



SHADE STRUCTURES AT INDEPENDENCE HIGH SCHOOL **8001 OLD RIVER RD, BAKERSFIELD, CA 93311 KERN COUNTY** FOR KERN HIGH SCHOOL DISTRICT

INDEPENDENCE H I G H S C H O L



ABBREVIATIONS

	ABBREV	ATIO	NS
OTHERWISE NO	NS WHEN USED IN THESE DOCUMENTS S DTED. OTHER DISCIPLINES (SUCH AS (MAY CONTAIN SPECIFIC REFERENCES	CIVIL, STRUCTUR	AL, MECHANICAL, PLUMBING AND
THOSE DRAW	NGS.		
<u>SYMB.</u> {	AND	KIT.	DESCRIPTION KITCHEN
~ @	ANGLE (DEGREES) APPROXIMATELY AT	LAB. LAM.	LABORATORY LAMINATE
ዊ ወ ±	CENTERLINE DIAMETER OR ROUND PLUS OR MINUS	LAV. LKR. LMB	LAVATORY LOCKER LIQUID MARKER BOARD
# (E)	POUND(S) OR NUMBER EXISTING	LT.	LIGHT
	NEM DESCRIPTION	MAX. M.B. M.C.	MAXIMUM MACHINE BOLT MEDICINE CABINET
ABV. ACOUS.		MECH. MEMB. MET.	MECHANICAL MEMBRANE METAL
ACS.	ACCESS COMPLIANCE SECTION	MFR. MH.	MANUFACTURER MANHOLE
A.D. ADJ. A.F.F.	AREA DRAIN ADJUSTABLE ABOVE FINISHED FLOOR	MIN. MIR. MISC.	MINIMUM MIRROR MISCELLANEOUS
AGGR. AL. ALT.	AGGREGATE ALUMINUM ALTERNATE	M.O. MTD. MUL.	MASONRY OPENING MOUNTED MULLION
APPL. APPROX.	APPLICATION APPROXIMATE	N.	NORTH
ARCH. ASB. ASPH.	ARCHITECTURAL (OR ARCHITECT) ASBESTOS ASPHALT	NE. N.I.C. NO.	NORTHEAST NOT IN CONTRACT NUMBER
A/C BD.	ASPHALTIC CONCRETE BOARD	NOM. N.T.S. NW.	NOMINAL NOT TO SCALE NORTHWEST
BITUM. BLDG.	BITUMINOUS BUILDING	0.A.	OVERALL
BLK. BLKG. BM.	BLOCK BLOCKING BEAM	0B5. 0.C. 0.D.	OBSCURE ON CENTER OUTSIDE DIAMETER
BOT. B.U.R.	BOTTOM BUILT UP ROOF SYSTEM	OFF. O.H. OPNG.	OFFICE OPPOSITE HAND OPENING
CR.	CLASSROOM	OPP. OP OH	OPPOSITE OVERHANG
CAB. C.B. CEM.	CABINET CATCH BASIN CEMENT	P.H. P.H.	PANIC HARDWARE PAN HEAD (SCREW)
CEM.PLAS. C.G. C.I.	CEMENT PLASTER CORNER GUARD CAST IRON	PL. P.LAM. PLMG.	PLATE PLASTIC LAMINATE PLUMBING
C.J. CLG.	CONTROL JOINT CEILING	PLAS. PLYWD.	PLASTER PLYWOOD
CLO. C.M.U. CNTR.	CLOSET CONCRETE MASONRY UNIT COUNTER	PR. PRCST. PT.	PAIR PRE-CAST POINT
C.O. COL. CONC.	CASED OPENING COLUMN CONCRETE	P.T. P.T.D. PTN.	PRESSURE TREATED PAPER TOWEL DISPENSER PARTITION
CONCBLK. CONN, CONSTR.	CONCRETE BLOCK CONNECTION CONSTRUCTION	P.T. R.	PAPER TOWEL RECEPTACLE
CONT. CORR.	CONTINUOUS CORRIDOR	Q.T.	QUARRY TILE
C.S. C.T. CTR.	CONTROL SCREED CERAMIC TILE CENTER	R. R.A. RAD.	RISER RETURN AIR RADIUS
CTSK. DSA	COUNTERSUNK DIVISION OF THE STATE	R.D. REF. REFR.	ROOF DRAIN REFERENCE REFRIGERATOR
DBL.	ARCHITECT DOUBLE	REINF. REQ.	REINFORCED (OR REINFORCING) REQUIRED
DEPT. DET. D.F.	DEPARTMENT DETAIL DRINKING FOUNTAIN	RESIL. RGTR. R.H.	RESILIENT REGISTER ROUND HEAD (SCREW)
DIA. DISP. DN.	DIAMETER DISPENSER DOWN	RM. R.O. R.T.B.	ROOM ROUGH OPENING RESILIENT TOPSET BASE
D.O. DR.	DOOR OPENING DOOR	REDWD. REDWD. R.W.L.	REDWOOD RAIN WATER LEADER
DWR. D.S. D.S.P.	DRAWER DOWNSPOUT DRY STANDPIPE	5. 5.A.	SOUTH SUPPLY AIR
DWG. E.	DRAWING	S.C. S.C.D. SCHED.	SOLID CORE SEAT COVER DISPENSER SCHEDULE
EA. EF. EJ.	EACH EXHAUST FAN	S.D. SE. SECT.	SOAP DISPENSER SOUTHEAST
ELEV. ELEC.	EXPANSION JOINT ELEVATION ELECTRICAL	S.F. SFM	SECTION SQUARE FEET (OR FOOT) STATE FIRE MARSHALL
EMER. ENCL. ENGR.	EMERGENCY ENCLOSURE ENGINEER	SH. SHR. SHT.	SHELF SHOWER SHEET
E.P. EQ. EQPT.	ELECTRICAL PANELBOARD EQUAL EQUIPMENT	SHTG. SIM. S.M.	SHEATHING SIMILAR SHEET METAL
E.S. EXPO.	EXPANSION SCREED EXPOSED	S.M.S. S.N.D.	SHEET METAL SCREW SANITARY NAPKIN DISPENSER
EXP. EXIST. EXT.	EXPANSION EXISTING EXTERIOR	SQ.	SANITARY NAPKIN RECEPTACLE SPECIFICATIONS SQUARE
F.A. F.B.	FIRE ALARM FLAT BAR	S.A.B. ST.STL. S.S.	STATE ALLOCATION BOARD STAINLESS STEEL SERVICE SINK
F.D. F.F.	FLOOR DRAIN FINISH FLOOR	S.T. STA.	SELF TAPPING (SCREW) STATION
F.G. F.D.C. FDN.	FINISH GRADE FIRE DEPARTMENT CONNECTION FOUNDATION	STD. STL. STOR.	STANDARD STEEL STORAGE
F.E. F.E.C. F.H.	FIRE EXTINGUISHER FIRE EXTINGUISHER CAB. FLAT HEAD (SCREW) FIRE HOGE CABINET	STRL. SUSP. SW	STRUCTURAL SUSPENDED SOUTHWEST
F.H.C. FIN. FL.	FIRE HOSE CABINET FINISH FLOOR	SYM. SYS. S.V.	SYMMETRICAL SYSTEM SHEET VINYL (FLOORING)
FLASH. FLUOR.	FLASHING FLUORESCENT	т.В.	TOWEL BAR
F.O. F.O.C. F.O.F.	FACE OF FACE OF CONCRETE FACE OF FINISH	T.O. T.O.C. TEL.	TOP OF TOP OF CONCRETE (OR CURB) TELEPHONE
F.O.M. F.O.S. F.R.	FACE OF MASONRY FACE OF STUDS FIRE RESISTIVE	TER. T&G THK.	TERRAZZO TONGUE AND GROOVE THICK
F.R. FRPF. F.R.P.	FIREPROOF FIBERGLASS REINFORCED	THRU T.O.P.	THROUGH TOP OF PAVEMENT
F.S. FT.	PANELING FULL SIZE FOOT OR FEET	T.P.D. TRD. T.S.	TOILET PAPER DISPENSER TREAD TUBE STEEL
FTG. FURR. FUT.	FOOTING FURRING FUTURE	T.V. TYP.	TELEVISION TYPICAL
GA. GALV.	GAGE GALVANIZED	UON V.S.	UNLESS OTHERWISE NOTED
G.B. G.I.	GRAB BAR GALV. IRON	VCT VERT.	VINYL COMPOSITION TILE VERTICAL
GL. GND. GR.	GLASS GROUND GRADE	VEST. VCTB	VESTIBULE VINYL COVERED TACKBOARD
GYP. GYP.BD.	GYPSUM GYPSUM BOARD	W. W/ W.C.	MEST MITH MATER CL <i>O</i> SET
н. н.в.	HIGH HOSE BIBB	ND. NDN.	WOOD WINDOW
H.C. HDWD HDWR.	HOLLOW CORE HARDWOOD HARDWARE	W/O WP. WR.	WITHOUT WATERPROOF WATER RESISTANT
HGT. H.M. HORIZ.	HEIGHT HOLLOW METAL HORIZONTAL	M.S. MSCT. MT.	MOOD SCREM MAINSCOT MEIGHT
HORIZ. HR. HVAC	HOUR HEATING, √ENTILATING ≰ AIR	XFMR.	TRANSFORMER
HDR.	CONDITIONING HEADER	XS. XSITION	CROSS SECTION TRANSITION
I.D. INSUL.	INSIDE DIAMETER (DIM.) INSULATION INTERIOR		
INT.	INTERIOR		

NOT INTENDED TO	DE EXHAUSTIVE; OTHER DISCIPLINES	CONTAIN GRAPHICS AND
<u>SYMB.</u>	DESCRIPTION	LINETYPE
\bigcirc	NORTH DIRECTION	
	KEYNOTE CALLOUT	
	WINDOW CALLOUT	/
***	DOOR CALLOUT	SECTION C
	REVISION CALLOUT	
	ROOM NUMBER CALLOUT	
##	GRID TAG	
-	DETAIL CALLOUT	
	DETAIL NUMBER	
AB	DRAWING NUMBER	
	ELEVATION CALLOUT	
	ELEVATION NUMBER	
All	DRAWING NUMBER	

DESIGN TEAM

ARCHITECT OF RECORD

DOUGLAS K. JANZEN DKJ ARCHITECTS INC. 1736 S. CENTRAL STREET, SUITE A VISALIA, CALIFORNIA 93277 TEL: (559) 738-0309 FAX: (559) 738-9779

ELECTRICAL ENGINEER

JOHN MALONEY JMPE ELECTRICAL ENGINEERING 5500 MING AVENUE, SUITE 251 BAKERSFIELD, CALIFORNIA 93309 TEL : (661) 831-7813

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. _____03-124406 FILE NO.

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATION

HAVE/HAS 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

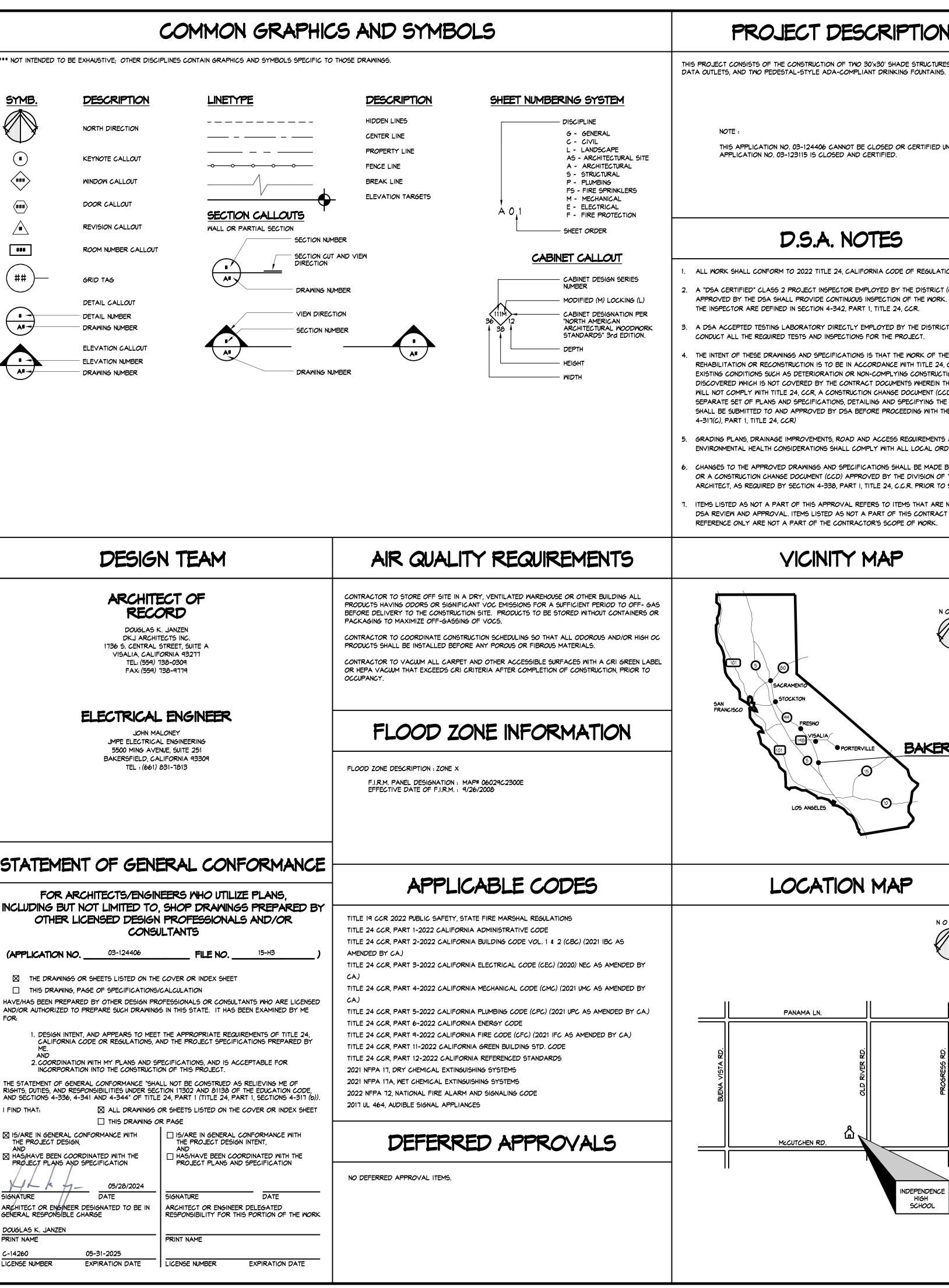
- 1. DESIGN INTENT, AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OR REGULATIONS, AND THE PROJECT SPECIFICATIONS PREPARED BY
- 2. COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTION 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, SECTIONS 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, IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND HAS HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATION HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATION

