ARROYO HIGH SCHOOL

ARROYO HIGH SCHOOL - EXTERIOR SHELTERS

4921 CEDAR AVE, EL MONTE, CA 91732

PTN.: 64519-117

DSA FILE NO.: 19-H10

PROVIDE (4) 20' X 20' SHADE STRUCTURES FOR OUTDOOR LEARNING

SCOPE OF WORK

CODE ANALYSIS

SPACES.

CSDA DESIGN GROUP

[T] 415.321.1104

610 E. FRANKLIN AVENUE

EL SEGUNDO, CA, 90245

CHRISTOPHER WARD, ASSOC. PRINCIPAL

ARROYO HIGH SCHOOL 4921 CEDAR AVE, EL MONTE, CA 91732 [T]: 626.444.9201 GABRIEL FLORES, PRINCIPAL

EL MONTE UNIFIED HIGH SCHOOL DISTRICT 3537 JOHNSON AVENUE, EL MONTE, CA 91731 [T]: 626.444.9005

CODE ANALYSIS OCCUPANT LOAD OCCUPANT LOAD FACTOR

FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING **5 PSF IS ANTICIPATED** FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH

ARE ANTICIPATED, SEE NOTE 1 OF DESIGN LOADS

PROJECT DIRECTORY SHEET INDEX

> GENERAL COVER SHEET - INDEX, SCOPE OF WORK & VICINITY MAF GENERAL NOTES, ABBREVIATIONS, & SYMBOL LEGEND FIRE LIFE SAFETY SITE PLAN

A-101	SITE PLAN - OVERALL & P.O.T.
A-102	SITE PLAN - EXTERIOR SHELTERS OPTION 1
A-103	SITE PLAN - EXTERIOR SHELTER OPTION 2
	PRE-APPROVED USA SHADE DRAWINGS
P.C. T-1.0	P.C. TITLE SHEET
P.C. T-2.0	P.C. DOCUMENT

14.1-1000 | 20' X 20' TENSION SAILS - DSA4182020-19 PRODUCT INFORMATION

14.2-2000 20' X 20' TENSION SAILS - DSA4182020-19 REACTIONS

•ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF

•CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE

APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY

(OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS

•A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE

AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE

AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1

DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND

MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD)

•A "DSA CERTIFIED" CLASS 2 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT

INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN

•WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE

BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS

ARCHITECTURA

SHEET COUNT: 10

NOTES

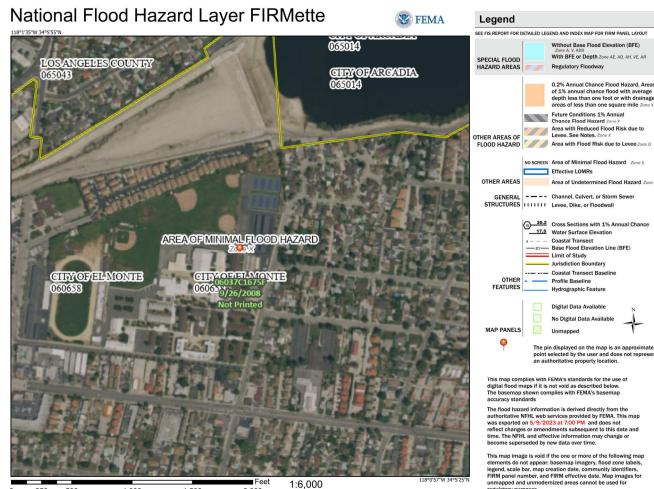
REGULATIONS (CCR).

SECTION 4-338, PART 1, TITLE 24, CCR.

SECTION 4-342, PART 1, TITLE 24, CCR.

INSPECTIONS FOR THE PROJECT.

FEMA MAP



DSA APPLICATION NO.:

4921 CEDAR AVE, EL MONTE, CA 91732

PROJECT OWNER:

ARROYO HIGH SCHOOL - EXTERIOR SHELTERS

SS FLS ACS

610 E. FRANKLIN AVE EL SEGUNDO, CA 90245

www.csdadesigngroup.com

CHRISTOPHER WARD No. C-21640 RENEWAL DATE

T: 415.689.9800

03-123271

4921 CEDAR AVE, EL MONTE, CA 91732

AUTHORITY APPROVAL:

DESIGN DEVELOPMENT **DISTRICT REVIEW 50%** 03/01/23 **DISTRICT REVIEW 100%**

PROJECT NO.: DESIGN DEVELOPMENT

SHEET TITLE:

21096.01

COVER SHEET - INDEX, SCOPE OF WORK & VICINITY MAP

G-001

STRUCTURAL DESIGN CRITERIA:

STRUCTURAL CODE ANALYSIS

STRUCTURE

ALL WORK SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE (CBC) 2019 EDITION, INCLUDING ALL AMENDMENTS. BY THE CODE ENFORCEMENT AGENCY ON THE DATE OF THE PERMIT ISSUANCE UNLESS SPECIFICALLY NOTED OTHERWISE.

WIND DESIGN INFORMATION

RISK CATEGORY = III Kd =0.85 Kzt = 1.0 BASIC WIND SPEED Vfm = 102 MPH (3 SEC GUST) EXPOSURE = C INTERNAL PRESSURE COEFF. = +/- 0.18

SEISMIC DESIGN INFORMATION

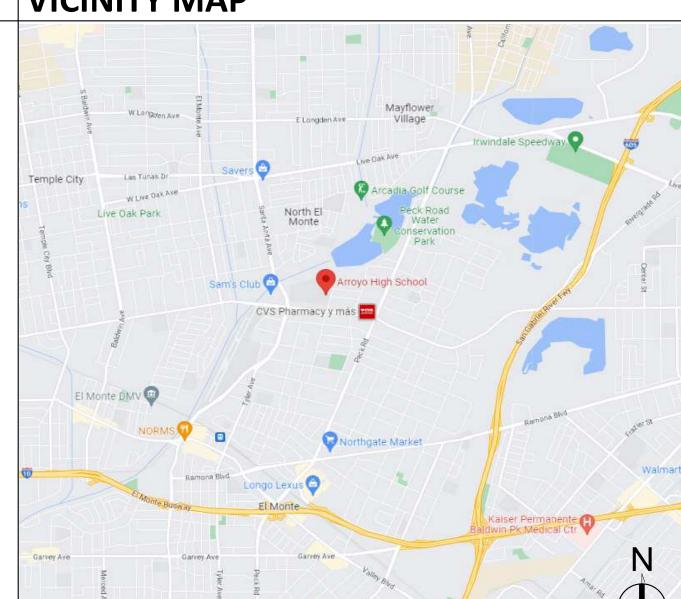
APPLICABLE CODES

1. STATUTORY & JUDICIAL REGULATIONS:

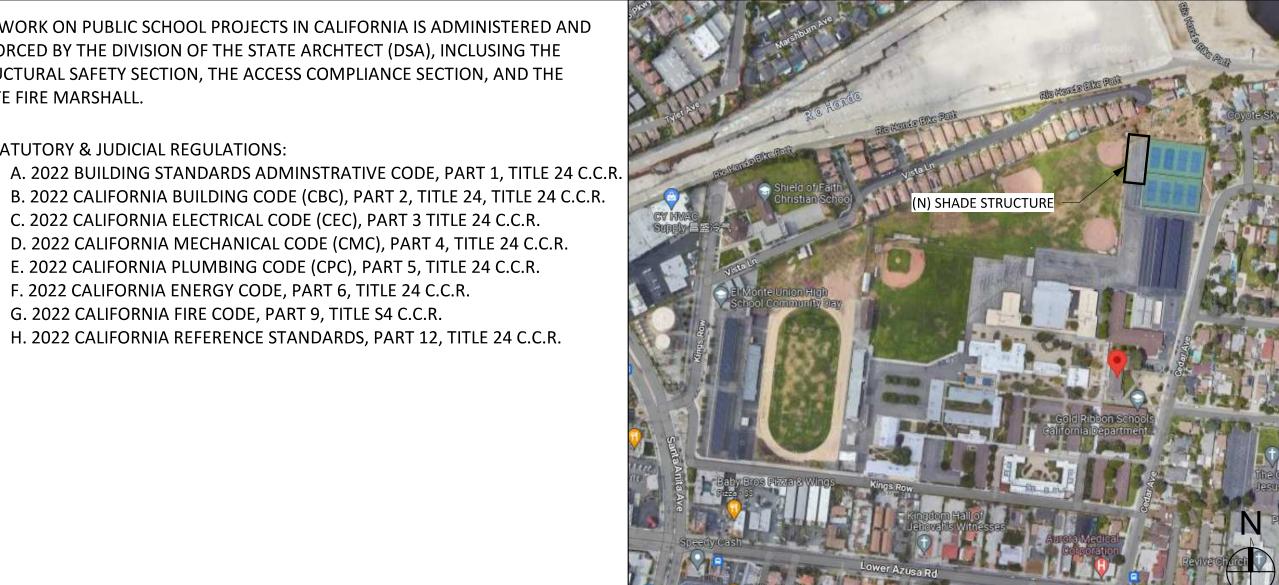
STATE FIRE MARSHALL

SITE CLASS = D (DEFAULT) I = 1.25 RISK CATEGORY = III S_C = 1.82 | S1 = 0.652 | SDS = 1.456 | SD1 = 0.739 SEISMIC DESIGN CATEGORY = D





LOCATION MAP



•GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).

•TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.

STRUCTURAL DESIGN CRITERIA

ALL WORK SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE (CBC) 2019 EDITION, INCLUDING ALL AMENDMENTS. ALL STANDARDS USED SHALL BE THE LATEST VERSION APPROVED BY THE CODE ENFORCEMENT AGENCY ON THE DATE OF THE PERMIT

ISSUANCE UNLESS SPECIFICALLY NOTED OTHERWISE

WIND DESIGN INFORMATION

RISK CATEGORY = III Kd =0.85 Kzt = 1.0 BASIC WIND SPEED Vfm = 102 MPH (3 SEC GUST) EXPOSURE = C INTERNAL PRESSURE COEFF. = +/- 0.18

SEISMIC DESIGN INFORMATION

RISK CATEGORY = III SITE CLASS = D (DEFAULT) S_S = 1.82 | S1 = 0.652 | SDS = 1.456 | SD1 = 0.739 SEISMIC DESIGN CATEGORY = D

STATEMENT OF GENERAL CONFORMANCE

THE DRAWING SHEETS LISTED ON THE SHEET INDEX HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE OF CALIFORNIA. I HAVE EXAMINED THE DRAWINGS FOR:

(1) DESIGN INTENT AND THEY APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY MYSELF, AND

(2) COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBLITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341, AND 4-344" OF TITLE 24, PART 1. [PER TITLE 24, PART 1, SECTION 4-317(B)]

I FIND THAT:

ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN

☐ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND

SIGNATURE OF ARCHITECT DESIGNATED TO BE IN RESPONSIBLE CHARGE

RESPONSIBLE DESIGN PROFESSIONAL

C. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3 TITLE 24 C.C.R. D. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. E. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. F. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R. G. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE S4 C.C.R. H. 2022 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.

