

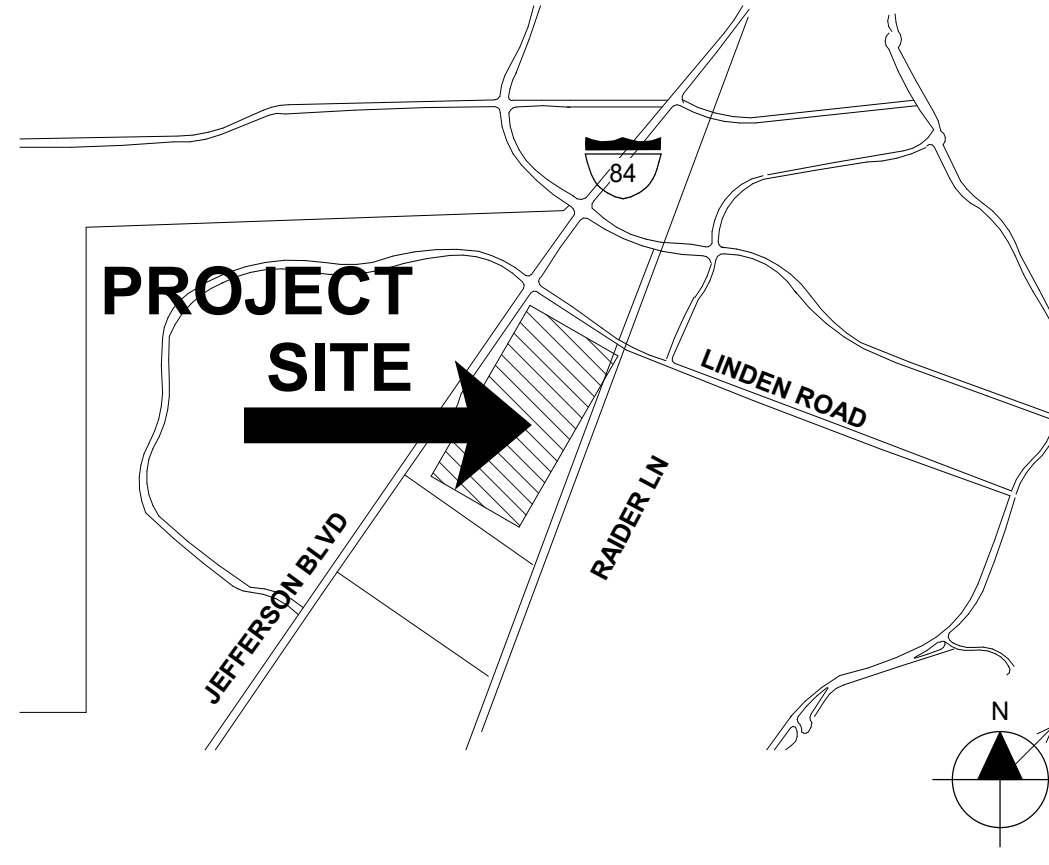
WUSD RIVER CITY HIGH SCHOOL

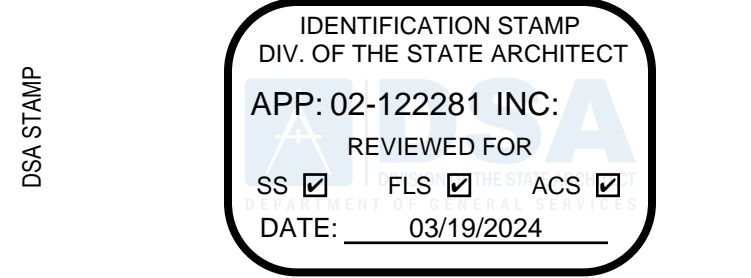
ESSR III 1 RAIDER LANE WEST SACRAMENTO, CA 95691 WASHINGTON UNIFIED SCHOOL DISTRICT

DSA File No. 57-H5
App. No. 02-122281
PTN. 72694-127

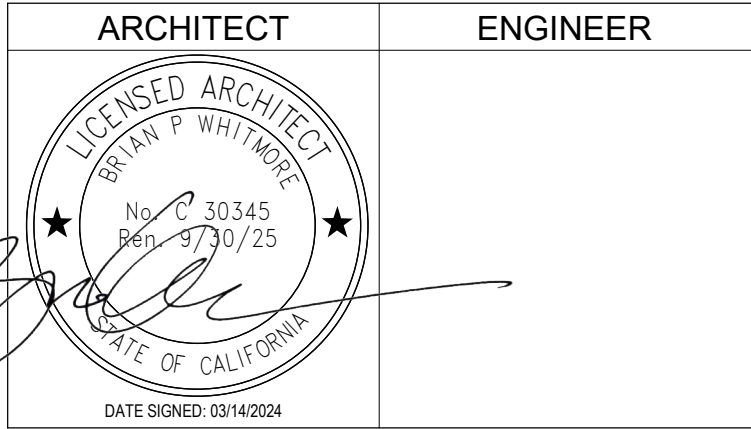
DSA REQUIREMENTS	CODES AND REGULATIONS	PROJECT DESCRIPTION	STATEMENT OF GENERAL CONFORMANCE
<div>1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).</div> <div>2. AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.</div> <div>3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS AFFECTING FLS, SSS, AND/OR ACS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR AND DSA IR A-6.</div> <div>4. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.</div> <div>5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</div> <div>6. A COPY OF PART 1 TO PART 5 OF TITLE 24 SHALL BE KEPT AND BE AVAILABLE IN THE FIELD DURING CONSTRUCTION.</div> <div>7. DSA SHALL BE NOTIFIED OF THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24, CCR.</div> <div>8. THE DIVISION OF THE STATE ARCHITECT IS EXEMPT FROM ARBITRATION OR MEDIATION PROCEDURES.</div> <div>9. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT IS PER SECTION 4-334, PART 1, TITLE 24, CCR.</div> <div>10. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, CCR:<ul style="list-style-type: none">VERIFIED REPORTS PER SECT 4-336, PART 1, TITLE 24 CCRDUTIES OF ARCHITECT PER SECT 4-331, 4-341, TITLE 24 CCRDUTIES OF CONTRACTOR PER SECT. 4-343; PART 1, TITLE 24</div> <div>11. TESTING AND INSPECTION:<ul style="list-style-type: none">INSPECTOR APPROVED BY DSA AS PER SECT. 4-333(D); PART 1, TITLE 24, CCRTESTS AND TESTING LABORATORIES PER SECT 4-335SPECIAL INSPECTION PER SECT. 4-333(C)</div> <div>12. CHANGES IN LEVEL FOR FLOOR FINISHES SHALL CONFORM WITH CBC SECTION 1124B.2 AND 1124B.3.</div> <div>13. ALL TESTS TO CONFORM TO REQUIREMENTS OF SECTION 4-335; PART 1, TITLE 24, CCR.</div> <div>14. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335; PART 1, TITLE 24, CCR AND THE DISTRICT SHALL EMPLOY AND PAY THE DSA ACCEPTED LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.</div> <div>15. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(B).</div> <div>16. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-337(C), PART 1, TITLE 24, CCR).</div> <div>17. INSPECTOR OF RECORD REQUIREMENTS:<div>A. ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24, PART 1 AND IN ADDITION, SHALL BE STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.</div><div>B. INSPECTOR SHALL BE CERTIFIED AS A CLASS 2 INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.</div></div>	<div>APPLICABLE STATE CODES AND REGULATIONS WITH LATEST AMENDMENTS AND SUPPLEMENTS:</div> <div>1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR</div> <div>2. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 IBC & CALIFORNIA AMENDMENTS)</div> <div>3. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2020 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)</div> <div>4. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2021 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)</div> <div>5. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2021 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS)</div> <div>6. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CBC</div> <div>7. 2022 CALIFORNIA HISTORICAL BUILDING CODE, PART 8, TITLE 24 CCR</div> <div>8. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR (2021 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS)</div> <div>9. 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2021 INTERNATIONAL EXISTING BUILDING CODE & CALIFORNIA AMENDMENTS)</div> <div>10. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE PART 11, TITLE 24</div> <div>11. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR</div> <div>12. TITLE 8 CCR, CH. 4, SUB-CH. 6 - ELEVATOR SAFETY ORDERS</div> <div>13. TITLE 19 CCR, PUBLIC SAFETY, SFM REGULATIONS</div> <div>APPLICABLE FEDERAL CODES AND STANDARDS:</div> <div>14. AMERICANS WITH DISABILITIES ACT (ADA), TITLE 11</div> <div>15. UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) or ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)</div> <div>APPLICABLE REFERENCED STANDARDS:</div> <div>16. NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2022 EDITION</div> <div>17. NFPA 24, PRIVATE FIRE MAINS (CA AMENDED), 2019 EDITION</div> <div>18. NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED), 2022 EDITION</div> <div>19. NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2019 EDITION</div> <div>20. NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION</div> <div>REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.</div>	<div>APN: 046-020-067 AND 046-110-013</div> <div>THE PROJECT INCLUDES NEW DRINKING FOUNTAINS, NEW FABRIC AND METAL SHADE STRUCTURE.</div> <div>NOTE THAT DRINKING FOUNTAINS WILL BE INSTALLED DURING THE SCHOOL YEAR, WHILE ALL OTHER WORK WILL BE INSTALLED DURING THE SUMMER OF 2024.</div> <div>FABRIC SHADE STRUCTURE TO HAVE 340FR FABRIC FOR FLAME RETARDANT, COMPLYING WITH TITLE 19, SECTION 315(a)</div> <div>DEFERRED APPROVALS</div> <div>1. NONE</div> <div>ADD ALTERNATES</div> <div>1. NONE</div>	<div>FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS</div> <div>Application No. 02-122281</div> <div>File No. 57-H5</div> <div><div>[X] The drawings or sheets listed on the cover or index sheet (all C, P, and PC drawings)</div><div>[] This drawing, page of specifications/calculations</div></div> <div>have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:</div> <div>1. design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and</div> <div>2. coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.</div> <div>The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1, (Title 24, Part 1, Section 4-317 [b])</div> <div>I find that:<div>[X] All drawings or sheets listed on the cover or index sheet</div><div>[] This drawing or page</div></div> <div><div>[X] is/are in general performance with the project design and</div><div>[X] has/have been coordinated with the project plans and specifications</div></div> <div><div>Signature</div><div>03/14/2024</div><div>Date</div></div> <div>Architect or Engineer designated to be in general responsible charge.</div> <div>Brian P. Whitmore</div> <div>Print Name</div> <div>C 30345</div> <div>09-30-2025</div> <div>License Number</div> <div>Expiration Date</div> <div>STATEMENT OF GENERAL CONFORMANCE AND SIGNATURE BLOCK PER IR A-18</div>

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A0.3	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS
A0.5	CODE ANALYSIS SITE PLAN
CIVIL	
C0.0	CIVIL GENERAL NOTE AND ABBREVIATIONS
C0.1	TOPOGRAPHIC SURVEY
C1.1	DEMOLITION PLAN
C2.1	GRADING AND PAVING PLAN
C3.1	UTILITY PLAN
C4.1	DETAILS AND SECTIONS
ARCHITECTURAL	
A1.1	SITE PLAN OVERALL
A1.2	ENLARGED SHADE STRUCTURES
A10.2.1	SITE DETAILS
A10.10.1	SPECIALTIES
PLUMBING	
P0.1	PLUMBING LEGEND AND GENERAL NOTES
P1.1	PLUMBING SITE PLAN
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LS1.0	GENERAL INFO
LS1.1	GENERAL INFO
LS3.0	30' WIDE RECTANGULAR HIP FOUNDATION PLAN
LS3.1	30' WIDE RECTANGULAR HIP FRAMING & CONNECTION DETAILS
LS3.4	30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING PLAN
FABRIC SHADE STRUCTURE (PC 04-121917)	
T-1.0	TITLE SHEET
T-2.0	UNIT SELECTION
7.1-1000	PRODUCT INFORMATION
7.2-2000	SPECIFICATIONS
TOTAL SHEET COUNT: 25	

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VICINITY MAP 	



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NO.	REMARKS	DATE

REVISION HISTORY

DRAWING STATUS

☐ DSA PLAN CHECK

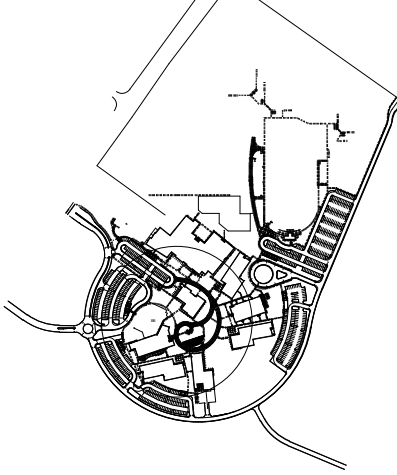
☐ DSA BACK CHECK

☐ BIDDING

☐ CONSTRUCTION

DATE

KEY PLAN



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS

WUSD RIVER CITY HIGH
SCHOOL
ESSR III
1 RAIDER LANE
WEST SACRAMENTO, CA 95691

COVER SHEET

Date 03/14/2024	Project Number 22047
Application Number 02-122281	Drawing Number A0.1
Drawn Author	Checked Checker

ARCHITECTURAL DRAWING ABBREVIATIONS

# & 2X @ L	POUND OR NUMBER AND ITEMS IDENTIFIED AS "NIC" ARE NOT PART OF THIS DSA APPROVAL NOMINAL LUMBER SIZE (4X, 6X, 8X, ETC.) PERPENDICULAR	DG DH DIA DIAM DIFF DIM DISP DIV DMPF DMT DN DR DRB DRLV DS DSP DT DRTL DW DWG DWL DWR	DECOMPOSED GRANITE DOUBLE HUNG DIAMETER DIAGONAL DIFFUSION DIMENSION DISPENSER DIVISION DAMP-PROOFING ARCHITECT/ENGINEER ANCHOR BOLT ABANDON AGGREGATE BASE COURSE ABOVE ASPHALTIC CONCRETE ACCESS(IBLE) ALUMINUM COMPOSITE PANEL ACOUSTICAL ACOUSTICAL CEILING TILE AREA DRAIN ADDENDUM ADHESIVE ADJUSTABLE ADJACENT ABOVE FINISH FLOOR ABOVE FINISHED GRADE AGGREGATE AIR HANDLING UNIT ASSISTED LISTENING SYSTEM ALTERNATE ALUM./AL. ALUMINUM ANCHOR, ANCHORAGE APPLIED APPROXIMATELY ARCHITECT(URAL) ASC ABOVE SUSPENDED CEILING ASF ASPHALT ASSY ASSEMBLY ASYM ASYMMETRICAL AUTO AV AUDIO VISUAL AWG AMERICAN WIRE GAUGE	DH DIA DIAM DIFF DIM DISP DIV DMPF DMT DN DR DRB DRLV DS DSP DT DRTL DW DWG DWL DWR E (E) E EA EAR EBS EE EF EFS EHD EHS EJ EL ELAST ELEC ELEV EM EMER EN ENCL ENGR ENTR EP EQ EQUIP ESC ESCL ESMT EW EWC EWH EWS EXC EXH EXP EXPN EXS EXT F (F) F/F FA FAB FBD FBRK FCBRK FD FDN FE FEC FF FFA FFB FFEL FFL FGL FHC FHM FHMS FHS FIN FLJ FLSH FLDG FLG FLR FLUORESC FN FOB FOC FOF FOG FOM FOS FPL FPR FR FRG FRP FRTW FRZ FS FSTN FT FTG FURG FWC G GA GAL GALV GB GFRG GI GL GLULAM GLZ GLZCMU GND GPC GR GRBM GRLN GSB GSM GSS GST GUT GVL GYP GYP BD H HB HC HD HDAS HDJT HDR HDW HOWD HEX HGR HLDN HM	HMD HMF HMF HNDRL HORIZ HPT HR HT HTG HVAC HWH I ID IN INCL INFO INSTL INSUL INT INV IPS ISA J JAN JST JT K KIT KO KPL L LAB LAD LAM LAV LB(S) LBL LBR LDR LF LG LH LHR LKN LKR LKWASH LLH LLV LMS LNSCP LNTL LP LPT LT LTWT LV LVL LWC LWIC M MAINT MAS MATL MAX MB MBR MC MCB MDO MECH MED MEMB MEZZ MFD MFR MH MIB MIRR MISC ML MLDG MLWK MO MOD MR MRB MRD MS MTD MTL MTR MULL N N NAT NCOMBL NE NF NIC NLB NM NO NOM NR NRC NRCA NS NTS O OI O/O OA OBS OC OCC OD OFCI OFF OFOI OFS OHL OHWS OI OPH OPNG OPP OPQ OPR ORD OSB OVFL OVHD P PA PAR PAT PB PBD PCR PCD PCP	HOLLOW METAL DOOR HOLLOW METAL DOOR AND FRAME HOLLOW METAL FRAME HANDRAIL HORIZONTAL HIGH POINT HOUR HEIGHT HEATING HEATING, VENTILATING, AIR CONDITIONING HOT WATER HEATER INSIDE DIAMETER INCH INCLUDE(D), (ING) INFORMATION INSTALL INSULATED(D), (ION) INTERIOR INVERT IRON PIPE SIZE INTERNATIONAL SYMBOL OF ACCESSIBILITY JANITOR JOIST JOINT KITCHEN KNOCKOUT KICKPLATE LABORATORY LADDER LAMINATE LAVATORY POUND(S) LABEL LUMBER LEADER LINEAL FOOT LENGTH, LONG LEFT HAND LEFT HAND REVERSE LOCKOUT LOOKER LOOKWASHER LONG LEG HORIZONTAL LONG LEG VERTICAL Limestone LANDSCAPE(D) LINTEL LIGHTPROOF LOW POINT LIGHT LIGHTWEIGHT LOUVER VENT LEVEL(ER) LIGHTWEIGHT CONCRETE LIGHTWEIGHT INSULATING CONCRETE MAINTAIN(ANCE) MASONRY MATERIAL MAXIMUM MACHINE BOLT MEMBER MEDICINE CABINET METAL CORNER BEAD MEDIUM DENSITY OVERLAD MECHANICAL MEDIUM MEMBRANE MEZZANINE METAL FLOOR DECKING MANUFACTURER MANHOLE MINOR MIRROR MISCELLANEOUS METAL LATH MOLDING JOINT MILLWORK MASONRY OPENING MODULE(AR) MOISTURE RESISTANT MARBLE METAL ROOF DECKING MACHINE SCREW MOUNTED METAL MORTAR MULLION NEW NORTH NATURAL NONCOMBUSTIBLE NOT EXCEEDING NEAR FACE NOT IN CONTRACT NON-LOAD BEARING NONMETALLIC NUMBER NOMINAL NOISE REDUCTION NOISE REDUCTION COEFFICIENT NATIONAL ROOFING CONTRACTOR'S ASSOCIATION NEAR SIDE NOT TO SCALE OVER OUT TO OUT OVERALL OBSURE ON CENTER OCCUPANTS OR OCCUPANCY OUTSIDE DIAMETER OWNER FURNISHED CONTRACTOR INSTALLED OFFICE OWNER FURNISHED OWNER INSTALLED SIMILAR SINK SKYLIGHT SEALED SLIDE(ING) SOLDER SEALANT SLEEVE SLV SM SHEET METAL SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION SANITARY NAPKIN DISPOSAL UNIT SEALANT SPACES SUSPENDED PLASTER CEILING SOAP DISPENSER SPECIFICATION(S) SUPPORT SQ SQUARE SS STAINLESS STEEL SERVICE SINK	PEDESTAL PERFORATED PERIMETER PERPENDICULAR PERGOLA PHASE PHS PHS PIV PL PLAM PLAS PLYWD PM PM PNEU PNL PNT POL POLY PORC PORT PR PRECAST PREFAB PREFIN PREFMD PRKG PRML PROJ PROP PSCONC PT PTD PTDF PTN PTR PVC PVEI PVMT Q QT QTB QTF QTR QTY R RA RAB RAD RB RBR RCP RCVR RD RDWY REBAR REC RECT RECYCL REF REFL REFR REG REIN REM REP REPL REQD RESIL RET REV RF RFG RFH RGDINS RH RHMS RHR RHS RL RLG RM RND RO ROW RR RS RTF RTU RV RVL RVS RVT RWD RWL S S S2S S4S SA SALV SAM SAT SB SBSSTR SC SCD SCHED SCP SCRN SD SDBL SEC SECT SEP SF SGL SHR SHT SHTG SHV SIM SK SKLT SLD SLDG SLDR SLNT SLV SMACNA SMLS SMS SND SNDINS SNDU SNT SP SPC SPD SPEC SPRT SQ SS SSK	STREET STATION STAGGERED STC STD STG STIF STIRRUP STR STOR STR STRUCT STU SUSP SV SYMM SYNTH T T24 T&B TAG TB TBE TD TDR TEL TEMP TER TFA TFB THD THERM THK THRES THRU TKBD TMPD TO TOB TOC TOF TOFF TOJ TOL TOM TOP TOPV TOS TOSL TOST TOW TPD TPTN TRANS TS TV TWLB TYP U UC UGND UL UNFIN UNON UR URML UTILITY V VAR VB VCT VER VERT VEST VF VFAT VIF VJ VNR VR VTR VWC W W W/O WITH W/O W/W WBL WC WD WDP WDW WF WFS WGL WH WH WI WID WLD WM WP WPT WR WS WSCT WT WWF X XBRACE XFMR XSECT Y YCO YD	STREET STATION STAGGERED SOUND TRANSMISSION CLASS STANDARD SEATING STIFFENER POINT OF INTERSECTION STEEL STORAGE STRAIGHT STRUCTURAL PLYWOOD SUSPENDED SHEET VINYL SYMMETRICAL SYNTHETIC TEMPERED, TOILET, TREAD TITLE 24 TOP AND BOTTOM TONGUE & GROOVE THRU BOLT THREADED BOTH ENDS TOWEL DISPENSER TOWEL DISPENSER/RECEPTACLE TELEPHONE TEMPORARY TERRAZZO TO FLOOR ABOVE TO FLOOR BELOW THREADED THERMAL THICK THRESHOLD THROUGH TACKBOARD TEMPERED TOP OF BEAM TOP OF CURB OR TOP OF CONCRETE TOP OF FOOTING TOP OF FINISH FLOOR TOP OF JOIST TOLERANCE TOP OF MASONRY TOP OF PARAPET TOP OF PAVEMENT TOP OF SHEATHING TOP OF SLAB TOP OF STEEL TOP OF WALL OR TOP OF WALK TOILET PAPER DISPENSER TOILET PARTITION TRANSITION TUBS TELEVISION TOWEL BAR TYPICAL UNDERCUT UNDERGROUND UNDERWRITER'S LABORATORY UNFINISHED UNLESS OTHERWISE NOTED URINAL UNREINFORCED MASONRY UTILITY VARIES VINYL BASE VINYL COMPOSITION TITLE VERIFY VERTICAL VESTIBULE VINYL FABRIC VINYL FACED ACOUSTIC TILE RIGHT HAND REVERSE V-JOINT(ED) VENEER VAPOR RETARDER VENT THROUGH ROOF VINYL WALL COVERING WEST WHERE OCCURS WITHOUT WALL TO WALL WOOD BLOCKING WATER CLOSET WOOD WOOD PANELING WINDOW WIDE FLANGE WOOD FURRING STRIP WIRED GLASS WATER HEATER WALL HUNG WROUGHT IRON WIDTH, WIDE WELD(ED) WIRE MESH WATERPROOF(ING) WORKING POINT WIRE ROPE WOOD SCREW WAINSCOT WEIGHT WELDED WIRE FABRIC CROSS BRACE TRANSFORMER CROSS SECTION SINGLE SHOWER SHEET(ING) SHEATHING SHELVES(ING) SIMILAR SINK SKYLIGHT SEALED SLIDE(ING) SOLDER SEALANT SLEEVE SHEET METAL SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION SEAMLESS SHEET METAL SCREW SANITARY NAPKIN DISPENSER SOUND INSULATION SANITARY NAPKIN DISPOSAL UNIT SEALANT SPACES SUSPENDED PLASTER CEILING SOAP DISPENSER SPECIFICATION(S) SUPPORT SQUARE STAINLESS STEEL SERVICE SINK
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SYMBOLS LEGEND

	N = PLAN NORTH ARROW ADDITIONAL ARROW INDICATES TRUE NORTH
	X = SHEET SECTION NUMBER A.X.X. = SHEET NUMBER
	X = WALL SECTION NUMBER A.X.X. = SHEET NUMBER
	X = EXTERIOR ELEVATION NUMBER A.X.X. = SHEET NUMBER
	X = INTERIOR ELEVATION NUMBER A.X.X. = SHEET NUMBER N, S, E, W = INDICATES CARDINAL DIRECTION
	GRID LINE, FACE OF STRUCTURE
	GRID LINE, CENTER OF STRUCTURE
	ELEVATION OR DATUM POINT
	WORK POINT
	REFERENCE DETAIL X = DETAIL DRAWING NUMBER A.X.X. = SHEET NUMBER
	MATCH LINE AND AREA DESIGNATOR SHADED PORTION IS THE SIDE CONSIDERED
	ROOM NAME A119
	ROOM NAME A101A
	KEYNOTE 08 = SPECIFICATION DIVISIONAL PREFIX 211 = SPECIFICATION SUBSECTION PREFIX 11 = NOTE NUMBER
	REVISION
	CASEWORK TAG 102 = ARCHITECTURAL WOODWORK STANDARD (AWS) NUMBER 36" x 24" x 24" = WIDTH x HEIGHT x DEPTH LOCKABLE = MODIFYING NOTE
	PATH OF EGRESS 41 = OCCUPANT LOAD STARTING POINT OF PATH OF TRAVEL TO EXIT MARKED BY DOT AT THE BEGINNING OF EGRESS LINE
	PANIC HARDWARE DEVICE - REFERENCE DOOR SCHEDULE AND HARDWARE GROUP
	SIGNAGE TAG

MATERIALS LEGEND

	EARTH		BATT INSULATION
	POROUS FILL (STONE, GRAVEL, ETC.)		RIGID INSULATION
	CONCRETE		GYPSUM BOARD
	GROUT		PLYWOOD
	STEEL		METAL LATH AND PLASTER
	FINISHED WOOD		
	TERRAZZO		
	WOOD BLOCKING		
	WOOD FRAMING		

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122281 INC:
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 03/19/2024

STUDIO W
ARCHITECTS

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ARCHITECT

ENGINEER

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REVISION HISTORY

NO.	REMARKS	DATE

DRAWING STATUS
☐ DSA PLAN CHECK
☐ DSA BACK CHECK
☐ BIDDING
☐ CONSTRUCTION

DATE

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS
WUSD RIVER CITY HIGH
SCHOOL
ESSR III
1 RAIDER LANE
WEST SACRAMENTO, CA 95691

ARCHITECTURAL
SYMBOLS AND
ABBREVIATIONS

Date
03/14/2024

Application Number
02-122281

Drawn
Author

Checked
Checker

Project Number
22047

Drawing Number
02-122281

A0.3

This is a detailed architectural site plan for a school campus. The plan shows a variety of buildings, including a large oval-shaped building (likely a gymnasium or auditorium) and several rectangular buildings of different sizes. Parking lots are distributed throughout the campus, with specific areas designated for visitors, students, and events. The plan also includes several gates, a rec center, a visitor center, and a Knox box. A north arrow is located in the bottom right corner, and a scale bar indicates that 1 inch equals 100 feet. The plan is labeled with various codes and numbers, including '02-107781' and '02-115'.