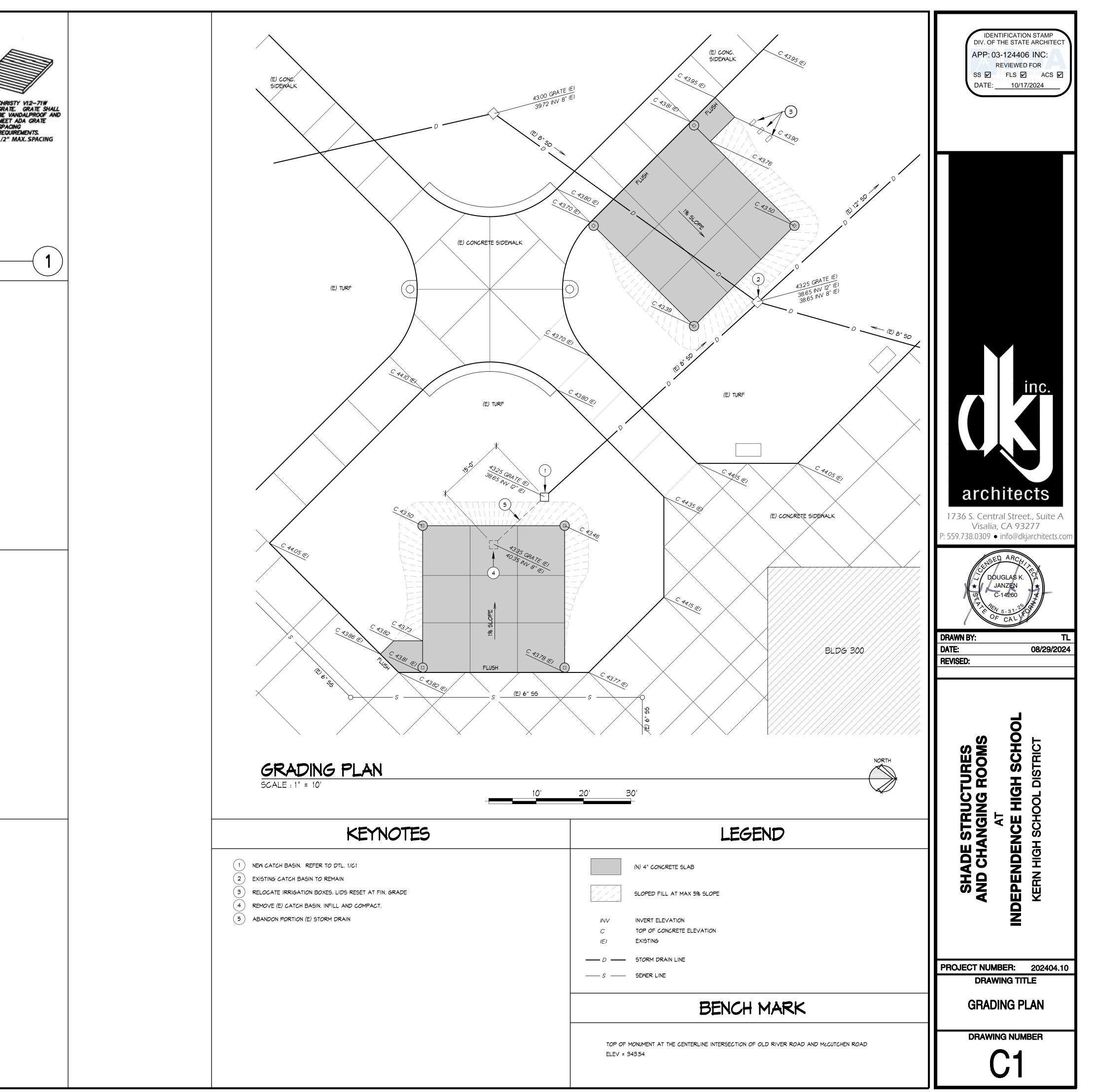
VIL k - 05/28/2024	
SIGNATURE DATE	SIGNATURE
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE	ARCHITECT OR ENGINEER I RESPONSIBILITY FOR THIS
DOUGLAS K. JANZEN	
PRINT NAME	PRINT NAME

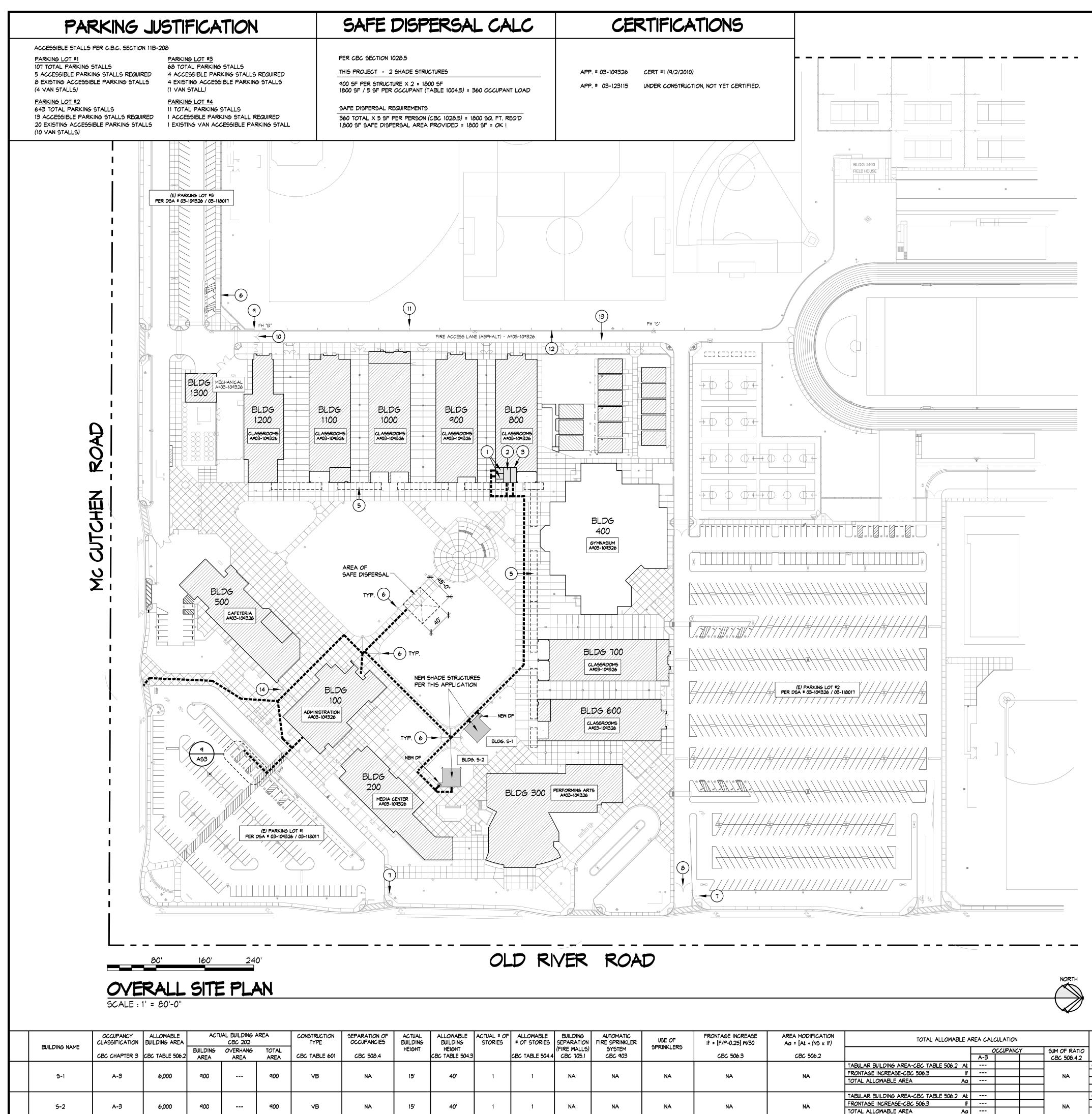
C-14260 05-31-2025 LICENSE NUMBER EXPIRATION DATE LICENSE NUMBER



1	DRANING INDEX TOTAL SHEET COUNT = 15 SHEETS	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
ES W/ POWER AND	GENERAL 60 COVER SHEET 61 GENERAL NOTES	APP: 03-124406 INC: REVIEWED FOR SS I FLS ACS I DATE: 10/17/2024
JNTIL	CIVIL C1 GRADING PLAN ARCHITECTURAL SITE	
	AS1 OVERALL SITE PLAN AND CODE ANALYSIS AS2 ENLARGED SITE DEMO PLAN AND ENLARGED SITE PLAN AS3 SITE DETAILS	
	ARCHITECTURAL A1 EXISTING RESTROOMS ELECTRICAL	
IONS (CCR). (OWNER) AND THE DUTIES OF	ES-0 NOTES, SYMBOLS & DETAILS ES-1 PARTIAL SITE PLAN ES-2 PARTIAL SITE PLAN	
T (OWNER) SHALL E ALTERATION, CCR. SHOULD ANY	SHADE STRUCTURE DRAMINGS PC# 04-121917 T-1.0 TITLE SHEET T-2.0 UNIT SELECTION	
TION BE THE FINISHED WORK CD), OR A E REQUIRED WORK HE WORK. (SECTION	T-3.0 T&I FORMS 17.1-1000 PRODUCT INFORMATION 17.2-2000 SPECIFICATIONS	
AND DINANCES. BY AN ADDENDUM THE STATE START OF WORK.		inc.
NOT SUBJECT TO T OR FOR		
ORTH		architects 1736 S. Central Street., Suite A Visalia, CA 93277 P: 559.738.0309 • info@dkjarchitects.com
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<u>RSFIELD</u>		DRAWN BY: TL DATE: 08/29/2024 REVISED:
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		SCHO SCHO
DRTH		SHADE STRUCTURES AND CHANGING ROOMS AT AT KERN HIGH SCHOOL DISTRICT
		ADE ST CHAN(CHAN(NDENC
		AND AND KERN KERN
		PROJECT NUMBER: 202404.10 DRAWING TITLE G1 GENERAL NOTES
		DRAWING NUMBER

GROUT AROUND PIPE AND USE RUBBER WATERSTOP
CATCH BASIN SCALE : N.T.S.



