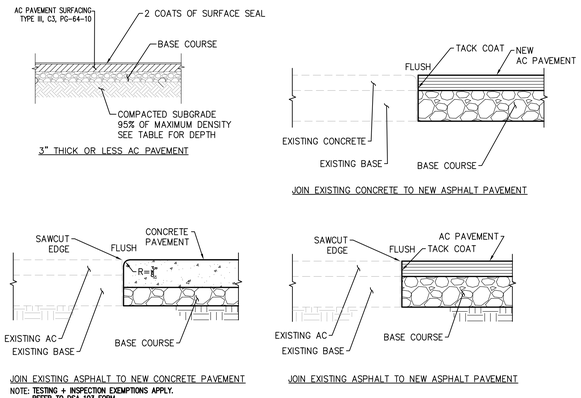
TYPE	PAVEMENT SECTION	A	B	C
PLAY YARD	LIGHT DUTY	5"	4"	12"
MSC PAD	HEAVY DUTY	8"	4"	12"

SEE DETAIL 7 HEREON FOR CONCRETE JOINT DETAILS.
REFERENCE LANDSCAPE ARCHITECT PLANS FOR JOINTING PATTERN

NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

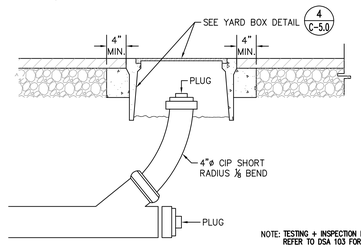
PORTLAND CEMENT CONCRETE PAVEMENT — N.T.S. — 1

LOCATION	ASPHALT CONCRETE		BASE COURSE		
	THICKNESS	MIX	THICKNESS EXISTING PAVED SITE	TYPE	GRADE
PLAYGROUND	2"	TYPE III,C3,PG-64-10	3"	CAB	FINE



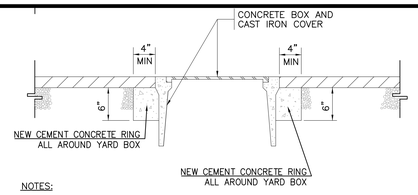
NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

ASPHALT CONCRETE PAVEMENT — N.T.S. — 2



NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

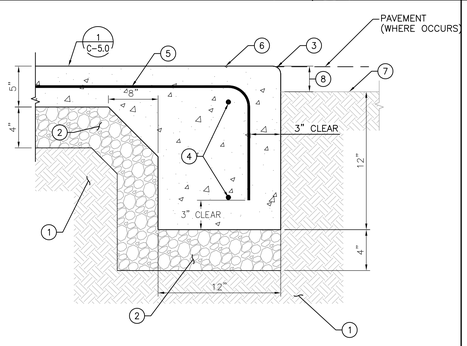
SHALLOW CLEANOUT — N.T.S. — 3



NOTES:

1. "JENSEN" YARD BOX SKU#100001926 WITH 9-7/8"x15-1/4" I.D. CONCRETE BOX WITH TRAFFIC COVER, UTILITY NAME (WATER, STORM DRAIN, SANITARY SEWER, POWER, SPRINKLER, ETC.) EMBOSSED 1/16" ABOVE SURFACE, 1" HIGH UPPERCASE
2. ALL METAL PARTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION
3. TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

YARD BOX — N.T.S. — 4

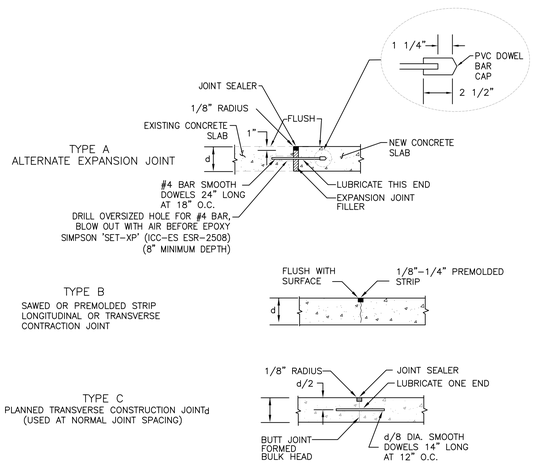


LEGEND:

1. SUBGRADE COMPACTED TO 90%
2. 4" CRUSHED AGGREGATE BASE COMPACTED TO 95%
3. 3/4" RADIUS
4. 2-#4 CONTINUOUS TOP AND BOTTOM
5. #4 BARS @ 16" ON CENTER EACH WAY, CENTER BARS IN PAVEMENT
6. FINISH SURFACE ELEVATION PER PLAN
7. FINISH GRADE 1 1/2" BELOW FINISH SURFACE WHERE ADJACENT TO PLANTED AREAS, UNLESS OTHERWISE NOTED
8. H=1" WHERE ADJACENT TO SOD, H=2" WHERE ADJACENT TO GROUND COVER, UNLESS OTHERWISE NOTED

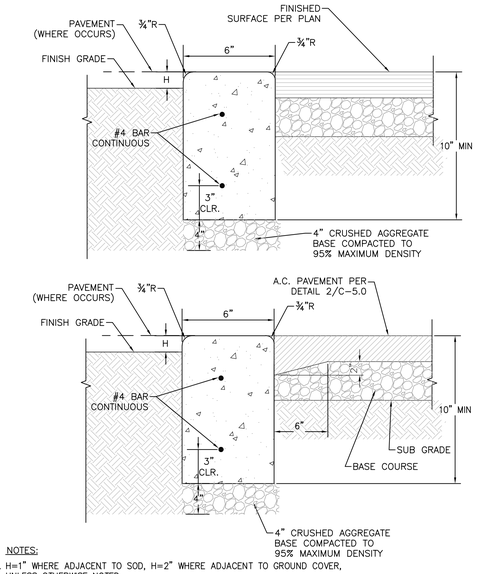
NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

THICKENED EDGE — N.T.S. — 5



NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

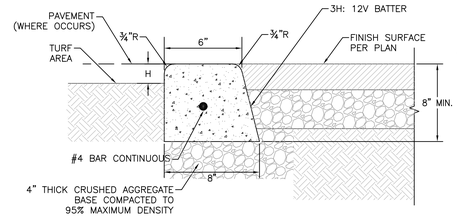
CONCRETE JOINT DETAILS — N.T.S. — 7



NOTES:

1. H=1" WHERE ADJACENT TO SOD, H=2" WHERE ADJACENT TO GROUND COVER, UNLESS OTHERWISE NOTED
2. TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

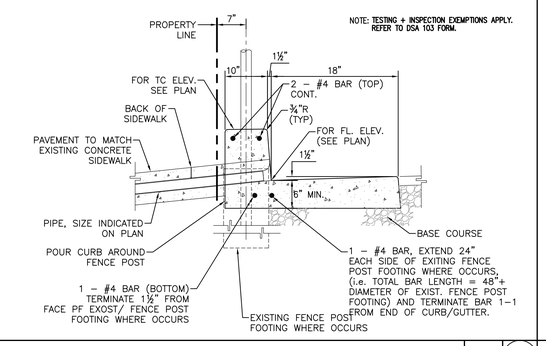
DEEP CONCRETE HEADER — N.T.S. — 6



NOTES:

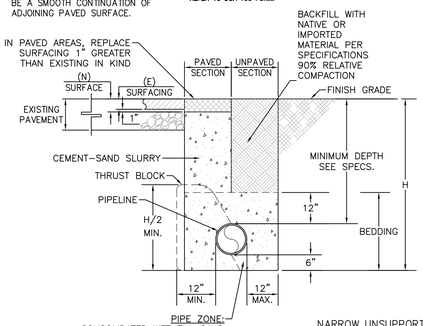
1. H=1" WHERE ADJACENT TO SOD, H=2" WHERE ADJACENT TO GROUND COVER, UNLESS OTHERWISE NOTED
2. TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

CONCRETE MOWING STRIP — N.T.S. — 8



NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

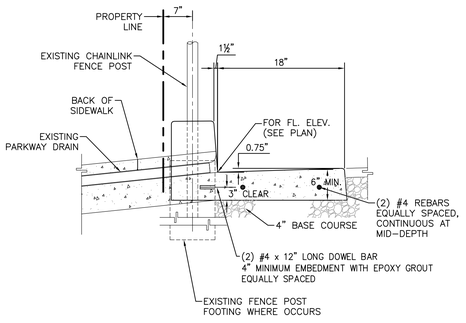
DRAIN AT PROPERTY LINE — N.T.S. — 11



NARROW UNSUPPORTED VERTICAL WALLED TRENCH WIDTH

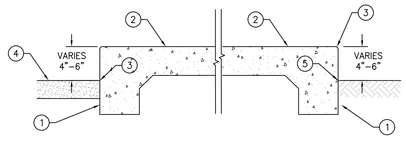
NOMINAL PIPE DIAMETER (INCHES)	NARROW TRENCH WIDTH MIN. (INCHES)
4	18
6	18
8	24
12	30

PIPE BEDDING — N.T.S. — 12



NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

SECTION — N.T.S. — 13

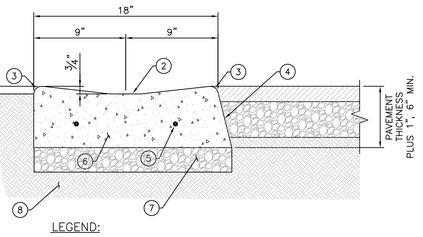


LEGEND:

1. THICKENED EDGE PER DETAIL 5/C-5.0
2. CONCRETE PAVEMENT PER DETAIL 1/C-5.0
3. FINISHED SURFACE (FS) ELEVATION PER PLAN
4. FINISHED SURFACE PER PLAN
5. FINISHED GRADE (FG) ELEVATION PER PLAN

NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

PLATFORM SECTION — N.T.S. — 14



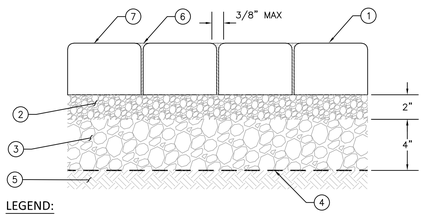
LEGEND:

1. TURF AREA
2. 3" WIDE METAL TROWEL FINISH MINIMUM SLOPE = 0.40%
3. 3/4" RADIUS
4. 3H:12V BATTER
5. 2-#4 BAR CONTINUOUS
6. CONSTRUCT COMBINATION MOWING STRIP WITH 520-C-3000 GRADE CONCRETE
7. 4" THICK CRUSHED AGGREGATE BASE
8. SUBGRADE. COMPACTED TO 90%

NOTE:

1. COMBINATION MOWING STRIP-GUTTER (TO BE USED ALONG UPPER EDGE OF TURF AREA WHERE TURF BUILD-UP WILL CAUSE PONDING)
2. TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

COMBINATION MOWING STRIP DETAIL — N.T.S. — 9



LEGEND:

1. PERMEABLE PAVERS, SEE LANDSCAPE ARCHITECT DRAWINGS FOR PAVER MATERIAL
2. 2" LEVELING COURSE, CRUSHED STONE ASTM NO. 8
3. 4" PERMEABLE BASE COURSE, CRUSHED STONE ASTM NO. 57
4. GEOTEXTILE FABRIC, MIRAFI 140N
5. UPPER 12" SUBGRADE 90% COMPACTION
6. JOINT INFILL 3/8" MAXIMUM GAP, CRUSHED STONE ASTM NO 8
7. APPLY PENETRATING SEALER PER MANUFACTURER RECOMMENDATIONS

NOTE: TESTING + INSPECTION EXEMPTIONS APPLY.
REFER TO DSA 103 FORM.

PERMEABLE PAVER — N.T.S. — 10

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
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COMMISSIONED ARCHITECT

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CONSULTANT

MOLLENHAUER GROUP
CIVIL ENGINEERING
SURVEYING+MAPPING
LAND DEVELOPMENT
213 624 2661 TEL
919 W. GLENOAKS BLVD 2ND FL
GLENDALE CALIFORNIA 91202
WWW.MOLLENHAUERGROUP.COM

STAMPS/SEALS

LICENSED ARCHITECT — AUSTYN L. PONEMAN — No. C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — THOMAS M. TRAN — 82464 — CIVIL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

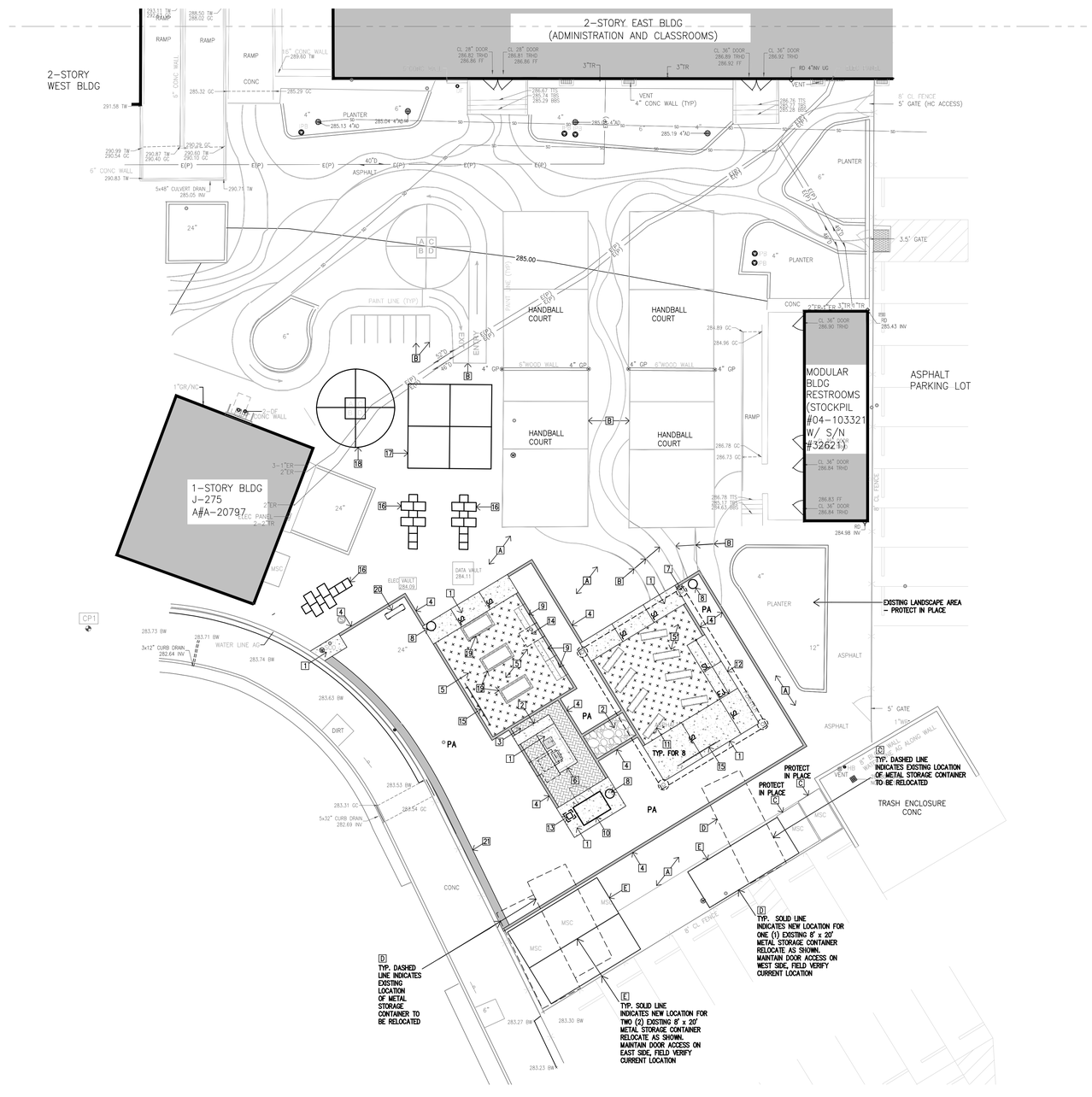
DETAILS

PROJECT NO.: 23012.00	PROJECT ARCH: KB
DRAWN: MK	CHECKED: TT

SHEET NUMBER:

C-5.0

DATE: 12/10/2025



CONSTRUCTION PLAN

SCALE: 1" = 10'-0"

CONSTRUCTION LEGEND

SYMBOL	DESCRIPTION	DETAIL REFERENCE
1	NATURAL COLOR CONCRETE PAVING WITH MEDIUM BROOM FINISH	SEE CIVIL
2	CORSIA FLAGSTONE PAVERS BY ORCO – RIVER STONE BLEND WITH PERMEABLE STABILIZING SEALER BY B.P.PRO	9 / L-5.00
3	CONCRETE PERMEABLE PAVERS – 4⅜" X 8⅜" BY ACKER STONE CATINA BLEND HERRINGBONE PATTERN WITH PERMEABLE STABILIZING SEALER BY B.P.PRO	SEE CIVIL 9 / L-5.00
4	CONCRETE HEADER / MOWING STRIP	SEE CIVIL C-3.0 and C-5.0 / 6, 8
5	STABILIZED DECOMPOSED GRANITE	1 / L-5.01
6	DEMONSTRATION COUNTER	1 / L-5.00
7	SHADE STRUCTURE BY USA SHADE. TELE GREY METAL POSTS and CLOTH BLUE CANOPY	SEE DRAWINGS BY USASHADE
8	LIGHT POLE WITH INTEGRATED POWER OUTLET	SEE ELECTRICAL
9	BENCH	SEE SITE FURNITURE SCHEDULE BELOW 3 / L-5.01
10	STORAGE UNIT	SEE SITE FURNITURE SCHEDULE BELOW and SEE ELECTRICAL and MECHANICAL 6 / L-5.01
11	MOVEABLE LOG BENCH	2 / L-5.01
12	SLOPED WALK	SEE CIVIL
13	TRASH RECEPTACLE	SEE SITE FURNITURE SCHEDULE BELOW 4 / L-5.01
14	36" x 48" ADA SEATING AREA	
15	WRITING TEACHING SURFACE	2, 3, 4, 5, 6, 7, 8 / L-5.00
16	HOPSCOTCH SPORT STRIPING	SEE ARCHITECTURAL
17	FOUR SQUARE SPORT STRIPING	SEE ARCHITECTURAL
18	CIRCULAR FOUR SQUARE SPORT STRIPING	SEE ARCHITECTURAL
19	RAISED PLANTER BED	3 / L-5.01
20	SIGN	3, 4, 5, 7, 8, 10, 11 / L-5.00
21	COMBINATION MOWING STRIP	SEE CIVIL 9 / C-5.0
A	AC PAVING	SEE CIVIL
B	EXISTING SPORT STRIPING	SEE ARCHITECTURAL
C	EXISTING METAL STORAGE CONTAINER LOCATION TO REMAIN	
D	EXISTING METAL STORAGE CONTAINER LOCATION TO BE RELOCATED – SEE E	
E	NEW METAL STORAGE CONTAINER LOCATION	SEE CIVIL
F	UNDERGROUND UTILITY	SEE CIVIL

CONSTRUCTION NOTES:

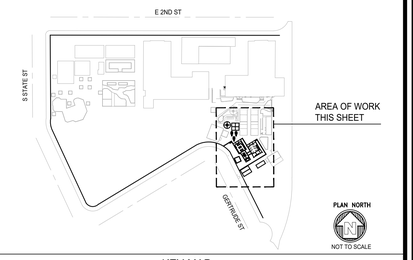
1. CONTRACTOR TO VERIFY GRADES AND NOTIFY LANDSCAPE ARCHITECT PRIOR TO START OF GRADING WORK.
2. ALL PLANTED AREAS TO SLOPE TO DRAINS AT 1 1/2% MINIMUM SLOPE UNLESS OTHERWISE NOTED.
3. ALL PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITION AND FLUSH ALONG ENTIRE EDGE.
4. CONCRETE WALKS TO HAVE A MAXIMUM CROSS SLOPE OF 2% AND SHALL MEET ALL LOCAL, COUNTY, AND TITLE 24 REQUIREMENTS.
5. ALL FINISH GRADES TOP OF MULCH IN PLANTED AREAS SHALL BE 1 1/2" BELOW ADJACENT PAVING SURFACES and CONCRETE MOW STRIPS UNLESS OTHERWISE NOTED.
6. ALL WALKS AND CONCRETE SURFACES SHALL BE INSTALLED PER CALIFORNIA BUILDING CODE, CHAPTER 11B. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY UPON ANY DISCREPANCIES BETWEEN THE DESIGN AND TITLE 24 REQUIREMENTS.
7. ALL FORMS AND ALIGNMENT OF PAVING SHALL BE INSPECTED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO POURING. PROVIDE MINIMUM OF 48 HOURS NOTICE.
8. CONTRACTOR SHALL NOTE AND INSTALL SLEEVE LOCATIONS SHOWN ON IRRIGATION PLAN AND CONSTRUCTION PLAN.
9. THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
10. CONTRACTOR MUST CHECK ALL DIMENSIONS, FRAMING CONDITIONS AND SITE CONDITIONS BEFORE STARTING WORK. LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR DEFICIENCIES.
11. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED SIMILAR TO THE DETAILS FOR THE RESPECTIVE MATERIALS.
12. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. ALL BRACING, EMPORARY SUPPORTS, SHORING, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OBSERVATION VISITS TO JOB SITE BY THE LANDSCAPE ARCHITECT DO NOT INCLUDE INSPECTION OF CONSTRUCTION METHODS AND SAFETY CONDITIONS AT THE WORKSITE. THESE VISITS SHALL NOT BE CONSTRUED AS CONTINUOUS AND DETAILED INSPECTIONS.
13. ALL PATTERNED CONCRETE INCLUDING SCORE LINES AND EXPANSION JOINTS SHALL BE AS SHOWN PER THIS PLAN.
14. ALL SCORE LINES TO BE HAND TOOLED.
15. PROVIDE 4' SQUARE SAMPLE OF EACH PAVING COLOR and TEXTURE FOR OWNER APPROVAL PRIOR TO INSTALLATION.
16. ALL WORK SHALL COMPLY WITH 2022 CALGREEN CODE.
17. ONLY HAND DIGGING IS PERMITTED WITHIN THE CANOPY OF AN EXISTING TREE. IF ANY ROOTS OVER 2 IN DIAMETER ARE ENCOUNTERED DURING CONSTRUCTION, CONSTRUCTION WITHIN THE DRIPLINE NEEDS TO STOP AND THE LAUSD ARBORIST NEEDS TO BE CONSULTED ON THE COURSE OF ACTION FOR TREE PROTECTION. TEMPORARY FENCING WITHIN THE ENTIRE DRIP LINE NEEDS TO BE IN PLACE THROUGHOUT CONSTRUCTION AND NO STORAGE OF ANY KIND OR VEHICLES ARE PERMITTED WITHIN THE DRIP LINE.

CONSTRUCTION SYMBOL LEGEND

SYMBOL	DESCRIPTION
	NATURAL COLOR CONCRETE PAVING WITH MEDIUM BROOM FINISH
	CORSIA FLAGSTONE PAVERS BY ORCO-RIVER STONE BLEND
	CONCRETE PERMEABLE PAVERS BY ACKER STONE CATINA BLEND, HERRINGBONE PATTERN
	DECOMPOSED GRANITE PAVING
	LIGHT POLE
	6" CONCRETE HEADER / MOW STRIP
PA	PLANTING AREA
SL	SCORE LINE
EJ	EXPANSION JOINT
TYP.	TYPICAL

SITE FURNITURE SCHEDULE

MANUFACTURING	MODEL NO.	DESCRIPTION	QTY.	REMARKS
TUFF SHED C.F.C.I.	PREMIER LEAN TO	4' x 6' STORAGE UNIT	1	• PREMIER LEAN TO • (2) 6" x 8" UPPER WALL VENTS • VERTICAL GROOVE CEMENT PANEL SIDING • PAINT COLORS TBD BY ARCHITECT • BLACK DOOR HARDWARE • DRIP CAP, DOOR SECURITY • SINGLE DOOR ON CENTERED ON SIDE D RIGHT HINGE • 2/12 ROOF PITCH • STANDARD SHINGLES • 4" GABLE EW-EAVE • STEEL FLOOR FRAMING • SHED ANCHORS INTO CONCRETE • 3 LEVELS 16" SHELVING SIDE B • SHED COLOR: STANDARD COLOR GROUND COFFEE • DOOR COLOR: CORNWALL PAINT COLOR BY VALSPAR • TRIM COLOR: BLACKOUT BY BEHR • ROOF: CHARCOAL COLOR • SEE PLUMBING AND ELECTRICAL PLANS FOR ELECTRICAL AND VENT CONNECTIONS TO STORAGE UNIT • SEE DETAIL 4 / P0.02 VENT THROUGH ROOF and DETAIL C/ E0.03 UNDERGROUND CONDUIT RISER
ECO PDX C.F.C.I.	CEDAR TIMBER	51" BENCH WITH BACK	3	SEE DETAIL 5 / L-5.01
COLUMBIA CASCADE C.F.C.I.	GREEN WAY SURFACE MOUNT 2157 DT-DOME TOP LITTER – BLACK POWDER COAT	TRASH RECEPTACLE	1	SEE DETAIL 4 / L-5.01



KEY MAP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
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PROJECT TITLE & SCHOOL LOCATION

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COMMISSIONED ARCHITECT

PBWS ARCHITECTS

100 West Villa Street
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Pasadena, California 91103

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F: 626.432.5010
www.pbws.com

CONSULTANT

LandShapes
2029 Verdugo Bl.
Suite 1020
Montrose
California 91020
818/249-6900

STAMPS/SEALS

LICENSED ARCHITECT
KRISTIN L. BOWEN
No. C-36535
RENEWS 6-30-27
STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT
STEVEN L. LEE
No. 2524
EXP. 6/30/26
STATE OF CALIFORNIA

DSA BACK CHECK 09/26/2025

SHEET TITLE:

CONSTRUCTION PLAN

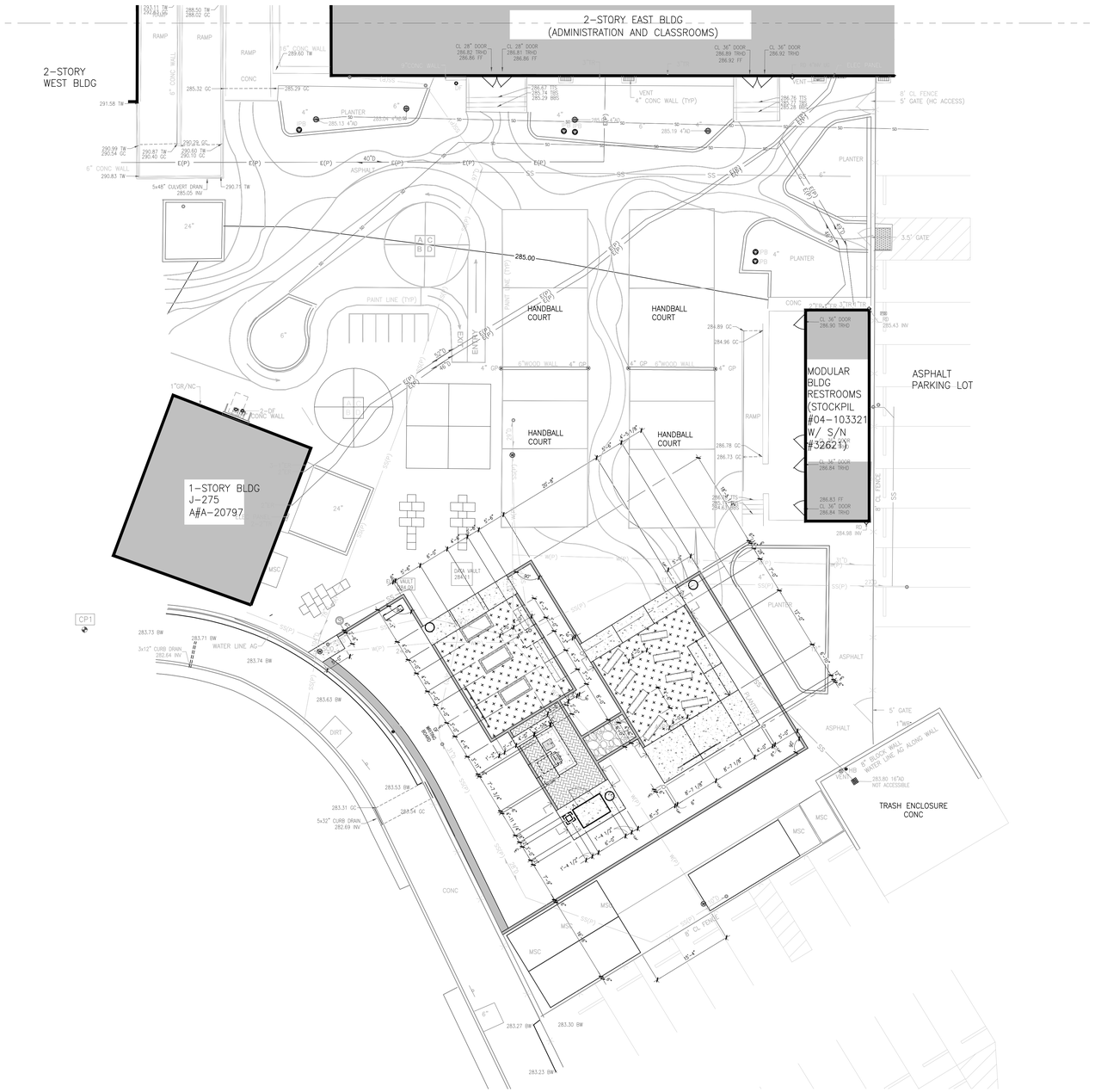
PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	OMG	CHECKED:	CL

SHEET NUMBER:

L-1.00

DATE: 6/13/2025

STAKING LEGEND	
SYMBOL	DESCRIPTION
FOW	FACE OF WALL
R	RADIUS
⊥	ALIGN
EQ	EQUAL
TYP.	TYPICAL
℄	CENTER LINE

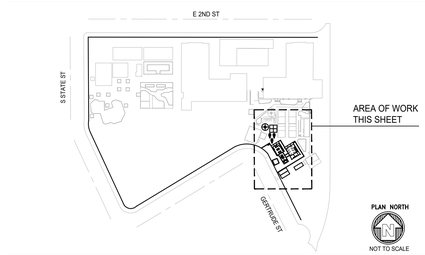


STAKING PLAN

SCALE: 1" = 10'-0"

PLAN NORTH

10 5 0 10 20 30



KEY MAP

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APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

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LOS ANGELES, CALIFORNIA 90017
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CONSULTANT

LandShapes
2029 Verdugo Bl.
Suite 1020
Montrose
California 91020
818/249-8900

STAMPS/SEALS

LICENSED ARCHITECT — CYNTHIA LEE — No. C-35005 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT — CYNTHIA LEE — No. 2524 — Exp. 6/30/26 — STATE OF CALIFORNIA

DSA BACK CHECK	09/26/2025

SHEET TITLE:

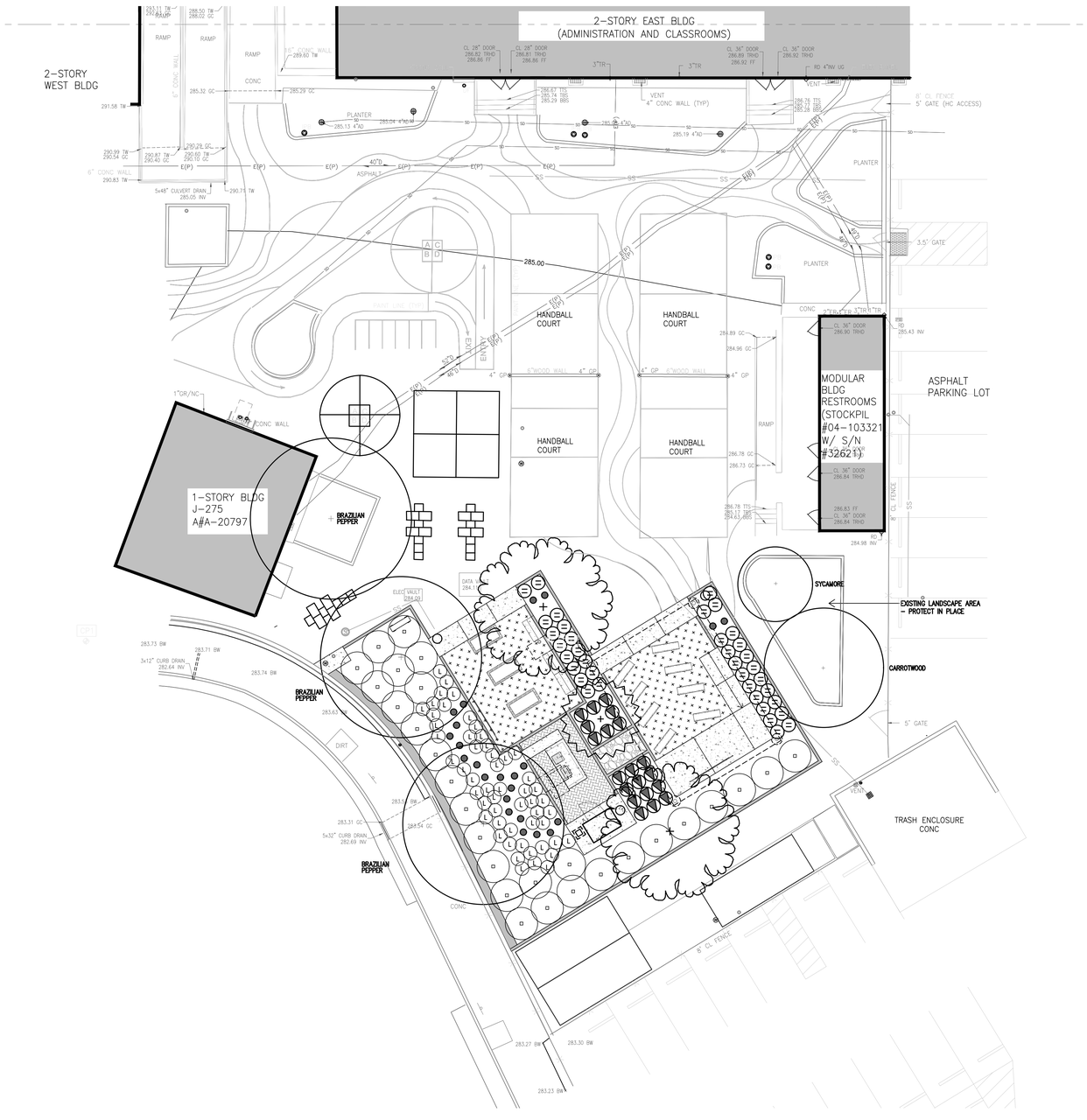
STAKING PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	OMG	CHECKED:	CL