Buildings and Areas:

- BUILDING A** DSA# 02-107781
- BUILDING B** DSA# 02-107781
- BUILDING C** DSA# 02-107781
- BUILDING D** DSA# 02-107781
- BUILDING E** DSA# 02-107781
- BUILDING F** DSA# 02-107781
- BUILDING G** DSA# 02-107781
- BUILDING H** DSA# 02-107781
- BUILDING I** DSA# 02-107781
- BUILDING J** DSA# 02-107781
- BUILDING K** DSA# 02-107781
- BUILDING L** DSA# 02-107781
- BUILDING M** DSA# 02-107781

Parking Areas:

- (E) REC CENTER PARKING** 67 SPACES
- (E) VISTOR PARKING** 24 SPACES
- (E) VISTOR/STAFF PARKING** 146 SPACES
- (E) STUDENT PARKING** 79 SPACES
- (E) STUDENT PARKING** 92 SPACES
- (E) STUDENT/ EVENT PARKING** 246 SPACES
- (E) STUDENT/ EVENT PARKING** 143 SPACES
- ACCESSIBLE PARKING** DSA# 02-107781 INC. 2

Other Features:

- (E) GATE**
- (E) KNOX BOX LOCATED ON BUILDING A**
- SOLAR PANELS**
- ADA RESTROOMS** DSA# 02-107781 INC. 4
- 02-115**
- 33 101**
- DF**
- N**
- G**
- B**
- E**
- BF**
- W**
- M**
- INC. 2**
- INC. 4**

Scale and Orientation:

- 1" = 100'-0"**
- N** (North Arrow)

Code Analysis Site Plan

CODE ANALYSIS		
BUILDING NAME	METAL SHADE STRUCTURE	FABRIC SHADE STRUCTURE
BUILDING CONDITION	NEW	NEW
OCCUPANCY (CBC SECTION 302)	A-3	A-3
BUILDING HEIGHT	15'-0"	15'-0"
NUMBER OF STORIES	1	1
TYPE OF CONSTRUCTION	II-B	V-B
SPRINKLERS	NO (CAMPUS IS SPRINKLERED)	NO (CAMPUS IS SPRINKLERED)
SHADE STRUCTURE SQUARE FOOTAGE	1,920 SF	1,200 SF

LOCATION: PER DSA IR 31-1, SECTION 5.1:
 "SHADE STRUCTURES (SS) PROPOSED FOR LOCATION WITHIN THE FRONTAGE AREA OF A NEW OR EXISTING BUILDING DO NOT INCREASE THE FLOOR AREA OF THAT BUILDING WHEN LOCATED WITHIN THE FRONTAGE AREA OF A BUILDING WHERE THE FRONTAGE HAS BEEN USED FOR AN AREA FACTOR INCREASE. THE SS SHALL NOT EXCEED 1/3 OF THE PROJECTED HORIZONTAL AREA OF THE FRONTAGE AREA WHERE LOCATED."

FIRE SPRINKLERS: ALTHOUGH EXISTING SCHOOL/BUILDING IS FULLY SPRINKLERED, PER DSA IR 31-1 SECTION 6, AN "AUTOMATIC FIRE SPRINKLER SYSTEM IS NOT REQUIRED FOR FREE-STANDING SHADE STRUCTURES...THEREFORE, NO SPRINKLERS HAVE BEEN ADDED TO NEW SHADE STRUCTURES."

FIRE ALARM: PER DSA IR 31-1, "OCCUPANTS OF SHADES STRUCTURE SHALL BE CAPABLE OF HEARING THE CAMPUS FIRE ALARM SIGNAL". REFER TO SITE PLAN FOR LOCATION OF FIRE ALARM NOTIFICATION APPLIANCES ADJACENT TO SHADE STRUCTURE.

REFER TO ENLARGED PLAN FOR ADDITIONAL INFORMATION ON SHADE TYPE OF CONSTRUCTION, OCCUPANCY TYPE, AND EGRESS.

CIVIL ABBREVIATIONS AND LEGEND

ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.	
AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JF	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
R	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TR	TOP OF RAMP ELEVATION
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

	STORM DRAIN LINE (SIZE AND FLOW SHOWN)
	STORM DRAIN MANHOLE (SDMH)
	CATCH BASIN (CB)
	DROP INLET (DI)
	AREA DRAIN (AD)
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
	STORM DRAIN CLEANOUT
	ELEVATION
	FINISHED FLOOR ELEVATION
	BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
	GRADED DIRECTION FOR DRAINAGE FLOW
	SWALE
	SLOPE
	TREE TO BE REMOVED
	RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
	SANITARY SEWER MANHOLE (SSMH)
	SEWER CLEANOUT/FLUSHER BRANCH

PROPOSED WATER SYMBOLS:

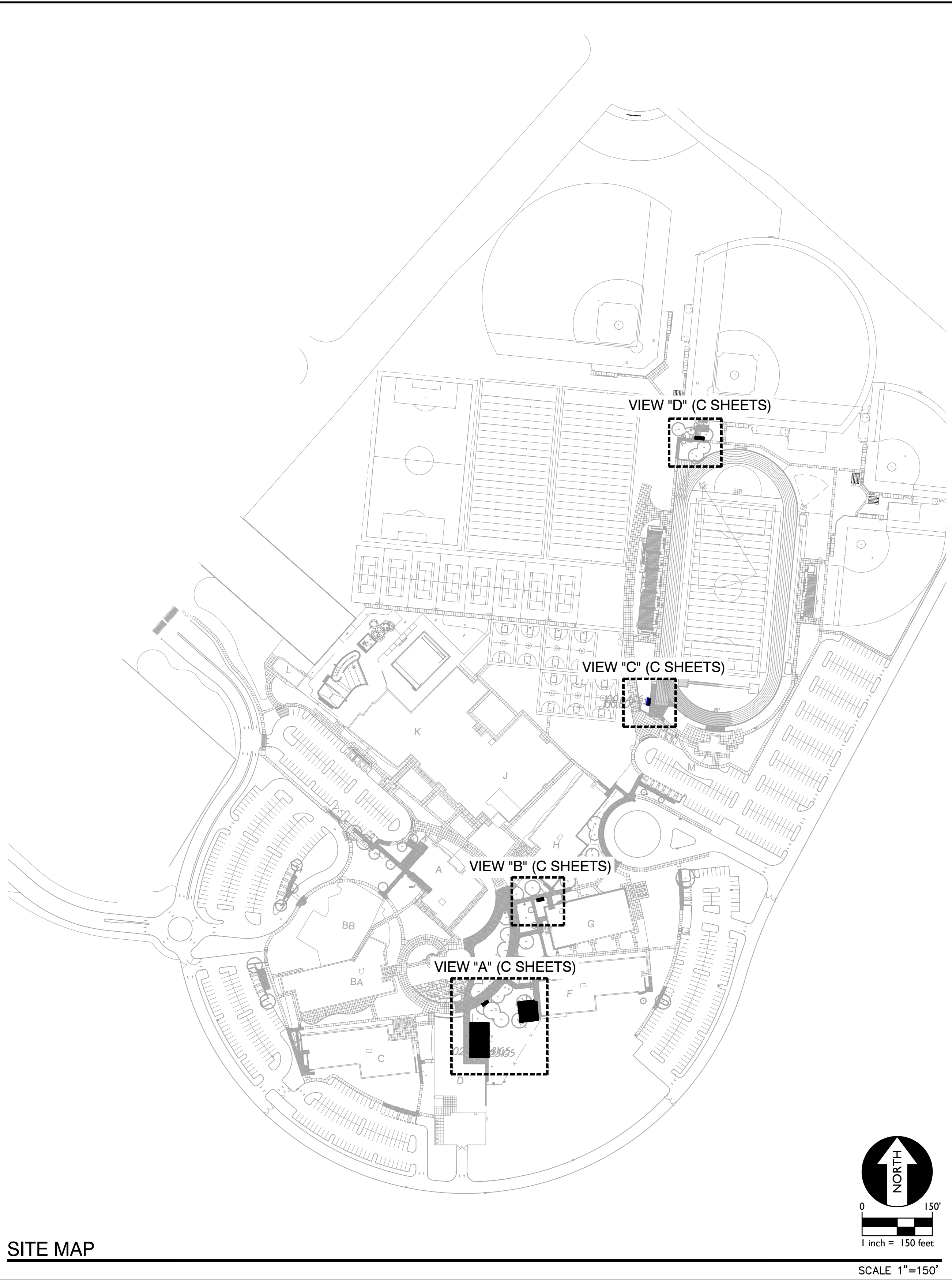
	WATER LINE & SIZE
	FIRE LINE & SIZE
	DOMESTIC WATER LINE & SIZE
	RECLAIMED WATER LINE & SIZE
	IRRIGATION SERVICE LINE & SIZE
	NON POTABLE WATER LINE & SIZE
	FIRE SPRINKLER SERVICE LINE & SIZE
	GATE VALVE
	WATER METER
	FIRE HYDRANT ASSEMBLY
	FIRE DEPARTMENT CONNECTION
	DETECTOR CHECK VALVE
	DOUBLE DETECTOR CHECK VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	BUTTERFLY VALVE
	AIR RELEASE VALVE + SIZE
	BLOW-OFF VALVE + SIZE
	POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

- REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
- SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
- PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
- WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
- COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

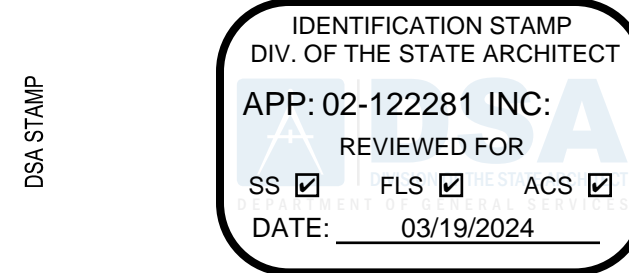
GENERAL NOTES

- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
- WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
- IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
- IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
- NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
- SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
- ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "JEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
- CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
- EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
- NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
- WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
- ALL CONSTRUCTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
- ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
- 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB CONSTRUCTION.
- SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
- ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
- REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.
- AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
- WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
- GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.
- ALL TRANSITIONS TO EXISTING PAVEMENT SHAL BE A SMOOTH AND LEVEL TRANSITION.
- WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
- SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
- ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
- FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
- PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES 0.0% DEFINED BY SPOT ELEVATIONS.
- WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.8% IN ANY DIRECTION.
- TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.
- TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE.
- THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1%.

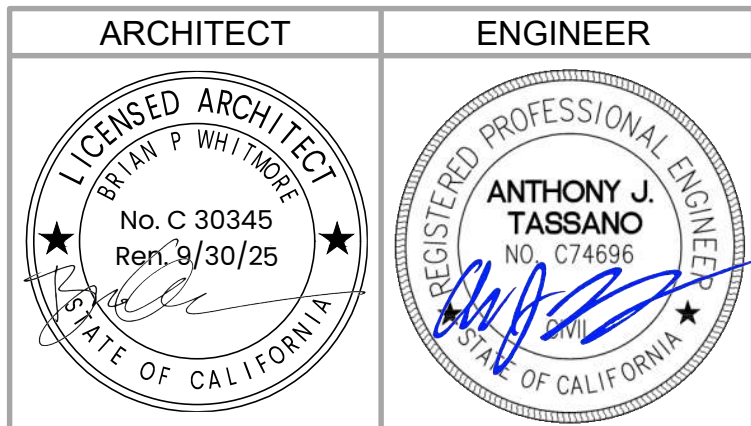


CIVIL SHEET INDEX

- C0.0 CIVIL GENERAL NOTES AND ABBREVIATIONS
- C0.1 TOPOGRAPHIC SURVEY
- C1.1 DEMOLITION PLAN
- C2.1 GRADING AND PAVING PLAN
- C3.1 UTILITY PLAN
- C4.1 DETAILS AND SECTIONS



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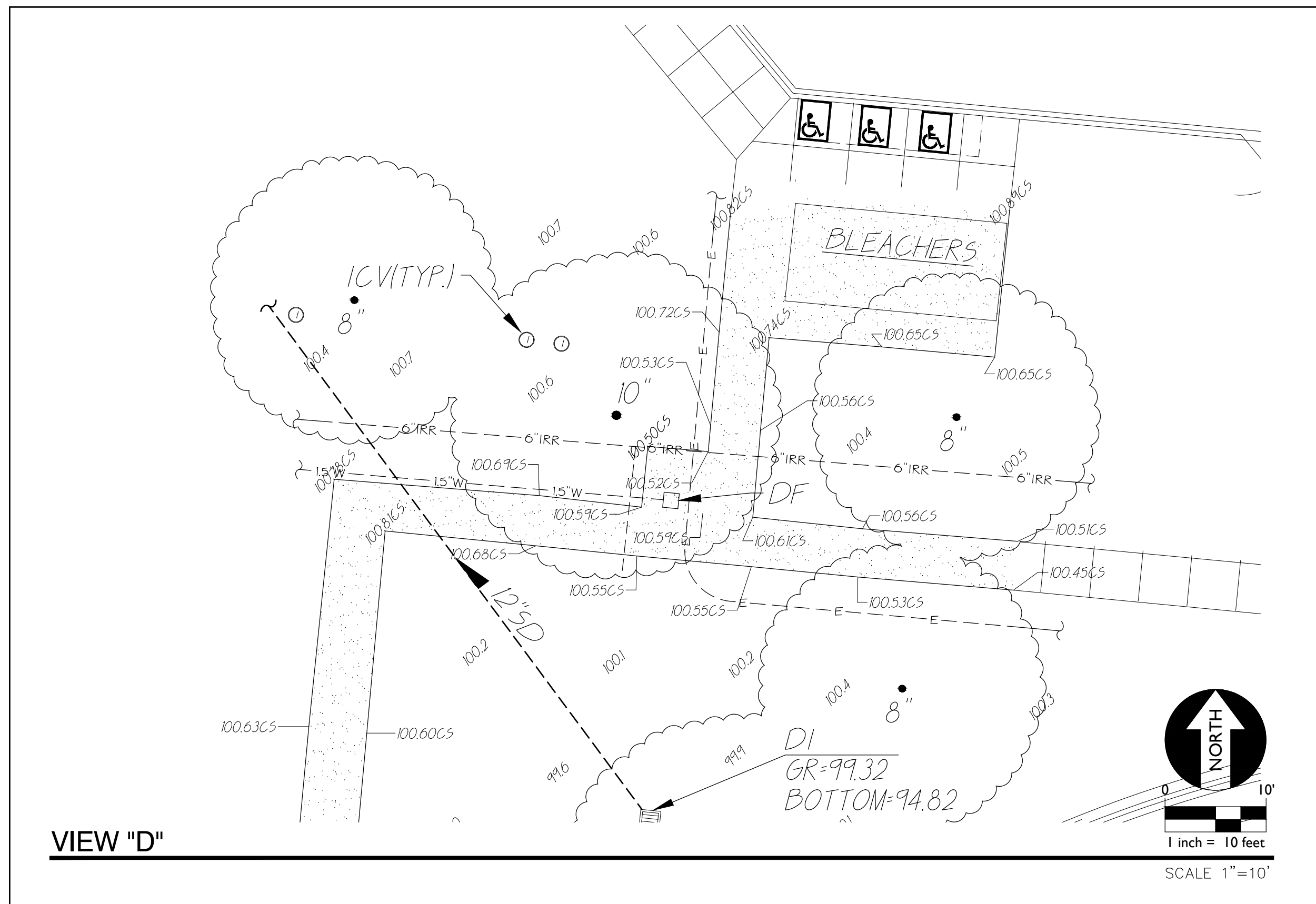
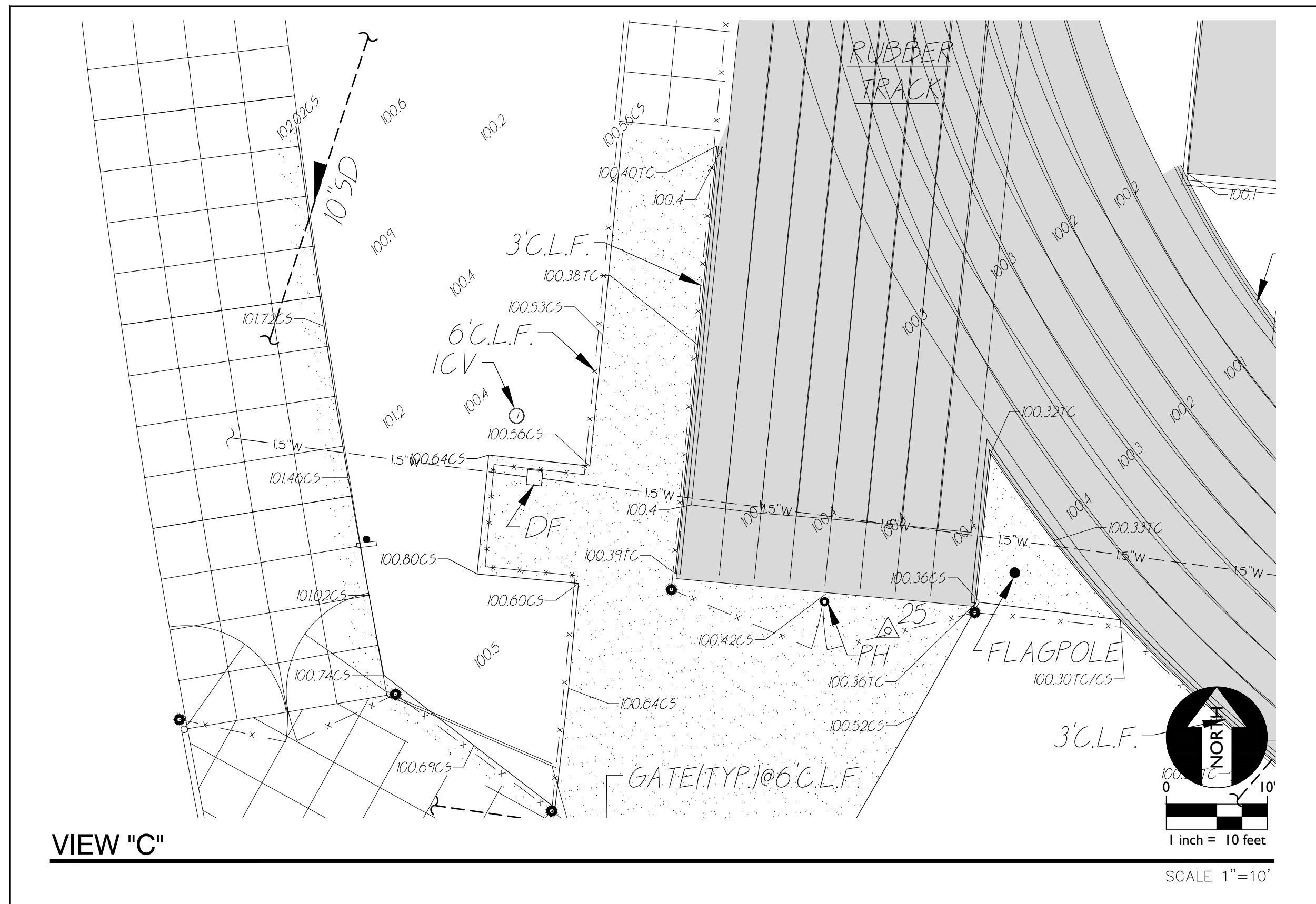
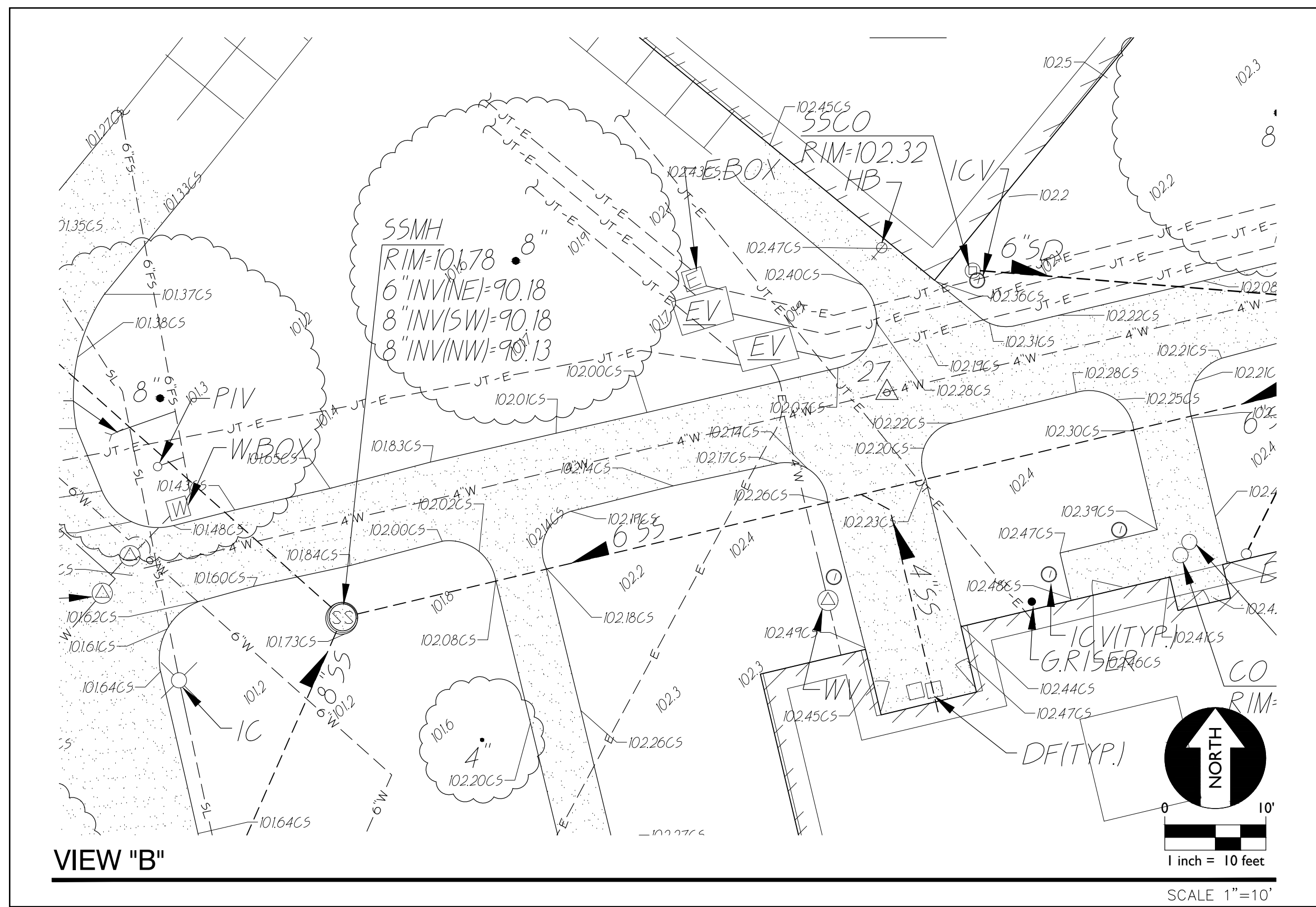
WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
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CONSTRUCTION DOCUMENTS

WUSD RIVER CITY HIGH
SCHOOL
ESSR III
1 RAIDER LANE
WEST SACRAMENTO, CA 95691

CIVIL GENERAL
NOTES AND
ABBREVIATIONS

Date 11/20/2023	Project Number 22047
Application Number .	Drawing Number C0.0
Drawn AT	Checked AT



ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

?? UNKNOWN
AC ASPHALTIC CONCRETE
AD ACCESSIBLE
ACU AIR CONDITIONING UNIT
APN ASSESSOR'S PARCEL NUMBER
ARV AIR RELEASE VALVE
BBL BASKETBALL POLE
BCM BRASS CAP MONUMENT
BFP BACK FLOW PREVENTER
BL BLOCK
BLDG BUILDING
BOL BOLLARD
BOV BLOW-OFF VALVE
BRF BRICK
BWF BARBED WIRE FENCE
C COMMUNICATION
CATV CABLE TELEVISION
CIP CAPPED IRON PIPE
C/L.F. CHAIN LINK FENCE
CMP CORRUGATED METAL PIPE
COL CLEANOUT
CONC CONCRETE
COND CONDENSATE
CPF CONTROL POINT FOUND
C/P CENTERLINE
CS CONCRETE SURFACE
DFS DECOMPOSED GRANITE
DI DROP INLET
DS DOWNSPOUT
DWG DRAWING
E ELECTRIC
E.P. EDGE OF PAVEMENT
EVA ELECTRICAL VAULT
FA FIRE ALARM
FDC FIRE DEPARTMENT CONNECTION
FFL FINISHED FLOOR ELEVATION
FH FIRE HYDRANT
FL FLOWLINE
FO FIBER OPTIC
FS FIRE SERVICE
G GAS
GB GRADE BREAK
GR GRATE
GRB GROUND ROD BOX
GRD GROUND ROD
GV GAS VALVE

HB HOSE BIBB
HBB HOSE BIBB BOX
HBD HEADER BOARD
HP HIGH PRESSURE
HVE HIGH VOLTAGE ELECTRIC
IC IN CONCRETE
ICP IRRIGATION CONTROL PANEL
ICV IRRIGATION CONTROL VALVE
INV PIPE INVERT ELEVATION
IRR IRRIGATION
JF JOINT UTILITY POLE
JT JOINT TRENCH
LNDG LANDSCAPE
LVE LOW VOLTAGE ELECTRIC
M METAL
MH MANHOLE
MOW MOW STRIP
MSC METAL STORAGE CONTAINER
NTS NOT TO SCALE
OH OVERHEAD
O/H OVERHANG
OP OPEN IRON PIPE
PA PLANTER AREA
PH POSTHOLE
PIV POST INDICATOR VALVE
P/L PROPERTY LINE
PP POWER POLE
PUE PER RECORD INFORMATION
PUE PUBLIC UTILITY EASEMENT
PVC POLYVINYL CHLORIDE
R RUBBER
RIM MANHOLE RIM ELEVATION
ROW RIGHT OF WAY
RW RETAINING WALL
RWD REDWOOD TREE
RWL RAIN WATER LEADER
SB SIGNAL BOX
SDM STORM DRAIN
SDMH STORM DRAIN MANHOLE
SIG SIGNAL
SLB STREET LIGHT BOX
SS SANITARY SEWER
SSC SANITARY SEWER CLEANOUT
STL STEEL
TEL TELEPHONE
TET TETHER BALL POLE
TBM TEMPORARY BENCHMARK