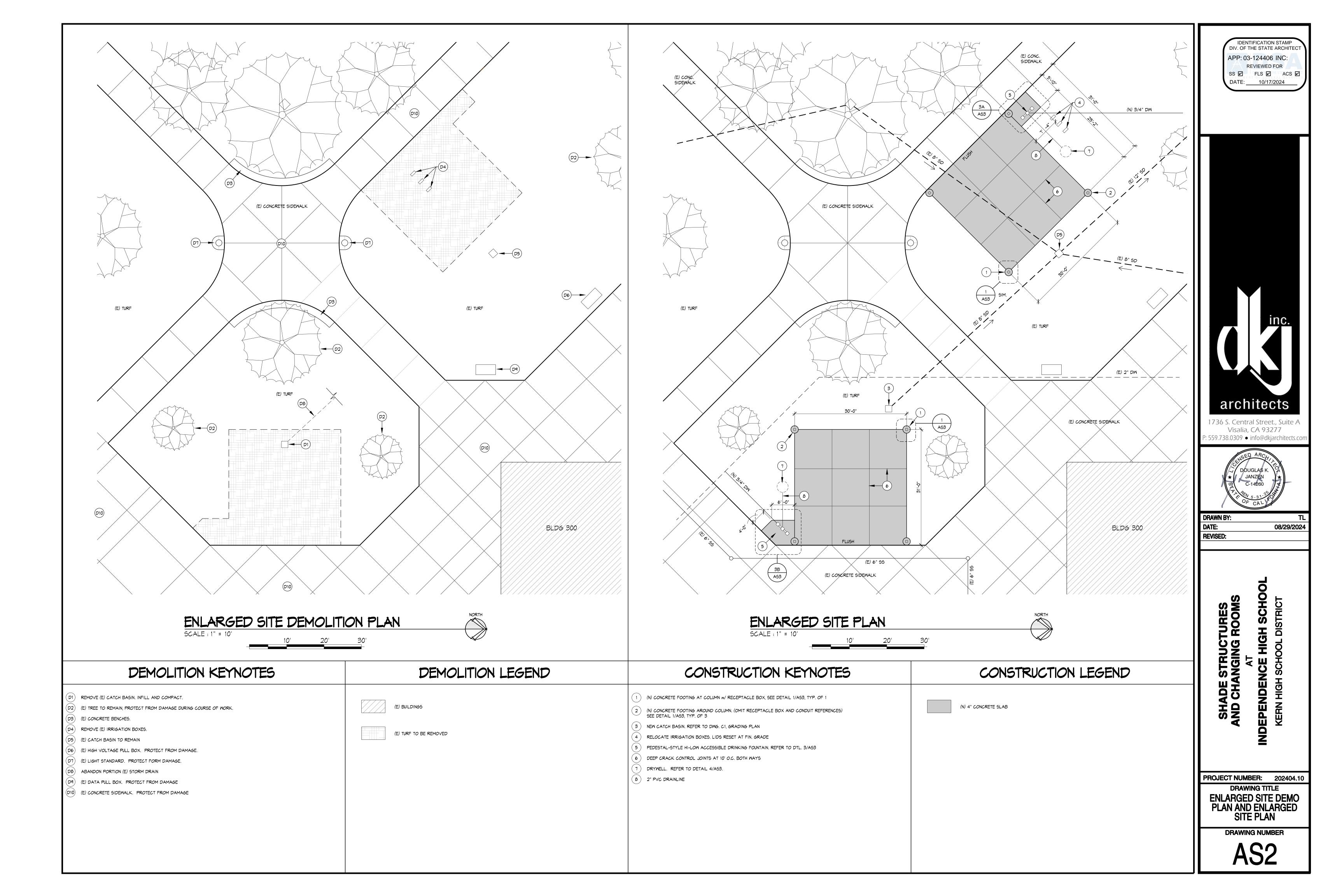


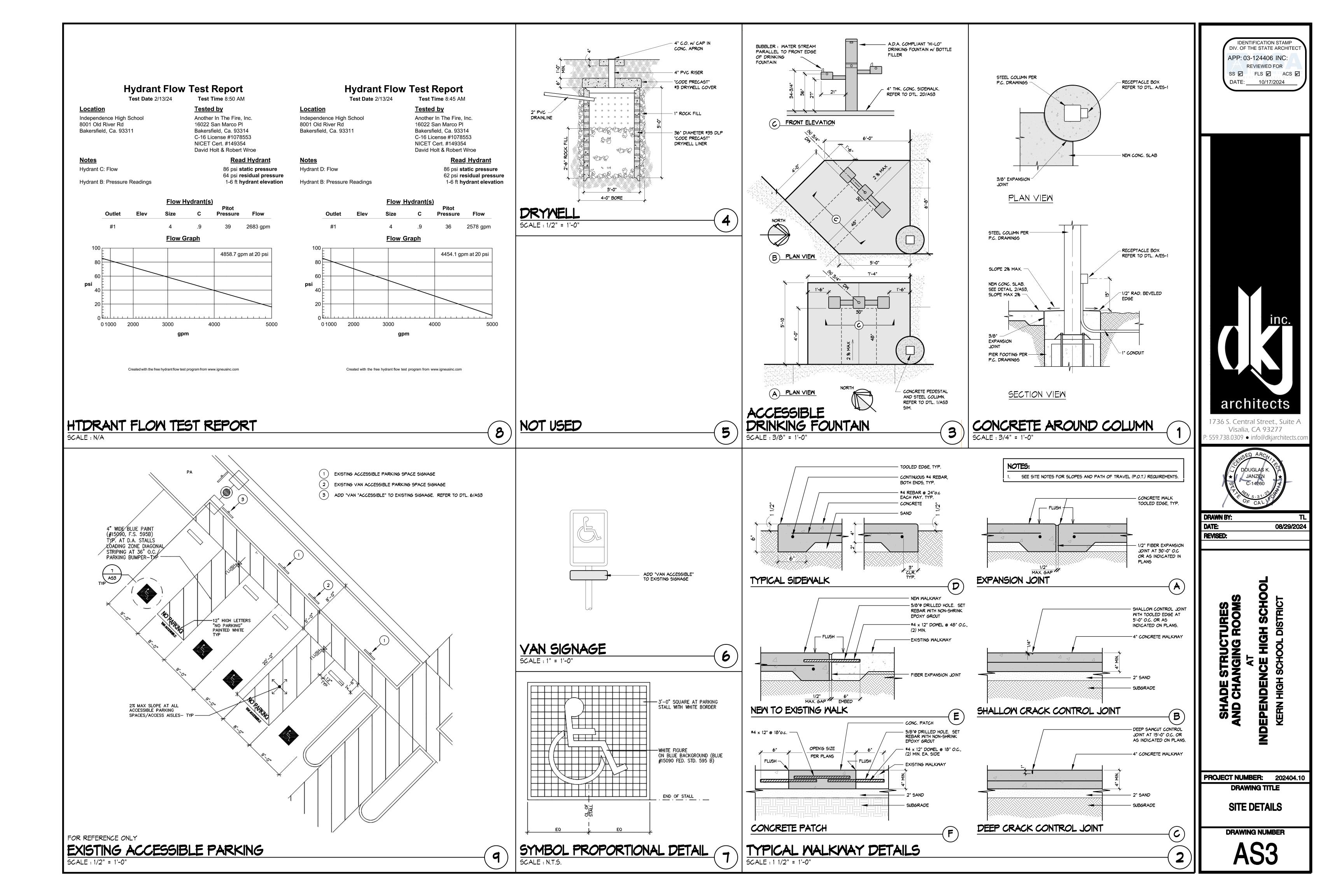
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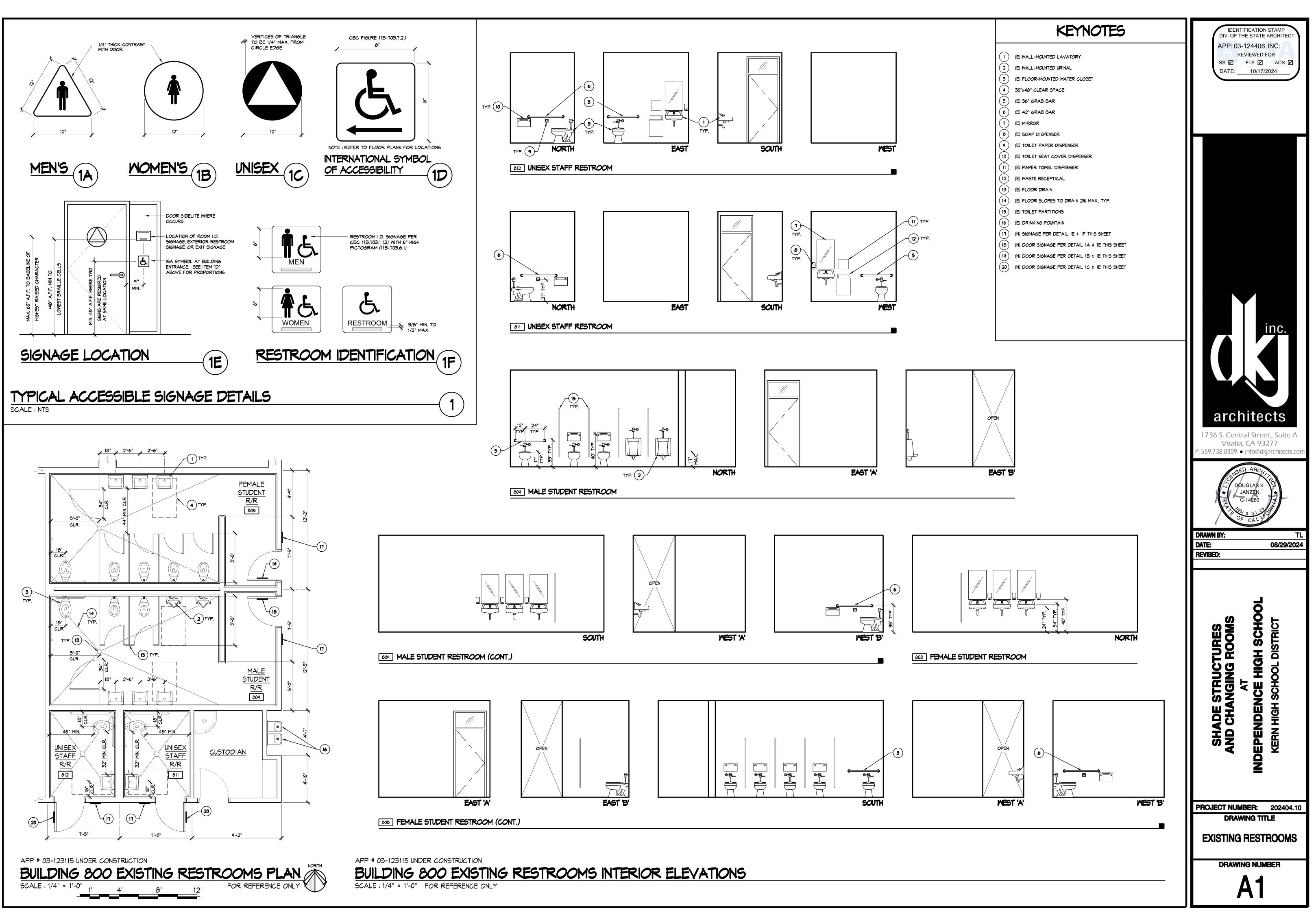
OWABLE STORIES	BUILDING SEPARATION	AUTOMATIC FIRE SPRINKLER		FRONTAGE INCREASE IF = [F/P-0.25] W/30	AREA MODIFICATION Aa = [At + (N5 x IF)	TOTAL ALLOWABLE A	REA CALO	CULATION		MINIMUM REC FIRE FLO
ABLE 504.4	(FIRE WALLS) CBC 705.1	SYSTEM CBC 903	SPRINKLERS	CBC 506.3	CBC 506.2		A-3	CCUPANCY	SUM OF RATIO	CFC TABLE
		020 .00				TABULAR BUILDING AREA-CBC TABLE 506.2 At			CBC 508.4.2	CONST. TYPE:
1	NA	NA	NA	NA	NA	FRONTAGE INCREASE-CBC 506.3 IF				TOTAL AREA:
•	10.1	14.4	147			TOTAL ALLOWABLE AREA Aa				FLOW:
										DURATION:
						TABULAR BUILDING AREA-CBC TABLE 506.2 At				CONST. TYPE:
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1					18	TOTAL ALLOWABLE AREA Aa				FLOW:
										DURATION:

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 VB
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 2 HR5

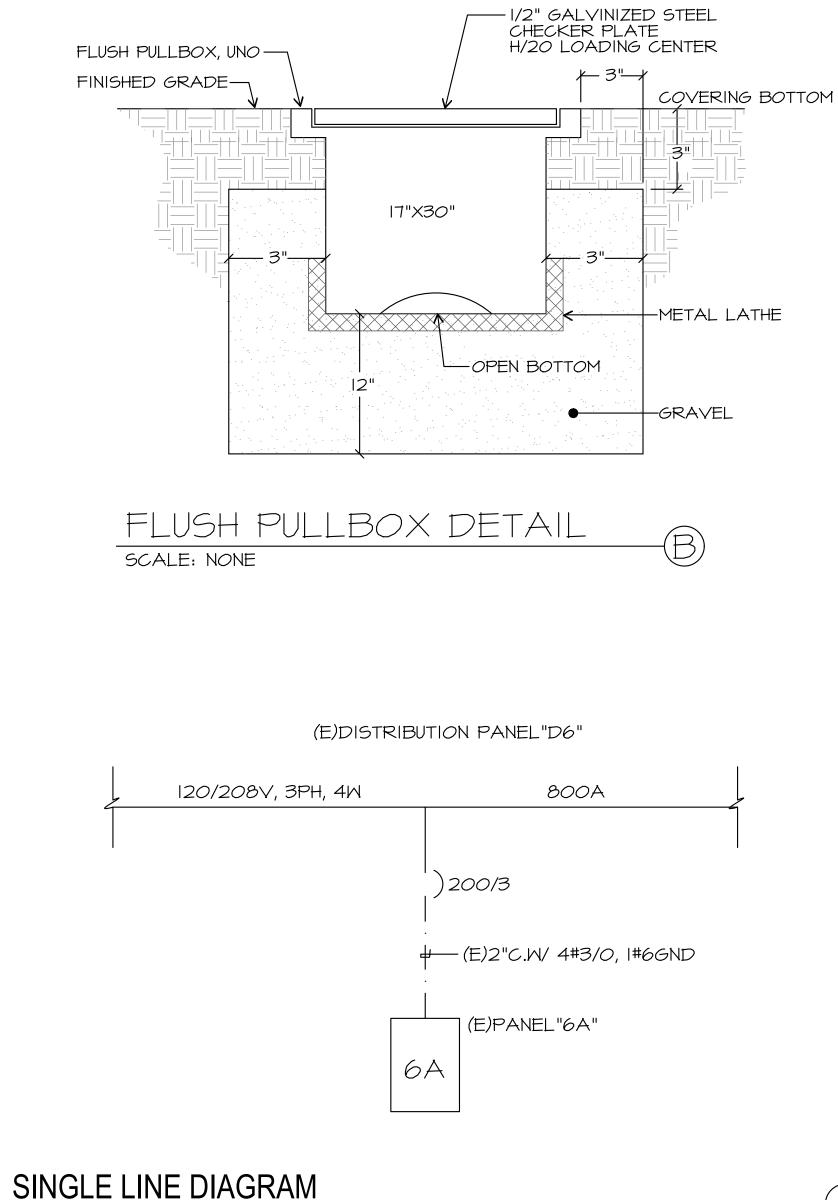








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	APPLICABLE CODE REQUIREMENTS
	ANCE OF THE WORK OF THIS CONTRACT SHALL CONFORM TO THE MENTS OF APPLICABLE GOVERNING CODES AND ORDINANCES INCLUDING OWING:
2022	BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2022	CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R. (2020 IBC, VOLUMES 1-3 WITH CALIFORNIA AMENDMENTS)
2022	CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2020 N.E.C. WITH CALIFORNIA AMENDMENTS)
2022	CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R (2020 U.M.C. WITH CALIFORNIA AMENDMENTS)
2022	CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2020 U.P.C. WITH CALIFORNIA AMENDMENTS)
2022	CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2022	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2012 I.F.C. WITH CALIFORNIA AMENDMENTS)
2022	CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
NFPA 13	AUTOMATIC SPRINKLER SYSTEM2022 EDITION
NFPA 14	STANDPIPE SYSTEM2019 EDITION
NFPA 17A	WET CHEMICAL SYSTEM2021 EDITION
NFPA 24	PRIVATE SERVICE MAINS2022 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE2022 EDITION (NOTE SEE UL STANDARDS 1971 FOR ("VISUAL DEVICES")



SCALE: NONE

(A)

APPLICABLE CODE: 2022 CBC

MEP COMPONENT ANCHORAGE NOTE

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

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

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

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING

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

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

ELECTRICAL DISTRIBUTION SYSTEMS (E):

DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

GENERAL NOTES

- 1. VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
- 2. THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2022 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
- 3. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
- 4. ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL.
- 5. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
- 6. FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
- 7. ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
- 8. CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
- 9. GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
- 10. ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GREEN GROUND WIRE.
- 11. THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 12. ALL CONDUCTORS SHALL BE IN CONDUIT.
- 13. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.