SHEET NUMBER:

L-2.00

DATE: 6/13/2025



PLANTING PLAN

SCALE: 1" = 10'-0"

PLAN NORTH

10 5 0 10 20 30

PLANTING LEGEND:

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	REMARKS	DETAIL REFERENCE
	EXISTING TREE	SEE PLAN FOR TYPE		5	PROTECT IN PLACE	
	CERCIS occidentalis	WESTERN REDBUD	36" BOX	4	STANDARD	2, 4, 15 / L-6.00
	HANDROANTHUS impetiginosus	PINK TRUMPET TREE	48" BOX	6	STANDARD	2, 4, 15 / L-6.00
	CEANOTHUS griseus horizontalis	CARMEL CREEPER	5 GAL.	32		1 / L-6.00
B	BACCHARIS pilularia 'TWIN PEAKS'	COYOTE BUSH	5 GAL.	12		1 / L-6.00
	DIANELLA 'LITTLE REV'	LITTLE REV FLAX LILY	5 GAL.	48		1 / L-6.00
	FESTUCA mairei	ATLAS FESCUE	5 GAL.	59		1 / L-6.00
L	LOMANDRA LONGIFOLIA 'breeze'	LOMANDRA	5 GAL.	54		1 / L-6.00
	14" DIA x 4" THICK CEDAR ROUND			31		18 / L-6.00

PLANTING NOTES:

1. TOPDRESS ALL PLANTING AREAS WITH WALK ON BARK MULCH BY WWW.EDWHITETOPSOIL.NET, 3" DEEP. SUBMIT SAMPLE TO OAR PRIOR TO INSTALLATION.
2. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE OAR PRIOR TO INSTALLATION
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   1 PER 4" BOX SIZE
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   REMOVE AND REPLACE MINIMUM 24" OF SOIL IN PLANTING AREAS PREVIOUSLY PAVED OR AREAS WITH HIGHLY COMPACTED SOILS PER LAUSD SPECIFICATIONS.
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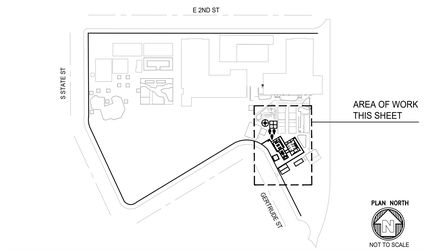

KEY MAP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL

1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS

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Pasadena, California 91103

T: 626.432.5000
F: 626.432.5010
www.pbws.com

CONSULTANT

LandShapes
2029 Verdugo Bl.
Suite 1020
Montrose
California 91020
818/249-6900

STAMPS/SEALS

LICENSED ARCHITECT — JUSTIN L. MARSH — No. C-36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT — CYNTHIA LEE — No. 2524 — Exp. 6/30/26 — STATE OF CALIFORNIA

DSA BACK CHECK	09/26/2025

SHEET TITLE:

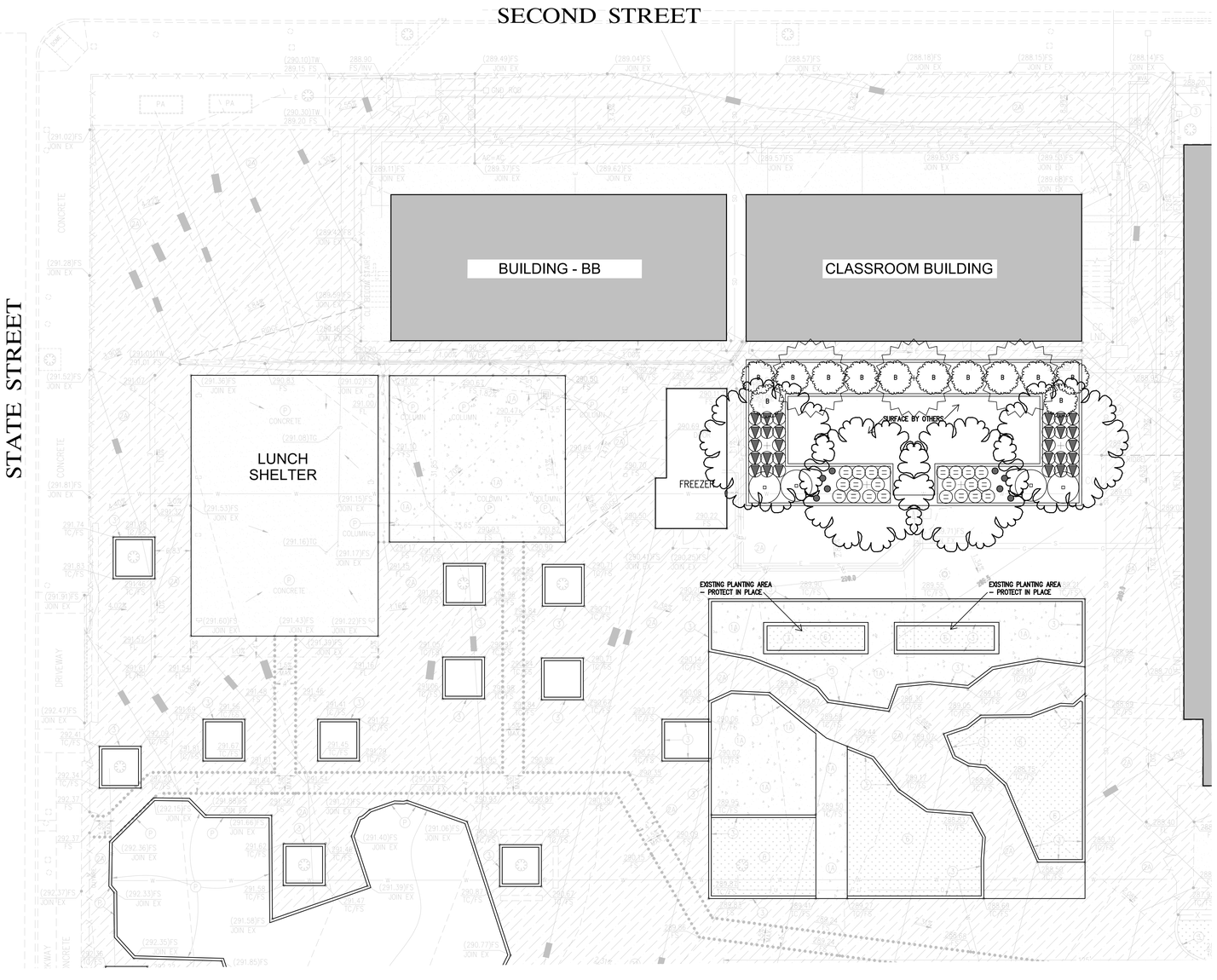
PLANTING PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	OMG	CHECKED:	CL

SHEET NUMBER:

L-3.00

DATE: 6/13/2025



PLANTING PLAN

SCALE: 1" = 10'-0"

PLAN NORTH

10 5 0 10 20 30

SCALE: 1" : 10'

PLANTING LEGEND:

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	REMARKS	DETAIL REFERENCE
	EXISTING TREE	SEE PLAN FOR TYPE		5	PROTECT IN PLACE	
	CERCIS occidentalis	WESTERN REDBUD	36" BOX	4	STANDARD	2, 4, 15 / L-6.00
	HANDROANTHUS impetiginosus	PINK TRUMPET TREE	48" BOX	6	STANDARD	2, 4, 15 / L-6.00
	CEANOTHUS griseus horizontalis	CARMEL CREEPER	5 GAL.	32		1 / L-6.00
B	BACCHARIS pilularia 'TWIN PEAKS'	COYOTE BUSH	5 GAL.	12		1 / L-6.00
	DIANELLA 'LITTLE REV'	LITTLE REV FLAX LILY	5 GAL.	48		1 / L-6.00
	FESTUCA mairei	ATLAS FESCUE	5 GAL.	59		1 / L-6.00
L	LOMANDRA LONGIFOLIA 'breeze'	LOMANDRA	5 GAL.	54		1 / L-6.00
	14" DIA x 4" THICK CEDAR ROUND			31		18 / L-6.00

PLANTING NOTES:

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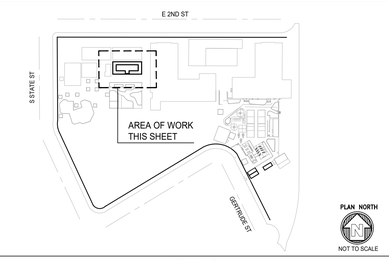

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STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN I. PRUNEDA — NO. C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT — CYNTHIA LAZZARETTO — No. 2524 — Exp. 6/30/26 — STATE OF CALIFORNIA

DSA BACK CHECK	09/26/2025

SHEET TITLE:

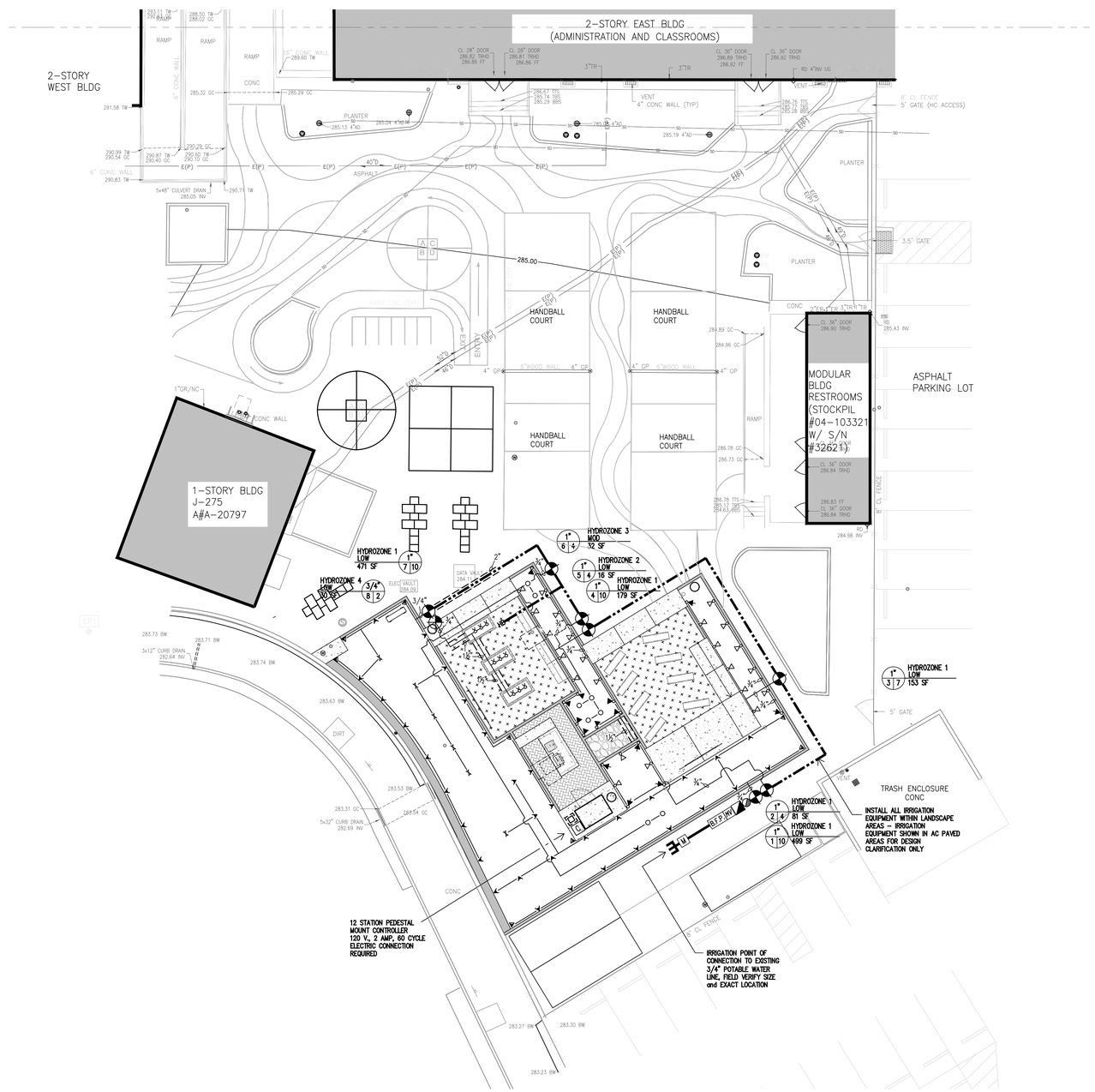
NORTH END
PLANTING PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	OMG	CHECKED:	CL

SHEET NUMBER:

L-3.01

DATE: 6/13/2025



IRRIGATION PLAN

SCALE: 1" = 10'-0"

PLAN NORTH

10 5 0 10 20 30

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MFR.	MODEL NO.	RAD. / GPM / PSI	DETAIL REFERENCE
	TREE BUBBLER HEAD ON RISER	RAINBIRD	RWS-B-1404 ROOT WATERING DEVICE, 1.0 GPM @ 30 PSI		15 / L-6.00
	6" POP-UP SHRUB SPRAY HEAD	RAINBIRD	1806 POP-UP BODY	5' RADIUS, Q=.5 GPM, H=1.0 GPM, PERFORMANCE @ 30 PSI	6 / L-6.00
	6" POP-UP SHRUB HEAD	HUNTER	MP800 SR MINI-ROTOR INSTALL ON RAINBIRD 1806 POP-UP BODY	10' RADIUS, Q=.23 GPM, H=.42 GPM, F=.78 GPM @ 40 PSI	6 / L-6.00
	PRESSURE COMPENSATING BUBBLER	RAINBIRD	PC-T-10	10 GPH	17 / L-6.00
HB	HOSE BIBB	CHAMPION	361 BCLD NO KINK LOOSE KEY		7 / L-6.00
M	IRRIGATION SUB-METER-1"		NETA7M WM-100-1.0-RS-M 1" IRRIGATION SUBMETER		12 / L-6.00
B.F.P.	BACKFLOW PREVENTION ASSEMBLY W/Y TYPE STRAINER	WILKINS	975XLS, R/P BACKFLOW PREVENTION DEVICE WITH WYE STRAINER 3/4"		13 / L-6.00
NO SYMBOL	BACKFLOW DEVICE ENCLOSURE	V.I.T.	STRONG BOX SBBC-30SS STAINLESS STEEL "SMOOTH TOUCH" BACKFLOW DEVICE ENCLOSURE		
MV	MASTER CONTROL VALVE WITH VALVE BOX	SUPERIOR	MODEL 3000 1" NORMALLY CLOSED MASTER CONTROL VALVE		14 / L-6.00
	FLOW SENSOR WITH VALVE BOX	DATA INDUSTRIAL	IR SERIES		14 / L-6.00
	QUICK COUPLER VALVE WITH VALVE BOX	RAINBIRD	44-LRC (1") QUICK COUPLER VALVE INSTALL WITHIN 10' ROUND VALVE BOX – FINAL LOCATION TO BE APPROVED BY ARCHITECT		5 / L-6.00
	REMOTE CONTROL VALVE	RAINBIRD	EFB-CP SERIES SIZED PER PLAN		11 / L-6.00
	REMOTE CONTROL VALVE FOR LOW FLOW BUBBLER	RAINBIRD	XCZ-075-PRF		16 / L-6.00
C	CONTROLLER	RAINBIRD	ESP-LXME2/PRO WITH IQNCC 4G CELLULAR NETWORK COMMUNICATION CARTRIDGE and LXMWSS STAINLESS STEEL PEDESTAL 12 STATION BASE MODEL		10 / L-6.00
	LATERAL LINE	PACIFIC PLASTICS	PVC PIPE MIN. 3/4" SCH. 40 AS LATERAL LINES		8, 9 / L-6.00
	MAIN LINE	PACIFIC PLASTICS	3/4" PVC PIPE SCH. 80 SOLVENT WELD AS MAINLINES		8, 9 / L-6.00
	SLEEVE UNDER PAVEMENT	PACIFIC PLASTICS	PVC PIPE SCH. 40 AS SLEEVING. TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED PLACE BELOW ALL PAVING, HARDSCAPE, ETC., AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.		8, 9 / L-6.00
NO SYMBOL	CONTROL WIRE	PAIGE	P7001D 14AWG COLORED IRRIGATION CONTROL WIRE (U.L. APPROVED)		
NO SYMBOL	WIRE CONNECTORS	SPEARS PLASTICS	DS-500 DBI SPLICE, DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS (U.L. APPROVED)		

MUCOLS HYDROZONE USE
VALVE SIZE
GPM
STATION NUMBER
HYDROZONE

IRRIGATION NOTES

1. ALL WIRE FROM CONTROLLER TO ELECTRIC CONTROL VALVES TO BE DIRECT BURIAL. INSTALL IN COMMON TRENCH WITH MAIN LINE PIPING WHERE POSSIBLE. PROVIDE MINIMUM 18" COVER.
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3. ALL WIRE SLICES TO BE MADE WITH PEN-TITE WIRE CONNECTORS OR SCOTCH-LOC #3577 SEALING PACK.
4. UPON COMPLETION OF JOB, PROVIDE OWNER WITH A REPRODUCIBLE SET OF RECORD DRAWINGS.
5. PROVIDE PVC SCHEDULE 40 SLEEVES FOR ALL PIPES AND CONTROL WIRE UNDER PAVING PRIOR TO PAVING. SLEEVE TO BE 2X DIAMETER OF PIPE UNLESS NOTED OTHERWISE.
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MWELO

MAWA (MAXIMUM APPLIED WATER ALLOWANCE)
(50.1) (.62) [2,388 x 0.45] = 33,379 GALLONS PER YEAR

ETWU (ESTIMATED TOTAL WATER USE) = 29,864 GALLONS PER YEAR

HYDROZONE 1 LOW WATER USE, SPRAY IRRIGATION
(RCVS 1, 2, 3, 4, 7, 10, 11, 12)
(50.1) (.62) [(2,198 X .30)] = 27,310 GALLONS PER YEAR
.75

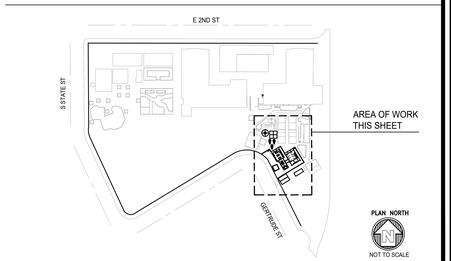
HYDROZONE 2 LOW WATER USE, BUBBLER IRRIGATION
(RCVS 5, 13)
(50.1) (.62) [(64 X .30)] = 736 GALLONS PER YEAR
.81

HYDROZONE 3 MODERATE WATER USE, BUBBLER IRRIGATION
(RCVS 6, 9)
(50.1) (.62) [(96 X .40)] = 1,473 GALLONS PER YEAR
.81

HYDROZONE 4 LOW WATER USE, DRIP IRRIGATION
(RCV 8)
(50.1) (.62) [(30 X .30)] = 345 GALLONS PER YEAR
.81

HYDROZONE RCV NOS.	PLANT WATER USE TYPE(S)	PLANT FACTOR (PF)	HYDROZONE AREA (HA) (SQUARE FEET)	PF X HA (SQUARE FEET)
1, 2, 3, 4, 7, 10, 11, 12	LOW	.30	2198 (92%)	659.40
5, 13	LOW	.30	64 (3%)	19.2
6, 9	MOD	.40	96 (4%)	38.4
8	LOW	.30	30 (1%)	9
			SUM	726

ETWU = (50.1)(.62)(726/.75) = 30,068 GALLONS PER YEAR



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DSA BACK CHECK 09/26/2025

SHEET TITLE:

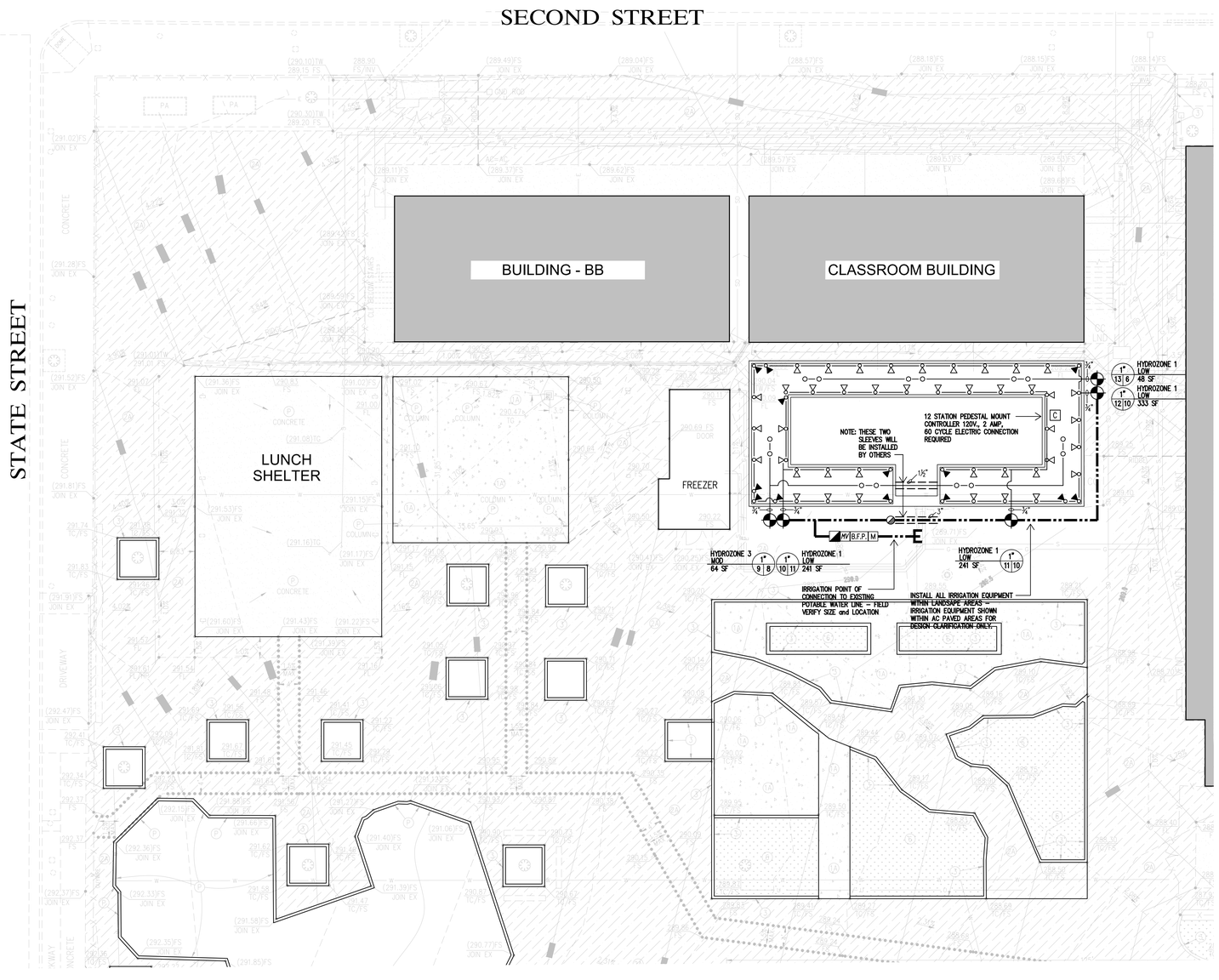
IRRIGATION PLAN

PROJECT NO.: 23012.00	PROJECT ARCH: KB
DRAWN: OMG	CHECKED: CL

SHEET NUMBER:

L-4.00

DATE: 6/13/2025



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LOW — VALVE SIZE
GPM
STATION NUMBER
HYDROZONE

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1, 2, 3, 4, 7, 10, 11, 12	LOW	.30	2198 (92%)	659.40
5, 13	LOW	.30	64 (3%)	19.2
6, 9	MOD	.40	96 (4%)	38.4
8	LOW	.30	30 (1%)	9
		SUM		726

ETWU = (50.1)(.62)(726/.75) = 30,068 GALLONS PER YEAR

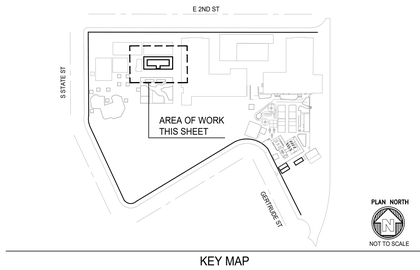
IRRIGATION PLAN

SCALE: 1" = 10'-0"

PLAN NORTH

10 5 0 10 20 30

SCALE: 1" : 10'



KEY MAP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS

100 West Villa Street
Suite 101
Pasadena, California 91103

T: 626.432.5000
F: 626.432.5010
www.pbws.com

CONSULTANT

LandShapes
2029 Verdugo Bl.
Suite 1020
Montrose
California 91020
818/249-6900

STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN L. PARKER — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT — CYNTHIA LEE — No. 2524 — EXP. 6/30/25 — STATE OF CALIFORNIA

DSA BACK CHECK 09/26/2025

SHEET TITLE:

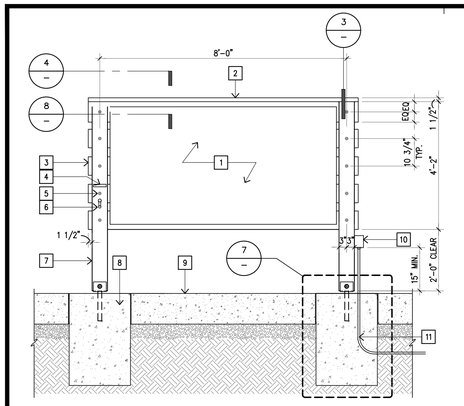
NORTH END IRRIGATION PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	OMG	CHECKED:	CL

SHEET NUMBER:

L-4.01

DATE: 6/13/2025

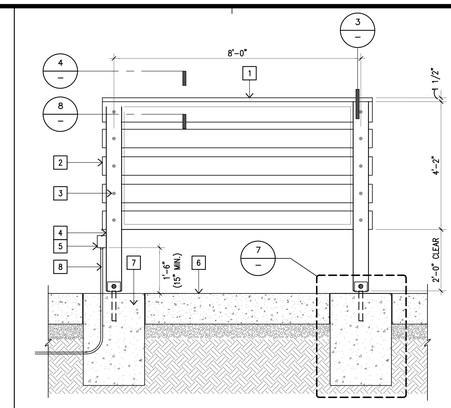


LEGEND:

1. MAGNETIC BLACKBOARD w/ WOOD FRAME AND TRAY AT WRITING BOARD AND 1/4" PLASTIC EXTERIOR SIGN PANEL, COORDINATE WITH DISTRICT FOR VERBAGE
2. 2"X12" RECYCLED PVC LUMBER TOP RAIL
3. 2"X8" RECYCLED PVC LUMBER
4. SHELF FOR ERASER
5. COUNTER SUNK 3/8" DIA. SS BOLT W/ SS WASHER AND NUT AT EACH END. PROVIDE SOLID PLASTIC PLUG TO MATCH PVC LUMBER, TYP.
6. SS SINGLE ROBE HOOK FOR HOLDING CHALK PAIL EVERBILT (OR EQUAL) MODEL 17764
7. 6"X6" RECYCLED PVC LUMBER POST
8. CONCRETE FOOTING
9. CONCRETE FINISH SURFACE
10. SURFACE MOUNTED EXTERIOR WATERPROOF GFCI OUTLET, S.E.D.
11. EXPOSED ELECTRICAL RIGID CONDUIT CONNECTED TO EXISTING ELECTRICAL PANEL – PRIME AND PAINT, V.I.F. PER LAUSD SPECIFICATIONS 09 9000

NOTE: SIGN W/ APEX LESS THAN 8'-0" IS EXEMPTED FROM THE DSA REVIEW PER APPENDIX A, A6 OF IR A – 22
TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.

6 SCALE: 1/2"=1'-0" SIGN / WRITING BOARD FRONT ELEVATION

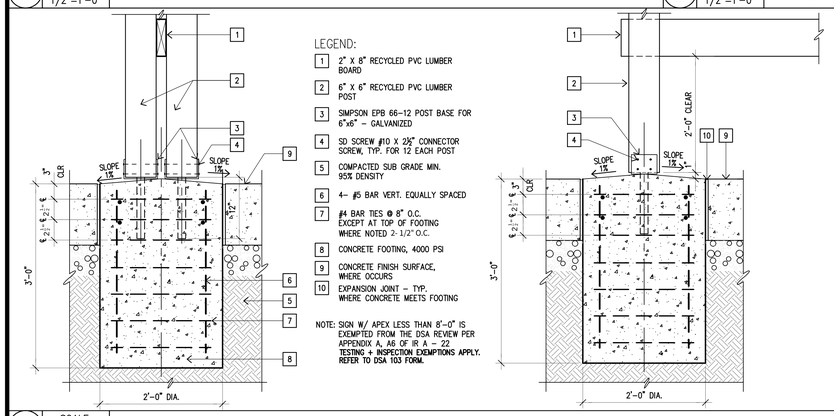


LEGEND:

1. 2"X12" RECYCLED PVC LUMBER TOP RAIL
2. 2"X8" RECYCLED PVC LUMBER
3. COUNTER SUNK 3/8" DIA. SS BOLT W/ SS WASHER AND NUT AT EACH END. PROVIDE SOLID PLASTIC PLUG TO MATCH PVC LUMBER, TYP.
4. 6"X6" RECYCLED PVC LUMBER POST
5. SURFACE MTD. EXTERIOR WATER PROOF GFCI OUTLET
6. CONCRETE FINISH SURFACE
7. CONCRETE FOOTING
8. EXPOSED ELECTRICAL RIGID CONDUIT CONNECTED TO EXISTING ELECTRICAL PANEL – PRIME AND PAINT, V.I.F. PER LAUSD SPECIFICATIONS 09 9000

NOTE: SIGN W/ APEX LESS THAN 8'-0" IS EXEMPTED FROM THE DSA REVIEW PER APPENDIX A, A6 OF IR A – 22
TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.

2 SCALE: 1/2"=1'-0" SIGN / WRITING BOARD BACK ELEVATION

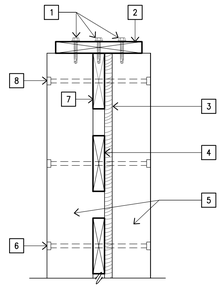


LEGEND:

1. 2" X 8" RECYCLED PVC LUMBER BOARD
2. 6" X 6" RECYCLED PVC LUMBER POST
3. SIMPSON EPB 66-12 POST BASE FOR 6"x6" – GALVANIZED
4. SD SCREW #10 X 2½" CONNECTOR SCREW, TYP. FOR 12 EACH POST
5. COMPACTED SUB GRADE MIN. 95% DENSITY
6. ← #5 BAR VERT. EQUALLY SPACED
7. #4 BAR TIES @ 8" O.C. EXCEPT AT TOP OF FOOTING WHERE NOTED 2- 1/2" O.C.
8. CONCRETE FOOTING, 4000 PSI
9. CONCRETE FINISH SURFACE, WHERE OCCURS
10. EXPANSION JOINT – TYP. WHERE CONCRETE MEETS FOOTING

NOTE: SIGN W/ APEX LESS THAN 8'-0" IS EXEMPTED FROM THE DSA REVIEW PER APPENDIX A, A6 OF IR A – 22
TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.

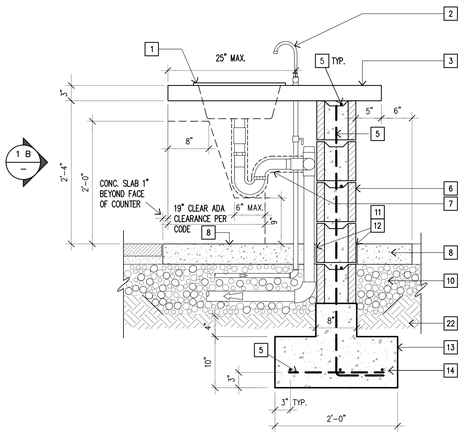
7 SCALE: 1"=1'-0" SIGN / WRITING BOARD SURFACE BASE AND FOOTING DETAIL



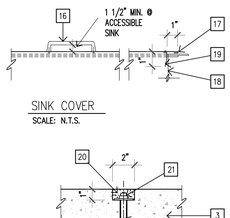
LEGEND:

1. COATED HWH #10 x 3" SCREWS, TYP.
2. 2" x 12" RECYCLED PVC LUMBER TOP RAIL
3. MAGNETIC BLACKBOARD w/ WOOD FRAME GLUED AT WRITING BOARD 1/4" PLASTIC EXTERIOR SIGN PANEL – COORDINATE WITH DISTRICT FOR VERBAGE
4. 2" x 8" RECYCLED PVC LUMBER BOARD
5. 6" x 6" RECYCLED PVC LUMBER POST
6. COUNTER SUNK 3/8" DIA. SS BOLT W/ SS WASHER AND NUT AT EACH END. PROVIDE SOLID PLASTIC PLUG TO MATCH PVC LUMBER, TYP.
7. 2" x 8" RECYCLED PVC LUMBER BOARD

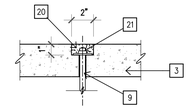
3 SCALE: 1 1/2"=1'-0" SIGN / WRITING BOARD WRITING SURFACE – SECTION DETAIL



C SECTION

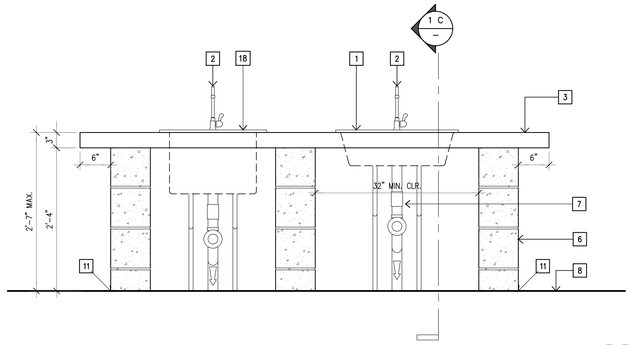


SINK COVER
SCALE: N.T.S.

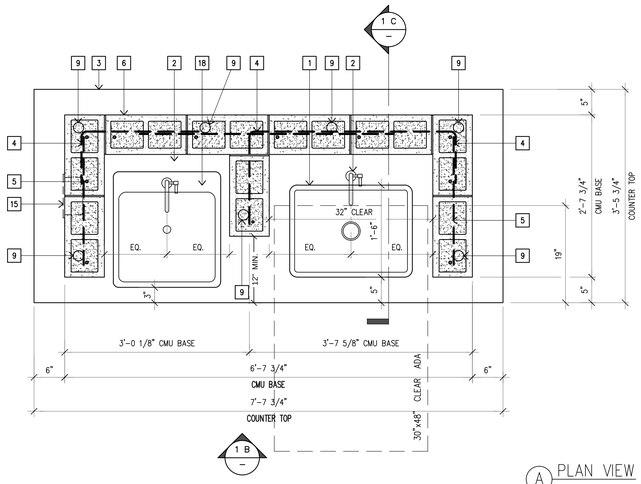


CONCRETE COUNTER ATTACHMENT
SCALE: N.T.S. (CONFIRM ATTACHMENT DETAIL WITH COUNTER MFR.)

