FDR ELEMENTARY SCHOOL

PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION



LAWNDALE ELEMENTARY SCHOOL DISTRICT

DSA A#: 03-125163

8/28/2025 11:15:37 AM C:\Users\tgomer\Documents\24018.01_LESD_PlayShadeStructure FDR ES R22_tgomerG6LAZ.rvt

STATE:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

ARCHITECT:

architecture
westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

LICENSED ARCHITECT
JON EDWARD GOMER
C-25861
EXP. 5-2025
STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147TH ST.,
LAWNDALE, CA 90260

No.	Rev. Date	Description

JOB NO: 24018.01
DATE: 08/29/2025
DRAWN: TG, GA
CHECK: RB
ARCHITECT: JEG
ENGINEER:

SHEET DESCRIPTION:
COVER SHEET

SHEET NO:
G000

DSA SUBMITTAL

℄	CENTERLINE	F.O.M.	FACE OF MASONRY	PLUMB.	PLUMBING
℄	PLATE	F.O.P.	FACE OF "GFRC" PANEL	PLWD.	PLYWOOD
&	AND	F.O.S.	FACE OF STUDS	P.M.	PRESSED METAL
@	AT OR ABOUT	F.R.P.	FIBERGLASS REINFORCED PANEL	PNL.	PANEL
'	FOOT	F.S.	FULL SIZE / FINISH SURFACE	P/P	PUSH-PULL
"	INCH OR REPEAT	FT.	FOOT OR FEET	PR.	PAIR
#	POUND OR NUMBER	FTG.	FOOTING	PREFAB.	PREFABRICATED
		FURR.	FURRING	PT.	POINT
A.B.	ANCHOR BOLT	FUT.	FUTURE		
A.C.	ASPHALTIC CONCRETE	FW.	FLATWALL	Q.T.	QUARRY TILE
A/C	AIR CONDITIONING			R.	RISER / RADIUS
ACC.	ACCESSIBLE	GA.	GUAGE / GAGE	R.A.	RETURN AIR
ADJ.	ADJUSTABLE / ADJACENT	GALV.	GALVANIZED IRON	RAD.	RADIUS
A.F.F.	ABOVE FINISH FLOOR	G.B.	GRAB BAR	R.C.P.	REINFORCED CLAY PIPE
AGGR.	AGGREGATE	GEN	GENERAL		
ALUM.	ALUMINUM	G.I.	GALVANIZED IRON	R.D.	ROOF DRAIN
ANOD.	ANODIZED	GL.	GLASS	REC.	RECESSED / RECIEVING
APPROX.	APPROXIMATE	GLU-LAM	GLUE LAMINATE BEAM	RECPT.	RECEPTACLE
ARCH.	ARCHITECTURAL	GR.	GRADE	REF.	REFERENCE
ASPH.	ASPHALT	GYP.	GYPSUM	REFR.	REFRIGERATOR
ASSY.	ASSEMBLY	GYP. BD.	GYPSUM BOARD	REV.	REVERSE
ACT.	ACOUSTICAL TILE			REG.	REGISTER / REGULAR
		H.B.	HOSE BIBB	REINF.	REINFORCED
BD.	BOARD	H.C.	HOLLOW CORE	REQ.	REQUIRED
BITUM.	BITUMINOUS	H.D.	HAND DRYER	RESIL.	RESILIENT
BLDG.	BUILDING	HDR.	HEADER	R.H.	ROUND HEAD
BLK.	BLOCK	HDWD.	HARDWOOD	RM.	ROOM
BLKG.	BLOCKING	HDWR.	HARDWARE	R.O.	ROUGH OPENING
BM.	BEAM	HGT.	HEIGHT	RS	ROLLER SHADE
B.M.	BENCHMARK	H.M.	HOLLOW METAL	RSM	ROLLER SHADE MOTORIZED
BOT.	BOTTOM	HORIZ.	HORIZONTAL	RWD.	REDWOOD
B/S	BOTH SIDES	H.P.	HIGH POINT		
B.W.	BOTH WAYS	HR.	HOUR	S.	SOUTH / SPANDREL
		HVAC.	HEATING, VENT, AIR CONDITIONING	S.C.	SOLID CORE
CAB.	CABINET			SCHED.	SCHEDULE
C.B.	CATCH BASIN			SECT.	SECTION
CEM.	CEMENT	I.B.C	INTERNATIONAL BUILDING CODE	SERV.	SERVICE / SERVING
CER.	CERAMIC	I.D.	INSIDE DIAMETER / DIMENSION	S.F.	SQUARE FOOT
C.F.M.	CUBIC FEET PER MINUTE	IDF	INTERMEDIATE DISTRUBUTION FRAME	S.G.E.	SEMI-GLOSS ENAMEL
C.I.	CAST IRON	IN.	INCH	SHT.	SHEET
C.J.	CEILING JOIST OR CONTROL JOINT	INCND.	INCANDESCENT	SHTG.	SHEATHING
CLG.	CEILING	INSL.	INSULATION	SIM.	SIMILAR
CLO.	CLOSET	INT.	INTERIOR	SL.	SLIDING
CLR.	CLEAR	INV.	INVERT	SPEC.	SPECIFICATION
C.M.U.	CONCRETE MASONRY UNIT			SQ.	SQUARE
COL.	COLUMN	JAN.	JANITOR	S.S.	STAINLESS STEEL
COMPO.	COMPOSITION	JT.	JOINT	S/S	SERVICE SINK
CONC.	CONCRETE	JST.	JOIST	STA.	STATION
CONN.	CONNECTION			STD.	STANDARD
CONSTR.	CONSTRUCTION	K.D.	KNOCK DOWN	STL.	STEEL
CONT.	CONTINUOUS	KIT.	KITCHEN	STOR.	STORAGE
CONTR.	CONTRACTOR			STRUCT.	STRUCTURAL
CORR.	CORRIDOR	LAB.	LABORATORY	SUSP.	SUSPENDED
C.R.B.	CRUSHER RUN BASE	LAM.	LAMINATE	SYM.	SYMMETRICAL
CSK.	COUNTERSUNK	LAV.	LAVATORY	SKLT.	SKYLIGHT
C.T.	CERAMIC TILE	LB.	POUND		
CYL.	CYLINDER	L.F.	LINEAL FEET	T.	TREAD / TEMPERED
		LLH.	LONG LEG HORIZONTAL	T.B.	TOP OF BEAM
DBL.	DOUBLE	LLV.	LONG LEG VERTICAL	T.C.	TOP OF CURB OR CONCRETE
DEPT.	DEPARTMENT	L.P.	LOW POINT	TEL.	TELEPHONE
DET.	DETAIL	LT.	LIGHT	TEMP.	TEMPERED / TEMPORARY
D.F.	DRINKING FOUNTAIN	LT. WT.	LIGHT WEIGHT	TERR.	TERRAZZO
DF	DOUGLAS FIR			TEXT.	TEXTURED
DG	DECOMPOSTED GRANITE	M.	MEN	T&G	TONGUE AND GROOVE
DGS	DRYWALL GRID SYSTEM	MACH.	MACHINE	THK.	THICK
DIA.	DIAMETER	MAT.	MATERIAL	THRSH.	THRESHOLD
DIAG.	DIAGONAL	MAX.	MAXIMUM	T.L.	TOP OF LEDGER
DIM.	DIMENSION	M.B.	MACHINE BOLT	TOIL.	TOILET
DISP.	DISPENSER / DISPOSAL	MDF	MAIN DISTRIBUTION FRAME	T.O.P.	TOP OF PARAPET
DN.	DOWN	MECH.	MECHANICAL	T.S.	TOP OF STEEL
DO.	DITTO / REPEAT	MED.	MEDIUM	T.V.	TELEVISION
DR.	DOOR	MEMB.	MEMBRANE	T.O.W.	TOP OF WALL
D.S.	DOWN SPOUT	MET.	METAL	TYP.	TYPICAL
D.S.P.	DRY STANDPIPE	MEZZ.	MEZZANINE	TRNSF.	TRANSFORMER
DWG.	DRAWING	MFR.	MANUFACTURER		
DWR.	DRAWER	MH.	MANHOLE	U.L.	UNDERWRITER'S LAB
		MIN.	MINIMUM / MINUTE	UNFIN.	UNFINISHED
(E)	EXISTING	MISC.	MISCELLANEOUS	U.N.O.	UNLESS NOTED OTHERWISE
E.	EAST / ENAMEL	M.L. & P.L.	METAL LATH AND PLASTER	URN.	URINAL
EA.	EACH	M.O.	MASONARY OPENING		
EE	EACH END	MPOE	MAIN POINT OF ENTRY	V.	VINYL
E.G.	EXISTING GRADE	MTD.	MOUNTED	V.C.T.	VINYL COMPOSTION TILE
E.J.	EXPANSION JOINT	MUL.	MULLION	VEN.	VENEER
EL.	ELEVATION			VENT.	VENTILATOR
ELEC.	ELECTRICAL	(N)	NEW	VERT.	VERTICAL
ELEV.	ELEVATOR / ELEVATION	NAT.	NATURAL	VEST.	VESTIBULE
EMER.	EMERGENCY	NAT. GR.	NATURAL GRADE	V.G.	VERTICAL GRAIN
ENCL.	ENCLOSURE	N.I.C.	NOT IN CONTRACT	V.O.J.	VERIFY ON JOB
E.O.S.	EDGE OF SLAB	NO.	NUMBER	V.T.R.	VENT THRU ROOF
EQ.	EQUAL	NOM.	NOMINAL	V.W.C.	VINYL WALL COVERING
EQPT.	EQUIPMENT	N.T.S.	NOT TO SCALE		
E.S.	EACH SIDE			W.	WEST / WOMEN
E.W.	EACH WAY	O/	OVER	W/	WITH
E.O.C.	EDGE OF CONCRETE	O.A.	OVERALL / OUTSIDE AIR	WSCT.	WAINSCOT
EXH.	EXHAUST	OBS.	OBSCURE	W.C.	WATER CLOSET
EXIST.	EXISTING	O.C.	ON CENTER	WD.	WOOD
EXP.	EXPANSION	O.D.	OUTSIDE DIAMETER / DIMENSION	W.H.	WATER HEATER
EXPO.	EXPOSED			W.I.	WROUGHT IRON
		PH	PANIC HARDWARE	W/O	WITHOUT
FLUOR.	FLUORESCENT	P.I.V.	PRESSURE INDICATOR VALVE	WP.	WATERPROOF
FNDN.	FOUNDATION	PTN.	PARTITION	W.R.	WATER RESISTANT
F.O.C.	FACE OF CONCRETE/CURB	PL.	PLATE	W.S.	WOOD SCREW
F.O.F.	FACE OF FINISH	P. LAM.	PLASTIC LAMINATE	WT.	WEIGHT
F.O.A.	FACE OF ALUMINUM	PLAS.	PLASTER	W.W.M.	WOVEN WIRE MESH
F.O.G.	FACE OF GLAZING				

KEYNOTES SPECIFIC TO BUILDING WORK

BE	BUILDING EXISTING
BD	BUILDING DEMOLITION
BN	BUILDING NEW

KEYNOTES SPECIFIC TO SITE WORK

SE	SITE EXISTING
SD	SITE DEMOLITION
SN	SITE NEW

ABBREVIATIONS

CHAPTER 4, PART 1, TITLE 24, C.C.R., ADMINISTRATIVE REQUIREMENTS (PARTIAL LISTING ONLY)

1. A COPY OF PARTS 1 AND 5, TITLE 24, C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL CHANGE ORDERS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1 TITLE 24
3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, AND APPROVED T AND I SHEET
4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
5. DSA WILL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24.
6. PROJECT INSPECTOR CLASS 3 WILL BE APPROVED BY DSA. INSPECTION WILL BE IN ACCORDANCE WITH SECTION 4-333(B). THE DUTY OF THE INSPECTOR WILL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24.
7. SUPERVISION OF THE CONSTRUCTION BY DSA WILL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
8. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS WILL SUBMIT VERIFIED REPORTS (FORM DSA-6 BY INSPECTORS AND DSA-6A/E BY ARCHITECTS AND ENGINEERS) IN ACCORDANCE WITH SECTION 4-336 AND 4-334, PART 1, TITLE 24.
9. THE ARCHITECT AND THE STRUCTURAL ENGINEER WILL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333(A) AND 4-341, PART 1, TITLE 24.
10. THE CONTRACTOR WILL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24.

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2018 INTERNATIONAL BUILDING CODE VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS2015 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 35)
- NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS

- NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2022 EDITION
- NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED), 2019 EDITION
- NFPA 17 - STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS, 2021 EDITION
- NFPA 17A - STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS, 2021 EDITION
- NFPA 20 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, 2019 EDITION
- NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED), 2022 EDITION
- NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED), 2022 EDITION
- NFPA 80 - STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES, 2019 EDITION
- NFPA 2001 - STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED), 2018 EDITION
- UL 300 - STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT, 2005 (R2010)
- UL 464 - AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES, 2003 EDITION
- UL 521 - STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION
- UL 1971 - STANDARD ON SIGNALING DEVICES FOR THE HEARING IMPAIRED, 2002 (R2024)
- ICC 300 - STANDARD ON BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS, 2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE CHAPTER 35 AND CFC CHAPTER 80 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

*ALL PARTS OF THE 2022 CALIFORNIA BUILDING CODE BECOME EFFECTIVE JANUARY 1, 2023 EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2022 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1, CHAPTER 10) IS JANUARY 8, 2022 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 8, 2022.

APPLICABLE CODES

1. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING, CONSTRUCTION OR FINISHING SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OR IN THE ABSENCE OF SAME SHALL BE TREATED ACCORDING TO STANDARD PROCEDURES AS APPROVED BY THE ARCHITECT OR ACCORDING TO MANUFACTURERS STANDARDS.
2. VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE.
3. MINOR ITEMS USED IN THE CONSTRUCTION OF THIS PROJECT MAY BE INDICATED ON THE DRAWINGS BUT NOT NECESSARILY IN THE SPECIFICATIONS. SUCH MINOR ITEMS ARE GENERALLY REFERENCED TO A MANUFACTURER INCLUDING A MODEL NUMBER, WHERE APPLICABLE. HOWEVER, ALL SUCH MINOR ITEMS SHALL BE GOVERNED BY ALL ASPECTS OF THE SPECIFICATIONS AS IF WRITTEN THEREIN.
4. THE CONTRACTOR SHALL MAKE ALL EFFORTS NOT TO DISTURB THE OPERATION OF THE EXISTING PREMISES INCLUDING ACCESS THERETO; PROVIDE ALL REQUIRED CONSTRUCTION FENCING, BARRICADES, WARNING SIGNS AND LIGHTS; PROTECT AGAINST ANY POTENTIAL FLOOD HAZARDS OR AIR POLLUTION AND SHALL EXERCISE ANY AND ALL REQUIRED SAFETY MEASURES TO PROTECT AND RENDER SAFE THE PREMISES TO ALL OCCUPANTS.
5. CONTRACTOR SHALL ALSO ABIDE BY CBC 2022 CHAPTER 33 SECTION 3303.2: PROTECTION OF PEDESTRIANS DURING CONSTRUCTION OR DEMOLITION.
6. WHERE EXISTING FEATURES HAVE TO BE DISTURBED TO EXECUTE THE WORK SHOWN ON ANY OF THE DRAWINGS OR CALLED FOR IN SPECIFICATIONS INCLUDING BUT NOT NECESSARILY LIMITED TO THE REMOVAL OF CONCRETE SLABS, ELEMENTS OF WALL AND CEILING SECTIONS, FLOOR, WALL AND CEILING FINISHES AND ELEMENTS OF ROOFING, SUCH FEATURES MUST BE REPLACED TO MATCH EXISTING CONDITIONS, SURFACES AND FINISHES. WHILE FINISHES SUCH AS CARPET MAY BE REMOVED AND REPLACED AFTER WORK IS COMPLETE. FINISHES THAT CANNOT BE REPLACED IN THIS MANNER MUST BE REPLACED WITH NEW MATERIALS MATCHING EXISTING AS CLOSE AS POSSIBLE.
7. WHERE EXECUTING THE WORK SHOWN ON ANY OF THESE DRAWINGS OR CALLED FOR IN SPECIFICATIONS REQUIRES PENETRATION OF EXTERIOR WALLS OR ROOFS, SUCH WORK SHALL BE FLASHED, SEALED OR OTHERWISE MADE TIGHT AGAINST THE ENTRANCE OF AIR OR WATER
8. WHILE DRAWINGS INDICATE ITEMS TO BE REMOVED, REPLACED OR REWORKED, THEY MAY NOT NECESSARILY INDICATE ALL ASPECTS OF WORK REQUIRED IN THE REMOVAL, REPLACEMENT OR REWORK OF SUCH ITEMS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL ALL WORK NECESSARY TO COMPLETE AND FINISH ALL AREAS IN AND AROUND SUCH ITEMS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE BY HIM TO THE DISTRICT'S PREMISES OR OTHERWISE, AND SHALL REPAIR SAME AT HIS OWN EXPENSE. NOTE THAT HEAVY EQUIPMENT DRIVEN OVER ASPHALT CONCRETE PAVEMENT IN THE SCHOOL YARD MAY CAUSE DAMAGE TO SUCH PAVEMENT.
10. TOILET ROOM ACCESSORIES ARE CALLED OUT IN SPECIFICATIONS. WHERE NOT LOCATED ON DRAWINGS THEY SHALL BE MOUNTED PER DIRECTIONS FROM THE ARCHITECT.
11. WHERE INTERIOR OR EXTERIOR TRENCHING REQUIRES REMOVAL OF CONCRETE OR A.C. PAVING, SUCH PAVING MUST BE REMOVED BY SAW CUTTING AND REPLACED AFTER WORK IS COMPLETE - TO MATCH EXISTING.
12. WORK REQUIRED SHALL INCLUDE BUT NOT BE NECESSARILY BE LIMITED TO WORK CALLED FOR BY NOTES ON BUILDING FLOOR PLANS.
13. GENERAL CONTRACTOR MUST CAREFULLY SCRUTINIZE ALL DRAWINGS TO ASCERTAIN ALL REQUIRED WORK ARISING OUT OF WORK DONE BY MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SUB-CONTRACTORS.
14. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE CONTRACT IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (C.C.D.) OR AN ADDITIONAL SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT.
15. ALL PROPOSED BUILDING ENTRIES / EXITS TO BE BARRIER FREE.
16. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (C.C.D.) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
17. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH STRUCTURAL ELEMENTS IS NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND THE DSA FIELD ENGINEER IF DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS.
18. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION WHICH HAS BEEN CONCEALED AND IS NOT COVERED BY THE CONSTRUCTION DOCUMENTS, WHEREIN THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE REGULATIONS, A CHANGE ORDER OR SEPARATE SET OF PLANS/SPECIFICATIONS DETAILING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THAT WORK.
19. CONTRACTOR TO NOTE: WHERE EXISTING ROOM SIGNAGE IS BEING REMOVED AND REPLACED, ALL ROOM SIGNAGE VERBAIGE MUST MATCH THE EXISTING ROOM SIGN VERBAIGE IN-KIND. CONTRACTOR TO DOCUMENT THE EXISTING ROOM SIGNAGE VERBAIGE PRIOR TO DISPOSING OF THE EXISTING SIGNAGE.
20. WHERE EXISTING UTILITIES ARE INDICATED IN THE GENERAL VICINITY OF NEW WORK, VERIFY EXACT LOCATION BY POT-HOLING, METAL DETECTION, OR ELECTRICAL CURRENT DETECTION, PRIOR TO STARTING WORK.