ACCESSIBILITY NOTES

Installation of switches, outlets and controls to reflect the accessibility requirements of the 2022 CBC Chapters 11A and 11B for Accessibility.

. CBC 11B-308.1.1 Electrical controls and switches intended to be used by the occupant of a room or area shall be located within the allowable reach ranges. Low reach shall be measured from the bottom of the outlet box and high reach is measured to the top of the outlet box.

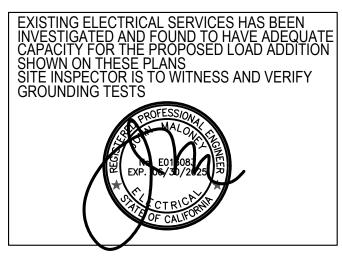
2. CBC 11B-308.1.2 Electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles shall be located in the allowable reach range. Low reach shall be measured from the bottom of the outlet box and high reach is measured to the top of the outlet box.

3. CBC 11B-308.2.1 High forward reach that is unobstructed shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above finish floor or ground.

4. CBC 11B-308.2 Forward Reach Obstructed - Electrical receptacle outlets shall be located no more than 44 inches measured from the top of the receptacle outlet box when the obstruction is over 20" and does not exceed 25". When the depth is less than 20" height can be increased to 48". (desk counters)

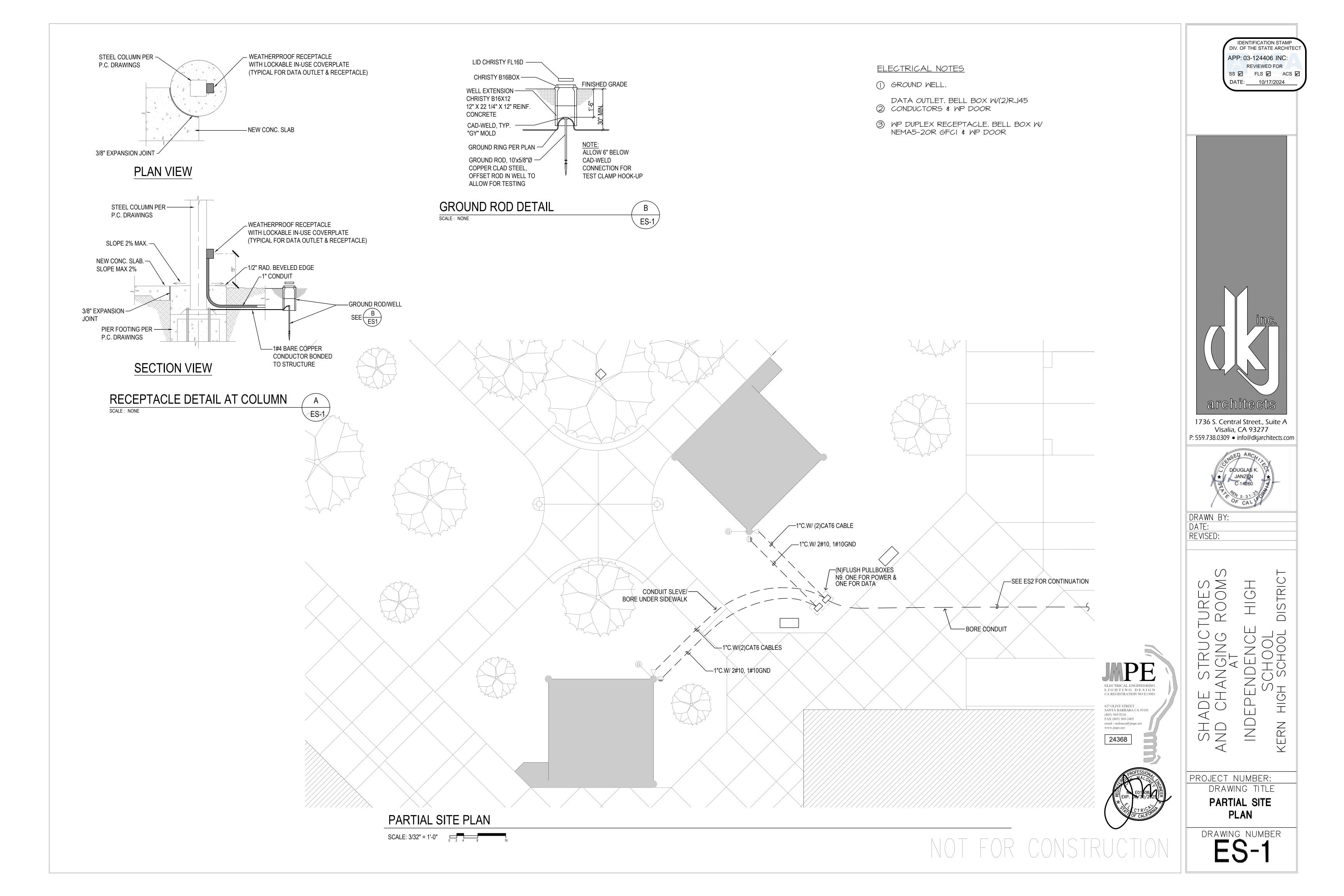
5. CBC 11B-308.3 Side Reach Obstructed - Electrical receptacle outlets shall be located no more than 46 inches measured from the top of the receptacle outlet box when the obstruction is over 10" and does not exceed 24". When the depth is less than 10" height can be increased to 48".

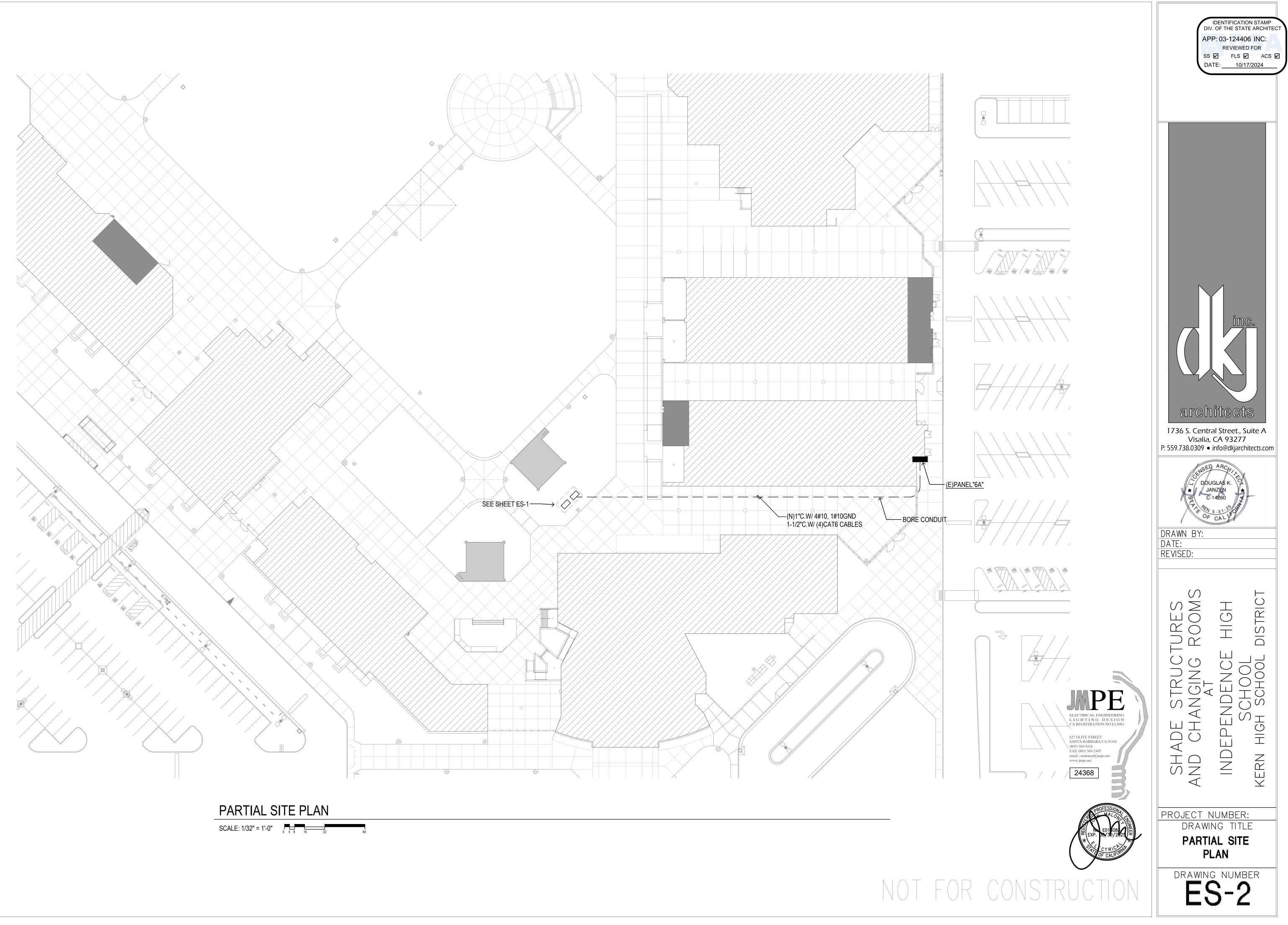
6. Overhang light fixtures or wall fixtures projecting more than 4" from the wall surface shall be a minimum of 80" above the walking surface.



SYMBOLS

	STINDULS	
$ \begin{bmatrix} A - 3 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	CONDUIT EXISTING CONDUIT CONCEALED IN WALL OR CEILING CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE CONDUIT STUBBED OUT AND CAPPED CONDUIT TURNED UP CONDUIT TURNED DOWN HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT TURNED DOWN HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT (3) MAX. IN 1/2" C., (5) MAX. IN 3/4" C., (8) MAX. IN 1"C., NO MARKS = 2#12 HOME RUN: LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S). SAWCUT GROUND CONNECTION DISTRIBUTION SWITCHBOARD OR PANEL PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH SIGNAL TERMINAL CABINET, SURFACE & FLUSH LINEAR SURFACE FIXTURE OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT. SURFACE FIXTURE ON FLUSH OUTLET. RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT. LOW LEVEL EXIT SIGN, +6" AFF, +4" FROM DOOR JAMB LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE. MECHANICAL DRAWINGS. SPECIAL RECEPTACLE - SEE PLAN METER	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-124406 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 10/17/2024
)	FLUSH FLOOR RECEPTACLE RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" U.N.O. DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH DUPLEX RECEPTACLE W/LOWER HALF SWITCHED GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE DOUBLE DUPLEX RECEPTACLE CEILING RECEPTACLE RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" U.N.O. JUNCTION BOX 4" SQUARE, 1-1/2" DEEP U.N.O. THERMOSTAT F.B.O. +48" MOTOR, NO. INDICATES HORSEPOWER CLOCK OUTLET +7'-6" U.N.O. DISCONNECT SWITCH, NON-FUSED DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE DIMMER W/INTEGRAL "ON-OFF" SW. PUSHBUTTON PHOTOCELL SMOKE DETECTOR	Inc. Inc.
 ▷ ▷ ◇ ◇ ◇ S S² S³ S^P S^M FACP GFI LST MLO w/ C.O. W.P. F.B.O. U.N.O. N.E.C. N.I.C. (E) (N) 	TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETED OPENING +18" U.N.O. CABLE TV OUTLET +18" U.N.O. MOTION SENSOR EXISTING SWITCH SINGLE POLE SWITCH DOUBLE POLE SWITCH THREE WAY SWITCH SWITCH W/PILOT LT. MANUAL MOTOR STARTER FIRE ALARM CONTROL PANEL GROUND FAULT CIRCUIT INTERRUPTING LABOR SAVING TANDEM MAIN LUGS ONLY WITH CONDUIT ONLY WEATHERPROOF FURNISHED BY OTHERS, INSTALL & CONNE UNLESS NOTED OTHERWISE NATIONAL ELECTRICAL CODE NOT IN CONTRACT EXISTING NEW	SHADE STRUCTURES AND CHANGING ROOMS AT INDEPENDENCE HIGH SCHOOL SCHOOL KERN HIGH SCHOOL DISTRICT
(R) (RL) S/M U/G CWP AFF HACR N.L.	REMOVE RELOCATE SURFACE MOUNT UNDERGROUND COLD WATER PIPE ABOVE FINISHED FLOOR HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER NIGHT LIGHT T ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.	PROJECT NUMBER: DRAWING TITLE NOTES, SYMBOLS & DETAILS DRAWING NUMBER







FABRIC SHADE STRUCTURE DSA P.C. 04-121917

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
- SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.
- 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:

- COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC SIZE OF THE SHADE STRUCTURE(S).
- 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).
- ACTUAL DIMENSIONS OF SHADE STRUCTURES.
- DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES.
- INDICATE LOCATIONS OF FIRE EXTINGUISHERS WITHIN 75 FEET.
- SHOW LOCATION OF AUDIBLE FIRE ALARM.
- 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."
- 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
- 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:

- INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. MINIMUM DIMENSION OF 20'-0" FOR SNOW LOAD MODEL (ASCE 7-16).
- 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.