NOTE:
SEE PLAN VIEW FOR ATTACHMENT LOCATIONS



B ELEVATION



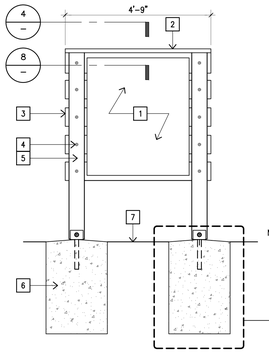
A PLAN VIEW

LEGEND:

1. 6½" DEEP ACID RESISTANT ENAMEL ON CAST IRON ADA SINK BY CECO SINKS MODEL 720 G – WHITE LITTLE CORONA W/ S.S. COVER, TYP.
2. S.S. GOOSENECK FAUCET w/ ADA WRIST HANDLE
3. 3" PRE-CAST CONCRETE COUNTERTOP BY HARD TOPIX – EDGECOMB GREY
4. 2'-0" LAP SPLICE TYP.
5. #5 @ 16" O.C. VERT. & HORIZ.
6. ASTM C90 NORMAL WEIGHT 8"x8"x16" CMU 28 DAY STRENGTH OF 2,000 PSI BY ORCO BLOCK AND HARDSCAPE, NATURAL GREY NW, BURNISH FINISH ALL EXPOSED SIDES, ASTM C476 GROUT ALL CELLS 28 DAY STRENGTH OF 2,000 PSI WITH ASTM C270, TYPE S WARM WHITE MORTAR BY ORCO BLOCK AND HARDSCAPE
7. MOULDED VINYL PIPE COVER
8. CONCRETE SLAB FINISH SURFACE/ SEE PLAN AND COORDINATE DIMENSIONS WITH SURROUNDING PAVER PATTERNS
9. CONCRETE COUNTER ATTACHMENT 3/8" DIA. HOOK ANCHOR BOLT CAST INTO CMU WALLS @ 24" O.C. (7-LOCATIONS)
10. 10" THK. MIN. GRAVEL BASE, AT DEMONSTRATION COUNTER SLAB 95% COMPACTED
11. JOINT SEALING COMPOUND @ PERIMETER
12. EXPANSION JOINT
13. CONCRETE FOOTING, MIN. 28 DAY STRENGTH OF 3,000 PSI
14. 3- #4 BAR CONT.
15. RECESSED S.S. HOSE BIB LOCKABLE BOX UNIT – SEE PLAN FOR LOCATION CENTER ON CONCRETE SEE DETAIL 7, SHEET P0.02
16. NYLON HANDLE @ CENTER OF SINK COVER PLATE w/ 1/4-20 SCREWS PER MFR.
17. 12 GA SS PLATE SINK COVER
18. 12" DEEP ACID RESISTANT ENAMEL ON CAST IRON UTILITY SINK BY CECO SINKS MODEL ST-1 ASPEN – WHITE W/ S.S. COVER
19. 18 GA SS FLANGE RIVITED TO SINK COVER PLATE
20. SOLID GROUT FILL – POLISH SMOOTH TO SUIT CONCRETE COUNTERTOP
21. NUT AND WASHER COUNTER SUNK INTO CONCRETE COUNTER
22. 95% COMPACTED SUBGRADE

NOTES:
1. PLACE REBARS AT THE CENTER OF CMU BLOCK
2. OFFSET ANCHOR BOLTS TO AVOID CONFLICT WITH REBARS, TYP.
3. REBARS A615 DEFORMED GRADE 60 OR 75 BILLET STEEL
4. TESTING & INSPECTIONS REQUIREMENTS FOR "NON BEARING, NON SHEAR SITE MASONRY WALLS" PER DSA 103 FORM
5. **TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.**

1 SCALE: 1"=1'-0" DEMONSTRATION COUNTER – ACCESSIBLE

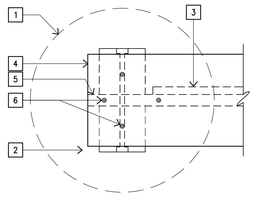


LEGEND:

1. "V4" PLASTIC EXTERIOR SIGN PANEL – COORDINATE WITH DISTRICT FOR VERBAGE
2. 2"X12" RECYCLED PVC LUMBER TOP RAIL
3. 2"X8" RECYCLED PVC LUMBER
4. COUNTER SUNK 3/8" DIA. SS BOLT W/ SS WASHER AND NUT AT EACH END. PROVIDE SOLID PLASTIC PLUG TO MATCH PVC LUMBER, TYP.
5. 6"X6" RECYCLED PVC LUMBER POST
6. CONCRETE FOOTING
7. FINISH GRADE

NOTE: 1. SIGN W/ APEX LESS THAN 8'-0" IS EXEMPTED FROM THE DSA REVIEW PER APPENDIX A, A6 OF IR A – 22
2. **TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.**

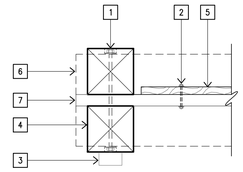
10 SCALE: 1/2"=1'-0" SIGN / WRITING BOARD FRONT ELEVATION



LEGEND:

1. 2'-0" DIA. CONCRETE FOOTING BELOW
2. 6" x 6" RECYCLED PVC LUMBER POST – BELOW
3. COUNTER SUNK 3/8" DIA. SS BOLT W/ SS WASHER AND NUT AT EACH END. PROVIDE SOLID PLASTIC PLUG TO MATCH PVC LUMBER, TYP.
4. 2" x 12" RECYCLED PVC LUMBER TOP RAIL
5. 2" x 8" RECYCLED PVC LUMBER – BELOW
6. COATED HWH #10 x 3" SCREWS CENTERED TO BOARD, TYP.

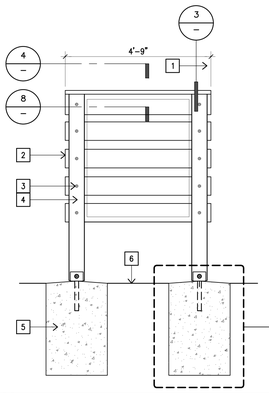
8 SCALE: 1 1/2"=1'-0" SIGN / WRITING BOARD BASE DETAIL



LEGEND:

1. COUNTER SUNK 3/8" DIA. THREADED STEEL ROD w/ METAL WASHER & NUT AT EACH END. PROVIDE SOLID PLASTIC PLUG TO MATCH PVC LUMBER, TYP.
2. MOUNTING PINS/BOLTS ATTACH TO HORIZONTAL FRAMING MIN. 4 CORNERS
3. SURFACE MTD. EXTERIOR GFCI OUTLET
4. 6" x 6" RECYCLED PVC LUMBER POST
5. MAGNETIC BLACKBOARD w/ WOOD FRAME OR REMOVABLE SIGN
6. 2" x 12" RECYCLED PVC LUMBER TOP RAIL ABOVE
7. 2" x 8" RECYCLED PVC LUMBER

4 SCALE: 1 1/2"=1'-0" SIGN / WRITING BOARD TOP DETAIL

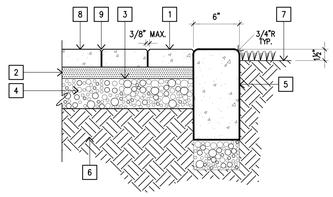


LEGEND:

1. 2"X12" RECYCLED PVC LUMBER TOP RAIL
2. 2"X8" RECYCLED PVC LUMBER
3. COUNTER SUNK 3/8" DIA. SS BOLT W/ SS WASHER AND NUT AT EACH END. PROVIDE SOLID PLASTIC PLUG TO MATCH PVC LUMBER, TYP.
4. 6"X6" RECYCLED PVC LUMBER POST
5. CONCRETE FOOTING
6. FINISH GRADE

NOTE: **TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.**

11 SCALE: 1/2"=1'-0" SIGN / WRITING BOARD BACK ELEVATION

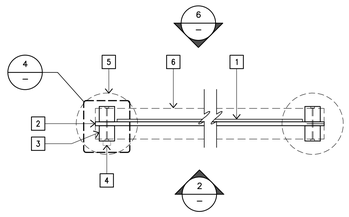


LEGEND:

1. CONCRETE PAVER ALONG BORDER 2⅜" (60MM) THICK – FASTENED TO CONCRETE SLAB W/ POLYMER ADHESIVE
2. 2" LEVELING COURSE, CRUSHED STONE ASTM NO. 8
3. GEOTEXTILE – TURN UP AGAINST CONCRETE MOW STRIP MIRAFI 140 N
4. 95% COMPACTED 4" DEEP ¾" CRUSHED AGGREGATE BASE OVER 95% COMPACTED SUBGRADE
5. CONCRETE HEADER – FOR DETAIL and REINFORCING, SEE CIVIL 6/C – 5.0
6. COMPACTED SUBGRADE PER CIVIL PLANS
7. FINISH GRADE
8. CONCRETE PAVERS – FILL INSIDE CONCRETE BORDER
9. PERMEABLE JOINT MATERIAL CRUSHED STONE ASTM NO. 8

NOTE:
1. SEAL PAVERS AND JOINTS WITH PERMEABLE STABILIZING SEALER BY B.P.PRO
2. **TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.**

9 SCALE: 1 1/2"=1'-0" PAVERS



LEGEND:

1. MAGNETIC BLACKBOARD w/ WOOD FRAME AT WRITING BOARD and 1/4" PLASTIC EXTERIOR SIGN PANEL – COORDINATE WITH DISTRICT FOR VERBAGE
2. 2"x8" RECYCLED PVC LUMBER
3. 6"x6" RECYCLED LUMBER POST
4. SURFACE MTD. EXTERIOR GFCI OUTLET
5. CONCRETE FOOTING BELOW
6. 2"x12" RECYCLED PVC LUMBER TOP RAIL ABOVE

5 SCALE: 1/2"=1'-0" SIGN / WRITING BOARD PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS
100 West Villa Street
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www.pbws.com

CONSULTANT

LandShapes
2029 Verdugo Bl.
Suite 1020
Montrose
California 91020
818/249-6900

STAMPS/SEALS

LICENSED ARCHITECT – CRISTIN L. KINSEY – LICENSE NO. C-28033 – RENEWS 6-30-27 – STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT – CINDY LEE – LICENSE NO. 3944 – EXP. 6/30/25 – STATE OF CALIFORNIA

DSA BACK CHECK	09/26/2025

SHEET TITLE:

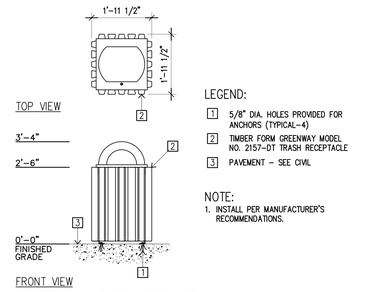
LANDSCAPE CONSTRUCTION DETAILS

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	OMG	CHECKED:	CL

SHEET NUMBER:

L-5.00

DATE: 6/13/2025



INCLUDES 36-GALLON RECYCLED PLASTIC LINER.

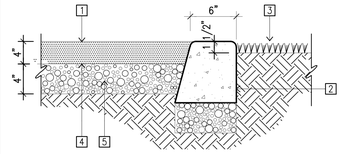
LEGEND:

1. 5/8" DIA. HOLES PROVIDED FOR ANCHORS (TYPICAL-4)
2. TIMBER FORM GREENWAY MODEL NO. 2157-DT TRASH RECEPTACLE
3. PAVEMENT - SEE CIVIL

NOTE:

1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

4 SCALE: 1/2"=1'-0" TRASH RECEPTACLE



LEGEND:

1. STABILIZED DECOMPOSED GRANITE COMPACTED TO 95%
2. CONCRETE HEADER, FOR DETAIL and REINFORCING SEE CIVIL 8/C-5.0
3. TURF OR PLANTER AREA
4. WEED BARRIER
5. 95% COMPACTED 4" DEEP ¾" CRUSHED AGGREGATE BASE OVER COMPACTED NATURAL SOIL

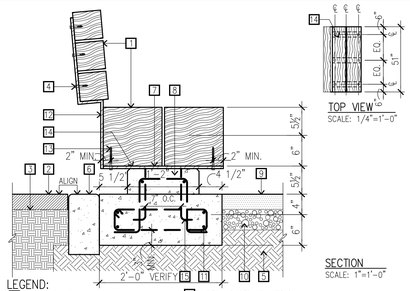
NOTE: TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.

1 SCALE: 1 1/2"=1'-0" DECOMPOSED GRANITE PAVING

16 SCALE: NONE NOT USED

12 SCALE: NONE NOT USED

8 SCALE: NONE NOT USED

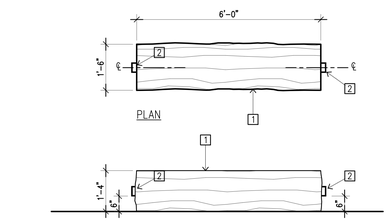


LEGEND:

1. WOOD BENCH SYSTEM PER PLAN
2. MULCH
3. AMENDED PLANTING SOIL
4. 3/8" DIA. x 3" LAG SCREW
5. COMPACTED SUBGRADE PER CIVIL PLANS
6. CONCRETE HEADER - SEE CIVIL PLAN
7. BENT #4 STEEL BAR @ 8" O.C.
8. CONCRETE FOOTING FULL LENGTH OF BENCH, W/ ¾" CHAMFER 3,500 PSI
9. DECOMPOSED GRANITE PAVING - SEE DETAIL 1 / L-5.01
10. 95% COMPACTED 4" DEEP ¾" CRUSHED AGGREGATE BASE OVER 95% COMPACTED SUBGRADE
11. #4 CONTINUOUS STEEL BAR, TYP. FOR 6
12. BACKSEAT BRACKET PER MANUFACTURER
13. ½" LAG BOLT WITH MIN. 6" EMBED., TYP.
14. 4" WIDE x ¼" THK. STEEL PLATE AT 24" O.C. MAX. ADJUST EXACT LOCATION IN FIELD TO AVOID CONFLICT WITH MANUFACTURER'S BRACKET
15. ⅝"Ø ROD, 10"EMBED.,W/ HOOKED END WELDED TO UNDERSIDE STEEL PLATE WITH ¼" FILLET ALL AROUND.

NOTE: TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.

5 SCALE: AS NOTED BENCH



LEGEND:

1. DOUGLAS FIR LOG BENCH. PLANE TOPS AND BOTTOMS SAND SEAT TOPS AND BOTTOMS. WIRE BRUSH SIDES TO REMOVE SPLINTERS SEAL ALL SIDES WITH ANCHOR SEAL OR EQUAL
2. FOLDABLE STEEL HANDLE GRAINGER MODEL 1WA01 OR EQUAL. USE #12x2" FLAT WOOD SCREWS TO MOUNT HANDLES. POLISHED ZINC FINISH.

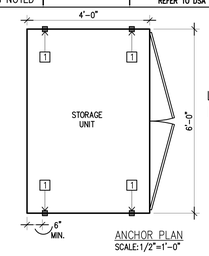
NOTE: MOVEABLE LOG BENCH AVAILABLE FROM ANGEL CITY LUMBER, LOS ANGELES

2 SCALE: 1/2"=1'-0" MOVEABLE LOG BENCH

17 SCALE: NONE NOT USED

13 SCALE: NONE NOT USED

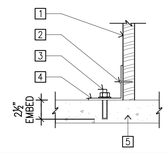
9 SCALE: NONE NOT USED



ANCHOR PLAN
SCALE:1/2"=1'-0"

LEGEND:

1. ANCHOR STORAGE UNIT TO CONCRETE SLAB AT EACH CORNER

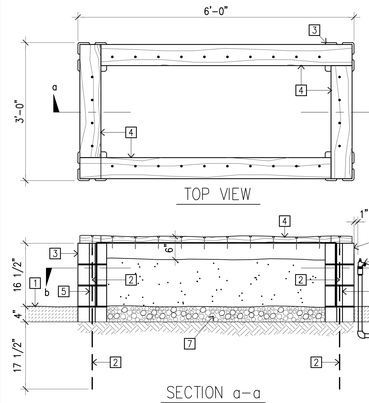


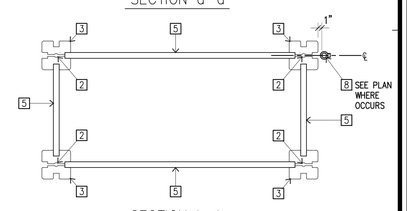
LEGEND:

1. OUTDOOR STORAGE UNIT PER MFG.
2. (2) HEX WASHER HEAD COATED #10 X 1-1/2" STAINLESS STEEL WOOD SCREWS, MIN. 1" EMBED
3. (2) ⅜" HILTIKB-TZ2 PER ANCHOR POINT (ICCES-ESR-4266) WITH 2½" EMBEDMENT
4. L ANGLE, L3X3X¼ ASTM A36, POWDER COATED
5. 4" SLAB, S.C.D.

ANCHOR DETAIL
SCALE: 1 1/2"=1'-0"

6 SCALE: AS NOTED OUTDOOR STORAGE UNIT ANCHOR DETAIL





LEGEND:

1. DECOMPOSED GRANITE SEE DETAIL 1 / L-5.01
2. #5 x 36" LONG REBAR
3. CONCRETE PLANTER WALL BLOCK BY OLDCASTLE PRE CAST - TAN BROWN 7.5" x 7.5" x 5.5" HIGH
4. 2" x 6" WESTERN RED CEDAR CLEAR CAP, S4S, T&G, CUT TO SIZE
5. 2" x 6" WESTERN RED CEDAR CLEAR, S4S, T&G, SIDE WALL STACKED 3 HIGH
6. RAISED BED SOIL BY MIRACLE GRO OR EQUAL
7. 3/4" CAB COMPACTED TO 90% OVER 90% COMPACTED SUBGRADE
8. HOSE BIBB - SEE 7 / L-6.00

NOTES:

1. APPLY TWO COATS CLEAR ANCHOR SEAL TO ALL BOARD ENDS
2. FACTORY FINISH SEAL ALL WOOD
3. SECURE WOOD CAP TO SIDEWALLS WITH #10 X 3" COUNTERSUNK #304 STAINLESS STEEL WOOD SCREWS RECESSED WITH WOOD PLUG @ 6" O.C.

3 SCALE: 3/4"=1'-0" RAISED PLANTER BED

18 SCALE: NONE NOT USED

14 SCALE: NONE NOT USED

10 SCALE: NONE NOT USED

7 SCALE: NONE NOT USED

19 SCALE: NONE NOT USED

15 SCALE: NONE NOT USED

11 SCALE: NONE NOT USED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL

1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

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100 West Villa Street
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2029 Verdugo Bl.
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818/249-6900

STAMPS/SEALS

LICENSED ARCHITECT — KRISTIN L. POMEROY — LIC. C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT — CYNTHIA — No. 2524 — Exp. 6/30/26 — STATE OF CALIFORNIA

DSA BACK CHECK 09/26/2025

SHEET TITLE:

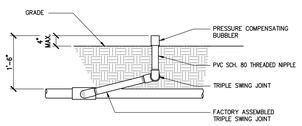
LANDSCAPE CONSTRUCTION DETAILS

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	OMG	CHECKED:	CL

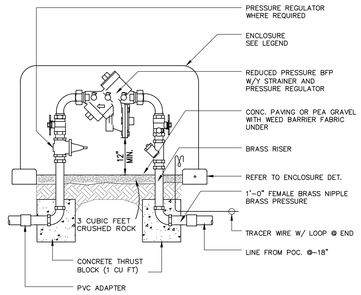
SHEET NUMBER:

L-5.01

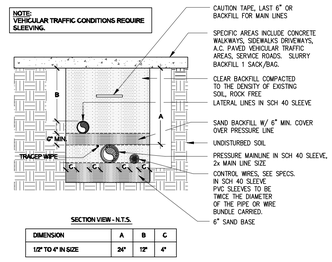
DATE: 6/13/2025



17 SCALE: NONE — PRESSURE COMPENSATING BUBBLER AT RAISED PLANTER

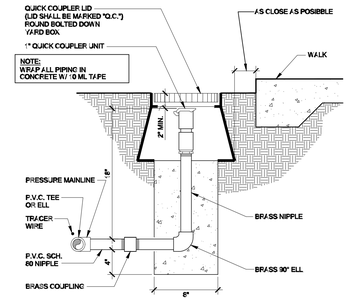


13 SCALE: NONE — REDUCED PRESSURE BACKFLOW PREVENTER – THREADED

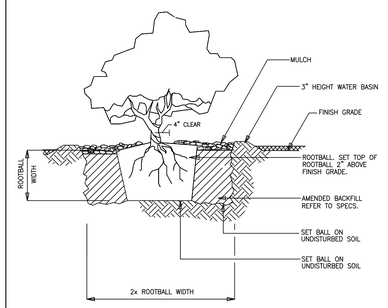


DIMENSION	A	B	C
1/2" TO 4" IN SIZE	24"	12"	4"

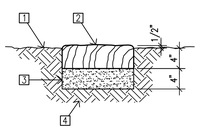
9 SCALE: NONE — TRENCH DETAIL (PAVED & SPECIFIC AREAS)



5 SCALE: NONE — QUICK COUPLER

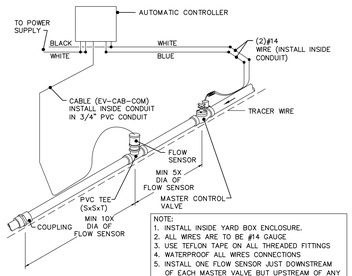


1 SCALE: 1 1/2"=1'-0" — SHRUB PLANTING



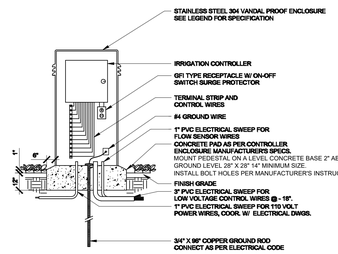
1. FINISH SURFACE / TOP OF MULCH
2. 14" DIA. x 4" THICK CEDAR ROUND BARK ON
3. PLASTERS SAND
4. 90% COMPACTED SUBGRADE

18 SCALE: NONE — CEDAR ROUND

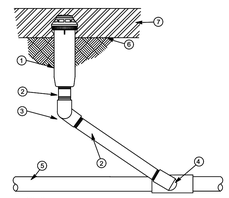


NOTE:
1. INSTALL INSIDE YARD BOX ENCLOSURE.
2. ALL WIRES ARE TO BE #14 GAUGE
3. USE TEFLON TAPE ON ALL THREADED FITTINGS
4. WATERPROOF ALL WIRES CONNECTIONS.
5. INSTALL ONE FLOW SENSOR JUST DOWNSTREAM OF EACH MASTER VALVE BUT UPSTREAM OF ANY VALVES. FLOW SENSORS SHOULD BE INSTALLED AT LEAST TEN TIMES THE DISTANCE OF THE PIPE DIAMETER DOWNSTREAM OF THE MASTER VALVE WITH AN ADDITIONAL FIVE PIPE DIAMETER DISTANCE BETWEEN THE FLOW SENSOR AND ANY ADDITIONAL HARDWARE.

14 SCALE: NONE — MASTER CONTROL VALVE AND FLOW SENSOR



10 SCALE: NONE — CONTROLLER



LEGEND:
1. POP-UP SPRINKLER.
2. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED).
3. PVC SCH 80 ELL, FITP X FITP
4. PVC SCH 80 TRIPLE SWING JOINT WITH MARLEX AT BOTH ENDS (SEE NOTES BELOW).
5. PVC LATERAL PIPE.
6. FINISH GRADE.
7. MULCH, WHERE OCCURS.

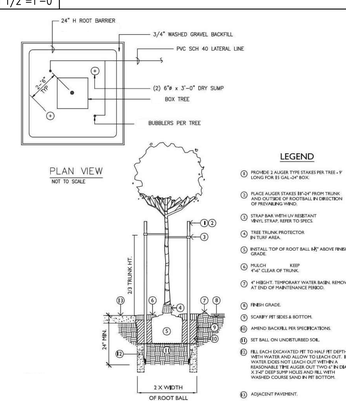
NOTES:
1. IRRIGATION HEADS SHALL HAVE TRIPLE SWING JOINT RISER ASSEMBLIES.

✳ ALL SWING JOINTS SHALL BE PLACED IN A THREAD-LOCK POSITION.

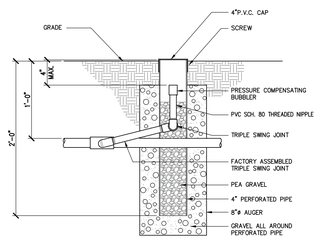
NOTES:
MODEL WATER EFFICIENT LANDSCAPE ORDINANCE REQUIRES OVERHEAD IRRIGATION TO BE MORE THAN 24 INCHES FROM ANY NON-PERMEABLE SURFACES. THIS RESTRICTION MAY BE MODIFIED PROVIDED ONE OF THE FOLLOWING CONDITIONS IS MET:
1. THE LANDSCAPE AREA IS ADJACENT TO PERMEABLE SURFACING AND NO RUNOFF OCCURS; OR
2. THE ADJACENT NON-PERMEABLE SURFACES ARE DESIGNED AND CONSTRUCTED TO DRAIN ENTIRELY TO LANDSCAPING; OR
3. THE IRRIGATION DESIGNER SPECIFIES AN ALTERNATIVE DESIGN OR TECHNOLOGY, ACCEPTABLE TO THE DISTRICT, AS PART OF THE LANDSCAPE DOCUMENTATION PACKAGE AND CLEARLY DEMONSTRATES STRICT ADHERENCE TO THE IRRIGATION SYSTEM DESIGN CRITERIA SECTION OF THE ORDINANCE. PREVENTION OF OVERSPRAY AND RUNOFF MUST BE CONFIRMED DURING THE IRRIGATION AUDIT.

PROVIDED THE APPLICABLE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE REQUIREMENTS ARE MET, INSTALL SPRINKLER HEADS AS FOLLOWS:
6" FROM PAVING EDGE IN GROUND COVER AREAS.
4" FROM PAVING EDGE IN TURF AREAS.
INSTALL SPRINKLER HEADS PLUMB, ADJUST SPRAYS OR NOZZLE STREAM TO COVER LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

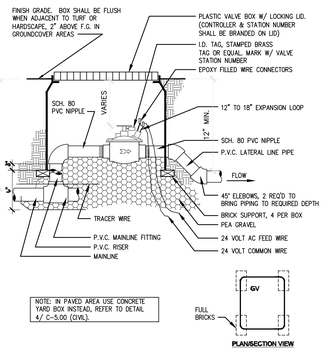
6 SCALE: NONE — POP-UP SPRINKLER



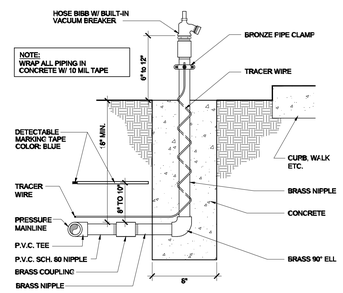
2 SCALE: NONE — TREE PLANTING / STAKING



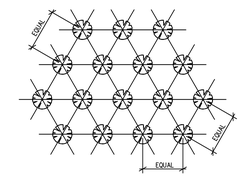
19 SCALE: NONE — NOT USED



11 SCALE: NONE — REMOTE CONTROL VALVE



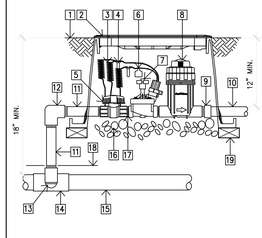
7 SCALE: NONE — HOSE BIBB



ALL GROUND COVER TO BE PLANTED AT EQUAL SPACING (TRIANGULAR) PER G.C. SPACING ON PLANS PLANTS AT EDGES SHALL BE PLACED ONE FULL ON CENTER SPACING FROM PAVING and HEADERS

3 SCALE: NONE — GROUND COVER PLANTING

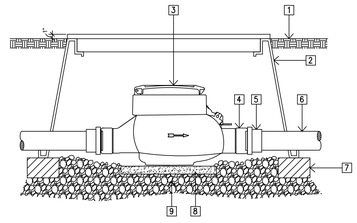
20 SCALE: NONE — NOT USED



NOTE:
1. VALVE BOXES TO BE SET 18" FROM CURB OR SIDEWALK. TOP OF BOX TO BE 1" ABOVE FINISH MULCH.

1. FINISH GRADE/TOP OF MULCH – BOX SHALL BE 2" ABOVE F.G. IN GROUNDCOVER AREA
2. PLASTIC VALVE BOX WITH LOCKING LID (CONTROLLER AND STATION NUMBER SHALL BE BRANDED ON LID)
3. 12"–18" EXPANSION LOOP
4. EPOXY FILLED WIRE CONNECTORS
5. 1–INCH BALL VALVE (INCLUDED IN XCZ–PRB–100–COM KIT)
6. ID TAG STAMPED BRASS TAG OR EQUAL W/ VALVE STATION NUMBER
7. REMOTE CONTROL VALVE: RAIN BIRD PESB (INCLUCED IN XCZ–075–PRF KIT)
8. PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB–QKCHK–100 (INCLUDED IN XCZ–PRB–100–COM KIT)
9. PVC SCH 40 FEMALE ADAPTOR
10. PVC LATERAL PIPE
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 40 ELL
13. PVC SCH 80 NIPPLE (2–INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
14. PVC SCH 40 TEE OR ELL
15. MAINLINE PIPE
16. PEA GRAVEL
17. PVC SCH 80 NIPPLE, CLOSE (INCLUDED IN XCZ–075–PRF KIT)
18. TRACER WIRE
19. BRICK SUPPORT – 4 PER BOX

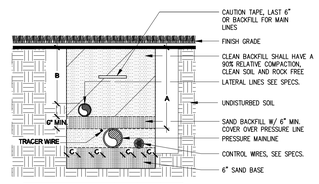
16 SCALE: NONE — REMOTE CONTROL VALVE FOR LOW FLOW BUBBLER



NOTES:
1. STRAIGHT PIPE REQUIREMENT
2. INSTALL AIR VENT UPSTREAM OF WATER METER

1. FINISH GRADE
2. RECTANGULAR PLASTIC VALVE BOX WITH LOCKING LID
3. WATER METER
4. UNION NUT
5. 1" PVC MIPT ADAPTOR
6. 1" SCH. 80 PVC PIPE
7. BRICK SUPPORT
8. CONCRETE PAVER
9. 1/2" CRUSHED GRAVEL

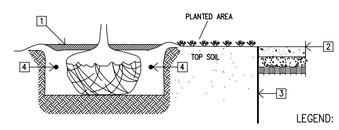
12 SCALE: NONE — WATER METER



DIMENSION	A	B	C
1/2" TO 2-1/2" IN SIZE	24"	12"	4"
3" TO 6" IN SIZE	24"	12"	4"

SECTION VIEW - N.T.S.

8 SCALE: NONE — WATER METER



NOTES:
1. DEEPROOT BARRIER BY DEEPROOT CORPORATION OR EQUAL.
2. INSTALL 24" DEEPROOT BARRIER AT BACK OF ALL PAVED SURFACES WITHIN 5' OF TREE TRUNKS. ROOT BARRIERS SHALL BE INSTALLED 1/2" ABOVE FINISH GRADE OF MULCH/TOPDRESSING AND EXTEND A MINIMUM OF 10' ALONG ALL PAVED SURFACES FROM CENTER OF TREE TRUNK IN BOTH DIRECTIONS.

LEGEND:
1. TREE PIT WITH MOUNDED EARTH DAM
2. FINISH SURFACE
3. DEEPROOT BARRIER #UB 24-2
4. AGRIFORM TABLET

4 SCALE: NONE — DEEP ROOT BARRIER

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
1942 E. 2ND STEET
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COMMISSIONED ARCHITECT

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CONSULTANT

LandShapes
2029 Verdugo Bl.
Suite 1020
Montrose
California 91020
818/249-6900

STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN L. PENNER — No. C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED LANDSCAPE ARCHITECT — CYNTHIA LAPOINTE — No. 2524 — Exp. 6/30/26 — STATE OF CALIFORNIA

DSA BACK CHECK 09/26/2025

SHEET TITLE:

PLANTING & IRRIGATION DETAILS

PROJECT NO.: 23012.00	PROJECT ARCH: KB
DRAWN: OMG	CHECKED: CL

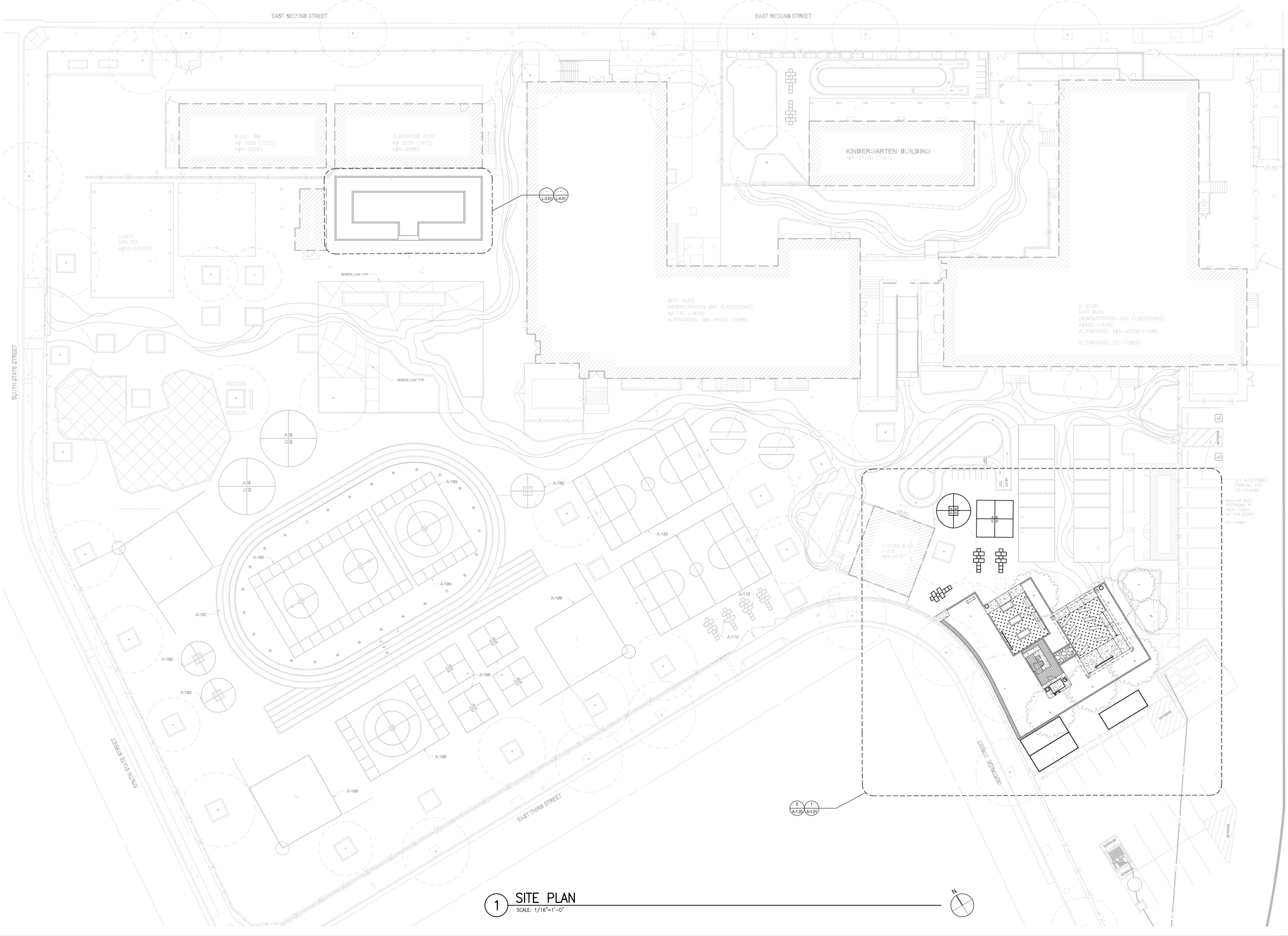
SHEET NUMBER:

L-6.00

DATE: 6/13/2025

GENERAL NOTES

1. PROTECT EXISTING ITEMS TO REMAIN; ANY EXISTING ITEMS DISTURBED SHALL BE PATCHED AND REPAIRED TO MATCH ORIGINAL (N) CONDITION.