GENERAL NOTES

ARCHITECTURAL (2 Sheets)

GENERAL

G000	COVER SHEET
G001	SHEET INDEX, SYMBOLS, ABBREVIATIONS, AND NOTES

CIVIL (6 Sheets)

C-101	EXISTING TOPOGRAPHY
C-102	DEMOLITION PLAN
C-103	SITE AND PAVING PLAN
C-104	GRADING AND DRAINAGE PLAN
C-501	CIVIL DETAILS
C-701	EROSION CONTROL PLAN

ARCHITECTURAL (8 Sheets)

D001	SITE DEMOLITION PLAN
A001	SITE PLAN
A002	ENLARGED SITE PLANS & SITE DETAILS
A003	SITE DETAILS
A601	ENLARGED PLANS
A602	INTERIOR ELEVATIONS
A603	SIGNAGE & PARTITION DETAILS & PLAY STRUCTURE ELEVATION
A702	DOOR SCHEDULE

FABRIC SHADE STRUCTURE (5 Sheets)

T-1.0	TITLE SHEET
T-2.0	UNIT SELECTION
T-3.0	T&I FORMS
7.1-1000	PROJECT INFORMATION
7.2-2000	SPECIFICATIONS

TOTAL: 21 SHEETS

SHEET INDEX

ARCHITECTURE AND PLANNING

WESTBERG + WHITE, INC.
7700 IRVINE CENTER DRIVE, SUITE 100
IRVINE, CA, 92618
(714) 508-1780 (714) 508-1790 FAX
CONTACT: JON E. GOMER, PRINCIPAL

CIVIL

BDS ENGINEERING, INC.
5575 LAKE PARK WAY, SUITE 114
LA MESA, CALIFORNIA 91942
(619) 582-4992
CONTACT: TOM JONES, PE, PLS, PRINCIPAL

OWNER

LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 WEST 147TH STREET
LAWNDALE CA 90260
(310) 973-1300 x50026
CONTACT: DR. HOWARD HO, ASSISTANT SUPERINTENDENT OF BUSINESS SERVICES

CONTACT INFORMATION

GRID HEAD / LINES — 0
REVISION TAG — 1
WALL TYPE TAG — 1X
WINDOW TYPE — A
DOOR TAG / NUMBER — 101A
KEYNOTE TAG — BN000
CASEWORK TAG — UNIT DEPTH, 12", 36", 100, 48", INDICATES MODIFICATION, UNIT HEIGHT*, WI DESIGNATION, PROVIDE LOCK, UNIT LENGTH
*HEIGHT INCLUDES COUNTERTOP
COLOR TAG — CMU-1
SEE SHEET A702

ROOM TAG — ROOM NAME, 101, ROOM NUMBER
EXTERIOR ELEVATION — 1, A401, ELEVATION NUMBER, SHEET NUMBER
INTERIOR ELEVATION — 1, 4, A601, 2, 3, ELEVATION NUMBER, SHEET NUMBER
DETAIL REFERENCE — 1", A101, DETAIL NUMBER, SHEET NUMBER
BUILDING SECTION REFERENCE — 1", A101, SECTION NUMBER, SHEET NUMBER
WALL SECTION REFERENCE — 1", A101, SECTION NUMBER, SHEET NUMBER
CALLOUT DESIGNATION — 1, A101, CALLOUT NUMBER, SHEET NUMBER
SPOT ELEVATION — 10' - 0"
CEILING HEIGHT TAG — 9' - 0", CEILING HEIGHT PER REFLECTED CEILING PLAN

TYPICAL SYMBOLS

STATEMENT OF GENERAL CONFORMANCE

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. 03-125163 **FILE NO.** 19-57 **)**

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET INDICATED WITH AN '*'
☐ THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

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.

THIS 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 FIND THAT: ☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET ☐ THIS DRAWING OR PAGE

☒ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND	☐ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND
☒ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.	☐ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.
SIGNATURE — 07/18/2025 DATE	SIGNATURE — DATE
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE	ARCHITECT OR ENGINEER DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK
JON E. GOMER — PRINT NAME	PRINT NAME
C-25861 — MAY 2027	LICENSE NUMBER — EXPIRATION DATE
LICENSE NUMBER — EXPIRATION DATE	

DSA 1R A-18

STATEMENT OF GENERAL CONFORMANCE



VICINITY MAP

THIS PROJECT CONSISTS OF:
- (N) PLAY STRUCTURE EQUIPMENT
- (N) 30' x 40' x 12'H SHADE STRUCTURE; RIDGE HEIGHT: 18'-6"
  - SEISMIC DESIGN CATEGORY: D / S_S = 1.814, S_{DS} = 2/3 Fa S_S = 1.451 ≤ 2.0
  - WIND EXPOSURE CATEGORY: C / V = 101MPH, Kzt = 1
- RESTROOM ALTERATION IN BLDG C (CLASSROOMS)
- REMOVE AND RELOCATE 2 TREES
- (N) RAMP
- ASSOCIATED SITEWORK

DEFERRED SUBMITTALS: NONE

SCOPE OF WORK

SHADE STRUCTURE (NEW CONSTRUCTION)

CONSTRUCTION TYPE:	II-B
OCCUPANCY:	E
OCCUPANT LOAD FACTOR:	20
TOTAL OCCUPANT LOAD:	60
SHADE STRUCTURE AREA:	1,200 S.F.

CODE ANALYSIS

STATE:
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

ARCHITECT:
architecture
westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

LICENSED ARCHITECT — JON EDWARD GOMER — C-25861 EXP. 5-2025 — STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147TH ST.,
LAWNDALE, CA 90260

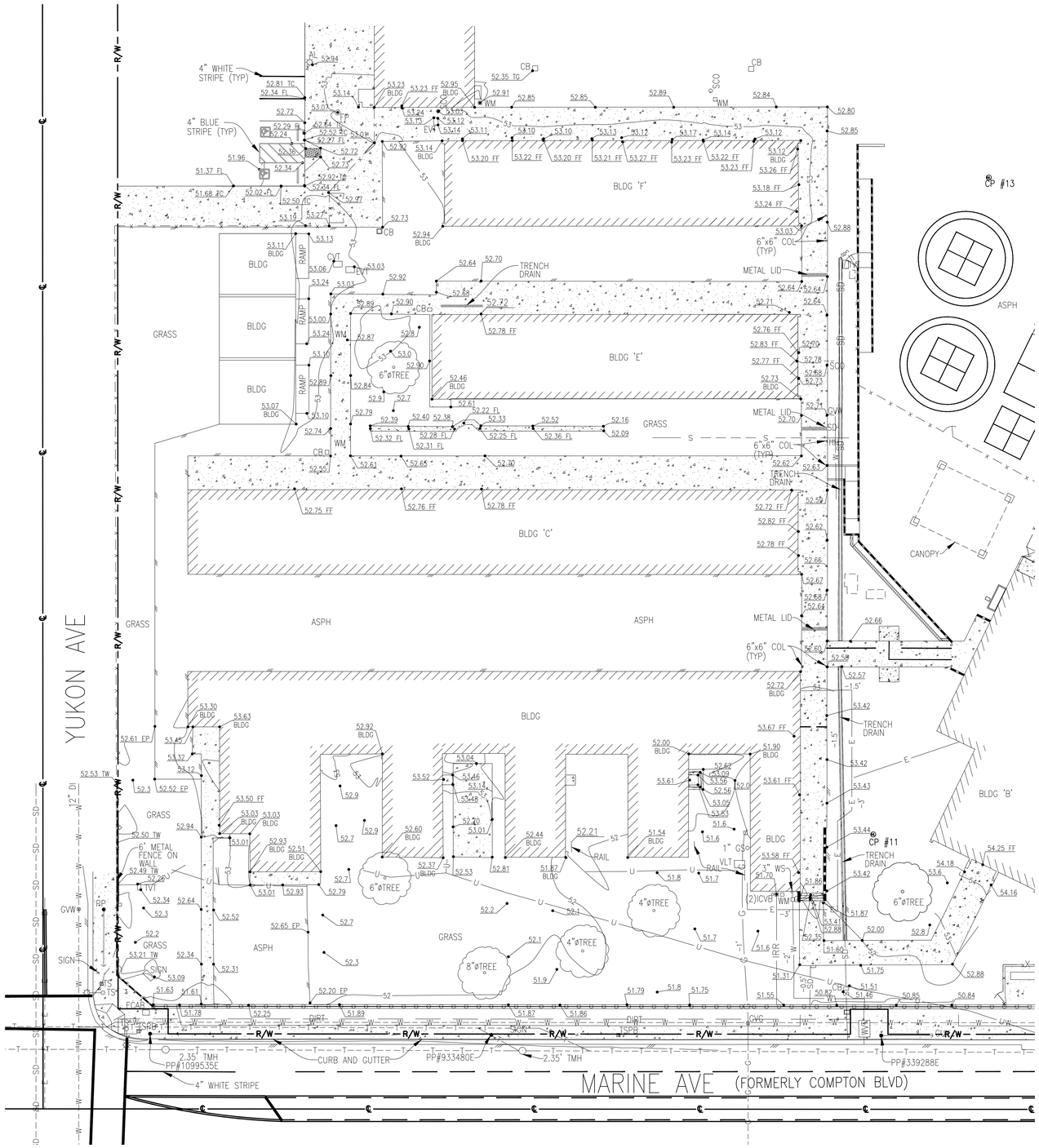
NO.	Rev. Date	Description

JOB NO:	24018.01
DATE:	08/29/2025
DRAWN:	TG, GA
CHECK:	RB
ARCHITECT:	JEG
ENGINEER:	

SHEET DESCRIPTION:
SHEET INDEX, SYMBOLS, ABBREVIATIONS, AND NOTES

SHEET NO:
G001

DSA SUBMITTAL



ABBREVIATIONS

#	NUMBER
AC	ASPHALT CONCRETE
AL	AREA LIGHT
ASPH	ASPHALT
BLDG	BUILDING
CATV	CABLE TELEVISION
CB	CATCH BASIN
CI	CURB INLET
CL	CENTERLINE
CLF	CHAIN LINK FENCE
COL	COLUMN
CONC	CONCRETE
CP	CONTROL POINT
CVT	COMMUNICATIONS VAULT
E	ELECTRIC
EVT	ELECTRIC VAULT
FF	FINISH FLOOR
FL	FLOW LINE
FP	FLAG POLE
G	GAS
GS	GAS SERVICE
GVG	GATE VALVE GAS
GVW	GATE VAVLE WATER
ICV	IRRIGATION CONTROL VALVE
ICVB	IRRIGATION CONTROL VALVE BOX
IRR	IRRIGATION
ICVR	IRRIGATION CONTROL VALVE ROUND
ø	DIAMTER
PP	POWER POLE
R/W	RIGHT OF WAY
S	SEWER
SCO	SEWER CLEANOUT
SD	STORM DRAIN
T	TELEPHONE
TC	TOP OF CURB
TMH	TELEPHONE MANHOLE
TSPB	TRAFFIC STREET PULL BOX
TVT	TELEPHONE VAULT
TW	TOP OF WALL
VLT	VAULT
W	WATER
WM	WATER METER
WS	WATER SERVICE
WVT	WATER VAULT

LEGEND

ALL EXISTING ITEMS ARE SCREENED

- EXISTING BUILDING
- EXISTING CONCRETE PAVEMENT
- EXISTING CURB
- EXISTING CHAIN LINK FENCE
- EXISTING EDGE OF PAVEMENT
- EXISTING SPOT ELEVATION — 54.00
- EXISTING TREE
- EXISTING CONTOURS — 54
- EXISTING RETAINING WALL
- EXISTING SINGLE GATE
- EXISTING ELECTRICAL — E
- EXISTING CATV — CATV
- EXISTING SEWER — S
- EXISTING STORM DRAIN — SD
- EXISTING WATER — W
- EXISTING UNKNOWN UTILITY — U
- EXISTING TELEPHONE — T
- EXISTING IRRIGATION — IRR
- EXISTING GAS — G

NOTE:

1. UNDERGROUND UTILITIES AS SHOWN ARE FROM AVAILABLE REFERENCE DRAWINGS SUPPLEMENTED BY OBSERVED ALIGNMENTS WITH SURFACE MANHOLES, VALVES, ETC. AND PER UNDERGROUND MARKOUTS COMPLETED BY ATLAS TECHNICAL CONSULTANTS, LLC, IN AUGUST 2024 WITHIN LIMIT SHOWN. CONTRACTOR TO VERIFY EXACT LOCATION, DEPTH AND SIZE OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SURFACE ITEMS SHOWN ARE FROM FIELD TOPOGRAPHY, COMPLETED BY BDS ENGINEERING, INC. IN OCTOBER 2023. ANY OBSERVED VARIATIONS FROM PLANS OR UTILITIES THAT ARE FOUND WHICH ARE NOT SHOWN ON PLANS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROJECT MANAGER AND ENGINEER OF WORK.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/ OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
3. A BOUNDARY SURVEY WAS NOT PERFORMED.

BENCH MARK

CITY OF HAWTHORNE/TORRANCE QUAD BRASS PLUG IN MONUMENT IN WELL 1.4M NORTH OF BCR AND 300MM WEST OF CURB FACE AT NW CORNER ROSECRANS AVE AND YUKON AVE
ELEV. = 52.408 (NAVD 88)

HORIZONTAL AND VERTICAL CONTROL

HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT ARE AS FOLLOWS:
CP #11 PK NAIL N-8563.08 E-5325.85
ELEV-52.50
CP #13 PK NAIL N-8825.57 E-5372.02

N

SCALE 1"=20'

GRAPHIC SCALE

IF SHEET IS LESS THAN 30" BY 42" IT IS A REDUCED PRINT SCALE ACCORDINGLY

0 5' 10' 20' 40' 60'
SCALE: 1" = 20'

STATE:
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APP: 03-125163 INC:
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ARCHITECT:
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westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

CONSULTANT:

ENGINEER OF WORK:
BDS Engineering, Inc.
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
La Mesa, California 91942
(619) 582-4902 FAX (619) 582-7428

REGISTERED PROFESSIONAL ENGINEER
THOMAS A. JONES
34867
Exp. 9-30-25
CIVIL
STATE OF CALIFORNIA

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

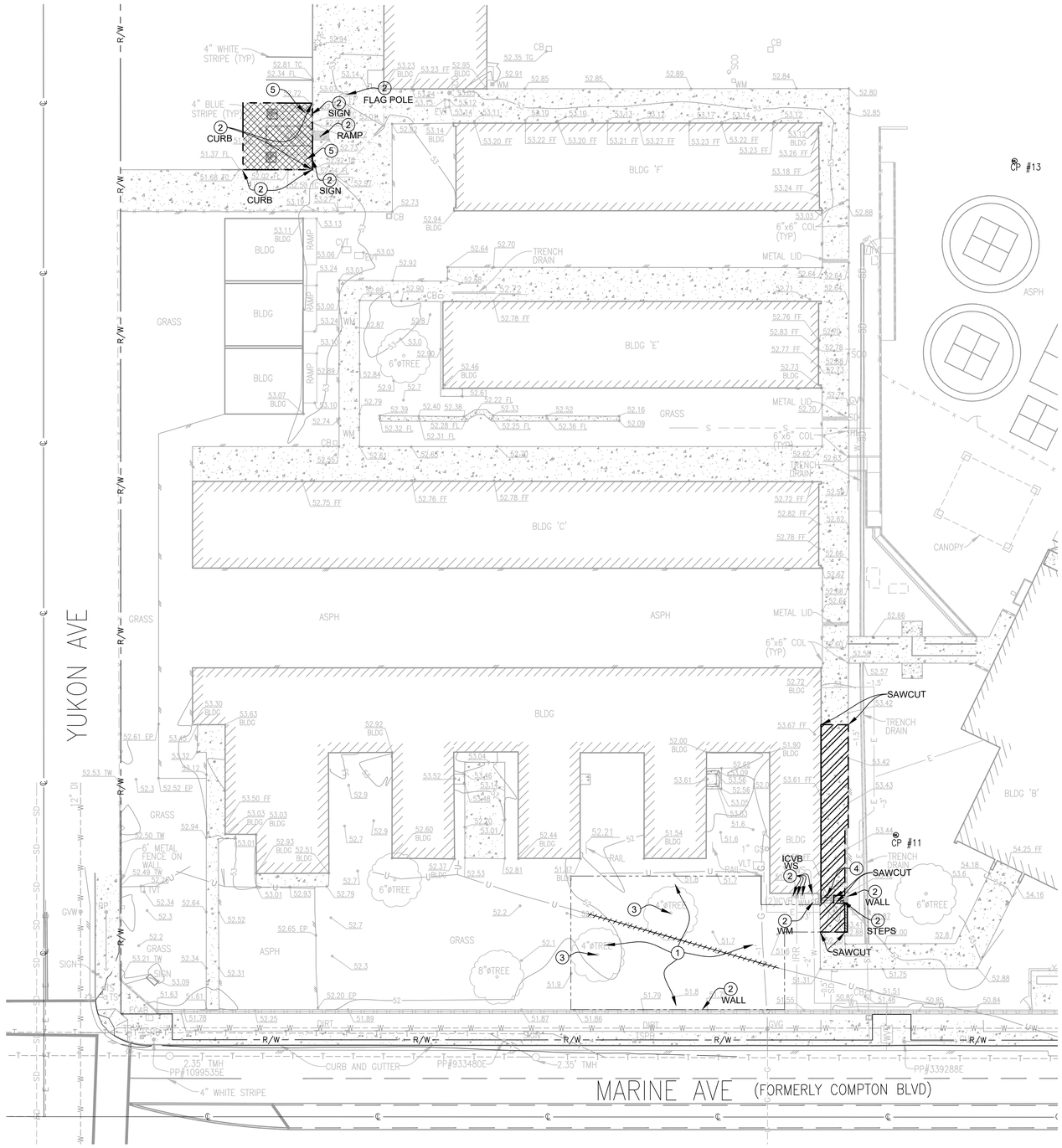
CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147th St.,
Lawndale, CA 90260

No.	Rev. Date	Description

JOB NO: BDS#24-18
DATE: 08/29/2025
DRAWN: RA
CHECK: TAJ
ARCHITECT: JEG
ENGINEER: BDS
SHEET DESCRIPTION:
EXISTING TOPOGRAPHY

SHEET NO:
C-101

DSA SUBMITTAL



GENERAL NOTES:

1. FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, AND HORIZONTAL CONTROL, SEE SHEET C-101.
2. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL,LANDSCAPE, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
3. PROTECT IN PLACE ALL EXISTING GRATES, COVERS, PULL BOXES, MANHOLES, AREA DRAINS, AND CATCH BASINS, UNLESS OTHERWISE INDICATED. ALL ITEMS WITH LIMITS OF WORK SHALL BE ADJUSTED TO FINISH GRADE.
4. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. PROTECT EXISTING UTILITIES DURING CONSTRUCTION UNLESS NOTED OTHERWISE.