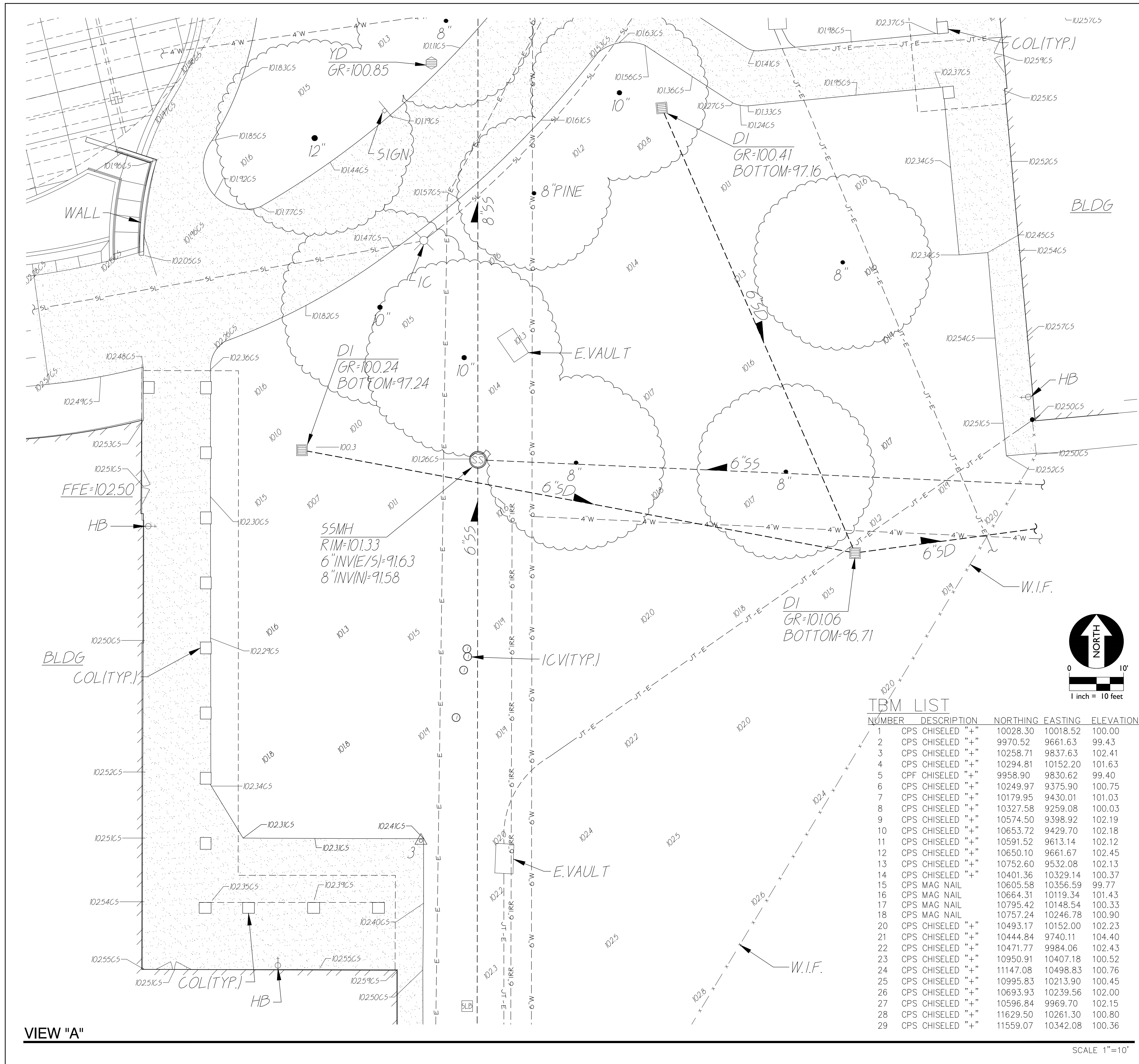
EXISTING TOPOGRAPHY

--- = PROPERTY LINE
--- = CENTERLINE
--- = EASEMENT
--- = PROPERTY CORNER FOUND AS NOTED
--- = PROPERTY CORNER NOTHING FOUND OR SET
--- = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
--- = SWALE OR DRAINAGE FLOW
--- = DRAINAGE FLOW
--- = FENCE (TYPE NOTED)
--- = TREE (SIZE/TYPE INDICATED)
--- = SLOPE
--- = CONTOUR
--- = CONCRETE SURFACE
--- = EDGE OF ASPHALT
--- = EDGE OF BUILDING
--- = SIGN
--- = POST OR BOLLARD
--- = GROUND ELEVATION
--- = HARD SURFACE ELEVATION

EXISTING UTILITIES

--- 12"SD --- = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW)
--- 12"SD --- = STORM DRAIN LINE (RECORD INFORMATION)
--- 12"SD --- = STORM DRAIN LINE (UNDERGROUND LOCATING)
--- 12"SD --- = STORM DRAIN MANHOLE
--- 12"SD --- = STORM DRAIN CLEANOUT
--- 12"SD --- = drop inlet
--- 12"SD --- = AREA DRAIN
--- 12"SD --- = RAIN WATER LEADER
--- 12"SD --- = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
--- 12"SD --- = SANITARY SEWER LINE (RECORD INFORMATION)
--- 12"SD --- = SANITARY SEWER LINE (UNDERGROUND LOCATING)
--- 12"SD --- = SANITARY SEWER MANHOLE
--- 12"SD --- = SANITARY SEWER CLEANOUT
--- 12"SD --- = WATER LINE (SIZE INDICATED)
--- 12"SD --- = WATER LINE (RECORD INFORMATION)
--- 12"SD --- = WATER LINE (UNDERGROUND LOCATING)
--- 12"SD --- = WATER MANHOLE
--- 12"SD --- = WATER VALVE
--- 12"SD --- = WATER METER
--- 12"SD --- = WATER BOX
--- 12"SD --- = IRRIGATION CONTROL VALVE
--- 12"SD --- = FIRE HYDRANT
--- 12"SD --- = BACKFLOW PREVENTER

--- = SPRINKLER
--- = HOSE BIBB
--- OH-E --- = OVERHEAD ELECTRIC LINE
--- E --- = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
--- E --- = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
--- E --- = ELECTRIC MANHOLE
--- E --- = UTILITY POLE (WITH GUY WIRE)
--- E --- = ELECTRIC METER
--- E --- = ELECTRIC BOX
--- E --- = STREET LIGHTING BOX
--- E --- = LIGHT STANDARD
--- E --- = SIGNAL LIGHT
--- E --- = FLOOD LIGHT
--- E --- = ELECTRICAL OUTLET
--- E --- = GAS LINE (SIZE INDICATED)
--- E --- = GAS LINE (RECORD INFORMATION)
--- E --- = GAS LINE (UNDERGROUND LOCATING)
--- E --- = GAS MANHOLE
--- E --- = GAS VALVE
--- E --- = GAS METER
--- E --- = TELEPHONE LINE
--- E --- = TELEPHONE LINE (RECORD INFORMATION)
--- E --- = TELEPHONE LINE (UNDERGROUND LOCATING)
--- E --- = STORM DRAIN BOX
--- E --- = TRAFFIC SIGNAL BOX



TBM LIST			
NUMBER	DESCRIPTION	NORTHING	EASTING
1	CPS CHISELED "+"	10028.30	10018.52
2	CPS CHISELED "+"	9970.52	9661.63
3	CPS CHISELED "+"	10258.71	9837.63
4	CPS CHISELED "+"	10294.81	10152.20
5	CPS CHISELED "+"	9958.90	9830.62
6	CPS CHISELED "+"	10249.97	9375.90
7	CPS CHISELED "+"	10179.95	9430.01
8	CPS CHISELED "+"	10327.58	9259.08
9	CPS CHISELED "+"	10574.50	9398.92
10	CPS CHISELED "+"	10553.72	9429.70
11	CPS CHISELED "+"	10591.52	9613.14
12	CPS CHISELED "+"	10650.10	9661.67
13	CPS CHISELED "+"	10752.60	9532.08
14	CPS CHISELED "+"	10401.36	10329.14
15	CPS MAG NAIL	10605.58	10356.59
16	CPS MAG NAIL	10664.31	10119.34
17	CPS MAG NAIL	10795.42	10148.54
18	CPS MAG NAIL	10757.24	10246.78
20	CPS CHISELED "+"	10493.17	10152.00
21	CPS CHISELED "+"	10444.84	9740.11
22	CPS CHISELED "+"	10471.77	9984.06
23	CPS CHISELED "+"	10950.91	10407.18
24	CPS CHISELED "+"	11147.08	10498.83
25	CPS CHISELED "+"	10995.83	10213.90
26	CPS CHISELED "+"	10693.93	10239.56
27	CPS CHISELED "+"	10596.84	9969.70
28	CPS CHISELED "+"	11629.50	10261.30
29	CPS CHISELED "+"	11559.07	10342.08

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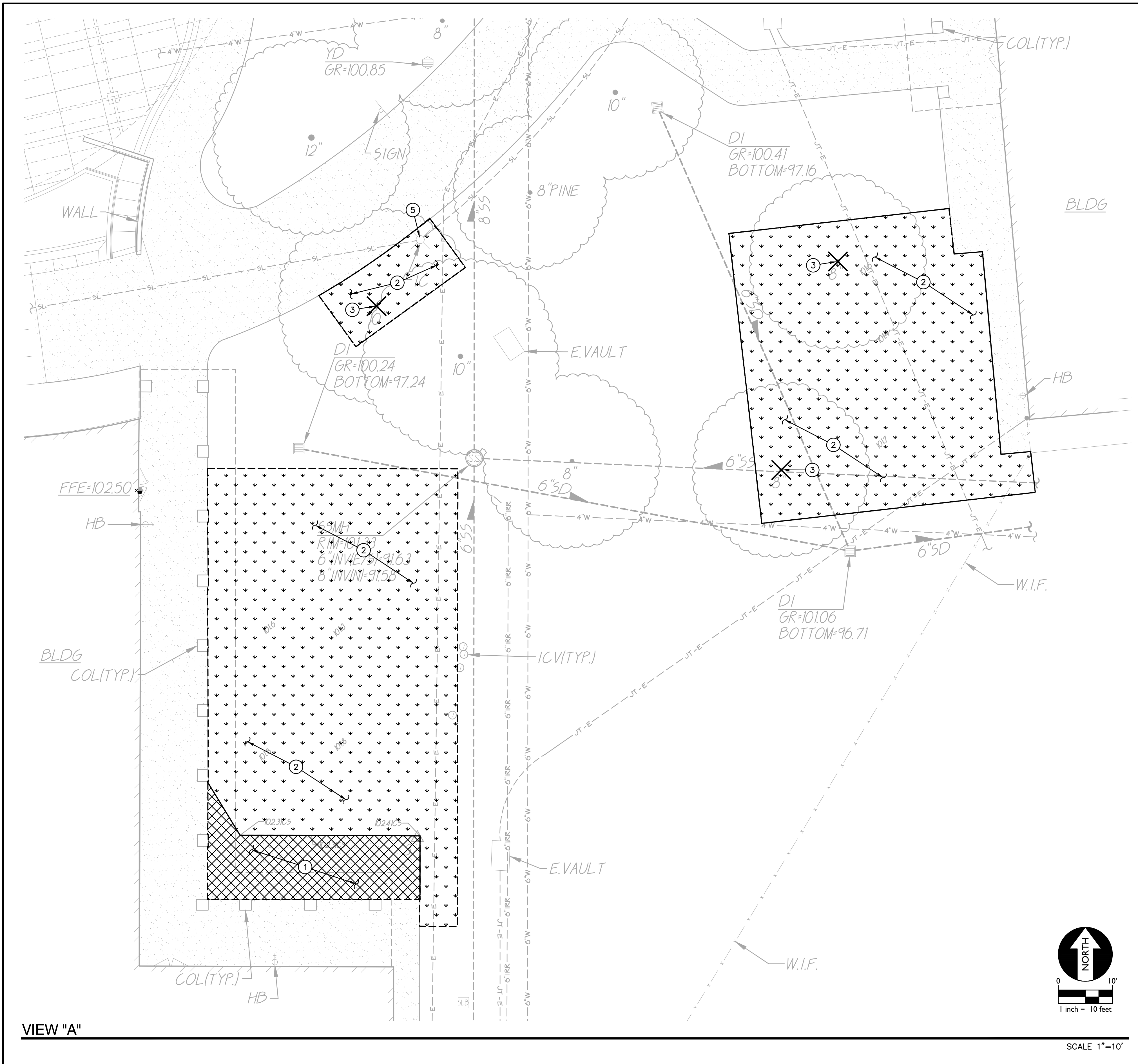
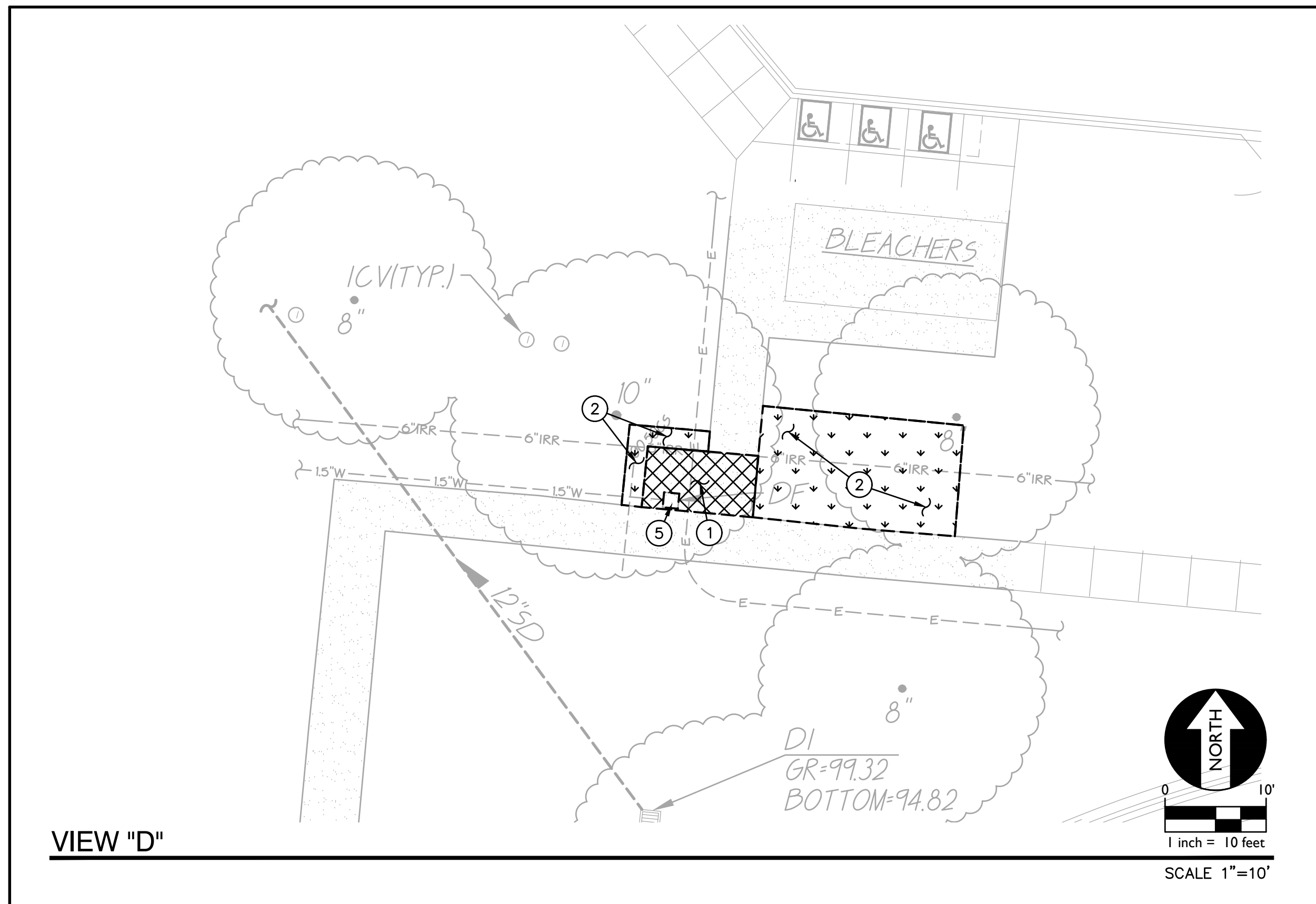
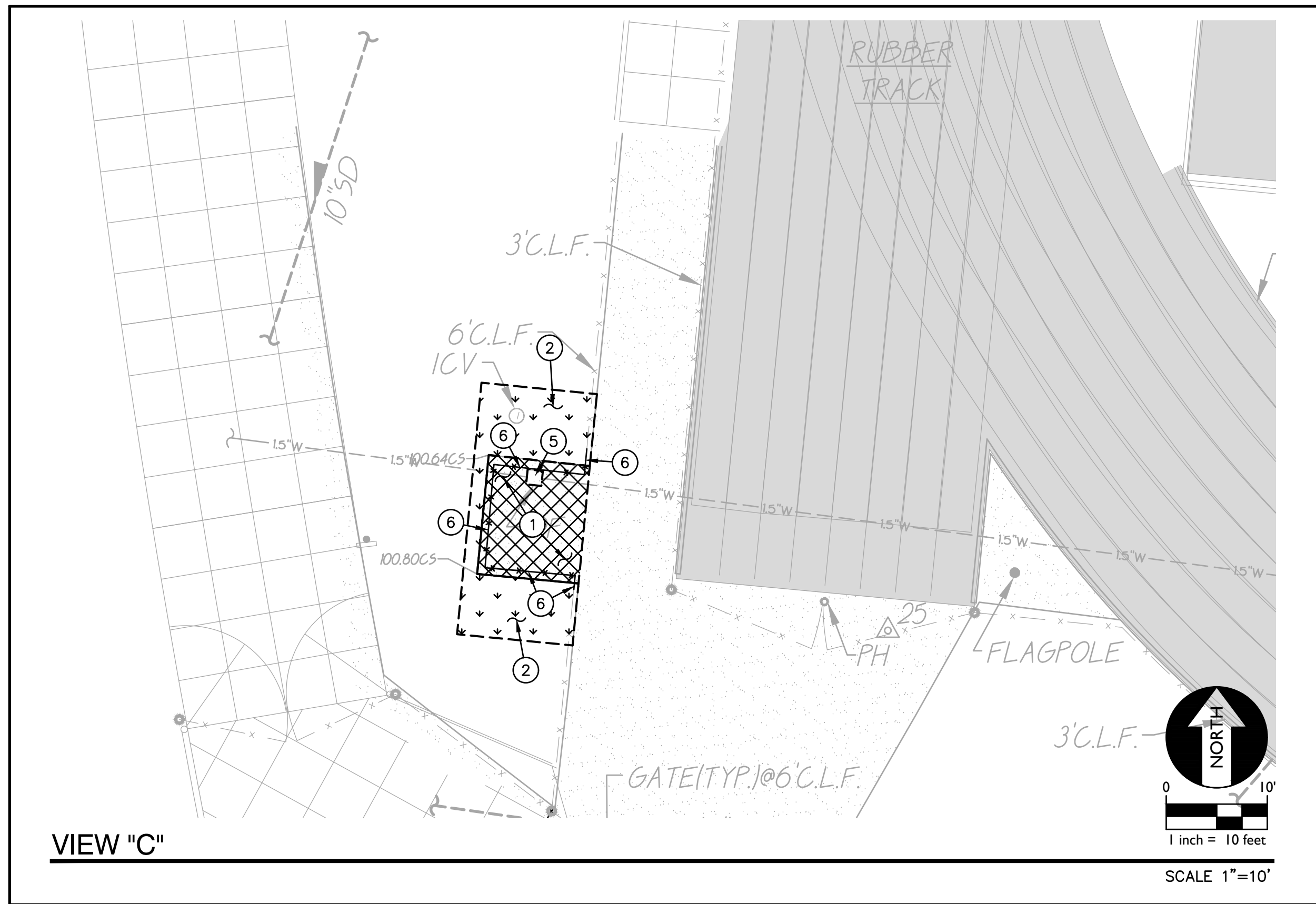
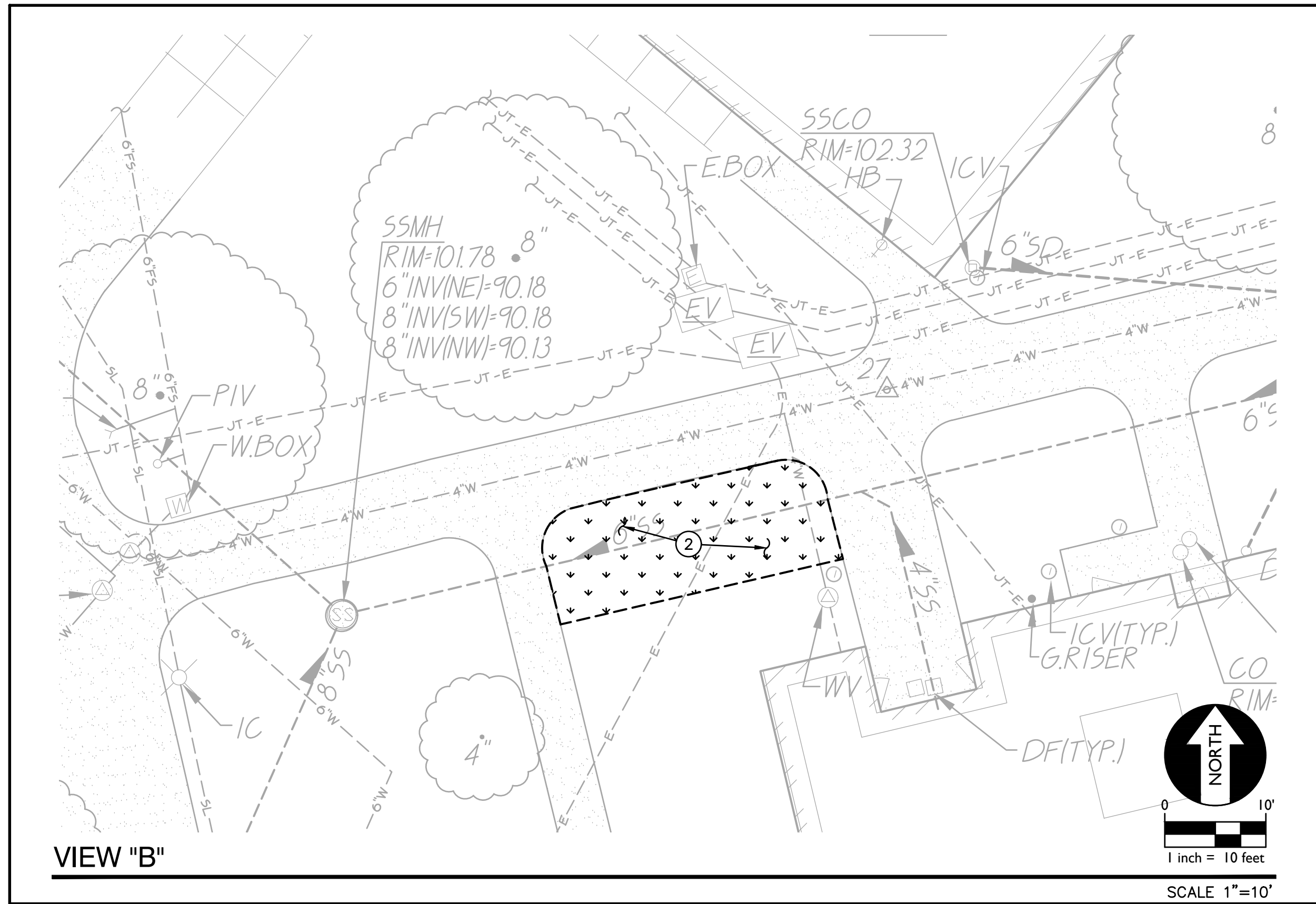
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TOPOGRAPHIC SURVEY

Date: 11/20/2023
Application Number: 22047
Project Number: 22047
Drawing Number: C0.1
Drawn: AT
Checked: AT



- DEMOLITION NOTES**
1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING TO NEAREST JOINT AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
 2. REMOVE AND DISPOSE OF EXISTING LANDSCAPING, TURF AND ASSOCIATED IRRIGATION PIPING/SPRINKLERS WITHIN AREAS OF WORK. CUT AND CAP ANY MAINLINES NEAR WHERE THEY ENTER THE BOUNDARY OF THE PROJECT. MARK ALL CAPPED LINES WITH AN IRRIGATION VALVE BOX. ALL EXISTING IRRIGATION AREAS OUTSIDE THE PROJECT WORK AREA SHALL BE PRESERVED AND OPERATIONAL. INTEGRITY SHALL BE MAINTAINED WITH PROPER SPRINKLER COVERAGE TO TURF AREAS TO REMAIN.
 3. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
 4. EXISTING LIGHT STANDARD TO REMAIN.
 5. REMOVE AND DISPOSE OF EXISTING DRINKING FOUNTAIN. CAP EXISTING SEWER PIPE BELOW GRADE.
 6. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS AND ASSOCIATED FOOTINGS TO EXTENT SHOWN.