1 SITE PLAN
SCALE: 1/16"=1'-0"

N

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DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

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LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

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LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
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PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
AUSTYN W. MOSELEY
No. C-36000
RENEWS 6-30-27
STATE OF CALIFORNIA

DSA BACK CHECK	09/26/2025

SHEET TITLE:

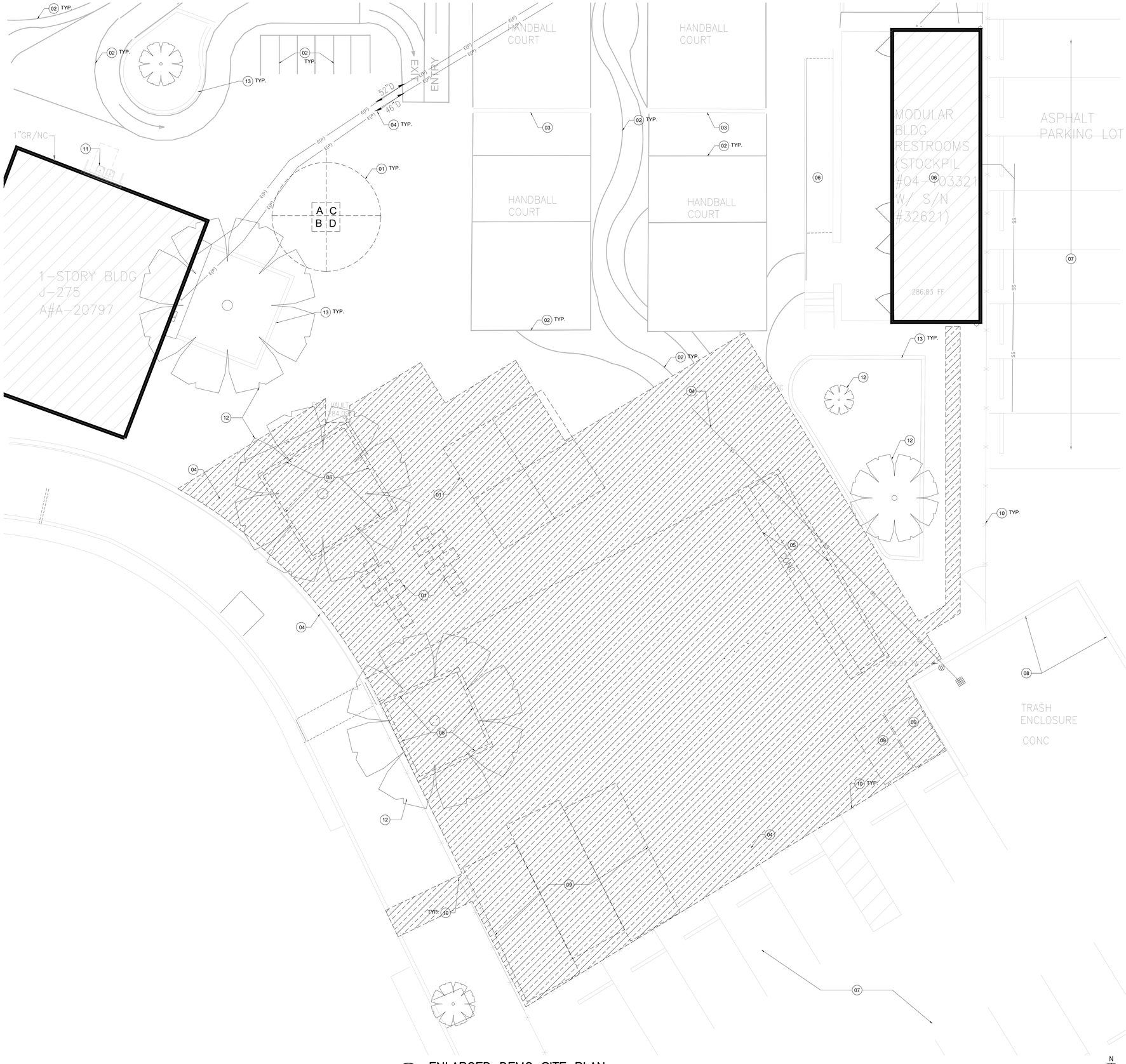
SITE PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JA/MM	CHECKED:	AWM

SHEET NUMBER:

A-1.00

DATE: 6/13/2025



2 ENLARGED DEMO SITE PLAN

SCALE: 3/16"=1'-0"

GENERAL NOTES

1. PROTECT EXISTING ITEMS TO REMAIN; ANY EXISTING ITEMS DISTURBED SHALL BE PATCHED AND REPAIRED TO MATCH ORIGINAL (N) CONDITION.
2. PROTECT EXISTING COLOR ASPHALT SURFACE.
3. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
4. REFER TO CIVIL DRAWINGS FOR EXTENTS OF PAVEMENT DEMOLITION AND CONSTRUCTION.

LEGEND

APPROXIMATE 2" THICK A.C. PAVING OVER APPROXIMATE 4" AGGREGATE BASE TO BE DEMOLISHED AND REMOVED.

ITEMS TO BE REMOVED

DEMOLITION ITEMS

DEMOLISH AND/OR REMOVE THE FOLLOWING, UN.O.:

01 REMOVE PLAY STRIPPING.

02 (E) PLAY STRIPPING TO BE PROTECT IN PLACE.

03 (E) HAND BALL WALL TO BE PROTECTED IN PLACE.

04 (E) UNDERGROUND UTILITY TO BE ADJUSTED AS REQUIRED PER CIVIL.

05 (E) CONCRETE PLANTER TO BE REMOVED

06 (E) RESTROOMS AND RAMP/STAIR TO BE PROTECTED IN PLACE.

07 (E) PARKING LOT TO BE PROTECTED IN PLACE.

08 (E) TRASH INCLOSURE TO BE PROTECTED IN PLACE.

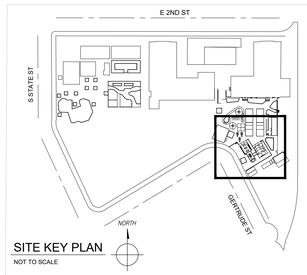
09 (E) METAL STORAGE CONTAINERS TO BE REMOVED AND SALVAGED.

10 (E) SITE FENCE TO BE PROTECTED IN PLACE.

11 (E) COMPLIANT HIGH LOW D.F., FURRED WALL AND WING GUARD TO BE PROTECTED IN PLACE.

12 (E) TREE TO BE PROTECTED IN PLACE, AS DIRECTED BY THE DISTRICT.

13 (E) CONCRETE PLANTER BOX TO BE PROTECTED IN PLACE.



SITE KEY PLAN
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL

1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
AUSTYN W. MOHEAU
C-36535
RENEWS: 6-30-27
STATE OF CALIFORNIA

DSA BACK CHECK	12/10/2025

SHEET TITLE:

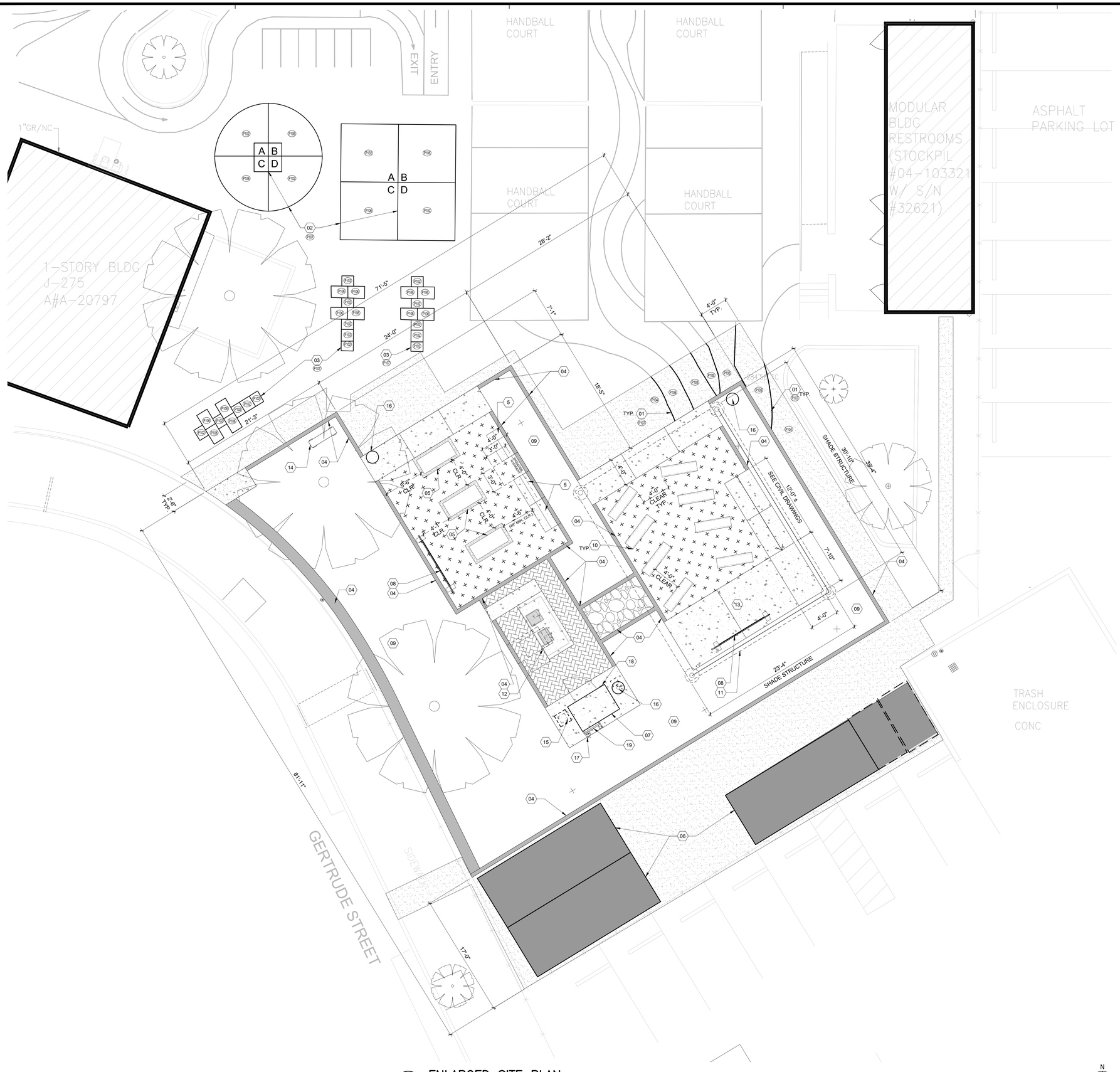
ENLARGED DEMO SITE PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JA/MM	CHECKED:	AWM

SHEET NUMBER:

A-1.20

DATE: 12/10/2025



1 ENLARGED SITE PLAN

SCALE: 3/16"=1'-0"

N

GENERAL NOTES

1. PROTECT EXISTING ITEMS TO REMAIN; ANY EXISTING ITEMS DISTURBED SHALL BE PATCHED AND REPAIRED TO MATCH ORIGINAL (N) CONDITION.
2. RE-STRIPE EXISTING PLAY AREA AS REQUIRED. CONFIRM LOCATION WITH DISTRICT/SCHOOL.
3. ALL WALKWAYS SHALL BE CONSTRUCTED WITH A MAXIMUM CROSS SLOPE OF 1.5% AND RUNNING SLOPES SHALL NOT EXCEED 4.5%. ARCHITECT IS TO BE NOTIFIED OF ANY ITEMS IN THE PLANS THAT CONNOT MEET THESE REQUIREMENTS BEFORE WORK IS PERFORMED.
4. SEE LANDSCAPE STAKING PLAN FOR DIMENSIONS OF NEW WORKS. SEE CIVIL GRADING PLAN FOR ELEVATIONS.

LEGEND

- NEW ASPHALT PER CIVIL C-3.0; 2/C-5.0
- NEW CONCRETE PAVEMENT PER CIVIL C-3.0; 1, 1/C-5.0
- CONCRETE HEADER/ MOWING STRIP PER CIVIL C-3.0; 6, 8, 9/C-5.0
- CONCRETE PERMEABLE PAVERS PER LANDSCAPE. PAVER TO HEADER TRANSITION PER 9/L-5.0
- CORSIA FLAGSTONE PAVERS PER LANDSCAPE. PAVER TO HEADER TRANSITION PER 9/L-5.0
- DECOMPOSED GRANITE PER LANDSCAPE. DG TO HEADER TRANSITION PER 10/L-5.1

CONSTRUCTION ITEMS

CONSTRUCT/PROVIDE/INSTALL THE FOLLOWING:

01. SITE MARKING TO ALIGN WITH THE (E) MARKING, SEE FINISH SCHEDULE
02. PLAY AREA STRIPING PER FINISH LEGEND. REFER TO 3B,3C/A-7.00
03. HOPSCOTCH PER FINISH LEGEND. REFER TO 3A/A-7.00
04. CONCRETE HEADER / MOW STRIP. REFER TO CIVIL GRADING PLAN, C-3.0
05. SITE FURNISHINGS. REFER TO LANDSCAPE DRAWINGS.
06. SALVAGED METAL STORAGE CONTAINERS
07. STORAGE UNIT. REFER TO LANDSCAPE DRAWINGS.
08. WRITING SURFACE. REFER TO LANDSCAPE DRAWINGS.
09. PLANTING AREA. REFER TO LANDSCAPE DRAWINGS.
10. MOVEABLE LOG BENCH. REFER TO LANDSCAPE DRAWINGS.
11. CANOPY. REFER TO PRE-CHECK DOCUMENTS, USA SHADE & FABRIC STRUCTURES INC., 03-125303:PC# 04-123501. NOTE: TESTING & INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.
12. DEMONSTRATION COUNTER. REFER TO LANDSCAPE DRAWINGS.
13. CONCRETE PLATFORM. REFER TO CIVIL GRADING PLAN C-3.0
14. SITE SIGNAGE. REFER TO LANDSCAPE DRAWINGS.
15. TRASH RECEPTACLE, REFER TO LANDSCAPE DRAWINGS.
16. LIGHT POLE WITH INTEGRATED POWER OUTLET; REFER TO ELECTRICAL ENLARGED SITE PLAN, SHEET E2.01 & FIXTURE LIST
17. FIRE EXTINGUISHER CABINET PER DETAIL 4/A-7.00
18. ASSISTIVE LISTENING SIGNAGE PER DETAIL 1/A-7.00
19. UTILITY RACK PER DETAIL 2/A-7.00

FINISH LEGEND

P102 PAINT
MANUFACTURER: GAF STREET BOND
COLOR: EVERGREEN
MATERIAL: SB 120 SOLAR REFLECTIVE SURFACE
FINISH: FLAT

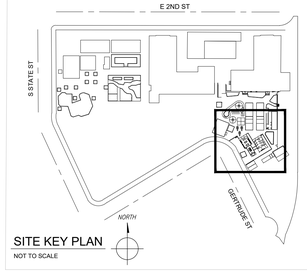
P103 PAINT
MANUFACTURER: GAF STREET BOND
COLOR: SAFETY BLUE
MATERIAL: SB 120 SOLAR REFLECTIVE SURFACE
FINISH: FLAT

P105 PAINT
MANUFACTURER: GAF STREET BOND
COLOR: TERRA COTTA
MATERIAL: SB 120 SOLAR REFLECTIVE SURFACE
FINISH: FLAT

P107 PAINT
MANUFACTURER: GAF STREET BOND
COLOR: FAWN
MATERIAL: SB 120 SOLAR REFLECTIVE SURFACE
FINISH: FLAT

P108 PAINT
MANUFACTURER: GAF STREET BOND
COLOR: KHAKI
MATERIAL: SB 120 SOLAR REFLECTIVE SURFACE
FINISH: FLAT

P109 STRIPING PAINT ON PLAYCOURTS
MANUFACTURER: VISTA OR EQUAL
COLOR: WHITE STRIPPING
MATERIAL: TRAFFIC PAINT
FINISH: FLAT



SITE KEY PLAN

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
AUSTIN W. BOWEN
No. C36535
RENEWS 6-30-27
STATE OF CALIFORNIA

DSA BACK CHECK	12/10/2025

SHEET TITLE:

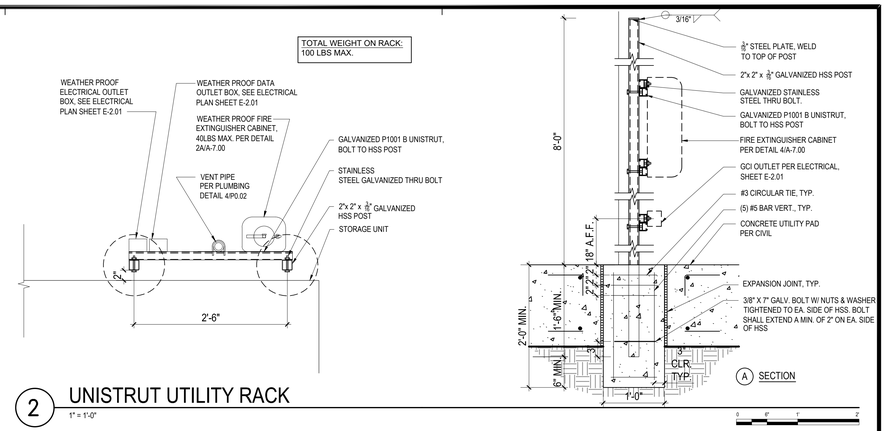
ENLARGED SITE PLAN

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JA/MM	CHECKED:	AWM

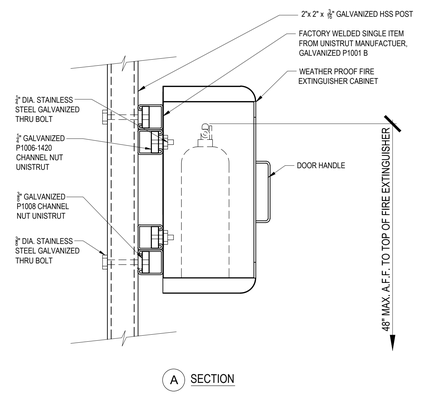
SHEET NUMBER:

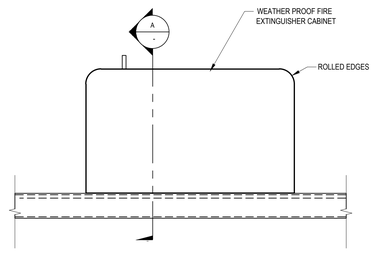
A-1.21

DATE: 12/10/2025

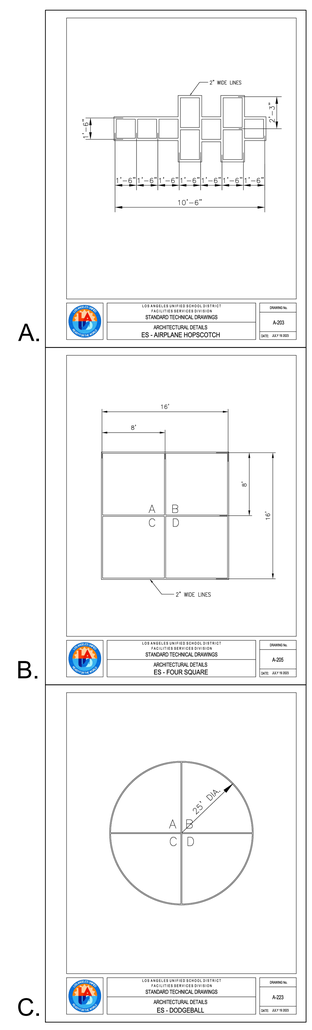


2 UNISTRUT UTILITY RACK
1" = 1'-0"

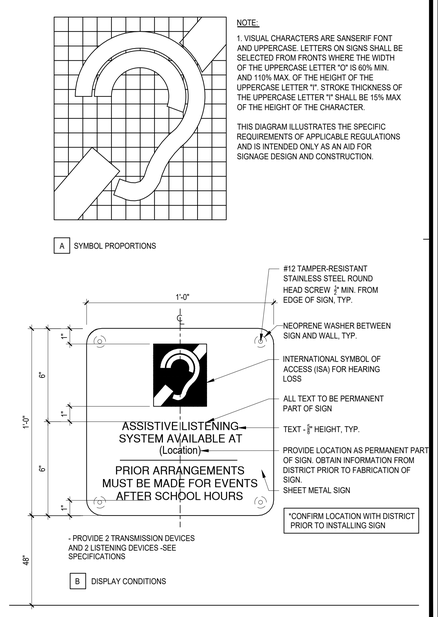




4 FIRE EXTINGUISHER CABINET
1" = 1'-0"



3 PLAY STRIPPING
NO SCALE



1 ASSISTIVE LISTENING SIGNAGE
NO SCALE

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SS ☑ FLS ☑ ACS ☑
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03-125303

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AUSTIN L. BOWEN
LIC. NO. C36535
RENEWS 6-30-27
STATE OF CALIFORNIA

DSA BACK CHECK	09/26/2025

SHEET TITLE:

DETAILS

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JA/MM	CHECKED:	AWM

SHEET NUMBER:

A-7.00

DATE: 6/13/2025

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	POC	POINT OF CONNECTION
	EX	EXISTING TO REMAIN (SHOWN LIGHT)
	R	EXISTING TO BE REMOVED (EQUIPMENT OR PIPING)
	W OR SS	WASTE OR SANITARY SEWER PIPING ABOVE GRADE
	W OR SS	WASTE OR SANITARY SEWER PIPING BELOW GRADE
	V	SANITARY VENT PIPING
IW	IW	INDIRECT WASTE PIPING
SD	SD	STORM DRAIN PIPING ABOVE GRADE OR FLOOR
SD	SD	STORM DRAIN PIPING BELOW GRADE OR FLOOR
OSD	OSD	OVERFLOW STORM DRAIN PIPING
CD	CD	CONDENSATE DRAIN PIPING (AIR CONDITIONING)
CW	CW	COLD WATER PIPING
HW	HW	HOT WATER PIPING
HWR	HWR	HOT WATER RECIRCULATING PIPING
TP	TP	TRAP PRIMER LINE PIPING
G	G	GAS PIPING (0" W.C. TO 14" W.C.)
MPG	MPG	MEDIUM PRESSURE GAS PIPING (15" W.C. TO 5 PSI)
	GV	GATE VALVE
	BLV	BALANCING VALVE
	BV	BALL VALVE
	PRV	PRESSURE REDUCING VALVE
	PV	PLUG VALVE
	PRV	PRESSURE REDUCING VALVE
	GPR	GAS PRESSURE REGULATOR
	CV/BWV	CHECK VALVE/BACKWATER VALVE
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
	P&TRV	PRESSURE & TEMPERATURE RELIEF VALVE
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	GCO	GRADE CLEANOUT IN YARD BOX
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	HB	HOSE BIBB
	TP	TRAP PRIMER
	TH	THERMOMETER
	WHA `X'	WATER HAMMER ARRESTER (P.D.I. SIZE)
	U	UNION
		CAPPED PIPE END (DRIP LEG)
	DN	PIPE TURNING DOWN
	UP	PIPE TURNING UP
		VALVE ON RISE OR DROP
	WM	WATER METER
	VTR	VENT THRU ROOF
	AP	ACCESS PANEL
		TEST PLUG
	B/G	BELOW GRADE
	CFH	CUBIC FEET PER HOUR
	DFU	DRAINAGE FIXTURE UNITS
	ET	EXPANSION TANK
	FF	FINISHED FLOOR
	FPS	FEET PER SECOND
	FVFU	FLUSH VALVE FIXTURE UNIT
	FTFU	FLUSH TANK FIXTURE UNIT
	GPF	GALLONS PER FLUSH
	GPM	GALLONS PER MINUTE
	IE	INVERT ELEVATION
	L	LAVATORY
	TYP	TYPICAL
	U	URINAL
	VTR	VENT THRU ROOF
	V/PH/Hz	VOLTS/PHASE/HERTZ
	WC	WATER CLOSET
	WH	WATER HEATER
	WSFU	WATER SUPPLY FIXTURE UNITS

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. `PERMANENTLY ATTACHED' SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☒ E ☐ - OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

FIXTURES

FIXTURES:

1. ALL FIXTURES SHALL BE NEW, APPROVED, FREE FROM FLAWS AND BLEMISHES WITH CLEAR AND CLEAN FINISHED SURFACES.
2. FOR FIXTURE LOCATIONS SEE ARCHITECTURAL PLANS.
3. PROVIDE ANGLE STOPS AT HOT AND COLD WATER SUPPLIES TO EACH FIXTURE. STOPS SHALL BE LOOSE KEY QUARTER TURN STOP, BRASS BALL AND STEM WITH POLISHED CHROME-PLATED BRASS ESCUTCHEONS. BRASSCRAFT, NIBCO OR EQUAL.
4. ALL PLUMBING FIXTURES SHOWN ON DRAWINGS AND AS LISTED ON THE DRAWING FIXTURE SCHEDULE SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FIXTURES AND TRIM SHALL BE PROPERLY ANCHORED AND CAULKED ALONG ALL JOINTS.
5. ALL WALL PENETRATIONS SHALL BE PROVIDED WITH POLISHED CHROME-PLATED CAST BRASS WALL ESCUTCHEONS.
6. FIXTURE TRAPS ABOVE FLOOR SHALL BE CHROME PLATED "P" TRAPS WITH BRONZE NUTS UNLESS OTHERWISE INDICATED. TRAP ARMS SHALL BE 17 GAUGE CHROME-PLATED BRASS.
7. PROVIDE BALL VALVE(S) WITH LOCKABLE STAINLESS STEEL ACCESS PANEL.

PIPING NOTES

PIPING:

1. ALL PIPE SUPPORTS, CLAMPS, HANGERS AND BRACKETS SHALL HAVE INTEGRAL NOISE ISOLATORS. PENETRATIONS OF ANY UNRATED FRAMING OR STRUCTURAL MEMBER, INCLUDING BUT NOT LIMITED TO STUDS, JOISTS AND RAFTERS, SHALL HAVE SOUND ISOLATED INSERTION CLAMPS. HUBBARD HOLDRITE SILENCER SYSTEM OR EQUAL.
2. ALL PIPING PENETRATING RATED WALLS OR FLOORS SHALL HAVE FIRESTOP ASSEMBLY MATCHING WALL OR FLOOR RATING. ALL FLOORS ARE ONE HOUR RATED AND FOR LOCATIONS OF RATED WALLS SEE ARCHITECTURAL DWGS.
3. PIPING PENETRATING FOUNDATION WALLS SHALL BE PROVIDED WITH STANDARD WEIGHT GALVANIZED STEEL PIPE SLEEVES TWO PIPE SIZES LARGER THAN PIPE PASSING THRU AND WITH VOID FILLED WITH MANUFACTURED SLEEVE SEAL SYSTEM (METRAFLEX OR EQUAL).
4. ALL PIPING PENETRATING FOUNDATION WALLS AND FLOORS OR WHICH WILL COME INTO DIRECT CONTACT WITH CONCRETE SHALL BE PROVIDED WITH POLYETHYLENE PIPE SHIELDING INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. NORTHTOWN "POLYWRAP" AND "POLYWRAP-C"OR EQUAL.
5. IN ADDITION TO THE SPECIFICATION REQUIREMENTS FOR SUPPORTS AND THEIR SPACING PROVIDE THE FOLLOWING: HANGERS AND SUPPORTS WITHIN 12" OF EACH ELBOW, TEE AND JOINT FOR ALL PIPING. SUPPORTS WITHIN 12" OF EACH COUPLING FOR 3" AND SMALLER CAST IRON PIPE; SUPPORTS ON BOTH SIDES OF EACH COUPLING FOR 4" AND LARGER CAST IRON PIPE.
6. ALL PIPING PENETRATING FOUNDATION WALLS AND FLOORS OR WHICH WILL COME INTO DIRECT CONTACT WITH CONCRETE AND CANNOT BE PROVIDED WITH SLEEVES AS NOTED ABOVE SHALL BE PROVIDED WITH TWO WRAPS OF POLYETHYLENE PIPE SHIELDING INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE TWO WRAPS INSTALLED IN OPPOSITE DIRECTIONS WITH 3" MIN. OVERLAP. INSTALL PER MANUFACTURER'S INSTRUCTIONS. OBTAIN WRITTEN APPROVAL FROM CONSTRUCTION MANAGER PRIOR TO USING THIS METHOD.
7. ALL PENETRATIONS OF NEW OR EXISTING EXTERIOR WALLS AND ROOFS SHALL BE SEALED WATERTIGHT. SEE SECTION 079200. PAINT SEALANT TO MATCH ADJACENT SURFACE.

PLUMBING FIXTURE SCHEDULE

ITEM	FIXTURE	ROUGH-IN CONNECTIONS				REMARKS
		WASTE	VENT	CW	HW	
DT-1	DRUM TRAP	2"	N/A	N/A	N/A	ZURN #ZA1180 EXTRA HEAVY CAST IRON, BOLTED TOP DRUM TRAP.
HB-1	HOSE BIBB	N/A	N/A	3/4"	N/A	WALL MOUNTED, WOODFORD #B24, POLISHED CHROME PLATED BRASS, WITH VACUUM BREAKER. PROVIDE W/LOOSE TEE KEY.
ST-10	SINK	2"	2"	1/2"	N/A	COUNTER MOUNTED, KOHLER #K-4011, 25"x22"x6"D, 19-GAUGE STAINLESS STEEL, SINGLE BASIN. CHICAGO FAUCET #350-E35-244ABCP, POLISHED CHROME FINISH, PROVIDE WITH STRAINER, CHROME PLATED P-TRAP, 1.5 AERATOR. INSTALL PER ACCESSIBLE REQUIREMENTS.
ST-11	SINK	2"	2"	1/2"	N/A	COUNTER MOUNTED,CECO #720-G, 24"x20"x6-1/2"D, ENAMEL CAST IRON, SINGLE BASIN. CHICAGO FAUCET #786-E3-665ABCP, POLISHED MIRROR FINISH, PROVIDE WITH STRAINER, CHROME PLATED P-TRAP, 1.5 AERATOR. INSTALL PER ACCESSIBLE REQUIREMENTS.
WHA-1	WATER HAMMER ARRESTOR	N/A	N/A	1/2"	N/A	WATTS #LF15M2 COPPER BODY WITH POLYPROPYLENE PISTON

PIPING MATERIAL SCHEDULE

PIPE	MATERIAL
SANITARY SEWER, WASTE AND VENT ABOVE GRADE	NO HUB CAST IRON
SANITARY SEWER, WASTE AND VENT BELOW GRADE	NO HUB CAST IRON OR EXTRA HEAVY DUTY HUB END
SANITARY SEWER, WASTE AND VENT BELOW GRADE OUTSIDE OF BUILDING	ASTM D2665 SOLID CORE BELL END SCH. 40 PVC DWV INSTALLED PER ASTM D2321
STORM DRAIN DOWNSPOUT [4, 5]	ASTM A53 GALVANIZED STEEL
OUTDOOR, EXPOSED STORM DRAIN [4, 5]	ASTM A53 GALVANIZED STEEL WITH LONG RADIUS ELBOWS
POTABLE WATER ABOVE GRADE	COPPER TYPE `L' - SOLDERED JOINTS
POTABLE WATER BELOW GRADE	COPPER TYPE `L' - SOLDERED JOINTS [2]
NATURAL GAS PIPING ABOVE GRADE	SCH. 40 GRADE B BLACK STEEL
NATURAL GAS PIPING ABOVE GRADE EXPOSED TO WEATHER	SCH. 40 BLACK STEEL PRIMED AND PAINTED
NATURAL GAS PIPING BELOW GRADE	BUTT FUSION POLYETHYLENE OR ASTM A53, GRADE A SCHEDULE 40 BLACK STEEL PIPE WITH PROTECTIVE COATING.
INTERIOR CONDENSATE DRAIN PIPING	INSULATED COPPER TYPE `M' [2]
EXTERIOR CONDENSATE DRAIN PIPING	COPPER TYPE `M' PVC SCHEDULE 40 - PAINTED TO PROVIDE U.V. PROTECTION
LABORATORY WASTE AND VENT	PVDF
OPTION FOR LABORATORY VENT ONLY	CPVC

NOTE: THIS IS A SUMMARY CHART. SEE DIVISION 22 SPECIFICATIONS FOR COMPLETE PROJECT PIPING REQUIREMENTS.

1. ALL CAST IRON COUPLINGS SHALL BE HEAVY DUTY. HUSKY SD 4000 OR EQUAL.

1. PROVIDE 8MIL MINIMUM POLYETHYLENE FLAT TUBE ENCASEMENT ALONG ENTIRE LENGTH OF PIPE AND FITTINGS. MINIMUM 12" OVERLAP AT EACH END OF PIPE. NORTHTOWN POLYWRAP OR EQUAL.