THE WORK ON PUBLIC SCHOOL PROJECTS IN CALIFORNIA IS ADMINISTERED AND

ENFORCED BY THE DIVISION OF THE STATE ARCHTECT (DSA), INCLUSING THE

STRUCTURAL SAFETY SECTION, THE ACCESS COMPLIANCE SECTION, AND THE

GENERAL NOTES

- 1. ALL CONSTRUCTION AND ALL ON-SITE AND SITE-RELATED ACTIVITIES SHALL COMPLY WITH ALL CURRENT APPLICABLE CODES, ORDINANCES AND STATUTES.
- 2. DRAWINGS AND SPECIFICATIONS, INTEGRAL OR SEPARATELY PACKAGED, REPRESENT FINISHED CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING.
- 3. WRITTEN DIMENSIONS GOVERN OVER SCALED DIMENSIONS. EXISTING BUILDING DIMENSIONS ARE FOR GUIDANCE ONLY, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE COMMENCING WORK. OMISSION OR CONFLICTS BETWEEN VARIOUS ELEMENTS IN THE DRAWINGS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- 4. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING EXISTING MECHANICAL, ELECTRICAL, PLUMBING AND/OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT. INSPECT THOSE AREAS AND ASCERTAIN WORK NEEDED. PERFORM THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
- 5. NO DEVIATION FROM THE APPROVED DRAWINGS AND SPECIFICATIONS IS PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT. ANY DEVIATION OR MODIFICATION FROM THE DSA APPROVED PLANS AFFECTING THE HEALTH, FIRE/LIFE SAFETY, STRUCTURAL INTEGRITY, OR ACCESSIBILITY SHALL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL PRIOR TO COMMENCING SUCH WORK. THE ARCHITECT'S INTERPRETATION OF THESE DOCUMENTS SHALL BE FINAL. ALL MATTERS OF COLOR, TEXTURE, DESIGN AND INTERPRETATION OF DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ARCHITECT BY THE CONTRACTOR FOR RESOLUTION BY HIM OR HER.
- 6. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING THE JOB TO FAMILIARIZE HIMSELF / HERSELF IN DETAIL AS TO THE EXTENT OF THE WORK REQUIRED AND THE EXISTING CONDITIONS, AND SHALL TAKE THESE INTO CONSIDERATION IN THE COST OF THE BID. UPON BEING AWARDED A CONTRACT AND BEFORE BEGINNING WORK AT THE SITE, THE CONTRACTOR IS TO INSPECT AND VERIFY THE CONDITION OF EVERY ITEM AFFECTED BY THE WORK UNDER THIS CONTRACT, AND TO IMMEDIATELY REPORT DISCREPANCIES WITH THE PROJECT DOCUMENTS TO THE ARCHITECT.
- 7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSES, AND SHALL POST OR PUBLISH, AS REQUIRED, ALL NECESSARY NOTICES PRIOR TO PERFORMING ANY WORK ON SITE. THE COSTS OF THESE PERMITS, LICENSES AND NOTICES IS INCIDENTAL TO OTHER ITEMS OF WORK AND NO ADDITIONAL PAYMENTS WILL BE MADE FOR COSTS INCURRED FOR PERMITS, LICENSES AND NOTICES OR IN CONFORMING TO THE REQUIREMENTS THEREOF.
- 8. THE CONTRACTOR SHALL FURNISH THREE (3) SETS OF SHOP DRAWINGS AND PERFORMANCE SPECIFICATIONS AS REQUESTED FOR REVIEW AND APPROVAL OR REJECTION BY THE ARCHITECT OR ENGINEER PRIOR TO FABRICATION OR DELIVERY OF MATERIAL. REVIEW OF SUCH SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH ALL CONTRACT REQUIREMENTS.
- 9. ANY WORK OR MATERIALS NOT DIRECTLY NOTED IN THE CONTRACT DOCUMENTS, BUT NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE INTENT THEREOF, ARE IMPLIED AND ARE TO BE PROVIDED AS IF SPECIFICALLY DESCRIBED AT NO ADDITIONAL COST.
- 10. THE CONTRACTOR SHALL PHOTOGRAPH EXISTING CONDITIONS AT START OF JOB AND VERIFY FUNCTIONALITY OF ELECTRICAL AND MECHANICAL SYSTEMS. ALL DAMAGED AND NON-FUNCTIONING ITEMS NOT IDENTIFIED SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF THE PROJECT.
- 11. TRUCK ROUTES USED FOR THE CONSTRUCTION OF THIS PROJECT ARE TO BE SUBMITTED TO AND APPROVED BY ALL RELEVANT JURISDICTIONS. AS REQUIRED.
- 12. THE CONTRACTOR SHALL ASSUME CARE, CUSTODY & RESPONSIBILITY FOR SAFEGUARDING THE OWNER'S PROPERTY OF EVERY KIND, WHETHER FIXED OR PORTABLE. BEFORE BEGINNING WORK AT THE SITE THE CONTRACTOR SHALL INSPECT AND DETERMINE THE EXTENT OF EXISTING FINISHES, SPECIALTY ITEMS, CASEWORK, EQUIPMENT AND OTHER ITEMS WHICH MUST BE PRESERVED AND PROTECTED. AND/OR REMOVED TO BE PROPERLY STORED AND RE-INSTALLED, IN ORDER TO PERFORM THE WORK UNDER THIS CONTRACT. THE CONTRACTOR SHALL PROVIDE ALL FORMS OF SECURITY AND PROTECTION NECESSARY TO PROTECT OWNER'S PROPERTY, REGARDLESS OF THE CAUSE.
- 13. THE CONTRACTOR SHALL REPAIR, REPLACE OR OTHERWISE RESTORE ANY DAMAGED PROPERTY UNDER THE CONTRACTOR'S CARE
- 14. IN THE DEMOLITION DRAWINGS, DASHED LINES INDICATE CONSTRUCTION FIXTURES OR ITEMS TO BE REMOVED OR SALVAGED. 'REMOVE' MEANS DEMOLITION AND DISPOSAL OF ITEMS. 'SALVAGE' MEANS CAREFUL EXTRACTION AND PROTECTION FOR REINSTALLATION, STORAGE OR OTHER DISPOSAL, AS DIRECTED. ITEMS NOT SPECIFICALLY NOTED FOR SALVAGE, ARE TO BE REMOVED AND DISPOSED OF.
- 15. THE CONTRACTOR SHALL MAINTAIN FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION AND SHALL USE CONSTRUCTION MATERIALS, THAT COMPLY WITH ALL APPLICABLE FIRE-RELATED REGULATIONS.
- 16. EACH CONTRACTOR AND SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND WASTE IN THEIR AREA OF WORK AT LEAST TWICE A WEEK AND SHALL AT ALL TIMES OPERATE IN A CLEAN AND SAFE MANNER. TRASH AND CONSTRUCTION RELATED DEBRIS MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION BY RAINWATER OR DISPERSAL BY WIND OR ANIMALS. AT THE COMPLETION OF THE PROJECT, CONTRACTOR SHALL TURN OVER AN ACCEPTABLY CLEAN SITE TO OWNER.
- 17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE OR FOOT TRAFFIC. SITE ACCESS WAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY OR ADJOINING PROPERTIES. ANY SUCH ACCIDENTAL OR OTHER DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- 18. FUELS, OILS AND SOLVENTS AND OTHER TOXIC OR NON-NATIVE MATERIALS MUST NOT CONTAMINATE ANY SOILS, SURFACE WATERS OR GROUND WATER, AND MUST BE STORED IN ACCORDANCE WITH THEIR LISTING IN APPROVED STORAGE CONTAINERS, FULLY PROTECTED FROM WIND, RAIN AND ANIMALS. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN THE PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE STORMWATER OR SEWAGE SYSTEMS.
- 19. HAZARDOUS MATERIALS MAY BE PRESENT ON SITE. THE CONTRACTOR IS TO REVIEW THE DISTRICT'S HAZMAT DOCUMENTS AND GET DIRECTION FROM THE DISTRICT REGARDING REMOVAL OF HAZARDOUS MATERIALS. SHOULD CONTRACTOR DISCOVER WHAT IS BELIEVED TO BE HAZARDOUS MATERIALS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY AND WAIT FOR DIRECTION. NOTHING IN THESE DOCUMENTS INDICATE OR INVOLVE REMOVAL OR HANDLING OF HAZARDOUS MATERIALS. SEE SPECIFICATIONS <u>024119.</u>
- 20. NO MOTOR VEHICLES ARE TO BE STORED IN BUILDINGS UNDER CONSTRUCTION
- 21. THERE SHALL NOT BE ANY TRESPASSING ON ANY ADJOINING PROPERTY. NO MATERIALS SHALL BE STORED ON ANY ADJOINING PROPERTY. REPRESENTATIVES OF THE OWNER AND OF THE CONTRACTOR ARE TO INSPECT ALL SIDEWALKS, ROADWAYS AND ADJOINING PROPERTIES PRIOR TO COMMENCING WORK. ALL EXISTING DAMAGE SHALL BE NOTED AND AGREED TO BY BOTH PARTIES. ANY DAMAGE TO THESE SIDEWALKS. ROADWAYS OR ADJOINING PROPERTIES OCCURRING DURING THIS CONTRACT SHALL BE REPAIRED PRIOR TO COMPLETION.
- 22. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE PUBLIC RIGHT OF WAY UNLESS AND ENCROACHMENT PERMIT IS FIRST OBTAINED FROM THE APPROPRIATE LOCAL AUTHORITY.
- 23. ALL PAINT AND STAIN MATERIALS MUST COMPLY WITH LOCAL, STATE AND FEDERAL AIR POLLUTION CONTROL MANDATES.
- 24. ALL CONSTRUCTION APPARATUS AND ACTIVITIES SHALL BE LIMITED TO DESIGNATED AREAS. ALL WORK SHALL BE DONE IN A MANNER WHICH WILL NOT ENDANGER USERS OF THE FACILITIES OR THE PUBLIC.
- 25. THE CONTRACTOR SHALL FUMIGATE BUILDING(S) AND EMPLOY LICENSED PEST CONTROL CONTRACTOR TO REMOVE ANY INSECTS, BIRDS, OR RODENTS ON SITE, AND TO CLEAN UP CARCASSES AND DROPPINGS DURING CONSTRUCTION & PRIOR TO SUBSTANTIAL COMPLETION.
- 26. CONTRACTOR IS TO PROVIDE ALL ITEMS THAT ARE NEW AND OF KIND AND QUALITY INDICATED BY THE DRAWINGS AND SPECIFICATIONS U.O.N.

- 27. ALL CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY AND WHAT IS SPECIFIED BY ONE SHALL BE BINDING AS IF SPECIFIED BY ALL. ANY WORK SHOWN OR REFERRED TO ON CONSTRUCTION DOCUMENTS, WHETHER DRAWINGS OR SPECIFICATIONS, SHALL BE PROVIDED AS THOUGH IT WERE SHOWN ON ALL RELATED DOCUMENTS. GENERAL NOTES APPLY TO ENTIRE PROJECT. SHEET NOTES APPLY TO ENTIRE SHEET ON WHICH THEY OCCUR. KEY NOTES APPLY TO THE SERIES OF DRAWINGS TO WHICH THEY BELONG.
- 28. N.I.C. ITEMS ARE SHOWN FOR SCOPE COORDINATION PURPOSES ONLY, AND ARE NOT A PART OF THE DSA APPROVAL.
- 29. THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL NOT WORK BEFORE OR AFTER THE HOURS PERMITTED BY LOCAL GOVERNMENT AGENCIES & HUSD. AND IN NO CASE PRIOR TO 6:00 AM EACH WEEKDAY AND 8:00 AM ON WEEKENDS AND HOLIDAYS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALLOWABLE WORKING HOURS.
- 30. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR VENT, DUCT, CONDUIT SLEEVE PENETRATIONS, ETC. NOT SHOWN ON THE ARCHITECTURAL DRAWINGS.
- 31. CONTRACTOR SHALL NOT DRILL, CUT OR CORE DRILL ANY EXISTING FLOOR, WALL OR ROOF JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY INDICATED ON THE DSA APPROVED DRAWINGS OR PRIOR APPROVAL OBTAINED BY A.O.R. OR S.E.O.R. & DSA PRIOR TO COMMENCING SUCH WORK. AND SHALL MAKE OPENINGS OF PROPER SIZE FOR CONDUITS. DUCTS PIPES OR OTHER ITEMS PASSING THROUGH. DO NOT PROGRESS WITH SUCH WORK BEFORE FIRST SECURING THE CONCURRENCE AND APPROVAL OF THE STRUCTURAL ENGINEER AND/OR ARCHITECT & DSA, (UNLESS SPECIFICALLY INDICATED ON DSA APPROVED DRAWINGS) AND ALL PENETRATIONS CAUSED BY THIS WORK SHALL BE TREATED FOR A TIGHT SEAL BY THE CONTRACTOR USING A MATERIAL OF THE SAME INTEGRITY AS THE EXISTING PENETRATION. IF DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS, THEN REVIEW OF DETAILS TAKES PLACE BEFORE ANY WORK IS STARTED. APPROVAL BY ARCHITECT, STRUCTURAL ENGINEER AND ANY OTHER APPLICABLE AUTHORITY IS REQUIRED. WORK SHALL BE COORDINATED WITH SCHOOL SCHEDULE THROUGH THE CONSTRUCTION MANAGER.
- 32. CONTRACTORS SHALL REPAIR, PATCH AND FINISH OR REFINISH TO MATCH ADJACENT EXISTING FINISHES ON ANY NEW OR OLD STRUCTURES OR FINISHES WHICH ARE DAMAGED BY CUTTING, GRINDING, DRILLING, DEMOLITION OR OTHER MEANS DURING CONSTRUCTION.
- 33. WHERE CONDUIT, DUCTS, PIPES AND SIMILAR ITEMS ARE SHOWN TO BE INSTALLED IN EXISTING WALLS OR PARTITIONS, NEATLY CHASE THE WALLS OR PARTITIONS, INSTALL THE ITEMS, AND PATCH THE WALLS OR PARTITIONS. MAKE THE INSTALLATION INDISCERNIBLE IN THE FINISHED WORK. APPROVAL BY A.O.R. IS REQUIRED.
- 34. SEAL TIGHT AND PROTECT WITH FIRE SAVING NEW SLEEVES AND OPENINGS THROUGH FIRE RATED PARTITIONS.
- 35. WHERE "MATCH EXISTING" IS INDICATED, NEW CONSTRUCTION OR FINISHES ARE REQUIRED TO MATCH THE EXISTING PRODUCTS MATERIALS AND FINISHES.
- 36. PAINT ALL EXPOSED CONDUITS, METALS, PIPES, DUCTS, ETC. (U.O.N.). COLORS TO BE SELECTED BY THE ARCHITECT.
- 37. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS OF REQUIRED SIZES WHERE PLUMBING AND HEATING VALVES NEED TO BE ACCESSIBLE.
- 38. CONNECTIONS OF ALL DISSIMILAR METAL ITEMS SHALL BE FURNISHED WITH DIELECTRIC SEPARATORS. THE CONTRACTOR TO
- 39. WHERE WORK IS PERFORMED THAT AFFECTS EXISTING PAINT FINISHES, THE CONTRACTOR SHALL REPAINT AFFECTED AREA TO NEAREST CLEAR BREAK POINT OR WHERE NOTED BY A.O.R.
- 40. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BACKBOARDS, ELECTRICAL OUTLETS, CONDUITS, ETC. AS REQUIRED BY THE OWNER'S TELEPHONE COMPANY, TO ACCOMMODATE THEIR INSTALLATION.
- 41. ALL ELECTRICAL, PHONE, ELECTRONIC, MECHANICAL, PLUMBING AND OTHER LINES SHALL BE CONCEALED UNLESS OTHERWISE
- 42. NO THERMOSTATS SHALL BE LOCATED IN THE CENTER OF WALLS. OR IN ANY OTHER CONSPICUOUS LOCATIONS. WITHOUT THE

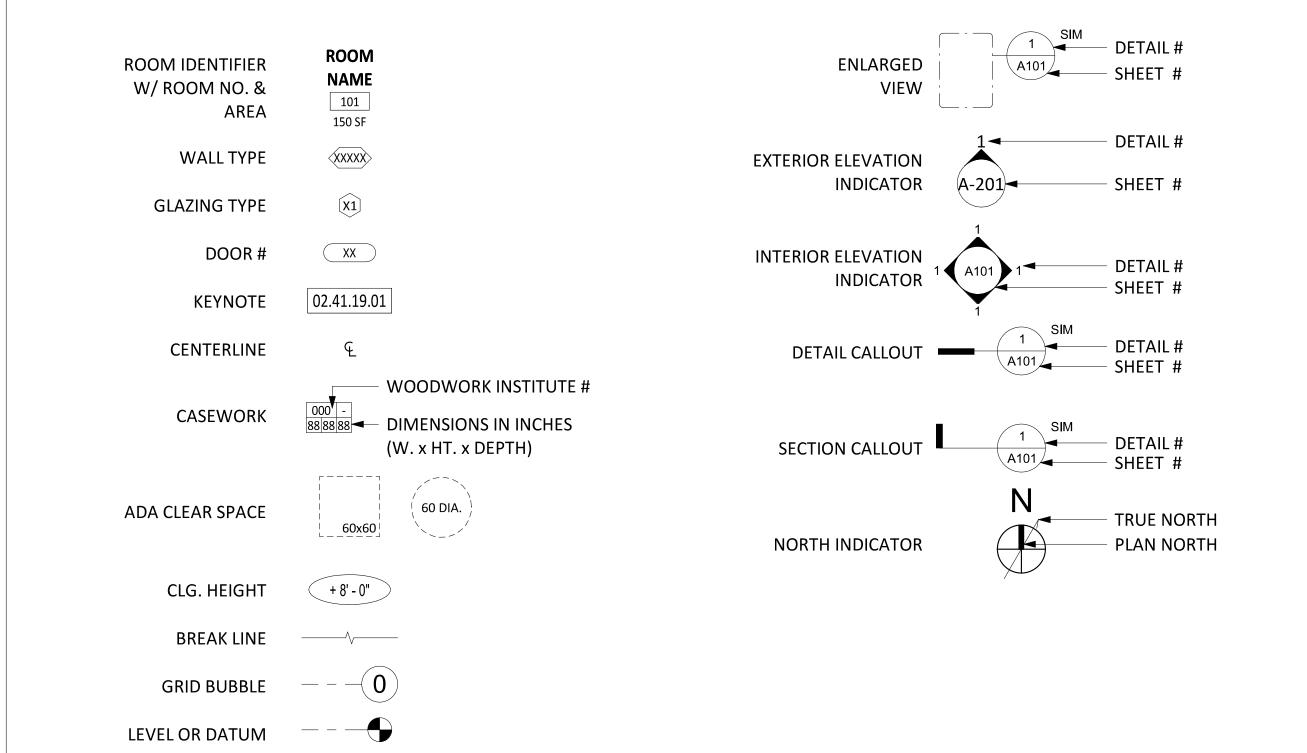
WRITTEN APPROVAL OF THE ARCHITECT.