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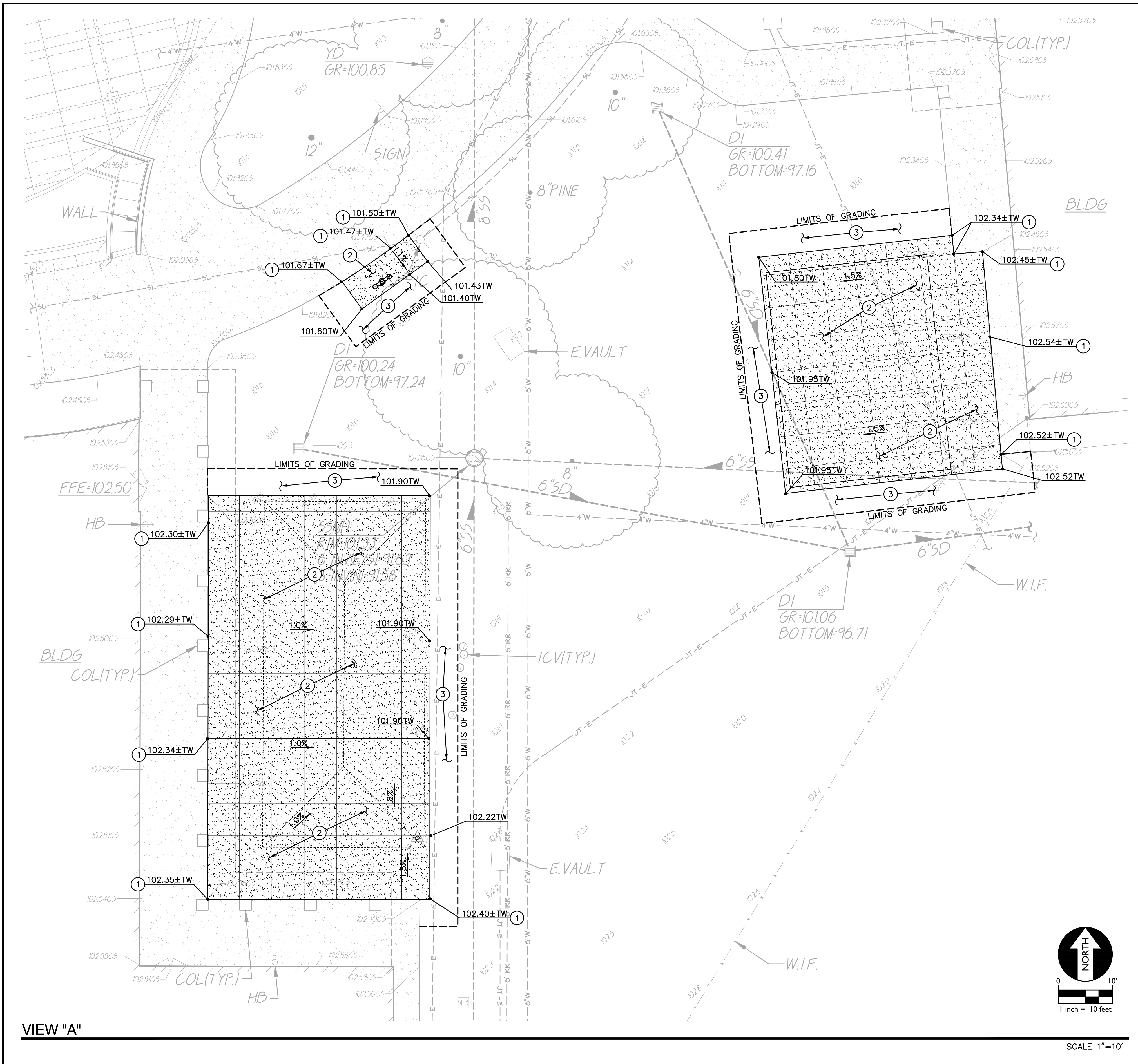
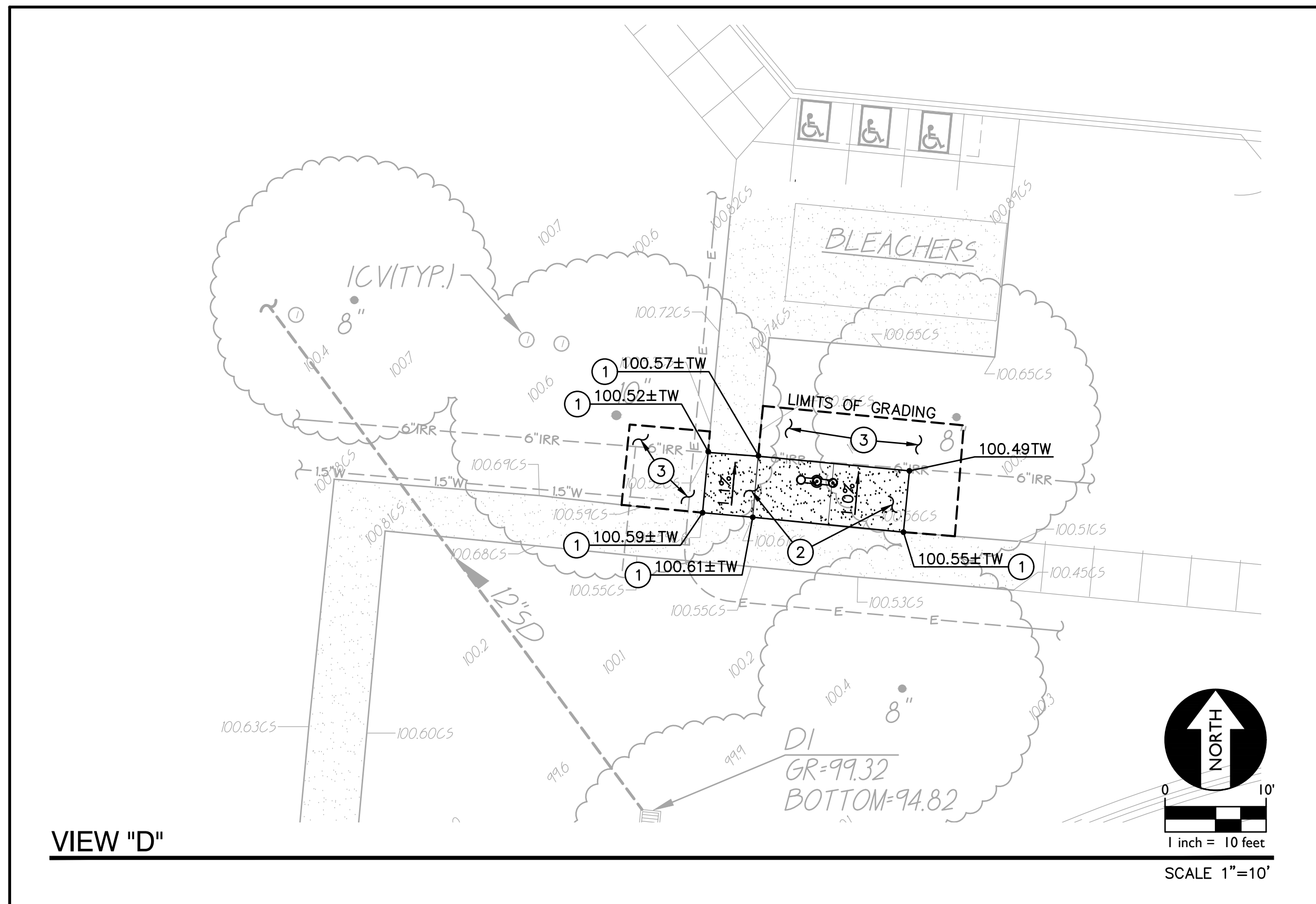
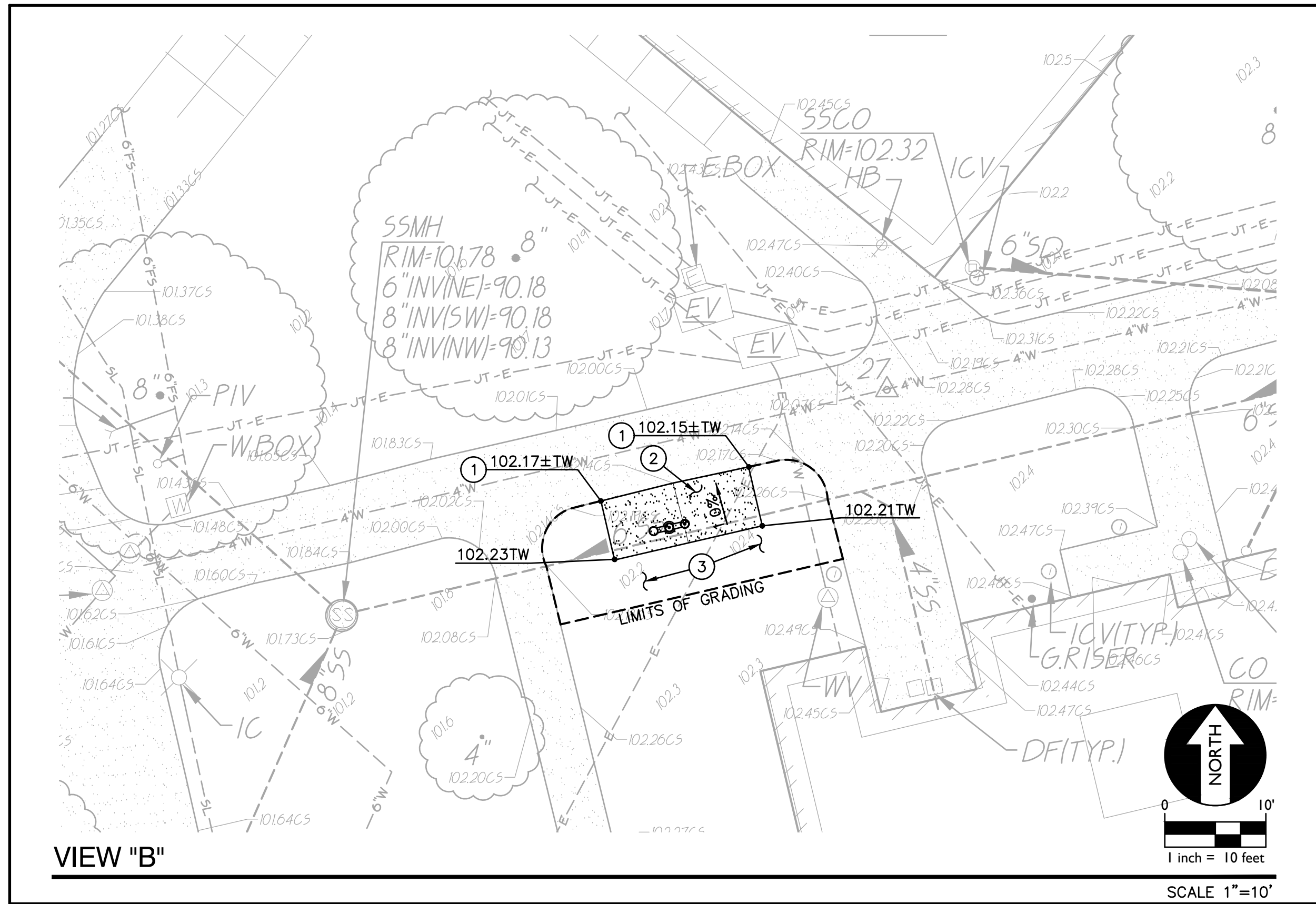
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DEMOLITION PLAN

Date 11/20/2023	Project Number 22047
Application Number	Drawing Number
Drawn AT	Checked AT

C1.1



SUBGRADE PREPARATION

1. FOLLOWING SITE DEMOLITION ACTIVITIES:

EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD.

GRADING AND PAVING NOTES

1. MATCH EXISTING GRADE/ELEVATION.

2. CONSTRUCT CONCRETE FLATWORK PER PLACE 5" PCC WITH #4 REBAR AT 24" O.C.E.W. OVER 12" CLASS II AB ON A TENSAR BX1100 GEOGRID ON COMPACTED SUBGRADE.

3. PLACE SOD IN ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT TO RECEIVE PAVEMENT. PROVIDE NEW SPRINKLER HEADS AND PIPING AS REQUIRED TO ACHIEVE PROPER COVERAGE.

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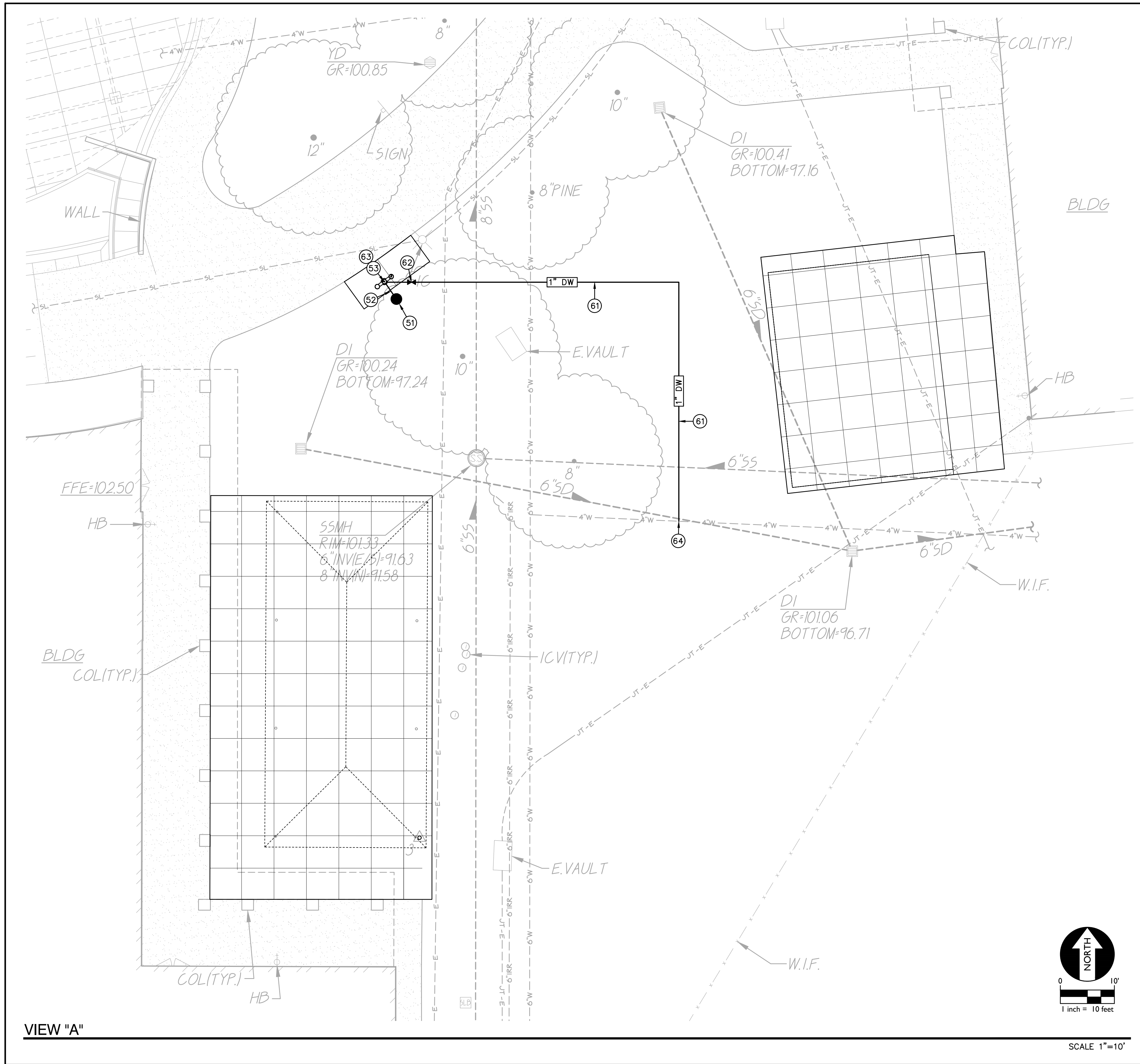
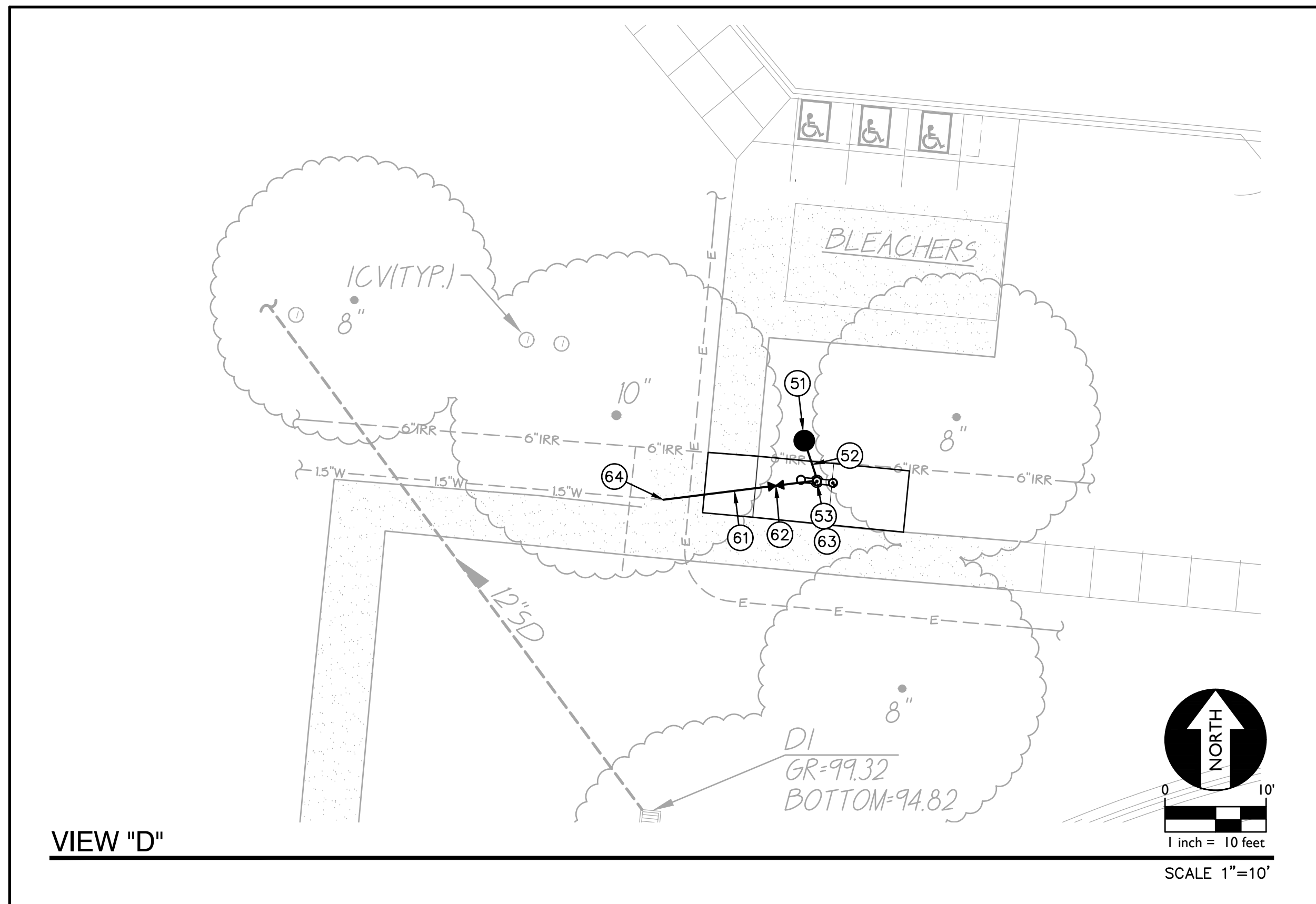
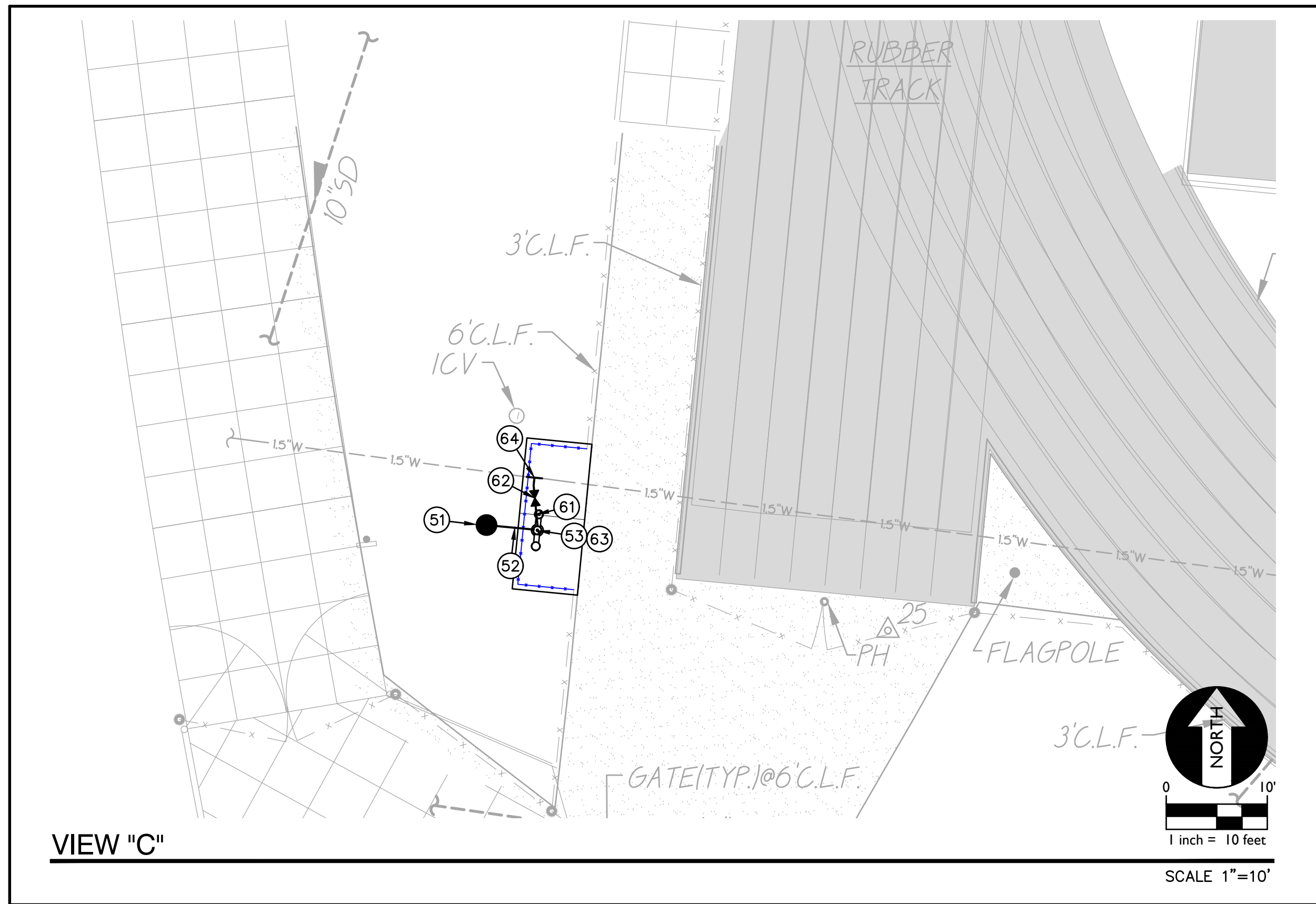
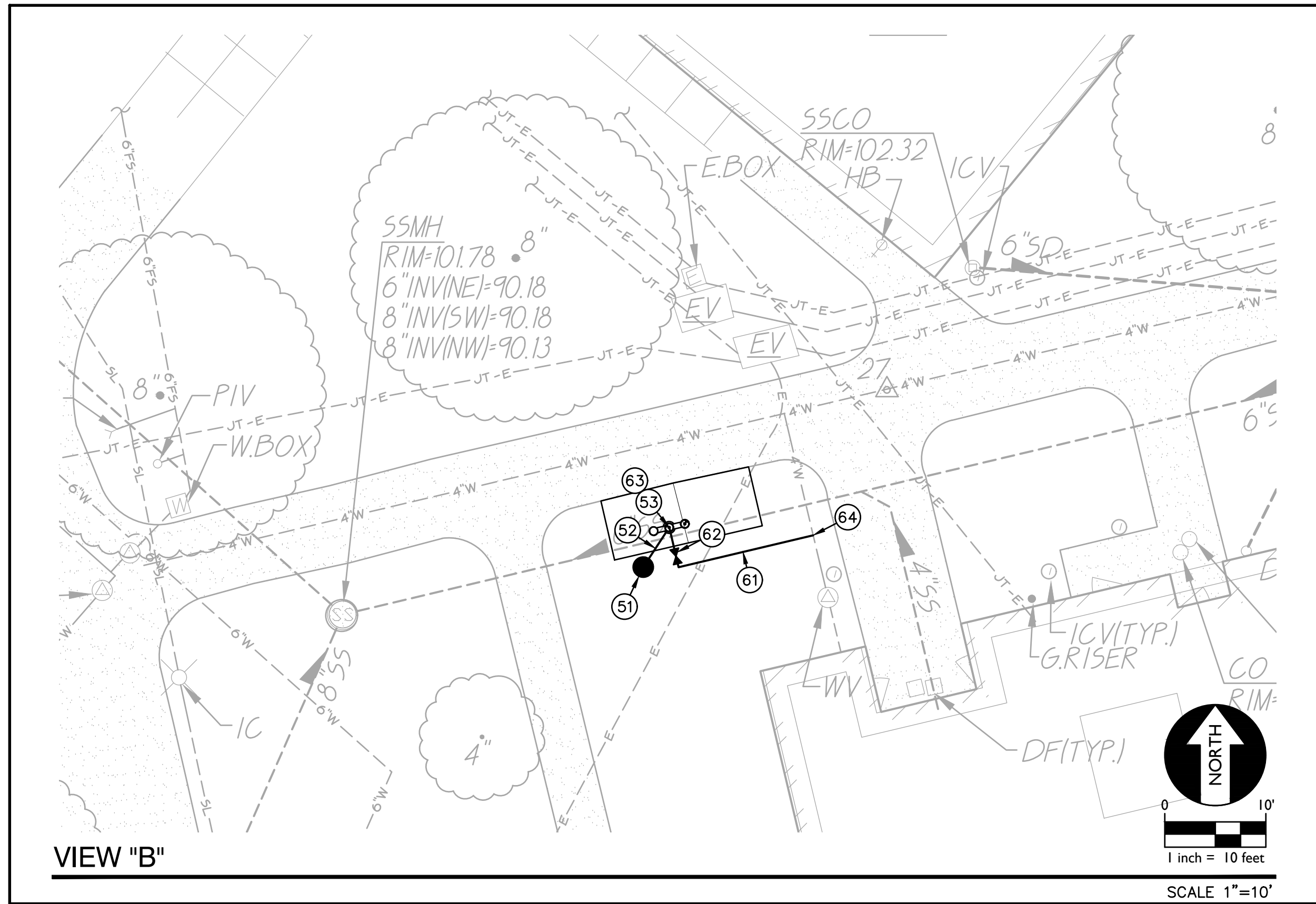
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GRADING AND
PAVING PLAN

Date 11/20/2023	Project Number 22047
Application Number	Drawing Number
Drawn AT	Checked AT

C2.1



GENERAL NOTE: TURF DAMAGED BY TRENCHING ACTIVITIES SHALL BE REPLACED WITH SOD. IRRIGATION DAMAGED BY TRENCHING ACTIVITIES SHALL BE REPAIRED TO BE FULLY FUNCTIONAL.