1. WITH ASTM E84 FLAME SPREAD RATING NOT GREATER THAN 25 AND SMOKE DEVELOPED RATING NOT GREATER THAN 50.
2. PROVIDE 6MIL MINIMUM POLYETHYLENE WRAP ALONG ENTIRE LENGTH OF PIPE AND FITTINGS. MINIMUM 12" OVERLAP AT EACH END OF PIPE. NORTHTOWN POLYWRAP-C OR EQUAL.

3. COATING SHALL BE EXTRUDED HIGH DENSITY POLYETHYLENE APPLIED WITH HOT THERMOPLASTIC ADHESIVE ON ABRASIVE BLASTED CLEAN PIPE. X-TRU-COAT BY PIPE LINE SERVICE CORP. OR EQUAL.

2. ** ASTM D2665 PIPE AND FITTING WITH SOLVENT CEMENTED JOINTS. WITH ASTM E84 FLAME SPREAD RATING NOT GREATER THAN 25 AND SMOKE DEVELOPED RATING NOT GREATER THAN 50.

2. NEW SANITARY SEWER AND WASTE PIPING SHALL BE SLOPED AT 1/4" PER FOOT (2%) MIN.

2. *PROVIDE (2) WRAPS OF 8MIL POLYETHYLENE ALONG ENTIRE LENGTH OF PIPE AND FITTINGS. MINIMUM 6" OVERLAP.

4. EXPOSED STORM DRAIN PIPING SHALL BE FIELD PAINTED, COLOR SELECTED BY ARCHITECT.

5. FIELD WELDS OR CUTS MADE TO HOT DIPPED GALVANIZED PIPING SHALL BE TOUCHED UP WITH ZINC RICH PAINT.

GENERAL NOTES

GENERAL NOTES:

1. ALL WORK OF THIS SECTION SHALL FULLY CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA PLUMBING CODE (C.P.C.), 2022 CALIFORNIA BUILDING CODE (C.B.C.), 2022 CALIFORNIA MECHANICAL CODE (C.M.C.), CALIFORNIA ADMINISTRATIVE CODE TITLE 24, THE CALIFORNIA GREEN BUILDING STANDARDS CODE, AMERICAN SOCIETY OF TESTING AND MATERIALS AND APPLICABLE NFPA STANDARDS.

2. SUBSTITUTIONS: BIDDERS WISHING TO OBTAIN APPROVAL OF AN ARTICLE, DEVICE, PRODUCT, MATERIAL, FIXTURE, FORM OR TYPE OF CONSTRUCTION OTHER THAN THOSE SPECIFIED BY NAME, MAKE OR CATALOG NUMBER, SHALL REQUEST VERBAL APPROVAL FROM THE ARCHITECT NOT LESS THAN TEN (10) DAYS BEFORE THE BID DUE DATE. WRITTEN APPROVAL CANNOT BE FINALIZED UNTIL SUBMITTALS ARE EXAMINED.

3. AREA SEPARATION WALLS: WHERE PLUMBING PENETRATES THE AREA SEPARATION WALL SURFACE, THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS ATTACHED THERETO, SHALL BE ONLY OF METAL.

4. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS/SPECIFICATIONS AND BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIALS AND EQUIPMENT AT EACH LOCATION AS INDICATED WITHOUT SUBSTANTIAL ALTERATION. IN AS MUCH AS THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. FURNISH FITTINGS REQUIRED TO MEET SUCH CONDITIONS AT NO COST TO THE OWNER.

5. PIPING RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED PIPES SHALL BE INSTALLED TIGHT AGAINST AND PARALLEL TO BEAMS AND WALLS.

SUBMITTALS

1. SHOP DRAWINGS SHALL BE PROVIDED FOR THE FOLLOWING:
   A. LIST OF PIPE, FITTINGS, VALVES AND JOINT METHODS.
   B. LIST OF FIXTURES AND TRIM WITH BROCHURES SHOWING MANUFACTURER AND CATALOG NUMBER OF EACH ITEM.
   C. LIST OF EQUIPMENT WITH BROCHURES SHOWING MANUFACTURER AND CATALOG NUMBER OF EACH ITEM.

GUARANTEE

1. ALL WORK, MATERIALS AND EQUIPMENT PROVIDED UNDER THIS SECTION SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF FIVE YEARS FROM DATE OF ACCEPTANCE BY OWNER FROM DEFECTIVE WORKMANSHIP MATERIALS AND OPERATING EQUIPMENT. CONTRACTOR SHALL REPAIR, REPLACE AND MAKE SATISFACTORILY OPERATIVE ANY AND ALL DEFECTIVE ITEMS AND WORK, HOLDING THE OWNER FREE FROM ANY COST AND LIABILITY IN CONNECTION WITH THIS FOR THE TERM OF THE GUARANTEE.
2. ALL MATERIAL SHALL BE NEW, FREE FROM DEFECTS AND OF THE QUALITY AND RATING SHOWN OR SPECIFIED.

INTERRUPTION OF SERVICES AND DEMOLITION NOTES:

1. DEMOLITION, CAPPING AND REROUTING SHALL BE PERFORMED AS SHOWN TO ACCOMMODATE NEW CONSTRUCTION.
2. EXISTING SERVICES REQUIRED TO STAY IN OPERATION IN AREAS NOT REMODELED SHALL BE MAINTAINED, REROUTED OR OTHERWISE PROVIDED WITH TEMPORARY CONNECTIONS TO PREVENT INTERRUPTIONS.
3. IF IMPOSSIBLE TO PREVENT INTERRUPTIONS, CONNECTIONS SHALL BE PERFORMED DURING "OFF-HOURS" AND COORDINATED WITH THE OWNER'S REPRESENTATIVE.
4. PROVIDE A MINIMUM OF SEVEN (7) DAYS WRITTEN ADVANCE NOTICE OF INTERRUPTION. DO NOT INTERRUPT SERVICES WITHOUT WRITTEN CONSENT OF THE OAR.
5. EXISTING PIPING FIXTURES AND EQUIPMENT ARE SHOWN AT APPROXIMATE LOCATIONS.
6. CONTRACTOR SHALL ENSURE THAT ALL EXISTING PLUMBING FIXTURES WITHIN THIS SCOPE ARE RECONNECTED TO NEW DOMESTIC WATER SYSTEM AND FULLY OPERABLE.
7. ANY PIPING SYSTEMS OR FIXTURES (INCLUDING FIXTURES TO BE RELOCATED) WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE OWNER'S REPRESENTATIVE SHALL DETERMINE WHICH PIPING AND/OR FIXTURES REQUIRE REPLACEMENT AND WHAT THE EQUIVALENT REPLACEMENT SHALL BE.

UTILITY NOTES:

1. LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AND OTHER UNDERGROUND OBSTRUCTIONS AND CONDITIONS ARE GENERALLY UNKNOWN AND IF SHOWN ARE AT APPROXIMATE LOCATIONS. CONTRACTOR SHALL HIRE A UTILITY LOCATING SERVICE TO LOCATE ALL EXISTING PLUMBING AND OTHER UNDERGROUND UTILITIES PRIOR TO DIGGING. VERIFY EXACT LOCATION SIZE AND EXTENT OF ALL OBSTRUCTIONS AND OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK, INCLUDING HAND DIGGING AROUND EXISTING UTILITIES, TREE ROOT SYSTEMS, AND HARDSCAPE FEATURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE CLIENT'S DIRECTION AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID DAMAGE IN EXPOSING UNDERGROUND SERVICES. IN ADDITION TO WHAT IS NOTED ABOVE, THE CONTRACTOR SHOULD REQUEST THAT UTILITY AGENCIES LOCATE AND MARK ANY UNDERGROUND PIPING OR CABLES THAT MAY BE IN THE AREA OF WORK. WHERE AN UNDERGROUND FACILITY IS ENCOUNTERED WHICH IS NOT SHOWN ON THE PLANS OR MENTIONED IN ANY OTHER CONTRACT DOCUMENT, THE CONTRACTOR SHALL DISCONTINUE THE EXCAVATION AND IMMEDIATELY CALL THE ARCHITECT FOR INSPECTION.
3. PRIOR TO INSTALLATION OF ANY NEW SEWER LINES, THE CONTRACTOR SHALL PHYSICALLY VERIFY THE ELEVATION, SIZE AND MATERIAL AT THE POINT OF CONNECTION. IF THE ACTUAL ELEVATION IS HIGHER THAN INDICATED AND THE NEW SEWER OR DRAIN CANNOT BE INSTALLED AS SHOWN, THE CONTRACTOR SHALL NOT PROCEED WITH THE CONSTRUCTION OF SAID LINES AND SHALL IMMEDIATELY INFORM THE ARCHITECT.

ENERGY CONSERVATION NOTES:

1. ALL SINK FAUCETS AND SHOWERHEADS USED FOR OTHER THAN SAFETY REASONS SHALL BE EQUIPPED WITH FLOW CONTROL DEVICES TO LIMIT TOTAL FLOW TO A MAXIMUM OF 1.8 GALLONS PER MINUTE AND SHALL BE LISTED ON THE CALIFORNIA ENERGY COMMISSION DIRECTORY OF CERTIFIED SHOWERHEADS AND FAUCETS.
2. PUBLIC LAVATORY FAUCETS SHALL BE THE SELF CLOSING TYPE, 0.4 GPM MAX. FLOW.

TESTS AND ADJUSTMENTS:

1. THE NEW PLUMBING PIPING SHALL BE FLUSHED AND THEN TESTED PER LOCAL CODE REQUIREMENTS AND ALL DEFECTS CORRECTED WITH NEW MATERIALS.
2. NO PIPING WORK, FIXTURES, OR EQUIPMENT SHALL BE CONCEALED OR COVERED UNTIL INSPECTED BY ENGINEER, WHO SHALL BE NOTIFIED WHEN THE WORK IS LEAK-TIGHT AND READY FORI NSPECTION. ALL TESTS SHALL BE REPEATED AS REQUIRED BY THOSE MAKING THE INSPECTION.
3. ALL NEW DOMESTIC WATER PIPING SHALL BE FLUSHED OUT, TESTED AT 150 PSIG AND SHALL BE LEFT UNDER PRESSURE OF SUPPLY MAIN OR A MINIMUM OF 50 PSIG FOR THE REMAINDER OF THE INSPECTION PERIOD OR FOUR HOURS MINIMUM. NO AIR TESTING IS ALLOWED. TESTS ARE TO BE APPLIED FOR A MINIMUM PERIOD OF ONE HOUR AND UNTIL TESTS ARE COMPLETE. FINAL PRESSURES AT THE END OF THE TEST PERIOD SHALL BE NOT MORE NOR LESS THAN THAT CAUSED BY EXPANSION OR CONTRACTION OF THE TEST MEDIUM DUE TO TEMPERATURE CHANGES. PROVIDE ADDITIONAL VALVES AS REQUIRED IN THE CONNECTIONS OF NEW PIPING TO EXISTING TO FACILITATE TESTING.
4. PLUMBING FIXTURES SHALL BE FILLED WITH WATER AND CHECKED FOR LEAKS AND RESTRICTED DRAINAGE FLOW. FAUCET AERATORS AND SHOWER HEADS SHALL BE REMOVED AND CLEANED THOROUGHLY.

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03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

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PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
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1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

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STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN L. MARTIN — C-36055 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER HUNNEY — No. M 47567 — exp. 9/30/25 — MECHANICAL — STATE OF CALIFORNIA

DSA BACK CHECK	12/10/2025

SHEET TITLE:

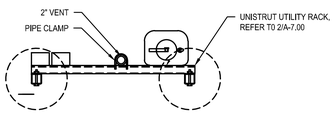
PLUMBING LEGEND AND NOTES

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JK	CHECKED:	TR

SHEET NUMBER:

P0.01

DATE: 6/13/2025



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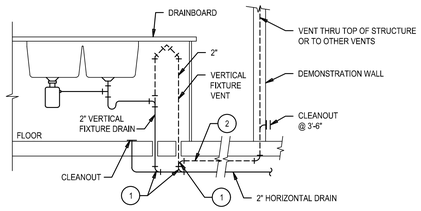

KEYNOTES

1. Y-BRANCH FITTINGS
2. 2" VENT - SLOPE AT 1/4" PER FOOT

ISLAND VENT DETAIL (3 / P0.02)
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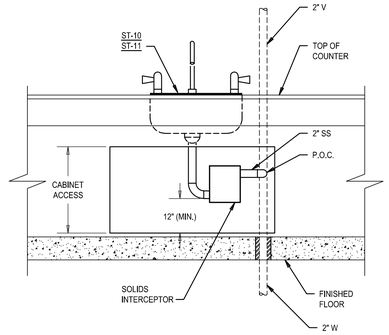

SOLIDS INTERCEPTOR - DRUM TRAP (2 / P0.02)
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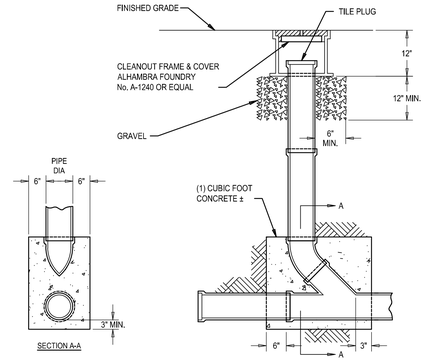

SEWER CLEANOUT (1 / P0.02)
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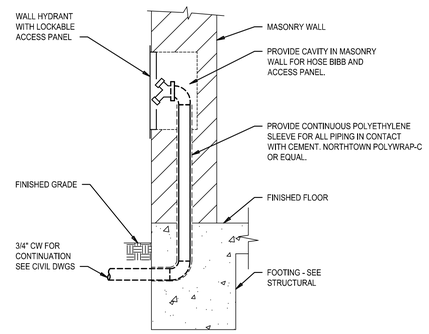

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NO SCALE

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03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

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FACILITIES SERVICES DIVISION

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STAMPS/SEALS

LICENSED ARCHITECT — KRISTIN L. KRAUSE — C-36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER HAMILTON — No. M-17567 — exp. 9/30/25 — MECHANICAL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

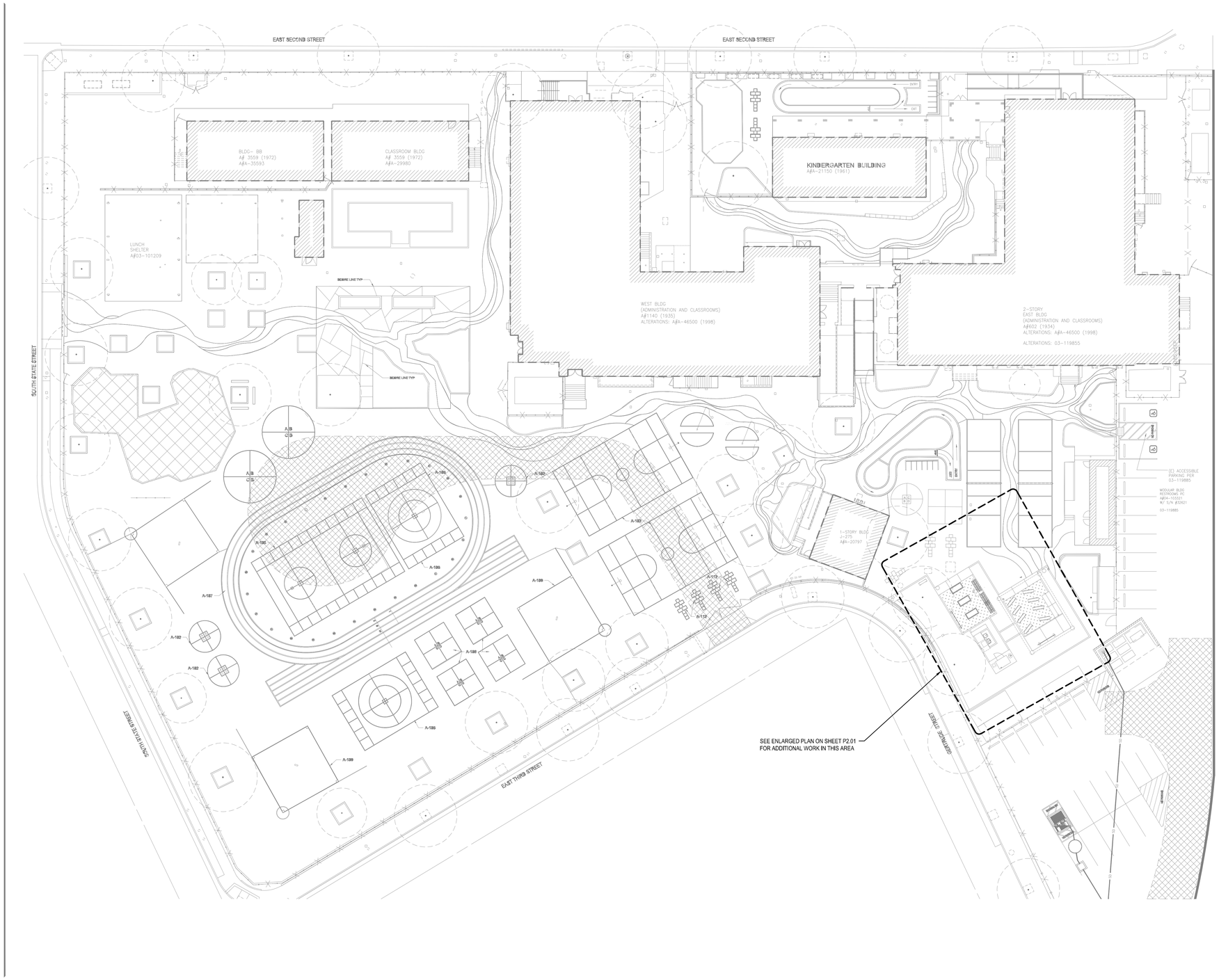
PLUMBING DETAILS

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JK	CHECKED:	TR

SHEET NUMBER:

P0.02

DATE: 6/13/2025



SITE PLAN - PLUMBING

SCALE: 1" = 20'-0"

NORTH

0 10' 20' 40' 60'

1" = 20'

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STAMPS/SEALS

LICENSED ARCHITECT
KRISTYN LAUNDREAU
No. C36535
RENEWS 6-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER HAMETT
No. M47567
exp. 9/30/25
MECHANICAL
STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

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SITE PLAN
- PLUMBING

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
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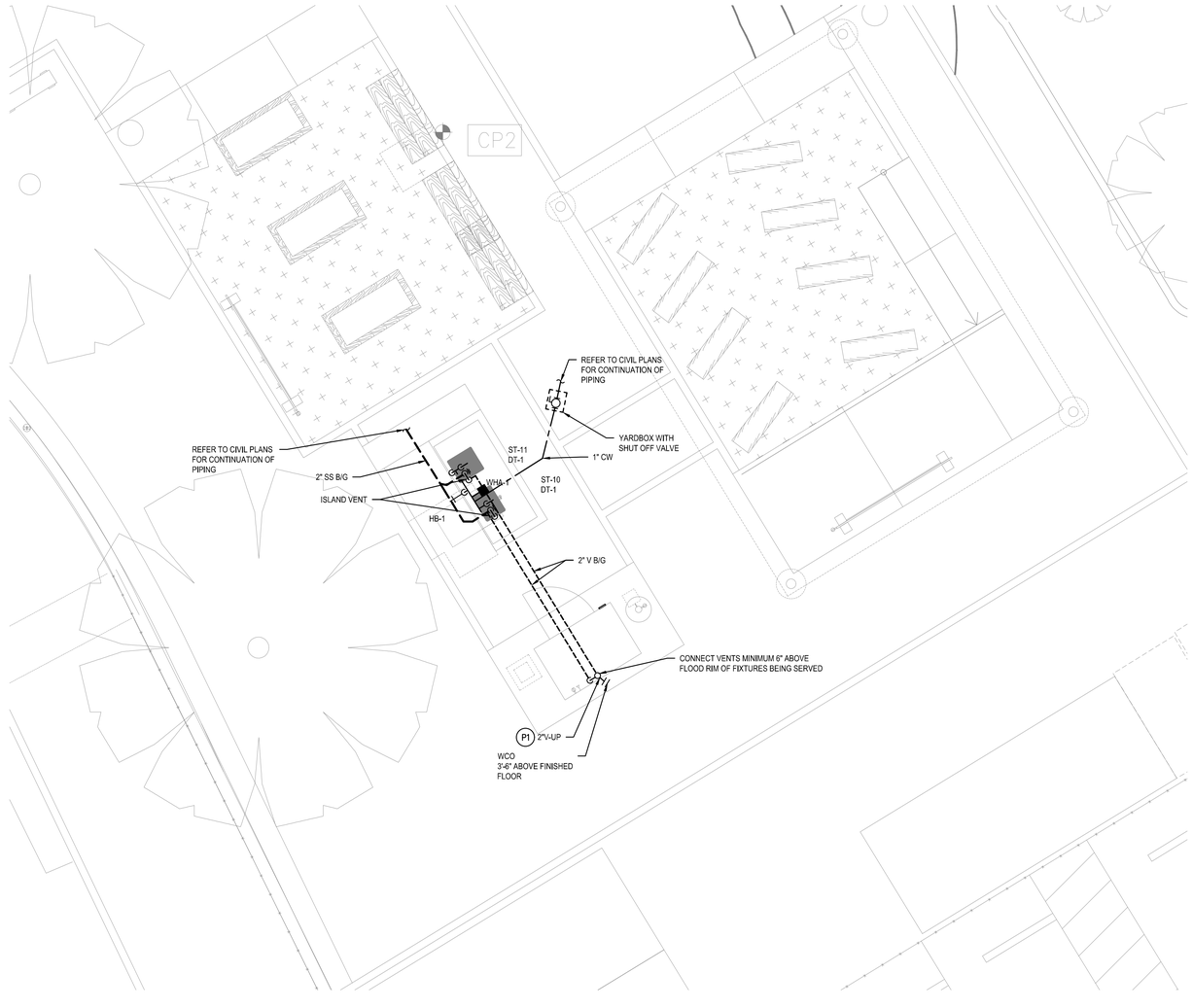
SHEET NUMBER:

P1.01

DATE: 6/13/2025

KEYNOTES

(P1) REFER TO 2/A-7.00 FOR VENT ATTACHMENT TO STORAGE SHED.



ENLARGED SITE PLAN - PLUMBING

SCALE: 1/4" = 1'-0"

NORTH

0 2' 4' 8' 12'

1/4" = 1'-0"

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No. M-17567
exp. 9/30/25
MECHANICAL
STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

ENLARGED SITE PLAN - PLUMBING

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
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SHEET NUMBER:

P2.01

DATE: 6/13/2025

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
S	DASHED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO BE REMOVED.
$	FINE-LINED SYMBOL INDICATES EXISTING FIXTURE, OUTLET, DEVICE OR EQUIPMENT TO REMAIN.
$	CROSS MARK ON ANY SWITCH SYMBOL INDICATES EXISTING SWITCH OUTLET.
EX	EXISTING CONDUIT TO REMAIN.
R	EXISTING CONDUIT TO BE REMOVED IF IN AN ACCESSIBLE AREA OR TO BE ABANDONED IF IN AN INACCESSIBLE AREA.
R	EXISTING LIGHT FIXTURE TO BE REMOVED AND RELOCATED.
R	NEW LOCATION OF RELOCATED LIGHT FIXTURE.
A	INDICATES FIXTURE TYPE. SEE FIXTURE SCHEDULE FOR LAMP, WATTAGE, AND MOUNTING INFORMATION. TYPICAL FOR ROOM INDICATED, UNLESS OTHERWISE NOTED.
HA-11a	INDICATES CONTROLLING SWITCH LEG.
	DENOTES BRANCH CIRCUIT NUMBER SUPPLYING FIXTURE.
	WHEN USED, DENOTES PANELBOARD SUPPLYING FIXTURE.
	LIGHTING FIXTURE, RECESSED MOUNTED.
	LIGHTING FIXTURE, SURFACE MOUNTED.
	LIGHTING FIXTURE, SURFACE MOUNTED.
	STRIP LIGHTING FIXTURE.
	ROUND LIGHTING FIXTURE.
	SQUARE LIGHTING FIXTURE.
	LIGHTING FIXTURE, WALL MOUNTED. MOUNTING HEIGHT TO CENTER OF FIXTURE AS INDICATED.
	EXIT SIGN, CEILING MOUNTED. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED. SHADING INDICATES ILLUMINATED FACE(S).
	EXIT SIGN, WALL MOUNTED. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED. SHADING INDICATES ILLUMINATED FACE(S). MOUNT AT +96" AFF TO CENTER OF FIXTURE U.O.N.
S_a	SINGLE POLE, SINGLE THROW TOGGLE SWITCH, WALL MOUNTED AT +42" AFF U.O.N. SUBSCRIPT WHERE SHOWN INDICATES FIXTURES CONTROLLED.
S^3	THREE WAY TOGGLE SWITCH, WALL MOUNTED AT +42" AFF U.O.N.
S^P	TOGGLE SWITCH WITH PILOT LIGHT, WALL MOUNTED AT +42" AFF U.O.N.
S^{WP}	WALL SWITCH, SINGLE POLE, WEATHERPROOF, WALL MOUNTED AT +42" AFF U.O.N.
S^T	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION. MOUNTED ADJACENT TO MOTOR U.O.N.
S^K	KEY OPERATED SWITCH, WALL MOUNTED AT +42" AFF U.O.N.
SC	SCENE SWITCH, WALL MOUNTED AT +42" AFF U.O.N.
D	DAYLIGHT SENSOR (SINGLE OR MULTI-ZONE). SYMBOL INDICATES A DAYLIGHT SENSOR OR SENSORS ARE REQUIRED IN THE RESPECTIVE DAYLIT/SKYLIT ZONE(S). EXACT TYPE(S), QUANTITY AND PHYSICAL PLACEMENT WITHIN THE RESPECTIVE ZONE SHALL BE DETERMINED BY THE EQUIPMENT VENDOR AT TIME OF BID. COORDINATION WITH THE COMMISSIONING TEAM DURING CONSTRUCTION IS REQUIRED. DAYLIGHT SETTINGS SHALL BE FINALLY ADJUSTED AFTER FURNITURE, FINAL FINISHES, AND ALL LIGHTING EQUIPMENT ARE INSTALLED AND MADE OPERATIONAL. SENSORS SHALL NOT BE PLACED IN DIRECT SUNLIGHT NOR IN DIRECT ILLUMINATION FROM LIGHT FIXTURES. DEVICE SETTINGS SHALL REDUCE ILLUMINATION LIGHTING POWER BY A MINIMUM OF 65% WHEN DAYLIGHT ILLUMINANCE IS 150% OF DESIGN ILLUMINANCE.
OS	INDICATES AN OCCUPANCY SENSOR FEATURE IS REQUIRED IN THIS SPACE/ROOM/AREA. EXACT TYPE(S), QUANTITY AND PHYSICAL PLACEMENT WITHIN THE SPACE/ROOM/AREA SHALL BE DETERMINED BY THE EQUIPMENT VENDOR AT TIME OF BID. COORDINATION WITH THE COMMISSIONING TEAM DURING CONSTRUCTION IS REQUIRED. OCCUPANCY SETTINGS SHALL BE FINALLY ADJUSTED AFTER FURNITURE, FINAL FINISHES, AND ALL LIGHTING EQUIPMENT ARE INSTALLED AND MADE OPERATIONAL. LIGHTS AND FAN SHALL REMAIN ON FOR 15 MINUTES AFTER THE ROOM IS VACATED.
VS	INDICATES A VACANCY SENSOR FEATURE IS REQUIRED IN THIS SPACE/ROOM/AREA. EXACT TYPE(S), QUANTITY AND PHYSICAL PLACEMENT WITHIN THE SPACE/ROOM/AREA SHALL BE DETERMINED BY THE EQUIPMENT VENDOR AT TIME OF BID. COORDINATION WITH THE COMMISSIONING TEAM DURING CONSTRUCTION IS REQUIRED. OCCUPANCY SETTINGS SHALL BE FINALLY ADJUSTED AFTER FURNITURE, FINAL FINISHES, AND ALL LIGHTING EQUIPMENT ARE INSTALLED AND MADE OPERATIONAL. LIGHTS AND FAN SHALL REMAIN ON FOR 15 MINUTES AFTER THE ROOM IS VACATED.
OS	OCCUPANCY SENSOR, CEILING MOUNTED.OCCUPANCY SETTINGS SHALL BE FINALLY ADJUSTED AFTER FURNITURE, FINAL FINISHES, AND ALL LIGHTING EQUIPMENT ARE INSTALLED AND MADE OPERATIONAL. LIGHTS AND FAN SHALL REMAIN ON FOR 15 MINUTES AFTER THE ROOM IS VACATED.
VS	VACANCY SENSOR, WALL MOUNTED AT +42" AFF U.O.N.
OS/ds	COMBINATION OCCUPANCY SENSOR/WALL SWITCH, WALL MOUNTED AT +42" AFF U.O.N.
OS	COMBINATION MANUAL DIMMER SWITCH / OCCUPANCY SENSOR, MOUNTED AT +42" AFF TO CENTER OF DEVICE, U.O.N.
D	DIMMER SWITCH, WALL MOUNTED AT +42" AFF U.O.N.
	DUPLEX RECEPTACLE, WALL MOUNTED AT +15" AFF U.O.N.
	DUPLEX RECEPTACLE, GFCI TYPE, WALL MOUNTED AT +15" AFF U.O.N.
	DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED AT +15" AFF U.O.N.
	DOUBLE DUPLEX RECEPTACLE GFCI TYPE, WALL MOUNTED AT +15" AFF U.O.N.
	SPECIAL PURPOSE RECEPTACLE AS INDICATED..
	POWER DISTRIBUTION SWITCHBOARD. (SWBD)
	SURFACE MOUNTED PANELBOARD.
	FLUSH MOUNTED PANELBOARD.
	SURFACE MOUNTED CABINET, AS NOTED.
	FLUSH MOUNTED CABINET, AS NOTED.
N	NON-FUSED, HEAVY DUTY DISCONNECT SWITCH. SIZE AS INDICATED. (NFDS)
	FUSED, HEAVY DUTY DISCONNECT SWITCH. SIZE AS INDICATED. (FDS)
J	JUNCTION BOX. SIZED PER CEC, U.O.N.
T	TRANSFORMER, SIZE AND MOUNTING AS NOTED. (XFMR)
	MOTOR CONNECTION.
AC 2	MECHANICAL EQUIPMENT REFERENCE.
	TELECOMMUNICATIONS OUTLET (DATA ONLY), MOUNTED AT +18" AFF U.O.N. - SINGLE OUTLET WITH ONE CATEGORY 6 CABLE TERMINATED

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
TC	TIME CONTROLLED SWITCH.
	PULLBOX WITH SCREW COVER, SIZE PER CEC.
	COPPER CLAD GROUND ROD, U.O.N.
	COPPER CLAD GROUND ROD IN A YARD BOX.
	PULLBOX MOUNTED FLUSH WITH GRADE. (D / E0.04)
T	THERMOSTAT OUTLET.
	CONDUIT CONCEALED IN WALL OR CEILING SPACE.
	CONDUIT CONCEALED UNDER FLOOR SLAB OR UNDERGROUND. (A / E0.04) (C / E0.04)
	CONDUIT INSTALLED EXPOSED.
W	SURFACE MOUNTED ONE-PIECE METAL RACEWAY.
	CONDUIT TURNED UP.
	CONDUIT TURNED DOWN.
	CONDUIT CONTINUATION.
	FLEXIBLE METAL CONDUIT. PROVIDE REQUIRED BRANCH CIRCUIT CONDUCTORS AND EQUIPMENT GROUND CONDUCTOR.
W	WIREMOLD DROP.
F	FLEXIBLE CONDUIT DROP IN MOVABLE PARTITION.
E#	ELECTRICAL KEYNOTE REFERENCE (TYPICAL).
1 / E501	INDICATES DETAIL '1' ON SHEET E501 (TYPICAL).
WAP	WIRELESS ACCESS POINT
	ELECTRIC DOOR/GATE STRIKE
CB	2-WAY COMMUNICATION CALL BUTTON +48"
BS	2-WAY COMMUNICATION BASE STATION +15"

BRANCH CIRCUIT DESIGNATIONS:

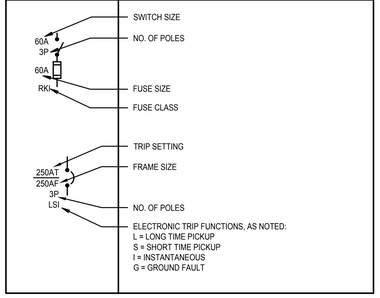
	3/4" CONDUIT WITH 2#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 3#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 4#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 5#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 6#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	3/4" CONDUIT WITH 7#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
	1" CONDUIT WITH 8#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
#10	A NUMBER ADJACENT TO THE HASH MARK IN ANY CONDUIT RUN INDICATES THE CONDUCTOR SIZE TO BE USED IN LIEU OF #12 AWG. CONDUIT AND EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED PER CEC, U.O.N.
A-1,3	HOMERUN TO INDICATED PANELBOARD ('A'). NUMBERS (1,3) INDICATE BRANCH CIRCUIT NUMBERS. CONDUIT AND WIRE SIZE INDICATED AT HOMERUN SHALL APPLY TO THE ENTIRE CIRCUIT U.O.N.
3/4"-3#8+1#10 EG	INDICATES 3/4" CONDUIT WITH (3) 8 AWG CONDUCTORS + (1) 10 AWG EQUIPMENT GROUND.
3/4"-3#10+3#10N +1#10 EG	INDICATES 3/4" CONDUIT WITH (3) 10 AWG PHASE CONDUCTORS PLUS (3) 10 AWG INDIVIDUAL NEUTRAL CONDUCTORS + (1) 10 AWG EQUIPMENT GROUND.
(2) 3" 3-500KCM +1#1/0 EG	INDICATES TWO (2) 3" CONDUITS WITH THREE (3) 500 kcmil CONDUCTORS PLUS ONE (1) 1/0 AWG EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT.
	WHEN HOMERUN IS NOT SHOWN, BRANCH CIRCUIT NUMBER(S) (AND PANELBOARD) ARE DESIGNATED BY NUMBERS ADJACENT TO OUTLET:
PA-7	DENOTES BRANCH CIRCUIT(S) SUPPLYING OUTLET.
PA-7	WHEN USED, DENOTES PANELBOARD SUPPLYING OUTLET.
PA-13,15 #10	DENOTES BRANCH CIRCUIT WIRE SIZE WHEN OTHER THAN 12 AWG.