- 43. ALL MECHANICAL. PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7, CHAPTER 13.
- 44. PROOF LOAD TEST FOR EXPANSION ANCHOR BOLTS, ALL CONCRETE ANCHOR BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL BE PROOF TESTED AS SPECIFIED IN CBC SECTION 1910A.5.7. IF THERE ARE ANY FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST ALSO BE TESTED. ALL TEST RESULTS MUST BE IMMEDIATELY REPORTED TO THE ARCHITECT, STRUCTURAL ENGINEER & DSA
- 45. EXIT SIGNS AND DIRECTIONAL SIGNS CONFORMING TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING TITLE 24, CCR SHALL BE PROVIDED.
- 46. FIXTURES REQUIRED FOR EXIT ILLUMINATIONS SHALL BE SUPPLIED FROM SEPARATE SOURCES OF POWER. THE POWER SUPPLY FOR EXIT ILLUMINATION SHALL BE PROVIDED BY THE PREMISES' WIRING SYSTEM U.O.N. IN THE EVENT OF ITS FAILURE, ILLUMINATION SHALL BE AUTOMATICALLY PROVIDED FROM AN EMERGENCY SYSTEM. ALL EXIT WAYS IN THE AREA OF WORK SHALL BE EQUIPPED WITH AN APPROVED EMERGENCY SYSTEM AND SHALL BE SUPPLIED FROM STORAGE BATTERIES OR AN ON-SITE GENERATOR SET AND THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRICAL CODE.
- 47. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL EFFORT OR KNOWLEDGE. FLUSH BOLTS OR SURFACE BOLTS ARE PROHIBITED, SPECIAL LOCKING DEVICES SHALL BE AN APPROVED TYPE ONLY.
- 48. ALL EXIT WAYS IN THE AREA OF WORK SHALL BE EQUIPPED WITH AN APPROVED EMERGENCY LIGHTING SYSTEM OF 5 FOOT-CANDLES OR MORE DESIGNED TO OPERATE WHEN THE BUILDING POWER SOURCE IS INTERRUPTED.
- 49. THE EQUIPMENT MANUFACTURER OR PRODUCT BRAND SPECIFIED IS USED AS A MEASURE OF QUALITY AND UTILITY OR AS A STANDARD. IF THE CONTRACTOR DESIRES TO MAKE A SUBSTITUTION, IT SHALL BE HIS OR HER RESPONSIBILITY TO PROVIDE PROOF THAT THE SUBSTITUTION IS OF EQUAL QUALITY. THE OWNER SHALL ACCEPT OR REJECT THE REQUEST FOR SUBSTITUTION AND THE DECISION SHALL BE FINAL. THE CONTRACTOR SHALL PROVIDE A LIST OF PROPOSED SUBSTITUTIONS DURING THE BID PERIOD OR PRIOR TO CONSTRUCTION.
- 50. WHEN REQUIRED, FIRE-RATED GYPSUM WALLBOARD AND/OR PLASTER WALL AND CEILINGS ARE BROKEN TO ANY EXTENT, THE DAMAGED GYPSUM WALLBOARD AND/OR PLASTER SHALL BE REPLACED OR RETURNED TO THE REQUIRED LEVEL OF FIRE RESISTANCE USING A LISTED REPAIR SYSTEM OR USING MATERIALS AND METHODS EQUIVALENT TO THE ORIGINAL CONSTRUCTION, AS PER CFC SECTION 703.1 (MAINTENANCE OF FIRE-RESISTIVE CONSTRUCTION) OR ANY OTHER APPLICABLE REGULATION.
- 51. CONTRACTOR IS TO VERITY ALL EXISTING DIMENSIONS WHERE NEW CONSTRUCTION IS DEPENDENT ON EXISTING DIMENSIONS, BEFORE COMMENCING WORK, AND TO IMMEDIATELY INFORM THE ARCHITECT OF ANY DISCREPANCIES OR ERRORS
- 52. ALL DEMOLITION SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS, INCLUDING CBC CH. 34 AND CFC CH. 14, AND THE LATEST PUBLISHED EDITION AND AMENDMENTS.
- 53. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR), LATEST ADOPTED PUBLISHED EDITION AND AMENDMENTS.
- 54. ALL WALL DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH.
- 55. PROVIDE BACKING FOR ALL WALL MOUNTED OR CEILING MOUNTED EQUIPMENT EVEN IF NOT NOTED. POSITIVE CONNECTION IS REQUIRED THROUGH OUT THE PROJECT.

ABBREVIATIONS

	NOTE:		(E) EA	EXISTING (EXIST.)	MAINT	MAINTENANCE	(SC)	SEALED CONCRETE
		REVIATIONS ARE USED		EACH	MATL(S)	MATERIAL(S)	SAT	SUSPENDED ACOUSTICAL TILE
	IN THIS PROJ	ECT	ED	EXIT DEVICE	MAX	MAXIMUM	SALV	SALVAGE
		DENIN/	EJ	EXPANSION JOINT	MB	MACHINE BOLT	SC	SOLID CORE
	d ,,	PENNY POLINIP OR ALLIMPER	EL	ELEVATION	MECH	MECHANICAL	SCD	SEE CIVIL DRAWINGS
	#	POUND OR NUMBER	ELEC (C)	ELECTRICAL	MEMB	MEMBRANE	SCHED	SCHEDULE
	~	APPROXIMATE	ELEV(S) EMER	ELEVATION(S) EMERGENCY	MEZZ MFR	MEZZANINE MANUFACTURER (MANUF.)	SCW SD	SOLID CORE WOOD SOAP DISPENSER
	AB	ANCHOR BOLT	ENCL	ENCLOSURE	MH	MANHOLE	SD SD	SMOKE DETECTOR
	AC	ASPHALTIC CONCRETE	ENL	ENLARGE (ENLARGED)	MIN	MINIMUM	SECT	SECTION
	A/C	AIR CONDITIONING	ENT	ENTRANCE	MISC	MISCELLANEOUS	SED	SEE ELECTRICAL DRAWINGS
	ACC	ACCESSIBLE	EQ	EQUAL	MTD	MOUNTED	SF	SQUARE FEET
	ACOUS	ACOUSTICAL	EQUIP	EQUIPMENT	MTG	MEETING	SFPD	SEE FIRE PROTECTION DWG(S)
	ACS PNL	ACCESS PANEL	ES	EACH SIDE	MTL	METAL	SHT	SHEET
	ACST	ACOUSTIC	EW	EACH WAY	MTLP	METAL PARTITION	SIM	SIMILAR
	ACT	ACOUSTICAL CEILING TILE	EXH	EXHAUST			SL	SLOPE
	ADA	AMERICANS WITH DISABILITES ACT	EXP	EXPANSION	(N)	NEW	SLD	SEE LANDSCAPE DRAWINGS
	ADDL	ADDITIONAL	EXP BT	EXPANSION BOLT	NIC	NOT IN CONTRACT	SLNT	SEALANT
	ADH	ADHESIVE	EXT	EXTERIOR	NO	NUMBER	SMD	SEE MECHANICAL DRAWINGS
	ADJ ADM I N	ADJUSTABLE ADMINISTRATION	EXTIR	EXTINGUISHER	NOM NPS	NOMINAL NOMINAL PIPE SIZE	SMS SND	SHEET METAL SCREWS SANITARY NAPKIN DISPENSER
	AFF	ABOVE FINISH(ED) FLOOR	FA	FIRE ALARM	NTS	NOT TO SCALE	SNR	SANITARY NAPKIN DISPENSER SANITARY NAPKIN RECEPTACLE
	AGGR	AGGREGATE	FD	FLOOR DRAIN	NIO	NOT TO SCALE	SPD	SEE PLUMBING DRAWINGS
	AHJ	AUTHORITY HAVING JURISDICTION	FDTN	FOUNDATION	0/	OVER	SPEC	SPECIFICATION
	ALT	ALTERNATE	FE	FIRE EXTINGUISHER	OC	ON CENTER	SPKLR	SPRINKLER
	ALUM	ALUMINUM	FEC	FIRE EXTINGUISHER CABINET	OCC	OCCUPANT(S)	SQ	SQUARE
,	ALW	ALLOWANCE	FFE	FURN. FIXT. & EQUIPMENT	OFD	OVERFLOW DRAIN	SS	SANITARY SEWER
	ANOD	ANODIZED	FHC	FIRE HOSE CABINET	OFF	OFFICE	SSD	SEE STRUCTURAL DRAWINGS
'	APPROX	APPROXIMATE (~)	FHMS	FLAT HEAD MACHINE SCREW	OF/CI	OWNER FURNISHED &	SST	STAINLESS STEEL
	ARCH	ARCHITECT (ARCHITECTURAL)	FHWS	FLAT HEAD WOOD SCREW		CONTRACTOR INSTALLED	STC	SOUND TRANSMISSION CLASS
	ASPH	ASPHALT	FIN	FINISH	OH	OVERHEAD	STD	STANDARD
	BD	BOARD	FIN FLR FIXT	FINISHED FLOOR FIXTURE	OL OPNG	OCCUPANT LOAD OPENING	STDNT STL	STUDENT STEEL
	BFF	BELOW FINISHED FLOOR	FLOUR	FLOURESCENT	UPNG	OFEINING	STOR	STEEL STORAGE
	BITUM	BITUMINOUS	FLEX	FLEXIBLE	Р	PAINT	STRUCT	STRUCTURAL
	BLDG	BUILDING	FLR	FLOOR	PA	PUBLIC ADDRESS	SUSP	SUSPENSION (SUSPENDED)
	BLK(G)	BLOCK (BLOCKING)	FLRG	FLOORING	PA	PLANTING AREA	SVCE	SERVICE
	BM	BEAM	FO	FACE OF	PERIM	PERIMETER	SYM	SYMBOL
	ВО	BOTTOM OF	FP	FIRE PROTECTION	PFN	PREFINISH(ED)		
	ВОТ	BOTTOM	FR	FIRE RATED	PI	PAPER INSERT	(T) T	TEMPERED
	BSMT	BASEMENT	FRIG	REFRIGERATOR	PH	PANIC HARDWARE		TREAD
	BTWN	BETWEEN	FRMG	FRAMING FOOT OR FEET	PHS	PHILLIPS HEAD SCREW PLATE	T&B	TOP AND BOTTOM TONGUE AND GROOVE
	BUR B/W	BUILT-UP ROOFING BETWEEN	FT FTG	FOOTING	PL PLAM	PLASTIC LAMINATE	T&G TAC	TONGUE AND GROOVE TACTILE
	D/ VV	DETWEEN	FURN	FURNITURE	PLAS	PLASTIC LAWINATE	TEL	TELEPHONE
	С	CONDUIT	TORN	TORRITORE	PLYWD	PLYWOOD	TER	TERRAZZO
	CAB(S)	CABINET(S)	GA	GAGE	PNL	PANEL	THK	THICK
	CB	CATCH BÀŚIN	GALV	GALVANIZED	POLY	POLYCARBONATE	THRES	THRESHOLD
	CBB	CEMENTITIOUS (BACKER) BOARD	GB	GRAB BAR	POT	[ACCESSIBLE] PATH OF TRAVEL	TMPD	TEMPERED
	CD	CONTRACT DOCUMENTS	GEN	GENERAL	PR	PAIR	TO	TOP OF
	CER	CERAMIC	GFRC	GLASS-FIBER-REINF. CONC.	PRCST	PRECAST	TOC	TOP OF CONCRETE
	CG	CORNER GUARD	GL	GLASS	PREFAB	PREFABRICATED	TOP	TOP OF PARAPET
	CJ CL	CONTROL JOINT CENTER LINE	GND GR	GROUND GROSS (UNIT)	PREP PT	PREPARATION PRESSURE TREATED	TOS TOW	TOP OF STEEL TOP OF WALL
	CLG	CEILING	GSM	GALVANIZED SHEET METAL	PTD	PAINTED	TPD	TOILET PAPER DISPENSER
	CLO	CLOSET	GYP	GYPSUM	PTD	PAPER TOWEL DISPENSER	TRN	TRANSPARENT
	CLR	CLEAR			PTD/R	PAPER TOWEL DISPENSER & RECEP.	TS	TUBE STEEL
,	CLR ANOD	CLEAR ANODIZED	HB	HOSE BIBB	PTN(S)	PARTITION(S)	TSCD	TOILET SEAT COVER DISPENSER
	CLRM	CLASSROOM	HC	HOLLOW CORE	PVC	POLYVINYL CHLORIDE	TWS	TACKABLE WALL SURFACE
	CMU	CONCRETE MASONRY UNIT	HDR	HEADER		0111771/5" -	TYP	TYPICAL
	CO(S)	CLEAN-OUT(S)	HDW	HARDWARE	QT OTV	QUARRY TILE		HAIFINIOUED
	COL	COLUMN	HDWD	HARDWOOD	QTY	QUANTITY	UNFIN	UNFINISHED UNIVERSITY
	COMM CONC	TELECOMMUNICATION CONCRETE	HM HNDRL	HOLLOW METAL HANDRAIL	R	RISER	UNI UON	UNIVERSITY UNLESS OTHERWISE NOTED
	CONF	CONCRETE	HORIZ	HORIZONTAL	R	RADIUS	UR	URINAL
	CONN	CONNECTION	HR	HOUR	RR	RESTROOM	J.,	- · · · · · · ·
	CONSTR	CONSTRUCTION	HT	HEIGHT	R&R	REMOVE AND REPLACE	VCT	VINYL COMPOSITION TILE
	CONT	CONTINUOUS	HVAC	HEATING, VENTILATING AND	RBR	RUBBER	VERT	VERTICAL
	CONTR	CONTRACTOR		AIR CONDITIONING	RCP	REFLECTED CEILING PLAN	VIF	VERIFY IN FIELD
	COORD	COORDINATE	IN 4D (C)	IMPROVEMENTACY	RD	ROOF DRAIN	VWC	VINYL WALL COVERING
	CORR	CORRIDOR CARPET	IMP(S)	IMPROVEMENT(S)	REBAR REF	REINFORCING STEEL BARS	۱۸/	WIDTH
	CPT CSK	COUNTER SUNK	IN INCL	INCH INCLUDING/INCLUDED	REINF	REFERENCE REINFORCED	W W/	WIDTH WITH
	CSK	CERAMIC TILE	INCL	INFORMATION	RELOC	RELOCATE/RELOCATABLE	W/O	WITHOUT
	CTR	CENTER	INSUL	INSULATION	REQD	REQUIRED	WC	WALL COVERING
	· • • •	•	INT	INTERIOR	REV	REVISION	WD	WOOD
	D	DEPTH			RM	ROOM		
	DBL	DOUBLE	JAN	JANITOR	RO	ROUGH OPENING		
	DEMO	DEMOLITION	JST	JOIST	RWD	REDWOOD		
D	DET(S)	DETAIL(S)	JT	JOINT	RWL	RAIN WATER LEADER		
-	DF	DRINKING FOUNTAIN	VD.	KNOCK DOWN				
	DIA DIM(S)	DIAMETER DIMENSION(S)	KD KIT	KNOCK-DOWN KITCHEN				
	DISP	DISPENSER	IXII	MICHEN				
	DN	DOWN	L	LENGTH				
	DR	DOOR	LAB	LABORATORY				
	DR OPNG	DOOR OPENING	LAM	LAMINATE				
	DS	DOWNSPOUT	LAV	LAVORATORY				
	DTL	DETAIL DETAIL	LB	LAG BOLT				
	DWG(S)	DRAWING(S)	LF LNCE	LINEAR FEET				
			LNGE LSC	LOUNGE LAY IN SUSPENDED CEILING				
			LTG	LIGHTING				
			210	_101111110				

SYMBOL LEGEND

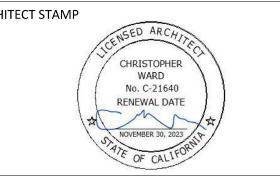


IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-123271 INC: REVIEWED FOR SS ☐ FLS ☑ ACS ☑ DATE: 06/02/2023