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

SEIS	SMIC			
	DESIGN BASED ON S NO GEOTECHNICAL $S_s = 1.013$	INVESTIGATION REQUIRED		
ONE	GEOTECHNICAL IN SITE CLASS:	ITE CLASS DETERMINED PER VESTIGATION PROVIDED C		
SELECT	PER CHAPTER 21 SHORT-PERIOD DES AS SPECIFIED IN CGS APPROVAL REC NOT ELIGIBLE FOR SITE CLASS: C S _{DS} = 2/3 Fa Ss = <u>0.81</u> Cs = 1.6 USED IN DE	GEOTECHNICAL RESPONSE PA GEOTECHNICAL INVESTIGAT QUIRED OTC REVIEW C □ D ≤ 2.0	ARAMETER, S _{DS} , SHALL BE ION	IS
		CODE AN	NALYSIS	
0	CCUPANCY GROUP	OCCUPANT LOAD FACTOR	TOTAL OCCUPANT LOAD	SHADE STRUCTUR AREA (ft ²)
A-3		5 sf / occupant	360	1800 sf

P.C. NOTES

SITE SPECIFIC PARAMETERS

$\mathbf{)}$	
	C.

MANUFACTURER:

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

ARCHITECT:

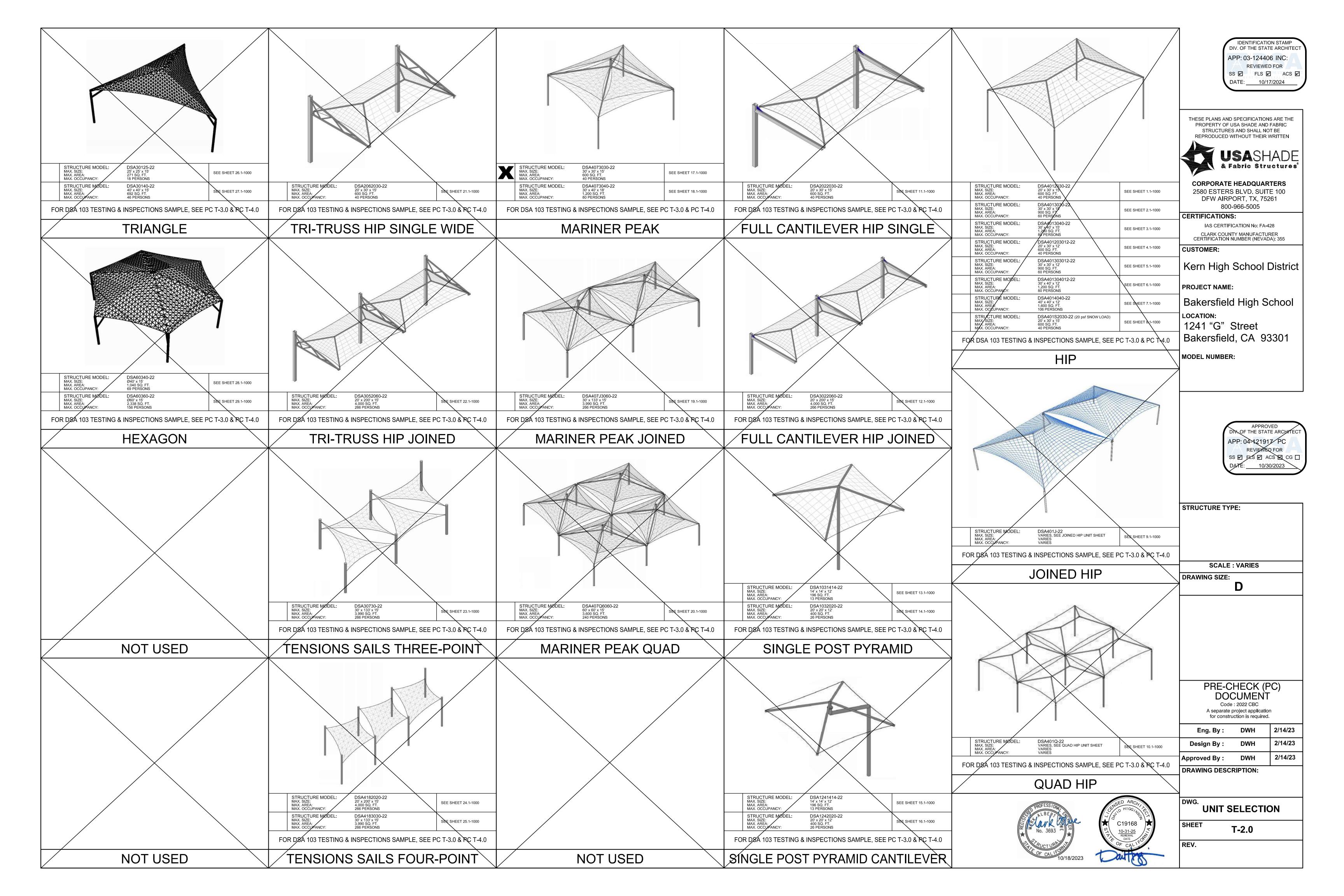
HIGGINSON ARCHITECTS, INC. DAVID HIGGINSON, AIA, PRINCIPAL ARCHITECT 34247 YUCAIPA BOULEVARD, SUITE D YUCAIPA, CALIFORNIA 92399 PH. 909-499-0058 E. dhigginson@higginsonarchitects.com W. www.higginsonarchitects.com

STRUCTURAL ENGINEER: MARK LOWE, S.E. c/o USA SHADE AND FABRIC STRUCTURES 🗙 C19168



						1
	SHEET NO. T-1.0	SHEET DESCRIPTION	UNIT STRUCTURE TYPE	MAX. UNIT SIZE	UNIT MODEL NUMBER	IDENTIFICATION STAMP DIV. OF THE STATE ARCHIT
	T-1.0	UNIT SELECTION				APP: 03-124406 INC:
X	T-3.0	T&I FORMS				REVIEWED FOR
	1.1-1000	PRODUCT INFORMATION	HIP	20' x 30' x 15'	DSA4012030-22	DATE: <u>10/17/2024</u>
	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	THESE PLANS AND SPECIFICATIONS ARE THE
	3.1-1000	PRODUCT INFORMATION	HIP	30' x 40' x 15'	DSA4013040-22	 STRUCTURES AND SHALL NOT BE
	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	CORPORATE HEADQUARTERS
	6.1-1000	PRODUCT INFORMATION	HIP HIP	30' x 30' x 12'	DSA401303012-22	
	6.2-2000	REACTIONS PRODUCT INFORMATION	HIP	30' x 30' x 12' 30' x 40' x 12'	DSA401303012-22 DSA401304012-22	900 066 5005
	7.2-2000	REACTIONS	HIP	30' x 40' x 12'	DSA401304012-22 DSA401304012-22	CERTIFICATIONS
	8.1-1000	PRODUCT INFORMATION	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401304012-22	IAS CERTIFICATION No: FA-428
	8.2-2000	REACTIONS	HIP (20 psf SNOW LOAD)	20' x 30' x 15'	DSA401S2030-22	
	9.1-1000	PRODUCT INFORMATION	JOINED HIPS	VARIES		CUSTOMER:
	9.2-1001	DETAILS	JOINED HIPS	VARIES	DSA401J-22	
	9.3-2000	REACTIONS	JOINED HIPS	VARIES	DSA401J-22	H Kern Hian School Distri
	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		Bakersfield High Schoo
	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'		1241 "G" Street
	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	MODEL NUMBER:
	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	DIV: OF THE STATE ARCHIT
	17.1-1000	PRODUCT INFORMATION		30' x 30' x 15'	DSA4073030-22	
	17.2-2000	REACTIONS		30' x 30' x 15'	DSA4073030-22	
	18.1-1000	PRODUCT INFORMATION		30' x 40' x 18'	DSA4073040-22	DATE:10/30/2023
	18.2-2000	REACTIONS		30' x 40' x 18'	DSA4073040-22	_
	19.1-1000	PRODUCT INFORMATION		30' x 133' x 15'	DSA407J3060-22	-
	19.2-2000	REACTIONS PRODUCT INFORMATION		30' x 133' x 15'	DSA407J3060-22	-
	20.1-1000	REACTIONS	MARINER PEAK QUAD MARINER PEAK QUAD	60' x 60' x 15' 60' x 60' x 15'	DSA407Q6060-22 DSA407Q6060-22	- STRUCTURE TYPE:
	21.1-1000	PRODUCT INFORMATION	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA407Q0000-22 DSA2062030-22	-
	21.2-2000	REACTIONS	TRI TRUSS HIP SINGLE WIDE	20' x 30' x 15'	DSA2062030-22	-
	21.2-2000	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'		DRAWING SIZE:
	24.1-1000	PRODUCT INFORMATION	TENSIONS SAILS FOUR POINT	20' x 200' x 15'	DSA30730-22 DSA4182020-22	
+	24.1-1000	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'	DSA4182020-22 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	PRE-CHECK (PC)
	29.2-2000	REACTIONS	HEXAGON	Ø60' X 15'	DSA60360-22	Code : 2022 CBC
						A separate project application for construction is required.
						· · · · · · · · · · · · · · · · · · ·
						Eng. By : DWH 2/14/2
						Design By : DWH 2/14/2
						Approved By : DWH 2/14/2
						DRAWING DESCRIPTION:
						DWG.
						SHEET
						T-1.0
_			TOTAL SHEET COUNT: 63 SHEETS			REV.
			SHEET INDEX]
			SHLET INDEA			<u> </u>