DEMOLITION LEGEND:

ALL EXISTING ITEMS ARE SCREENED

LIMITS OF WORK

SAWCUT

REMOVE EXISTING UTILITY

REMOVE EXISTING CONCRETE PAVEMENT AND BASE COMPLETELY

REMOVE EXISTING AC AND BASE COMPLETELY

AC GRIND

DEMOLITION NOTES:

1. CLEAR AND GRUB WITHIN LIMITS OF WORK
2. PROTECT IN PLACE
3. REMOVE EXISITNG TREE AND ROOTS COMPLETELY
4. REMOVE PORTION OF EXISTING STEPS AND FOOTINGS COMPLETELY
5. REMOVE EXISTING WHEEL STOP, REINSTALL AFTER PAVING

N

SCALE 1"=20'

GRAPHIC SCALE

0 5' 10' 20' 40' 60'

SCALE: 1" = 20'

IF SHEET IS LESS THAN 30" BY 42" IT IS A REDUCED PRINT SCALE ACCORDINGLY

DSA SUBMITTAL

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DATE: 09/10/2025

ARCHITECT:
architecture
westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

CONSULTANT:

ENGINEER OF WORK:
BDS Engineering, Inc.
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
La Mesa, California 91942
(619) 582-4902 FAX (619) 582-7428

REGISTERED PROFESSIONAL ENGINEER THOMAS A. JONES 34867 EXP. 9-30-25 CIVIL STATE OF CALIFORNIA

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

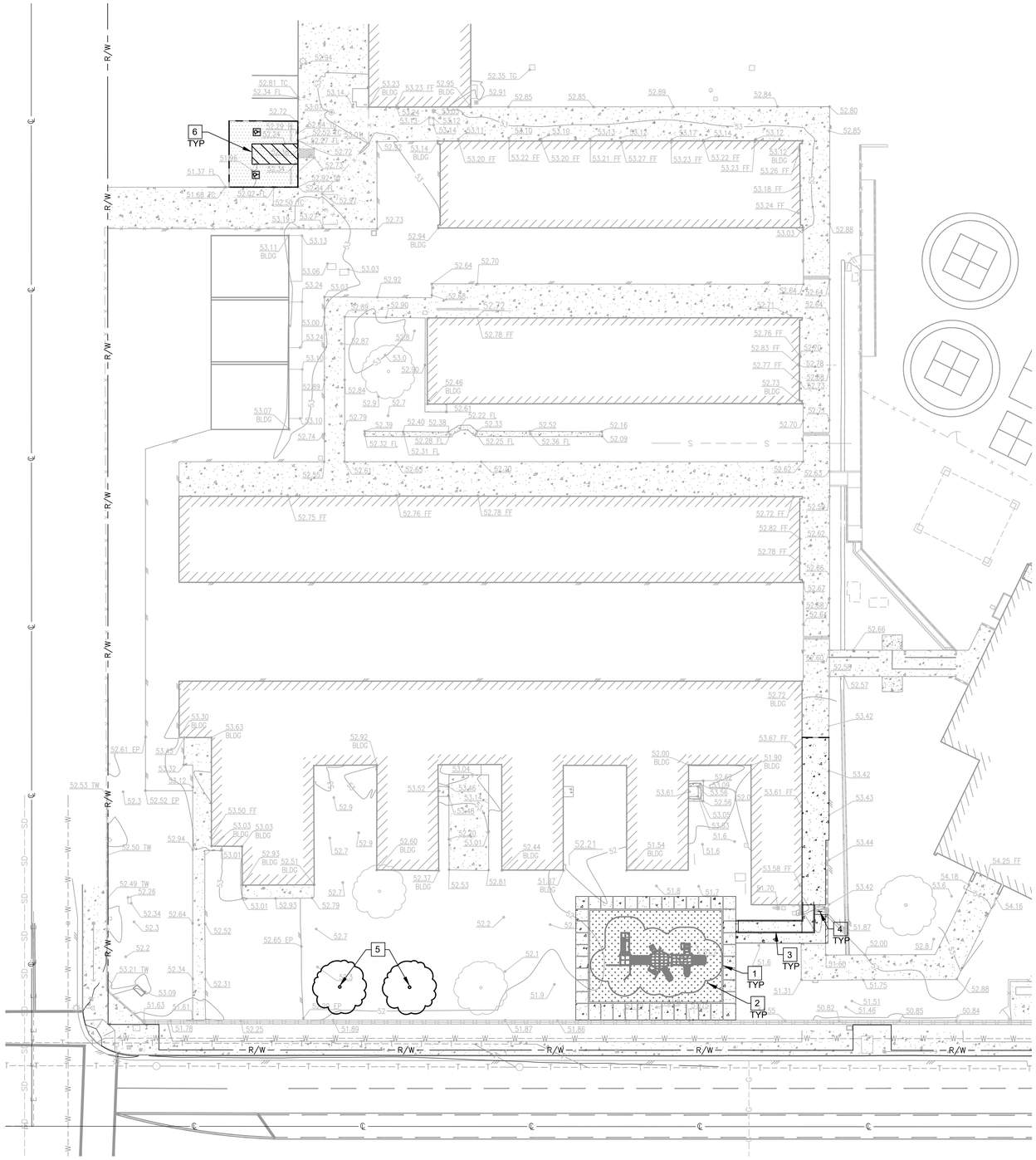
CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147th St.,
Lawndale, CA 90260

No.	Rev. Date	Description

JOB NO: BDS#24-18
DATE: 08/29/2025
DRAWN: RA
CHECK: TAJ
ARCHITECT: JEG
ENGINEER: BDS

SHEET DESCRIPTION:
DEMOLITION PLAN

SHEET NO:
C-102



GENERAL NOTES:

1. FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, AND HORIZONTAL CONTROL, SEE SHEET C-101.
2. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL, LANDSCAPE, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

SITE AND PAVING LEGEND:

ALL EXISTING ITEMS ARE SCREENED

LIMITS OF WORK

5" PCC SIDEWALK — 1 / C-501

PCC CURB — 3 / A002

RUBBER MAT PER ARCHITECTURAL — 2 / A002

4" AC OVER 6" AGGREGATE BASE — 7 / C-501

AC OVERLAY — 8 / C-501

CONSTRUCTION NOTES:

1. PCC CURB, PER ARCHITECTURAL DRAWINGS
2. RUBBER MAT, PER ARCHITECTURAL DRAWINGS
3. HAND RAIL, PER ARCHITECTURAL DRAWINGS
4. REMAINING CONCRETE STAIR, SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION
5. NEW TREE, CONTRACTOR TO COORDINATE AND EXTEND IRRIGATION WITH DISTRICT. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
6. ACCESSIBLE STRIPING AND DIMENSIONS PER ARCHITECTURAL DRAWINGS

N

SCALE 1"=20'

GRAPHIC SCALE

0 5' 10' 20' 40' 60'

SCALE: 1" = 20'

IF SHEET IS LESS THAN 30" BY 42" IT IS A REDUCED PRINT SCALE ACCORDINGLY

DSA SUBMITTAL

STATE:

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(714) 508-1780 508-1790 FAX

CONSULTANT:

ENGINEER OF WORK:

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(619) 582-4902 FAX (619) 582-7428

REGISTERED PROFESSIONAL ENGINEER
THOMAS A. JONES
34867
EXP. 9-30-25
CIVIL
STATE OF CALIFORNIA

PROJECT NAME:

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PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

CLIENT:

LAWNDALE ELEMENTARY SCHOOL DISTRICT

4161 W 147th St.,
Lawndale, CA 90260

No.	Rev. Date	Description

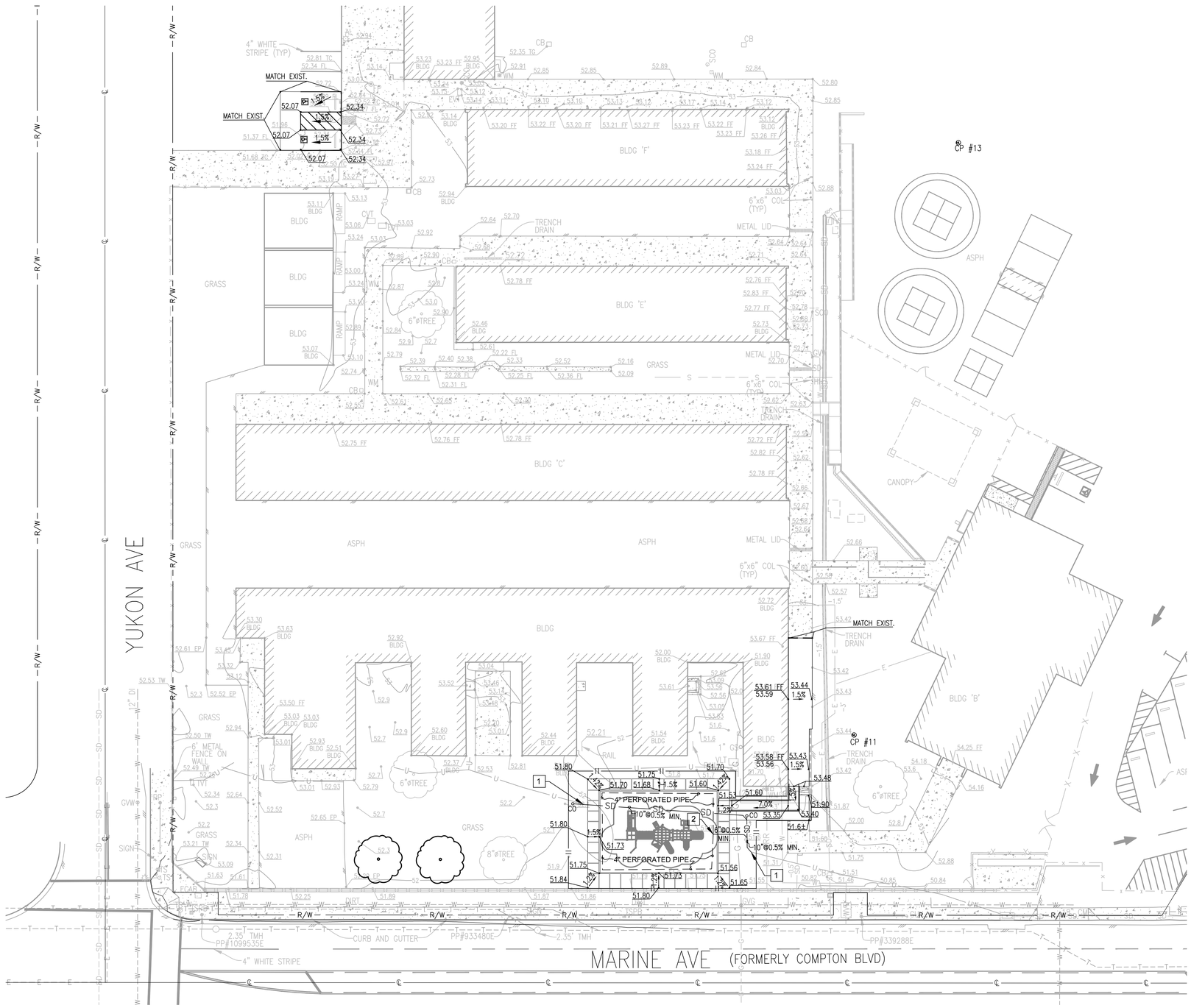
JOB NO: BDS#24-18
DATE: 08/29/2025
DRAWN: RA
CHECK: TAJ
ARCHITECT: JEG
ENGINEER: BDS

SHEET DESCRIPTION:

SITE AND PAVING PLAN

SHEET NO:

C-103



GENERAL NOTES:

1. FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, AND HORIZONTAL CONTROL, SEE SHEET C-101.
2. FOR ADDITIONAL INFORMATION SEE ARCHITECTURAL, LANDSCAPE, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
3. ADJUST ALL EXISTING GRATES, COVERS, MANHOLE LIDS ETC. WITHIN THE AREA OF WORK TO FINISH GRADE.
4. 0.02' MAX. DROP @ ALL DOOR THRESHOLDS TYPICAL.

LEGEND:

ALL SCREENED ITEMS ARE EXISTING

- DAYLIGHT LINE
- NEW CONTOUR — 51
- NEW SPOT ELEVATION — 51.50 TC / 51.00
- EXISTING SPOT ELEVATION — (51.50 TC) / (51.00)
- DIRECTION OF FLOW
- GRADE BREAK — GB
- STORM DRAIN LINE — SD
- STORM DRAIN CLEANOUT (SEWER TYPE) — CO
- 4" PERFORATED PIPE

CONSTRUCTION NOTES:

1. CONNECT NEW STORM DRAIN LINE TO EXISTING STORM DRAIN LINE. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE OF EXISTING STORM DRAIN LINE BEFORE STARTING CONSTRUCTION.
2. CONNECT NEW 4" PERFORATED PIPE TO NEW 6" STORM DRAIN LINE

N

SCALE 1"=20'

GRAPHIC SCALE

0 5' 10' 20' 40' 60'

SCALE: 1" = 20'

IF SHEET IS LESS THAN 30" BY 42" IT IS A REDUCED PRINT SCALE ACCORDINGLY

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STATE:

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DATE: 09/10/2025

ARCHITECT:

architecture
westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

CONSULTANT:

ENGINEER OF WORK:

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Civil Engineering
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REGISTERED PROFESSIONAL ENGINEER — THOMAS A. JONES — 34867 — EXP. 6-30-25 — CIVIL — STATE OF CALIFORNIA

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

CLIENT:

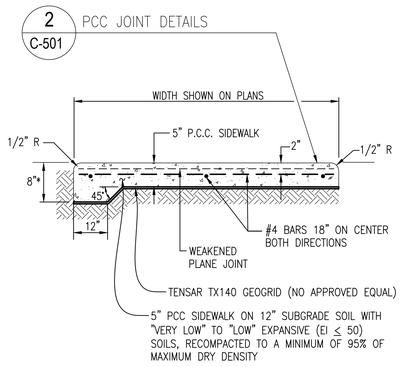
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147th St.,
Lawndale, CA 90260

Rev.	Date	Description

JOB NO: BDS#24-18
DATE: 08/29/2025
DRAWN: RA
CHECK: TAJ
ARCHITECT: JEG
ENGINEER: BDS

SHEET DESCRIPTION:
GRADING AND DRAINAGE PLAN

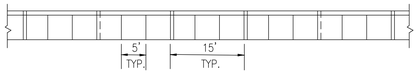
SHEET NO:
C-104



*THICKENED EDGE ADJACENT TO ALL LANDSCAPING AREAS OR AS INDICATED ON PLANS.

2 C-501 PCC JOINT DETAILS

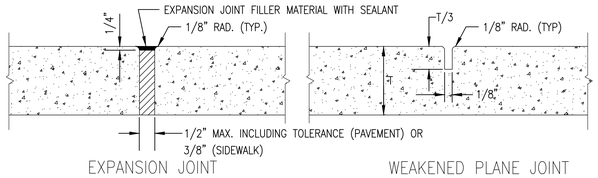
1 C-501 5" PCC SIDEWALK
NO SCALE



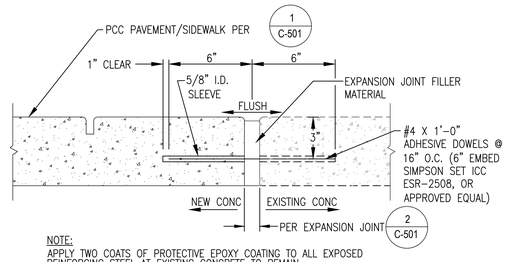
NOTES:

1. EXPANSION JOINTS ═══ AT CURB RETURNS, ADJACENT TO STRUCTURES AND AT 45' INTERVALS, UNLESS INDICATED OTHERWISE.
2. WEAKENED PLANE JOINTS ═══ AT MID POINT OF CURB RETURN, WHEN REQUIRED, AND AT 15' INTERVALS FROM P.C.R.'S, UNLESS INDICATED OTHERWISE (SIDEWALK ONLY).
3. 1/4" GROOVES ——— WITH 1/8" RADIUS EDGES AT 5' INTERVALS, UNLESS INDICATED OTHERWISE (SIDEWALK ONLY).
4. WEAKENED PLANE JOINTS AT 15' MAX INTERVALS, WITH AREA OF EACH PANEL LESS THAN 150 SQ. FT.

P.C.C. PAVEMENT JOINT LOCATIONS

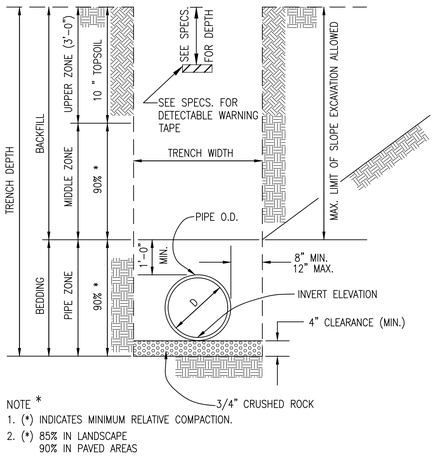


2 C-501 PCC JOINT DETAILS
NO SCALE



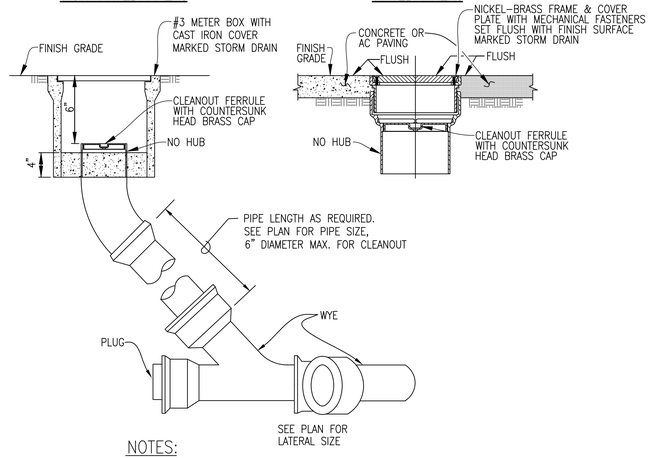
NOTE:
APPLY TWO COATS OF PROTECTIVE EPOXY COATING TO ALL EXPOSED REINFORCING STEEL AT EXISTING CONCRETE TO REMAIN

3 C-501 NEW CONC./EXIST. CONC PAVEMENT EXPANSION JOINT
NO SCALE



NOTE *
1. (*) INDICATES MINIMUM RELATIVE COMPACTION.
2. (*) 85% IN LANDSCAPE
90% IN PAVED AREAS

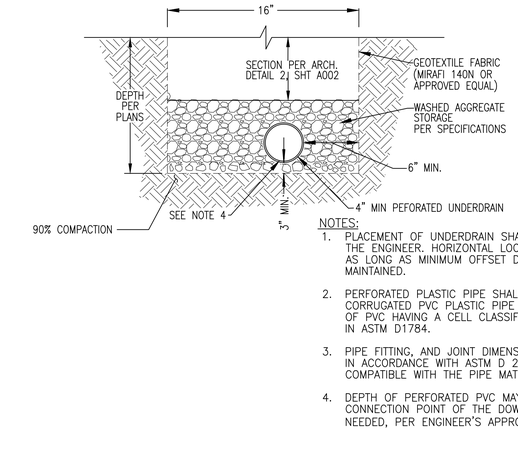
4 C-501 PIPE BEDDING & TRENCH BACKFILL FOR STORM DRAIN LINES
NO SCALE



NOTES:

1) CLEANOUTS TO BE INSTALLED AT THE END OF MAINS WHERE INDICATED ON THE PLANS
2) CLEANOUT PIPE TO BE SAME SIZE AND MATERIAL AS STORM DRAIN MAIN UP TO 6"
3) BACKFILL TO TOP OF 45° BEND WITH 3/4" CRUSHED ROCK

5 C-501 STORM DRAIN CLEANOUT (SEWER TYPE)
NO SCALE

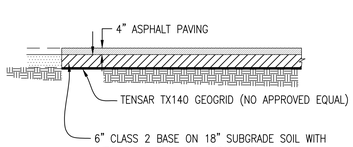


DETAIL A – PERFORATED HOLE PLACEMENT

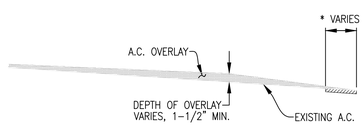
NOTES:

1. PLACEMENT OF UNDERDRAIN SHALL BE PER PLANS, OR AS DIRECTED BY THE ENGINEER. HORIZONTAL LOCATION MAY VARY WITHIN PAVEMENT SECTION AS LONG AS MINIMUM OFFSET DISTANCES AND BOTTOM SLOPES ARE MAINTAINED.
2. PERFORATED PLASTIC PIPE SHALL BE SMOOTH-WALL PVC PLASTIC PIPE OR CORRUGATED PVC PLASTIC PIPE WITH A SMOOTH INTERIOR SURFACE, MADE OF PVC HAVING A CELL CLASSIFICATION OF 12454 OR 13364, AS DEFINED IN ASTM D1784.
3. PIPE FITTING, AND JOINT DIMENSIONS SHALL BE COMPATIBLE AND MEASURED IN ACCORDANCE WITH ASTM D 2122. FITTING AND JOINT MATERIAL SHALL BE COMPATIBLE WITH THE PIPE MATERIAL.
4. DEPTH OF PERFORATED PVC MAY BE ADJUSTED TO TIE INTO THE ADJACENT CONNECTION POINT OF THE DOWNSTREAM DRAINAGE INFRASTRUCTURE, AS NEEDED, PER ENGINEER'S APPROVAL.

6 C-501 PERFORATED UNDERDRAIN DETAIL
NO SCALE



7 C-501 4" A.C. ON 6" CLASS 2 BASE PAVING SECTION
NO SCALE



* GRIND EXISTING A.C. PAVEMENT TO ENSURE A MINIMUM DEPTH OF 1-1/2", TYPICAL.