BRANCH CIRCUIT WIRING NOTE:
EACH SINGLE-POLE BREAKER CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. REFER TO THE PANEL SCHEDULES FOR CIRCUIT BREAKER REQUIREMENTS. BRANCH CIRCUITS THAT ORIGINATE FROM SINGLE-POLE CIRCUIT BREAKERS SHALL NOT BE INSTALLED AS PART OF A MULTIWIRE CIRCUIT. HANDLE TIES INSTALLED ON SINGLE-POLE CIRCUIT BREAKERS ARE NOT AN ACCEPTABLE ALTERNATIVE TO THIS REQUIREMENT.

SINGLE LINE DIAGRAM LEGEND

SYMBOL	DESCRIPTION
M	UTILITY METER SOCKET
	FUSE, SIZE AND TYPE AS NOTED
	DISCONNECT SWITCH
	LOW VOLTAGE CIRCUIT BREAKER.
	CIRCUIT BREAKER WITH ARC ENERGY REDUCTION DEVICE PER (NEC) (CEC) 240.87.
	POWER TRANSFORMER
	GROUND CONNECTION OR GROUNDING ELECTRODE

OVERCURRENT DEVICE KEY



ELECTRICAL ABBREVIATIONS

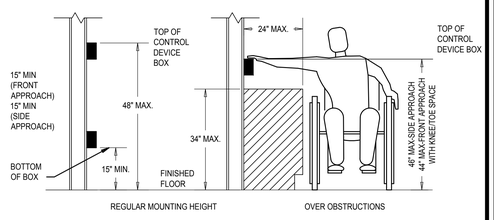
ABBREV.	DESCRIPTION
A, AMP	AMPERE
AA	DRY TYPE, SELF COOLED TRANSFORMER
AC	ALTERNATING CURRENT
AF	AMPS FRAME, OR AMPS FUSE RATING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTING CAPACITY
AS	AMPS SWITCH RATING
AUTO	AUTOMATIC
AWG	AMERICAN WIRE GAUGE
CEC	CALIFORNIA ELECTRICAL CODE (TITLE 24, PART 3).
C.O.	CONDUIT ONLY
DEMO	DEMOLISH/DEMOLITION
DIAG	DIAGRAM
DIA.	DIAMETER
DWG	DRAWING
EA.	EACH
ELEC	ELECTRICAL
EX	EXISTING
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
GA	GAUGE
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GFI	GROUND-FAULT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IR	INTERRUPTING RATING
Isc	AVAILABLE SHORT CIRCUIT CURRENT (SYMMETRICAL AMPS)
KA	1000 AMPS (kA)
KAIC	1000 AMPS INTERRUPTING CAPACITY (kAIC)
KCM	1000 CIRCULAR MIL (kcmil)
KVA	KILOVOLTAMPS (kVA)
KW	KILOWATT (kW)
KWH	KILOWATTHOUR (kWh)
LAN	LOCAL AREA NETWORK
MAX.	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MIN.	MINIMUM
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
P	POLE
PH	PHASE
PNL	PANELBOARD, OR PANEL
POC	POINT OF CONNECTION
PIV	POST INDICATOR VALVE
SWBD	SWITCHBOARD
SSBJ	SUPPLY SIDE BONDING JUMPER
TEMP	TEMPERATURE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UFER	CONCRETE ENCASED GROUNDING ELECTRODE
U.G.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT, OR WIRE
WP	WEATHERPROOF
+45"	MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTER OF DEVICE OR FIXTURE U.O.N.
Ø	PHASE
#	NUMBER, OR AWG
1/C	SINGLE CONDUCTOR
3/C	THREE CONDUCTOR
M/C	MULTICONDUCTOR

ELECTRICAL AND FIRE ALARM SHEET INDEX

E0.01	ELECTRICAL LEGEND
E0.02	ELECTRICAL NOTES AND FIXTURE SCHEDULE
E0.03	ELECTRICAL DETAILS
E0.04	PARTIAL SITE PLAN - LIGHTING LEVELS
E0.05	TITLE 24 DOCUMENTATION
E1.01	SITE PLAN - ELECTRICAL
E2.01	ENLARGED PLAN - ELECTRICAL

ELECTRICAL SCOPE OF WORK

ELECTRICAL REQUIRED FOR THE NEW OUTDOOR LEARNING ENVIRONMENT AS INDICATED ON THESE PLANS. SCOPE SHALL INCLUDE A NEW PEDESTAL MOUNTED RECEPTACLES, LIGHTING, IRRIGATION CONTROL AND RELATED BRANCH CIRCUITS AS REQUIRED.



NOTE

WHERE LIGHT SWITCHES, RECEPTACLES, TELEPHONE/DATA OUTLETS, DIMMING CONTROL STATIONS, FIRE ALARM PULL STATIONS OR OTHER OPERABLE OUTLET DEVICES OCCUR OVER FIXED OBSTRUCTIONS (SUCH AS CASEWORK, ETC) RESPECTIVE DEVICE MOUNTING HEIGHT LIMITS AFF SHALL BE AS TYPICALLY DEPICTED ABOVE.

MOUNTING HEIGHT LIMITS OVER OBSTRUCTIONS

NO SCALE

A / E0.01

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS
100 West Villa Street
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818 / 249 / 0444 fax 249 / 1467

STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN LAWRENCE BRAUN — C-36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ANTONIO RATTAN — EXP 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

ELECTRICAL LEGEND

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JK	CHECKED:	TR

SHEET NUMBER:

E0.01

DATE: 6/13/2025

GENERAL NOTES

1. ALL WORK SHALL BE IN COMPLIANCE WITH THE 2022 EDITION OF THE CEC AND WHERE APPLICABLE AS AMENDED BY THE LOCAL ORDINANCES AND CODES OF GOVERNING MUNICIPALITIES.
2. ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER RELATED CONTRACT DOCUMENTS.
3. VERIFY EXACT LOCATION, SIZE, AND EXTENT OF ALL EXISTING UTILITIES, OBSTRUCTIONS AND/OR OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE OWNER'S DIRECTION AT THE CONTRACTOR'S EXPENSE.
4. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS/SPECIFICATIONS AND BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIALS AND EQUIPMENT AT EACH LOCATION AS INDICATED WITHOUT SUBSTANTIAL ALTERATION. IN AS MUCH AS THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. FURNISH FITTINGS REQUIRED TO MEET SUCH CONDITIONS AT NO COST TO THE OWNER.
5. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED TIGHT AGAINST AND PARALLEL TO BEAMS AND WALLS.
6. ALL EXPOSED CONDUIT RUNS WITHIN THE BUILDING SHALL BE INSTALLED TIGHT AGAINST BOTTOM OF BEAMS UNLESS OTHERWISE NOTED.
7. CONDUITS SHALL BE TERMINATED SO AS TO PERMIT FINAL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT WITHOUT EXTENSIVE USE OF FLEXIBLE CONDUIT.
8. CONDUITS WHICH TERMINATE AT SWITCHBOARD OR PANELBOARDS SHALL BE LOCATED FOR PROPER ALIGNMENT WITHOUT THE NEED FOR AUXILIARY GUTTERS, WIREWAYS OR PANEL EXTENSIONS.
9. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS ARE BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS APPROVED BY THE ARCHITECT/ENGINEER MAY BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL SHALL BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
10. NAMEPLATES SHALL CONFORM STRICTLY TO INSTRUCTIONS AS SPECIFIED IN THE ELECTRICAL SPECIFICATIONS AND ON THE DRAWINGS. THE FOLLOWING SHALL HAVE NAMEPLATES:
    a. ALL MAIN BREAKERS
    b. ALL FEEDER BREAKERS IN SWITCHBOARDS AND DISTRIBUTION PANELS.
    c. ALL PANELBOARDS AND SWITCHBOARDS
    d. DISCONNECT SWITCHES
    e. COMBINATION MOTOR STARTERS
    f. ENCLOSED CIRCUIT BREAKERS
    g. CONTROL CABINETS
11. ALL FEEDERS AND BRANCH CIRCUITS SHALL HAVE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE PHASE/NEUTRAL CONDUCTORS. SYSTEM AND EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED AND INSTALLED AS REQUIRED BY THE CEC U.O.N.
12. ALL CIRCUIT PROTECTIVE DEVICES SHALL HAVE THE REQUIRED RATINGS AND INTERRUPTING CAPACITY EQUAL TO OR GREATER THAN 110% OF THE AVAILABLE SHORT CIRCUIT CURRENT AT ITS SUPPLY TERMINAL.
13. OUTLET BOXES, UTILIZATION EQUIPMENT CABINETS, CONDUIT SYSTEMS, LIGHTING FIXTURES AND CONVENIENCE OUTLETS SHALL BE GROUNDED AND BONDED IN ALL ELECTRICAL SYSTEMS OPERATING AT 48 VOLTS AND ABOVE. EACH GROUND WIRE SHALL BE TERMINATED AT THE EQUIPMENT GROUND BAR OR TERMINAL. EQUIPMENT GROUND WIRES SHALL BE SIZED PER CEC 250.122.
14. ALL CONDUITS SHALL BE A MINIMUM TRADE SIZE OF 3/4".

CONDUIT REQUIREMENTS

THE CONTRACTOR SHALL CAREFULLY REVIEW THE SPECIFICATIONS FOR THE REQUIREMENTS FOR CONDUIT INSTALLATION. CONDUIT TYPE AND LOCATION SHALL BE PER THE REQUIREMENTS OF THE SPECIFICATION AND ANY DEVIATION MUST BE APPROVED BY THE LAUSD AOR. ANY INSTALLATION NOT IN COMPLIANCE WITH THE REQUIREMENTS NOTED IN THE SPECIFICATIONS WILL BE CORRECTED BY THE CONTRACTOR AS NO ADDITIONAL EXPENSE TO LAUSD.

GENERAL NOTES

15. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER IN RACEWAY, PER SPECIFICATIONS, REGARDLESS OF APPLICATION. NO ALUMINUM WIRING OR MC CABLE OR AC CABLE SHALL BE USED.
16. ALL EQUIPMENT AND MATERIALS REMOVED BY THE CONTRACTOR SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
17. IF THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT/ENGINEER'S ATTENTION. SHOULD THE CLIENT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.
18. ALL NEW TAPS AT EXISTING SWITCHBOARDS SHALL BE INSTALLED PER SWITCHBOARD MANUFACTURER'S SPECIFICATIONS OR SHALL BE CERTIFIED BY A NRTL CERTIFIED TESTING LAB OR FABRICATOR. THE TAPS SHALL NOT VOID THE U.L. LISTING OF THE EXISTING SWITCHBOARD.
19. WHERE 120V BRANCH CIRCUITS EXCEED 90 FEET IN LENGTH (200 FEET FOR 277V) INCREASE WIRE SIZE TO THE NEXT LARGER AWG.
20. THE FOLLOWING BENDING RADII SHALL BE MAINTAINED FOR ALL UNDERGROUND COMMUNICATION CONDUIT SWEEPS:

CONDUIT SIZE	SWEEP MINIMUM RADIUS
2"	24"
3"	36"
4"	48"

21. ALL OUTDOOR RECEPTACLES SHALL BE PROVIDED WITH WEATHERPROOF 'WHILE IN USE' COVERS. PER LAUSD STANDARDS.
22. WHERE ITEMS ARE INDICATED FOR DISCONNECTION OR REMOVAL, REMOVE ALL ASSOCIATED CONDUIT, WIRING, SUPPORTS, AND BOXES BACK TO SOURCE UNLESS OTHERWISE NOTED. REMOVE CONDUIT FLUSH WITH SLAB. PATCH WALLS AND FLOORS NOT SCHEDULED FOR DEMOLITION.
23. SEAL ALL PENETRATIONS OF RATED WALLS WITH U.L. LISTED FIRE STOP SYSTEM.
24. ALL CONDUIT PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED TO MAINTAIN THEIR CURRENT RATING - REFER TO _____ (B / E0.03)
25. REFER TO SPECIFICATIONS FOR CONDUIT TYPE REQUIREMENTS.

TAMPER RESISTANT RECEPTACLES NOTE

TAMPER RESISTANT RECEPTACLES: ALL 15- AND 20-AMPERE 120V AND 250V NON-LOCKING RECEPTACLES PROVIDED BY THIS PROJECT SHALL BE LISTED AS TAMPER RESISTANT PER CEC 406.12 UNLESS OTHERWISE NOTED.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA- APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. 'PERMANENTLY ATTACHED' SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____.

PANEL ID: "A" EXISTING

LOCATION:	TOILET BLD
MAIN:	100A/2P M.C.B.
BUS AMPS	100
MOUNTING:	RECESSED
AIC RATING	EXIST

FEEDER/SYSTEM
FED FROM: "MSA"
FEEDER OCP: 100A
SYSTEM: 208 /120V, 1-PH.

LOAD TYPES
blank or NON: NON-CONTINUOUS
LCL: LONG-CONTINUOUS
REC: DEMANDABLE RECEPT'S
KIT: KITCHEN PNL: SUB-FED PNL
UNIT: RESI. UNIT MTR: MOTOR

CKT	DESCRIPTION	LOAD TYPE	BKR	LOAD (VA) PH. A		LOAD (VA) PH.B		BKR	LOAD TYPE	DESCRIPTION	CKT
1	EXISTING LOAD	NON	20/1	500	500			20/1	NON	EXISTING LOAD	2
3	EXISTING LOAD	NON	20/1			500	500	20/1	NON	EXISTING LOAD	4
5	SPARE		20/1					20/1		SPARE	6
7	BUSSED SPACE		20/1					20/1		BUSSED SPACE	8
9	OLE POLE LIGHTING	LCL	20/1	750	360			20/1	REC	IRRIGATION CONTROL GEN USE	10
11	POLE RECEPTACLES	REC	20/1			720	360	20/1	REC	BOARD RECEPTACLES	12

	CONNECTED VA	DEMAND VA	PH A	PH B	
GEN'L LOAD:	2000	2000	2110	2080	CONNECTED LOAD PER PHASE
LONG CONTIN.:	750	938	4190		TOTAL CONNECTED LOAD (VA)
GEN'L RECEPT:	1440	1440	20		AMPS OF TOTAL CONNECTED LOAD
MOTOR LOAD:	0	+ 25% OF LARGEST	4377.5		TOTAL DEMAND VA (BALANCED)
KITCHEN LOAD:	0	0	19		HIGH PHASE AMPS/LCL

PANEL NOTES:
REMOVE EXISTING BREKERS AND INSTALL NEW BREAKERS AT #9 THRU #12 TO MATCH EXISTING BREAKER RATINGS

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER AND CATALOG NUMBER (2)	LAMPS TYPE	LAMPS WATTS	LAMPS COLOR TEMP.	FIXTURE INPUT VOLTS	FIXTURE TOTAL INPUT WATTS	DRIVER TYPE (1)	MOUNTING	DESCRIPTION
A	LITHONIA FIXTURE: DSX1-LED-P6-40K-80CRI-T4M-MVOLT-SPA-PIR-DDBXD POLE: RTS-14-6-6B-DM19AS-FDLGFCI12A-DDBXD	LED	167	40° K	120	167	DIM	POLE E (E0.03)	AREA LUMINAIRE, LED, DARK BRONZE FINISH WITH RECEPTACLE MOUNTED IN POLE AND OPENING FOR DATA SYSTEM CABLING AT WAP LOCATION.
B	LITHONIA FIXTURE: (2)DSX1-LED-P9-40K-80CRI-T4M-MVOLT-SPA-PIR-DDBXD POLE: RTS-14-6-6B-DM19AS-FDLGFCI12A-DDBXD	LED	167	40° K	120	167	DIM	POLE E (E0.03)	SAME AS TYPE "A" EXCEPT FURNISHED WITH TWO FIXTURES. FIXTURES SHALL BE MOUNTED AT 180 DEGREES AS INDICATED ON THE PLANS. ONE FIXTURE SHALL BE MOUNTED AT 11'-6" AND THE OTHER AT 16'
C	LITHONIA FIXTURE: WST-LED-P3-40K-VR-MVOLT-BBW-PE-DDBXD	LED	56	40° K	120	56	DIM	WALL SURFACE	WALL MOUNTED AREA LUMINAIRE, LED, DARK BRONZE
D	LITHONIA CAT.# DSXF3LED-6-P4-70CRI-FL -MVOLT-YKC62-DDBXD	LED	189	4000° K	120V	189	-	YOLK	LED YOLK MOUNTED FLOOD LIGHT. FLOOD DISTRIBUTION

LIGHTING CONTROLS

1. PROVIDE NEW SURFACE MOUNTED TIME SWITCH (TIME CLOCK) MOUNTED ADJACENT TO EXISTING PANEL. ALL LIGHTING CIRCUITS ARE TO BE CONNECTED AND CONTROLLED BY THE NEW TIME SWITCH

FIXTURE NOTES

1. FIXTURE CONNECTIONS SHALL BE AS INDICATED ON THE PLANS AND SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF TITLE 24, CALIFORNIA ENERGY EFFICIENCY REGULATIONS.
2. CATALOG NUMBERS ARE BASED ON VENDOR INFORMATION, SALES LITERATURE AND PHOTOMETRIC DATA ON HAND AT THE TIME OF PROJECT DESIGN BY TURPIN & RATTAN ENGINEERING, INC. AND ARE INTENDED TO CONVEY THE FEATURES/PERFORMANCE REQUIRED. EACH FIXTURE MUST BE PROVIDED COMPLETE WITH ALL FITTINGS AS APPROPRIATE FOR PROPER MOUNTING AT THE LOCATIONS INDICATED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
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COMMISSIONED ARCHITECT

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2441 HONOLULU AVENUE, SUITE 200
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818 / 249 / 0444 fax 249 / 1467

STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN L. BOWEN — No. C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ANTONIO R. RATTAN — No. E14557 — EXP 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

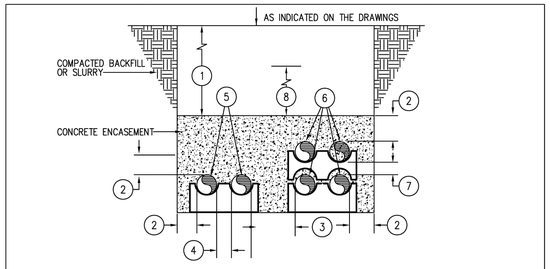
ELECTRICAL NOTES, FIXTURE LIST, AND PANEL SCHEDULE

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JK	CHECKED:	TR

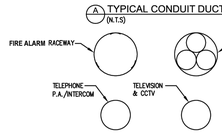
SHEET NUMBER:

E0.02

DATE: 6/13/2025



A TYPICAL CONDUIT DUCT BANK DETAIL (N.T.S)



B SAMPLE USE OR ARRANGEMENT OF SIGNAL CONDUITS (N.T.S)

1. 24" MINIMUM DEPTH TO TOP OF CONCRETE.
2. 3" MINIMUM ENCASEMENT AROUND CONDUITS.
3. 6" SEPARATION BETWEEN SIGNAL CONDUITS AND 600V OR LESS POWER CONDUITS.
4. 3" SEPARATION (MINIMUM) BETWEEN POWER CONDUITS.
5. POWER CONDUIT, SIZE AS REQUIRED, 1" MINIMUM.
6. SIGNAL SYSTEMS CONDUITS, 3" MINIMUM. LARGER SIZE MAY BE REQUIRED FOR MULTI-CELL RACEWAYS. SEE DETAIL "B" FOR SUGGESTED SYSTEM COMBINATIONS.
7. 3" SEPARATION (MINIMUM) BETWEEN SIGNAL CONDUITS.
8. WARNING TAPE LOCATED 12" ABOVE CONCRETE ENCASEMENT. EXCEPT WHEN BACKFILLED WITH SLURRY, THE TAPE SHALL SIT ON TOP OF THE SLURRY BENEATH THE COVER AND HARD SURFACE.

NOTES:

1. THIS DETAIL IS TO BE USED AS A GUIDE ONLY AND MUST BE MODIFIED FOR EACH SPECIFIC APPLICATION.
2. THE SIZE AND NUMBER OF CONDUITS MUST BE DETERMINED FOR EACH SPECIFIC APPLICATION.
3. THE CONDUIT FILL MUST NOT EXCEED 40%.
4. FOR SIGNAL CONDUITS, USE A 3" MINIMUM SIZE CONDUIT.
5. THE USE OF PRE-FABRICATED MULTI-CELL RACEWAYS UTILIZING INNERDUCTS CAN BE CONSIDERED.
6. TYPICALLY THE RACEWAYS FOR THE SIGNAL SYSTEMS INCLUDE FIRE ALARM, INTRUSION DETECTION, CLOCK, TELEPHONE, P.A./INTERCOM, TELEVISION, COMPUTER NETWORKING, AND CCTV SYSTEMS.
7. A REASONABLE CONDUIT SPACE FOR FUTURE USE MUST BE PROVIDED.

GENERAL NOTES:

USE OF INNER DUCT FOR COMBINATION OF SYSTEMS SUCH AS PUBLIC ADDRESS, SECURITY, CCTV, TEL , FIRE ALARM, ETC IN A SINGLE U.G. CONDUIT MAY BE ALLOWED IF A CONTINUOUS SEPARATION IS MAINTAINED BETWEEN SYSTEMS.

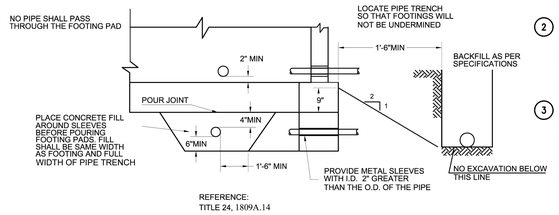
THE NUMBER OF CONDUITS MAY VARY DEPENDING ON THE DESIGN PARAMETERS AND REQUIREMENTS. DESIGNER SHALL COORDINATE SYSTEM REQUIREMENTS TO ELIMINATE NOISE, INTERFERENCE, ETC.

LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
ELECTRICAL STANDARD DETAILS
SIGNAL AND POWER CONDUIT DUCT BANKS DETAIL
EXISTING CONSTRUCTION

DRAWING No. E-105
DATE: JAN. 1, 2013

SIGNAL AND POWER CONDUIT DUCT BANKS (A / E0.03)

SCALE: NO SCALE



TYPICAL PIPE TRENCH/FOOTING DETAIL

DETAIL KEYNOTES

1. WALL ASSEMBLY - THE 1,2,3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.

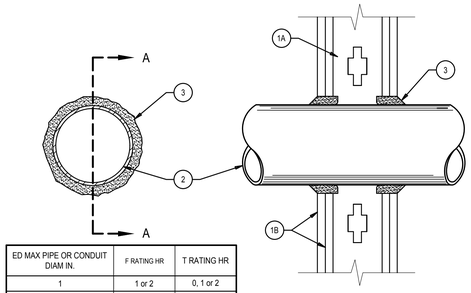
   B. GYPSUM BOARD* - NOMINAL 1/2 OR 5/8 IN.THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN.

2. THROUGH PENETRANT - ONE, CONDUIT INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (POINT CONTACT) TO MAX 2 IN. CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF CONDUITS MAY BE USED:

   A. CONDUIT - NOMINAL 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOMINAL 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8", 1-1/4, 1-7/8 AND 2-1/2 IN. THICKNESS OF CAULK FOR 1,2,3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

SYSTEM NO.W-L-1001
JUNE 15, 2005
F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS - 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ.FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ.FT



ED MAX PIPE OR CONDUIT DIAM IN.	F RATING HR	T RATING HR
1	1 or 2	0, 1 or 2
2	3 or 4	3 or 4

SECTION A-A

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT,

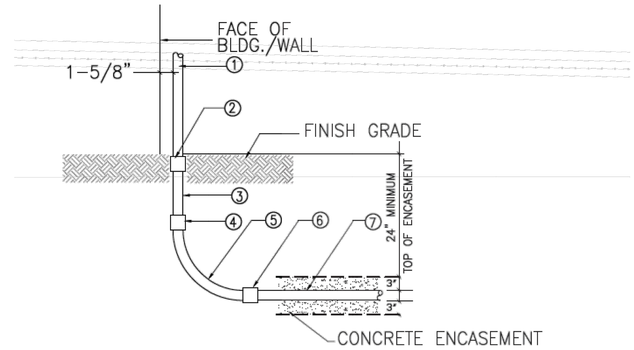
*BEARING THE UL CLASSIFICATION MARKING

GYPSUM BOARD WALL CONDUIT PENETRATION DETAIL (B / E0.03)

SCALE: NO SCALE

FLOOR PENETRATION NOTE:

FLOOR PENETRATIONS SHALL BE SEALED IN A SIMILAR MANNER. ALL FIRE RATINGS SHALL BE MAINTAINED.

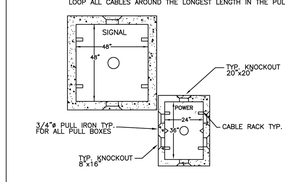


1. RIGID METAL CONDUIT NIPPLE-IF REQUIRED TO TERMINATE IN PULLBOX.
2. RIGID METAL COUPLING, TOP TO 1/2" TO 2" BELOW FINISH GRADE.
3. RIGID METAL NIPPLE.
4. RIGID METAL COUPLING.
5. RIGID METAL ELBOW (90 DEG. FACTORY BEND).
6. P.V.C. TO RIGID METAL FEMALE ADAPTER.
7. P.V.C. CONDUIT - SIZE PER PLAN.
8. ALL GALVANIZED RIGID CONDUIT INSTALLED BELOW GRADE SHALL BE WRAPPED IN 10 MIL TAPE. BENDS AT RISERS AND RISERS SHALL BE PVC-COATED RIGID STEEL CONDUIT, PER LAUSD SPECIFICATION 26 0533, 3.01(B)(6)

UNDERGROUND CONDUIT RISER DETAIL (C / E0.03)

SCALE: NO SCALE

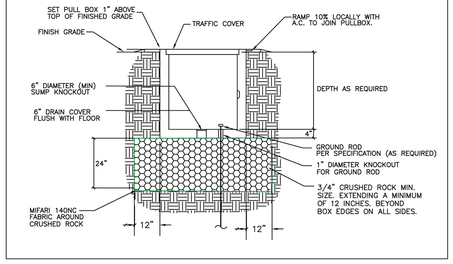
1. IN THE PRECAST CONCRETE PULL BOXES FURNISH AND INSTALL CABLE RACKS ON WALLS INDICATED. EACH RACK SHALL BE EQUIPPED WITH THREE PORCELAIN CABLE HOLDERS ON A VERTICAL STEEL MOUNTING BAR. BOLT HOLES SHALL BE PRE-CAST PULL BOXES QUICKSET UTILITY VAULT SERIES TPB-1-D01 OR EQUAL WITH STAINLESS STEEL FLAT HEAD SCREWS AND SELF CLEANING HOLES. LOOP ALL CABLES AROUND THE LONGEST LENGTH IN THE PULL BOX.



USE A BARRIER OR PROVIDE SEPARATE NONMETALLIC 8" X 8" X 4" PULL BOX INSTALLED INSIDE SIGNAL PULL BOX TO ISOLATE FIRE ALARM SYSTEM

ALL PULLBOXES FOR THIS PROJECT (POWER AND DATA) SHALL BE 24"X36" IN SIZE.

TYPICAL LAYOUT

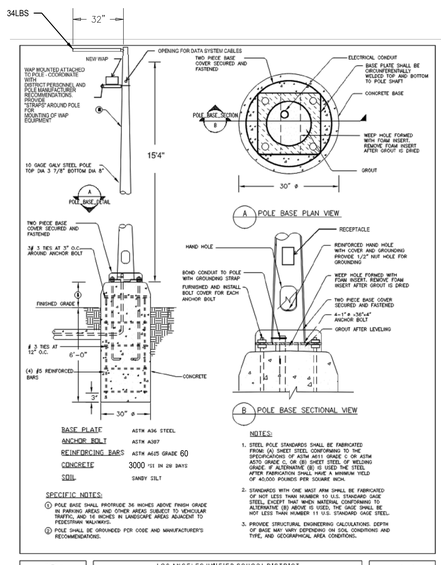


LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
ELECTRICAL STANDARD DETAILS
PRE-CAST CONCRETE PULL BOXES DETAILS
FOR PRIMARY CENTERS AND ELEMENTARY SCHOOLS

DRAWING No. E-101
DATE: JULY 9, 2019

TYPICAL GRADE MOUNTED JUNCTION BOX (D / E0.03)

NO SCALE



BASE PLATE	ASTM A36 STEEL
ANCHOR BOLT	ASTM A307
REINFORCING BARS	ASTM A615 GRADE 60
CONCRETE	3000 PSI IN 28 DAYS
SOIL	SANDY SILT

SPECIFIC NOTES:

1. POLE BASE SHALL PROTRUDE 36 INCHES ABOVE FINISH GRADE IN PARKING AREAS AND OTHER AREAS SUBJECT TO VEHICULAR TRAFFIC, AND 18 INCHES IN LANDSCAPE AREAS ADJACENT TO PEDESTRIAN WALKWAYS.
2. POLE SHALL BE GROUNDED PER CODE AND MANUFACTURER'S RECOMMENDATIONS.

NOTES:

1. STEEL POLE STANDARDS SHALL BE FABRICATED FROM (A) SHEET STEEL CONFORMING TO THE SPECIFICATIONS OF ASTM A611 GRADE C OR ASTM A570 GRADE C, OR (B) SHEET STEEL OF WELDING GRADE. IF ALTERNATIVE (B) IS USED THE STEEL AFTER FABRICATION SHALL HAVE A MINIMUM YIELD OF 40,000 POUNDS PER SQUARE INCH.
2. STANDARDS WITH ONE WAGT ARM SHALL BE FABRICATED OF NOT LESS THAN NUMBER 10 U.S. STANDARD GAGE STEEL, EXCEPT THAT WHEN MATERIAL CONFORMING TO ALTERNATIVE (B) ABOVE IS USED, THE GAGE SHALL BE NOT LESS THAN NUMBER 11 U.S. STANDARD GAGE STEEL.
3. PROVIDE STRUCTURAL ENGINEERING CALCULATIONS. DEPTH OF BASE MAY VARY DEPENDING ON SOIL CONDITIONS AND TYPE, AND GEOGRAPHICAL AREA CONDITIONS.

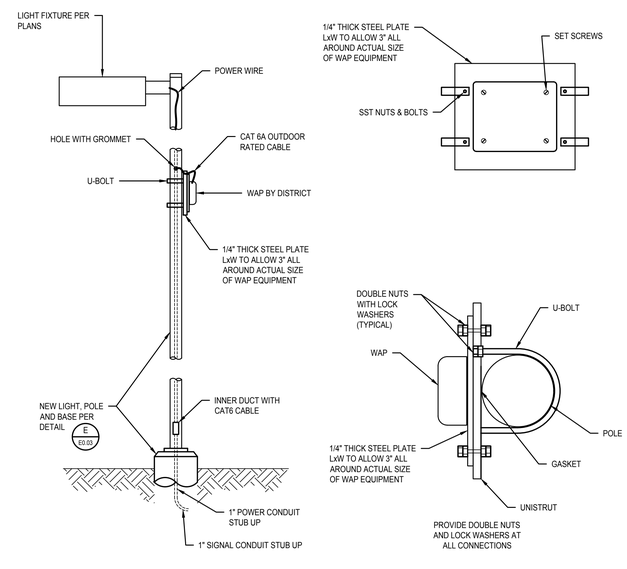
LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
ELECTRICAL STANDARD DETAILS
LIGHTING STANDARDS FOOTING DETAIL

DRAWING No. E-303
DATE: SEPT 16, 2021

NOTE: **TESTING + INSPECTION EXEMPTIONS APPLY.**
REFER TO DSA 103 FORM.
PER IR A-22; STRUCTURAL AND FLS REVIEW ARE NOT REQUIRED FOR LIGHT POLES LESS THAN OR EQUAL TO 35 FEET IN HEIGHT. ACS REVIEW IS STILL REQUIRED.