LISTEN COLLABORATE CREATE

610 E. FRANKLIN AVENUE EL SEGUNDO, CA 90245 [T]: 310.821.9200 www.csdadesigngroup.com

ARCHITECT STAMP



PROJECT OWNER:



ARROYO HIGH SCHOOL - EXTERIOR SHELTERS

4921 CEDAR AVE, EL MONTE, CA 91732

AUTHORITY APPROVAL:

1	07/15/22	DESIGN DEVELOPMENT
2	02/20/23	DISTRICT REVIEW 50%
3	03/01/23	DISTRICT REVIEW 100%
ļ	04/25/23	DSA OTC
	•	
Р	ROJECT NO.:	21096.01
5	HEET TITLE:	

DESCRIPTION

SHEET NO.:

GENERAL NOTES,

ABBREVIATIONS, &

SYMBOL LEGEND

MDSA

PROJECT INFORMATION

810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

Sch	nool District/Owner:	El Monte Unified High School District					
Pro	oject Name/School:	Arroyo High School					
Pro	eject Address:	4921 Cedar Ave, El Monte, CA 91732					
FIR	RE & LIFE SAFETY IN	FORMATION					
1.	Has a fire hydrant flo	ow test been performed within the past 12 months?	Yes □		No 🖸		
	(If yes, provide a co	py of the test data.)					
2.	Was the fire hydrant review?	water flow test performed as part of this LFA	Yes □	No 🖻			
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)						
	Refer to the followin http://egis.fire.ca.go	g website for FHSZ locations: v/FHSZ/	Moderate □	High □	Very High		
	Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)						

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

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

School District Acceptance of Acceptable Design Alternates

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



/ROOM/ /ROOM/ A12231/ ∫∠A12231∕ BASEBALL FIELD (E) THEATER /A30377 (E) FIRE TRUCK ACCESS PER APP # 03-112915 ADMINISTRATION / UNIT A $\times \times \times \times$ ´,CAFETERIA ´ /A12231 STUDENT CENTER UNIT L CAREER CENTER A12231 FOUNTAIN A# 107693 **BLEACHERS** SOCCER FIELD / TRACK & FIELD BLEACHERS___ BUSINESS BUILDING UNIT B /_CLASSROOMS/_ /classrooms/ PARKING LOT #1 _____A12231/A14662<u>_____</u> ∠∕_A13542∕_/ ____A12231___ CLASSROOMS TOILET RR CLASSROOMS CLASSROOMS A12231 ´,CLASSROOMS´ / <u>E02</u> /CLASSROOM UNIT C/ <u>E03</u> <u>/</u>A12231/A14662<u>/</u> MEDIA CENTER _A13542<u>/</u>_ \angle , $\mathsf{BUILDING}$ P^\prime , _____B/G RR _____ (E) FIRE TRUCK ACCESS PER APP # 03-112915 TRAINING _A12231/A14662 -A16527 imesEXISTINGimesCLASSROOMS EXISTING DRIVE THRU _A15051 PARKING LOCLASSROOMS CLASSROOMS CLASSROOMS CLASSROOMS (E) ACCESSIBLE RECYCLING PÁRKING FROM A15051

APP. #03-107693

´,CLASSROOMS´

(E) FIRE HYDRANT APP # 03-112915 ACCESSIBLE PATH OF TRAVEL FROM THIS

RESTROOMS, & DRINKING FOUNTAINS PER DSA

LOCKER

APPLICATION #03-108334 AND #03-112915

LOCATION TO ACCESSIBLE PARKING,

OVERALL SITE PLAN - FIRE LIFE SAFETY
1" = 80'-0"

SHEET NOTES

- 1. USE A "NON CASE HARDENED LOCK" AT VECHULAR ENTRY GATES.
- 2. EXISTING KNOX BOXES AT VEHICULAR ENTRY GATES, PEDESTRIAN GATES, AND MAIN ENTRY TO MPR AND GYM BUILDINGS.
- 3. FIRE DEPARTMENT VEHICULAR ACCESS ROADS MUST BE INSTALLED AND MAINTAINED IN A SERVICABLE MANNER PRIOR TO AND DURING THE TIME OF CONSTRUCTUION. FIRE CODE 501.4.
- 4. BUILDING ADDRESS NUMBERS SHALL BE PROVIDED AND MAINTAINED SO AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET FRONTING THE PROPERTYY. THE NUMBERS SHALL BE MINIMUM 4" HIGH WITH A STROKE WIDTH ON 1/2". FIRE CODE 505.1
- 5. FIRE ACCESS ENTRANCE SIGNAGE BOTTOM OF SIGN MUST BE A MINIMUM OF 8'-6" ABOVE GRADE. SIGN SHALL NOT BE LESS THAN 17" X 22" WITH LETTERING NOT LESS THAN 1" IN HEIGHT.

SIGN SHALL READ;

NO PARKING - DESIGNATED FIRE LANE. VIOLATERS WILL BE CITED VEHICLES PARKED IN VIOLATION WILL BE TOWED AWAY AT OWNER'S EXPENSE. SIGN SHALL ALSO CONTAIN THE TELEPHONE NUMBER OF THE LOS ANGELES POLICE DEPARTMENT.

6. ON SITE VEHICULAR GATES IN THE FIRELANES SHALL BE KEPT OPEN DURING OFF HOURS. PROVIDE SIGNAGE AT GATE - BOTTOM OF SIGN SHALL NOT BE LESS THAN 17" X 22" WITH LETTERING NOT LESS THAN 1" IN HEIGHT.

SIGN SHALL READ;
THIS GATE TO REMAIN OPEN WHEN STUDENTS ARE NOT PRESENT ON CAMPUS

LEGEND

(E) GREENHOUSE
DSA APPLICATION

#03-122086

(E) TENNIS COURTS

(E) ASPHALT

(E) CONCRETE

PAVING

ALS SIGN-SEE DET.

(E) GRASS & D&G

(E) PRACTICE

∕(E) GYMNASIUM∕

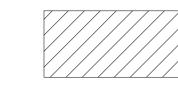
_CLASSROOMS/

_A108334´

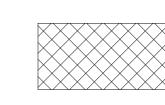
KINGS ROW

 \angle LOCKER \angle

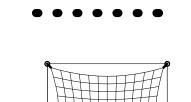
(ACCESS ONLY)



EXISTING BUILDING



(E) FIRE TRUCK ACCESS LANE



(E) GATE 20' WIDE PROVIDE APPROVED

ATTACHED TO FENCE

 \rightarrow (E) FIRE TRUCK PARKING

KNOX BOX

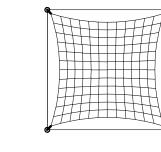
(E) FIRE

APP#

HYDRANT

03-112915

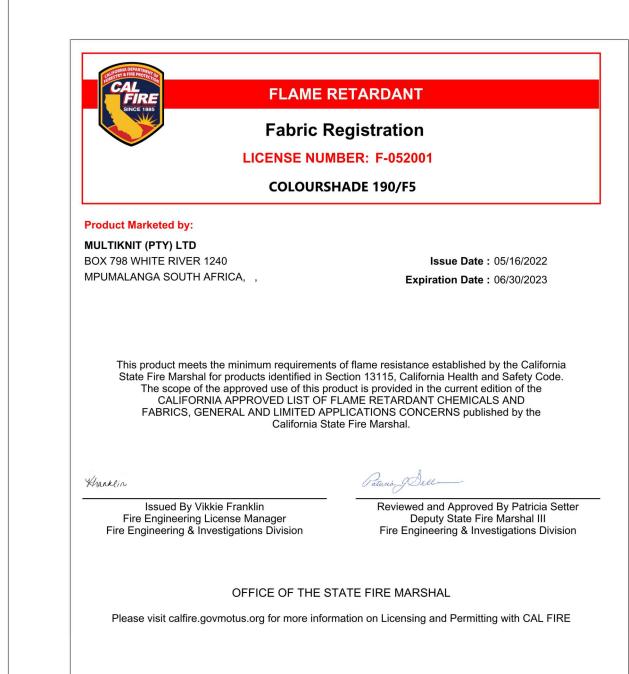
PATH OF TRAVEL



(N) 20' X 20' SHADE STRUCTURE PER PC-04-119455



(E) FIRE HYDRANT



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 03-123271 INC:

REVIEWED FOR

SS FLS ACS D

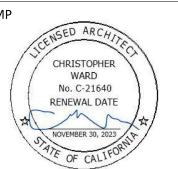
DATE: 06/02/2023

SDA DESIGN

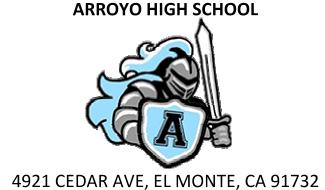
LISTEN COLLABORATE CREATE

610 E. FRANKLIN AVENUE EL SEGUNDO, CA 90245 [T]: 310.821.9200 www.csdadesigngroup.com

ARCHITECT STAMP



PROJECT OWNER:



PROJECT NAME:

ARROYO HIGH SCHOOL - EXTERIOR SHELTERS

4921 CEDAR AVE, EL MONTE, CA 91732

AUTHORITY APPROVAL:

MARK	DATE	DESCRIPTION
1	07/15/22	DESIGN DEVELOPMENT
2	02/20/23	DISTRICT REVIEW 50%
3	03/01/23	DISTRICT REVIEW 100%
4	04/25/23	DSA OTC
PRO	JECT NO.:	21096.0

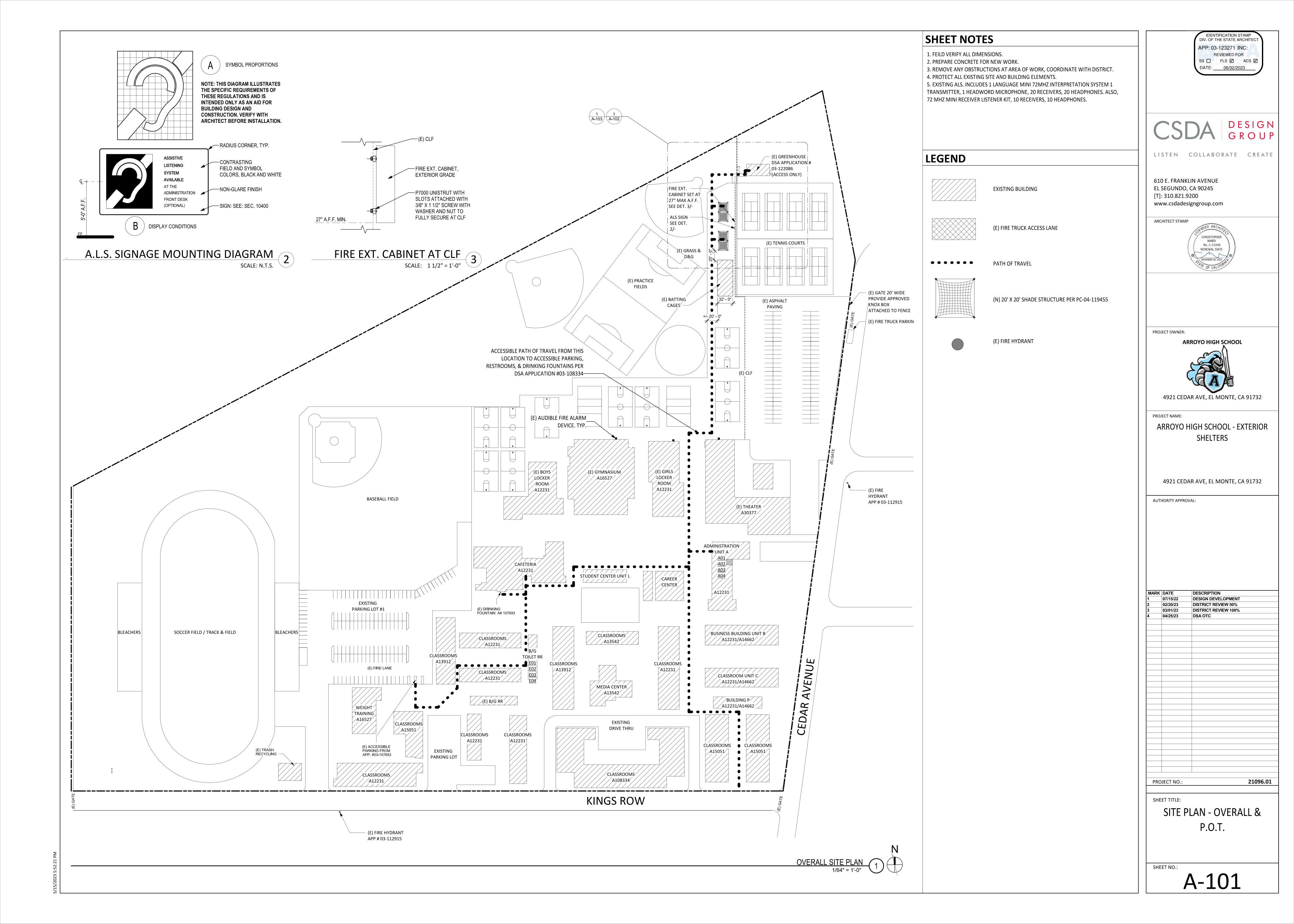
FIRE LIFE SAFETY SITE PLAN

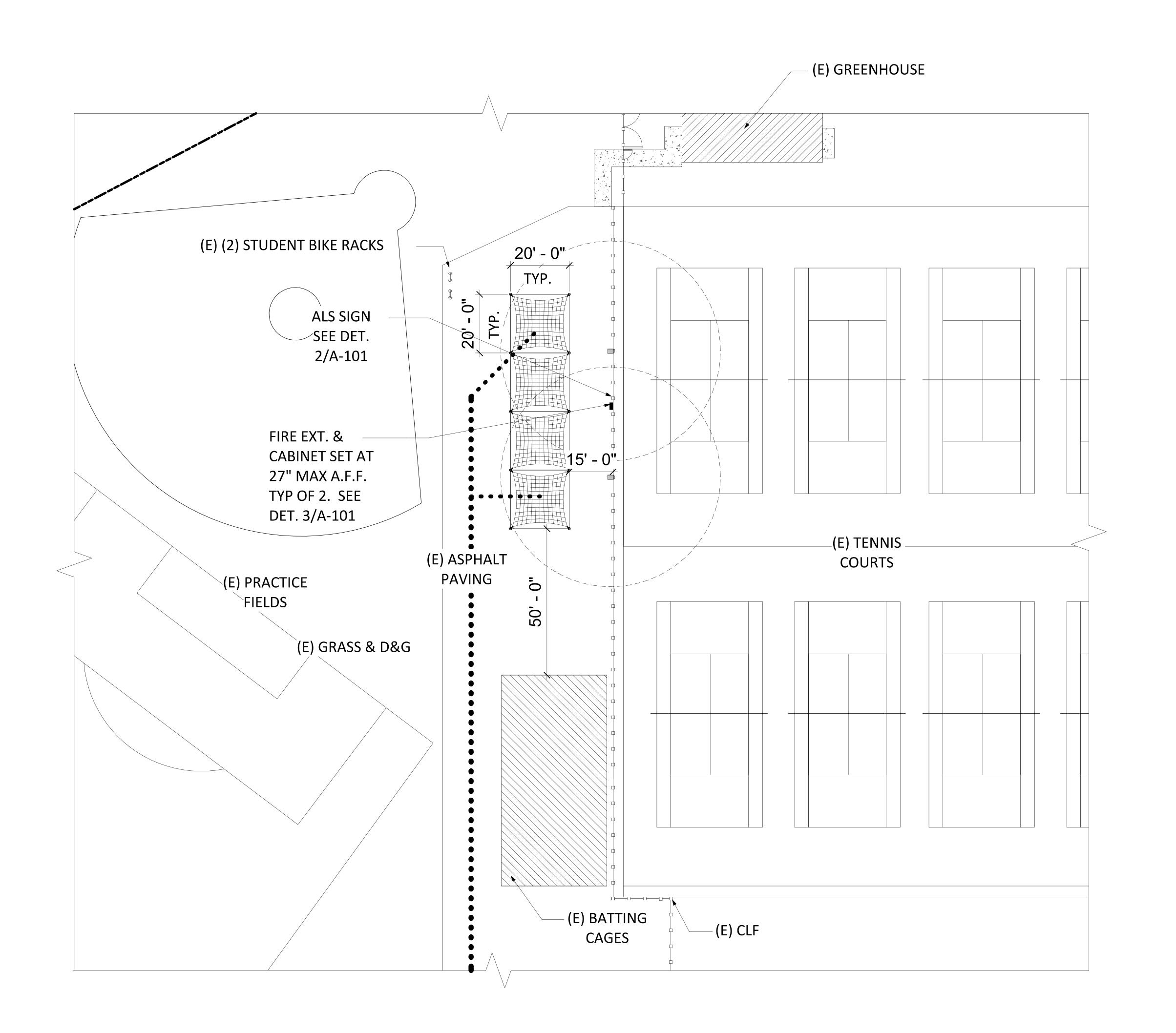
SHEET NO :