NOTE:

1. ASPHALT MIX DESIGN SHALL BE TYPE A HMA 3/8-INCH, PG 64-10

8 C-501 A.C. OVERLAY
NO SCALE

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westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

CONSULTANT:

ENGINEER OF WORK:
BDS Engineering, Inc.
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
La Mesa, California 91942
(619) 582-4902 FAX (619) 582-7428

REGISTERED PROFESSIONAL ENGINEER
THOMAS A. JONES
34867
Exp. 9-30-25
CIVIL
STATE OF CALIFORNIA

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

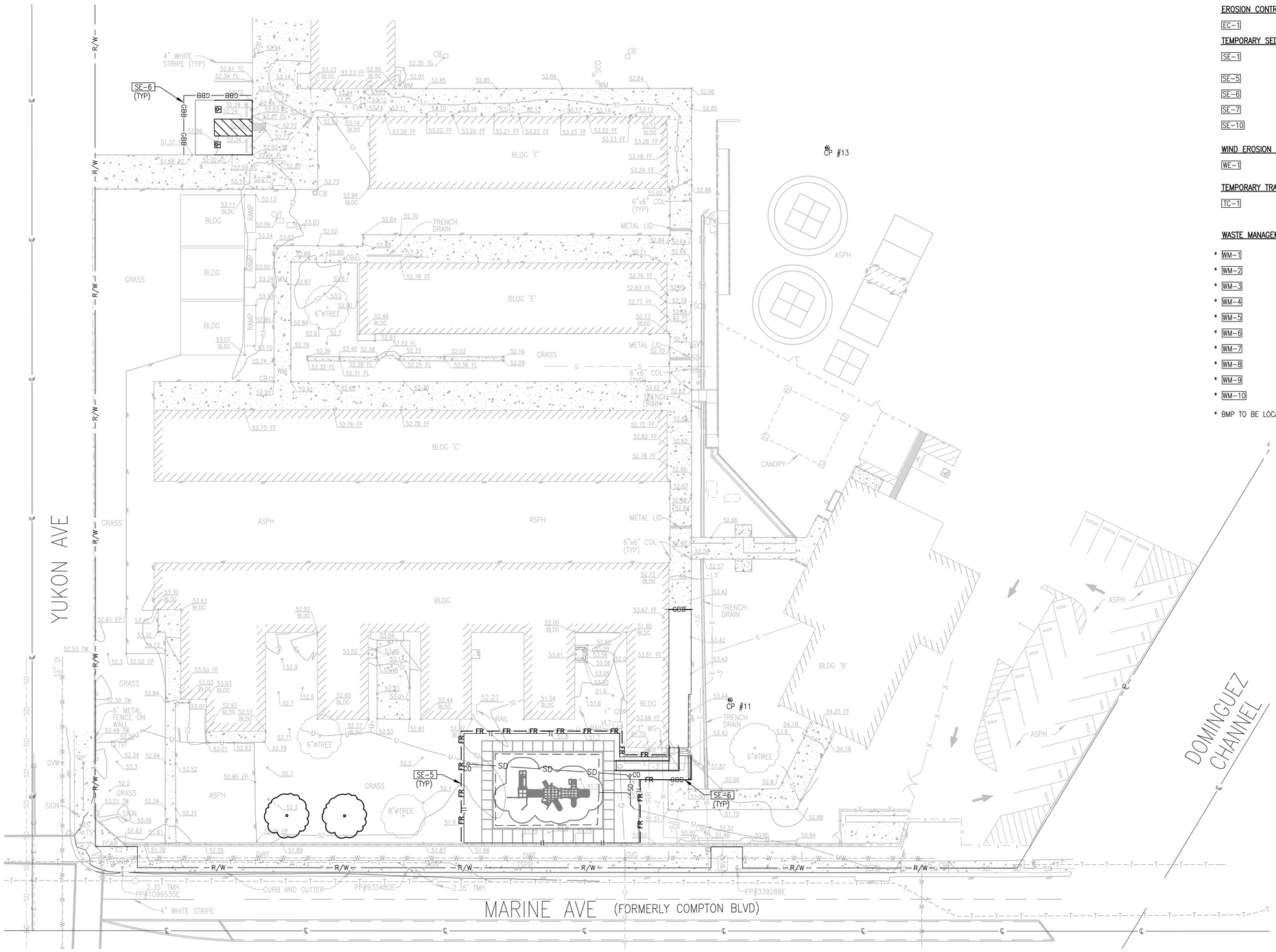
CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147th St.,
Lawndale, CA 90260

No.	Rev. Date	Description

JOB NO: BDS#24-18
DATE: 08/29/2025
DRAWN: RA
CHECK: TAJ
ARCHITECT: JEG
ENGINEER: BDS
SHEET DESCRIPTION:
CIVIL DETAILS

SHEET NO:
C-501

DSA SUBMITTAL



IF SHEET IS LESS THAN 30" BY 42" IT IS A REDUCED PRINT-SCALE REDUCE ACCORDINGLY

GRAPHIC SCALE
0 5' 10' 20' 40' 60'
SCALE: 1" = 20'

SCALE 1"=20'

NOTES:

1. FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, HORIZONTAL CONTROL, SEE C-101
2. EROSION CONTROL PLANS ARE SUBJECT TO CHANGE PER REQUIRED WPCP TO BE PROVIDED BY THE CONTRACTOR.

CASQA DWG. ID	BMP NAME	SYMBOL
EROSION CONTROL BMPS:		
EC-1	SCHEDULING	
TEMPORARY SEDIMENT CONTROL BMPS:		
SE-1	SILT FENCE	
SE-5	FIBER ROLLS	FR
SE-6	GRAVEL BAG BERM	GBB
SE-7	STREET SWEEPING AND VACUUMING	SSV
SE-10	STORM DRAIN INLET PROTECTION	
WIND EROSION CONTROL BMPS:		
WE-1	WIND EROSION CONTROL	WEC
TEMPORARY TRACKING CONTROL BMPS:		
TC-1	STABILIZED CONSTRUCTION ENTRANCE/EXIT	
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPS:		
* WM-1	MATERIAL DELIVERY AND STORAGE	MS / MU
* WM-2	MATERIAL USE	
* WM-3	STOCKPILE MANAGEMENT	CS
* WM-4	SPILL PREVENTION AND CONTROL	SWM
* WM-5	SOLID WASTE MANAGEMENT	
* WM-6	HAZARDOUS WASTE MANAGEMENT	!
* WM-7	CONTAMINATED SOIL MANAGEMENT	CSM
* WM-8	CONCRETE WASTE MANAGEMENT	CWM
* WM-9	SANITARY/SEPTIC WASTE MANAGEMENT	SS
* WM-10	LIQUID WASTE MANAGEMENT	LWM

* BMP TO BE LOCATED BY CONTRACTOR DURING CONSTRUCTION

STATE:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

ARCHITECT:
architecture
westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
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REGISTERED PROFESSIONAL ENGINEER THOMAS A. JONES 34867 EXP. 6-30-25 CIVIL STATE OF CALIFORNIA

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PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147th St.,
Lawndale, CA 90260

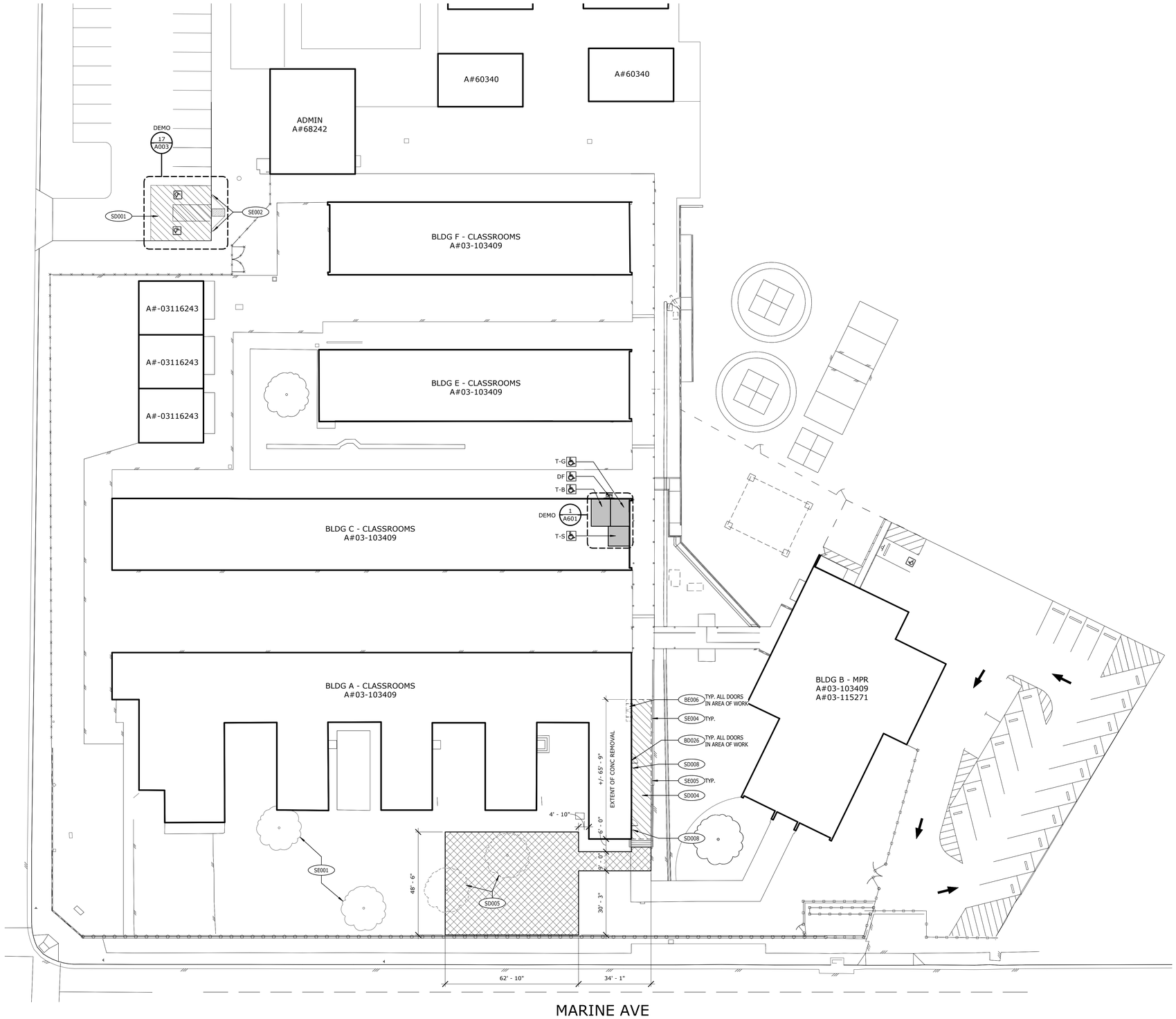
No.	Rev. Date	Description

JOB NO: BDS#24-18
DATE: 08/29/2025
DRAWN: RA
CHECK: TAJ
ARCHITECT: JEG
ENGINEER: BDS

SHEET DESCRIPTION:
EROSION CONTROL PLAN

SHEET NO:
C-701

DSA SUBMITTAL



OVERALL DEMOLITION SITE PLAN 1" = 20'-0" | 1

BD026 CARFULLY REMOVE (E) DOOR THRESHOLDS & SALVAGE FOR REINSTALLATION
BE006 (E) DOOR TO REMAIN, PROTECT IN PLACE
SD001 REMOVE (E) ASPHALT, SEE 17/A003, 7/C-501, 8/C-501
SD004 CAREFULLY SAWCUT & REMOVE (E) CONCRETE PAVING PER CIVIL, SEE C-102. PROTECT IN PLACE (E) BUILDING, LOW RETAINING WALL, & COLUMN FOOTINGS, TYP.
SD005 REMOVE (E) TREES IN THEIR ENTIRETY, TYP. (DASHED)
SD008 REMOVE & SALVAGE (E) DOOR STOP HARDWARE FOR REINSTALLATION
SE001 (E) TREE TO REMAIN, PROTECT IN PLACE
SE002 (E) ACCESSIBLE PARKING STALL SIGNAGE
SE004 (E) COLUMNS & GUARDRAIL TO REMAIN, PROTECT IN PLACE
SE005 (E) LOW RETAINING WALL TO REMAIN, PROTECT IN PLACE

KEYNOTES

EXISTING BUILDING(S) NOT PART OF THIS CONRACT
RESTROOMS TO MEET ADA COMPLIANCE
SURFACE PAVING TO BE GRINDED
EARTH TO BE REMOVED
EXISTING TREE / SHRUB, PROTECT IN PLACE
EXISTING CHAIN LINK FENCE

LEGEND

STATE:
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

ARCHITECT:

architecture
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7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

LICENSED ARCHITECT
JON EDWARD GEORGE
C-25861
EXP. 5-2025
STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:
FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147TH ST.,
LAWNDALE, CA 90260

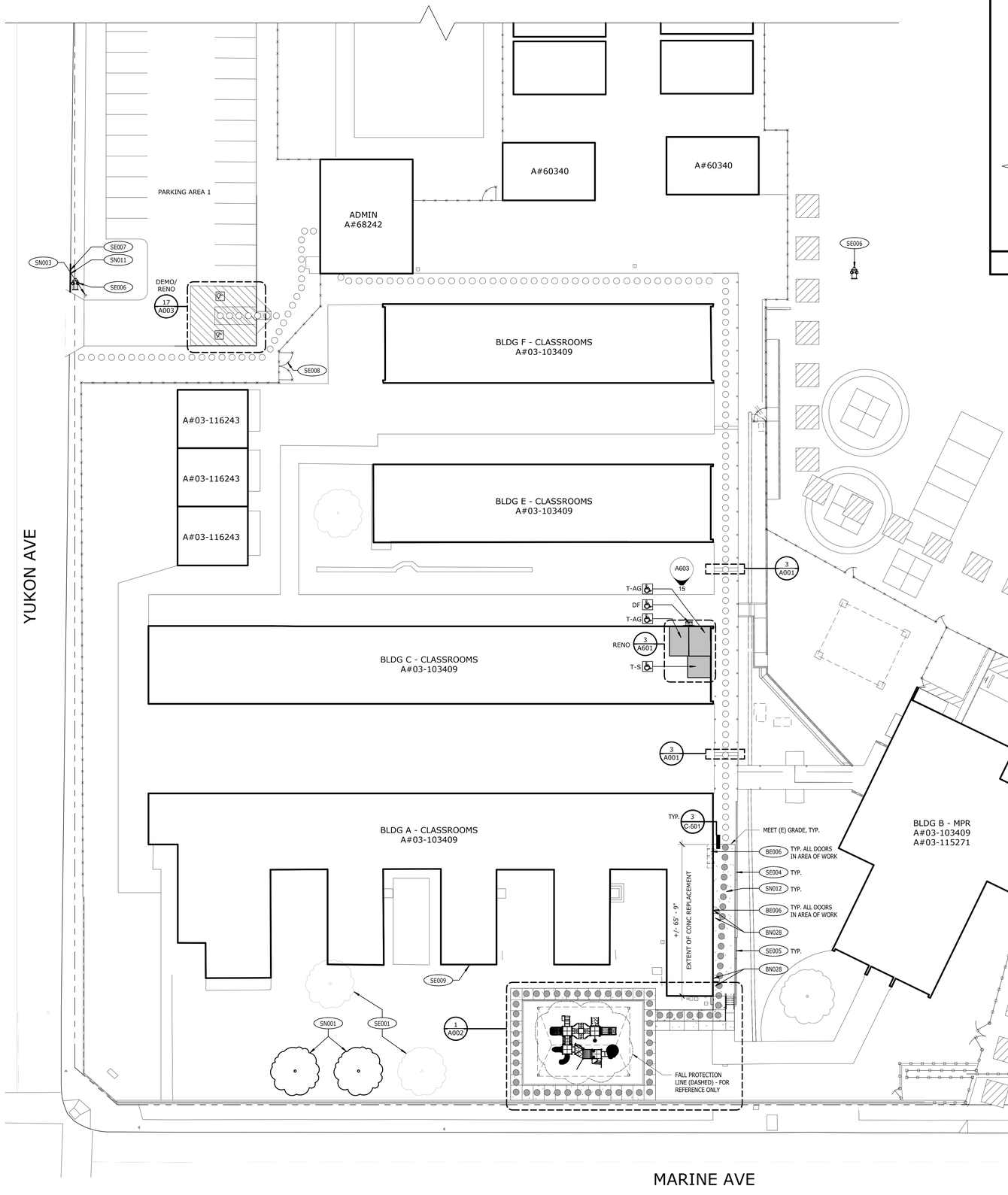
No.	Rev. Date	Description

JOB NO: 24018.01
DATE: 08/29/2025
DRAWN: TG, GA
CHECK: RB
ARCHITECT: JEG
ENGINEER:

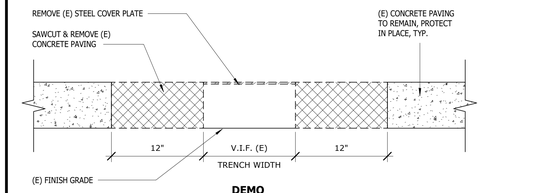
SHEET DESCRIPTION:
SITE DEMOLITION PLAN

SHEET NO:
D001

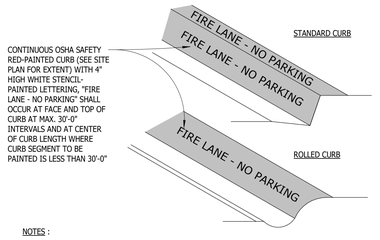
DSA SUBMITTAL



OVERALL SITE PLAN 1" = 20'-0" | 1



TRENCH DRAIN REPLACEMENT 1 1/2" = 1'-0" | 3



NOTES :

1. CURB LETTERING SHALL BE SUBJECT TO THE APPROVAL OF THE LOCAL FIRE DEPARTMENT.
2. CURB LETTERING SHALL BE LOCATED AT THIRTY FOOT (30') INTERVALS OR AS DEEMED NECESSARY BY THE FIRE DEPARTMENT.
3. ALL RAISED CURBS IN "NO PARKING" AREAS SHALL BE PAINTED RED WITH ACCEPTABLE RED CURB PAINT AND LETTERED AS PER LOCAL FIRE DEPARTMENT STANDARDS.

FIRE LANE CURB LETTERING 1" = 1'-0" | 2

PARKING AREA 1 - A#03-116243

STANDARD STALLS:	42
VAN ACCESSIBLE STALLS:	1
STANDARD ACCESSIBLE STALLS:	1
TOTAL:	44

PARKING TABULATION

1. PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEEDS 1/4" VERTICAL AND IS AT LEAST 48" WIDE . SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS-SLOPE DOES NOT EXCEEDS 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED (11B-403.3). (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2) ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
2. ALL UNCERTIFED (E) P.O.T. IN THE PROJECT SCOPE SHALL NOT EXCEED 5% MAXIMUM RUNNING SLOPE AND 2% MAXIMUM CROSS SLOPE UNLESS OTHERWISE NOTED. MAXIMUM SLOPE SHALL NOT EXCEED 2% IN ALL DIRECTIONS WHERE P.O.T. TRAFFIC FLOW IS MULTIDIRECTIONAL , AT CHANGE OF DIRECTIONS, OR IN ANY ACCESSIBLE SPACE OR AREA WITH SLOPES TO DRAINS OR CATCH BASINS, ETC. CONTRACTOR IS TO VERIFY P.O.T. SHOWN IS IN COMPLIANCE, SEE NOTE 3 BELOW.
3. ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED, WILL BE REMOVED, OR MODIFIED TO COMPLY WITH CBC SECTION 11B-402 UNDER THIS PROJECT. CONTRACTOR TO NOTIFY ARCHITECT IF ANY BARRIERS ARE DISCOVERED PRIOR TO PROCEEDING WITH WORK.
4. GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM CLEAR IN THE DIRECTION OF TRAFFIC FLOW. IF SUCH CONDITION OCCURS, PROVIDE MANUFACTURERS CUT-SHEETS REVIEW.
5. FOR TYPICAL SYMBOLS AND ABBREVIATIONS. SEE SHEET G001.
6. ALL ITEMS SHOWN OR NOTED ARE EXISTING, UNLESS INDICATED OTHERWISE AS NEW.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE 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 PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON 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 NONCONFORMING 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."