POLE FOUNDATION DETAIL - 10' HIGH POLE (14' MAX) (E / E0.03)

SCALE: NO SCALE



WIRELESS ACCESS POINT MOUNTING DETAIL (F / E0.03)

SCALE: NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
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STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN L. PARKER — No. C36535 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ANTONIO RATTAN — No. E14539 — EXP 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

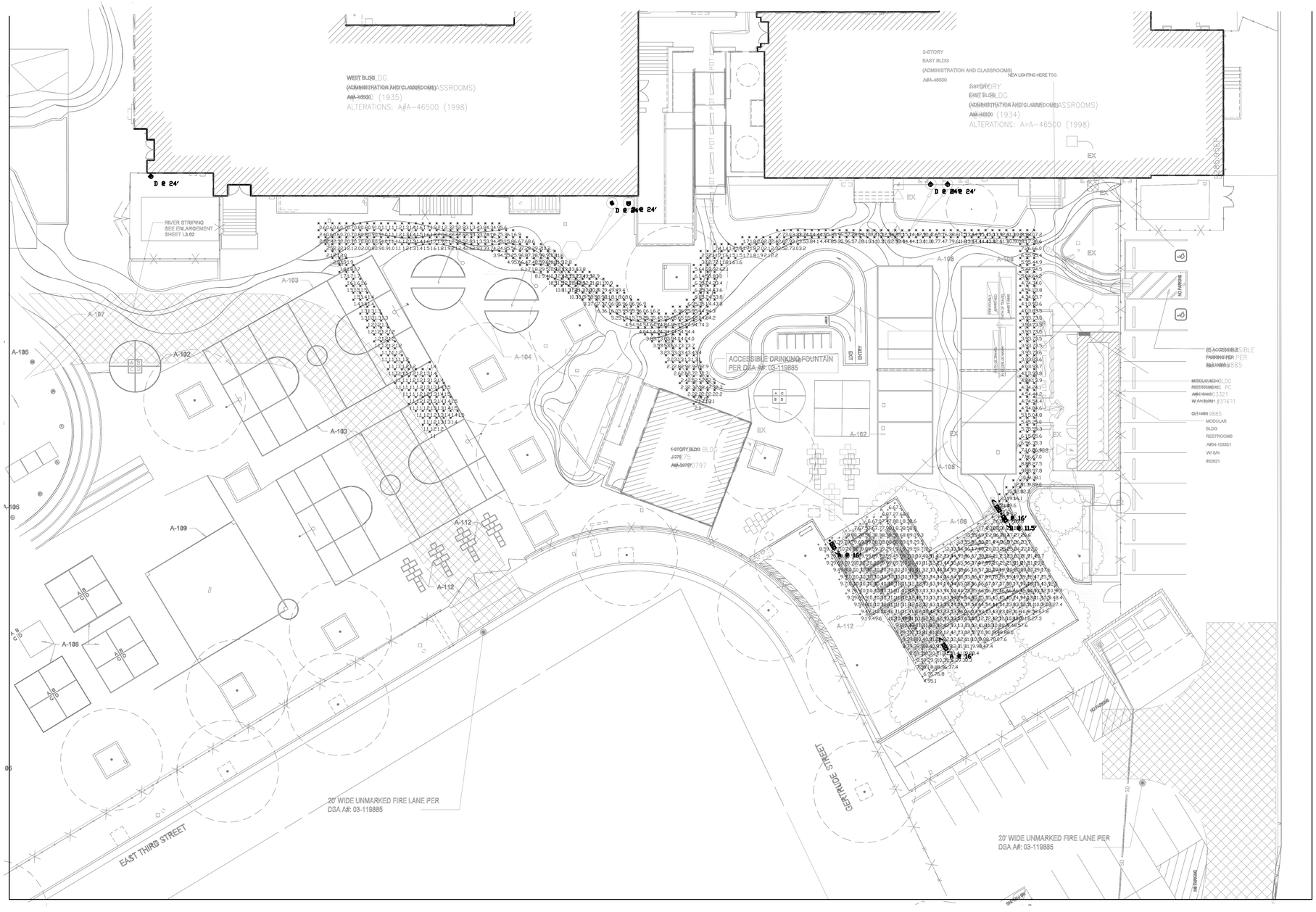
ELECTRICAL DETAILS

PROJECT NO.: 23012.00 | PROJECT ARCH: KB
DRAWN: JK | CHECKED: TR

SHEET NUMBER:

E0.03

DATE: 6/13/2025



Schedule

Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	A	3	Lithonia Lighting	DSX1 LED P6 40K 80CRI T4M (16'-0" AFG PDT HEIGHT)	D-Series Size 1 Area Luminaire P6 Performance Package 4000K CCT 80 CRI Type 4 Medium	1	19126	0.9	165.25
	B	1	Lithonia Lighting	DSX1 LED P9 40K 80CRI T4M (11'-6" AFG PDT HEIGHT)	D-Series Size 1 Area Luminaire P9 Performance Package 4000K CCT 80 CRI Type 4 Medium	1	31667	0.9	277.07
	C	0	Lithonia Lighting	VST LED P3 40K VF MVOLT (12' WALL MOUNT HEIGHT)	VARIOUS LED, Performance package 3, 4000 K, 1 visual comfort forward throw, MVOLT	1	6609	0.9	50
	D	5	Lithonia Lighting	DSXF3 LED 6 P4 40K 70CRI FL (25' WALL MOUNT HEIGHT)	D-Series Floodlight Size 3 with 6 LEDs P4 1 Lumen Package 4000 CCT 70CRI Type FL Distribution	1	Absolute	0.9	189.03

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PATH OF TRAVEL (POT)		4.8 fc	21.4 fc	0.6 fc	35.7:1	8.0:1
SITE		12.9 fc	31.0 fc	4.9 fc	6.3:1	2.6:1

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DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
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SS ☑ FLS ☑ ACS ☑
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03-125303

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ASSET MANAGEMENT
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LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
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PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
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LOS ANGELES, CA 90033

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MONTROSE, CA 91020-1823
818 / 249 / 0444 fax 249 / 1467

STAMPS/SEALS

LICENSED ARCHITECT
AUSTIN LAWRENCE
C-36535
RENEWS 6-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ANTONIO RODRIGUEZ
No. E-14557
EXP 6-30-26
ELECTRICAL
STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

PARTIAL SITE PLAN
- LIGHTING LEVELS

PROJECT NO.: 23012.00
PROJECT ARCH: KB
DRAWN: JK
CHECKED: TR

SHEET NUMBER:

E0.04

DATE: 6/13/2025

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: OLE - 2nd STREET ELEMENTARY	Report Page:	(Page 1 of 9)
Project Address:	Date Prepared:	2025-06-09T16:07:43-04:00

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	LOS ANGELES		
02	Climate Zone	9	04	Total Illuminated Hardscape Area (ft^2) 18426
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 - Urban Clusters ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Rural Areas ☒ LZ-3: Moderately High - Urban Areas

05 Occupancy Types within Project
- Classroom

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ 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
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[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.*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: OLE - 2nd STREET ELEMENTARY	Report Page:	(Page 2 of 9)
	Date Prepared:	2025-06-09T16:07:43-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv														Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
780.95	+	---	+	---	+	---	+	331.67	OR	---	=	1,112.62	≥	668	COMPLIES
Shielding Compliance (See Table G for Details)															COMPLIES
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: OLE - 2nd STREET ELEMENTARY	Report Page:	(Page 3 of 9)
	Date Prepared:	2025-06-09T16:07:43-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

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 is Wattage determined	Total Number Luminaires[3]	Luminaire Status[4]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)[1][4]	Field Inspector	
										Pass	Fail
A & B	LED POLE-MOUNTED AREA LIGHT	☐ Linear	167	Mfr. Spec	4	New	☐	668	Provided	☐	☐
							Total Design Watts:	668			

* 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)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet 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 shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating[2]			Uplight Rating[3]			Glare Rating (Lumens)[2]			Field Inspector	
		Mounting Height[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail
A & B	LED POLE-MOUNTED AREA LIGHT	2 MH from property line	No Limit	B3	Area Lighting	U0	U0	> 2 MH from property line	G3	G3	☐	☐

[1] *FOOTNOTES: Mounting Height is labeled MH in this table.*
[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)*
[3] *BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. if Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates 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.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
OUTDOOR CLASSROOM: "A & B"	Astronomical Timer	Provided	Provided	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: OLE - 2nd STREET ELEMENTARY	Report Page:	(Page 6 of 9)
	Date Prepared:	2025-06-09T16:07:43-04:00

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. 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.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01			
	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☒ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft^2)	Allowed Density (W/ft^2)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
OUTDOOR CLASSROOM	18426	0.021	386.95	720	0.2	144	530.95
Initial Wattage Allowance for Entire Site (Watts):							250
Instances of Initial Wattage Allowance (LZ 0 only)[1]							
Total General Hardscape Allowance (Watts):							780.95

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
Area Description	Specific Area Type per Table 140.7-B	CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				Additional Allowance (Watts)
		Specific Area (ft^2)[1]	Allowed Density (W/ft^2)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	
OUTDOOR CLASSROOM AREA	SecurityCameraArea	18426	0.01	331.67	A & B	167	4	668	331.67
Total Design Watts for this Area:								668	
Total Allowance (Watts) All Areas:									331.67

[1] *FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft^2 for these additional lighting allowances.*
[2] *For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.*

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: OLE - 2nd STREET ELEMENTARY	Report Page:	(Page 8 of 9)
	Date Prepared:	2025-06-09T16:07:43-04:00

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included 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/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	OUTDOOR CLASSROOM: "A & B"

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: OLE - 2nd STREET ELEMENTARY	Report Page:	(Page 9 of 9)
Project Address:	Date Prepared:	2025-06-09T16:07:43-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Rick Kraut	Documentation Author Signature:
Company: Turpin & Rattan Engineering, Inc.	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

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:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
City/State/Zip:	Phone:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL
1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS
100 West Villa Street
Suite 101
Pasadena, California 91103

T: 626.432.5000
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CONSULTANT

23190.M00
TURPIN & RATTAN Engineering, Inc.
Consulting Engineers
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 fax 249 / 1467

STAMPS/SEALS

LICENSED ARCHITECT — KRISTYN L. KRIDELI — C-36526 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ANTONIO RODRIGUEZ — EXP 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

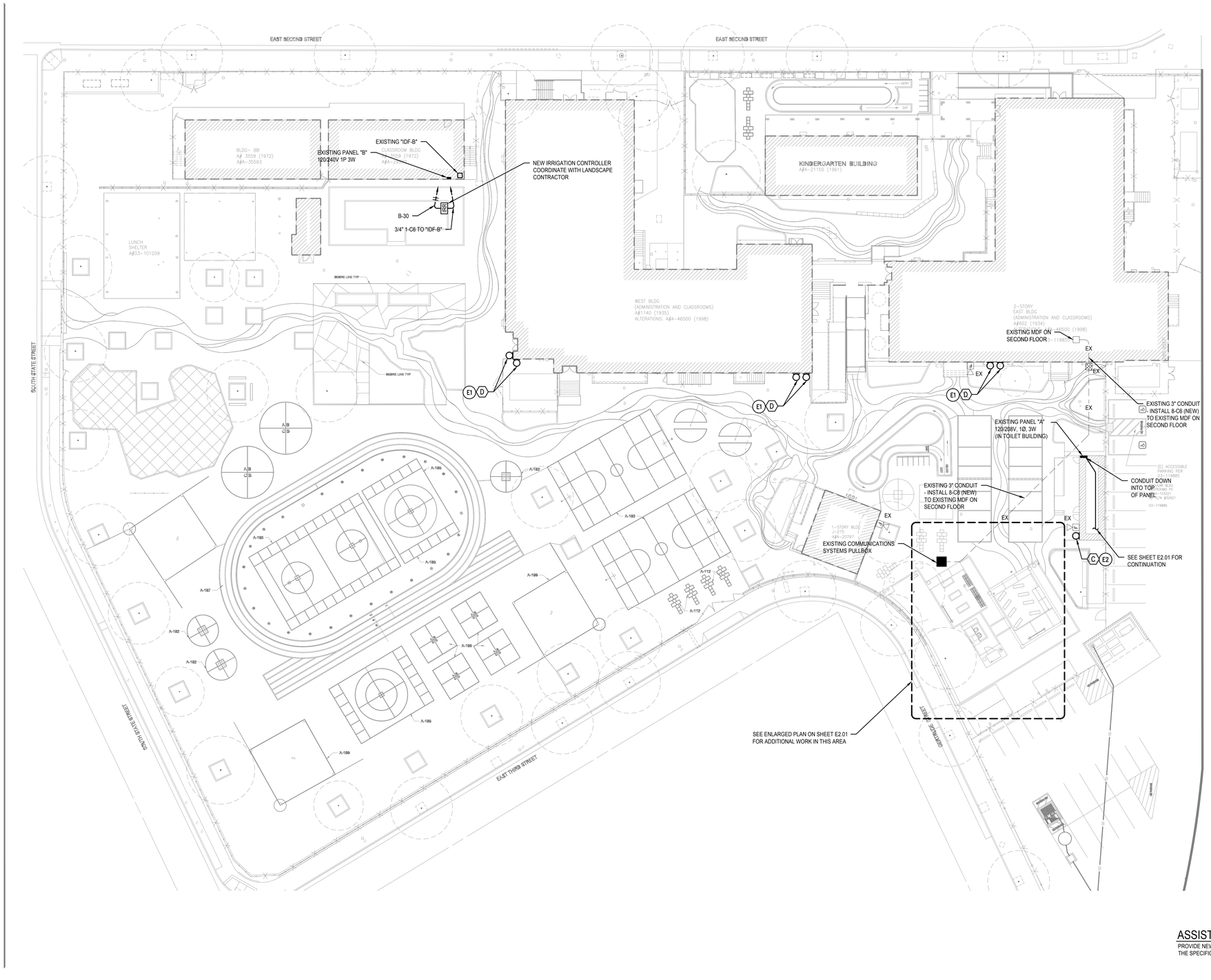
TITLE 24 DOCUMENTATION

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JK	CHECKED:	TR

SHEET NUMBER:

E0.05

DATE: 6/13/2025



ASSISTIVE LISTENING SYSTEM NOTES

PROVIDE NEW ASSISTIVE LISTENING SYSTEM PER CBC 11B-219. REFER TO THE SPECIFICATIONS. SIGNAGE PER THE ARCHIITECTURAL PLANS

ELECTRICAL KEY NOTES - THIS SHEET ONLY

E1 EXISTING YOLK MOUNTED FLOOD LIGHT. REMOVE EXISTING FIXTURE AND REPLACE WITH FIXTURE AS NOTED. RECONNECT TO EXISTING CIRCUIT TO MATCH EXISTING OPERATION. RETURN REMOVED FIXTURE TO LAUSD.

E2 EXISTING BUILDING MOUNTED LIGHT FIXTURE. REMOVE EXISTING FIXTURE AND REPLACE WITH FIXTURE AS NOTED. RECONNECT TO EXISTING CIRCUIT TO MATCH EXISTING OPERATION. RETURN REMOVED FIXTURE TO LAUSD.

SITE PLAN - ELECTRICAL

SCALE: 1" = 20'-0"

NORTH

0 10' 20' 40' 60'
1" = 20'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 23RD FLOOR
LOS ANGELES, CALIFORNIA 90017
PHONE: 213-241-4148
FAX: 213-241-2063

PROJECT TITLE & SCHOOL LOCATION

OUTDOOR LEARNING ENVIRONMENT (OLE)
2ND STREET ELEMENTARY SCHOOL

1942 E. 2ND STEET
LOS ANGELES, CA 90033

COMMISSIONED ARCHITECT

PBWS ARCHITECTS

100 West Villa Street
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T: 626.432.5000
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CONSULTANT

23190.M00
TURPIN & RATTAN
Engineering, Inc.
Consulting Engineers
2441 HONOLULU AVENUE, SUITE 200
MONTROSE, CA 91020-1823
818 / 249 / 0444 fax 249 / 1467

STAMPS/SEALS

LICENSED ARCHITECT
KRISTYN L. BOWEN
LIC. C36335
RENEWS 6-30-27
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
ANTONIO RATTAN
No. E14547
EXP 6-30-26
ELECTRICAL
STATE OF CALIFORNIA

DSA BACK CHECK 12/10/2025

SHEET TITLE:

SITE PLAN
- ELECTRICAL

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JK	CHECKED:	TR

SHEET NUMBER:

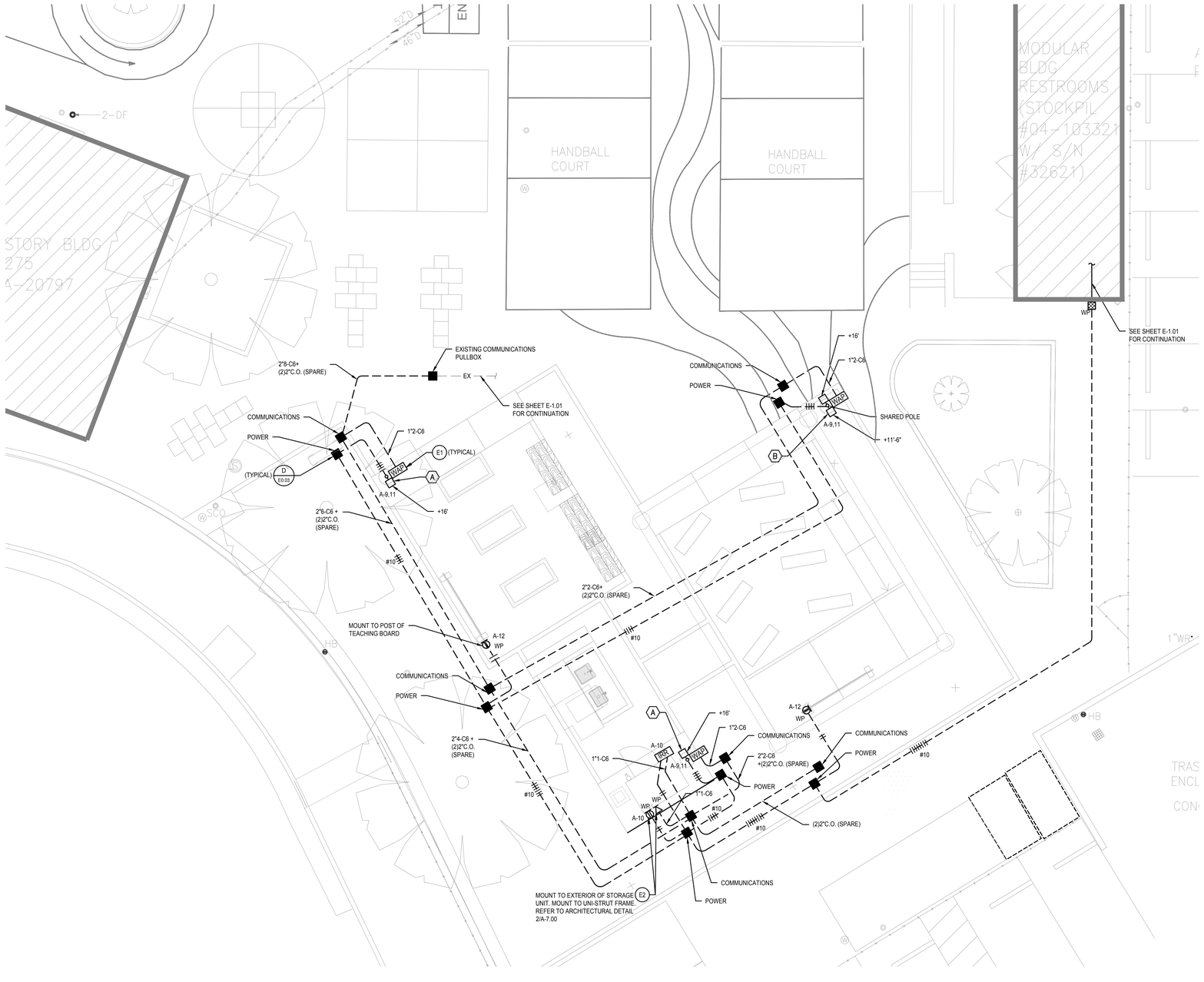
E1.01

DATE: 6/13/2025

KEYNOTES - THIS SHEET ONLY

E1 COORDINATE INSTALLATION OF WAP WITH DISTRICT PERSONNEL. WAP SHALL BE MOUNTED TO POLE WITH APPROVED MOUNTING METHOD. METHOD SHALL BE PER FINAL POLE MANUFACTURER.

E2 ATTACH TO THE NEW UNI-STRUT. REFER TO DETAIL 2/A-7.00



ENLARGED SITE PLAN - ELECTRICAL

SCALE: 3/16" = 1'-0"

NORTH

0 2' 4' 10' 16'

3/16" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

03-125303

LOS ANGELES UNIFIED SCHOOL DISTRICT

ASSET MANAGEMENT
FACILITIES SERVICES DIVISION

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MONTROSE, CA 91020-1823
818 / 249 / 0444 fax 249 / 1467

STAMPS/SEALS

LICENSED ARCHITECT — AUSTIN LAUNER — C-36632 — RENEWS 6-30-27 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — ANTONIO RUIZ — E-14457 — EXP 6-30-26 — ELECTRICAL — STATE OF CALIFORNIA

DSA BACK CHECK	12/10/2025

SHEET TITLE:

ENLARGED SITE PLAN - ELECTRICAL

PROJECT NO.:	23012.00	PROJECT ARCH:	KB
DRAWN:	JK	CHECKED:	TR

SHEET NUMBER:

E2.01

DATE: 6/13/2025

USASHADE
& Fabric Structures, Inc.

FABRIC SHADE STRUCTURE

DSA P.C. 04-123501

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
3. SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.
4. PRIOR TO SUBMITTAL ARCHITECT OF RECORD SHALL IDENTIFY PC MODEL(S) SELECTED BY END USER ON SHEETS T-1.0 AND T-2.0 BY CHECKING THE APPROPRIATE BOX ASSOCIATED WITH SELECTED PC MODEL(S). EXCLUDE SHEETS FOR MODELS NOT SELECTED.

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

1. COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC SIZE OF THE SHADE STRUCTURE(S).
2. PROVIDE A CODE ANALYSIS, INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTIONS (V-B). INDICATE OCCUPANT LOAD FACTOR (2022 CBC, SECTION 1004).
3. ACTUAL DIMENSIONS OF SHADE STRUCTURES.
4. DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES.
5. INDICATE LOCATIONS OF FIRE EXTINGUISHERS WITHIN 75 FEET.
6. SHOW LOCATION OF AUDIBLE FIRE ALARM.
7. ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES "A, B, & C", RESPECTIVELY, IN ASCE/SEI 19-16, "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS."
8. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORTS REQUIREMENTS SHALL COMPLY WITH DSA IR A-4.
9. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA.

FOR SNOW LOAD MODELS ONLY:

10. INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. MINIMUM DIMENSION OF 20'-0" FOR SNOW LOAD MODEL (ASCE 7-16).
11. ACTUAL SITE ELEVATION (FEET) TO DETERMINE IF THE SITE OCCURS AT OR BELOW THE UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16.

P.C. NOTES

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

LIST OF APPLICABLE CODES:

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
- 2022 CALIFORNIA ELECTRICAL CODE (CEC) , PART 3, TITLE 24 C.C.R.
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS:

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

APPLICABLE CODES

SITE SPECIFIC PARAMETERS

INSTRUCTIONS: DESIGN PROFFESIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE

SEISMIC

SELECT ONE

☒ DESIGN BASED ON SITE CLASS $D_{default}$
NO GEOTECHNICAL INVESTIGATION REQUIRED
Ss = 2.417 Fa = 1.2

☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED
SITE CLASS: ☐ C ☐ D
Ss = _____ Fa = _____ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1

☐ DESIGN BASED ON SITE CLASS SPECIFIC GROUND MOTION HAZARD ANALYSIS
PER CHAPTER 21 OF ASCE 7-16
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS}, SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
CGS APPROVAL REQUIRED
NOT ELIGIBLE FOR OTC REVIEW
SITE CLASS: ☐ C ☐ D

S_{DS} = 2/3 Fa Ss = 1.933 ≤ 2.0
Cs = 1.6 USED IN DESIGN
SEISMIC DESIGN CATEGORY: ☒ D ☐ E

CODE ANALYSIS

OCCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTURE AREA (ft^2)

SITE SPECIFIC PARAMETERS

MANUFACTURER:

USA SHADE & FABRIC STRUCTURES
2580 ESTERS BOUVLEVARD, SUITE 100
DFW AIRPORT, TEXAS 75261
PH. 800-966-5005
W. www.usa-shade.com

ARCHITECT:

HIGGINSON ARCHITECTS, INC.
DAVID HIGGINSON, AIA, PRINCIPAL ARCHITECT
34247 YUCAIPA BOULEVARD, SUITE D
YUCAIPA, CALIFORNIA 92399
PH. 909-499-0058
E. dhigginson@higginsonarchitects.com
W. www.higginsonarchitects.com

LICENSED ARCHITECT
DAVID HIGGINSON
C19168
10-31-25
RENEWAL DATE
STATE OF CALIFORNIA
8/19/24

STRUCTURAL ENGINEER:

MARK LOWE, S.E.
c/o USA SHADE AND FABRIC STRUCTURES

REGISTERED PROFESSIONAL ENGINEER
MARK ALBERT LOWE
No. 3693
STRUCTURAL
STATE OF CALIFORNIA
8/23/2024

ARCHITECT / ENGINEER

✓	SHEET NO.	SHEET DESCRIPTION	UNIT STRUCTURE TYPE	MAX. UNIT SIZE	UNIT MODEL NUMBER
X	T-1.0	TITLE SHEET			
X	T-2.0	UNIT SELECTION			
X	T-3.0	T&I FORMS			
	1.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 15'	DSA4012030-22
	1.2-2000	REACTIONS	HIP	20' x 30' x 15'	DSA4012030-22
	2.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 15'	DSA4013030-22
	2.2-2000	REACTIONS	HIP	30' x 30' x 15'	DSA4013030-22
	3.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 15'	DSA4013040-22
	3.2-2000	REACTIONS	HIP	30' x 40' x 15'	DSA4013040-22
	4.1-1000	PRODUCT INFORMATION	HIP	40' x 40' x 15'	DSA4014040-22
	4.2-2000	REACTIONS	HIP	40' x 40' x 15'	DSA4014040-22
	5.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 12'	DSA401203012-22
	5.2-2000	REACTIONS	HIP	20' x 30' x 12'	DSA401203012-22
X	6.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 12'	DSA401303012-22
X	6.2-2000	REACTIONS	HIP	30' x 30' x 12'	DSA401303012-22
	7.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 12'	DSA401304012-22
	7.2-2000	REACTIONS	HIP	30' x 40' x 12'	DSA401304012-22
	8.1-1000	PRODUCT INFORMATION	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	8.2-2000	REACTIONS	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22
	9.1-1000	PRODUCT INFORMATION	JOINED HIPS	VARIES	DSA401J-22
	9.2-1001	DETAILS	JOINED HIPS	VARIES	DSA401J-22
	9.3-2000	REACTIONS	JOINED HIPS	VARIES	DSA401J-22
	10.1-1000	PRODUCT INFORMATION	QUAD JOINED HIPS	VARIES	DSA401Q-22
	10.2-1001	DETAILS	QUAD JOINED HIPS	VARIES	DSA401Q-22
	10.3-2000	REACTIONS	QUAD JOINED HIPS	VARIES	DSA401Q-22
	11.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA2022030-22
	11.2-2000	REACTIONS	FULL CANTILEVER HIP SINGLE	20' x 30' x 15'	DSA2022030-22
	12.1-1000	PRODUCT INFORMATION	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA3022060-22
	12.2-2000	REACTIONS	FULL CANTILEVER HIP JOINED	20' x 200' x 15'	DSA3022060-22
	13.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	13.2-2000	REACTIONS	SINGLE POST PYRAMID	14' x 14' x 12'	DSA1031414-22
	14.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	14.2-2000	REACTIONS	SINGLE POST PYRAMID	20' x 20' x 12'	DSA1032020-22
	15.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	15.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	14' x 14' x 12'	DSA1241414-22
	16.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	16.2-2000	REACTIONS	SINGLE POST PYRAMID CANTILEVER	20' x 20' x 12'	DSA1242020-22
	17.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	17.2-2000	REACTIONS	MARINER PEAK	30' x 30' x 15'	DSA4073030-22
	18.1-1000	PRODUCT INFORMATION	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	18.2-2000	REACTIONS	MARINER PEAK	30' x 40' x 18'	DSA4073040-22
	19.1-1000	PRODUCT INFORMATION	MARINER PEAK JOINED	30' x 133' x 15'	DSA407J3060-22
	19.2-2000	REACTIONS	MARINER PEAK JOINED	30' x 133' x 15'	DSA407J3060-22
	20.1-1000	PRODUCT INFORMATION	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q6060-22
	20.2-2000	REACTIONS	MARINER PEAK QUAD	60' x 60' x 15'	DSA407Q6060-22
	21.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	21.2-2000	REACTIONS	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22
	22.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-22
	22.2-2000	REACTIONS	TRI TRUSS HIP JOINED	20' x 200' x 15'	DSA3052060-22
	23.1-1000	PRODUCT INFORMATION	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA30730-22
	23.2-2000	REACTIONS	TENSION SAILS THREE POINT	30' x 133' x 15'	DSA30730-22
	24.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182020-22
	24.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA4182020-22
	25.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-22
	25.2-2000	REACTIONS	TENSIONS SAILS FOUR POINT	30' x 133' x 15'	DSA4183030-22
	26.1-1000	PRODUCT INFORMATION	TRIANGLE	25' x 25' x 15'	DSA30125-22
	26.2-2000	REACTIONS	TRIANGLE	25' x 25' x 15'	DSA30125-22
	27.1-1000	PRODUCT INFORMATION	TRIANGLE	40' x 40' x 15'	DSA30140-22
	27.2-2000	REACTIONS	TRIANGLE	40' x 40' x 15'	DSA30140-22
	28.1-1000	PRODUCT INFORMATION	HEXAGON	Ø40' X 15'	DSA60340-22
	28.2-2000	REACTIONS	HEXAGON	Ø40' X 15'	DSA60340-22
	29.1-1000	PRODUCT INFORMATION	HEXAGON	Ø60' X 15'	DSA60360-22
	29.2-2000	REACTIONS	HEXAGON	Ø60' X 15'	DSA60360-22

TOTAL SHEET COUNT: 63 SHEETS

SHEET INDEX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures®

CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Los Angeles USD

PROJECT NAME:
2nd Street ES OLE

LOCATION:
1942 East 2nd Street
Los Angeles, CA 90033

MODEL NUMBER:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123501 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 12/11/2024

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code : 2022 CBC
A separate project application for construction is required.

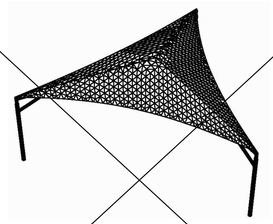
Eng. By :	DWH	8/19/23
Design By :	DWH	8/19/23
Approved By :	DWH	8/19/23

DRAWING DESCRIPTION:

DWG. TITLE SHEET

SHEET T-1.0

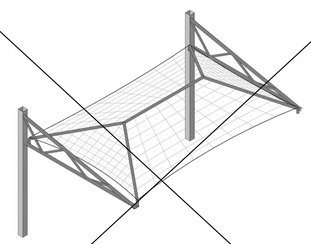
REV.



STRUCTURE MODEL:	DSA30125-22	SEE SHEET 26.1-1000
MAX. SIZE:	25' x 25' x 15'	
MAX. AREA:	271 SQ. FT.	
MAX. OCCUPANCY:	18 PERSONS	
STRUCTURE MODEL:	DSA30140-22	SEE SHEET 27.1-1000
MAX. SIZE:	40' x 40' x 15'	
MAX. AREA:	692 SQ. FT.	
MAX. OCCUPANCY:	46 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

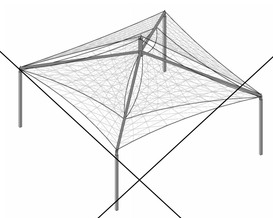
TRIANGLE



STRUCTURE MODEL:	DSA20620 30-22	SEE SHEET 21.1-1000
MAX. SIZE:	20' x 30' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

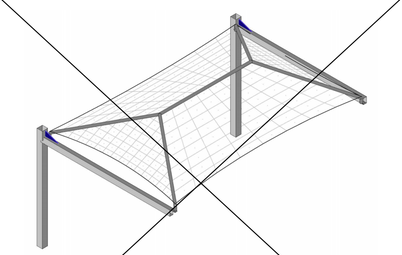
TRI-TRUSS HIP SINGLE WIDE



STRUCTURE MODEL:	DSA4073030-22	SEE SHEET 17.1-1000
MAX. SIZE:	30' x 30' x 15'	
MAX. AREA:	900 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	
STRUCTURE MODEL:	DSA4073040-22	SEE SHEET 18.1-1000
MAX. SIZE:	30' x 40' x 15'	
MAX. AREA:	1,200 SQ. FT.	
MAX. OCCUPANCY:	80 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

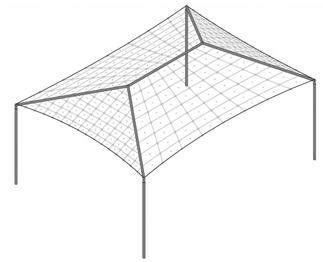
MARINER PEAK



STRUCTURE MODEL:	DSA2022030-22	SEE SHEET 11.1-1000
MAX. SIZE:	20' x 30' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

FULL CANTILEVER HIP SINGLE



STRUCTURE MODEL:	DSA4012030-22	SEE SHEET 1.1-1000
MAX. SIZE:	20' x 30' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	
STRUCTURE MODEL:	DSA4013030-22	SEE SHEET 2.1-1000
MAX. SIZE:	30' x 30' x 15'	
MAX. AREA:	900 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	
STRUCTURE MODEL:	DSA4013040-22	SEE SHEET 3.1-1000
MAX. SIZE:	30' x 40' x 15'	
MAX. AREA:	1,200 SQ. FT.	
MAX. OCCUPANCY:	80 PERSONS	
STRUCTURE MODEL:	DSA4014040-22	SEE SHEET 4.1-1000
MAX. SIZE:	40' x 40' x 15'	
MAX. AREA:	1,600 SQ. FT.	
MAX. OCCUPANCY:	106 PERSONS	
STRUCTURE MODEL:	DSA401203012-22	SEE SHEET 5.1-1000
MAX. SIZE:	20' x 30' x 12'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	
X STRUCTURE MODEL:	DSA401303012-22	SEE SHEET 6.1-1000
MAX. SIZE:	30' x 30' x 12'	
MAX. AREA:	900 SQ. FT.	
MAX. OCCUPANCY:	60 PERSONS	
STRUCTURE MODEL:	DSA401304012-22	SEE SHEET 7.1-1000
MAX. SIZE:	30' x 40' x 12'	
MAX. AREA:	1,200 SQ. FT.	
MAX. OCCUPANCY:	80 PERSONS	
STRUCTURE MODEL:	DSA401S2030-22 (20 psf SNOW LOAD)	SEE SHEET 8.1-1000
MAX. SIZE:	20' x 30' x 15'	
MAX. AREA:	600 SQ. FT.	
MAX. OCCUPANCY:	40 PERSONS	

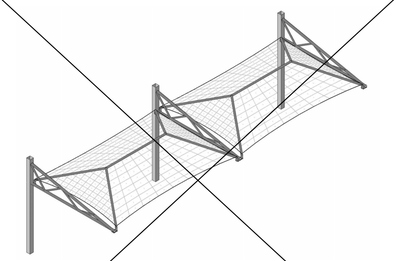
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

HIP

STRUCTURE MODEL:	DSA60340-22	SEE SHEET 28.1-1000
MAX. SIZE:	Ø40' x 15'	
MAX. AREA:	1,040 SQ. FT.	
MAX. OCCUPANCY:	69 PERSONS	
STRUCTURE MODEL:	DSA60360-22	SEE SHEET 29.1-1000
MAX. SIZE:	Ø60' x 15'	
MAX. AREA:	2,338 SQ. FT.	
MAX. OCCUPANCY:	156 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

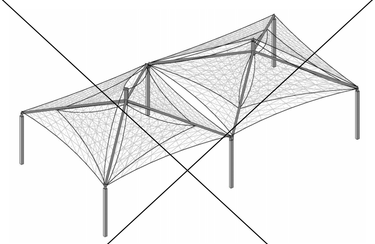
HEXAGON



STRUCTURE MODEL:	DSA3052060-22	SEE SHEET 22.1-1000
MAX. SIZE:	20' x 200' x 15'	
MAX. AREA:	4,000 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

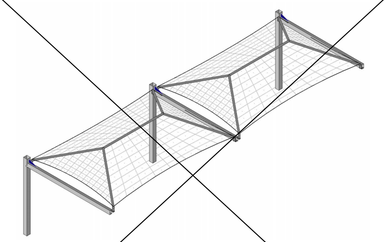
TRI-TRUSS HIP JOINED



STRUCTURE MODEL:	DSA407J3060-22	SEE SHEET 19.1-1000
MAX. SIZE:	30' x 133' x 15'	
MAX. AREA:	3,990 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

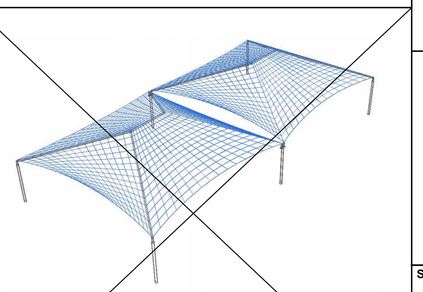
MARINER PEAK JOINED



STRUCTURE MODEL:	DSA3022060-22	SEE SHEET 12.1-1000
MAX. SIZE:	20' x 200' x 15'	
MAX. AREA:	4,000 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

FULL CANTILEVER HIP JOINED

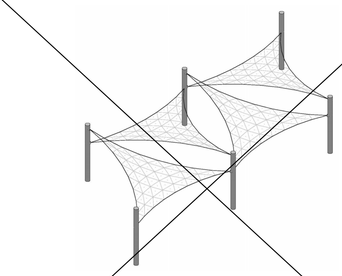


STRUCTURE MODEL:	DSA401J-22	SEE SHEET 9.1-1000
MAX. SIZE:	VARIES, SEE JOINED HIP UNIT SHEET	
MAX. AREA:	VARIES	
MAX. OCCUPANCY:	VARIES	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

JOINED HIP

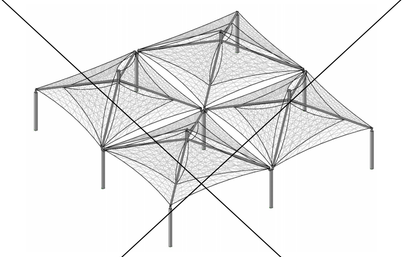
NOT USED



STRUCTURE MODEL:	DSA30730-22	SEE SHEET 23.1-1000
MAX. SIZE:	30' x 133' x 15'	
MAX. AREA:	3,990 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

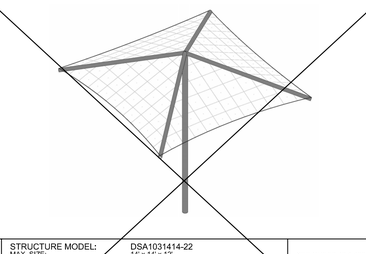
TENSIONS SAILS THREE-POINT



STRUCTURE MODEL:	DSA407Q6060-22	SEE SHEET 20.1-1000
MAX. SIZE:	60' x 60' x 15'	
MAX. AREA:	3,600 SQ. FT.	
MAX. OCCUPANCY:	240 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

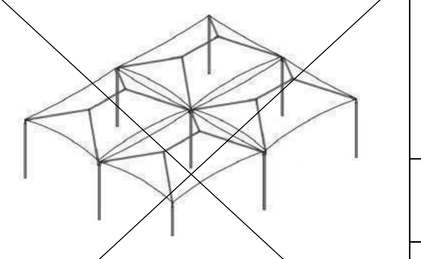
MARINER PEAK QUAD



STRUCTURE MODEL:	DSA1031414-22	SEE SHEET 13.1-1000
MAX. SIZE:	14' x 14' x 12'	
MAX. AREA:	196 SQ. FT.	
MAX. OCCUPANCY:	13 PERSONS	
STRUCTURE MODEL:	DSA1032020-22	SEE SHEET 14.1-1000
MAX. SIZE:	20' x 20' x 12'	
MAX. AREA:	400 SQ. FT.	
MAX. OCCUPANCY:	26 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

SINGLE POST PYRAMID

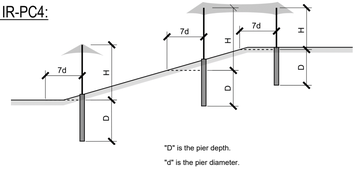


STRUCTURE MODEL:	DSA401Q-22	SEE SHEET 10.1-1000
MAX. SIZE:	VARIES, SEE QUAD HIP UNIT SHEET	
MAX. AREA:	VARIES	
MAX. OCCUPANCY:	VARIES	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

QUAD HIP

PER IR-PC4:



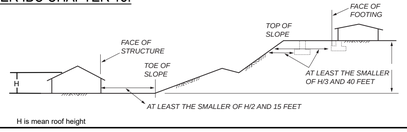
"D" is the pier depth.