SEWER NOTES

- CONSTRUCT DRYWELL AT DRINKING FOUNTAIN PER
- PLACE 2" SEWER FROM FOUNTAIN TO DRYWELL.
- CONNECT TO DRINKING FOUNTAIN SEWER SERVICE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

WATER NOTES

- PLACE 1" WATER, SCH 80 PVC PER
- PLACE BRONZE GATE VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE.
- CONNECT TO DRINKING FOUNTAIN DOMESTIC WATER SUPPLY. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
- CONNECT TO EXISTING DOMESTIC WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

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ANTHONY J. TASSANO
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UTILITY PLAN

Date 11/20/2023	Project Number 22047
Application Number	Drawing Number
Drawn AT	Checked AT

C3.1

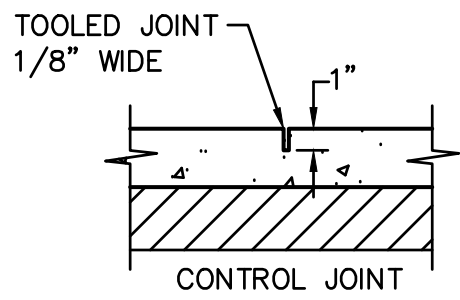
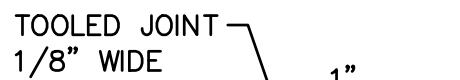
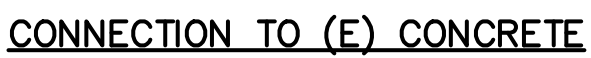
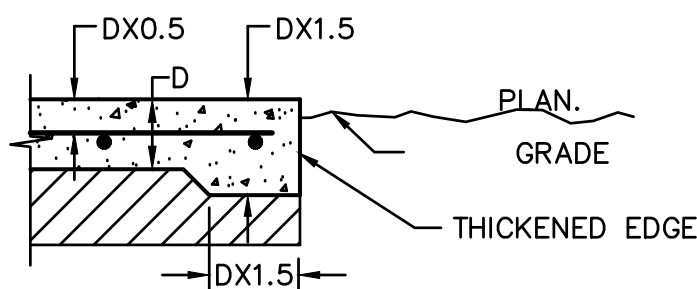
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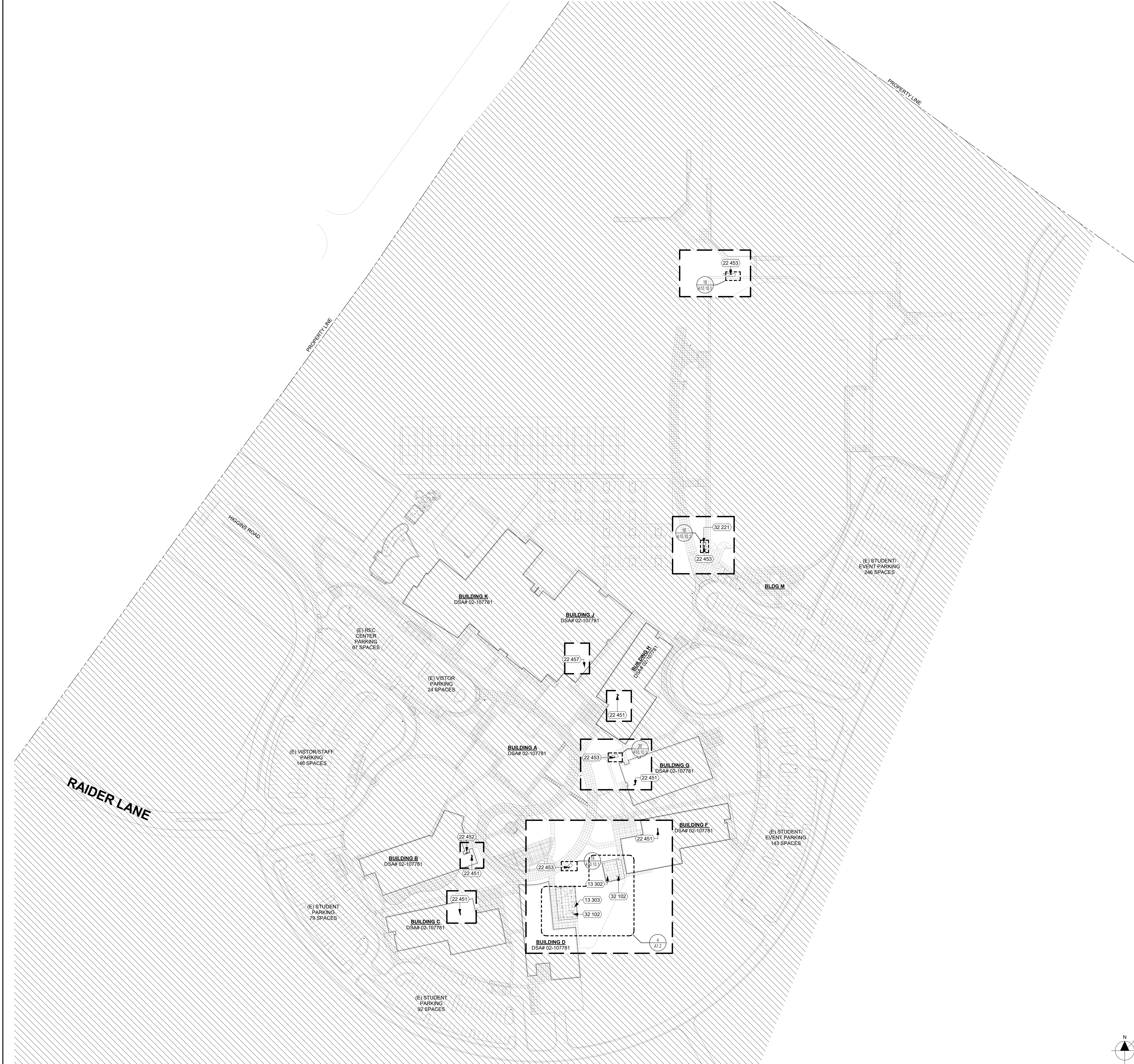
DETAILS AND SECTIONS

C4.1



- NOTES:**
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX.. PROVIDE CONTROL JOINTS AT 8 FEET O.C. MAX.
 2. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.





KEYNOTES

NUMBER	NOTE
13 302	NEW FABRIC SHADE STRUCTURE (SEE PC DRAWINGS)
13 303	NEW METAL SHADE STRUCTURE (SEE PC DRAWINGS)
22 451	HI-LO INTERIOR DRINKING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL 1/A10.10.1)
22 452	HI-LO EXTERIOR DRINKING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL 2/A10.10.1)
22 453	HI-LO FREE STANDING DRINKING FOUNTAIN WITH BOTTLE FILLER (SEE DETAIL 4/A10.10.1)
22 457	BOTTLE FILLER (SEE DETAIL 18/A10.10.1)
32 102	CONCRETE PAVING (SEE CIVIL DWGS.)
32 221	CHAIN LINK FENCE, SEE 4/A10.2.1

GENERAL NOTES

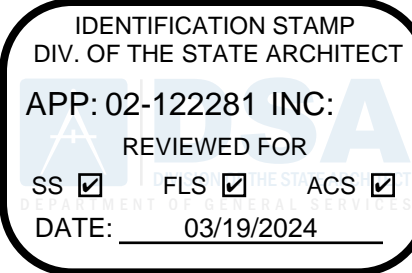
- CONTRACTOR IS RESPONSIBLE FOR 6'-0" HIGH TEMPORARY CONSTRUCTION BARRIER WITH VISION SCREEN AT STAGING, STORAGE AND CONSTRUCTION AREA WITH SIGNAGE EVERY 20'-0" TO WARN STUDENTS OF CONSTRUCTION AREA.
- CONTRACTOR TO BRING IN OFFICE TRAILER TO CONSTRUCTION AREA.
- CONTRACTOR SHALL ACCESS THE SITE FROM RAIDER LANE. ANY DAMAGE TO FIRE LANE WILL BE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO REPAIR BACK TO EXISTING CONDITIONS ALL LAYDOWN AREAS AT THE END OF CONSTRUCTION. THIS INCLUDES LANDSCAPE AREAS AND ANY BROKEN SPRINKLERS, VALVE BOXES, CONCRETE, ASPHALT, ETC.
- CONTRACTOR SHALL REPLACE, RECONSTRUCT AND REPAIR ALL EXISTING WORK THAT IS IMPACTED, DAMAGED, OR DESTROYED AS A RESULT OF ANY CONTRACTOR WORK INCLUDING, BUT NOT LIMITED TO, HARDSCAPING, SIDEWALKS, IRRIGATION SYSTEMS, LANDSCAPING, LAWNS, STRUCTURES AND UTILITIES - ALL TO THE SATISFACTION OF THE DISTRICT.
- WHERE ASPHALT OR CONCRETE IS BEING REPAATCHED, CONTRACTOR SHALL PROVIDE EVEN AND STRAIGHT LINE CUTS WITH 2-FOOT STRAIGHT SLURRY SEAL SURFACE PATCH ON BOTH SIDES OF CUT.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
- GATES IN PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS WITH PROPER LEVER HARDWARE AND KICK PLATES.
- CONTRACTOR TO TAKE PHOTOS PRIOR TO REMOVAL.
- SALVAGE ALL DRINKING FOUNTAINS AND RETURN TO DISTRICT.
- CONTRACTOR SHALL RE-ROUTE AND REPAIR ANY IRRIGATION LINES AND HEADS IN THE WAY OF NEW WORK TO ENSURE A FULLY FUNCTIONING SYSTEM AT THE END OF CONSTRUCTION.

LEGEND

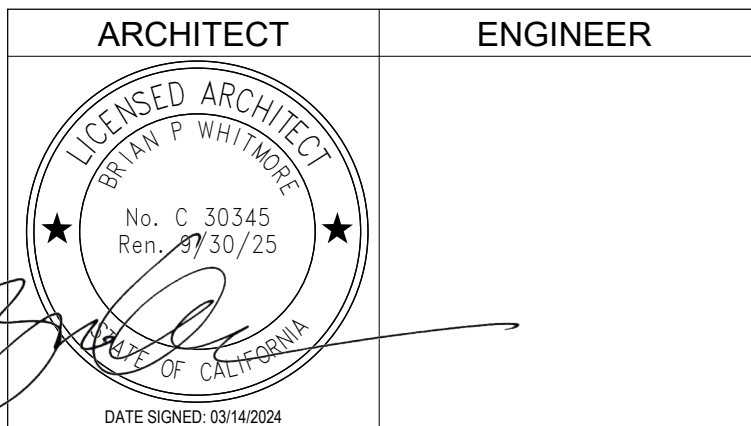
	PROPERTY LINE
	LIMIT OF WORK
	NOT IN SCOPE
	FIRE HYDRANT
	(N) CONCRETE PAVING, SEE CIVIL DRAWINGS

SITE PLAN

1" = 80'-0" 10



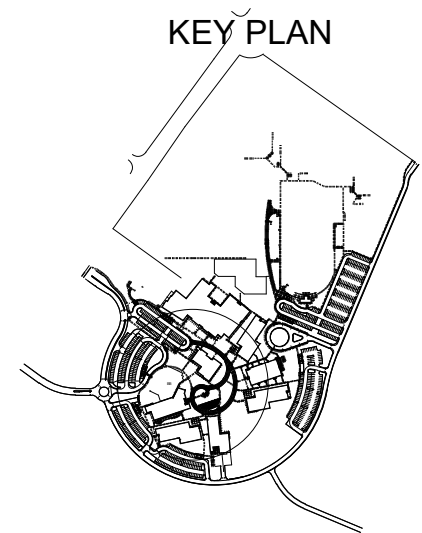
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PROJECT STATUS

WUSD RIVER CITY HIGH
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ESSR III
1 RAIDER LANE
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SITE PLAN OVERALL

Date
03/14/2024

Application Number
02-122281

Drawn
Author

Project Number
22047

Drawing Number

A1.1

REF: 10 / A1.1

NOTES:
1. REFER TO MANUFACTURER'S SHEET 26.1-1000 FOR FRAME AND SHEET 26.2-2000 FOR ROOF COVERING MATERIAL.
2. LOCATION OF NEW SHADE STRUCTURES DOES NOT BLOCK REQUIRED EXITS OR EXIT ROUTE. CLEAR HEIGHT OF SHADE STRUCTURES SHALL BE 10'-0".
3. OCCUPANT LOAD FOR SHADE STRUCTURES SHALL BE PER DSA IR 31-1.
4. ACCESSIBLE GATES WITH PANG HARDWARE AND "NIGHT LATCH" (NL) FUNCTION SHALL BE DOGGED DURING THE TIME THE FACILITY IS OPEN. TYPICAL. THE DOGGING OPERATION WILL BE PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION.

ENLARGED SHADE STRUCTURE 1/8" = 1'-0" 4

LEGEND

ROOM A101 B 150 SF 1 OCC.	ROOM = ROOM NAME A101 = ROOM NUMBER B = OCCUPANCY GROUP 150 SF = FLOOR AREA IN SQUARE FEET 1 OCC = OCCUPANT LOAD (CBC TABLE 1004.5)
	BUILDING UNDER SCOPE OF WORK
	(N) SHADE STRUCTURE (UNDER THIS SCOPE OF WORK)
	(N) CONCRETE PAVING. SEE CIVIL DRAWINGS

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS

WUSD RIVER CITY HIGH
SCHOOL
ESSR III
1 RAIDER LANE
WEST SACRAMENTO, CA 95691

ENLARGED SHADE
STRUCTURES

Date 03/14/2024	Project Number 22047
Application Number 02-122281	Drawing Number A1.2
Drawn Author	Checked Checker

ARCHITECT	ENGINEER

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NO.	REMARKS	DATE

DATE

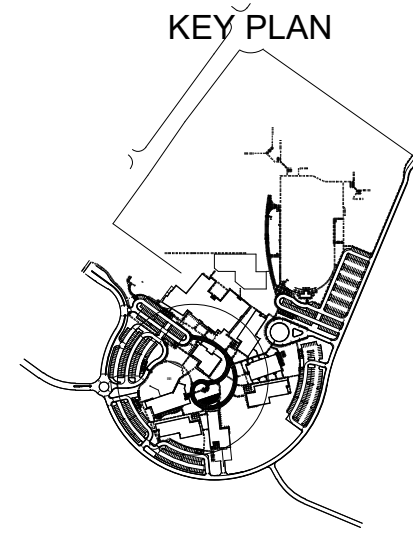
DRAWING STATUS

☐ DSA PLAN CHECK

☐ DSA BACK CHECK

☐ BIDDING

☐ CONSTRUCTION

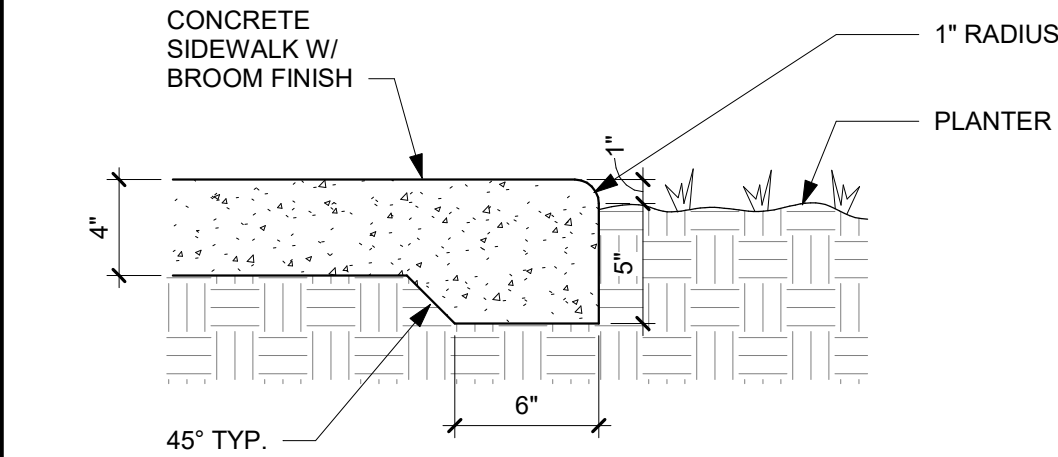


DSA STAMP

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APP: 02-122281 INC:
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DATE: 03/19/2024

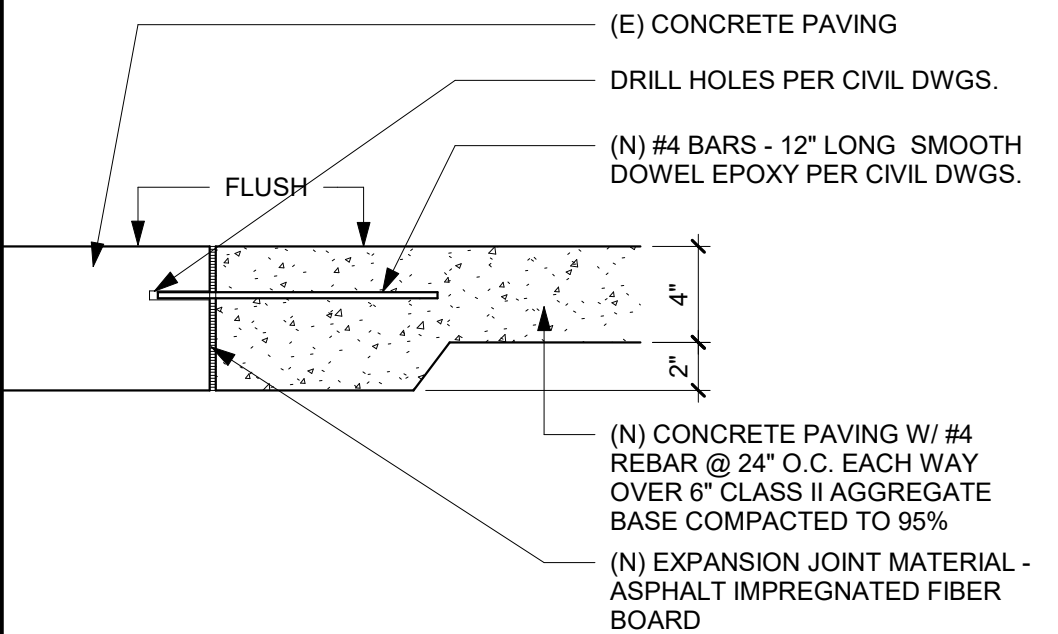
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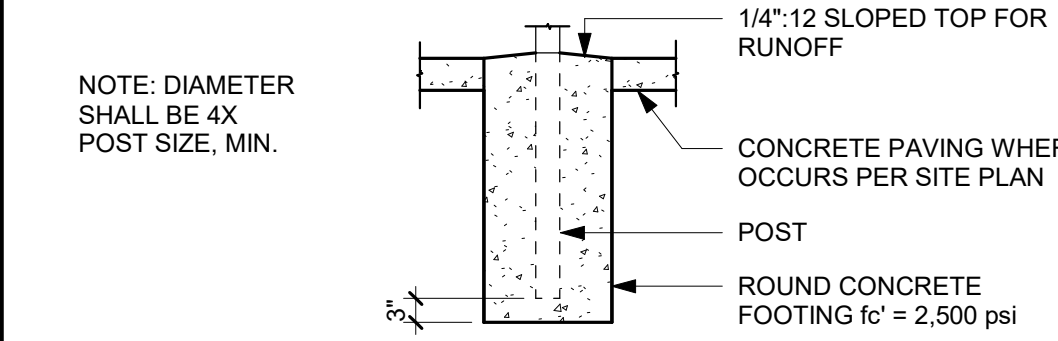
REF: 18 / A10.10.1

SIDEWALK AT PLANTER 1 1/2" = 1'-0" **1**



REF: 18 / A10.10.1

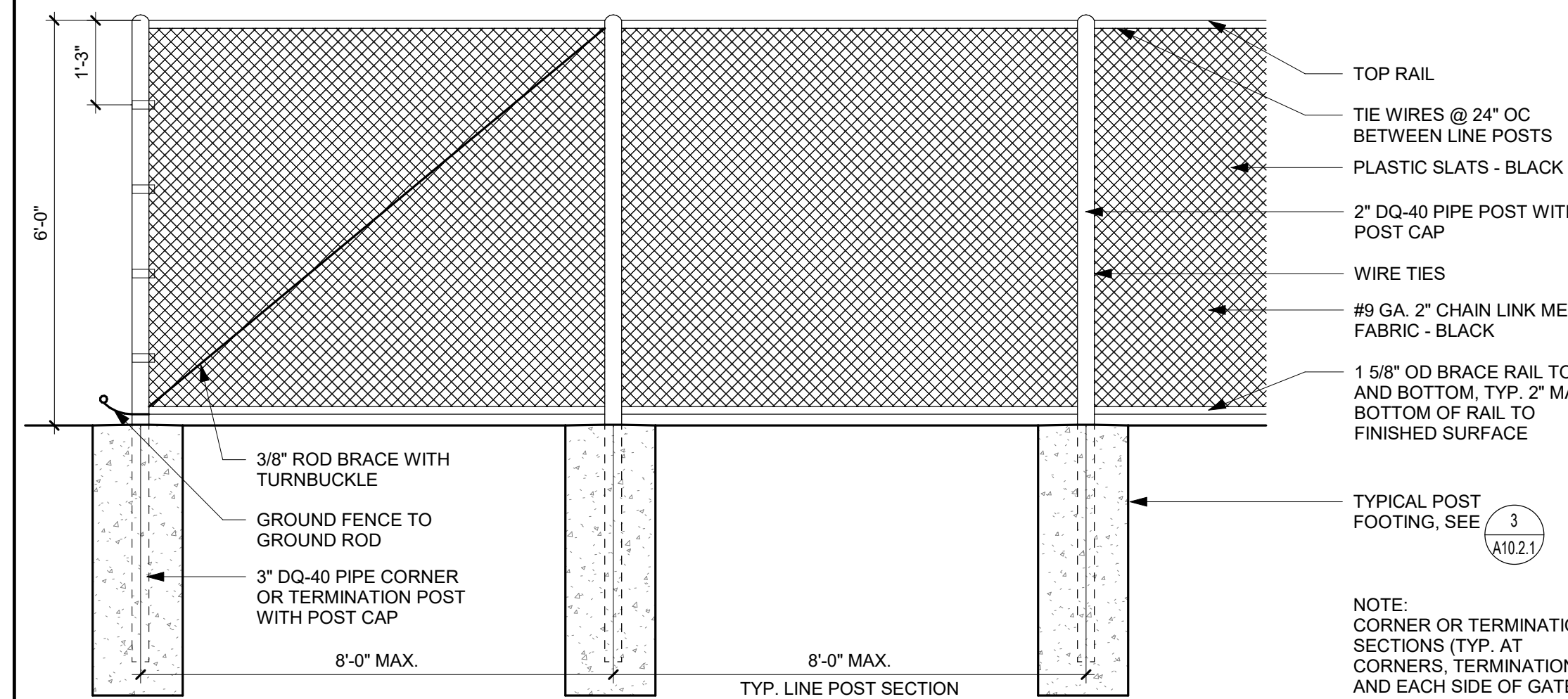
(N) PAVING TO (E) PAVING 1 1/2" = 1'-0" **2**



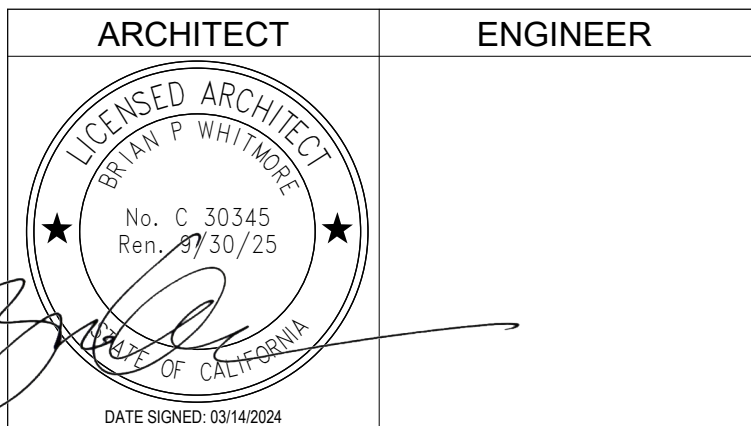
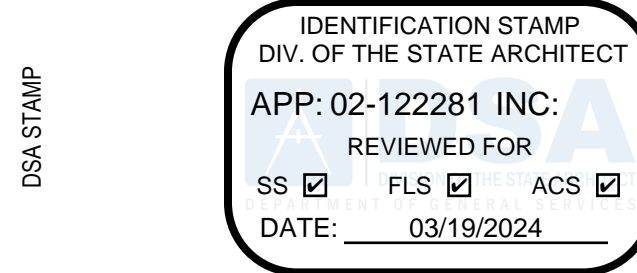
CHAIN LINK: 6'-0" HIGH	
TYPE	POST FOOTING
CORNER, END, AND PULL POSTS	39" x 14" DIA.
LINE POSTS	36" x 12" DIA.
GATE AND LATCH POSTS: 3'-0" TO 5'-0" WIDE	48" x 14" DIA.
GATE AND LATCH POSTS: 10'-0" WIDE	48" x 18" DIA.
GATE AND LATCH POSTS: 12'-0" WIDE	48" x 26" DIA.

ORNAMENTAL: 6'-0" HIGH	
TYPE	POST FOOTING
SINGLE GATE: 4'-0" WIDE	4'-8" x 14" Ø
SINGLE GATE: 5' TO 11'-11" WIDE	5'-6" x 24" Ø
TERMINAL OR LINE POST OR GATE STOP	2'-6" x 14" Ø

FENCE FOOTING SCHEDULE 1/2" = 1'-0" **3**



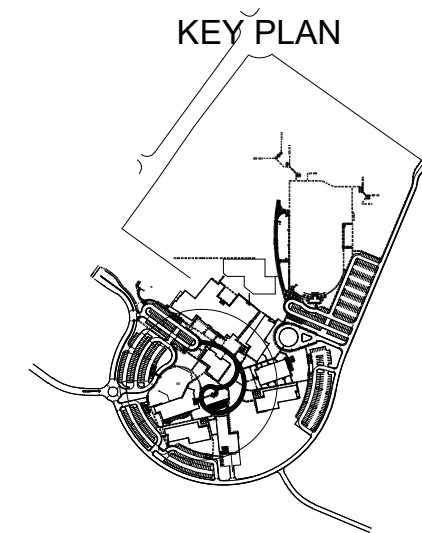
CHAIN LINK FENCE TYPICAL ELEVATION 1/2" = 1'-0" **4**



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NO.	REMARKS	DATE

DRAWING STATUS	DATE
<input type="radio"/> DSA PLAN CHECK	
<input type="radio"/> DSA BACK CHECK	
<input type="radio"/> BIDDING	
<input type="radio"/> CONSTRUCTION	



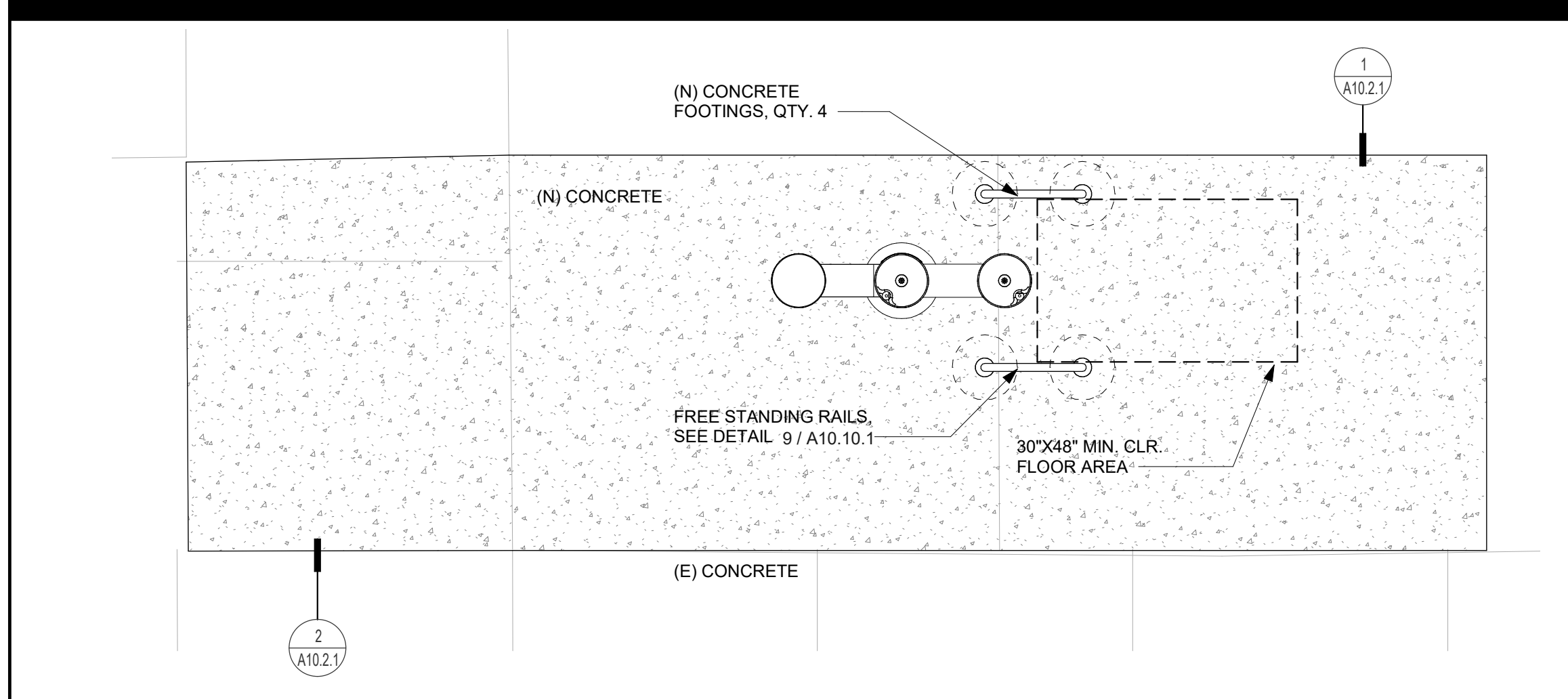
WASHINGTON UNIFIED SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS

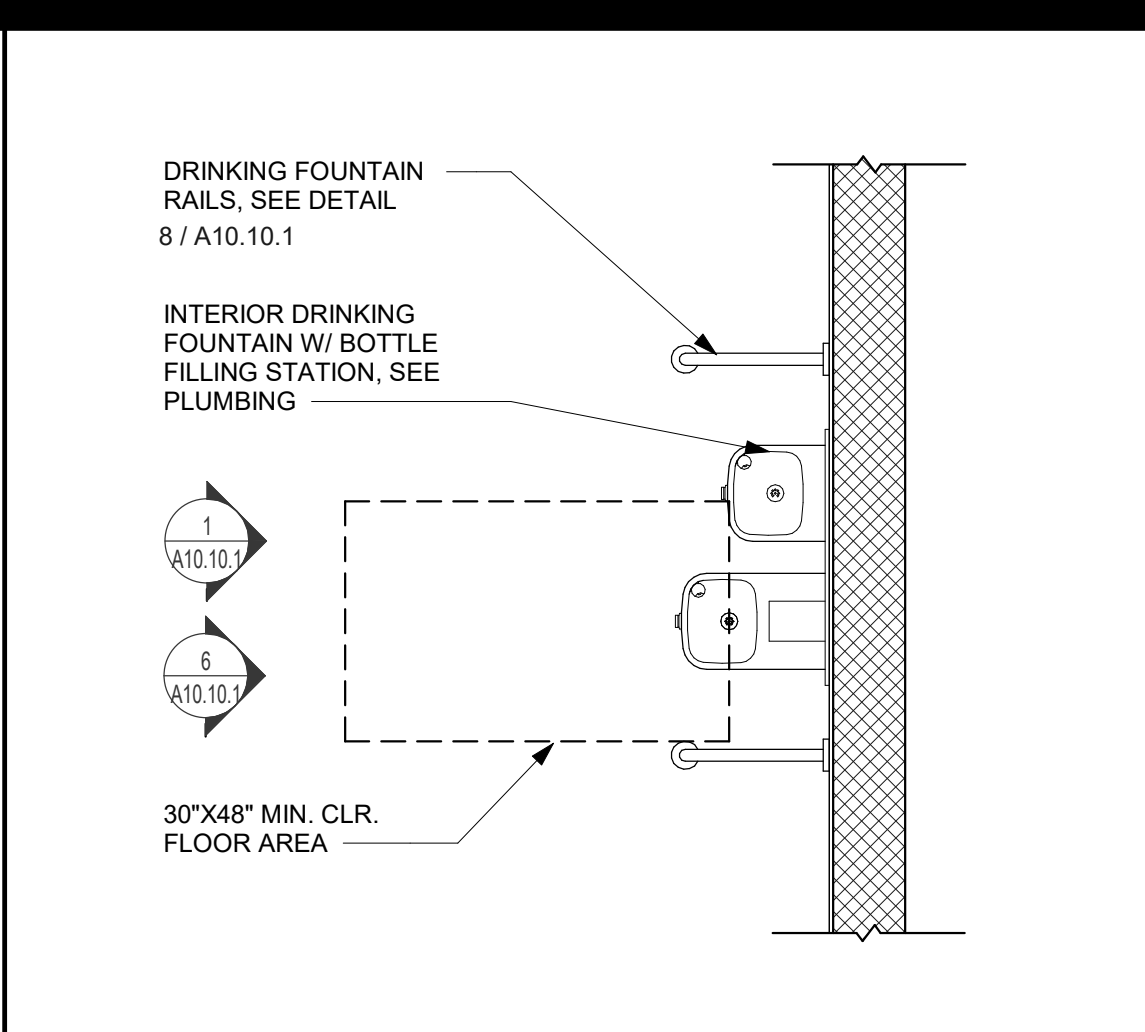
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ESSR III
1 RAIDER LANE
WEST SACRAMENTO, CA 95691

SITE DETAILS

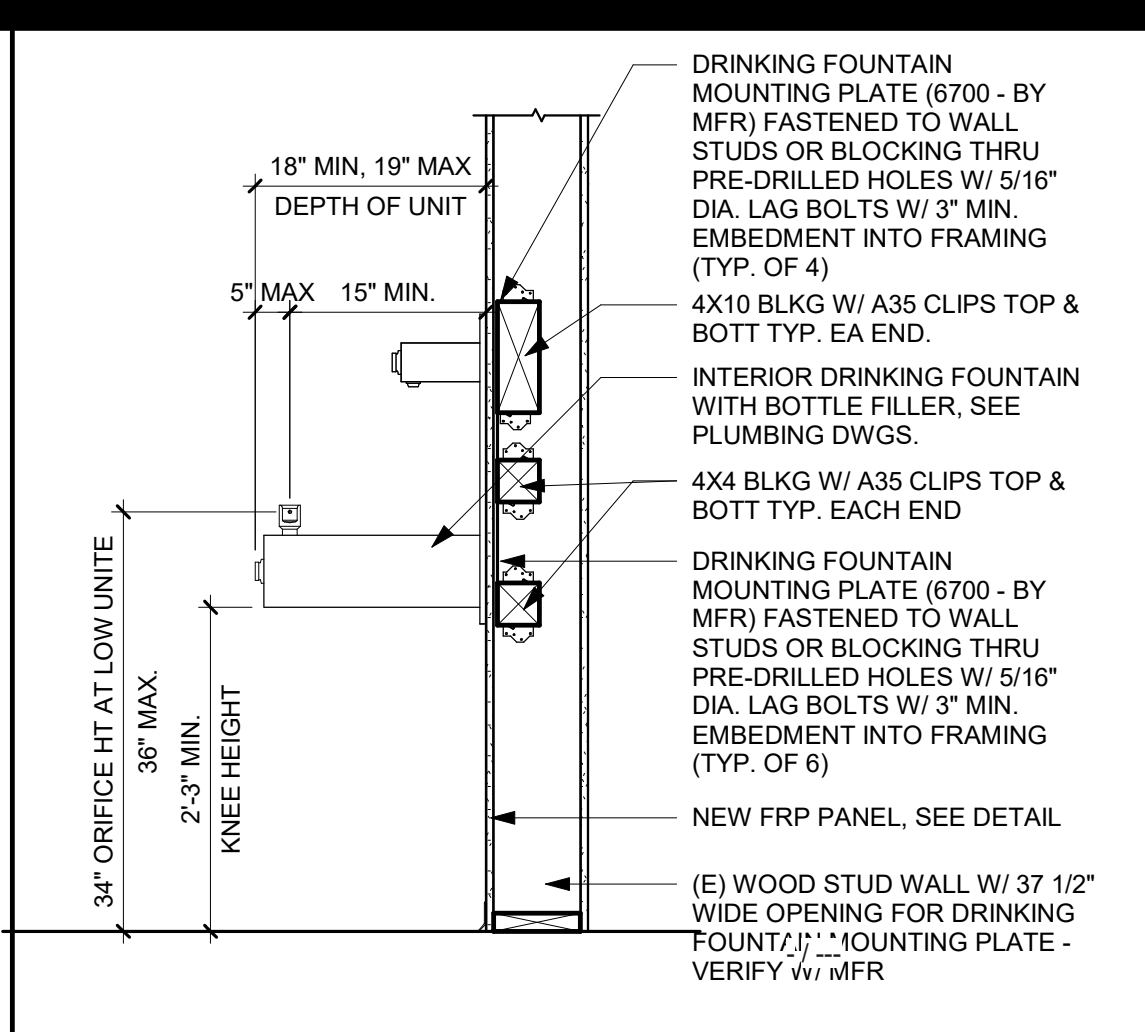
Date 03/14/2024	Project Number 22047
Application Number 02-122281	Drawing Number A10.2.1
Drawn Author	Checked Checker



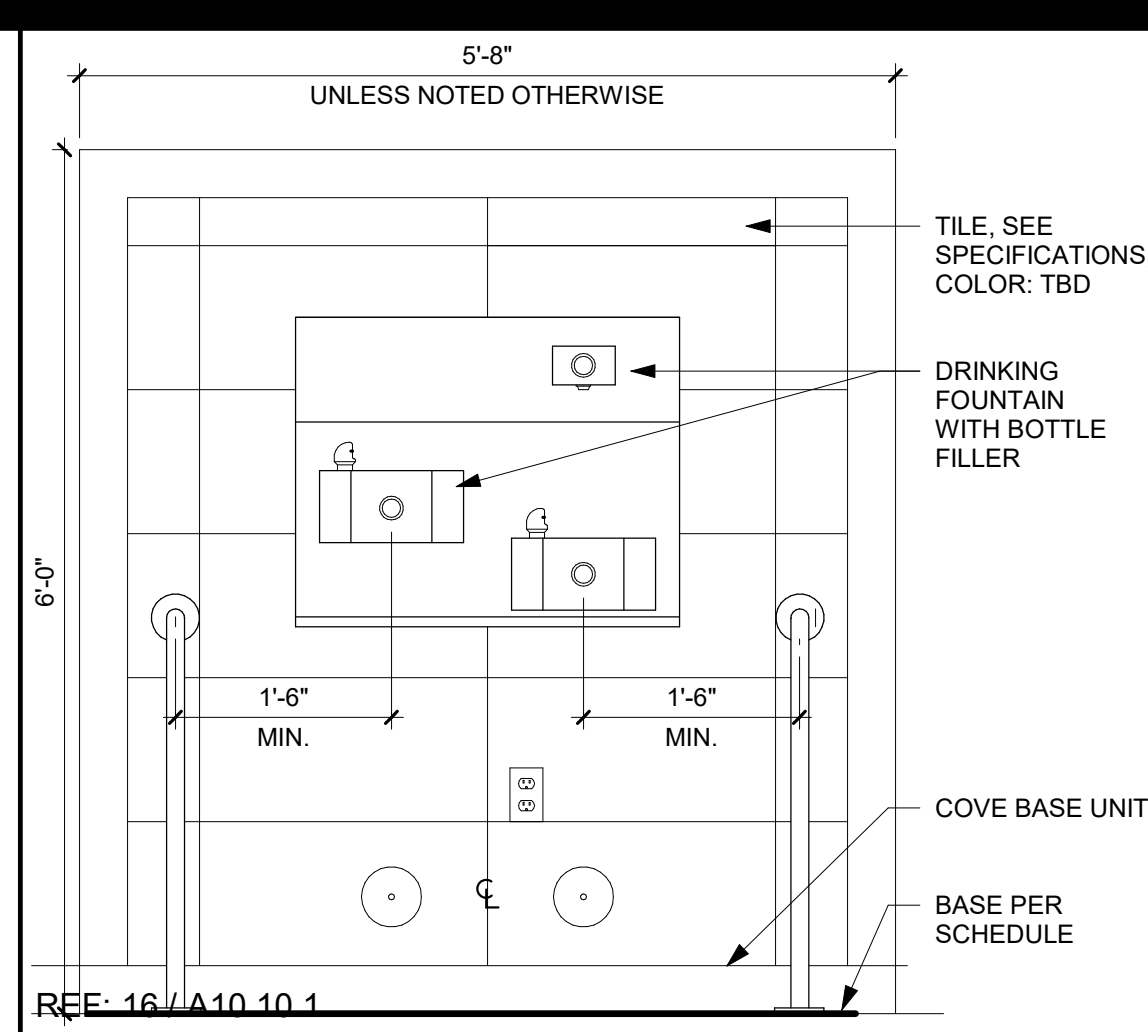
ENLARGED FREESTANDING DRINKING FOUNTAIN AT BASEBALL FIELD 1/2" = 1'-0" 21



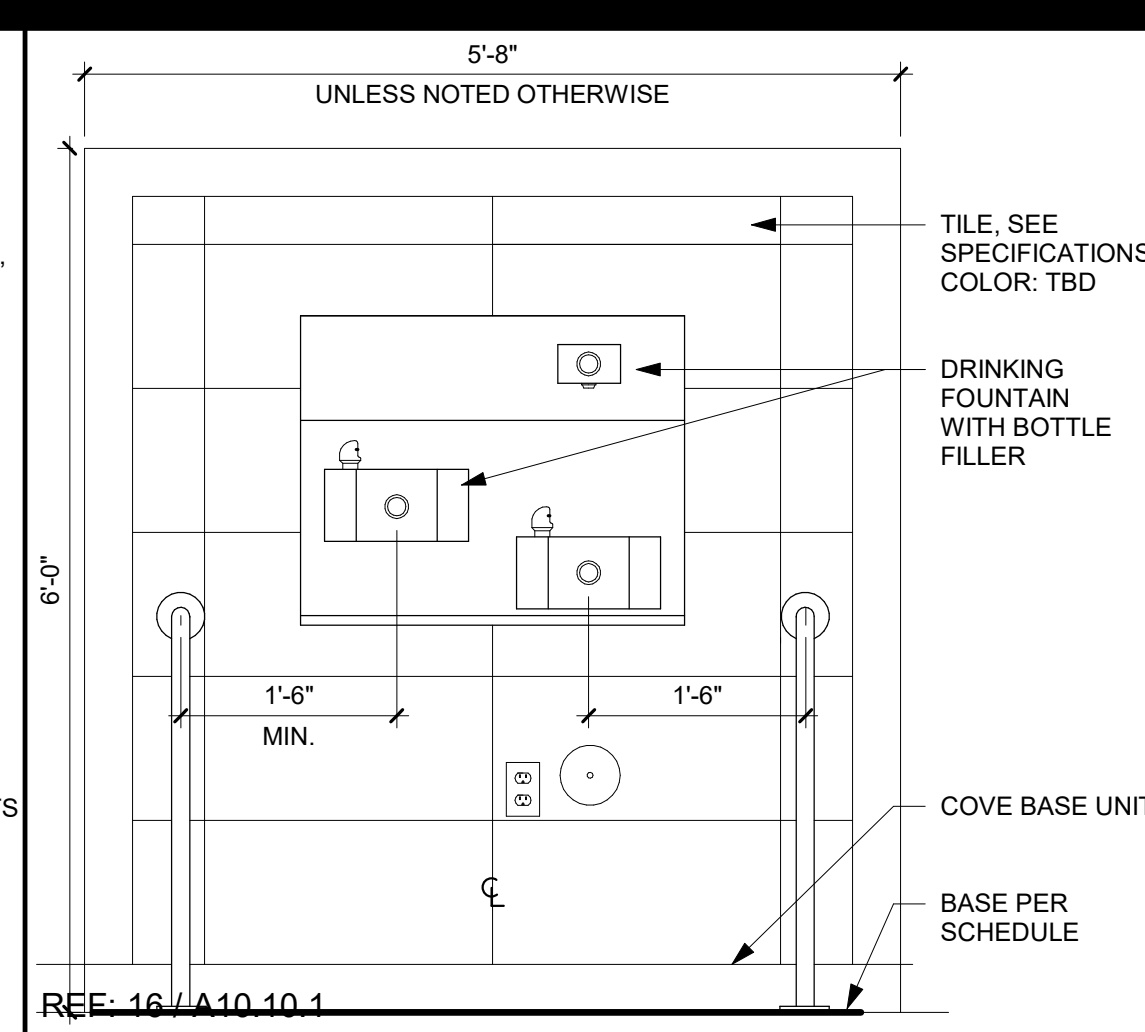
ENLARGED HI-LO INTERIOR DRINKING FOUNTAIN PLAN 1/2" = 1'-0" 16



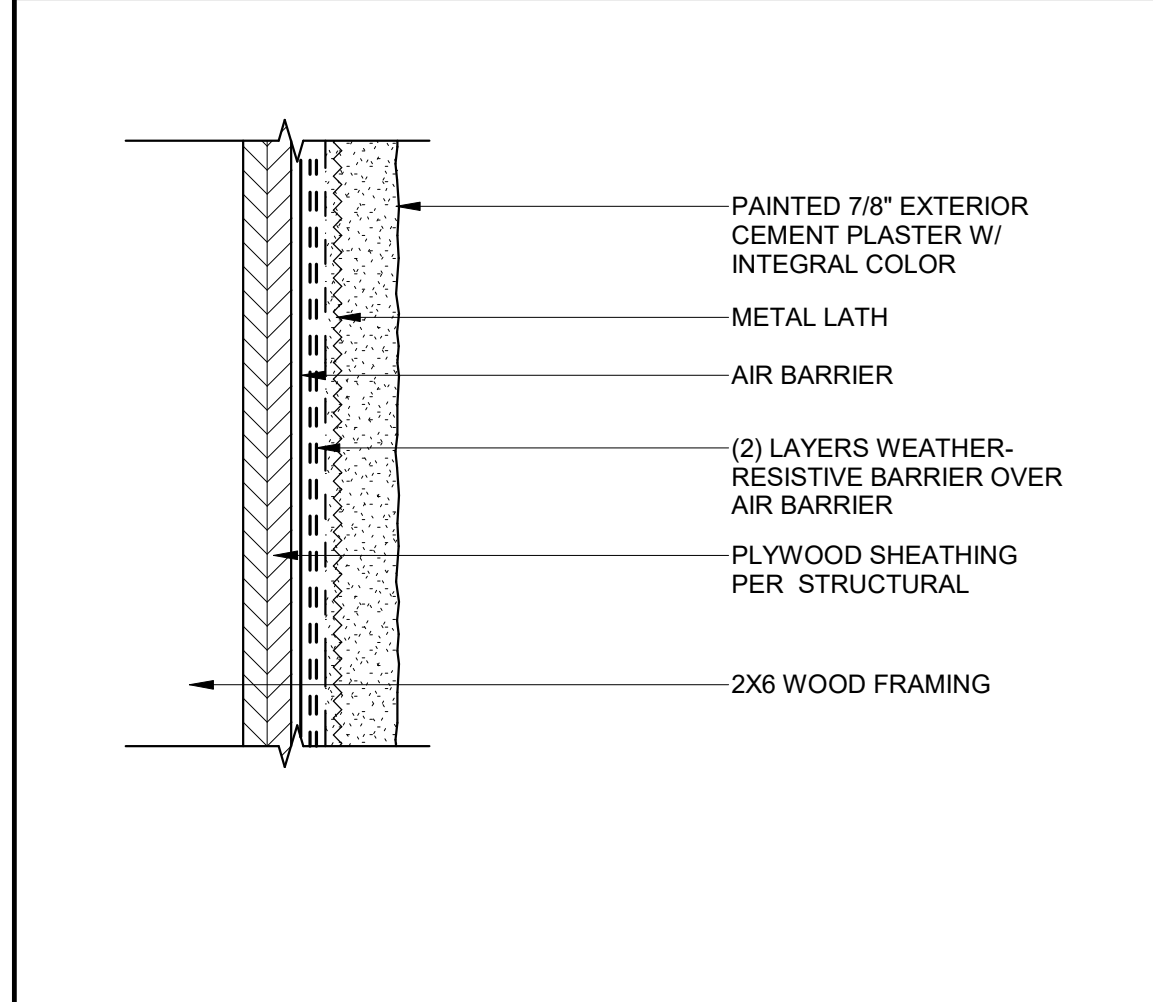
HI-LO INTER. DRINKING FOUNTAIN SECTION AND CLEARANCES 3/4" = 1'-0" 11



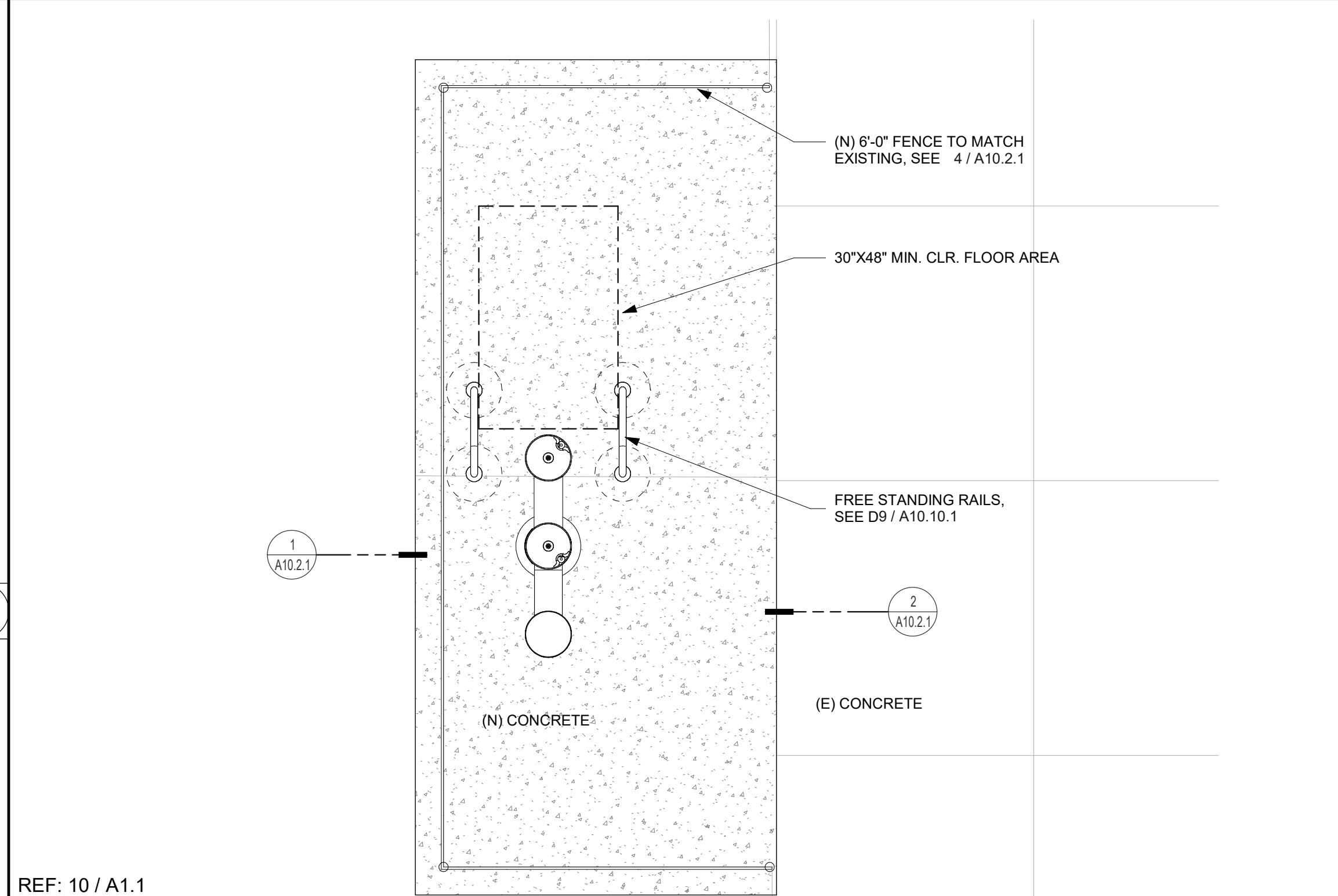
HI-LO INTERIOR DRINKING FOUNTAIN WITH BOTTLE FILLER 3/4" = 1'-0" 6



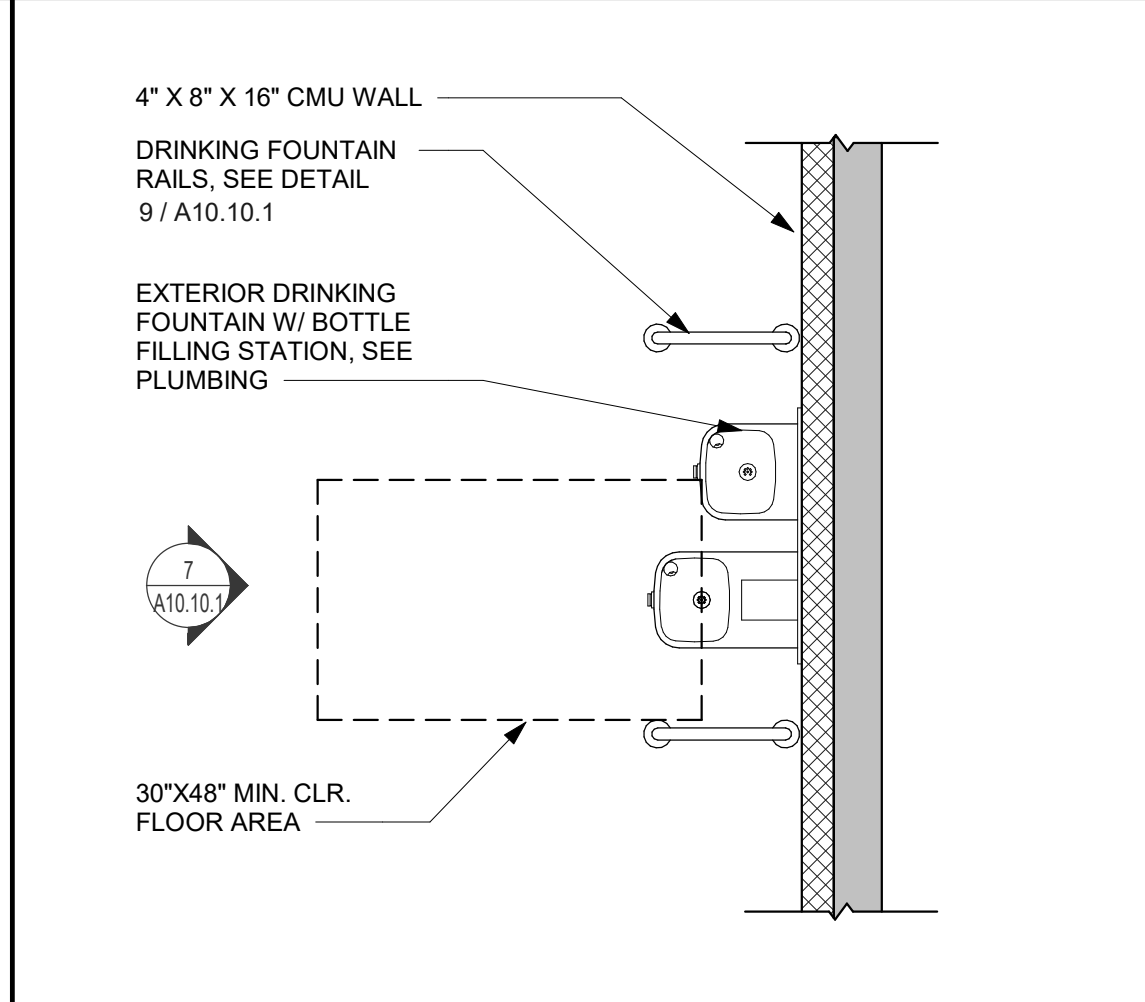
HI-LO INTERIOR DRINKING FOUNTAIN WITH BOTTLE FILLER 3/4" = 1'-0" 1