SITE ACCESSIBILITY NOTES

BE006	(E) DOOR TO REMAIN, PROTECT IN PLACE
BN028	REINSTALL (E) SALVAGED THRESHOLDS & DOOR STOP HARDWARE AT (E) DOORS
SE001	(E) TREE TO REMAIN, PROTECT IN PLACE
SE004	(E) COLUMNS & GUARDRAIL TO REMAIN, PROTECT IN PLACE
SE005	(E) LOW RETAINING WALL TO REMAIN, PROTECT IN PLACE
SE006	(E) FIRE HYDRANT TO REMAIN, PROTECT IN PLACE
SE007	(E) FIRE LANE STRIPING (THICKENED LINE)
SE008	(E) ACCESSIBLE GATE W/ PANIC HARDWARE PER A# 03-116243
SE009	(E) FIRE ALARM HORN PER A# 03-103409
SN001	PROVIDE (2) (N) TREES, SPECIES TO MATCH (E) TREES IN AREA. INSTALL PER 4/A002, TYP.
SN003	TOW AWAY SIGN PER 8/A003
SN011	REPAINT FULL LENGTH OF (E) FIRE LANE CURB & LETTERING PER 2/A001
SN012	(N) CONCRETE PAVING PER 1/C-501, TYP.

KEYNOTES

EXISTING BUILDING(S) NOT IN SCOPE OF WORK

EXISTING BIULDING(S) IN SCOPE OF WORK

NEW CONCRETE PAVING - SEE CIVIL PLANS. CONTROL JOINTS AT 5'-0" O.C. EA. WAY. AND EXPANSION JOINTS AT 20'-0" O.C. MAX.

PROPERTY LINE

NEW TREE, CONTRACTOR TO COORDINATE & EXTEND IRRIGATION WITH DISTRICT

EXISTING TREE, PROTECT IN PLACE

EXISTING BARRIER FREE PATH OF TRAVEL PER A#03-116243

NEW BARRIER FREE PATH OF TRAVEL, SEE SITE ACCESSIBILITY NOTES

EXISTING CHAIN LINK FENCE

EXISTING FIRE HYDRANT LOCATIONS

EXISTING FIRE LANE PER A# 03-116957

XX **ACCESSIBLE FEATURE CALLOUT:**
DF = DRINKING FOUNTAIN
T-B = BOYS TOILET
T-G = GIRLS TOILET
T-AG = STUDENT ALL GENDER TOILET
T-S = STAFF(UNISEX) TOILET

LEGEND

DSA SUBMITTAL

STATE:

ARCHITECT:

architecture
westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

LICENSED ARCHITECT JON EDWARD OSMER C-25861 EXP. 5-2025 STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

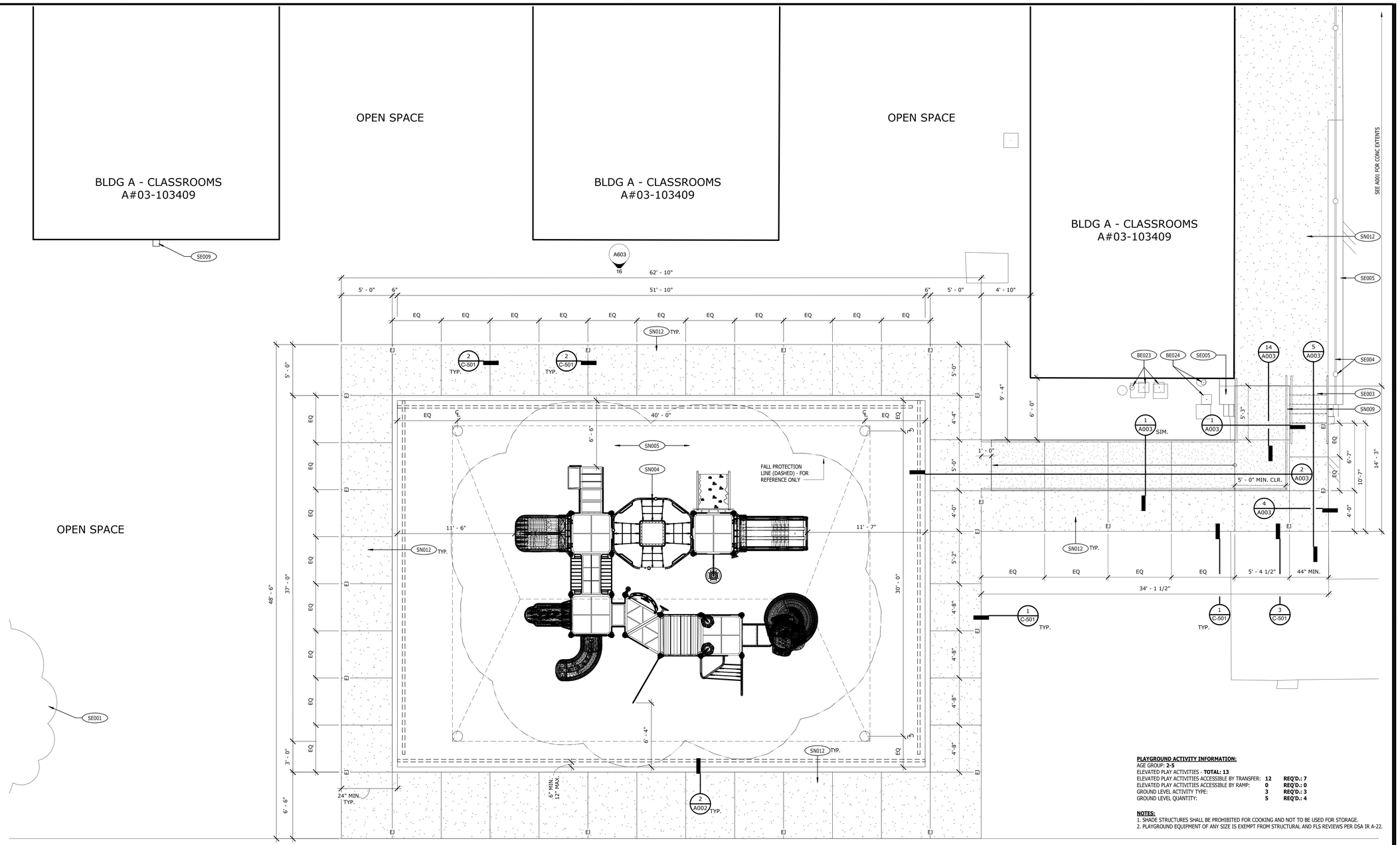
CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147TH ST.,
LAWNDALE, CA 90260

No.	Rev. Date	Description

JOB NO:	24018.01
DATE:	08/29/2025
DRAWN:	TG, GA
CHECK:	RB
ARCHITECT:	JEG
ENGINEER:	

SHEET DESCRIPTION:
SITE PLAN

SHEET NO:
A001



STATE:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

ARCHITECT:

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(714) 508-1780 508-1790 FAX

LICENSED ARCHITECT
JON EDWARDS GEORGE
C-25861
EXP. 5-2025
STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

CLIENT:

LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147TH ST.,
LAWNDALE, CA 90260

No.	Rev. Date	Description

JOB NO: 24018.01
DATE: 08/29/2025
DRAWN: TG, GA
CHECK: RB
ARCHITECT: JEG
ENGINEER:

SHEET DESCRIPTION:
ENLARGED SITE PLANS & SITE DETAILS

SHEET NO:
A002

DSA SUBMITTAL

ENLARGED PLAY STRUCTURE PLAN 1/4" = 1'-0" | 1

PLAYGROUND ACTIVITY INFORMATION:
AGE GROUP: **2-5**
ELEVATED PLAY ACTIVITIES - **TOTAL: 13**

ELEVATED PLAY ACTIVITIES ACCESSIBLE BY TRANSFER:	**12**	**REQ'D.: 7**
ELEVATED PLAY ACTIVITIES ACCESSIBLE BY RAMP:	**0**	**REQ'D.: 0**
GROUND LEVEL ACTIVITY TYPE:	**3**	**REQ'D.: 3**
GROUND LEVEL QUANTITY:	**5**	**REQ'D.: 4**

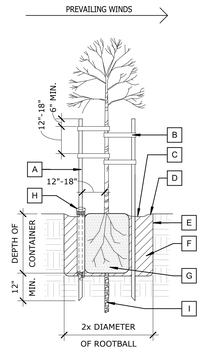
NOTES:
1. SHADE STRUCTURES SHALL BE PROHIBITED FOR COOKING AND NOT TO BE USED FOR STORAGE.
2. PLAYGROUND EQUIPMENT OF ANY SIZE IS EXEMPT FROM STRUCTURAL AND FLS REVIEWS PER DSA IR A-22.

PLANTING NOTES:
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, & EQUIPMENT NECESSARY TO FURNISH & INSTALL PLANT MATERIAL AS SHOWN ON THE DRAWINGS & DESCRIBED IN THE SPECIFICATIONS.
- UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, STRUCTURAL IMPROVEMENTS & HARDSCAPE SHALL BE INSTALLED PRIOR TO PLANTING OPERATIONS
- ALL WORK ON THE IRRIGATION SYSTEM, INCLUDING HYDROSTATIC, COVERAGE, & OPERATIONAL TESTS & THE BACKFILLING & COMPACTGION OF TRENCHES SHALL BE PERFORMED PRIOR TO PLANTING OPERATIONS
- PLANT LIST ON THE DRAWINGS SHALL BE USED AS A GUIDE ONLY, CONTRACTOR SHALL TAKEOFF & VERIFY SIZES & QUANTITIES BY PLAN CHECK
- SAMPLES OF FERTILIZERS, ORGANIC AMENDMENT, SOIL CONDITIONERS, & SEED SHALL BE SUBMITTED PRIOR TO INCORPORATION. CONTRACTOR SHALL FURNISH TO THE OWNER'S AUTHORIZED REPRESENTATIVE A CERTIFICATE OF COMPLIANCE FOR SUCH FURNISHED MATERIALS
- LOCATIONS OF PLANT MATERIAL SHALL BE REVIEWED ON SITE BY THE OWNER'S AUTHORIZED REPRESENTATIVEPRIOR TO INSTALLATION
- AMENDMENTS, AS INDICATED IN THE SOILS REPORT, ARE BASED ON AGRICULTURAL SUITABILITY SOILS TESTS PERFORMED PRIOR TO GRADING & WERE PRESENTED FOR BIDDING PURPOSES. IF NO SOILS REPORT EXISTS, CONTRACTOR SHALL PROPOSE ON AMENDMENTS AS STATED IN THE SPECIFICATIONS. CLIENT OR CONTRACTOR SHALL OBTAIN AGRICULTURAL SOILS TESTING & RECOMMENDATIONS AFTER GRADING OPERATIONS & PRIOR TO PLANT INSTALLATION.
- TREES SHALL BE PLANTED NO CLOSER THAN **10'-0"** FROM UTILITIES
- TREES PLANTED WITHIN **5'-0"** OF HARDSCAPE OR STRUCTURES SHALL BE INSTALLED WITH A ROOT BARRIER AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE
- IF, DURING PLANTING OPERATIONS THERE SEEMS TO BE MNIMAL OR NO PERCOLATION IN PLANTING PITS, CONTRACTOR SHALL CEASE PLANTING, OPERATIONS & NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE TO DISCUSS ALTERNATIVE TO MAINTAINING POSITIVE ROOTBALL DRAINAGE MEASURES

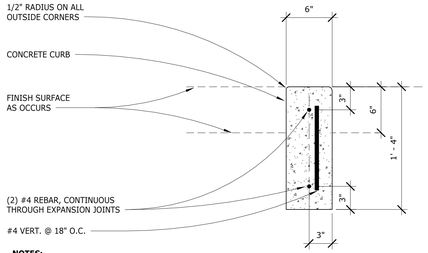
PLANTING NOTES

NOTES:
- CROWN OF ROOTBALL TO BE 1" ABOVE FINISH GRADE
- FOR ADDITINAL INFORMATION, REFER TO PLANTING NOTES & SPECIFICATIONS

DETAIL NOTES:
A. 2" MIN. DIA. x 10'-0" LODGE POLE STAKE BOTH SIDES, OR 'TOMAHAWK TREE STABILIZER SYSTEM' (1.800.845.3343), OR APPROVED EQUAL
B. CINCH TIE, ARBOR TIE, OR APPROVED EQUAL
C. A SHALLOW BASIN 2" DEEP SHALL BE FORMED AROUND BALL BELOW FINISH GRADE. TREES PLANTED IN TURF AREAS SHALL NOT HAVE BASINS
D. FINISH GRADE
E. TREES INSTALLED WITHIN TURF AREAS SHALL BE INSTALLED WITH 'ARBOR-GARD' OR APPROVED EQUAL AT BASE OF TRUNK
F. BACKFILL IN ACCORDANCE WITH PROJECT AGRICULTURAL SUITABILITY SOILS REPORT
G. ROOTBALL
H. 4" OBSERVATION TUBE WITH 3/4" GRAVEL AT BASE
I. 12" AUGER THROUGH CALICHE OR HARD PAN

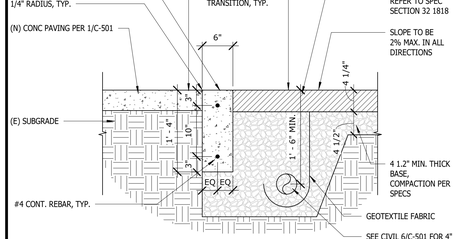


TREE PLANTING (DOUBLE STAKE - 15 GAL. & 24" BOX) N.T.S. | 4



NOTES:
1. INSTALL 1/2" FIBER EXPANSION JOINTS AT 24'-0" MAX., INCLUDING ALL CURVES, TANGENTS, AND CORNERS.
2. SACK FINISH ALL EXPOSED SURFACES SMOOTH.

CONCRETE CURB (STRAIGHT) 1 1/2" = 1'-0" | 3

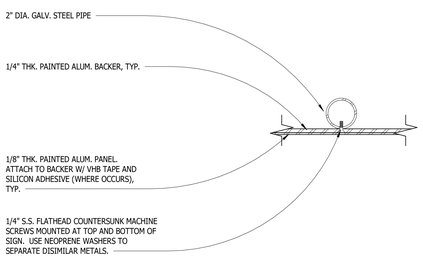


NOTES:
1. PROVIDE CONC CURB EXPANSION JOINTS @ 30' MAX.
2. BASE FOR SAFETY TILE SHALL CONSIST OF A 95% COMPACTION CLASS A BASE, ACHIEVED BY THE FOLLOWING PROCEDURE:
   A. SLOPE COMPACTED EARTH TO DRAINS AT MIN. SLOPE OF 1%
   B. APPLY 2" LAYER OF BASE MATERIAL & COMPACT W/ SOIL COMPACTOR
   C. REPEAT ABOVE STEP TO OBTAIN REQ'D. THICKNESS OF MATERIAL
   D. FINISHED BASE MATERIAL SHALL BE CONSISTENTLY SMOOTH, FLAT, AND UNIFORM

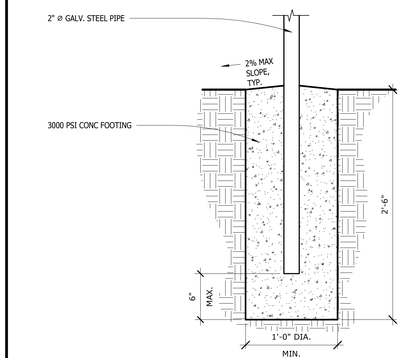
RUBBER PLAY MAT & CURB DETAIL 1" = 1'-0" | 2

KEYNOTES

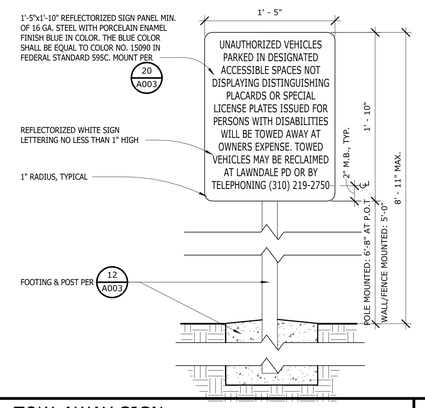
BE023	(E) IRRIGATION CONTROL VALVE TO REMAIN. PROTECT IN PLACE
BE024	(E) WATER LINE TO REMAIN. PROTECT IN PLACE
SE001	(E) TREE TO REMAIN, PROTECT IN PLACE
SE003	(E) PORTION OF STAIR TO REMAIN
SE004	(E) COLUMNS & GUARDRAIL TO REMAIN, PROTECT IN PLACE
SE005	(E) LOW RETAINING WALL TO REMAIN, PROTECT IN PLACE
SE009	(E) FIRE ALARM HORN PER A# 03-103409
SN004	PLAYGROUND EQUIPMENT
SN005	RUBBERIZED PLAYGROUND SURFACE PER 2/A002
SN009	HANDRAIL PER 5/A003
SN012	(N) CONCRETE PAVING PER 1/C-501, TYP.



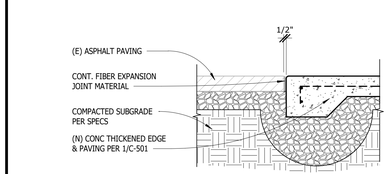
SIGN MOUNTING 3" = 1'-0" | 20



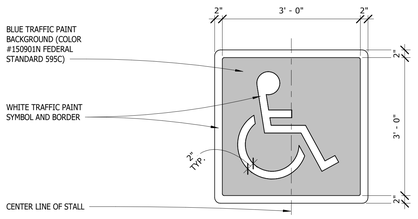
SIGN POST FOOTING 1 1/2" = 1'-0" | 12



TOW-AWAY SIGN 1 1/2" = 1'-0" | 8

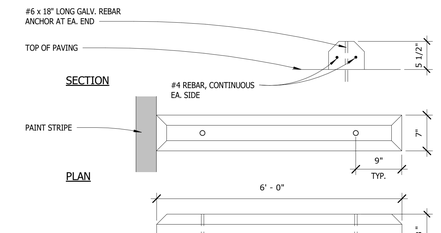


(E) ASPHALT AT CONC PAVING 1" = 1'-0" | 4



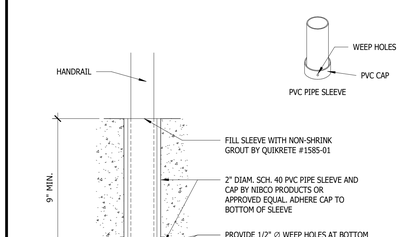
NOTES:
- A 36 BY 36-INCH BLUE BACKGROUND COLOR #15090 IN FEDERAL STANDARD 595C WITH A WHITE INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED ON THE PARKING SPACE SURFACE VISIBLE TO TRAFFIC ENFORCEMENT OFFICERS WHEN VEHICLES ARE PROPERLY PARKED IN THE SPACE.
- THE PARKING SPACE SHALL BE OUTLINED OR PAINTED BLUE WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY OUTLINE IN WHITE OR OTHER SUITABLE CONTRASTING COLOR.
- PROVIDE TWO (2) COATS OF TRAFFIC PAINT

ACCESS. PRK'G STALL SYMBOL 3/4" = 1'-0" | 19



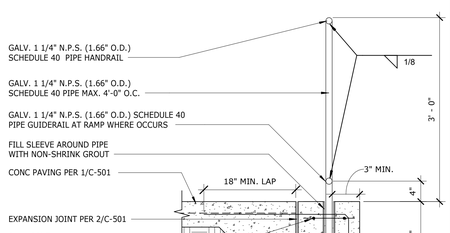
NOTE: INSTALL WHEEL STOP AWAY FROM AISLE AT ACCESSIBLE STALL(S)

WHEEL STOP DETAIL 1" = 1'-0" | 15



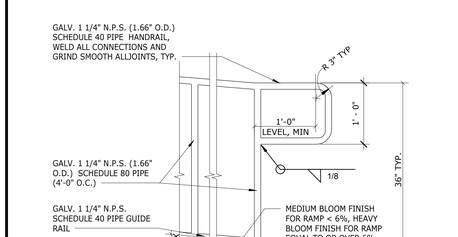
NOTES:
- CAREFULLY CORE (E) STAIR & LANDING FOR INSTALLATION OF (N) HANDRAILS
- PROVIDE A CONTROL JOINT INTO THE CONCRETE ON BOTH SIDES FOR EACH POST
- FOLLOW SOLVENT WELDING INSTRUCTIONS PER MFR SPECS WHEN ADHERING PVC CAP TO BOTTOM OF SLEEVE