SHEET TITLE:

G-003

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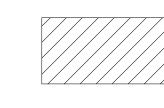




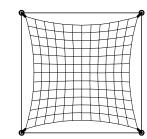
SHEET NOTES

- 1. FEILD VERIFY ALL DIMENSIONS.
- 2. PREPARE CONCRETE/ASPHALT PAVING FOR NEW WORK.
- 3. REMOVE ANY OBSTRUCTIONS AT AREA OF WORK, COORDINATE WITH DISTRICT.
- 4. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS. 5. EXISTING ALS. INCLUDES 1 LANGUAGE MINI 72MHZ INTERPRETATION SYSTEM 1
- TRANSMITTER, 1 HEADWORD MICROPHONE, 20 RECEIVERS, 20 HEADPHONES. ALSO, 72 MHZ MINI RECEIVER LISTENER KIT, 10 RECEIVERS, 10 HEADPHONES.

LEGEND



(E) EXISTING



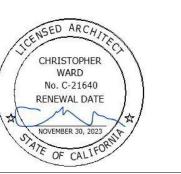
(N) 20' X 20' SHADE STRUCTURE PER PC-04-119455

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-123271 INC: REVIEWED FOR SS | FLS ACS ACS DATE: 06/02/2023

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ARCHITECT STAMP



PROJECT OWNER:



4921 CEDAR AVE, EL MONTE, CA 91732

ARROYO HIGH SCHOOL - EXTERIOR SHELTERS

4921 CEDAR AVE, EL MONTE, CA 91732

AUTHORITY APPROVAL:

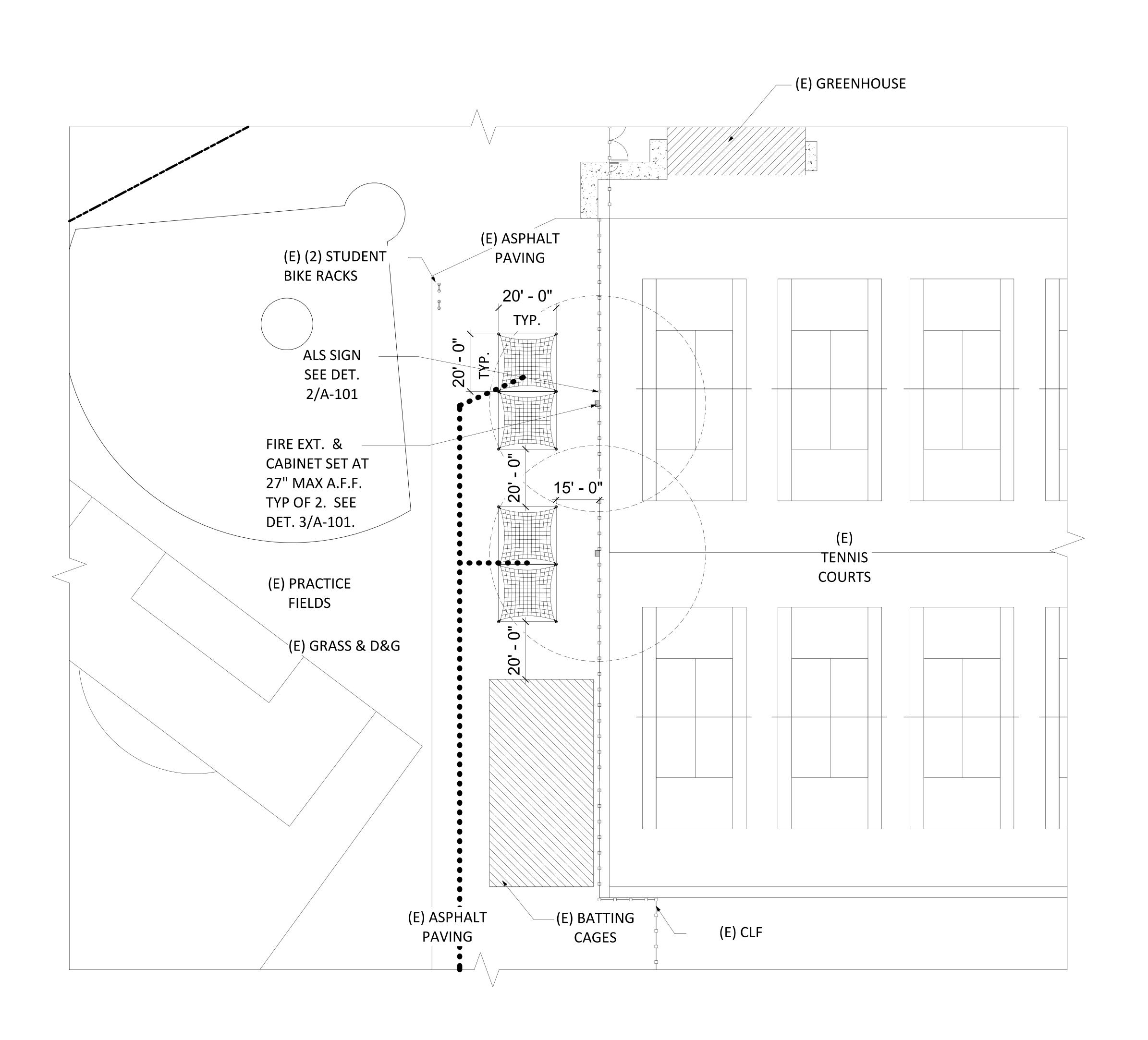
IARK	DATE	DESCRIPTION
	07/15/22	DESIGN DEVELOPMENT
	02/20/23	DISTRICT REVIEW 50%
	03/01/23	DISTRICT REVIEW 100%
	04/25/23	DSA OTC
	•	
PRC	JECT NO.:	21096.01

SITE PLAN - EXTERIOR SHELTERS OPTION 1

A-102

EXTERIOR SHELTERS OPT. 1

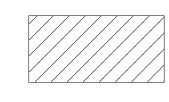
1/16" = 1'-0"



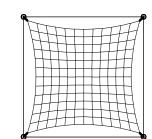
SHEET NOTES

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- 2. PREPARE CONCRETE/ASPHALT PAVING FOR NEW WORK.
- 3. REMOVE ANY OBSTRUCTIONS AT AREA OF WORK, COORDINATE WITH DISTRICT.
- 4. PROTECT ALL EXISTING SITE AND BUILDING ELEMENTS.
- 5. EXISTING ALS. INCLUDES 1 LANGUAGE MINI 72MHZ INTERPRETATION SYSTEM 1 TRANSMITTER, 1 HEADWORD MICROPHONE, 20 RECEIVERS, 20 HEADPHONES. ALSO, 72 MHZ MINI RECEIVER LISTENER KIT, 10 RECEIVERS, 10 HEADPHONES.

LEGEND



(E) EXISTING



(N) 20' X 20' SHADE STRUCTURE PER PC-04-119455

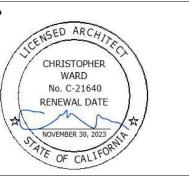
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-123271 INC: REVIEWED FOR SS | FLS ACS ACS DATE: <u>06/02/2023</u>

DA DESIGN GROUP

LISTEN COLLABORATE CREATE

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ARCHITECT STAMP



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3	03/01/23	DISTRICT REVIEW 100%
4	04/25/23	DSA OTC
PRC	JECT NO.:	21096.01

SITE PLAN - EXTERIOR **SHELTER OPTION 2**

A-103



FABRIC SHADE STRUCTURE DSA P.C. 04-119455

SITE SPECIFIC APPLICATION SITE PLAN SHALL INCLUDE:

- 1. ACTUAL DIMENSIONS OF SHADE STRUCTURES.
- 2. DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR **ACTUAL PROPERTY LINES.**
- 3. PROVIDE CODE ANALYSIS INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTION (V-B). INDICATE OCCUPANT LOAD FACTOR per 2019 CBC, SECTION 1004.
- 4. INDICATE LOCATIONS OF FIRE EXTINGUISHER WITHIN 75 FEET.
- 5. SHOW LOCATIONS OF AUDIBLE FIRE ALARM.
- 6. INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. MINIMUM DIMENSION OF 20' FOR SNOW LOAD MODEL (ASCE 7-16).
- ACTUAL SITE ELEVATION (FT.) TO DETERMINE SITE OCCURS AT OR BELOW THE UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16 (FOR SNOW LOAD MODEL).
- 8. FOR RECESSED BASE PLATE (RBP) OPTION: ARCHITECT/ENGINEER OF RECORD TO SPECIFY THE LOWEST ANTICIPATED SERVICE TEMPERATURE (LAST). AS DEFINED IN AISC 341-10 SECTION A.3.4b, A4.1 AND A4.2 PER NOTE ON EACH INDIVIDUAL MODEL ENGINEERING DRAWING WHICH RELATES TO DEMAND CRITICAL WELD AND "L.A.S.T." TEMPERATURE (EITHER STRUCTURAL STEEL NOTE #14).
- COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC SIZE OF SHADE STRUCTURE.
- 10. ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES "A, B & C" RESPECTIVELY IN ASCE 19-16, "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS,"
- 11. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

GENERAL NOTES

12. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-123271 INC: REVIEWED FOR SS FLS ACS

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



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

El Monte Union HS District

PROJECT NAME:

El Monte High School

IV. OF THE STATE ARC

SCALE: VARIES

PRE-CHECK (PC)

A separate project application for construction is required.

09/18/20

09/18/20

09/18/20

LOCATION:

3048 Tyler Ave. El Monte, CA 91731 MODEL NUMBER:

SITE SPECIFIC APPLICATION TITLE SHEET SHALL INCLUDE:

PARTIAL LIST OF APPLICABLE CODES

- 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS
- 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
- (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS • 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
- 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R. (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R. 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- 2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC, PART 2, CHAPTER 35)
- NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES C.C.R. 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)	2016 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS	2016 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND	
	THEIR APPURTENANCES	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2016 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 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
UL521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 (R2010)
ICC 300	SANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING	
	AND GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

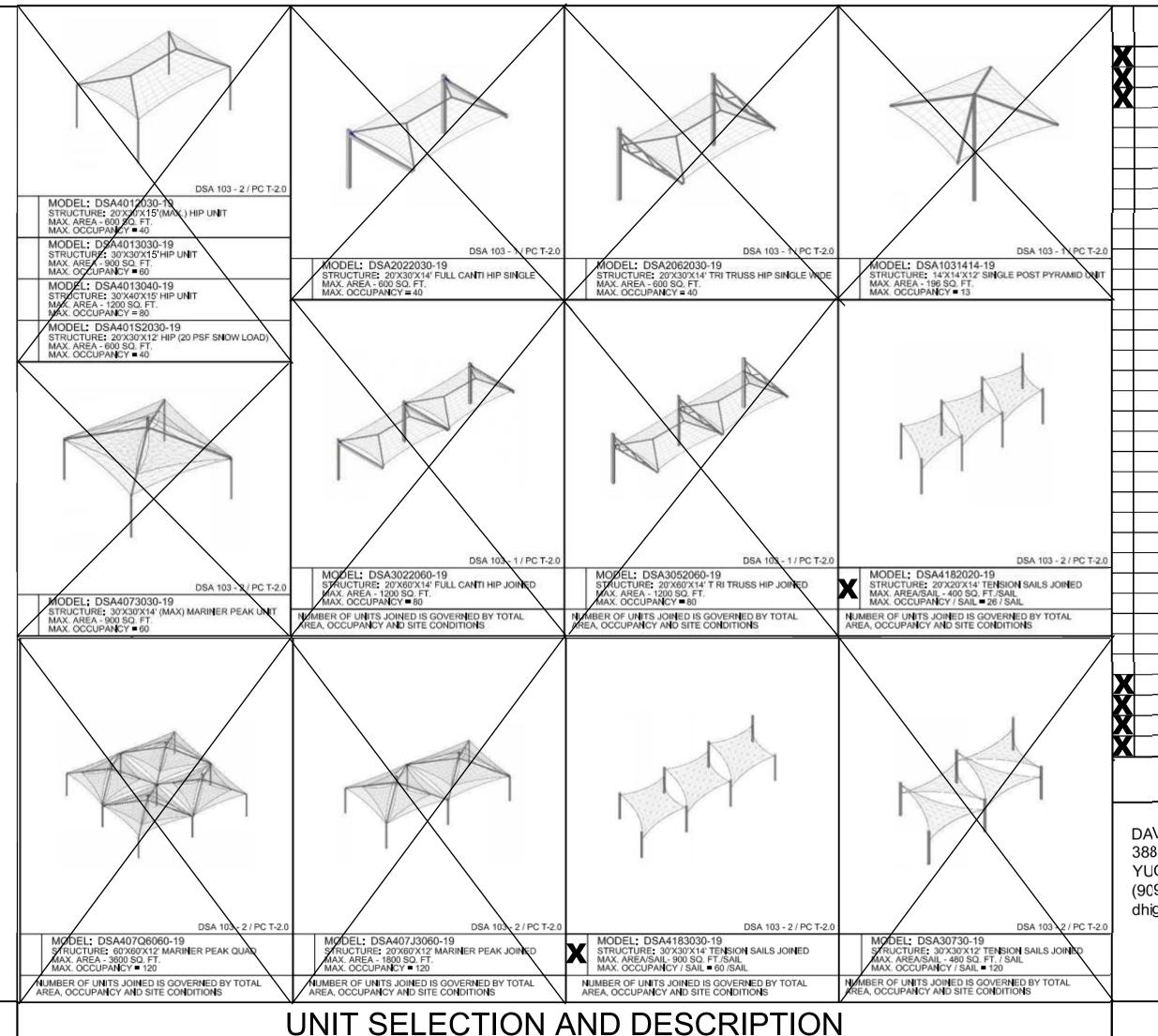
SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.

ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24,

CALIFORNIA CODE OF REGULATIONS (C.C.R.).

ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 -FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

BUILDING CODE DATA



DRAWING DESCRIPTION STRUCTURE TYPE SIZE NUMBER P.C. T-1.0 P.C. TITLE SHEET P.C. T-2.0 DSA 103 SAMPLE FORM P.C. T-2.1 DSA 103 SAMPLE FORM DSA 103 SAMPLE FORM P.C. T-3.1 DSA 103 SAMPLE FORM PRODUCT INFORMATION **STRUCTURE TYPE:** 20 X 30 2.1-1000 PRODUCT INFORMATION 30 X 30 DSA4013030-19 **REACTIONS** 30 X 30 2.2-2000 DSA4013030-19 3.1-1000 PRODUCT INFORMATION 30 X 40 DSA4013040-19 3.2-2000 DSA4013040-19 DSA401S2030-19 4.1-1000 PRODUCT INFORMATION HIP (20# SNOW LOAD) 20 X 30 DSA401S2030-19 HIP (20# SNOW LOAD) 4.2-2000 20 X 30 5.1-1000 PRODUCT INFORMATION SINGLE POST PYRAMID DSA1031414-19 SINGLE POST PYRAMID REACTIONS 14 X 14 DSA1031414-19 5.2-2000 6.1-1000 PRODUCT INFORMATION 6.2-2000 30 X 30 PRODUCT INFORMATION 7 1-1000 JOINED MARINER 30 X 200 DSA407J3060-19 DSA407J3060-19 REACTIONS JOINED MARINER 7.2-2000 30 X 200 8.1-1000 PRODUCT INFORMATION **QUAD MARINER** 60 X 60 DSA407Q6060-19 DSA407Q6060-19 60 X 60 8.2-2000 REACTIONS QUAD MARINER 9.1-1000 PRODUCT INFORMATION FULL CANTILEVER 20 X 30 DSA2022030-19 9.2-2000 **REACTIONS FULL CANTILEVER** 20 X 30 10.1-1000 PRODUCT INFORMATION FULL CANTILEVER JOINED 20 X 300 FULL CANTILEVER JOINED 10.2-2000 REACTIONS 20 X 300 DSA3022060-19 PRODUCT INFORMATION TRI TRUSS CANTILEVER 20 X 30 DSA2062030-19 11.2-2000 REACTIONS TRI TRUSS CANTILEVER 20 X 30 DSA2062030-19 PRODUCT INFORMATION TRI TRUSS CANTILEVER JOINED 12.1-1000 20 X 300 DSA3052060-19 12.2-2000 **REACTIONS** TRI TRUSS CANTILEVER JOINED 20 X 300 DSA3052060-19 PRODUCT INFORMATION THREE POINT SAILS 30 X 200 13.1-1000 DSA30730-19 THREE POINT SAILS 13.2-2000 30 X 200 14.1-1000 PRODUCT INFORMATION FOUR-POINT SAILS 20 X 300 DSA4182020-19 FOUR-POINT SAILS 15.1-1000 PRODUCT INFORMATION FOUR POINT SAILS 30 X 200 REACTIONS FOUR POINT SAILS 15.2-2000 DSA4183030-19

SHEET INDEX - P.C. DRAWINGS

DAVID HIGGINSON, AIA, ARCHITECT 38868 BUTTERFLY DRIVE YUCAIPA, CA 92399 (909) 499-0058 dhigginson.arch@gmail.com



ARCHITECT OF RECORD

MARK LOWE, S.E. STRUCTURAL ENGINEER 19471 MISTY RIDGE LANE

TRABUCO CANYON, CALIFORNIA 92367 PH. 949-400-1265 malowe@me.com



ENGINEER OF RECORD

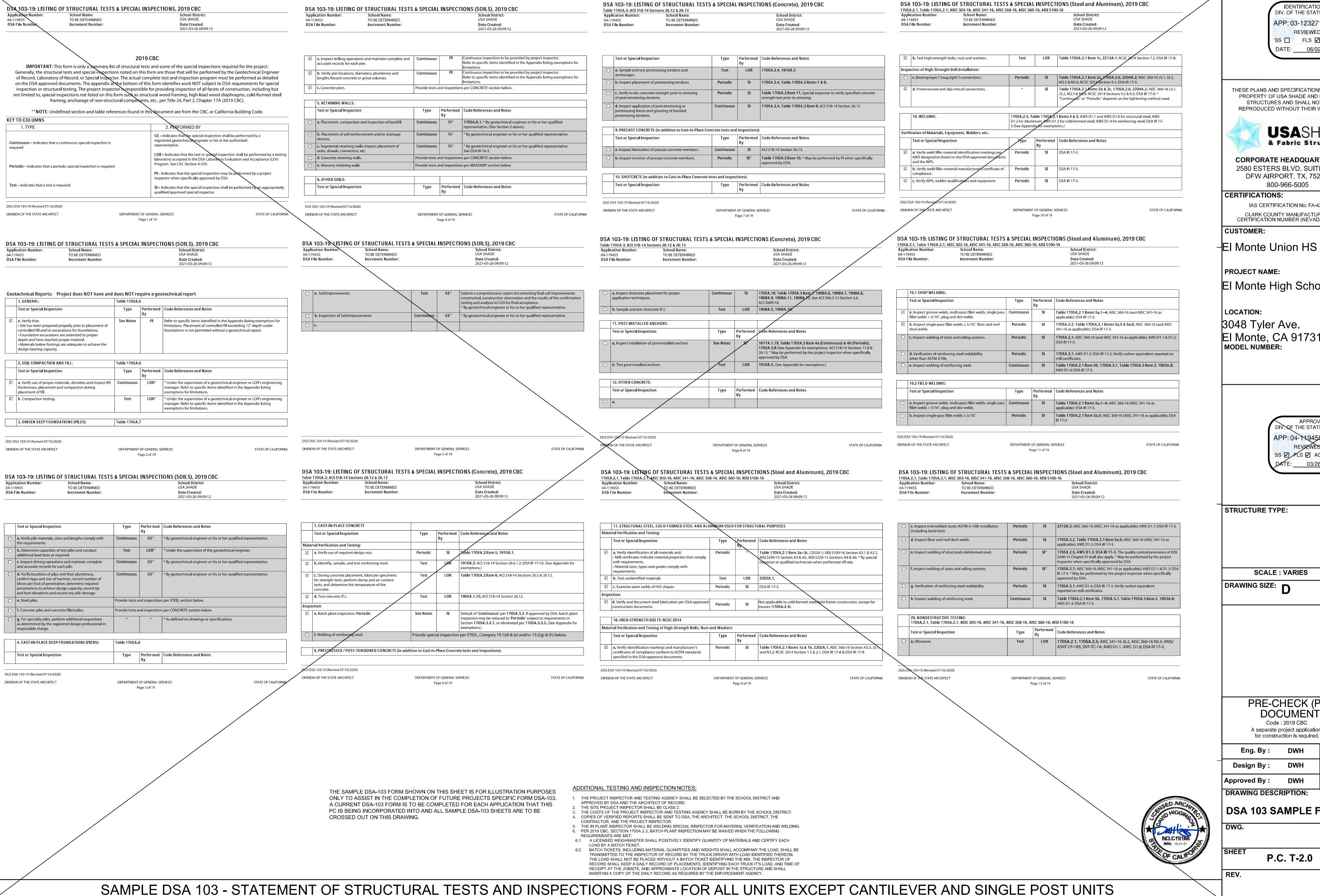
P.C. TITLE SHEET DWG.

Eng. By:

Design By:

P.C. T-1.0

DRAWING DESCRIPTION:



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-123271 INC: REVIEWED FOR SS ☐ FLS ☑ ACS ☑ DATE:

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



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

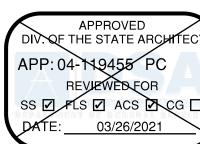
IAS CERTIFICATION No: FA-428 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

-lEl Monte Union HS District

PROJECT NAME:

El Monte High School

3048 Tyler Ave. El Monte, CA 91731 **MODEL NUMBER:**



SCALE: VARIES

PRE-CHECK (PC) Code: 2019 CBC A separate project application

09/18/20 DWH 09/18/20 DWH 09/18/20 DRAWING DESCRIPTION:

DSA 103 SAMPLE FORMS

P.C. T-2.0

LIVE LOADS

SNOW LOAD 115 MPH (3-Sec. Gust); EXPOSURE C; TOPOGRAPHIC FACTOR, Kzt = 1.0 WIND LOADS

.- 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, JNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2019 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 2019, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)

I.- DESIGN PER FOLLOWING CODES: CBC 2019, ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-14, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEE

.- 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 2019 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 2019 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

I.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE B, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS:

46,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS SQUARE AND RECTANGULAR 42,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS

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

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

.- 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

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

.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. EITHER SMAW OR GMAW IS ACCEPTABLE.

10.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 4) 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

I.- COLD-FORMED STEEL MEMBERS SHALL BE 55% ALUMINUM ZINC ALLOY COATED PER ASTM A792/A792M TANDARD IN ACCORDANCE TO AISI S200 TABLE A4-1. CP 90 COATING DESIGNATION. ALL EXPOSED STEEL ASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), 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

- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2019 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

.- CONCRETE TO BE F'c= 4500 PSI, TYPE V CEMENT, WATER/CEMENT RATIO OF 0.45, PER ACI 318-14 CHAPTER 5. REINFORCING STEEL 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 55 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329).

ANCHOR BOLT'S EMBEDMENT NEEDS TO BE AS FOLLOW A) ANCHOR BOLT Ø1 1/4" 30 IN (MINIMUM EMBEDMENT)

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.

FABRIC SPECIFICATION

I.- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD. OR OTHER COMPANY WHO CAN MANUFACTURE FABRIC, WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS.

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. FABRICS SAMPLES OF THE SAME MATERIAL WHICH ARE MAINTAINED AT THE PROJECTS SITE SHALL BE TESTED TO BE IN COMPLIANCE WITH ASTM D5034 AND D2261. THE ANNUAL TESTING ON THE APPROVED PLANS SHALL BE COMPARED TO THE FABRIC SPECIFICATIONS INDICATED IN NOTE 1 OF "FABRIC SPECIFICATION" ON THE APPROVED PLANS. THE FABRIC SHALL BE REPLACED WHEN THE TEST RESULTS RETURN LESS THAN 50% OF THE ULTIMATE VALUES IN NOTE 1 OF "FABRIC SPECIFICATION". 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

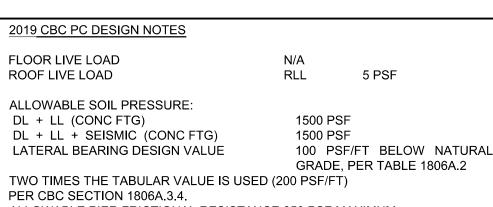
I.- FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023A, ASTM 1023M-02, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS. CABLE SHALL BE TENSIONED TO 250 LBS MINIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS Sa=4909 LB.

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.

FOOTPRINT CONFIGURATION

1.- THE STRUCTURE CAN BE A SINGLE 4 POST TENSION SAIL

2.- THE STRUCTURE CAN BE PLACED FOLLOWING A CURVED CONFIGURATION AS LONG AS THE MAXIMUM DIMENSIONS ARE NOT EXCEEDED.



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 ZERO PSF ICE LOAD

FLOOD HAZARD AREA 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 -BASIC DESIGN WIND SPEED (3 SEC GUST) 115 MPH

WIND EXPOSURE FACTOR TOPOGRAPHIC FACTOR -VELOCITY PRESSURE EXPOSURE COEFFICIENT 0.88 VELOCITY PRESSURE 25.32 PSF

SEISMIC DESIGN

3.00g 1.389g -SPECTRAL RESPONSE COEFFICIENTS SDS 2.00 1.39

-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN

SEISMIC IMPORTANCE FACTOR 1.0 -DESIGN BASE SHEAR 13949 LB -SEISMIC RESPONSE COEFFICIENTS Cs 1.6 -RESPONSE MODIFICATION FACTOR 1.25 -ANALYSIS PROCEDURE **EQUIVALENT LATERAL FORCE** -RISK CATEGORY -SEISMIC DESIGN CATEGORY -SITE COEFFICIENT CATEGORY

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.

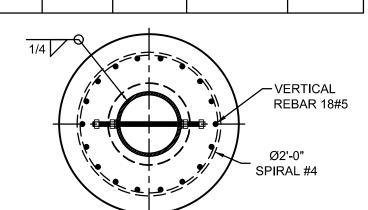
ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

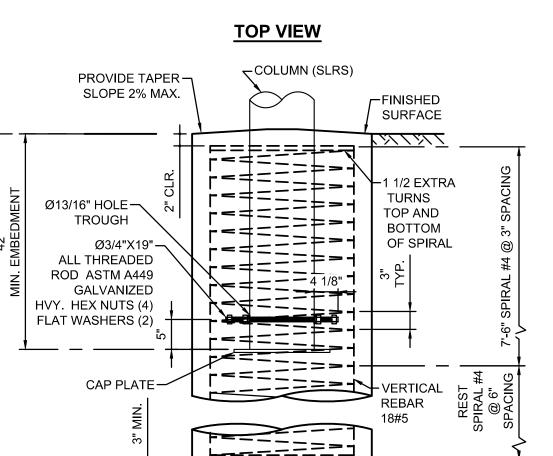
PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1.600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT 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 17'-6" THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS

MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.

	CODE ANALYSIS								
BUILDING	OCCUPANCY	CONST. TYPE	AREA (SQ. FT.)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD				
SHADE STRUCTURE	A-3	V-B	1,600	15	107				

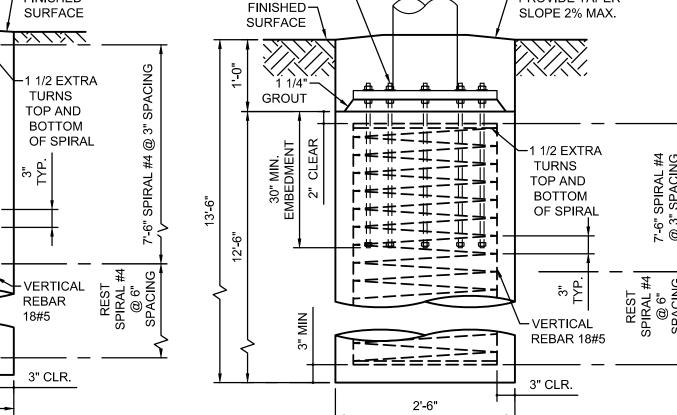




2'-6"

DRILLED PIER-PIH

(USE FOR NON-CONSTRAINED CASES)



MAXIMUM OCCUPANT LOAD (PER CBC 2019 TABLE 1604A.5)

BOLTS CENTER

250 PERSONS

300 PERSONS

500 PERSONS

TOP VIEW

COLUMN (SLRS)

DRILLED PIER-RBP

(RECESSED BASE PLATE, RBP

(USÈ FOR NON-CONSTRAINED CASES) (OPTIONAL)

Ø1'-8"

BASE PLATE

SPIRAL #4

1/4" THK PL

PROVIDE TAPER

(PLT-052)

STRUCTURE SHALL BE-

INSTALLED A MINIMUM

OF 20'-0" AWAY FROM

ADJACENT BUILDING,

UNLESS OTHERWISE

APPROVED BY D.S.A. ON

A JOB SPECIFIC BASIS.