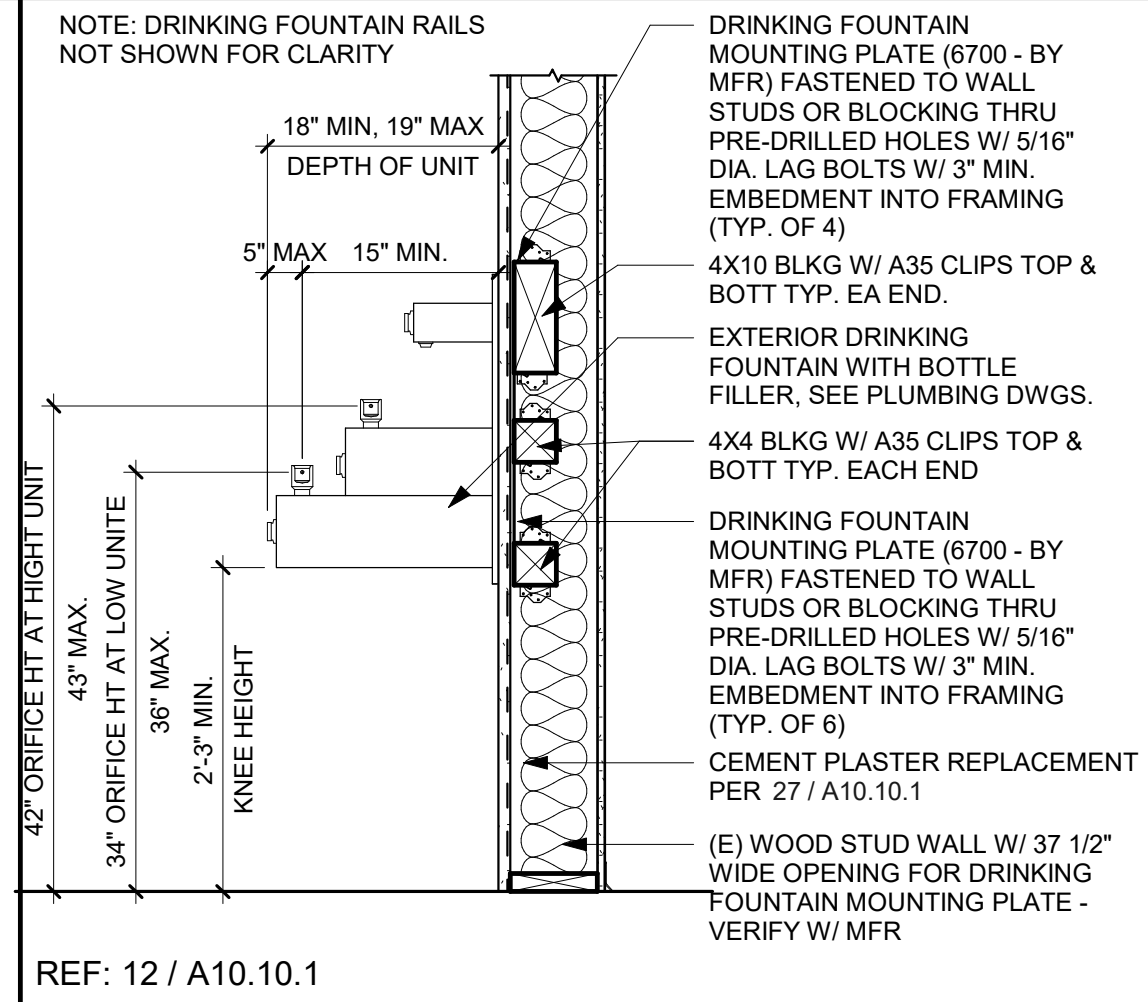
CEMENT PLASTER DETAIL 6" = 1'-0" 27



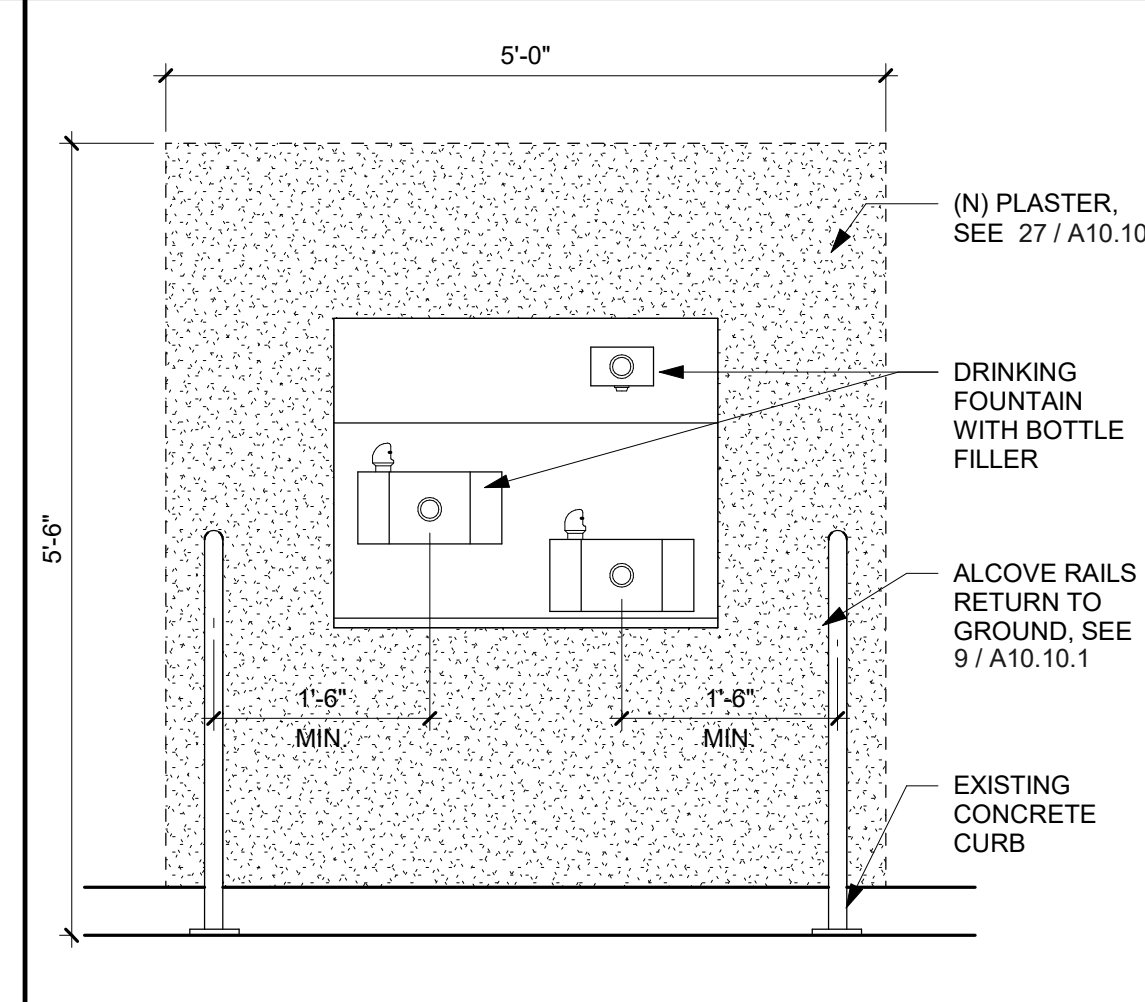
ENLARGED FREESTANDING DRINKING FOUNTAIN PLAN AT FOOTBALL FIELD/BLDG M 1/2" = 1'-0" 18



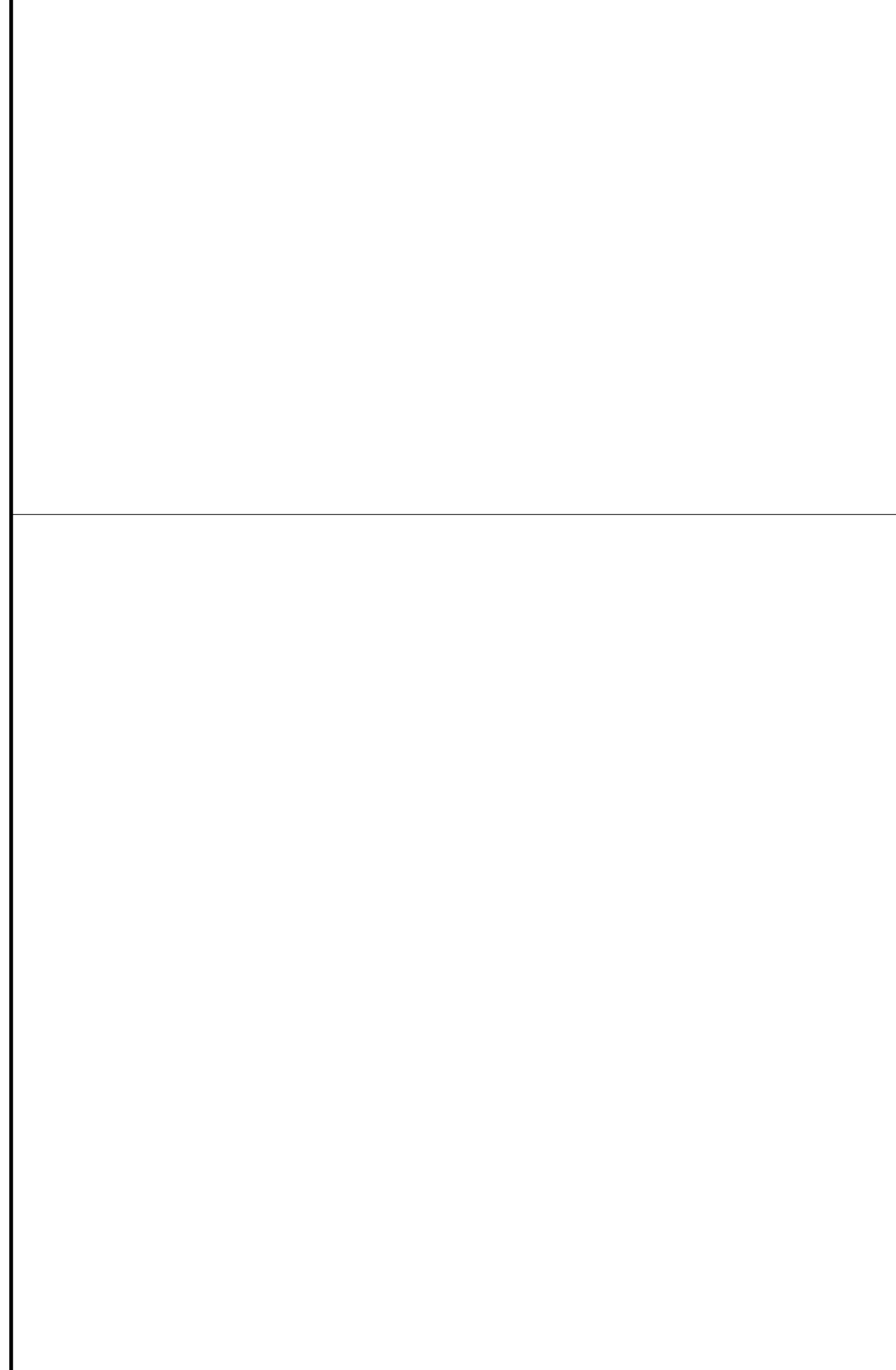
ENLARGED HI-LO EXTERIOR DRINKING FOUNTAIN PLAN 1/2" = 1'-0" 12



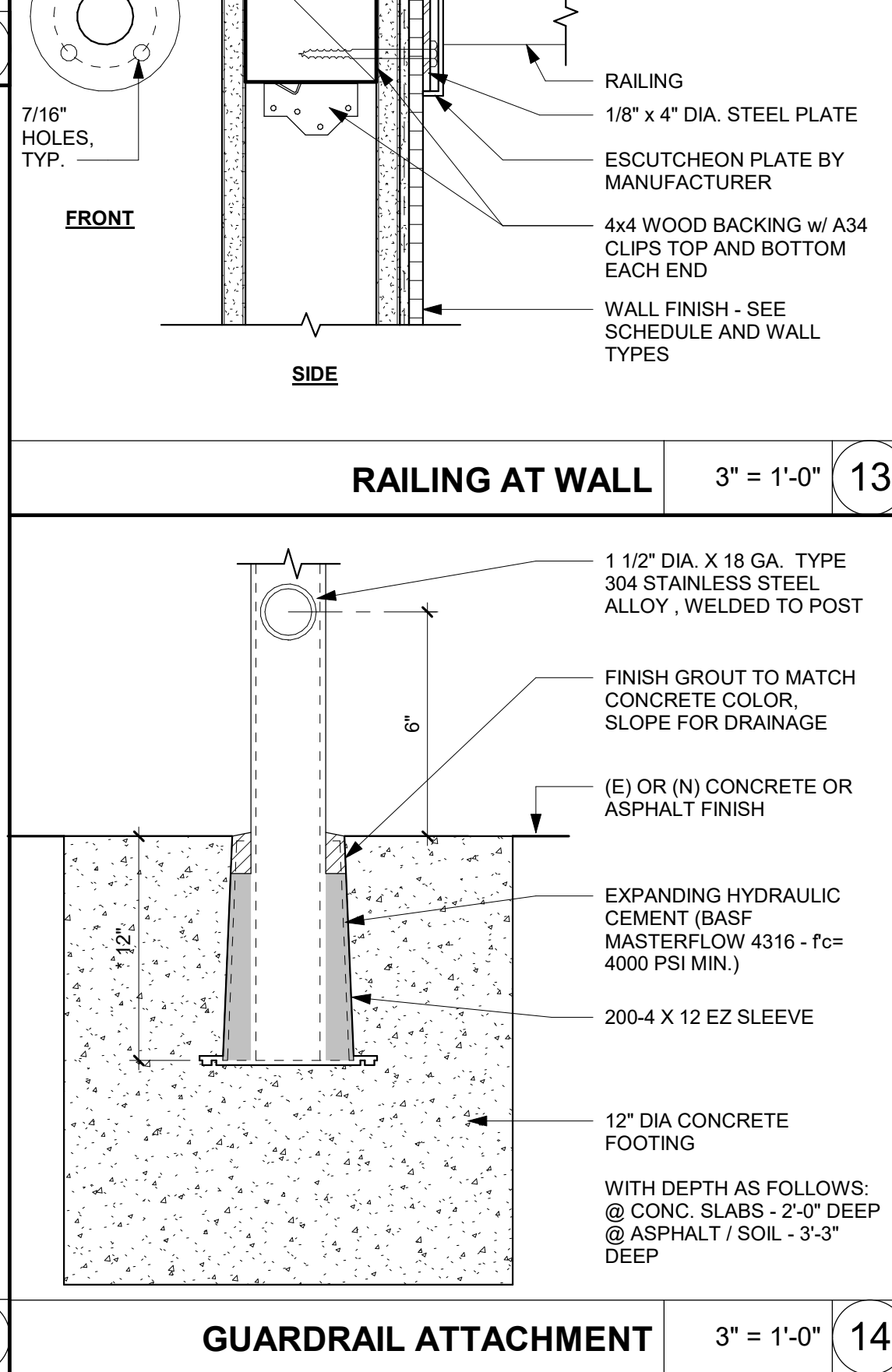
HI-LO EXTERIOR DRINKING FOUNTAIN AT PLASTER WALL 3/4" = 1'-0" 7



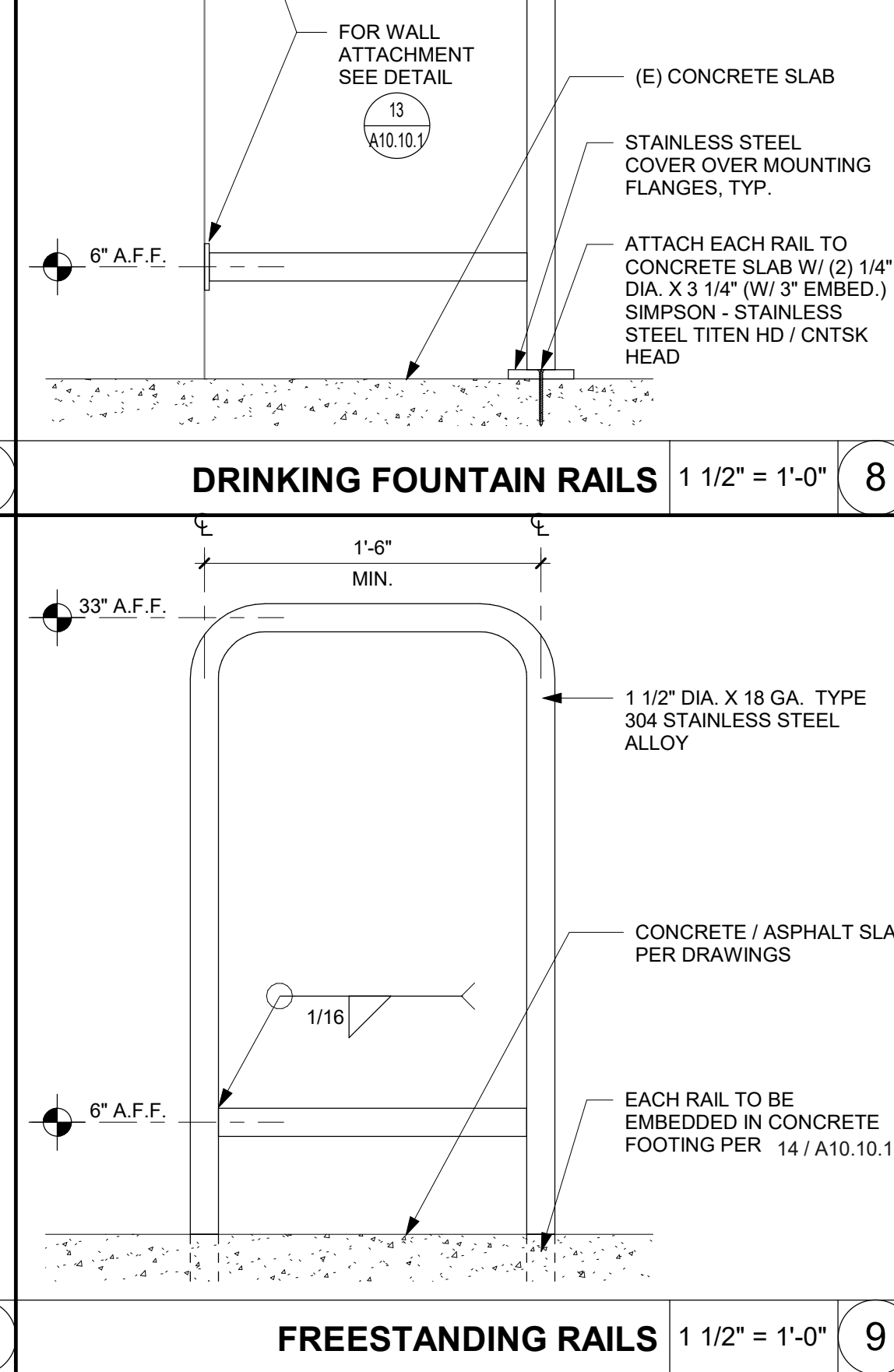
HI-LO EXTERIOR DRINKING FOUNTAIN WITH BOTTLE FILLER 3/4" = 1'-0" 2



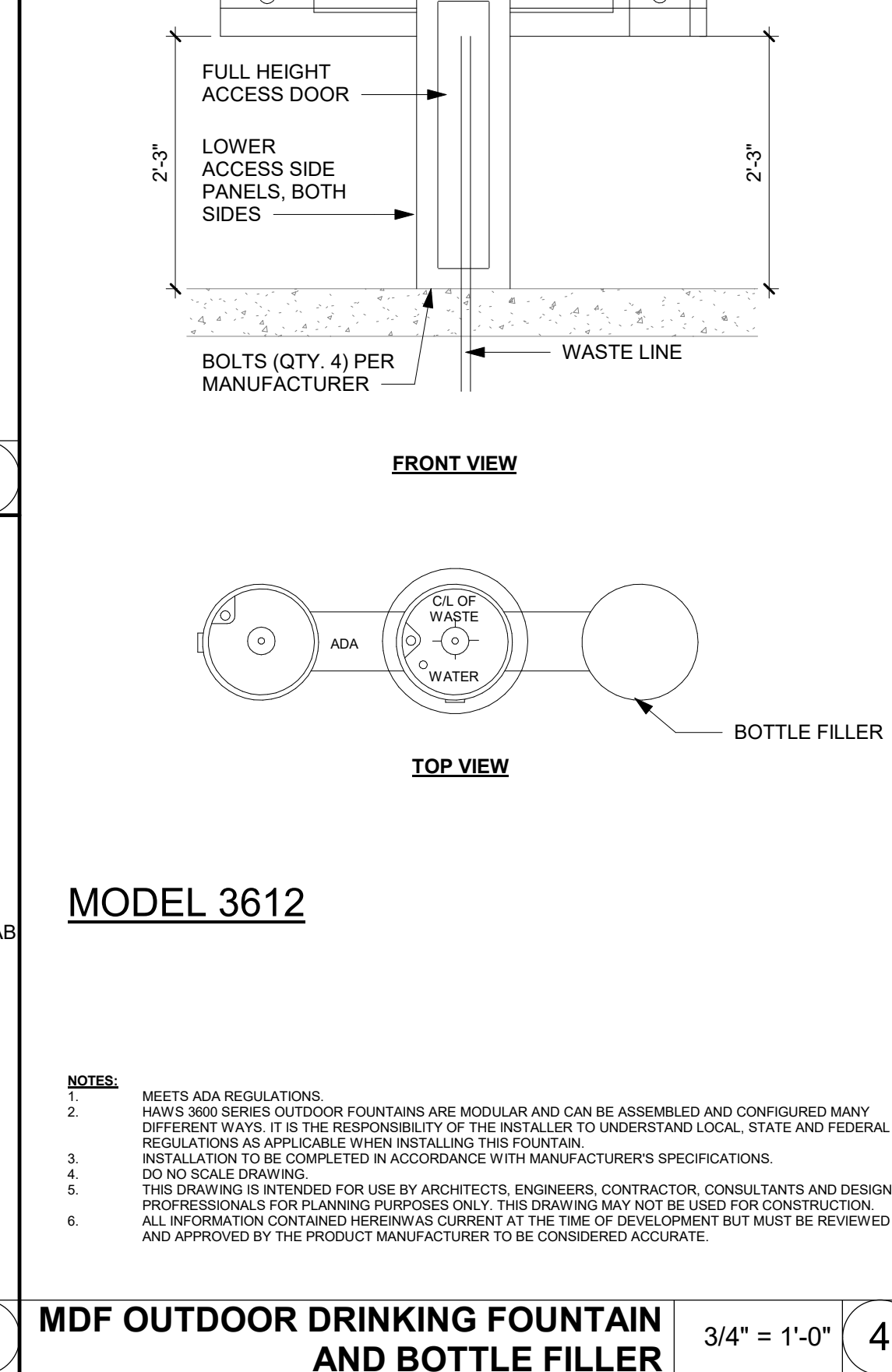
ENLARGED FREESTANDING DRINKING FOUNTAIN PLAN BY BUILDING D 1/2" = 1'-0" 19



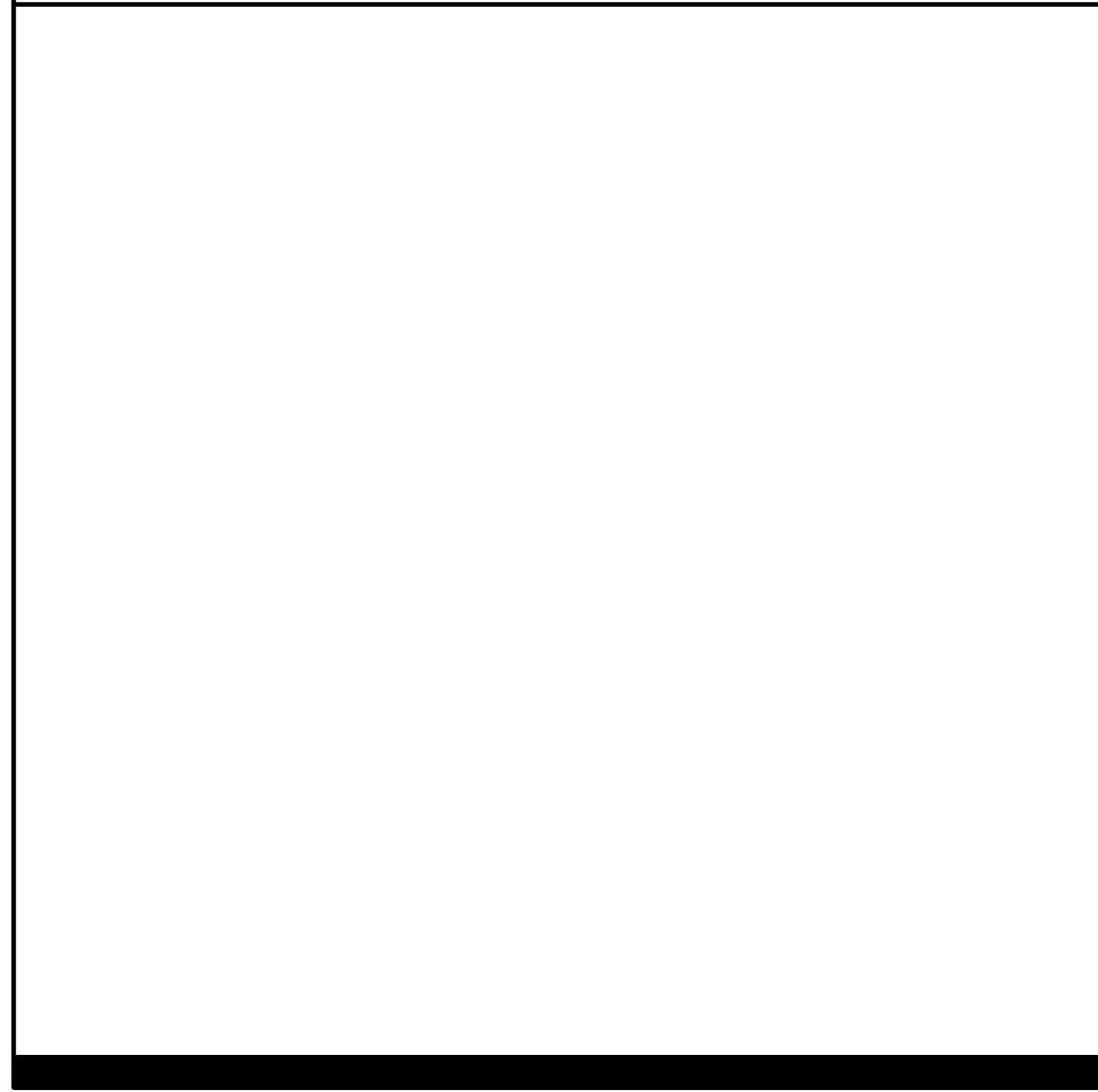
RAILING AT WALL 3" = 1'-0" 13



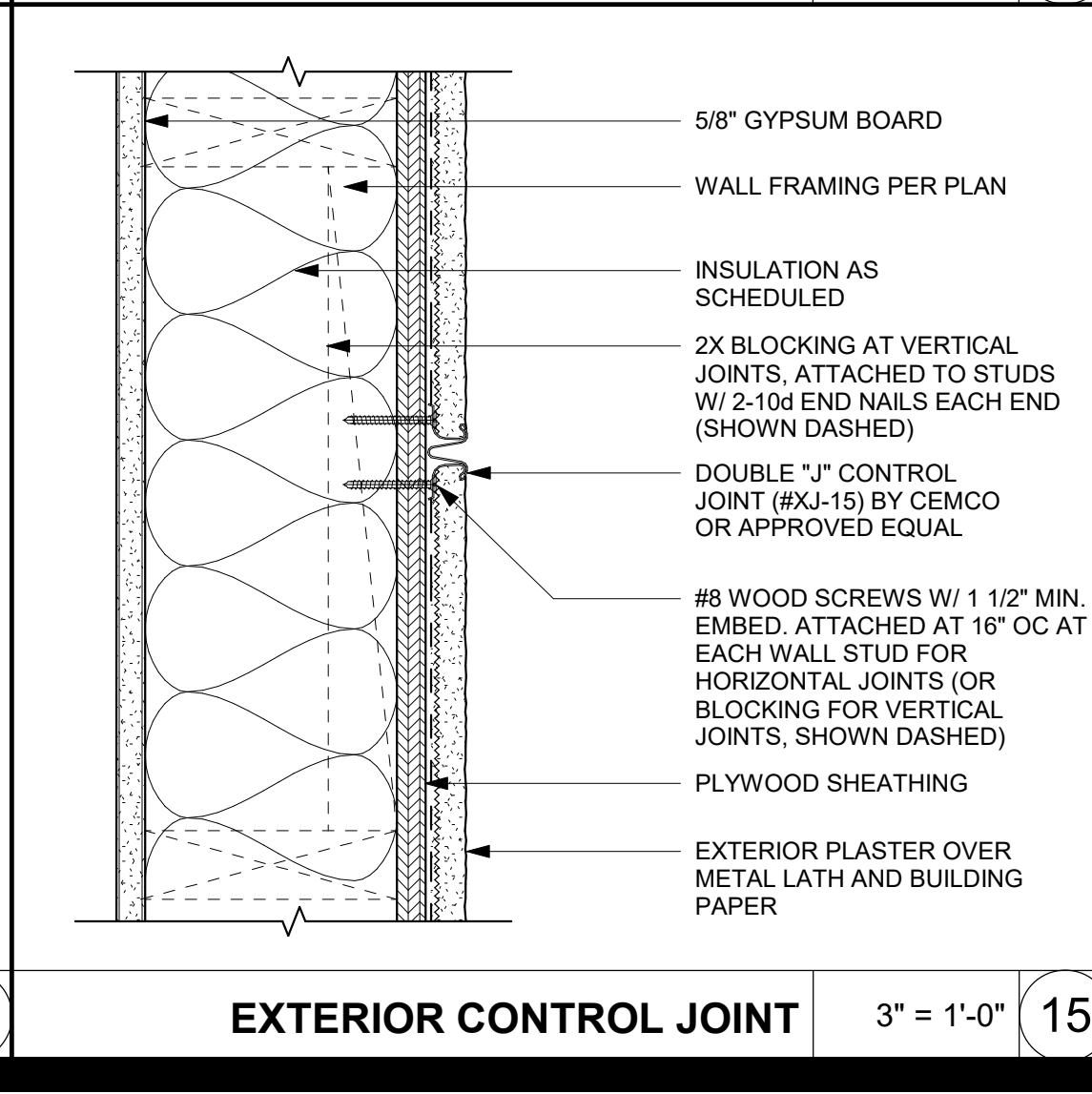
DRINKING FOUNTAIN RAILS 1 1/2" = 1'-0" 8