TYP. POST RAIL EMBED 3" = 1'-0" | 6



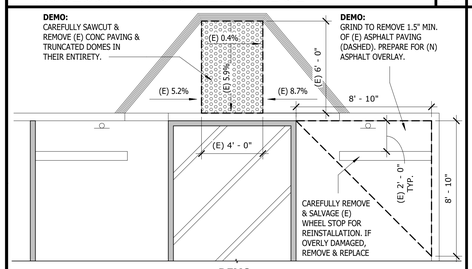
NOTE:
- TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 36" ABOVE SURFACES.
- HANDRAILS SHALL BE AT A CONSISTENT HEIGHT 11B-505.4

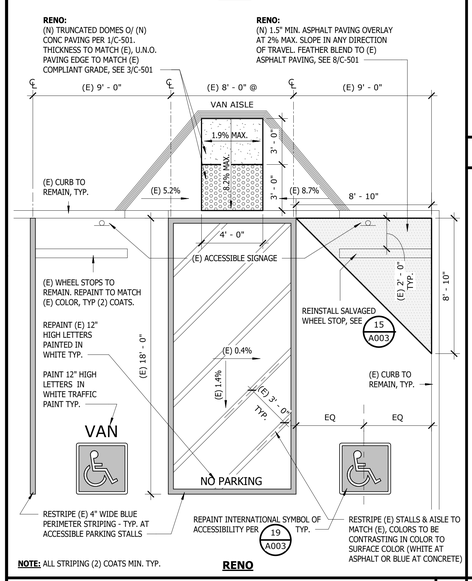
HANDRAIL SECTION 1" = 1'-0" | 7



NOTES:
- TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 36" ABOVE SURFACES.
- HANDRAILS SHALL BE AT A CONSISTENT HEIGHT 11B-505.4

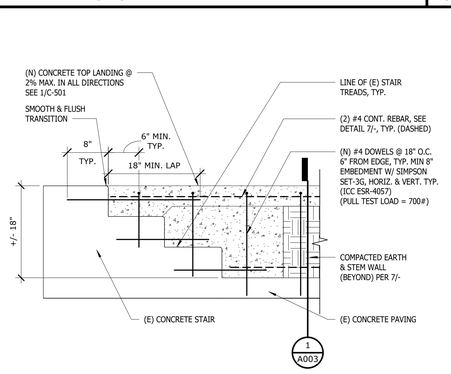
RAMP HANDRAIL ELEVATION 1" = 1'-0" | 3





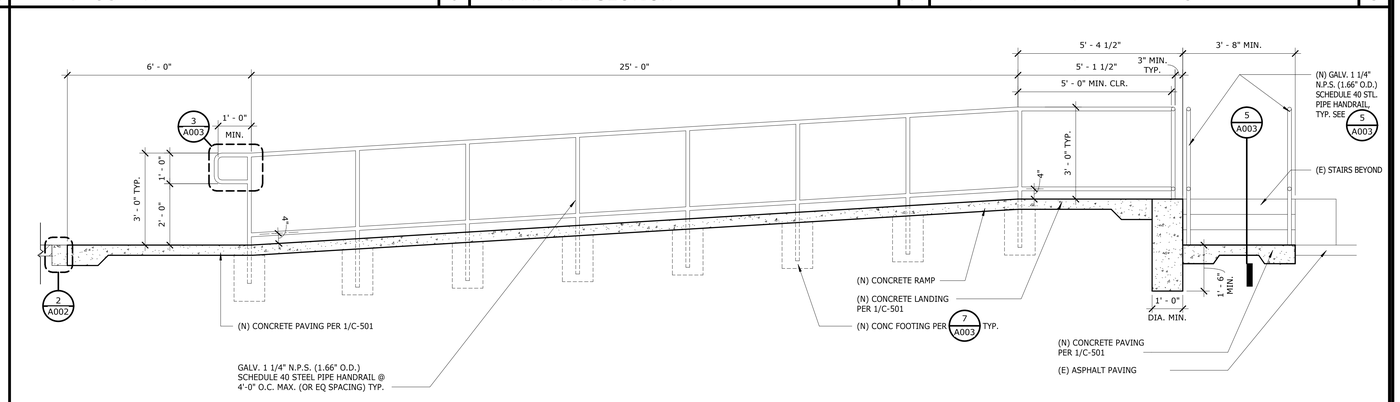
NOTE: ALL STRIPING (2) COATS MIN. TYP.

ENLARGED ACCESS. PARKING PLAN 1/4" = 1'-0" | 17



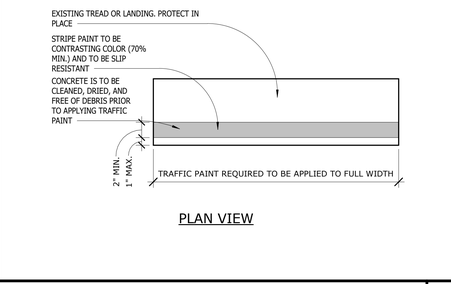
NOTE: PROVIDE DOWELS FOR SOG REINF. INTO (E) STAIR AS SHOWN

LANDING AT (E) STAIRS 1" = 1'-0" | 14

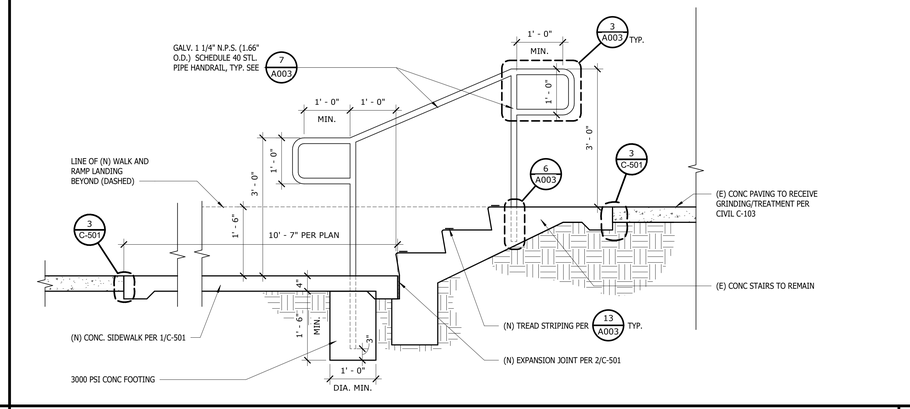


SECTION - RAMP 1/2" = 1'-0" | 2

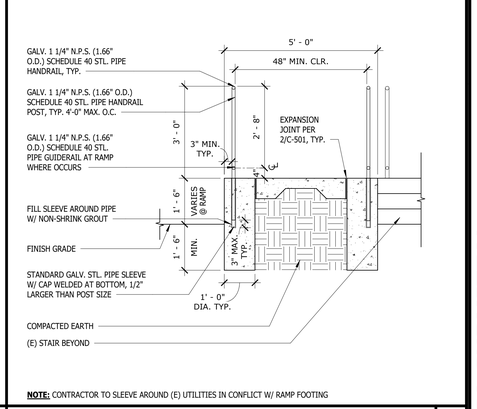
NOTE:
-EXISTING **EXTERIOR STAIRS** CALLED OUT ON PLANS TO RECEIVE CONTRASTING COLOR PAINT AT UPPER APPROACH AND ALL TREADS, TYP.



STAIR STRIPING 1 1/2" = 1'-0" | 13



HAND RAIL @ (E) CONCRETE STAIR 3/4" = 1'-0" | 5



NOTE: CONTRACTOR TO SLEEVE AROUND (E) UTILITIES IN CONFLICT W/ RAMP FOOTING

RAMP/RAMP LANDING - SECTION 1/2" = 1'-0" | 1

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C-25861
EXP. 5-2025
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PROJECT NAME:

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PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

DSA SUBMITTAL

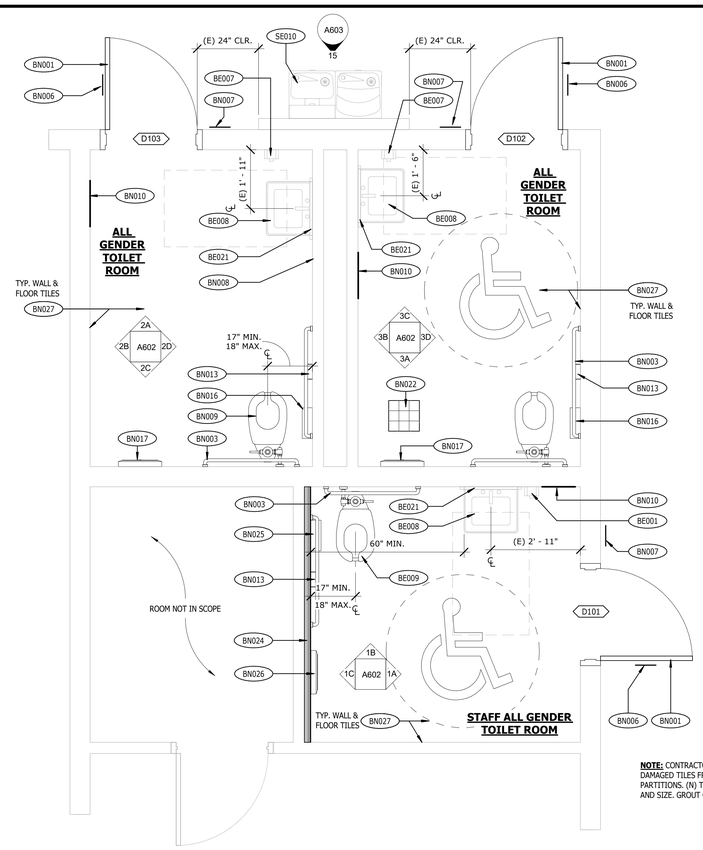
CLIENT:
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4161 W 147TH ST.,
LAWNDALE, CA 90260

No.	Rev. Date	Description

JOB NO: 24018.01
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ENGINEER:

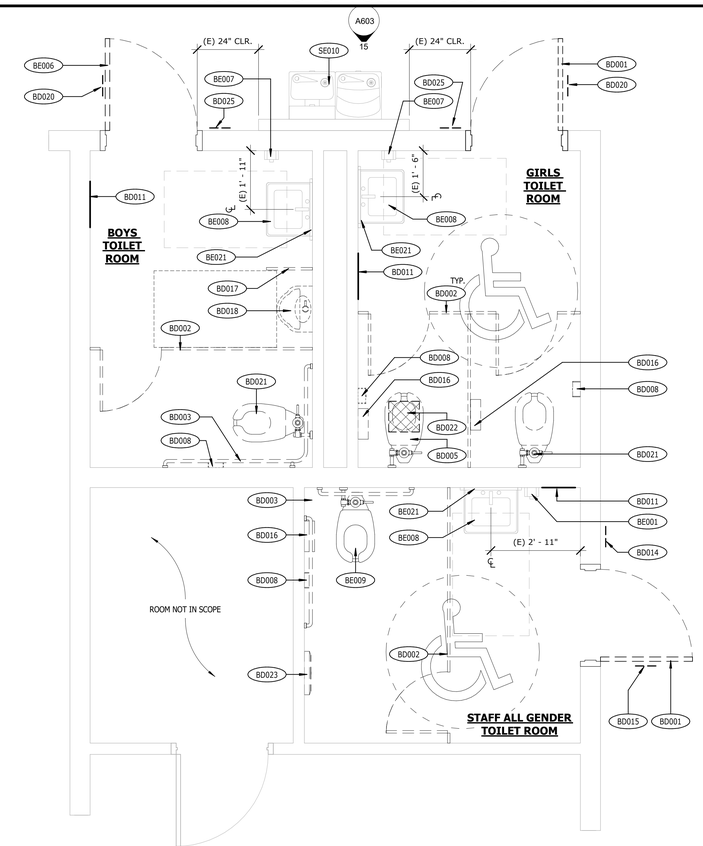
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SITE DETAILS

SHEET NO:
A003

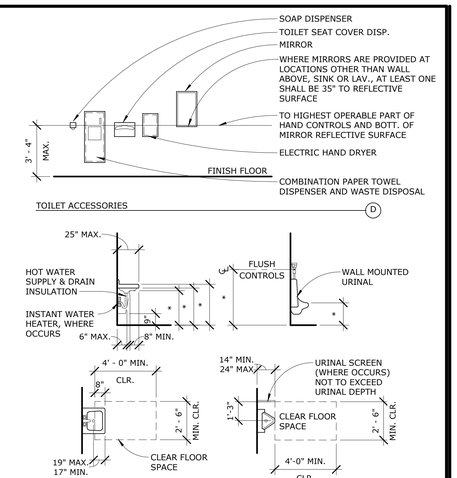


NOTE: CONTRACTOR TO REPLACE ALL DAMAGED TILES FROM REMOVAL OF (E) PARTITIONS. (N) TILE TO MATCH (E) COLOR AND SIZE. GROUT COLOR TO MATCH (E)

BUILDING 'C' TOILET ROOMS - RENO 1/2" = 1'-0" 3



BUILDING 'C' TOILET ROOMS - DEMO 1/2" = 1'-0" 1



* REFER TO ACCESSIBLE MOUNTING HEIGHTS TABLE FOR FIXTURE MOUNTING HEIGHTS.

ALL DIMENSIONS TO FACE OF FINISH, UNLESS NOTED OTHERWISE

ACCESSIBILITY REQUIREMENTS

ITEM	MOUNTING DIMENSION
TOILET CENTERING FROM FINISH FACE OF WALL	17" TO 18"
TOILET SEAT HEIGHT/DIMENSION TO TOP OF SEAT	17" TO 19"
GRAB BAR HEIGHT (SIDE) - TO TOP OF THE GRIPPING SURFACE	33" TO 36"
TOILET PAPER IN FRONT OF TOILET TO CENTERLINE OF DISP.	7" TO 9"
NAPKIN DISPOSAL LOCATED BETWEEN REAR WALL AND TOILET PAPER DISPENSER*	-
DISPENSER (TO TOP OF OPERABLE PARTS) OR MIRROR HEIGHT	40" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.
LAVATORY APRON CLEARANCE	29" MIN.
LAVATORY/SINK APRON KNEE CLEARANCE	27" MIN.
URINAL LIP HEIGHT	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34" - 38"

ACC. MOUNTING HEIGHTS TABLE

BD001	REMOVE (E) DOOR IN ITS ENTIRETY. KEEP (E) FRAME. PREPARE FOR (N) DOOR
BD002	REMOVE (E) TOILET PARTITION WALLS & DOORS IN THEIR ENTIRETY. REMOVE (E) DAMAGED WALL & FLOOR TILES, WHERE OCCURS
BD003	REMOVE (E) GRAB BARS IN THEIR ENTIRETY, REMOVE (E) DAMAGED WALL TILES WHERE OCCURS
BD005	REMOVE (E) WATER CLOSET IN ITS ENTIRETY, CUT & CAP (E) PLUMBING PIPING IN (E) WALL
BD008	REMOVE (E) TOILET PAPER DISPENSER IN ITS ENTIRETY
BD011	CAREFULLY REMOVE (E) RESESSED HAND DRYER & SALVAGE FOR REINSTALLATION, SEE RENO PLANS
BD014	REMOVE (E) TOILET WALL SIGNAGE IN ITS ENTIRETY
BD015	REMOVE (E) TOILET ROOM SIGNAGE IN ITS ENTIRETY
BD016	REMOVE (E) SANITARY NAPKIN DISPOSAL IN ITS ENTIRETY
BD017	REMOVE (E) URINAL PARTITION IN ITS ENTIRETY, REMOVE DAMAGED WALL TILES WHERE OCCURS
BD018	REMOVE (E) URINAL IN ITS ENTIRETY, CUT & CAP PLUMBING INSIDE (E) WALL. REMOVE DAMAGED TILES WHERE OCCURS
BD020	CARFULLY REMOVE (E) TOILET DOOR SIGNAGE & SALVAGE TO DISTRICT
BD021	REMOVE (E) WATER CLOSET IN ITS ENTIRETY
BD022	CAREFULLY SAWCUT & REMOVE PORTION OF (E) CONC SLAB TO BE PATCHED, TYP. (HATCHED)
BD023	REMOVE (E) WATER CLOSET SEAT COVER DISPENSER IN ITS ENTIRETY
BD025	CARFULLY REMOVE (E) TOILET WALL SIGNAGE & SALVAGE TO DISTRICT
BE001	REMOVE & RELOCATE (E) SOAP DISPENSER TO 40" MAX. TO OPERABLE PARTS
BE006	(E) DOOR TO REMAIN, PROTECT IN PLACE
BE007	(E) SOAP DISPENSER TO REMAIN, PROTECT IN PLACE
BE008	(E) LAVATORY TO REMAIN, PROTECT IN PLACE
BE009	(E) WATER CLOSET TO REMAIN, PROTECT IN PLACE
BE021	(E) MIRROR TO REMAIN, PROTECT IN PLACE
BN001	(N) HM DOOR, SEE DOOR SCHEDULE ON A701 & SPEC SECTION 08 1400
BN003	(N) GRAB BARS PER 9/A603, SEE A601 FOR ACCESSIBILITY REQUIREMENTS
BN006	(N) TOILET DOOR SIGNAGE PER 5E/A603
BN007	(N) TOILET WALL SIGNAGE PER 5F/A603
BN008	PATCH & REPAIR WALL OPENING WITH (N) TILE O/ THINSET MORTAR O/ CEMENTITIOUS BD. CEMENTITIOUS BD TO MATCH (E) THICKNESS, TILE TO MATCH (E) SIZE & COLOR, GROUT COLOR TO MATCH (E)
BN009	INSTALL (N) WATER CLOSET, EXTEND (E) PLUMBING TO (N) LOCATION. MODEL: KOHLER HIGHCLIFF ULTRA K-96057, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED ADA BOWL, 1-1/2 TOP SPUD. COMPLETE W/ ROYAL SLOAN 111-1.28-YG-TP EXPOSED FLUSH VALVE @ 1.28GPF, BEMIS HEAVY-DUTY ELONGATED OPEN FRONT TOILET SEAT, MODEL: 1955SSCT, WHITE IN COLOR W/ STAINLESS STEEL BOLTS. CENTER WATER CLOSET AT FRONT & BACK OF FIXTURE & MOUNT PER ACCESSIBILITY REQUIREMENTS ON A601
BN010	INSTALL SALVAGED HAND DRYER AT 40" TO INFRARED CENTER OF SENSOR PER 18/A603. EXTEND (E) ELECTRICAL AS NEEDED FOR (N) LOCATION
BN013	(N) SURFACE MOUNTED TOILET PAPER DISPENSER, MOUNT PER ACCESSIBLE MOUNTING REQUIREMENTS ON A601
BN016	(N) SANITARY NAPKIN DISPOSAL, SEE ACCESSIBLE MOUNTING HEIGHT PER A603
BN017	(N) WATER CLOSET SEAT COVER DISPENSER, SEE ACCESSIBLE MOUNTING HEIGHT PER A603
BN022	PATCH & REPAIR (E) SLAB, SEE 17/A603. FINISH W/ (N) TILE TO MATCH (E) FLOOR TILE COLOR & SIZE. GROUT COLOR TO MATCH (E)
BN024	(N) PARTIAL HEIGHT FURRED WALL PER 13/A603
BN025	REINSTALL (E) SANITARY NAPKIN DISPOSAL PER ACCESSIBILE REQUIREMENTS ON A601
BN026	REINSTALL (E) WATER CLOSET SEAT COVER DISPENSER PER ACCESSIBILE REQUIREMENTS ON A601
BN027	PATCH & REPAIR REMOVED DAMAGED TILES FROM ANCHOR HOLES. TILE TO MATCH (E) SIZE & COLOR, GROUT COLOR TO MATCH (E), TYP.
SE010	(E) ACCESSIBLE DRINKING FOUNTAIN PER A# 03-103409