CONNECTION'S LEVEL

(MEASURED FROM

BUILDING

COLUMN-

-PUBLIC ASSEMBLY:

ABOVE 12TH GRADE:

-EDUCATIONAL OCCUPANCIES

EIGHT Ø1 1/4" x 36"-

HVY. HEX NUTS (3)

FLAT WASHERS (2)

ANCHOR RODS

LOCK WASHER

5 S S

∕−ITEM 1A

FINISHED SURFACE)

20'-0" (MAX)

CTR. TO CTR. COLUMNS

50'-0"

20'-0" (MAX)

CTR. TO CTR. COLUMNS)

FINISHED

SURFACE

20'-0" (MAX)

CTR. TO CTR. COLUMNS)

20'-0" (MAX)

CTR. TO CTR. COLUMNS)

—ITEM 1C

FRONT VIEW

TOP VIEW (SCHEMATIC VIEW ONLY

20'-0" (MAX)

CTR. TO CTR. COLUMNS)

10'-0" (MAX)

CTR. TO CTR

COL. TYP.

FOR FUTURE

ADDITION

ITEM 1A -

-FOR FOOTING AND

DETAILS BELOW

7'-6"

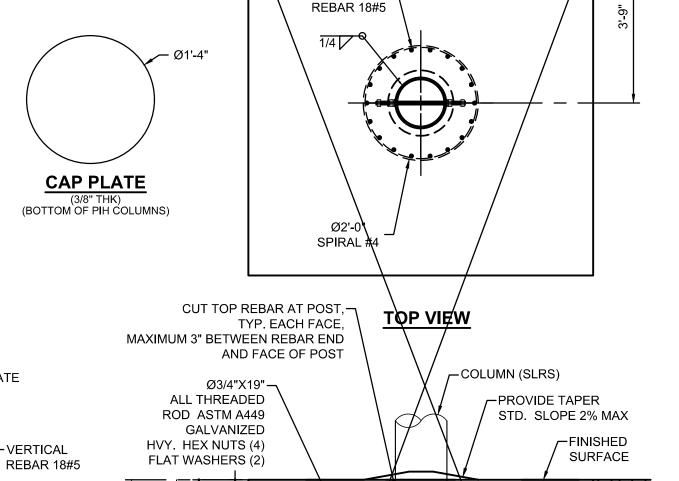
SQ.

MOUNTING INFO SEE

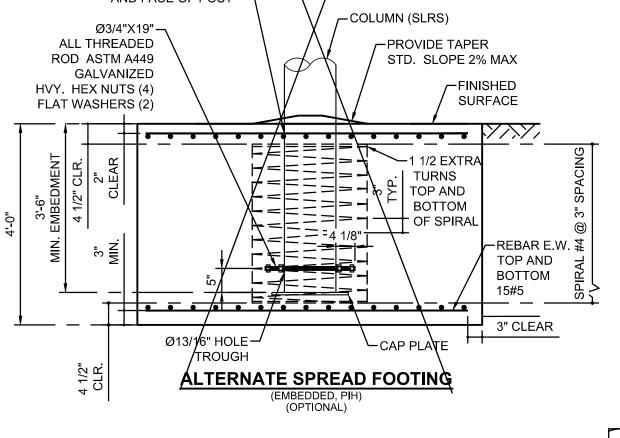
JOINED UNIT

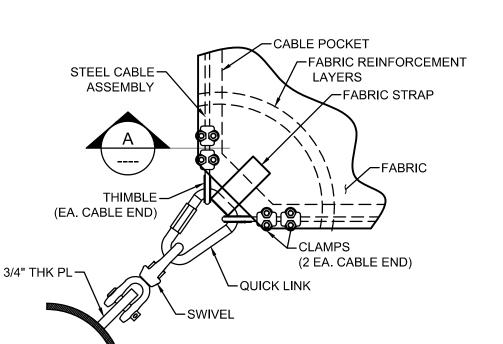
20'-0" (MAX)

CTR. TO CTR. COLUMNS)



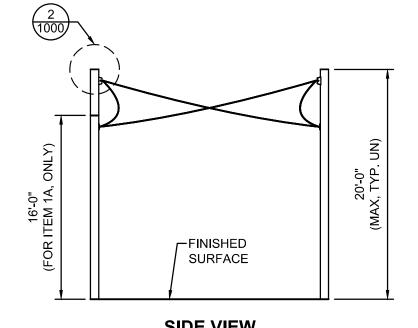
VERTICAL -



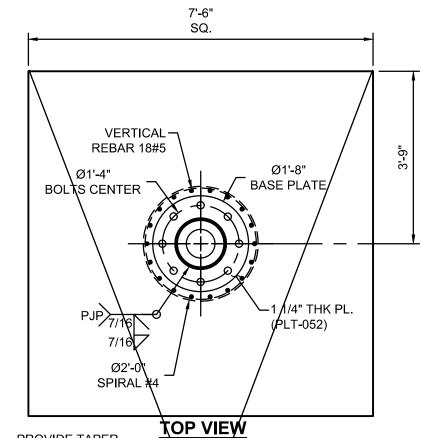


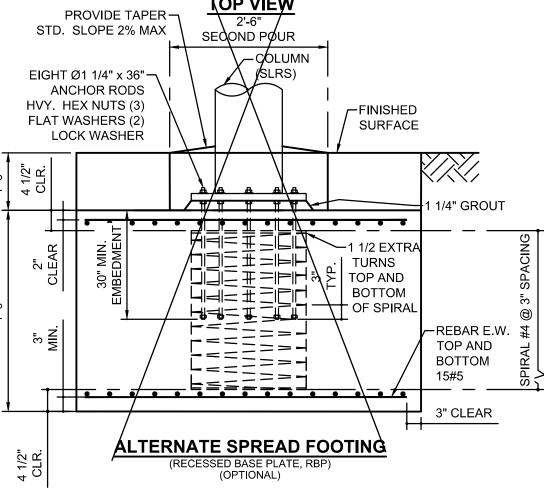
DETAIL 1

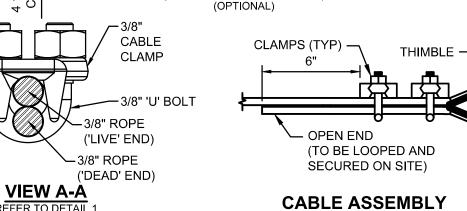
LIST OF MATERIALS QTY ITEM DESCRIPTION MATERIAL HSS 10.75 x 0.500 1A TBD COLUMN 1B HSS 10.75 x 0.500 TBD COLUMN 1C HSS 10.75 x 0.500 TBD COLUMN TBD FABRIC TOP FR COLOURSHADE Z25 2 3 TBD Ø3/8" CABLE GALVANIZED STEEL TBD Ø3/8" THIMBLE 4 GALVANIZED Ø3/8" CABLE CLAMP TBD GALVANIZED 5 GALVANIZED (W.L. = 7200 LB) 6 TBD 3/4" SWIVEL JAW END ZINC PLATED (W.L. = 6613 LB) TBD 25/32" QUICK LINK TBD CAP PLATE (3/8" THK) ASTM A572 GR. 50 8 TBD GUSSET PLATE (3/4" THK) ASTM A572 GR. 50 9



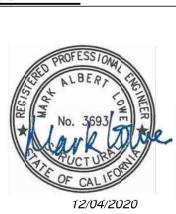
SIDE VIEW











IDENTIFICATION STAMP DIV. OF THE STATE ARCHITE APP: 03-123271 INC: REVIEWED FOR SS FLS ACS

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



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:

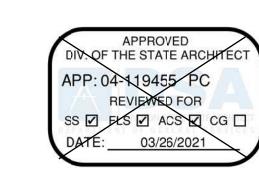
|El Monte Union HS Distric

PROJECT NAME:

|El Monte High School

LOCATION: 3048 Tyler Ave. El Monte, CA 91731 **MODEL NUMBER:**

DSA4182020-19



STRUCTURE TYPE: **TENSION SAILS** DSA MAXIMUM 20' x 200' MAX. x 15'e **SCALE: NONE DRAWING SIZE:**

> PRE-CHECK (PC) DOCUMENT Code: 2019 CBC A separate project application for construction is required.

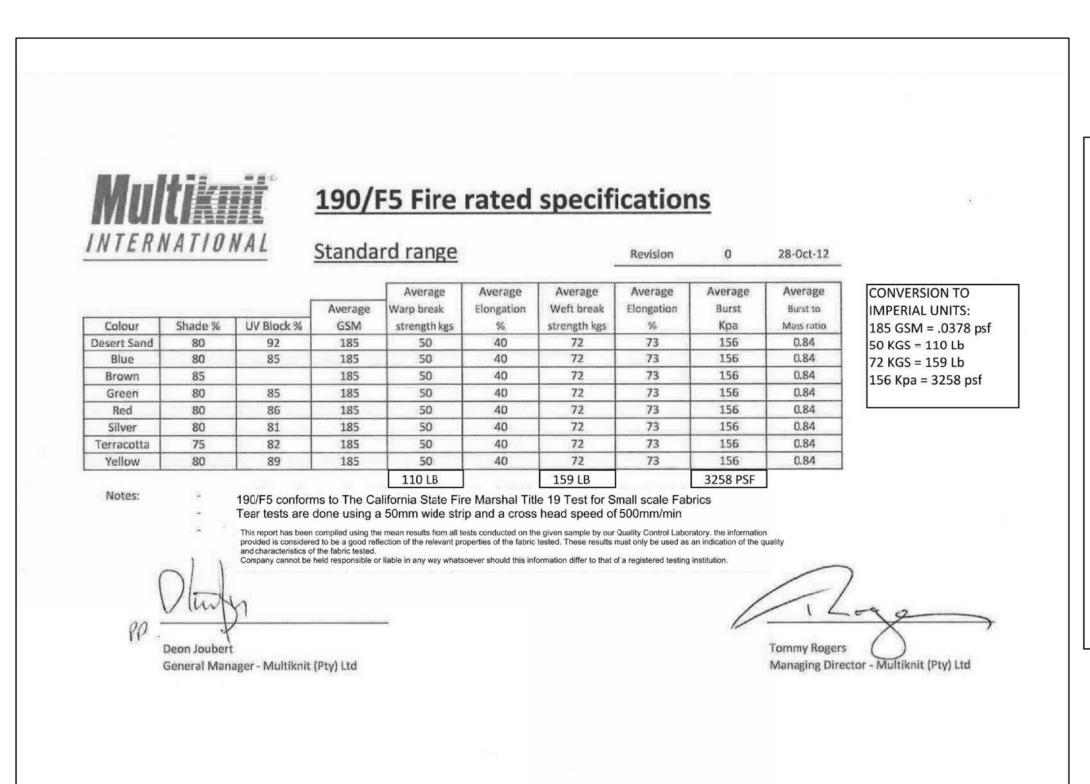
Eng. By :	JO	06/26/20
Design By :	JO	06/26/20
Approved By :	JO	06/26/20
DRAWING DESC	^DIDTI∩N:	-

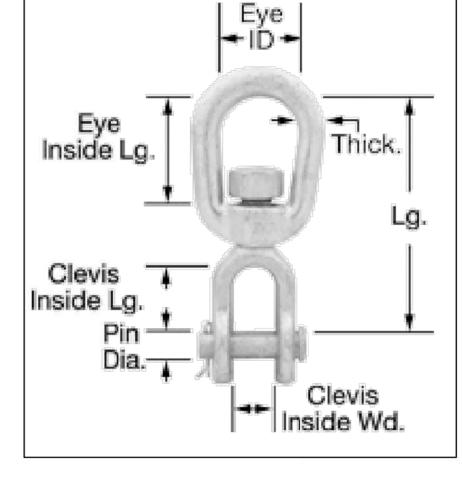
DRAWING DESCRIPTION: PRODUCT INFORMATION