ARCHITECT / ENGINEER



 DSA 103-22: LISTING OF STRUCTURAL TEST Application Number: School Name:	S & SPECIA	L INSPECTIO	VS, 2022 CBC School District:		A 103-22: LISTING e 1705A.6, Table 1705A.3	GOF STRUCTURAL TEST 7. Table 1705A.8	S & SPECIAL	INSPECTIO	NS (SOILS), 2022 CBC
04-121917 PC FABRIC SHADE STRUC DSA File Number: Increment Number:	TURES		USA SHADE AND FABRIC STRUCTURES Date Created:	Appl	lication Number: 21917	School Name: PC FABRIC SHADE STRUCT	TURES		School District: USA SHADE AND FABRIC STRUCTURES
$\overline{}$			2023-02-15 15:23:09		File Number:	Increment Number:	IONEO		Date Created: 2023-02-15 15:23:09
INTRODUCINIT: This form is only a summary li		022 CBC	of the special increasions required for the project	Geo	stechnical Reports:	Project does NOT have and	d does NOT re	quire a geoteo	chnical report
Generally, the structural tests and special inspect	ions noted on	this form are th	of the special inspections required for the project. ose that will be performed by the Geotechnical Engineer		S1. GENERAL:			1	1
			and inspection program must be performed as detailed ntifies work NOT subject to DSA requirements for special		Test or Special Inspect a. Verify that:	tion	Type See Notes	Performed By Pl	Code References and Notes Refer to specific items identified in the Appendix listing exe
			ng inspection of all facets of construction, including but framing, high-load wood diaphragms, cold-formed steel		Site has been prepared	d properly prior to placement of cavations for foundations.			for limitations. Placement of controlled fill exceeding 12" d foundations is not permitted without a geotechnical repor
			tle 24, Part 2, Chapter 17A (2022 CBC).			ns are extended to proper			
**NOTE: Undefined section and table ref	erences found	d in this docume	nt are from the CBC, or California Building Code.		Materials below footin design bearing capacity	ngs are adequate to achieve the y.			
KEY TO COLUMNS	<u> </u>								
1. TYPE	$\overline{\ }$		PERFORMED BY echnical Engineer) – Indicates that the special inspection shall be		S2. SOIL COMPACTION Test or Special Inspect		Туре	Performed By	Code References and Notes
Continuous – Indicates that a continuous special inspection is			d by a registered geotechnical engineer or his or her authorized		a. Verify use of proper n	materials, densities and inspect lift		LOR*	* Under the supervision of a geotechnical engineer or LOR'
required			oratory of Record) – Indicates that the test or special inspection shall		thicknesses, placement placement of fill.	t and compaction during			engineering manager. Refer to specific items identified in t Appendix listing exemptions for limitations.
		beperfo	med by a testing laboratory accepted in the DSA Laboratory Evaluation otance (LEA) Program. See CAC Section 4-335.	ו 🗹	b. Compaction testing.		Test	LOR*	* Under the supervision of a geotechnical engineer or LOR' engineering manager. Refer to specific items identified in t
Periodic – Indicates that a periodic special inspection is require	ed		t inspector) - Indicates that the special inspection may be performed						Appendix listing exemptions for limitations.
		by a pro inspecto	ect when specifically approved by DSA.		S3. DRIVEN DEEP FOU	NDATIONS (PILES):			
Test – Indicates that a test is required		SI (Spec	al Inspection) – Indicates that the special inspection shall be performed	d	Test or Special Inspect	tion	Туре	Performed By	Code References and Notes
		by an ap	ropriately qualified/approved special inspector.		a. Verify pile materials, s the requirements.	sizes and lengths comply with	Continuous	GE*	* By geotechnical engineer or his or her qualified represent
					b. Determine capacities additional load tests as	s of test piles and conduct	Test	LOR*	* Under the supervision of the geotechnical engineer.
DIVISION OF THE STATE ARCHITECT		T OF GENERAL SERV Page 1 of 17	es State of Californ		ION OF THE STATE ARCHITEC DSA 103-22 (Revised 12/01/20			OF GENERAL SERVI Page 2 of 17	CES STATE C
DGS DSA 103-22 (Revised 12/01/2022)		Page FOFT/		D031	103-22 (Neviseu 12/01/20)22]		4902017	
DSA 103-22: LISTING OF STRUCTURAL TEST	S & SPECIA	L INSPECTIO	NS (CONCRETE), 2022 CBC	_ DSA	A 103-22: LISTING	OF STRUCTURAL TEST	S & SPECIAL	INSPECTIO	NS (CONCRETE), 2022 CBC
Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13 Application Number: School Name:			School District:		e 1705A.3; ACI 318-19 Se lication Number:	ections 26.12 & 26.13 School Name:			School District:
04-121917 PC FABRIC SHADE STRUCT DSA File Number: Increment Number:	TURES		USA SHADE AND FABRIC STRUCTURES Date Created:		21917 File Number:	PC FABRIC SHADE STRUCT Increment Number:	TURES		USA SHADE AND FABRIC STRUCTURES Date Created:
			2023-02-15 15:23:09					1	2023-02-15 15:23:09
C1. CAST-IN-PLACE CONCRETE	Typo	Borformod By	Code References and Notes		Test or Special Inspect	tion e strength prior to stressing	Type Periodic	Performed By SI	Code References and Notes Table 1705A.3 Item 13. Special inspector to verify specific
Test or Special Inspection Image:	Type Periodic	Performed By SI	Table 1705A.3 Item 5, 1910A.1.		of post-tensioning tend	lons.	Periodic	51	strength test prior to stressing.
					d. Inspect application o	ot ost-tensioning or	Continuous	SI	1705A.3.4, Table 1705A.3 Item 9; ACI 318-14 Section 26.1
D. 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.)		a. Inspect application of prestressing forces and prestressing tendons.	grouting of bonded	sontinuous	31	20. 10 10 10 10 10 10 10 10 10 10 10 10 10
C. During concrete placement, fabricate specimens for strength tests, perform slump and air content	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.		prestressing tendoris.				
tests, and determine the temperature of the concrete.					C3. PRECAST CONCRE	TE (IN ADDITION TO SECTION C1	1):		
Image: Concrete concrete (f'c).	Test	LOR	1905A.1.17 ; ACI 318-19 Section 26.12.		Test or Special Inspect		Туре	Performed By	Code References and Notes
e. Batch plant inspection: Eliminated	See Notes	SI	Default of 'Continuous' per 1705A.3.3 . If approved by DSA, batch			f precast concrete members.	Continuous	SI	ACI 318-19 Section 26.13.
			plant inspection may be reduced to 'Periodic' subject to requirement in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13.		b . Inspect erection of pr	recast concrete members.	Periodic	SI*	Table 1705A.3 Item 10. * May be performed by PI when spapproved by DSA.
			(See Appendix (end of this form) for exemptions.)		c. For precast concrete	diaphragm connections or classified as moderate or high	Continuous	sı	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
Image: f. Welding of reinforcing steel.	Provide spe	cial inspection pe	sTEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		deformability elements	s (MDE or HDE) in structures sign Category D, E or F, inspect			
						reinforcement in the field for:			
C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN A	ADDITION TO SE	CTION C1):		¬	1. Installation of the en				
Test or Special Inspection	Туре	Performed By	Code References and Notes	-	across joints. 3. Completion of conr	continuity of reinforcement			
 a. Sample and test prestressing tendons and anchorages. 	Test	LOR	1705A.3.4, 1910A.3		3. completion of com	lections in the field.			
b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Items 1 & 9.			olerances of precast concrete s for compliance with ACI 550.5.	Periodic	SI	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
DSA 103-22: LISTING OF STRUCTURAL TEST1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16Application Number:School Name:04-121917PC FABRIC SHADE STRUCTDSA File Number:Increment Number:	, AISC 360-16; AIS			1705/ Appl 04-12			, AISC 360-16; AISI		NS (STEEL AND ALUMNINUM), 2022 CBC 14; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8 School District: USA SHADE AND FABRIC STRUCTURES Date Created: 2023-02-15 15:23:09
					Test or Special Inspect	tion	Туре	Performed By	Code References and Notes
S/A3. WELDING: Test or Special Inspection	Turne	Dorformed Du	Code References and Notes		_	(IN ADDITION TO SECTION S/A3	·	1	
a. Verify weld filler material identification markings per	Type Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 fo	pr 🗌	Test or Special Inspect	tion s, multi-pass fillet welds, single pas	Type ss Continuous	Performed By	Code References and Notes Table 1705A.2.1 Items 5a,7 4; AISC 360-16 (AISC 341-16
AWS designation listed on the DSA-approved documents and the WPS.	s		structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.		fillet welds > 5/16", plug	g and slot welds.		51	applicable); DSA IR 17-3
b. Verify weld filler material manufacturer's certificate of	Periodic	SI	DSA IR 17-3.		b. Inspect single-pass fi	llet welds $\leq 5/16''$.	Periodic	SI	Table 1705A.2.1 frem 5a.5; AISC 360-16 (AISC 341-16 as a DSA IR 17-3.
compliance. C. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.		c. Inspect end-welded s (including bend test).	studs (ASTM A-108) installation	Periodic	SI	22130-2; AISC 360-16 (AISC 341-16 as applicable); AWS D1
					d. Inspect floor and roo	of deck welds.	Periodic	SI /	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3 Test or Special Inspection	3): Type	Performed By	Code References and Notes						applicable); AWS D1.3; DSA IR 17-3.
 ✓ a. Inspect groove welds, multi-pass fillet welds, single past 			Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as	-	e. Inspect weiging of sti	tructural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control pr AISI S240-20 Chapter D shall also apply. * May be performe
fillet welds > $5/16^{\circ}$, plug and slot welds.	Dariadia	<u></u>	applicable); DSA IR 17-3.	_					project inspector when specifically approved by DSA.
☑ 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.		f. Inspect welding of sta	airs and railing systems.	Periodic	SI*	1705A.2.1 ; AISC 360-16 (AISC 341-16 as applicable); AWS DDSA IR 17-3. * May be performed by the project inspector v
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.		a Marifia II		D : : ::		specifically approved by DSA.
d. Verification of reinforcing steel weldability	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported		g. Verification of reinfor	cing steel weldability.	Periodic	SI	1705A.3.1 ; AWS D1.4; DSA IR 17-3. Verify carbon equivaler reported on mill certificates.
other than ASTM A706. e. Inspect welding of reinforcing steel.	Continuous	s SI	on mill certificates. Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2,		h. Inspect welding of re	inforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Iter 1903A.8; AWS D1.4; DSA IR 17-3.
			1903A.8 ; AWS D1.4; DSA IR 17-3.			/			
DIVISION OF THE STATE ARCHITECT		T OF GENERAL SERV	ES STATE OF CALIFORN		ION OF THE STATE ARCHITEC			OF GENERAL SERVI	CES STATE C
DGS DSA 103-22 (Revised 12/01/2022)		Page 9 of 17		DGSE	D8A 103-22 (Revised 12/01/20)22)	F	Page 10 of 17	
DSA 103-22: LISTING OF STRUCTURAL TEST 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16			4; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8						
Application Number:School Name:04-121917PC FABRIC SHADE STRUCT	TURES		School District: USA SHADE AND FABRIC STRUCTURES	G	ENERAL DSA-	<u>103 NOTES:</u>			
DSA File Number: Increment Number:			Date Created: 2023-02-15 15:23:09	1.		103 FORM PROVIDED ON THIS OF SPECIFIC DSA-103 FORMS			E PURPOSES ONLY TO ASSIST IN
Test or Special Inspection	Туре	Performed By	Code References and Notes						
c. Storage rack anchorage installation.	Periodic	SI	ANSI/MH16.1 Section 7.3.2; Table 1705A.18.7	2.					HAT THIS P.C. DOCUMENT IS CROSSED OUT ON THIS SHEET
d. Completed storage rack system to indicate compliance	e Periodic	SI*	Table 1705A.13.7; * May be preformed by the project inspector when	_					
with the approved construction documents.			specifically approved by DSA.						
S/A11. Other Steel			/					0750	
Test or Special Inspection	Туре	Performed By	Code References and Notes	<u> </u>	DDITIONAL TE	ESTING AND INSPE	CTION N	OTES:	
a.				1.		PECTOR AND TESTING AGEN		MPLOYED BY 1	THE SCHOOL DISTRICT AND
				2.	A "DSA CERTIFIED"	PROJECT INSPECTRO EMPL	OYED BY THE		NER) AND APPROVED BY DSA
						RT 1, TITLE 24, CCR.	THE WORK. TH	E DUTIES OF T	HE INSPECTOR ARE DEFINED IN
	/					INSPECTOR SHALL BE CLAS TESTING LABORATORY DIRE		ED BY THE DIST	FRICT (OWNER) SHALL CONDUCT
				5		TEST AND INSPECTIONS FOR E PROJECT INSPECTOR AND			BORN BY THE SCHOOL DISTRICT.
/					COPIES OF THE VER		SENT TO DSA, ⁻		T, THE SCHOOL DISTRICT, THE
				7.	THE IN-PLANT INSP			PECTOR FOR M	IATERIAL VERIFICATION AND
				8.	,	CTION 1705A.3.3, BATCH PLAN	NT INSPECTION	I MAY BE WAIVI	ED WHEN THE FOLLOWING
				o	REQUIREMENTS AR	ZE MET			
				0			IVELY IDENTIF	Y QUANTITY OF	MATERIALS AND CERTIFY EACH
					3.1. A LICENSED W LOAD BY A BAT	VEIGHMASTER SHALL POSIT			
					 A LICENSED W LOAD BY A BAT BATCH TICKET BE TRANSMITT 	VEIGHMASTER SHALL POSITI TCH TICKET. FS, INCLUDING MATERIAL QU TED TO THE INSPECTOR OF F	JANTITIES AND RECORD BY TH	WEIGHTS SHAI IE TRUCK DRIV	LL ACCOMPANY THE LOAD, SHALL ER WITH LOAD IDENTIFIED
				8	 A LICENSED W LOAD BY A BAT BATCH TICKET BE TRANSMITT THEREON. THE INSPECTOR OF 	VEIGHMASTER SHALL POSITI TCH TICKET. I'S, INCLUDING MATERIAL QU TED TO THE INSPECTOR OF F E LOAD SHALL NOT BE PLACI F RECORD SHALL KEEP A DA	JANTITIES AND RECORD BY TH ED WITHOUT A AILY RECORD C	WEIGHTS SHAI IE TRUCK DRIV BATCH TICKET F PLACEMENT	LL ACCOMPANY THE LOAD, SHALL ER WITH LOAD IDENTIFIED F IDENTIFYING THE MIX. THE S, IDENTIFYING EACH TRUCK, IT'S
DIVISION OF THE STATE ARCHITECT DGS D54 103-22 (Revised 12/01/2022)	DEPARTMEN	T OF GENERAL SERVI Page 13 of 17	ES STATE OF CALIFORN	8	 A LICENSED W LOAD BY A BAT BATCH TICKET BE TRANSMITT THEREON. THE INSPECTOR OF LOAD, TIME OF 	VEIGHMASTER SHALL POSITI TCH TICKET. I'S, INCLUDING MATERIAL QU TED TO THE INSPECTOR OF F E LOAD SHALL NOT BE PLACI F RECORD SHALL KEEP A DA	JANTITIES AND RECORD BY TH ED WITHOUT A AILY RECORD C AND APPROXIN	WEIGHTS SHAI IE TRUCK DRIV BATCH TICKET IF PLACEMENT IATE LOCATION	LL ACCOMPANY THE LOAD, SHALL ER WITH LOAD IDENTIFIED I IDENTIFYING THE MIX. THE S, IDENTIFYING EACH TRUCK, IT'S N OF DEPOSIT IN THE STRUCTURE
	DEPARTMEN		ES STATE OF CALIFORN	8	 A LICENSED W LOAD BY A BAT BATCH TICKET BE TRANSMITT THEREON. THE INSPECTOR OF LOAD, TIME OF 	VEIGHMASTER SHALL POSITI TCH TICKET. I'S, INCLUDING MATERIAL QU TED TO THE INSPECTOR OF F E LOAD SHALL NOT BE PLACI F RECORD SHALL KEEP A DA F RECEIPT AT THE JOBSITE, /	JANTITIES AND RECORD BY TH ED WITHOUT A AILY RECORD C AND APPROXIN	WEIGHTS SHAI IE TRUCK DRIV BATCH TICKET IF PLACEMENT IATE LOCATION	LL ACCOMPANY THE LOAD, SHALL ER WITH LOAD IDENTIFIED I IDENTIFYING THE MIX. THE S, IDENTIFYING EACH TRUCK, IT'S N OF DEPOSIT IN THE STRUCTURE
	DEPARTMEN		ES STATE OF CALIFORN	8	3.1. A LICENSED W LOAD BY A BAT BATCH TICKET BE TRANSMITT THEREON. THE INSPECTOR OF LOAD, TIME OF AND SHALL MA	VEIGHMASTER SHALL POSITI TCH TICKET. IS, INCLUDING MATERIAL QU TED TO THE INSPECTOR OF F E LOAD SHALL NOT BE PLACI F RECORD SHALL KEEP A DA F RECEIPT AT THE JOBSITE, / AINTAIN A COPY OF THE DAIL	JANTITIES AND RECORD BY TH ED WITHOUT A NILY RECORD C AND APPROXIN LY RECORD AS	WEIGHTS SHAI IE TRUCK DRIV BATCH TICKET IF PLACEMENT MATE LOCATION REQUIRED BY	LL ACCOMPANY THE LOAD, SHALL ER WITH LOAD IDENTIFIED I IDENTIFYING THE MIX. THE S, IDENTIFYING EACH TRUCK, IT'S N OF DEPOSIT IN THE STRUCTURE

LE) - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS

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

Continuous

Continuous

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

Continuous

Test

See Notes

School District:

Type Performed By Code References and Notes

GE*

GE*

Provide tests and inspections per STEEL section below. Provide tests and inspections per CONCRETE section below.