KEYNOTES

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westbergwhite architecture
7700 IRVINE CENTER DR, SUITE 100
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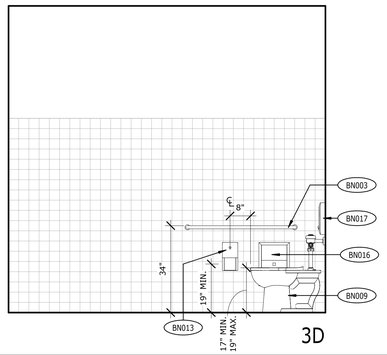
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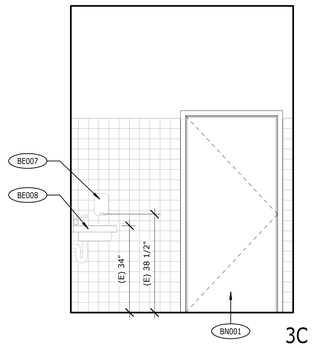
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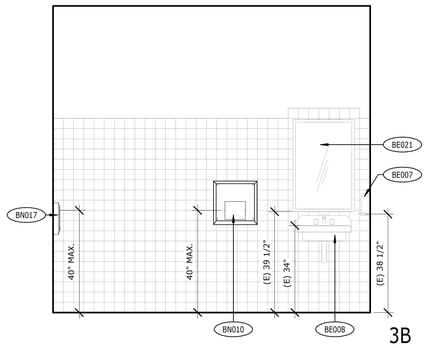
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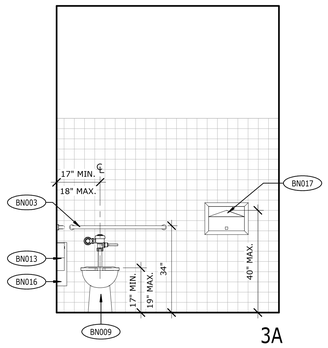
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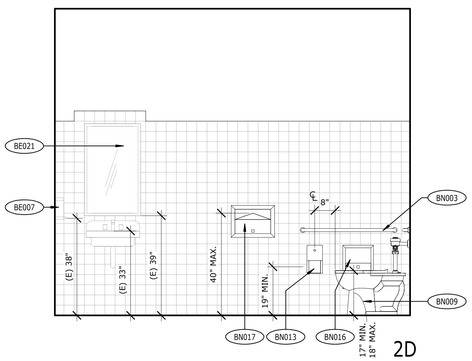


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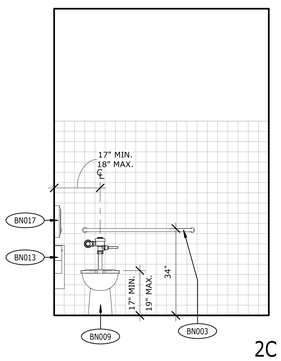


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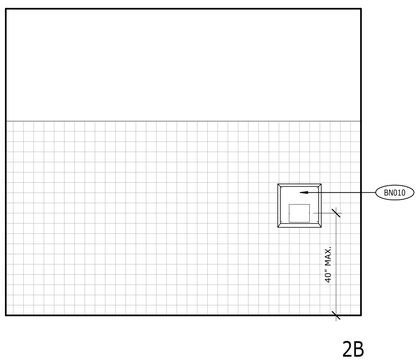
STUDENT A.G. TOILET ROOM - INT. ELEVS. - RENO 1/4" = 1'-0" 3



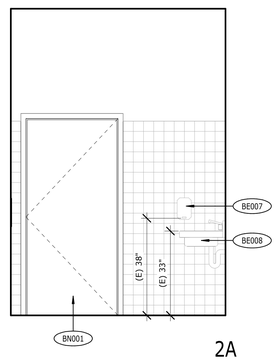
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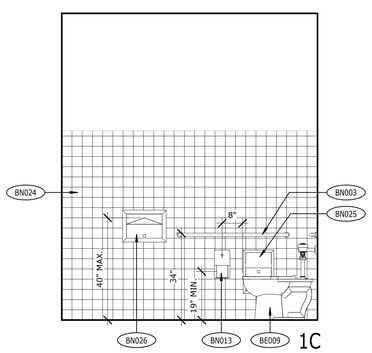


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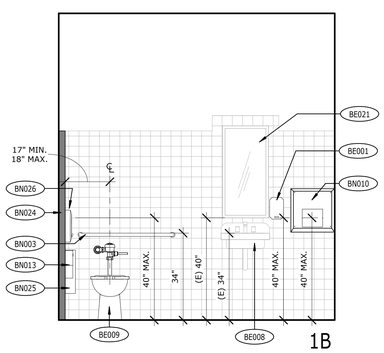


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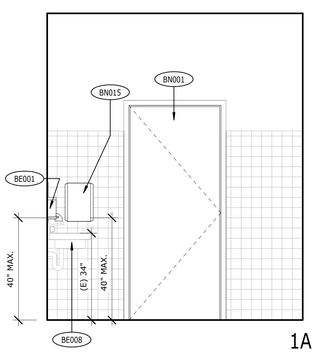
BOYS TOILET ROOM - INT. ELEVS. - RENO 1/4" = 1'-0" 2



1C



1B



1A

STAFF A.G. TOILET ROOM - INT. ELEVS. - RENO 1/2" = 1'-0" 1

BE001	REMOVE & RELOCATE (E) SOAP DISPENSER TO 40" MAX. TO OPERABLE PARTS
BE007	(E) SOAP DISPENSER TO REMAIN, PROTECT IN PLACE
BE008	(E) LAVATORY TO REMAIN, PROTECT IN PLACE
BE009	(E) WATER CLOSET TO REMAIN, PROTECT IN PLACE
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BN013	(N) SURFACE MOUNTED TOILET PAPER DISPENSER, MOUNT PER ACCESSIBLE MOUNTING REQUIREMENTS ON A601
BN015	(N) PAPER TOWEL DISPENSER, SEE ACCESSIBLE MOUNTING HEIGHT PER A603
BN016	(N) SANITARY NAPKIN DISPOSAL, SEE ACCESSIBLE MOUNTING HEIGHT PER A603
BN017	(N) WATER CLOSET SEAT COVER DISPENSER, SEE ACCESSIBLE MOUNTING HEIGHT PER A603
BN024	(N) PARTIAL HEIGHT FURRED WALL PER 13/A603
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BN026	REINSTALL (E) WATER CLOSET SEAT COVER DISPENSER PER ACCESSIBLE REQUIREMENTS ON A601

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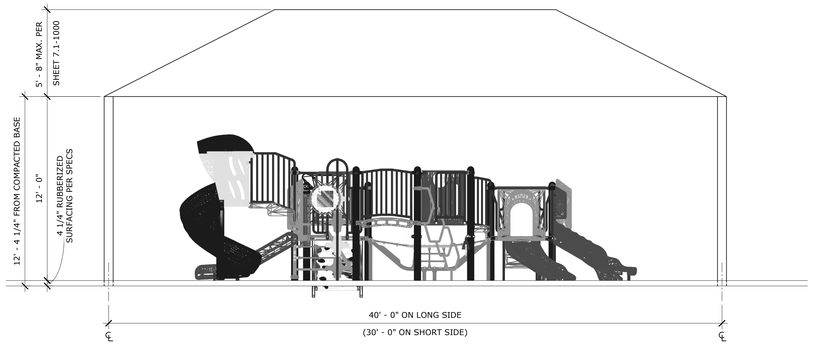
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4161 W 147TH ST.,
LAWNDALE, CA 90260

No.	Rev. Date	Description

JOB NO: 24018.01
DATE: 08/29/2025
DRAWN: TG, GA
CHECK: RB
ARCHITECT: JEG
ENGINEER:

SHEET DESCRIPTION:
INTERIOR ELEVATIONS

SHEET NO:
A602

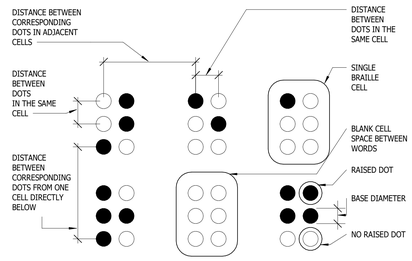


PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE ELEVATION 1/4" = 1'-0" | 16

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
2. CHARACTER HEIGHT: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUN OF 2 INCHES HIGH.
3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. (11B-703.5.1)
4. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED ABOVE THE BACKGROUND ACCORDING TO THE DIMENSIONAL RANGE SHOWN BELOW. (11B-703.3).

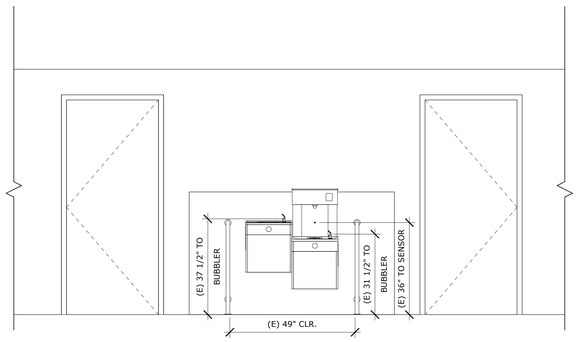
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5mm) TO 0.063 (1.6mm)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL PER NOTE #1	0.100 (2.5mm)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS PER NOTE #1	0.300 (7.6mm)
DOT HEIGHT	0.025 (0.6mm) TO 0.037 (0.9mm)
DISTANCE MEASURED BETWEEN CORRESPONDING DOTS FROM ONE CELL BELOW PER NOTE #1	0.395 (10mm) TO 0.400 (10.2mm)

NOTE:
1. MEASURED CENTER TO CENTER

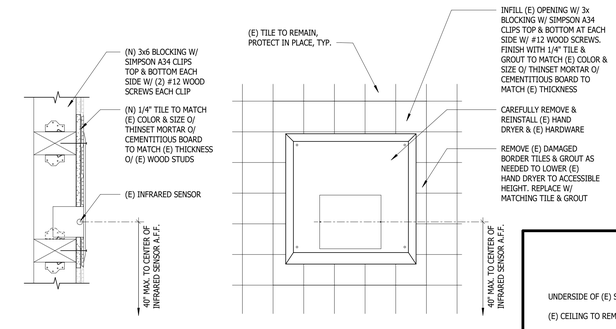


REQUIRED ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

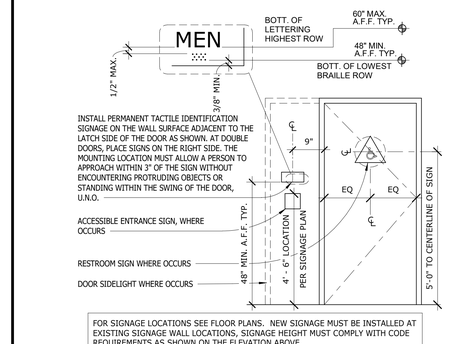
TACTILE / BRAILLE NOTES 12" = 1'-0" | 4



(E) D.F. ELEVATION 1/2" = 1'-0" | 15



(E) H.D. INSTALL. @ (N) HEIGHT 1 1/2" = 1'-0" | 18

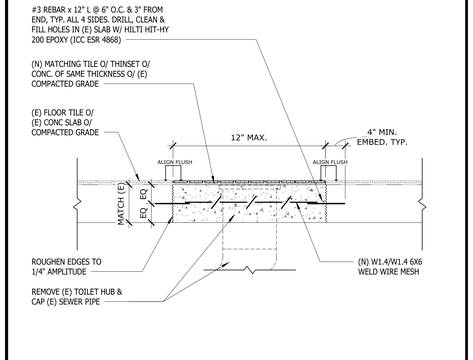


FOR SIGNAGE LOCATIONS SEE FLOOR PLANS. NEW SIGNAGE MUST BE INSTALLED AT EXISTING SIGNAGE WALL LOCATIONS, SIGNAGE HEIGHT MUST COMPLY WITH CODE REQUIREMENTS AS SHOWN ON THE ELEVATION ABOVE

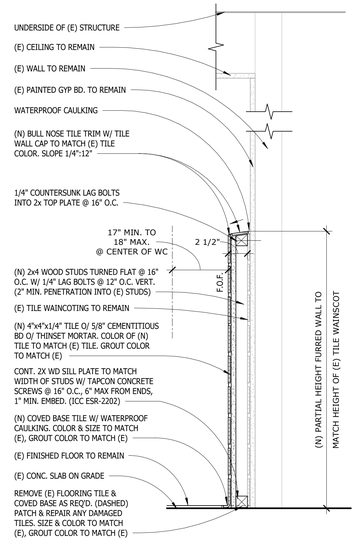
NOTES:

1. SIGN MATERIAL SHALL BE MIN. 1/4" THICK ACRYLIC PLASTIC WITH SURFACE PAINTED FINISH. SIGN GRAPHICS, NUMBERS AND LETTERS SHALL BE RAISED 1/32" .
2. LETTERS SHALL BE UPPER CASE, OFFICINA SANS BOOK FONT TYPE. AT TACTILE SIGN LOCATIONS SIGN SHALL BE ACCOMPANIED BY CALIF. CONTRACTED GRADE 2 BRAILLE WITH CHARACTER TYPE AND HEIGHT PER DETAIL 4/-.
3. INSTALL ALL ROOM NAME/NUMBER SIGNAGE ON WALL AT EXTERIOR SIDE OF ROOM U.N.O.
4. INSTALL ALL EXIT AND EXIT ROUTE SIGNAGE ON WALL AT INTERIOR SIDE OF ROOM
5. SIGN BACKGROUND SHALL HAVE A 70% MIN. CONTRAST COLOR W/ TEXT LETTERS AND BORDER W/ NON GLARE FINISH.
6. SIGNS ADHESIVELY APPLIED TO GLASS SHALL HAVE ADDITIONAL PLASTIC BACKING SAME SIZE AS SIGN ADHESIVELY APPLIED TO OTHER SIDE OF GLASS.
7. ALL SIGNAGE TO BE ATTACHED WITH 3M VHB TAPE AND SILCONE ADHESIVE.
8. VERIFY SIGN TEXT AND ROOM NUMBER WITH OWNER.
9. PROVIDE EASED EDGES ON ALL SIDES OF SIGNAGE.

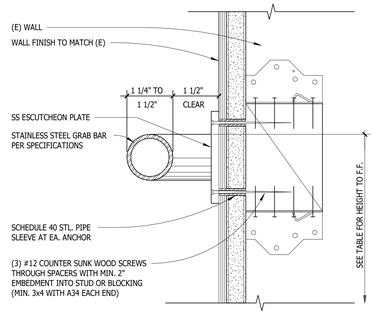
ROOM SIGNAGE NOTES N.T.S. | 2



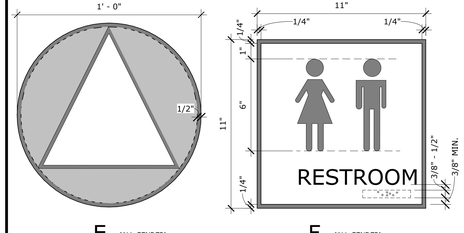
CONC. SLAB ON GRADE N.T.S. | 17



FURRED WALL @ TOILET ROOM 1 1/2" = 1'-0" | 13



GRAB BAR AT WOOD STUD 6" = 1'-0" | 9

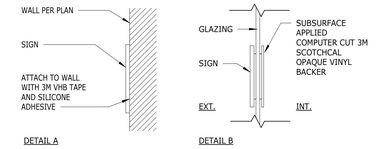


NOTES:
1) REFER TO 2/- FOR ALL SIGN DESIGN AND ACCESSIBILITY REQUIREMENTS
2) REFER TO 1/- FOR INSTALLATION NOTES

SIGNAGE TYPES 3" = 1'-0" | 5

GENERAL MOUNTING NOTES

1. FOR MOUNTING SIGNAGE AT WINDOW SEE DETAIL B.
2. VERIFY ALL SIGN TEXT WITH ***DISTRICT*** PRIOR TO MANUFACTURING SIGNAGE.
3. PROVIDE AN ADDITIONAL 10 BUILDING SIGNS WITH 40 CHARACTERS PER SIGN TO BE DETERMINED DURING CONSTRUCTION PER THE ***DISTRICT***'S DIRECTION.



NOTE: FOR APPLICATION TO GLASS PROVIDE A MATCHING BACK-UP PLATE & MOUNT TO INTERIOR SURFACE OF GLASS WITH ADHESIVE.

SIGNAGE INSTALLATION NOTES N.T.S. | 1

STATE:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

ARCHITECT:

architecture
westbergwhite
7700 IRVINE CENTER DR, SUITE 100
IRVINE, CA 92618
(714) 508-1780 508-1790 FAX

LICENSED ARCHITECT JON EDWARD GOMEZ C-25861 EXP. 5-2025 STATE OF CALIFORNIA

CONSULTANT:

PROJECT NAME:

FDR ELEMENTARY SCHOOL
PLAY STRUCTURE EQUIPMENT & SHADE STRUCTURE INSTALLATION
3533 MARINE AVENUE,
LAWNDALE, CA 90260

DSA SUBMITTAL

CLIENT:
LAWNDALE ELEMENTARY SCHOOL DISTRICT
4161 W 147TH ST.,
LAWNDALE, CA 90260

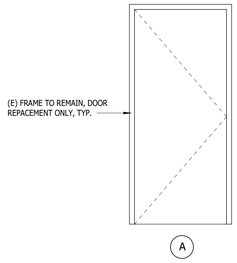
No.	Rev. Date	Description

JOB NO:	24018.01
DATE:	08/29/2025
DRAWN:	TG, GA
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ARCHITECT:	JEG
ENGINEER:	

SHEET DESCRIPTION:
SIGNAGE & PARTITION DETAILS & PLAY STRUCTURE ELEVATION

SHEET NO:
A603

DOOR DESCRIPTION					FRAME AND HARDWARE						DETAILS				
NO.	SIZE	TYPE	MATERIAL	FINISH	MATERIAL	FINISH	CLOSER	PANIC HDWR.	HDWR. GROUP	RATING	HEAD	JAMB HINGE	JAMB STRIKE	THRESHOLD	COMMENTS
D101	3'-0" x 7'-0" x 1 3/4"	A	HM	P	(E)	(E)	No	No	01	---	(E)	(E)	(E)	(E)	(E) DOOR FRAME TO REMAIN, PROTECT IN PLACE.
D102	3'-0" x 7'-0" x 1 3/4"	A	HM	P	(E)	(E)	No	No	01	---	(E)	(E)	(E)	(E)	(E) DOOR FRAME TO REMAIN, PROTECT IN PLACE.
D103	3'-0" x 7'-0" x 1 3/4"	A	HM	P	(E)	(E)	No	No	01	---	(E)	(E)	(E)	(E)	(E) DOOR FRAME TO REMAIN, PROTECT IN PLACE.



HW SET: 01

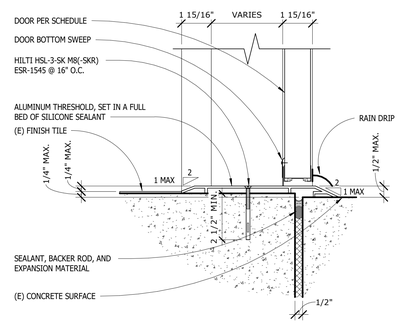
3	EA	HW HINGE	3CB1HW 4.5 X 4.5	652	IVE
1	EA	PRIVACY LOCK W/ OUTSIDE INDICATOR	L9040 17N L583-363 OS-OCC	626	SCH
1	EA	SURFACE CLOSER	4040XP-3077SCNS	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	SET	GASKETING	188SGY PSA (HEAD & JAMB)	GY	ZER

DOOR:

HM HOLLOW METAL
P PAINT

DOOR SCHEDULE & DOOR TYPES

DOOR ABBREVIATIONS



EXTERIOR THRESHOLD 3" = 1'-0" 1

1. SCHEDULE DIMENSIONS REFER TO TOTAL FRAME OPENING.
2. DOOR SHALL BE 1-3/4" THICK, UNLESS OTHERWISE NOTED.
3. SEE MECHANICAL PLANS FOR DOOR LOUVER SIZES AND ADDITIONAL REQUIREMENTS. LOUVERS IN EXTERIOR DOORS SHALL BE VANDAL-PROOF, SECURITY TYPE.
4. ALL FRAMES ARE HOLLOW METAL WITH FACTORY PRIME AND FIELD PAINT.
5. IF DOOR CLOSERS ARE USED, MAXIMUM EFFORT TO OPERATE DOOR SHALL NOT EXCEED 5 LBS.
6. FLOOR-MOUNTED DOORSTOPS AND SIMILAR OBSTRUCTIONS TO BE INSTALLED 4" MAXIMUM FROM THE FACE OF THE WALL OR PARTITION.
7. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 42" AND 44" ABOVE FINISH FLOOR. TO MEET LONG BEACH HEALTH DEPARTMENT REQUIREMENTS.
8. EXTERIOR DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, ANY SPECIAL KNOWLEDGE OR EFFORT.
9. DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
10. ALL EXIT DOORS IN THE BUILDING, INCLUDING BUT NOT LIMITED TO DOORS AT TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
11. GLAZING IN NON-FIRE RATED EXTERIOR DOORS SHALL BE 1/4" THICK TINTED TEMPERED GLASS. GLAZING IN NON-FIRE RATED INTERIOR DOORS SHALL BE 1/4" THICK CLEAR TEMPERED GLASS. GLAZING IN FIRE-RATED DOORS SHALL BE UL-LISTED FIRE-RESISTIVE GLASS. (GLASS IN 60 MINUTES FIRE RATED ASSEMBLIES SHALL NOT EXCEED 100 SQUARE INCHES)

DOOR GENERAL NOTES

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DRAWN: TG, GA
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ARCHITECT: JEG
ENGINEER:

SHEET DESCRIPTION:
DOOR SCHEDULE

SHEET NO:
A702

DSA SUBMITTAL

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 = _____ 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 = _____ ≤ 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
	6.1-1000	PRODUCT INFORMATION	HIP	30' x 30' x 12'	DSA401303012-22
	6.2-2000	REACTIONS	HIP	30' x 30' x 12'	DSA401303012-22
X	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: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

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:
Lawndale Elementary S.D.