DSA4182020-19

14.1-1000

						-	$P_X^2 + P_1$ ASD REACTION					
Node No.		P _X	Support Forces [kip	P _Z	Support Mo M _g	oments [kipft] M _e	My		Support Forces [kip] SHEAR RESULTANT	Support Moments [kipft] MOMENT RESULTANT	Support Forces [kip] UPUFT	Support Forces (N AXIAL
						MAX	IMUM REAC	TIONS	4.087	70.888	0.754	-2.881
Node			Support Forces [kip			pport Moments [k						
No. 35	Mex	9 _x 3.436	P _r 2.278	P ₂ 0.592	0.000	M, 53.842	0.138					
	Min Max P _x	3,436	0.000 1.641	-1.182 -0.859	-32.465 -26.199	0.000 53,842	-0.269 -0.206	CO 10	3.808	59.878		-0.869
	Min P _X Max P _Y	0.000 1.861	0.000 2.278	0.000 -1.057	0.000 -29.982	0.000 29.663	0.000 -0.026	CO 15	0.000 2.942	0.000 42.176		-1.067
	Min P _y Max P _Z	0.000 2.886	0.000 1.684	0.000	-25.073	0.000 45.364	0.000 -0.198	CO 5	0.000 3.341	0.000 51.832	0.592	
	Min P _z Max M _x	0.818	2.081. 0.000	-1,182 0.000	-24.675 0.909	12,995 0,000	0.003	CO 17	2.236 0.000	27.888 0.000		-1.182
	Min M _x Max M _y	2.962 3.436	2.097 1.641	-C.869	-32.465 -26.199	47.301 53.842	0.042 -0.206	CO 11 CO 10	3.629 3.808	57.370 59.878		-0.886 -0.889
	Min M _Y Max M _Z	0.000 2.252	0.000 1.486	0.000	0.000 -23.337	0.000 33.954	0.000 0.138	CO 33	0.000 2.698	0.000 41.201	0.407	
36	Min M _z Max	2.74Z 1.977	1.059	-0.506 0.000	-16.900 44.948	42.416 30.480	-0.269 0.035	CO 31	2.939	45.659		-0.506
	Min Max P _X	0.000 1,977	-2,193 -1,307	-2,880 -2,129	-5.195 26.713	0.000 28.855	-0.028 0.000	CO 14	2,370	39.322		-2.129
	Min P _X Max P _Y	0.000	0.000 1.007	0.000 -0.550	0.000 -5.195	0.000 6.513	0.000 -0.014	CO 19	0.000	0.000 8.331		-0.550
	Min P _Y Max P _Z	1.580 0.000	-2.193 0.000	-2.522 0.000	44.948 0.000	30.480 0.000	0.021	CO 10	2.703 6.000	54.308 0.000		-2.522
	Min P _Z Max M _X	1,122 1.580	-1.530 -2.193	-2,880 -2,522	33.654 44.948	23,230 30,480	0.035	CO 11 CO 10	1,897 2,703	40.893 54.308		-2.880 -2.522
	Min M _x Max M _y	0.322	1.007 -2.193	-0.550 -2.522	-5.195 44.948	6.513 30.480	-0.014 0.021	CO 19	1.057 2.703	8.331 54.308		-0.550 -2.522
	Min M _Y Max M _Z	0.000	0.000	0.000	0.000	0.000	0.000 0.03S	CO 11	0.000	0.000		-2.880
40	Min Mg Max	1.881	-0.586 3.823	-0.548 0.754	11.843	22.888 25.469	-0.028 0.147	CO 18	1.970	25.770		-0.548
	Min Max P _x	0.000	0.000	-2.673 -1.892	-59.028 -39.764	0.000	-0.127 0.018	CO 14	3.044	46.279		-1.892
	Min P _X Mex P _y	0.000	0.000	0.000	0.000	0.000	0.000	CO 11	0.000	0.000		-2.309
	Min P _Y Max P _Z	0.000	0.000	0.000 0.754	0.000 -50.815	0.000	0.000	CD5	0.000 3.354	0.000 54.540	0.754	-2.003
	Min P _Z Max M _x	2.053	2.901 0.000	-2.673 0.000	-53.610 0.000	25.469 0.000	-0.087 -0.070 0.000	CO 10	3.554 0.000	59.352 0.000	V-127	-2.673
	Min M _X Max M _Y	1.444	3.823	-2.309 -2.673	-69.028 -53.610	16.134 25.469	0.095	CO 11	4.087 3.554	70.888 59.352		-2.309 -2.673
	Min M _e	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		
	Max M _Z Min M _Z	1.861	3.067 1.632	-1.534 -1.851	-54.444 -29.986	10.034 24.408	-0.127	CO 32	3.210 2.475	55.361 38.664		-1.534 -1.861
41	Max	1.159 -1.388	0.564 -3.634	0.669 -2.771	0.000	11.385 -15.894	0.294 -0.041					
	Max P _X Min P _X	1.159 -1.388	-1.043 -2.706	-1.427 -2.771	19.191 51.617	-15.292	0.121	CO 16 CO 11	1.559 3.041	22.314 53.835		-1.427 -2.771
	Max P _y Min P _y	-0.443 -0.780	0.564 -3.634	-1.422 -2.410	1.879 67.161	-5.660 -5.810	-0.036 0.289	CO 17	0.717 3.717	5.964 67.412		-1.422 -2.410
	Max P _z Min P _z	-0.980 -1.388	-2.688 -2.706	0.569 -2.771	48.228 51.617	-10.810 -15.292	0.054 0.121	CO 11	2.861 3.041	49.425 53.835	0.669	-2.771
	Max M _x Min M _x	-0.780 0.000	-3.634 0.000	-2,410 0.000	67,161 0.000	-5.810 0.000	0.289	CO 10	3,717 0.000	67.412 0.000		-2,410
	Max M _v Min M _v	1.159 -1.356	-1.043 -2.227	-1.427 -2.516	19.191 43.151	11.385 -15.894	-0.040 0.054	CO 16	1.559 2.607	22.314 45.985		-1.427 -2.516
	Max M _Z Min M _Z	-0.331 1,158	-2.816 -1.044	-1.612 -0.367	51.931 19.158	-0.981 11,357	0.294 -0.041	CO 31 CO 18	2.835 1,559	51.940 22,271		-1.612 -0.367
46	Max Min	2.042 0.000	3.823 0.000	0.671 -2.770	0.000 -69.137	22.299 0.000	0.300 -0.034					
	Max P _x Min P _x	2.04Z 0.00D	1.045 0.000	-0.340 0.000	-18.877 0.000	22.287 0.000	0.034 0.000	CO 18	2.294 0.000	29.207 0.000		-0.340
	Max P _y Min P _y	0.967	3,823 0,000	-2.409 0.000	-69.137 0.000	7.721 0.000	0.290 0.000	CO 11	3.943 0.000	69.567 0.000		-2.409
	Max P _z Min P _z	1.228 1.575	2.940 2.895	0.671 -2.770	-50.844 -53.598	13.337 17.200	0.060 0.123	CO 10	3.186 3.296	52.564 56.290	0.671	-2.770
	Max M _x Min M _x	0.000	0.000 3.823	0.000 -2.409	0.000 -69.137	0.000 7.721	0.000	CO 11	0.000 3.943	0.000 69.567		-2,409
	Max M _v Min M _v	2.041	1.045	-1.400 0.000	-18.910 0.000	22.299 0.000	0.034	CO 16	2.293 0.000	29.238 0.000		-1.400
	Max M _z Min M _z	0.579	3.068 1.947	-1.610 -0.626	-54.567 -34.219	3.522 6.981	0.300 -0.034	CO 32 CO 13	3.122 2.057	54.581 34.924		-1.610 -0.626
47	Max	1.173 -1.863	0.561 -3.634	0.751 -2.675	67.061 0.000	11.631 -23.489	0.145 -0.130					
	Max P _x Min P _x	1.173	-1.045 -2.712	-1.430 -2.675	19.225 51.638	11.631 -23.489	-0.033 -0.059	CO 16 CO 11	1.571 3.290	22.470 56.729		-1.430 -2.675
	Max P _y Min P _y	-0.436 -1.254	0.561 -3.634	-1.425 -2.311	1.929 67.061	-5.514 -14.153	-0.032 0.096	CO 17	0.711 3.844	5.842 68.538		-1.425 -2.311
	Max Pz Min Pz	-1.354 -1.863	-2.692 -2.712	0.751	48.210 51.638	-17.191 -23.489	-0.089 -0.059	CO 4 CO 11	3.013 3.290	51.183 56.729	0.751	-2.675
	Max M _x Min M _x	-1.254 0.000	-3.634 0.000	-2.311 0.000	67.061 0.000	-14.153 0.000	0.096	CO 10	3.844	68.538 0.000		-2.311
	Max M _y Min M _y	1.173	-1.045 -2.712	-1.430 -2.675	19.225 51.638	11.631	-0.033 -0.069	CO 16	1.571 3.290	22.470 56.729		-1.430 -2.675
	Max M _z Min M _z	-0.693 -1.608	-2.815 -1.380	-1.537 -1.863	51.823 27.360	-7.395 -21.776	0.145	CO 31	2.899	52.348 34.968		-1.537 -1.863
52	Max Min	1.173 -1.398	2,464	0.000 -2.881	0.000 -46.866	-21.776 8.572 -28.641	0.038 -0.015	and the		anasia.		-2.003
	Max P _x Min P _x	1.173 -1.398	0.539 2.378	-2.557 -2.522	-10.922 -46.866	-28.641 8.572 -28.641	0.035	CO 18	1.291 2.758	13.884 54.925		-0.557 -2.522
	Max P _y Min P _y	-0.844	2,464	-2.131 0.000	-38.823 0.000	-17.250 0.000	0.025	CO 15	2.605 0.000	42.483 0.000		-2.131
	Max Pz Min Pz	0.000	0.000	0.000	0.000	0.000 -21.393	0.000 0.000 0.038	CO 10	0.000 0.000 1.956	0.000 0.000 41.511		-2.881
	Max M _x Min M _x	0.000	0.000	0.000	0.000	0.000	0.000	CO 11	0.000	0.000 54.925		-2.522
	Min M _X Max M _Y Min M _Y	1.173	0.539	-0.557	-10.922 -46.866	8.572	0.035	CO 18	1.291	13.884		-0.557
	Max M _z	-1.398 -0.940	2,378 1,715	-2.522 -2.881	-35.574	-28.641 -21.393	0.024	CO 10	2.758 1.956	54.925 41.511		-2.522 -2.881
53	Min M _z Mex	0.845	1.014	-1.456 0.589	-20.549 30.420	-10.206 5.054	0.141	CO 12	1.095	22.944		-1.466
	Min Mex P _X	-3.239 0.846	-1.905 -0.458	-1.203 -0.159	-9.361 7.267	-51.726 5.054	-0.265 0.006	CO 18	0.962	8.852		-0.159
	Min P _x Max P _y	-3.239 -0.768	-1.449 1.117	-0.871 -1.196	24.155 -9.361	-51.726 -12.198	-0.202 -0.012	CO 11	3.548 1.356	57.088 15.376		-0.871 -1.196
	Min P _y Max P _Z	-2.765 -2.623	-1.905 -1.427	-0.888 0.589	30.420 22.352	-45.193 -42.555	0.045 -0.194	CO 10	3.358 2.986	54.477 48.068	0.589	-0.888
	Min P _z Max M _x	0.846 -2.765	-0.458 -1.905	-1.203 -0.888	7.278 30.420	5.051 -45.193	0.006 0.045	CO 16 CO 10	0.962 3.358	8.859 54.477		-1.203 -0.888
	Min M _x	-0.768	1.117	-1.196	-9.361	-12.198	-0.012	CO 17	1.356	15.376	I	-1.196





Turnback

FORGED WIRE ROPE CLAMP

EYE-TO-CLEVIS SWIVEL

LENGTH: 5 7/8"

THICKNESS: 3/4"

INSIDE LENGTH: 1 3/4"

INSIDE WIDTH: 1 1/8" INSIDE LENGTH: 1 3/4"

PIN DIAMETER: 3/4"

CAPACITY: 7,200 LBS.

FABRICATION: FORGED

FITTING TYPE: SWIVEL

SPECIFICATIONS MET FED. SPEC. RR-C-271

ATTACHMENT TYPE: EYE-TO-CLEVIS

PIN TYPE: COTTER

EYE:

ID: 2" **CLEVIS**

MATERIAL: GALVANIZED STEEL

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 '5/16", 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

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-123271 INC: REVIEWED FOR SS ☐ FLS ☑ ACS ☑

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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:

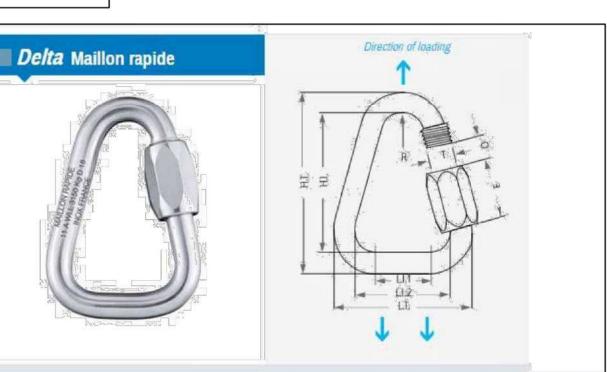
El Monte Union HS District

PROJECT NAME:

El Monte High School

LOCATION: 3048 Tyler Ave. El Monte, CA 91731 MODEL NUMBER:

DSA4182020-19



Delta shape: developed after the ever-increasing development of webbing-fitted systems; perfect for webbing uphold onto its lower flat part.

unc piated steet												ard concentrates		tainiess s	HOCK AND
Reference	Dian	neter				Dime	nsions -	mm				Weight	WLL	BL	Quote
	mm	inches	L.T.	L.I.1	L.I.2	H.T.	H.I.	0	E	R	Т	8	kg	幅	Qty
MRDZ02.5	2,5	3/32"	22	10	17	27	22	3,5	8	3,5	3,5	3	25	125	P-1
MRDZ03.0	3	7/64"	27	12,5	21	30	24	4	9	4,25	4	6	40	200	Þ
MRDZ03.5	3,5	1/8"	31	14	24	36	29	5	11	5	5	9	70	350	Þ1
MR0/Z04.0	4	5/32"	35,5	16	27,5	40	32	5,5	12,5	5,75	6	14	100	500	ÞŢ
MRDZ05.0	5	3/16"	40	17	30	48	38	6,5	16	6,5	7	23	150	750	Þ1
MRDZ06.0	6	1/4"	47	20,5	35	56	44	7,5	19	7,25	9	39	250	1250	Þ1
MRDZ07.0	7	9/32"	51	21	37	63	49	8,5	21,5	8	10	58	400	2000	Þ.1
MRDZ08.0	8	5/16"	56	22,5	40	73	57	10	24	8,85	11	88	550	2750	Þ1
MRDZ09.0	9	3/8"	60	23	42	78	60	11	26	9,5	12	115	700	3500	Þ
MRDZ10.0	10	7/16"	66	25,5	46	87	67	12	29	10,25	13	153	900	4500	Þ1
MRDZ12.0	12	1/2"	75	27,5	51	104	80	15	33	11,75	15	256	1100	5500	Þ1
MRDZ1A.0	14	9/16"	85	30,5	57	123	95	17	38,5	13,25	17	404	1800	9000	ÞI
MRDZ16.0	16	5/8"	93	31,5	61	138	106	19	45	14,75	19	612	2200	11000	Þ1
MRDZ18.0	18	11/16"	102	32,5	66	155	119	23	52	16,25	22	845	2600	13000	Þ1
MRDZ20.0	20	25/32"	112	31,5	72	176	136	24	60	17,75	24	1185	3000	15000	▶ 10

25/32 QUICK LINK UNITS CONVERSION

										WORKING	BREAKING
LT	U1	LI2	HT	HI	0	E	R	т	WEIGHT	LOAD	LOAD
[in]	[lb]	[lb]	[lb]								
4.409	1.240	2.835	6.929	5.354	0.945	2.362	0.699	0.945	2.61	6613	33069







STRUCTURE TYPE: **TENSION SAILS** DSA

MAXIMUM 20' x 200' MAX. x 15'e

SCALE: NONE

DRAWING SIZE:

PRE-CHECK (PC) DOCUMENT Code : 2019 CBC A separate project application for construction is required.

Eng. By:	JO	06/26/20	
Design By :	JO	06/26/20	
Approved By :	JO	06/26/20	

REACTIONS

DSA4182020-19

14.2-2000

DRAWING DESCRIPTION:

NC

BASIC LOAD CASES

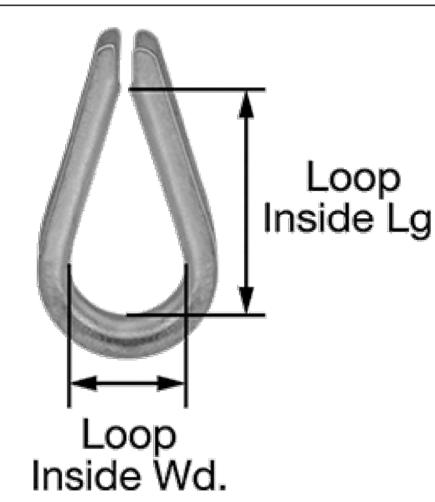
DESIGN BASE SHEAR

DEAD LOAD 0.0378 PSF (FABRIC) FLOOR LIVE LOAD 5 PSF **ROOF LIVE LOAD** 5 PSF **ROOF SNOW LOAD** SUPERIMPOSED LOADS N/A

WIND LOAD ULTIMATE DESIGN WIND SPEED (3 SEC GUST) 115 MPH VELOCITY PRESSURE qz 25.32 PSF COMPONENT AND CLADDING gz

(CABLE AND CABLE HARDWARE ONLY) 25.32 PSF SEISMIC LOAD SEISMIC RESPONSE COEFFICIENTS Cs

13949 LB



WIRE ROPE THIMBLE FITTING TYPE: THIMBLE MATERIAL: GALVANIZED STEEL FOR WIRE ROPE DIAMETER: 3/8" LOOP INSIDE LENGTH: 1 5/8" INSIDE WIDTH: 15/16" SPECIFICATIONS MET

FED. SPEC. FF-T-276B

Aircraft Cable

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

Dead End

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	Galvanized Min.	
	Dia. (In)	Approx. Wt 1000 Ft/lbs	Breaking Strengths (lbs)
	3/32	17.	1,000
****	1/8	29.	2,000
7 x 19	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
<u></u>	5/16	173.	9,800
	3/8	243.	14,400