Type Performed By Code References and Note

PI

PI

DEPARTMENT OF GENERAL SERVICES

Page 3 of 17

Provide tests and inspections per CONCRETE section below

School District

Type Performed By Code References and Notes

1908A.2, 1705A.3

LOR

SI*

LOR

Type Performed By Code References and Notes

Type Performed By Code References and Notes

Type Performed By Code References and Notes

LOR

SI

DEPARTMENT OF GENERAL SERVICES

Page 11 of 17

Type Performed By

DEPARTMENT OF GENERAL SERVICES

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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

Test

Test

Test

Type

Continuou

Date Created: 2023-02-15 15:23:09

ACI 506.2-13 Section 3.4, ACI 506R-16.

Code References and Notes

School District:

Date Created:

2023-02-15 15 23 09

D1.1, AWS D1.8; DSA IR 17-2.

D1.1, AWS D1.8; DSA IR 17-2.

formed By Code References and Notes

USA SHADE AND FABRIC STRUCTURES

LOR 1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS

LOR 1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS

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 truss

USA SHADE AND FABRIC STRUCTURES

SI 1705A.3.9, Table 1705A.3 Item, 1908A.1, 1908A.2, 1908A.3. See

1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic),

1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project

1910A.5. (See Appendix (end of this form) for exemptions.)

inspector when specifically approved by DSA.

Date Created: 2023-02-15 15:23:09

USA SHADE AND FABRIC STRUCTURES

* As defined on drawings or specifications.

Continuous inspection to be provided by project inspector.

Continuous inspection to be provided by project inspector.

Refer to specific items identified in the Appendix listing exemptions for

Refer to specific items identified in the Appendix listing exemptions for

STATE OF CALIFORNIA

STATE OF CALIFORNIA

STATE OF CALIFORNIA

* By geotechnical engineer or his or her qualified represe

* By geotechnical engineer or his or her qualified representative.

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

and accurate records for each pile.

c. Inspect driving operations and maintain complete

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.

g. For specialty piles, perform additional inspections

S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):

b. Verify pier locations, diameters, plumbness and

lengths.Record concrete or grout volumes.

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

a. Inspect shotcrete placement for proper

Test or Special Inspection

application techniques.

b. Sample and test shotcrete (f'c).

C5. POST-INSTALLED ANCHORS:

a. Inspect installation of post-installed anchors

Test or Special Inspection

b. Test post-installed anchors.

Test or Special Inspection

C6. OTHER CONCRETE:

DIVISION OF THE STATE ARCHITECT

Application Number:

a. Ultrasonic

b. Magnetic Particle

04-121917

DSA File Number:

DGS DSA 103-22 (Revised 12/01/2022)

Test or Special Inspection

Test or Special Appection

S/A6. NONDESTRUCTIVE TESTING:

S/A7. STEEL JOISTS AND TRUSSES

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

Test or Special Inspection

each joist.

DIVISION OF THE STATE ARCHITECT

DGS DSA 103-22 (Revised 12/01/2022)

] a.

C4. SHOTCRETE (IN ADDITION TO SECTION C1):

as determined by the registered design professional in

a. Inspect drilling operations and maintain complete and Continuous

School Name:

School Name:

Increment Number:

PC FABRIC SHADE STRUCTURES

Increment Number:

PC FABRIC SHADE STRUCTURES

f. Concrete piles and concrete filled piles.

d. Verify locations of piles and their plumbness,

Test or Special Inspection

School Name:

Increment Number:

PC FABRIC SHADE STRUCTURES

Application Number:

e. Steel piles.

responsible charge.

C. Concrete piers.

DIVISION OF THE STATE ARCHITECT

Application Number:

DSA File Number:

04-121917

DGS DSA 103-22 (Revised 12/01/2022)

Test or Special Inspection

accurate records for each pier.

DSA File Number:

04-121917

Refer to specific items identified in the Appendix listing exemptions

* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the

* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the

GE* * By geotechnical engineer or his or her qualified representative.

SI Table 1705A.3 Item 13. Special inspector to verify specified concrete

1705A.3.4, Table 1705A.3 Item 9; ACI 318-14 Section 26.13

SI* Table 1705A.3 Item 10. * May be performed by PI when specifically

SI Table 1705A.2.1 Items 5a, 4; AISC 360-16 (AISC 341-16 as

SI Table 1705A.2.1 (tem 5a.5; AISC 360-16 (AISC 341-16 as applicable);

2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR

1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as

1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions o

AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.

DSA IR 17-3. * May be performed by the project inspector when

SI* 1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3;

Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2,

STATE OF CALIFORNIA

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STATE OF CALIFORNIA

for limitations. Placement of controlled fill exceeding 12" depth under

THE TRUCK DRIVER WITH LOAD IDENTIFIED T A BATCH TICKET IDENTIFYING THE MIX. THE O OF PLACEMENTS, IDENTIFYING EACH TRUCK, IT'S XIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AS REQUIRED BY THE ENFORCING AGENCY.

	103-22: LISTING OF STRUCTURAL	L TESTS & SP	ECIAL		NS (SOILS), 2022 CBC]
Appli 04-12	School Number: School Name: 1917 PC FABRIC SHADI File Number: Increment Numl				School District: USA SHADE AND FABRIC STRUCTURES Date Created:	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
	Test or Special Inspection		уре	Performed By	2023-02-15 15:23:09 Code References and Notes	APP: 03-124406 INC: REVIEWED FOR
	S5. RETAINING WALLS: Test or Special Inspection		уре	Performed By	Code References and Notes	SS 🗹 FLS 🗹 ACS 🗹
	a. Placement, compaction and inspection of bac		inuous	GE*	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section S2 above).	DATE: <u>10/17/2024</u>
	 b. Placement of soil reinforcement and/or draina devices. c. Segmental retaining walls; inspect placement 	<u> </u>	inuous inuous	GE*	By geotechnical engineer or his or her qualified representative. By geotechnical engineer or his or her qualified representative.	
	units, dowels, connectors, etc. d. Concrete retaining walls.	Provid	de tests a		See DSA IR 18-2.	THESE PLANS AND SPECIFICATIONS ARE THE
	e. Masonry retaining walls.	Provid	de tests a	nd inspections pe	r MASONRY section below.	PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN
	S6. OTHER SOILS: Test or Special Inspection		ype	Performed By	Code References and Notes	
	a. Soil Improvements		ſest	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)	USA SHADE & Fabric Structures
	b. Inspection of Soil Improvements	Cont	tinuous	GE*	for final acceptance. * By geotechnical engineer or his or her qualified representative. * By geotechnical engineer or his or her qualified representative.	& Fabric Structures
	c.					CORPORATE HEADQUARTERS 2580 ESTERS BLVD. SUITE 100
						DFW AIRPORT, TX, 75261 800-966-5005
	DIN OF THE STATE ARCHITECT	DEP		OF GENERAL SERVIC	ES STATE OF CALIFORNIA	CERTIFICATIONS:
	\$A 103-22 (Revised 12/01/2022)			age 4 of 17		IAS CERTIFICATION No: FA-428 CLARK COUNTY MANUFACTURER
1705A					VS (STEEL AND ALUMNINUM), 2022 CBC 4; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8 School District:	CERTIFICATION NUMBER (NEVADA): 355
04-12					USA SHADE AND FABRIC STRUCTURES Date Created: 2023-02-15 15:23:09	CUSTOMER:
	S/A1. STRUCTURAL STEEL, COLD-FORMED STI Test or Special Inspection		IUM USE ype	D FOR STRUCTU	RAL PURPOSES Code References and Notes	Kern High School District
	 a. Verify identification of all materials and: Mill certificates indicate material properties that 	Pe	riodic	*	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	PROJECT NAME:
	with requirements. • Material sizes, types and grades comply with requirements.				special inspector or qualified technician when performed off-site.	LOCATION:
	b. Test unidentified materialsc. Examine seam welds of HSS shapes		est riodic	LOR SI	2202A.1. DSA IR 17-3.	Bakersfield High School
	d. Verify and document steel fabrication per DSA approved construction documents.		riodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).	1241 "G" Street
	e. Buckling restrained braces.		est	LOR	Testing and special inspections in accordance with IR 22-4.	Bakersfield, CA 93301
	S/A2. HIGH-STRENGTH BOLTS: SEE STRU Test or Special Inspection	Т	уре	Performed By	Code References and Notes	MODEL NUMBER:
	a. Verify identification markings and manufactur certificates of compliance conform to ASTM stan specified in the DSA-approved documents.	ndards	riodic	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. c. Bearing-type ("snug tight") connections. 		riodic	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8. Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2,	
	d. Pretensioned and slip-critical connections.		*	SI	M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9. 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.	
	DN OF THE STATE ARCHITECT SA 103-22 (Revised 12/01/2022)	DEP		OF GENERAL SERVIC age 8 of 17	ES STATE OF CALIFORNIA	APPROVED
DGS DS	SA 103-22 (Revised 12/01/2022)		P	age 8 of 17		DIV OF THE STATE ARCHITECT
DGS DS DSA 1705A Appli	SA 103-22 (Revised 12/01/2022) A 103-22: LISTING OF STRUCTURAL L2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AIS ication Number: School Name:	L TESTS & SP SC 358-16, AISC 360	P. PECIAL	age 8 of 17 . INSPECTIOI	NS (STEEL AND ALUMNINUM), 2022 CBC 4; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8 School District:	DIV. OF THE STATE ARCHITECT APP: 04-121917 PC REVIEWED FOR
DGS DS DSA 1705A Appli 04-12	SA 103-22 (Revised 12/01/2022) A 103-22: LISTING OF STRUCTURAL L2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AIS ication Number: School Name:	L TESTS & SP SC 358-16, AISC 360 DE STRUCTURES	P. PECIAL	age 8 of 17 . INSPECTIOI	NS (STEEL AND ALUMNINUM), 2022 CBC 4; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8	DIV OF THE STATE ARCHITECT APP: 04-121917 PC
DGS DS DSA 1705A Appli 04-12	SA 103-22 (Revised 12/01/2022) A 103-22: LISTING OF STRUCTURAL L.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AIS ication Number: School Name: 1917 PC FABRIC SHADI	L TESTS & SP sc 358-16, AISC 360 DE STRUCTURES Ibber:	P. PECIAL	age 8 of 17 . INSPECTIOI	NS (STEEL AND ALUMNINUM), 2022 CBC 4; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8 School District: USA SHADE AND FABRIC STRUCTURES Date Created:	DIV OF THE STATE ARCHITECT APP: 04-121917 PC REVIEWED FOR SS I FLS I ACS I CG I
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GENERAL NOTES

PRESSURE 1500 PSF)

- 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. B.- FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION

- 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

<u>3TRUCTURAL STEEL</u> 1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN INSPECTION OF WELDING SHALL 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)

- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500-16 GRADE C, IN ITS' ENTIRETY.

TYPICAL MECHANICAL PROPERTIES ARE ROUND TUBE GRADE C 46,000 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: 50.000 PSI YIELD STRESS / 62.000 PSI TENSILE STRESS SQUARE AND RECTANGULAR 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS ROUND PIPE

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

.- 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.

1.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 45 KSI, TENSILE STRENGTH= 85 KSI MINIMUM, ALLOY GROUP 2, CONDITION CW2. ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 2, CONDITION CW2. 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 PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN 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 - CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE SECTION 1903A.

2.- CONCRETE TO BE F'C= 4500 PSI, TYPE V CEMENT PLUS POZZOLAN OR SLAG CEMENT, MAXIMUM WATER/CEMENT RATIO OF 0.45, PER ACI 318-19 CHAPTER 19. (NO ADMIXTURES CONTAINING CALCIUM CHLORIDE WILL BE USED.) REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 AND TO BE Fy= 60000 PSI , MIN. GR. 60. ALSO COATED ACCORDING TO ASTM A767/ A767M, STANDARD SPECIFICATION FOR ZINC-COATING (GALVANIZED) STEEL BARS FOR CONCRETE REINFORCEMENT.

.- 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:

I.- 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 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.

.- 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 ARFA

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

A) ANCHOR BOLT Ø1 1/4"

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=4,909 LB.

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) 250 PERSONS -K-12: -PUBLIC ASSEMBLY 300 PERSONS

-EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE:

500 PERSONS

(2 TYP) /\ \(Ø1/2" THIMBLE (TO FIT IN 3/4" ANCHOR SHACKLE)
	D BE LOOPED

AND SECURED ON SITE) Ø3/8" CABLE ASSEMBLY CBC PC DESIGN NOTES

CBC 2022 (BASED ON IBC 2021) BUILDING CODE \FLOOR LIVE LOAD N/A ROOF LIVE LOAD RLL 5 PSF ALLOWABLE SOIL PRESSURE: 1500 PSF

1500 PSF

5 PSF

ZERO PSF

DL + LL (CONC FTG) DL + LL + SEISMIC (CONC FTG) LATERAL BEARING DESIGN VALUE

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 ICE LOAD

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) -ASD WIND LOAD (CBC 2022 SEC. 1603A.1.4) -WIND EXPOSURE FACTOR -TOPOGRAPHIC FACTOR

-RISK CATEGORY -VELOCITY PRESSURE EXPOSURE COEFFICIENT K7 -VELOCITY PRESSURE

SEISMIC DESIGN:

-SITE CLASS 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.