"d" is the pier diameter.

"7d" is the horizontal plane projected from 7 times d.

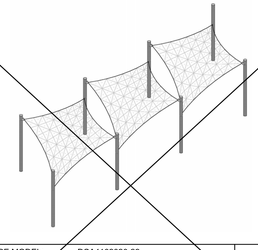
"H" is the theoretical column height (column height plus part of projected height)

PER IBC CHAPTER 18:



H is mean roof height

PC SLOPE DESIGN PARAMETERS

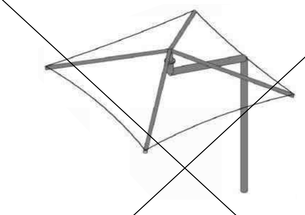


STRUCTURE MODEL:	DSA4182020-22	SEE SHEET 24.1-1000
MAX. SIZE:	20' x 200' x 15'	
MAX. AREA:	4,000 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	
STRUCTURE MODEL:	DSA4183030-22	SEE SHEET 25.1-1000
MAX. SIZE:	30' x 133' x 15'	
MAX. AREA:	3,990 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

TENSIONS SAILS FOUR-POINT

NOT USED



STRUCTURE MODEL:	DSA1241414-22	SEE SHEET 15.1-1000
MAX. SIZE:	14' x 14' x 12'	
MAX. AREA:	196 SQ. FT.	
MAX. OCCUPANCY:	13 PERSONS	
STRUCTURE MODEL:	DSA1242020-22	SEE SHEET 16.1-1000
MAX. SIZE:	20' x 20' x 12'	
MAX. AREA:	400 SQ. FT.	
MAX. OCCUPANCY:	26 PERSONS	

FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0

SINGLE POST PYRAMID CANTILEVER

LICENSED ARCHITECT
DAVID HIGGINSON
C19168
10-31-25
RENEWAL DATE
STATE OF CALIFORNIA
8/19/24

REGISTERED PROFESSIONAL ENGINEER
MARK ALBERT LOVE
No. 3693
STRUCTURAL
STATE OF CALIFORNIA
8/23/2024

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures®

CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:

IAS CERTIFICATION No: FA-428

CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:

Los Angeles USD

PROJECT NAME:

2nd Street ES OLE

LOCATION:

1942 East 2nd Street
Los Angeles, CA 90033

MODEL NUMBER:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123501 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 12/11/2024

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
Code : 2022 CBC
A separate project application for construction is required.

Eng. By :	DWH	8/19/23
Design By :	DWH	8/19/23
Approved By :	DWH	8/19/23

DRAWING DESCRIPTION:

DWG. UNIT SELECTION

SHEET T-2.0

REV.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

General

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
DSA File Number: PC-140 | **Increment Number:** | **Date Created:** 2024-08-06 15:16:59

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required **Periodic –** Indicates that a periodic special inspection is required **Test –** Indicates that a test is required	**GE (Geotechnical Engineer) –** Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record) –** Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection) –** Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
DSA File Number: PC-140 | **Increment Number:** | **Date Created:** 2024-08-06 15:16:59

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S1. GENERAL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings must not contain loose material, mud, organic silt, organic clays, or peat.	**See Notes**	**PI**	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations and/or within the building envelope is not permitted without a geotechnical report.

	S2. SOIL COMPACTION AND FILL:	see T&I Note #7 for additional information		
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Perform classification and testing of fill materials.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☐	**b.** Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	**Continuous**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☐	**c.** Compaction testing.	**Test**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.

	S3. DRIVEN DEEP FOUNDATIONS (PILES):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify pile materials, sizes and lengths comply with the requirements.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.

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Table 1705A.6, Table 1705A.7, Table 1705A.8

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**b.** Determine capacities of test piles and conduct additional load tests as required.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☐	**c.** Inspect driving operations and maintain complete and accurate records for each pile.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**d.** Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**e.** Steel piles.	Provide tests and inspections per STEEL section below.		
☐	**f.** Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐	**g.** For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):	see T&I Note #8 for additional information		
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☑	**a.** Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**b.** Verify pier locations, diameters, plumbness and lengths Record concrete or grout volumes.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**c.** Concrete piers.	Provide tests and inspections per CONCRETE section below.		

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
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	S5. RETAINING WALLS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Placement, compaction and inspection of backfill.	**Continuous**	**GE***	**1705A.6.1.** * By geotechnical engineer or his or her qualified representative. (See section S2 above).
☐	**b.** Placement of soil reinforcement and/or drainage devices.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.** Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐	**d.** Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	**e.** Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

	S6. OTHER SOILS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Soil Improvements	**Test**	**GE***	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
☐	**b.** Inspection of Soil Improvements	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.**			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
DSA File Number: PC-140 | **Increment Number:** | **Date Created:** 2024-08-06 15:16:59

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of required design mix.	**Continuous**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	**b.** Identify, sample, and test reinforcing steel.	**Test**	**LOR**	**1910A.2;** ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	**c.** During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	**Table 1705A.3 Item 6**; ACI 318-19 Sections 26.5 & 26.12.
☑	**d.** Test concrete (F.).	**Test**	**LOR**	**1905A.1.17**; ACI 318-19 Section 26.12.
☑	**e.** Batch plant inspection: **Not Required**	**See Notes**	**SI**	Default of '**Continuous**' per **1705A.3.3**. If approved by DSA, batch plant inspection may be reduced to '**Periodic**' subject to requirements in Section **1705A.3.3.1.**, or not required per **1705A.3.3.2.** See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	**f.** Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Sample and test prestressing tendons and anchorages.	**Test**	**LOR**	**1705A.3.4, 1910A.3**
☐	**b.** Inspect placement of prestressing tendons.	**Periodic**	**SI**	**1705A.3.4, Table 1705A.3 Items 1 & 9.**

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Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**c.** Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Periodic**	**SI**	**Table 1705A.3 Item 13.** Special inspector to verify specified concrete strength test prior to stressing.
☐	**d.** Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**Continuous**	**SI**	**1705A.3.4, Table 1705A.3 Item 9**; ACI 318-19 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect fabrication of precast concrete members.	**Continuous**	**SI**	ACI 318-19 Section 26.13, and PCI MNL-128 and -130.
☐	**b.** Inspect erection of precast concrete members.	**Periodic**	**SI***	**Table 1705A.3 Item 10.** * May be performed by PI when specifically approved by DSA.
☐	**c.** For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	**Continuous**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	**d.** Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	**Periodic**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (CONCRETE), 2022 CBC

Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
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	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect shotcrete placement for proper application techniques.	**Continuous**	**SI**	**1705A.5.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3.** See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	**b.** Sample and test shotcrete (F.).	**Test**	**LOR**	**1908A.2, 1705A.3.9**

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect installation of post-installed anchors	**See Notes**	**SI***	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318-19 Section 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	**b.** Test post-installed anchors.	**Test**	**LOR**	**1910A.5.** (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
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	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. •Material sizes, types and grades comply with requirements.	**Periodic**	*****	**Table 1705A.2.1 Item 3a–3c**, 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	**c.** Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
☑	**d.** Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
☐	**e.** Buckling restrained braces.	**Test**	**LOR**	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:	see Testing Matrix table for additional information		
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Periodic**	**SI**	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☑	**b.** Test high-strength bolts, nuts and washers.	**Test**	**LOR**	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC 2014 Section 7.2; DSA IR 17-8.
☑	**c.** Bearing-type ("snug tight") connections.	**Periodic**	**SI**	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☑	**d.** Pretensioned and slip-critical connections.	*****	**SI**	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9 *"Continuous" or "Periodic" depends on the tightening method used.

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
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	S/A3. WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**Periodic**	**SI**	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	**Periodic**	**SI**	DSA IR 17-3.
☑	**c.** Verify WPS, welder qualifications and equipment.	**Periodic**	**SI**	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect welding of stairs and railing systems.	**Periodic**	**SI**	**1705A.2.1**; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	**d.** Verification of reinforcing steel weldability other than ASTM A706.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**e.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
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	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4**; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≤ 5/16".	**Periodic**	**SI**	**Table 1705A.2.1 Item 5a.5;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect end-welded studs (ASTM A-108) installation (including bend test).	**Periodic**	**SI**	**2213A.2**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	**d.** Inspect floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Item 5a.6;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	**e.** Inspect welding of structural cold-formed steel.	**Periodic**	**SI***	**1705A.2.5; AWS D1.3; DSA IR 17-3.** The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	**f.** Inspect welding of stairs and railing systems.	**Periodic**	**SI***	**1705A.2.1**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	**g.** Verification of reinforcing steel weldability.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**h.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

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1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
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	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**c.**	**Test**	**LOR**	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**Continuous**	**SI**	**1705A.2.3, Table 1705A.2.3**; AWS D1.1; DSA IR 22-3 for new joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
DSA File Number: PC-140 | **Increment Number:** | **Date Created:** 2024-08-06 15:16:59

	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**Periodic**	**SI**	**1705A.15, 1705A.15.1, 1705A.15.2, 1705A.15.3, 1705A.15.4, 1705A.15.5, 1705A.15.6.**
☐	**b.** Test density.	**Test**	**LOR**	**1705A.15.1, 1705A.15.5, ASTM E605**
☐	**c.** Bond strength adhesion/cohesion.	**Test**	**LOR**	**1705A.15.1, 1705A.15.6, ASTM E736**

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:	see T&I Note #9 for additional information		
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Anchor Bolts and Anchor Rods	**Test**	**LOR**	Identify, sample and test anchor bolts and anchor rods **not** meeting exemptions identified in Section 1 of IR 17-11.
☑	**b.** Threaded rod not used for foundation anchorage.	**Test**	**LOR**	Identify, sample and test threaded rods **not** meeting exemptions identified in Section 1 of IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	**Periodic**	**SI**	Table 1705A.13.7
☐	**b.** Fabricated storage rack elements.	**Periodic**	**SI**	1704A.2.5; Table 1705A.13.7

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123501 | **School Name:** PCC FABRIC SHADE STRUCTURES | **School District:** USA SHADE AND FABRIC STRUCTURES
DSA File Number: PC-140 | **Increment Number:** | **Date Created:** 2024-08-06 15:16:59

	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Storage rack anchorage installation.	**Periodic**	**SI**	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
☐	**d.** Completed storage rack system to indicate compliance with the approved construction documents.	**Periodic**	**SI***	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

GENERAL DSA-103 NOTES:

1. THE SAMPLE DSA-103 FORM PROVIDED ON THIS SHEET IS FOR ILLUSTRATIVE PURPOSES ONLY TO ASSIST IN THE COMPLETION OF SPECIFIC DSA-103 FORMS FOR FUTURE PROJECTS.
2. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS P.C. DOCUMENT IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS SHEET

TESTING AND INSPECTION NOTES:

NOTE: TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.

1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2. IF THE TOTAL AREA OF THE SHADE STRUCTURE(S) IS LESS THAN 2,000 SQ. FT. WITH NO FIELD WELDING OR HIGH-STRENGTH FASTENERS THEN THE SITE PROJECT INSPECTOR MAY BE A CLASS 3.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.
4. COPIES OF THE VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN-PLANT INSPECTOR SHALL BE A WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING.
6. PER 2022 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:
   - 6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
   - 6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, IT'S LOAD, TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCING AGENCY.
7. INCLUDE SECTION S2 - SOIL COMPACTION AND FILL WHEN OVER-EX AND RE-COMPACTING OCCURS.
8. S4 - CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): NOT REQUIRED IF SPREAD FOOTING OPTION IS CHOSEN.
9. S/A9 - ANCHOR BOLT AND ANCHOR ROD: NOT REQUIRED IF EMBEDDED BASE PLATE OPTION IS CHOSEN.

HIGH-STRENG

GENERAL NOTES

1.- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & I LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING, UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2022 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.

2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.

3.- FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)

4.- DESIGN PER FOLLOWING CODES: CBC 2022 (CHAPTER 35), ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-19, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEEL

1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2022 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1.

2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.

3.- ALL WORK SHALL CONFORM TO CBC 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

4.- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500 GRADE C, IN ITS' ENTIRETY.
TYPICAL MECHANICAL PROPERTIES ARE:
ROUND TUBE GRADE C 50,000 PSI YIELD STRESS MINIMUM / 62,000 PSI TENSILE STRESS MINIMUM

5.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS:
SQUARE AND RECTANGULAR 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS
ROUND PIPE 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS

6.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.

7.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

8.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED. AWS D1.3 FOR SHEET/COLD FORMED. AWS D1.8 SEISMIC SUPPLEMENT.

9.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

10.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. GMAW IS ACCEPTABLE.

11.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 65 KSI, TENSILE STRENGTH=100 KSI MINIMUM, ALLOY GROUP 2, CONDITION CW1. ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 2, CONDITION CW1. REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH STRENGTH BOLTS. BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST).

12.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
- PENCIL HARDNESS (ASTM D-3363). - HUMIDITY (ASTM D-2247).
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

13.- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

14.- ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329) AS APPLICABLE, OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

CONCRETE SPECIFICATION

1.- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

2.- CONCRETE TO BE F'c= 4500 PSI, TYPE V CEMENT PLUS POZZOLAN OR SLAG CEMENT, MAXIMUM WATER/CEMENT RATIO OF 0.45, PER ACI 318-19 CHAPTER 19. (NO ADMIXTURES CONTAINING CALCIUM CHLORIDE WILL BE USED.) REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 AND TO BE Fy= 60000 PSI , MIN. GR. 60.

3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 36 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329).
ANCHOR BOLT'S DIAMETER NEEDS TO BE AS FOLLOW:
A) ANCHOR BOLT Ø1 1/4"

4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.

5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

6.- CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3.

FABRIC SPECIFICATION

1.- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD., WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS. MINIMUM SEAM LENGTH 3/4".

2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

3.- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO DSA.

4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST. FLAME SPREAD INDEX (FSI): 10. SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE AREA.

5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

AIRCRAFT CABLE

1.- FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023/A1023M, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS. CABLE SHALL BE TENSIONED TO 300 LBS MINIMUM AND 500 LBS MAXIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS Sa=4909 LB.

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

MAXIMUM OCCUPANT LOAD (PER CBC 2022 TABLE 1604A.5)
-K-12: 250 PERSONS
-PUBLIC ASSEMBLY: 300 PERSONS
-EDUCATIONAL OCCUPANCIES
ABOVE 12TH GRADE: 500 PERSONS

CBC PC DESIGN NOTES

BUILDING CODE	CBC 2022 (BASED ON IBC 2021)
FLOOR LIVE LOAD	N/A
ROOF LIVE LOAD	RLL 5 PSF

ALLOWABLE SOIL PRESSURE:
DL + LL (CONC FTG) 1500 PSF
DL + LL + SEISMIC (CONC FTG) 1500 PSF
LATERAL BEARING DESIGN VALUE 100 PSF/FT BELOW NATURAL GRADE, PER TABLE 1806A.2
TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT)
PER CBC SECTION 1806A.3.4.
ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM
BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE).
UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.

ROOF SNOW LOAD	5 PSF
ICE LOAD	ZERO PSF
FLOOD HAZARD AREA	ZONE X

WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

WIND DESIGN DIRECTIONAL PROCEDURE: ASCE 7-16, SECTION 27.3.2
NOTE: WIND DESIGN IS LIMITED TO UNOBSTRUCTED CLEAR FLOW CONDITION

-BASIC DESIGN WIND SPEED (3 SEC GUST)	V	115 MPH
-ASD WIND LOAD (CBC 2022 SEC. 1603A.1.4)	V_{ASD}	90 MPH
-WIND EXPOSURE FACTOR	C	
-TOPOGRAPHIC FACTOR	Kzt	1
-RISK CATEGORY	II	
-VELOCITY PRESSURE EXPOSURE COEFFICIENT	Kz	0.85
-VELOCITY PRESSURE	qz	24.46 PSF

SEISMIC DESIGN:
-SITE CLASS D
NOTE: UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE SM1 VALUE INCREASED BY 50% SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.

	SS	3.00g
	S1	1.389g
-SPECTRAL RESPONSE COEFFICIENTS	SDS	2.00
	SD1	1.39

-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN SYSTEM.

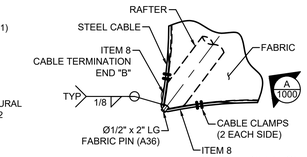
-SEISMIC IMPORTANCE FACTOR	Ie	1.0
-DESIGN BASE SHEAR AT BASE	V	2275 LB
-SEISMIC RESPONSE COEFFICIENTS	Cs	1.6
-RESPONSE MODIFICATION FACTOR	R	1.25
-ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	
-RISK CATEGORY	II	
-SEISMIC DESIGN CATEGORY		E
-SITE COEFFICIENT CATEGORY	Fa	1.2
	Fv	1.5
-REDUNDANCY FACTOR	ρ	1.3

GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES 1,600 SQF OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO A MAXIMUM OF 4,000 SQUARE FEET AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.

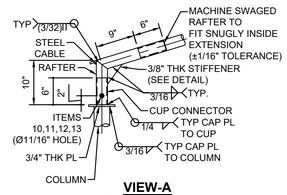
ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

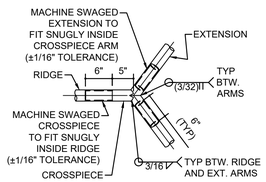
MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 14 FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS REQUIRED.



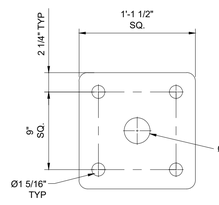
DETAIL 1
REFER TO TOP VIEW



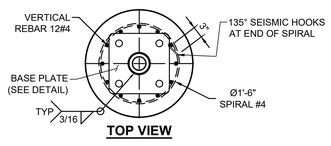
VIEW-A
REFER TO DETAIL-1



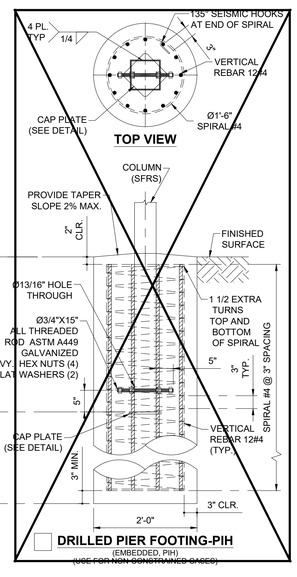
DETAIL-2
REFER TO TOP VIEW



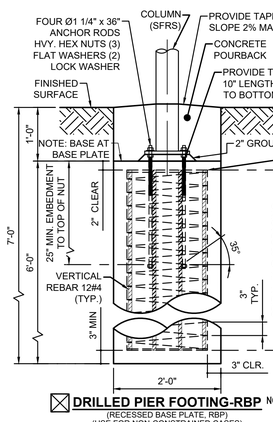
BASE PLATE
(1 1/4" THK)
(TYP. FOR RBP COLUMNS)



TOP VIEW

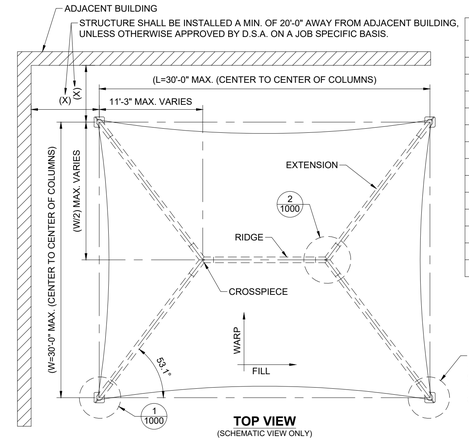


DRILLED PIER FOOTING-PIH
(EMBEDDED, PIH)
(USE FOR NON-CONSTRAINED CASES)



DRILLED PIER FOOTING-RBP
(RECESSED BASE PLATE, RBP)
(USE FOR NON-CONSTRAINED CASES)
(OPTIONAL)

NOTE: TESTING + INSPECTION EXEMPTIONS APPLY. REFER TO DSA 103 FORM.

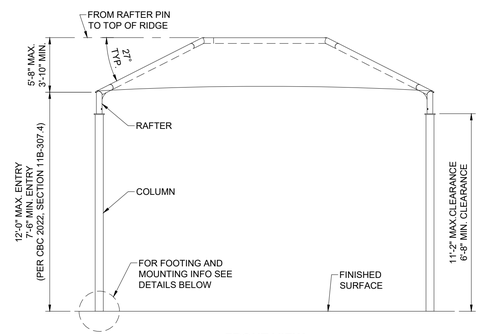


TOP VIEW
(SCHEMATIC VIEW ONLY)

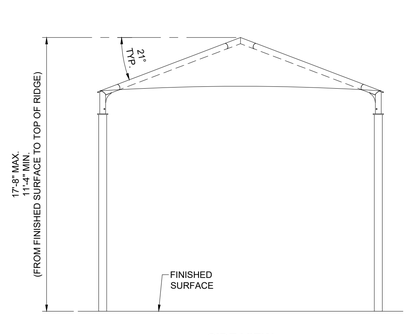
THE MINIMUM CLEARANCE REQUIRED BETWEEN DRILLED PIERS WHEN PLACING MULTIPLE OPEN FABRIC SHADE STRUCTURES ADJACENT TO EACH OTHER, FROM CENTER TO CENTER, IS THREE TIMES THE LEAST HORIZONTAL DIMENSION OF THE PIER PER CBC 2022 SEC. 1810A.2.5.

LIST OF MATERIALS

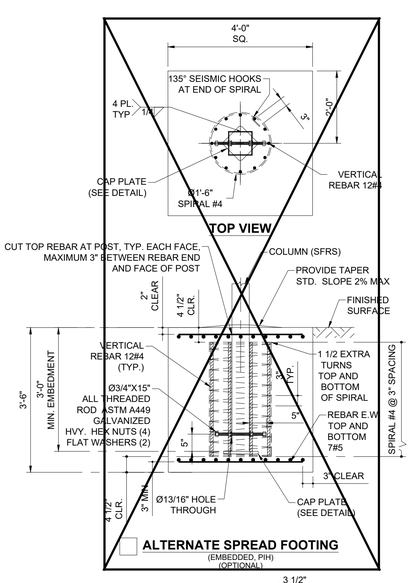
ITEM	QTY	DESCRIPTION	MATERIAL
1	4	COLUMN	HSS 5.0 x 5.0 x 0.250
2	4	CUP CONNECTOR (6" LG)	HSS 4.0 x 0.25
3	4	RAFTER (GALVANIZED STEEL TUBE)	4.5 GA 7 RD. TUBE (HSS 4.5 x 0.188)
4	4	EXTENSION (GALVANIZED STEEL TUBE)	4.5 GA 7 RD. TUBE (HSS 4.5 x 0.188)
5	2	CROSSPIECE (GALVANIZED STEEL TUBE)	4.5 GA 7 RD. TUBE (HSS 4.5 x 0.188)
6	1	RIDGE (GALVANIZED STEEL TUBE)	4.5 GA 7 RD. TUBE (HSS 4.5 x 0.188)
7	1	FABRIC TOP	FR COLOURSHADE 190/F5
8	1	Ø3/8" CABLE	GALVANIZED STEEL
9	4	Ø3/8" CABLE CLAMP	GALVANIZED STEEL
10	4	Ø5/8"-11NC x 6" HEX BOLT (ST)	316 SS
11	4	Ø5/8"-11NC HEX NUT	316 SS
12	8	Ø5/8" FLAT WASHER	316 SS
13	4	Ø5/8" SPLIT LOCK WASHER	316 SS



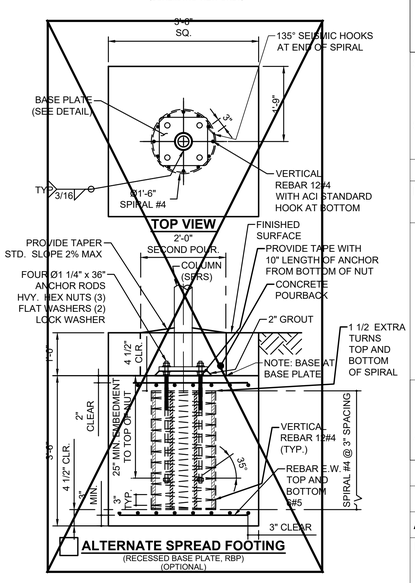
FRONT VIEW
(SCHEMATIC VIEW ONLY)



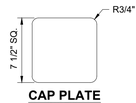
SIDE VIEW
(SCHEMATIC VIEW ONLY)



ALTERNATE SPREAD FOOTING
(EMBEDDED, PIH)
(OPTIONAL)



ALTERNATE SPREAD FOOTING
(RECESSED BASE PLATE, RBP)
(OPTIONAL)



CAP PLATE
(3/4" THK)
(TYP. FOR ALL COLUMNS)
(TOP OF RBP COLUMNS)
(TOP & BOT. OF PIH COLUMNS)
(A572 GR. 50)

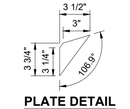


PLATE DETAIL
REFER TO VIEW A
(3/8" THK STIFFENER)
(TYP. FOR ALL RAFTERS)
(A572 GR. 50)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125303 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/10/2026

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Los Angeles USD

PROJECT NAME:
2nd Street ES OLE

LOCATION:
1942 East 2nd Street
Los Angeles, CA 90033

MODEL NUMBER:
DSA401303012-22

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123501 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 12/11/2024

STRUCTURE TYPE:
HIP
DSA

SIZE: MAXIMUM
30' x 30' x 12'e MAX.

SCALE : NONE

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code : 2022 CBC
A separate project application for construction is required.

Eng. By :	HH	12/01/22
Design By :	OS	12/01/22
Approved By :	MB	12/01/22

DRAWING DESCRIPTION:
PRODUCT INFORMATION

DWG.
DSA401303012-22

SHEET
6.1-1000

REV.
NC

LICENSED ARCHITECT DAVID HIGGINSON C19168 10-31-25 RENEWAL DATE STATE OF CALIFORNIA
8/19/24

REGISTERED PROFESSIONAL ENGINEER MARK ALBERT BEVE No. 3693 STRUCTURAL STATE OF CALIFORNIA
6/28/2024

Aircraft Cable

Preformed, made in accordance with commercial specifications military and federal specification rope available.

Carbon Steel (Aircraft Cable) - Galvanized cable has the highest strength and greatest fatigue life of the materials offered. It has good to fair corrosion resistance in rural to industrial atmosphere environments. This material is most widely used for small diameter cables. Tin over galvanized cable offers greater corrosion resistance and reduced friction over pulleys.

7 x 19

7 x 19		Galvanized Min. Breaking Strengths (lbs)
Dia. (In)	Approx. Wt 1000 Ft/lbs	
3/32	17.	1,000
1/8	29.	2,000
5/32	45.	2,800
3/16	65.	4,200
7/32	86.	5,600
1/4	110.	7,000
9/32	139.	8,000
5/16	173.	9,800
3/8	243.	14,400

Multiknit INTERNATIONAL

190/F5 Fire rated specifications

Standard range

Revision 0 28-Oct-12

Colour	Shade %	UV Block %	Average GSM	Average Warp break strength kgs	Average Elongation %	Average Weft break strength kgs	Average Elongation %	Average Burst Kpa	Average Burst to Mass ratio
Desert Sand	80	92	185	50	40	72	73	156	0.84
Blue	80	85	185	50	40	72	73	156	0.84
Brown	85		185	50	40	72	73	156	0.84
Green	80	85	185	50	40	72	73	156	0.84
Red	80	86	185	50	40	72	73	156	0.84
Silver	80	81	185	50	40	72	73	156	0.84
Terracotta	75	82	185	50	40	72	73	156	0.84
Yellow	80	89	185	50	40	72	73	156	0.84
				110 LB		159 LB		3258 PSF	

CONVERSION TO IMPERIAL UNITS:
185 GSM = .0378 psf
50 KGS = 110 Lb
72 KGS = 159 Lb
156 Kpa = 3258 psf

Notes:
- 190/F5 conforms to The California State Fire Marshal Title 19 Test for Small scale Fabrics
- Tear tests are done using a 50mm wide strip and a cross head speed of 500mm/min
- This report has been compiled using the mean results from all tests conducted on the given sample by our Quality Control Laboratory, the information provided is considered to be a good reflection of the relevant properties of the fabric tested. These results must only be used as an indication of the quality and characteristics of the fabric tested.
Company cannot be held responsible or liable in any way whatsoever should this information differ to that of a registered testing institution.

PP
Deon Joubert
General Manager - Multiknit (Pty) Ltd

Tommy Rogers
Managing Director - Multiknit (Pty) Ltd

CAL FIRE

FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-052001

COLOURSHADE 190/F5

Product Marketed by:

MULTIKNIT (PTY) LTD
BOX 798 WHITE RIVER 1240
MPUMALANGA SOUTH AFRICA, ,

Issue Date : 05/08/2023
Expiration Date : 06/30/2024

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

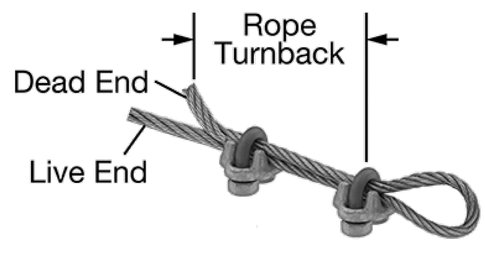
Issued By Cortney Walker
Fire Engineering License Manager
Fire Engineering & Investigations Division

Reviewed and Approved By Patricia Setter
Deputy State Fire Marshal III
Fire Engineering & Investigations Division

OFFICE OF THE STATE FIRE MARSHAL

Please visit calfire.govmotus.org for more information on Licensing and Permitting with CAL FIRE

Page 1 of 1



FORGED WIRE ROPE CLAMP

FITTING TYPE ROPE CLAMP
FABRICATION: FORGED
MATERIAL: GALVANIZED STEEL
FOR WIRE ROPE DIAMETER 3/8"
NUMBER OF CLAMPS REQUIRED: 2
ROPE TURNBACK: 6 1/2"
FOR WIRE ROPE CONSTRUCTION 7 × 19
ATTACHMENT TYPE: LOOP
CLAMP:WIDTH 2", HEIGHT 1 15/16", THICKNESS 1 11/16"
REQUIRED INSTALLATION TOOL TORQUE WRENCH
REQUIRED TORQUE 45 FT.-LBS.
CAPACITY 80% OF THE ROPE'S CAPACITY
SPECIFICATIONS MET ASME B30.26, FED. SPEC. FF-C-450

LICENSED ARCHITECT DAVID HIGGINSON C19168 10-31-25 RENEWAL DATE STATE OF CALIFORNIA
8/19/24

REGISTERED PROFESSIONAL ENGINEER MARK BERNHARDT No. 3693 STRUCTURAL STATE OF CALIFORNIA
6/28/2024

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H I P
DSA

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30' x 30' x 12'e MAX.

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DRAWING SIZE: D

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Design By :	OS	12/01/22
Approved By :	MB	12/01/22

DRAWING DESCRIPTION:
SPECIFICATIONS

DWG. DSA401303012-22

SHEET 6.2-2000

REV. NC