PROJECT NAME:
Franklin Roosevelt Elementary

LOCATION:
3533 Marine Ave.
Lawndale, CA 90260

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.

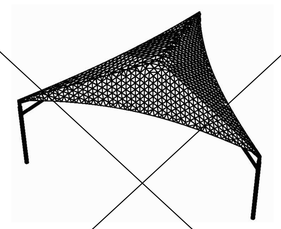
Eng. By :	DWH	8/19/23
Design By :	DWH	8/19/23
Approved By :	DWH	8/19/23

DRAWING DESCRIPTION:

DWG.
TITLE SHEET

SHEET
T-1.0

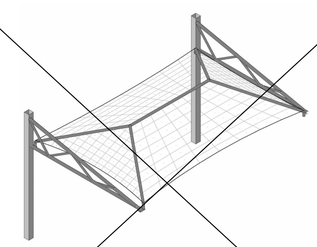
REV.



STRUCTURE MODEL:	DSA30125-22	SEE SHEET 26.1-1000
MAX. SIZE:	25' x 25' x 15'	
MAX. AREA:	277 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

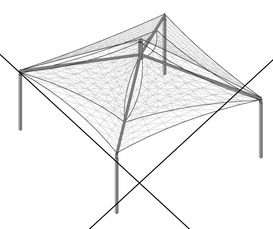
TRIANGLE



STRUCTURE MODEL:	DSA2062030-22	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

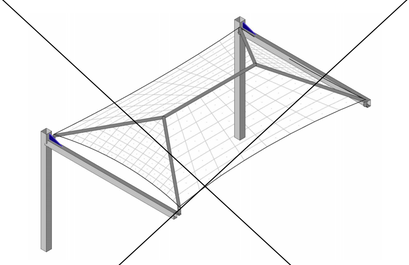
TRI-TRUSS HIP SINGLE WIDE



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

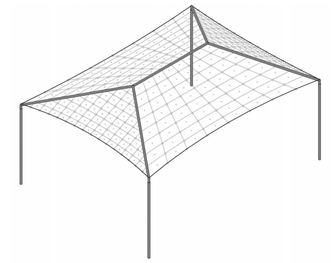
MARINER PEAK



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	
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	
X 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

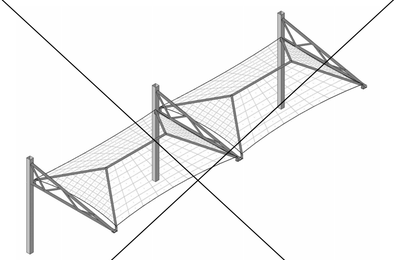
HIP



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

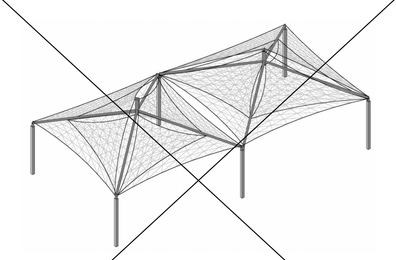
HEXAGON



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

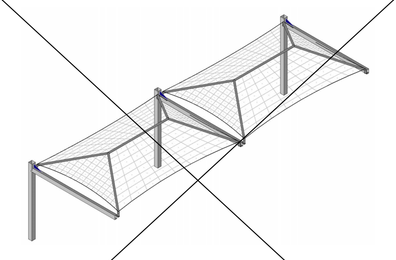
TRI-TRUSS HIP JOINED



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

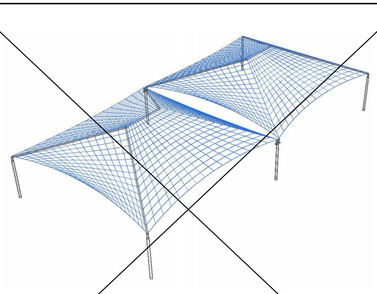
MARINER PEAK JOINED



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

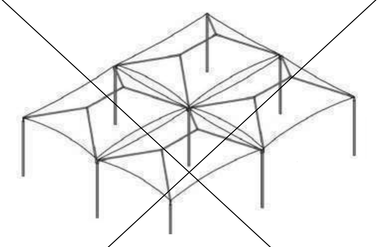
FULL CANTILEVER HIP JOINED



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

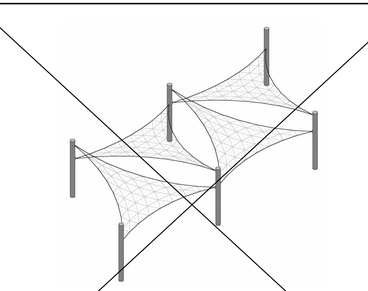


STRUCTURE MODEL:	DSA401Q-22	SEE SHEET 10.1-1000
MAX. SIZE:	VARIES, SEE QUAD HIP UNIT SHEET	
MAX. AREA:	VARIES	
MAX. OCCUPANCY:	VARIES	

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

QUAD HIP

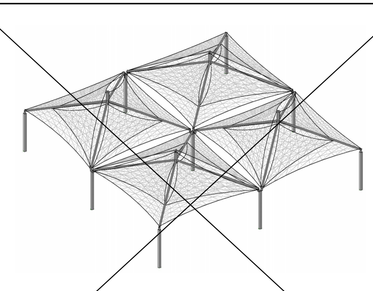
NOT USED



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

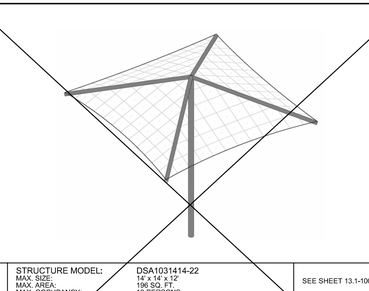
TENSIONS SAILS THREE-POINT



STRUCTURE MODEL:	DSA407Q8060-22	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

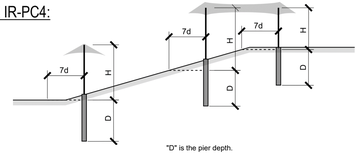


STRUCTURE MODEL:	DSA1031414-22	SEE SHEET 13.1-1000
MAX. SIZE:	14' x 14' x 12'	
MAX. AREA:	196 SQ. FT.	
MAX. OCCUPANCY:	13 PERSONS	
STRUCTURE MODEL:	DSA1032020-22	SEE SHEET 14.1-1000
MAX. SIZE:	20' x 20' x 12'	
MAX. AREA:	400 SQ. FT.	
MAX. OCCUPANCY:	26 PERSONS	

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

SINGLE POST PYRAMID

PER IR-PC4:



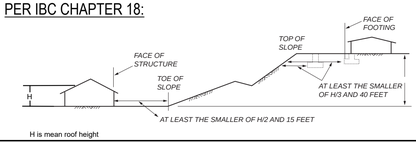
"D" is the pier depth.

"d" is the pier diameter.

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

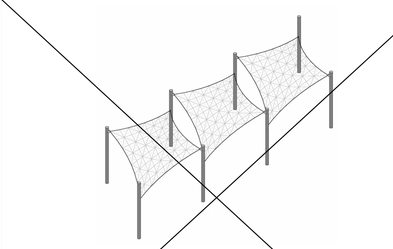
"H" is the theoretical column height (column height plus part of projected height)

PER IBC CHAPTER 18:



H is mean roof height

PC SLOPE DESIGN PARAMETERS

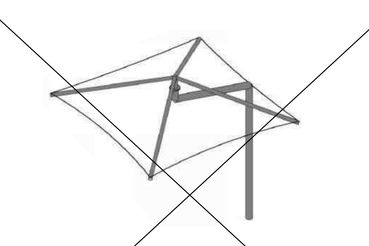


STRUCTURE MODEL:	DSA4182020-22	SEE SHEET 24.1-1000
MAX. SIZE:	20' x 200' x 15'	
MAX. AREA:	4,000 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	
STRUCTURE MODEL:	DSA4183030-22	SEE SHEET 25.1-1000
MAX. SIZE:	30' x 133' x 15'	
MAX. AREA:	3,990 SQ. FT.	
MAX. OCCUPANCY:	266 PERSONS	

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

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

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USA SHADE & 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:
Lawndale Elementary S.D.

PROJECT NAME:
Franklin Roosevelt Elementary

LOCATION:
3533 Marine Ave.
Lawndale, CA 90260

MODEL NUMBER:

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.

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

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

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

Application Number:	School Name:	School District:
04-123501	PCC FABRIC SHADE STRUCTURES	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.

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

	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

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
	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

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	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.** Identifiy, 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'c).	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

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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

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

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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.3.9, 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'c).	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

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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

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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

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
	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.

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

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
	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 steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

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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

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
	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

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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

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**c.** 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:

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-STRENGTH BOLTS (S/A2) SPECIAL INSPECTIONS TESTING MATRIX FOR SPECIFIC MODELS

✓	MODEL	SHEET	HIGH STRENGTH BOLTS	PRETENSIONED / SLIP-CRITICAL CONNECTIONS
	DSA2022030-22	11.1-1000	YES	-
	DSA3022060-22	12.1-1000	YES	-
	DSA1031414-22	13.1-1000	YES	YES
	DSA1032020-22	14.1-1000	YES	YES
	DSA1241414-22	15.1-1000	YES	YES
	DSA1242020-22	16.1-1000	YES	YES
	DSA2062030-22	21.1-1000	YES	-
	DSA3052060-22	22.1-1000	YES	-

DSA 103 (SAMPLE) - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

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

USA SHADE & Fabric Structures®

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

CUSTOMER:
Lawndale Elementary S.D.

PROJECT NAME:

LOCATION:
Franklin Roosevelt Elementary
3533 Marine Ave.
Lawndale, CA 90260

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. **T&I FORMS**

SHEET **T-3.0**

REV.

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 JM
JM
STRUCTURE SHALL BE GOBS) MAIN STRUCTURE STEEL STYLE SUCH AS TYPE W SHAPES 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.

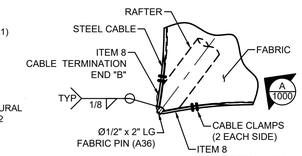
-SPECTRAL RESPONSE COEFFICIENTS	SS	3.00g
	S1	1.389g
	SDS	2.00
	SD1	1.39
-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN SYSTEM.		
-SEISMIC IMPORTANCE FACTOR	Ie	1.0
-DESIGN BASE SHEAR AT BASE	V	3072 LB
-SEISMIC RESPONSE COEFFICIENTS	Cs	1.6
-RESPONSE MODIFICATION FACTOR	R	1.25
-ANALYSIS 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.

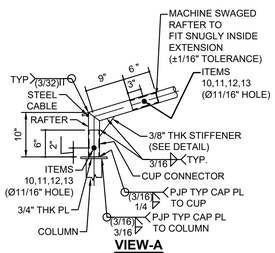
ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

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.

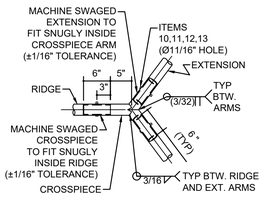
MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 14 FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT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



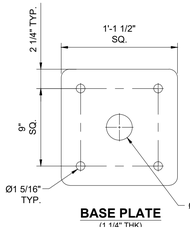
DETAIL 1
REFER TO TOP VIEW



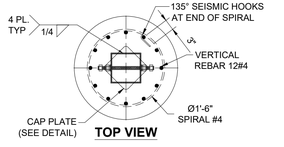
VIEW-A
REFER TO DETAIL-1



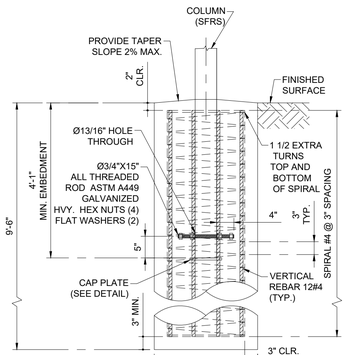
DETAIL-2
REFER TO TOP VIEW



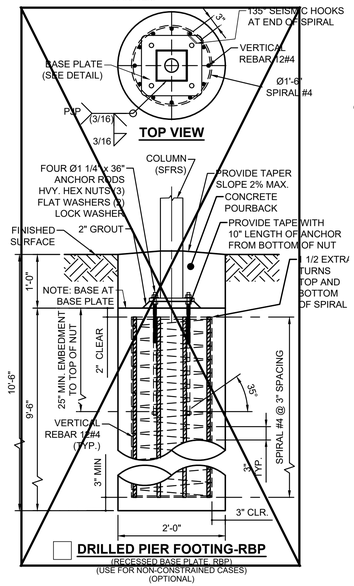
BASE PLATE
(1 1/4" THK)



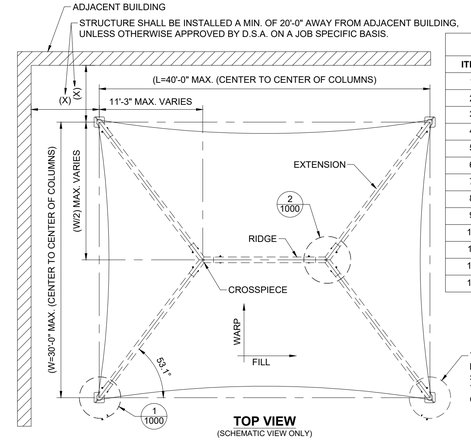
TOP VIEW



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



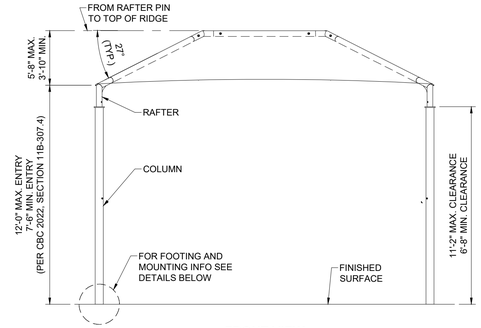
DRILLED PIER FOOTING-RBP
(RECESSED BASE PLATE, RBP)
(USE FOR NON-CONSTRAINED CASES)
(OPTIONAL)



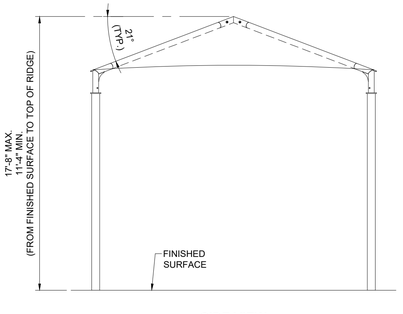
TOP VIEW
(SCHEMATIC VIEW ONLY)

LIST OF MATERIALS

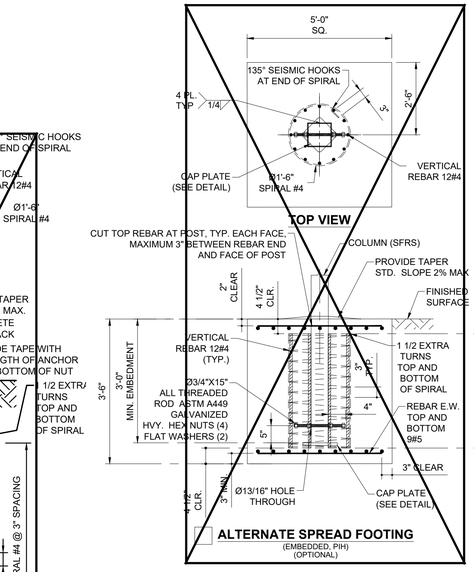
ITEM	QTY	DESCRIPTION	MATERIAL
1	4	COLUMN	HSS 7.0 x 7.0 x 0.250
2	4	CUP CONNECTOR (6" LG)	HSS 4.5 x 0.375
3	4	RAFTER (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 x 0.188)
4	4	EXTENSION (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 x 0.188)
5	2	CROSSPIECE (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 x 0.188)
6	1	RIDGE (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 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	14	Ø5/8"-11NC x 6 1/2" HEX BOLT (ST)	316 SS
11	14	Ø5/8"-11NC HEX NUT	316 SS
12	28	Ø5/8" FLAT WASHER	316 SS
13	14	Ø5/8" SPLIT LOCK WASHER	316 SS



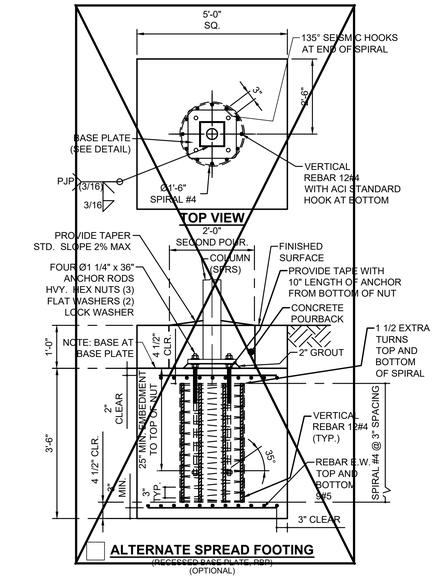
FRONT VIEW
(SCHEMATIC VIEW ONLY)



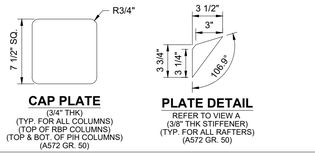
SIDE VIEW
(SCHEMATIC VIEW ONLY)



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: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

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:
Lawndale Elementary S.D.

PROJECT NAME:
Franklin Roosevelt Elementary

LOCATION:
3533 Marine Ave.
Lawndale, CA 90260

MODEL NUMBER:
DSA401304012-22

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 40' 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. **DSA401304012-22**
SHEET **7.1-1000**
REV. **NC**

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

REGISTERED PROFESSIONAL ENGINEER MARK BERGSTROM 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 SINCE 1885

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.

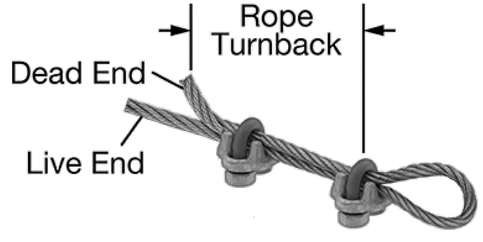
CWalker
Issued By Cortney Walker
Fire Engineering License Manager
Fire Engineering & Investigations Division

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





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 MALBERT CLARK No. 3693 STRUCTURAL STATE OF CALIFORNIA
6/28/2024

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125163 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/10/2025

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:
Lawndale Elementary S.D.

PROJECT NAME:
Franklin Roosevelt Elementary

LOCATION:
3533 Marine Ave.
Lawndale, CA 90260

MODEL NUMBER:
DSA401304012-22

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

STRUCTURE TYPE:
H I P
DSA

SIZE: MAXIMUM
30' x 40' 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:
SPECIFICATIONS

DWG.
DSA401304012-22

SHEET
7.2-2000

REV.
NC