	S1
-SPECTRAL RESPONSE COEFFICIENTS	SDS
	SD1
-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY SYSTEM.	CANT

-SEISMIC IMPORTANCE FACTOR	le
-DESIGN BASE SHEAR AT BASE	V
-SEISMIC RESPONSE COEFFICIENTS	Cs
-RESPONSE MODIFICATION FACTOR	R
-ANALYSIS PROCEDURE	EQUIVALENT
-RISK CATEGORY	II
-SEISMIC DESIGN CATEGORY	
-SITE COEFFICIENT CATEGORY	Fa
	Fv

-REDUNDANCY FACTOR

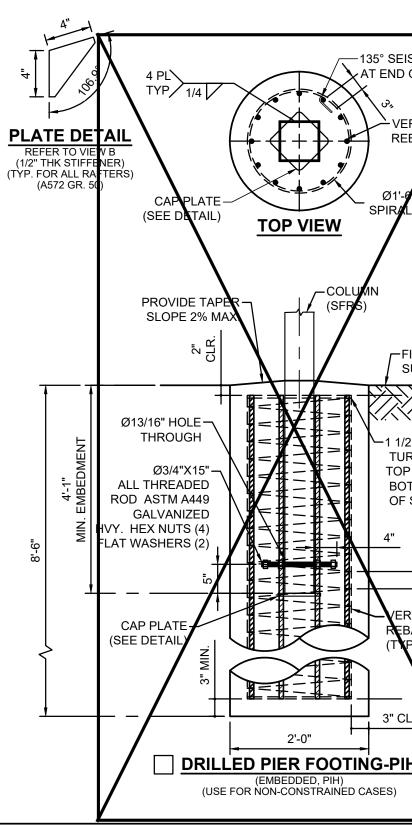
GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES 1,600 SQF OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO A MAXIMUM OF 4,000 SQUARE FEET AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO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

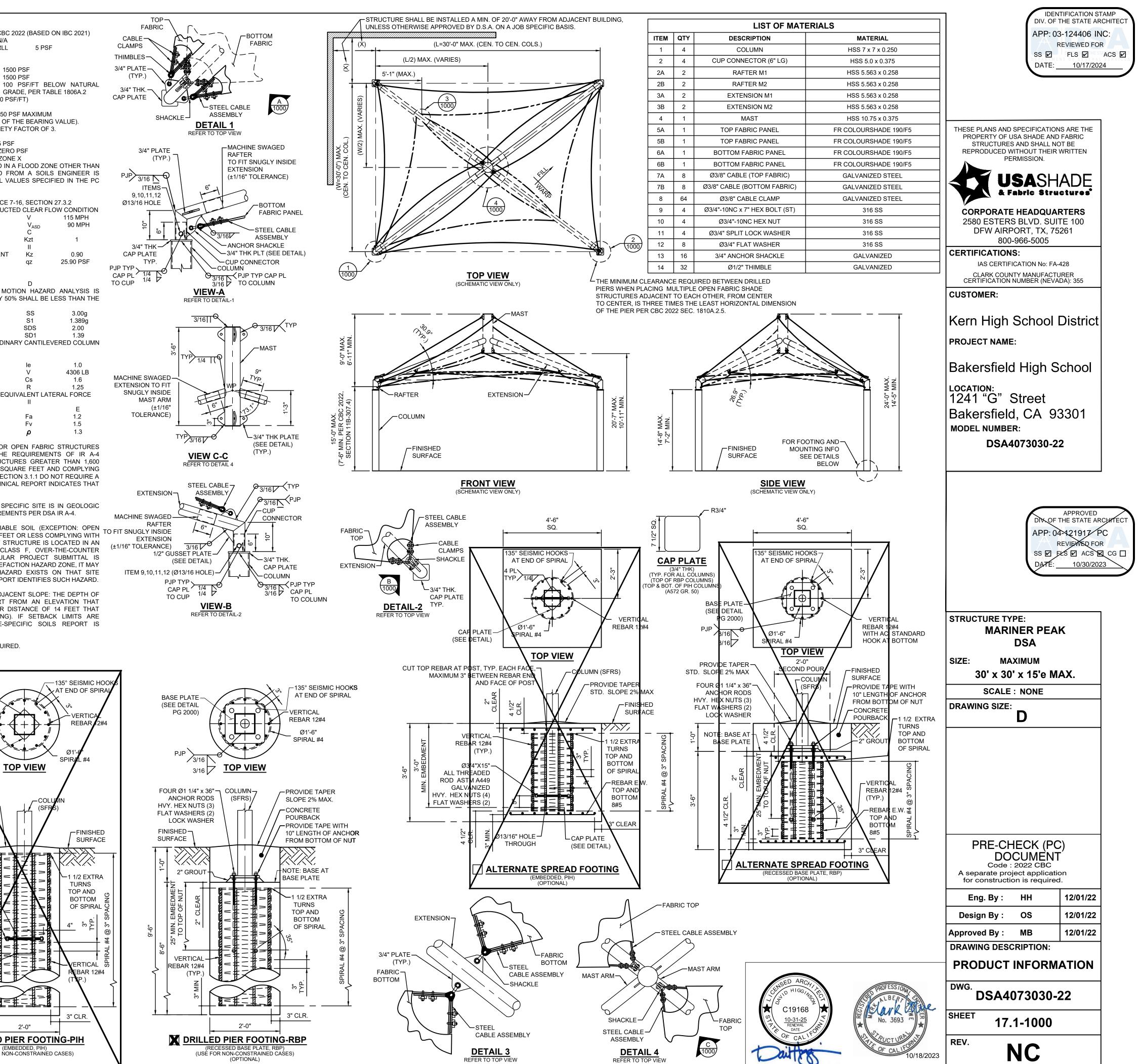
ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

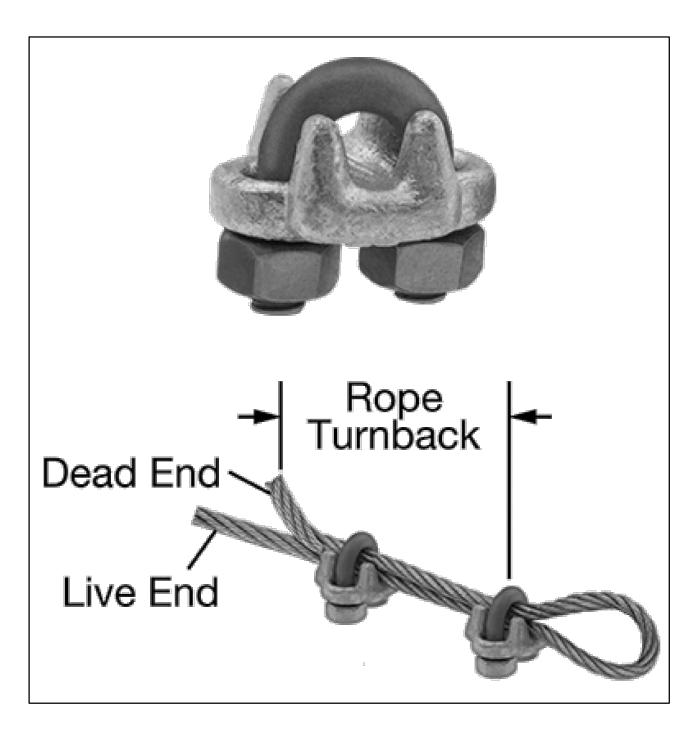
FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F. OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

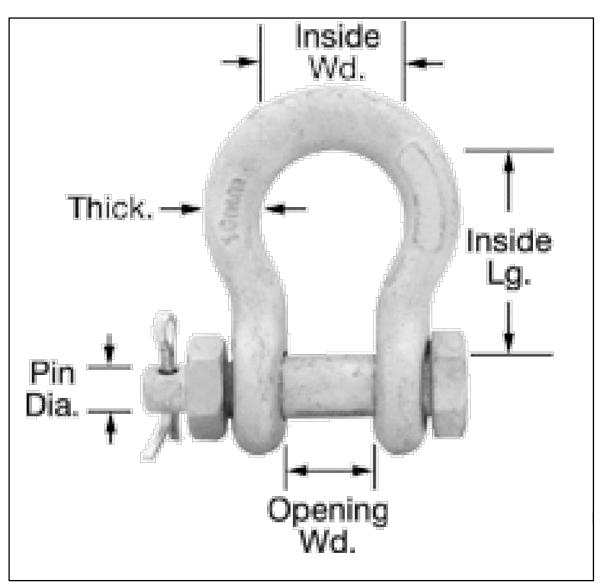
MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 14 FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT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

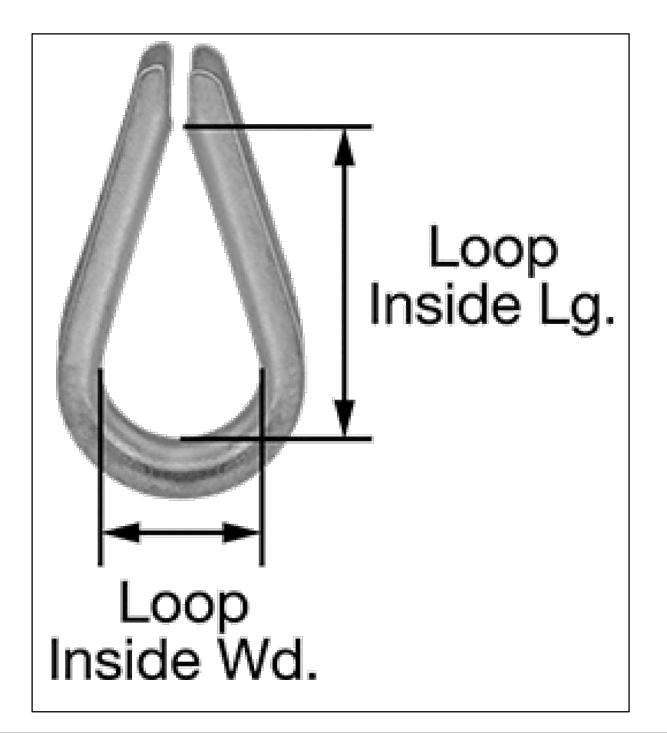
MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.











FORGED WIRE ROPE CLAMP

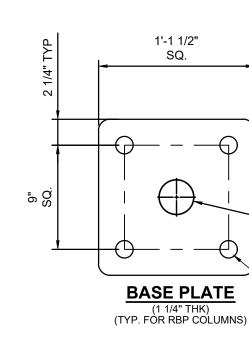
FITTING TYPE ROPE CLAMP FABRICATION: FORGED MATERIAL: GALVANIZED STEEL FOR WIRE ROPE DIAMETER 3/8" NUMBER OF CLAMPS REQUIRED: 2 ROPE TURNBACK: 6 1/2" FOR WIRE ROPE CONSTRUCTION 7 × 19 ATTACHMENT TYPE: LOOP CLAMP:WIDTH 2", HEIGHT 1 15/16", THICKNE REQUIRED INSTALLATION TOOL TORQUE WI REQUIRED TORQUE 45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

3/4" GALVANIZED STEEL SAFETY-PIN SHACK MATERIAL: GALVANIZED STEEL THICKNESS: 3/4" OPENING WIDTH: 1 1/4" PIN DIAMETER" 29/32" INSIDE LENGTH: 2 13/16" INSIDE WIDTH: 2 " CAPACITY: 10,400 LBS. FABRICATION: FORGED PIN TYPE: SAFETY SPECIFICATIONS MET ASME B30.26, FED. SP FITTING TYPE: SHACKLE APPLICATION: FOR LIFTING ATTACHMENT TYPE: CLEVIS A BOLT FASTENED WITH A NUT AND COTT MORE SECURE THAN SCREW-PIN SHACKLE

A BOLT FASTENED WITH A NUT AND COTTER PIN MAKES THESE SHACKLES MORE SECURE THAN SCREW-PIN SHACKLES. ALSO KNOWN AS ANCHOR AND BOW SHACKLES, THE WIDE BODY PROVIDES ROOM TO ATTACH MULTIPLE CONNECTORS. GALVANIZED STEEL SHACKLES HAVE A THICK COATING FOR CORROSION RESISTANCE.

WIRE ROPE THIMBLE FITTING TYPE: THIMBLE MATERIAL: GALVANIZED STEEL FOR WIRE ROPE DIAMETER: 1/2" LOOP INSIDE LENGTH: 1 7/8"

INSIDE WIDTH: 1 1/8" SPECIFICATIONS MET FED. SPEC. FF-T-276B

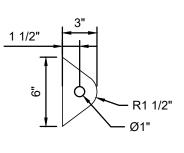


—Ø1 5/16"

TYP

	FLAME RETARDANT	Aircra Preforme
	Fabric Registration	cial speci
	LICENSE NUMBER: F-030001	tion rope
	COLOURSHADE FR-S3	Carbon S cable has
ESS 1 11/16" /RENCH		fatigue lif
	Product Marketed by:	to fair cor
PEC. FF-C-450	MULTIKNIT (PTY) LTD 5 THEO KLEYNHANS STREET, WHITE RIVER, 1240, Issue Date : 06/10/2024	atmosphe
	MPUMALANGA, SOUTH AFRICA, , Expiration Date : 06/30/2025	widely us
		galvanize
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	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.	
		7 x 19
	Walker Patucia Dette	7 A IV
	Issued By Cortney WalkerReviewed and Approved By Patricia SetterFire Engineering License ManagerDeputy State Fire Marshal IIIFire Engineering & Investigations DivisionFire Engineering & Investigations Division	
<u>KLE</u>	OFFICE OF THE STATE FIRE MARSHAL	
	Please visit calfire.govmotus.org for more information on Licensing and Permitting with CAL FIRE	

190/F5 Fire rated specifications INTERNATIONAL Standard range Revision Average Average Average Average Average Warp break Elongation Weft break Elongation Colour Shade % UV Block % GSM strength kgs strength kgs 9% Desert Sand 80 185 50 40 72 73 72 73 Blue 185 50 40 80 85 Brown 73 185 50 40 72 73 Green 80 85 185 50 40 72 72 185 50 40 73 Red 80 86 73 Silver 185 50 40 72 40 73 Terracotta 75 185 50 72 Yellow 185 50 40 72 73 80 89 159 LB 110 LB 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. Deon Jouber General Manager - Multiknit (Pty) Ltd



TAB PLATE DETAIL REFER TO VIEW C-C (3/4" THK PLATE)

5 1/4' TAB PLATE DETAIL EFER TO VIEW A-A

(3/4" THK PLATE)