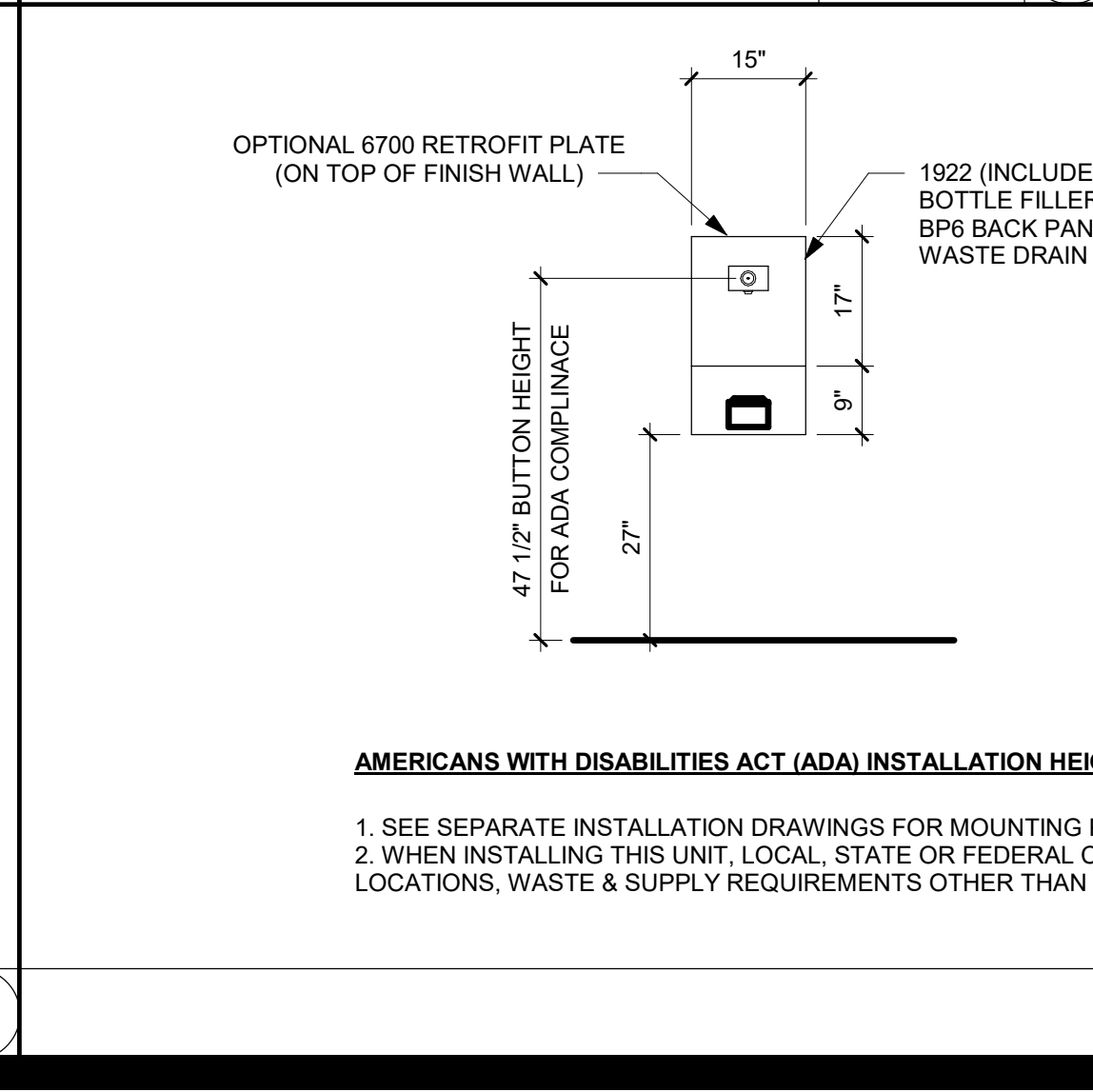
MODEL 3612



ENLARGED FREESTANDING DRINKING FOUNTAIN PLAN BY BUILDING G 1/2" = 1'-0" 20



EXTERIOR CONTROL JOINT 3" = 1'-0" 15



AMERICANS WITH DISABILITIES ACT (ADA) INSTALLATION HEIGHTS

- SEE SEPARATE INSTALLATION DRAWINGS FOR MOUNTING PLATES AND BACK PANELS.
- WHEN INSTALLING THIS UNIT, LOCAL, STATE OR FEDERAL CODES SHOULD BE ADHERED TO FOR INSTALLATION LOCATIONS, WASTE & SUPPLY REQUIREMENTS OTHER THAN SHOWN.

HAWS BOTTLE FILLER 1/2" = 1'-0" 5

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APP: 02-122281 INC.
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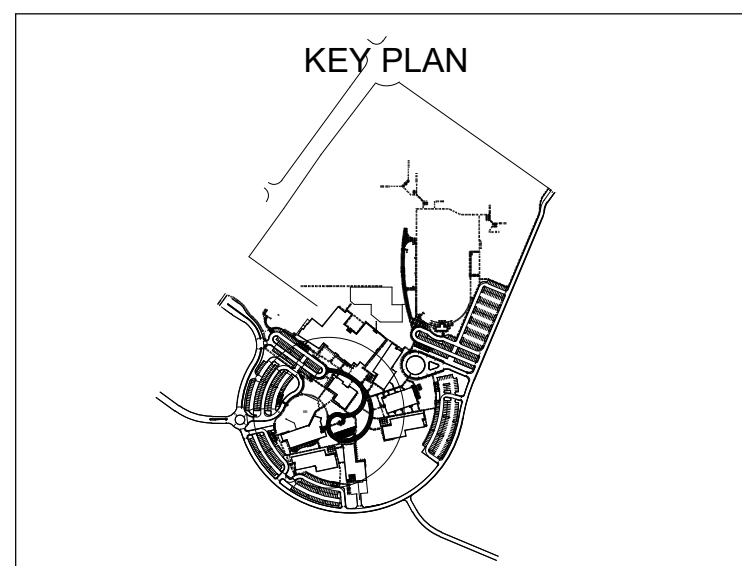
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NO.	REMARKS	DATE

REVISION HISTORY

NO.	REMARKS	DATE



WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS

WUSD RIVER CITY HIGH
SCHOOL
ESSR III
1 RAIDER LANE
WEST SACRAMENTO, CA 95691

SPECIALTIES

Date 03/14/2024	Project Number 22047
Application Number 02-122281	Drawing Number A10.10.1
Drawn Author	Checked Checker

PLUMBING LEGEND				
SYMBOL	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
	S	SEWER PIPE	ABV	ABOVE
	OW	OILY WASTE PIPE	A/C	ABOVE CEILING
	GW	GREASE WASTE PIPE	AGA	AMERICAN GAS ASSOCIATION
	PW	PUMPED (FORCED) WASTE PIPE	ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
	IW	INDIRECT WASTE PIPE	ASME	AMERICAN SOCIETY FOR MECHANICAL ENGINEERS
	V	VENT PIPE	ASSE	AMERICAN SOCIETY FOR SANITARY ENGINEERS
	CW	COLD WATER PIPE	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
	ICW	INDUSTRIAL COLD WATER PIPE	ADA	AMERICANS WITH DISABILITIES ACT
	SCW	SOFT COLD WATER PIPE	AFF	ABOVE FINISHED FLOOR
	HW	HOT WATER PIPE	AG	ABOVE GRADE
	IHW	INDUSTRIAL HOT WATER PIPE	A/G	ABOVE GRADE
	HWR	HOT WATER RETURN PIPE	ARCH	ARCHITECT OR ARCHITECTURAL
	140	140°F HOT WATER PIPE	BT	BATH TUB
	R	RECLAIMED WATER PIPE	BEL	BELOW
	G	LOW PRESSURE NATURAL GAS PIPE	B/F	BELOW FLOOR
	MPG	MEDIUM PRESSURE NATURAL GAS PIPE	BOP	BOTTOM OF PIPE
	HPG	HIGH PRESSURE NATURAL GAS PIPE	B/S	BELOW SLAB
	LPG	LIQUIFIED PETROLEUM GAS PIPE	BTU	BRITISH THERMAL UNIT
	CD	CONDENSATE DRAIN PIPE	CBC	CALIFORNIA BUILDING CODE
	SCD	SECONDARY CONDENSATE DRAIN PIPE	CEC	CALIFORNIA ELECTRICAL CODE
	PCD	PUMPED CONDENSATE DRAIN PIPE	CFC	CALIFORNIA FIRE CODE
	RD	ROOF DRAIN PIPE	CMC	CALIFORNIA MECHANICAL CODE
	ORD	OVERFLOW ROOF DRAIN PIPE	CPC	CALIFORNIA PLUMBING CODE
	CA	COMPRESSED AIR PIPE	CI	CAST IRON
	FCO	FLOOR CLEAN OUT	CISPI	CAST IRON SOIL PIPE INSTITUTE
	GCO	GRADE CLEAN OUT	CP	CIRCULATION PUMP
	WCO	WALL CLEAN OUT	CL	CLARIFIER
	FC	FLEXIBLE CONNECTION	CLR	CONCRETE
	SOV	SHUT OFF VALVE	CONN	CONNECT OR CONNECTION
	GC	GAS COCK	CONTR	CONTRACTOR
	CV	CHECK VALVE	CFM	CUBIC FEET PER MINUTE
	BV	BALL VALVE	°C	DEGREES CELSIUS
	PRV	PRESSURE REDUCING VALVE	°F	DEGREES FAHRENHEIT
	BLV	BALANCING VALVE	DIV	DIVISION
	PTR	PRESSURE AND TEMPERATURE RELIEF VALVE	DWG(S)	DRAWING(S)
	U	UNION	EA	EACH
		CAPPED PIPE	(E)	EXISTING
	CONT	CONTINUED OR CONTINUATION	ELEC	ELECTRICAL
	TP	TRAP PRIMER LINE	ELEV	ELEVATION
	WHA	WATER HAMMER ARRESTOR	EXP	EXPANSION TANK
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	FF	FINISHED FLOOR
	HB	HOSE BIBB	FFM	FEET PER MINUTE
		PIPE DOWN OR DROP	FLR	FLOOR
		PIPE UP OR RISE	FT	FEET OR FOOT
		VALVE ON DROP	FU	FIXTURE UNIT
		VALVE ON RISE	GA	GALVE
	T	THERMOMETER	GALV	GALVANIZED
	AS	AQUASTAT	GPC	GALLONS PER CYCLE
	P.O.D.	POINT OF DISCONNECT	GPF	GALLONS PER FLUSH
	POC	POINT OF CONNECTION	GPH	GALLONS PER HOUR
	AD, FD	AREA DRAIN OR FLOOR DRAIN	GPM	GALLONS PER MINUTE
	FS, RR	FLOOR SINK OR ROOF RECEPTOR	GP	GARBAGE DISPOSAL
	VTR	VENT THROUGH ROOF	HD	HEAD
	DEMO	DEMOLITION OR DEMOLISH	GI	GREASE INTERCEPTOR
	RELO	RELOCATE	HDR	HEADER
	CIRC PUMP	CIRCULATING PUMP	HR	HOUR
	DIA, DIAM	DIAMETER	IM	ICE MAKER SUPPLY BOX
			IES	ILLUMINATING ENGINEERS SOCIETY
			IND	INDIRECT
			IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBERS AND MECHANICAL OFFICIALS
			IBC	INTERNATIONAL BUILDING CODE
			IMC	INTERNATIONAL MECHANICAL CODE
			IPC	INTERNATIONAL PLUMBING CODE
			INV	INVERT
			IE	INVERT ELEVATION
			KEC	KITCHEN EQUIPMENT CONTRACTOR
			K	KILOGRAMS
			KPS	KILOPASCALS
			KS	KITCHEN SINK
			LS	LAUNDRY SINK
			L, LAV	LAVATORY
			LPF	LITERS PER SECOND
			MH	MANHOLE
			MFR	MANUFACTURER
			MSS	MANUFACTURERS STANDARDIZATION SOCIETY
			MAX	MAXIMUM
			MECH	MECHANICAL
			MSA	MEDIUM PRESSURE GAS METER SET ASSEMBLY
			MIL	0.001 INCH
			mm	MILLIMETER
			MIN	MINIMUM
			MS	MOP SINK
			MTD	MOUNTED
			NSF	NATIONAL SANITATION FOUNDATION
			NOM	NET POSITIVE SUCTION HEAD
			NPSH	NOMINAL
			NIC	NOT IN CONTRACT
			NTS	NOT TO SCALE
			NO	NUMBER
			PLBG	PLUMBING
			PDI	PLUMBING AND DRAINAGE INSTITUTE
			PE	POLYETHYLENE
			LBS	POUNDS
			PSIG	POUNDS PER SQUARE INCH GAUGE
			PD	PRESSURE DROP
			QTY	QUANTITY
			REQ'D	REQUIRED
			RI	ROUGH-IN
			SOH	SCHEDULE
			SH	SHOWER
			SOV	SHUT-OFF VALVE
			SPEC	SPECIFICATION
			SP	SQUARE FEET
			SS	STAINLESS STEEL
			STRUC	STRUCTURAL
			TEMP	TEMPERATURE
			THRU	THROUGH
			TDH	TOTAL DEVELOPED HEAD
			TDL	TOTAL DEVELOPED LENGTH
			TEL	TOTAL EQUIVALENT LENGTH
			TYP	TYPICAL
			UNO	UNLESS NOTED OTHERWISE
			UL	UNDERWRITERS LABORATORIES
			UBC	UNIFORM BUILDING CODE
			UMC	UNIFORM MECHANICAL CODE
			UPC	UNIFORM PLUMBING CODE
			UR	URINAL
			VCP	VITRIFIED CLAY PIPE
			V/PH/Hz	VOLTS/PHASE/HERTZ
			WB, WSB	WASHING MACHINE SUPPLY BOX
			WC	WATER CLOSET
			WHA	WATER HAMMER ARRESTOR
			WH	WATER HEATER
			YB	YARD BOX

PLUMBING GENERAL NOTES:

- THESE DOCUMENTS MAY NOT BE USED FOR ANY REPRODUCTION, BIDDING, OR CONSTRUCTION UNLESS AUTHORIZED, IN WRITING, BY SALAS O'BRIEN AND THE ENGINEER OF RECORD RESPONSIBLE FOR THEIR PREPARATION.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITY PIPES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS TO THE PLUMBING LAYOUT SHALL BE DONE AT NO EXTRA COST.
- CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE GAS COMPANY, ELECTRIC COMPANY, TELEPHONE COMPANY, AND THE WATER DEPARTMENT, ABOUT THE EXTENT OF PLUMBING WORK. ALL EXCAVATION WORK SHALL BE APPROVED BY ALL UTILITY COMPANIES TO ASSURE PREVENTION OF INTERRUPTION OF EXISTING SERVICES PRIOR TO START OF WORK.
- ALL PLUMBING WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, AMERICANS WITH DISABILITIES ACT (ADA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), THE LOCAL CITY AND COUNTY CODES, AND ALL OTHER CODES HAVING JURISDICTION. IN CASE OF CONFLICT, THE MORE STRICT REGULATIONS SHALL GOVERN.
- ALL PLUMBING WORK SHALL BE COORDINATED WITH THE WORKS OF OTHER TRADES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST.
- FOR MINIMUM PIPE SIZE CONNECTIONS TO EACH PLUMBING FIXTURE SEE PLUMBING FIXTURE SCHEDULE. THESE VALUES ARE MINIMUM; LARGER CONNECTIONS MAY RESULT BASED ON THE DIFFERENT MANUFACTURER'S RECOMMENDATIONS.
- MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN FOR PLUMBING FIXTURES AND EQUIPMENT ARE FOR REFERENCE ONLY. OTHER MANUFACTURERS WHICH CAN MEET THE DESIGN REQUIREMENTS OF THE PLUMBING SYSTEM MAY BE SUBSTITUTED UPON APPROVAL FROM THE ARCHITECT AND THE OWNER.
- PROVIDE DIELECTRIC FITTINGS FOR DISSIMILAR METALS IN CONTACT.
- PROVIDE HANGERS AND SUPPORTS FOR PIPING IN ACCORDANCE WITH THE RECOMMENDATIONS OF MSS SP-59-2003.
- PROVIDE VALVES AT THE FOLLOWING LOCATIONS:
 - WATER MAIN SHUT-OFF VALVE IN VALVE BOX.
 - VALVE WITH HOSE CONNECTION ON DOWNSTREAM SIDE OF THE MAIN SHUT-OFF VALVE.
 - SHUT-OFF VALVE ON EACH SUPPLY TO EACH FIXTURE AND EQUIPMENT ITEM NOT PROVIDED WITH CONTROL, STOP OR OTHER AUXILIARY SHUT-OFF VALVE. INSTALL SHUT-OFF VALVES SO THAT STEMS EITHER ARE VERTICAL WITH HANDWHEELS OR OPERATORS ON TOP OR ARE HORIZONTAL AND SO THAT VALVES ARE EASILY ACCESSIBLE FOR OPERATION, SERVICE, REMOVAL AND REPLACEMENT.
- PROVIDE SLEEVES FOR ALL PIPE AND TUBING PASSING THROUGH FLOORS, ROOFS, AND WALLS. PACK CAULK INTO THE SPACE AROUND THE PIPE OR TUBING. PROVIDE FLASHING FOR ALL PIPES EXTENDING THROUGH THE ROOF.
- ALL VENT TERMINATIONS AT ROOF SHALL BE AT LEAST 10 FEET AWAY FROM OUTSIDE AIR INTAKES, OPERABLE WINDOWS, AND BUILDING OPENINGS.
- FILL CRACKS BETWEEN FIXTURES AND WALL/FLOORS WITH SILICONE RUBBER SEALANT.
- LOCATE, SIZE, AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD NO. WH-201.
- INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. SECURE FLOOR OUTLET OF FLOOR-MOUNTED FIXTURES TO DRAINAGE CONNECTIONS AND FLOOR IN A RIGID MANNER. RIGIDLY SUPPORT WALL-HUNG FIXTURES BY MEANS OF METAL SUPPORTING MEMBERS. USE CHROMIUM-PLATED BRASS BOLTS, NUTS, AND WASHERS WHERE EXPOSED. ALL CONNECTIONS SHALL BE MADE GAS-TIGHT AND WATER-TIGHT. USE OF PUTTY AND PLASTICS FOR GASKETS WILL NOT BE PERMITTED.
- PROVIDE ALL FIXTURE COMPONENTS AS INDICATED ON DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS FOR PROPER OPERATION OF THE FIXTURES.
- PROVIDE EACH PLUMBING FIXTURE (INCLUDING HOSE BIBBS) WITH AN INDIVIDUAL STOP OR COMPRESSION VALVE OF POLISHED CHROME-PLATED LOOSE KEY TYPE.
- WHERE DEPTHS OR INVERTS ELEVATIONS ARE NOT INDICATED, PROVIDE MINIMUM COVERAGE (ABOVE TOP OF PIPES) AS FOLLOWS:
 - ANY PIPING UNDER SLAB (TOP OF PIPE TO UNDERSIDE OF SLAB): 18 INCHES.
 - CAST IRON AND COPPER PIPES IN OTHER LOCATIONS: 18 INCHES.
 - EXCAVATE TO UNDISTURBED EARTH. CUT LEVEL AND FORM TRUE. REMOVE DEBRIS, RUBBISH AND SOFT MATERIAL (SUCH AS MUD). WHERE ROCK IS ENCOUNTERED, UNDERCUT TRENCHES 6-INCHES AND FILL WITH WELL TAMPED NEUTRAL SAND AND PEA GRAVEL TO PROPER PIPE ELEVATION. DURING EXCAVATION FREE OF STANDING WATER. UNDERCUT TRENCH 6-INCHES AND INSTALL PIPING IN A 6-INCH NEUTRAL SAND ENVELOPE.
- BACKFILL TO A POINT 12-INCHES ABOVE TOP OF PIPING WITH EARTH (EXCAVATED MATERIAL MAY BE USED) FREE OF CLAY, DEBRIS, RUBBISH, ROCKS, OR CLOUDS OVER 4-INCHES IN THE GREATEST DIMENSION. BACKFILL ABOVE 12-INCHES FROM TOP OF PIPING MAY BE WITH EXCAVATED MATERIAL. APPLY BACKFILL BY HAND IN 6-INCH DEEP LAYERS THE FULL WIDTH OF THE TRENCH. MOISTEN EACH LAYER (DO NOT FLOOD OR PUDDLE), AND HAND TAMP TO A MINIMUM 90 PERCENT COMPACTION BEFORE PROCEEDING WITH THE NEXT LAYER OF BACKFILL.
- DO NOT EXCAVATE UNDER FOUNDATIONS OR FOOTINGS EXCEPT IN MANNER PERMITTED BY THE ARCHITECT. DO NOT BACKFILL UNTIL INSTALLED PIPING HAS BEEN SUCCESSFULLY TESTED.
- VERIFICATION OF WATER AGENCY APPROVAL SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DIVISION PRIOR TO ISSUANCE OF A PLUMBING PERMIT FOR THIS PROJECT.
- ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE PACKED WITH APPROVED FIRE PROOFING. FOR LOCATIONS OF FIRE RATED ASSEMBLIES, SEE ARCHITECTURAL PLANS.
- ROUTE ALL PIPES AS HIGH AS POSSIBLE IN EXPOSED LOCATIONS. COORDINATE ROUTING WITH ALL OTHER TRADES PRIOR TO START OF WORK.
- NO SPRAY FOAM INSULATION SHALL BE APPLIED TO AREAS CONTAINING PEX PIPING.

GENERAL NOTES

- ALL PLUMBING SYSTEM COMPONENTS SHALL MEET OR EXCEED THE REQUIREMENTS OF CURRENT CBC, CMC, CPC, NEC, NFPA, ASTM, ANSI, AND ALL LOCAL AND STATE CODE REQUIREMENTS. (SEE BELOW)
- ALL PLUMBING EQUIPMENT LISTED IN OF THE 2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE-24, PART 6, SECTION 110.3 ENERGY EFFICIENCY STANDARDS MUST BE CERTIFIED BY THE MANUFACTURER TO MEET OR EXCEED SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE CEC.
- ALL INSULATING MATERIALS INSTALLED MUST BE CERTIFIED BY CALIFORNIA ENERGY COMMISSION TO MEET 2022 CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 6, ENERGY EFFICIENT STANDARDS, SECTION 120.3 AND TABLE 4-1.5.
- ALL INSULATION INSTALLED SHALL MEET THE FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF 2022 CBC, PART 1, SECTION 720 AND 2022 CMC, SECTION 602.2.
- ALL PIPING EXPOSED TO WEATHER SHALL BE METALLIC.
- ALL FERROUS PIPING EXPOSED TO WEATHER SHALL BE GALVANIZED AND PAINTED.
- ALL PIPES, FITTINGS AND FIXTURES USED TO CONVEY POTABLE WATER SHALL BE LEAD FREE IN COMPLIANCE WITH CPC SECTION 604.2.
- ALL FIXTURES REQUIRED TO BE ACCESSIBLE SHALL BE INSTALLED AS PER THE LATEST REQUIREMENTS OF TITLE 24 AND ADA (AMERICANS WITH DISABILITIES ACT).
- CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLIED APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN 103).
- ALL INSTALLATION OF PEX PIPE INSTALLED IN NEW CONSTRUCTION SHALL BE FLUSHED TWICE OVER A PERIOD OF AT LEAST ONE WEEK PER CPC SECTION 604.1.2, PEX
 - AT THE TIME OF FILL, EACH NEW PLUMBING FIXTURE SHALL HAVE A REMOVABLE TAG APPLIED STATING:

THIS NEW PLUMBING SYSTEM SHALL BE FIRST FILLED AND FLUSHED ON (DATE) BY (NAME). THE STATE OF CALIFORNIA REQUIRES THAT THE SYSTEM BE FLUSHED AFTER STANDING AT LEAST ONE WEEK AFTER THE FILL DATE SPECIFIED ABOVE. IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE ABOVE, IF THIS SYSTEM IS USED EARLIER THAN ONE WEEK AFTER THE FILL DATE, THE WATER MUST BE ALLOWED TO RUN FOR AT LEAST TWO MINUTES PRIOR TO USE FOR HUMAN CONSUMPTION. THE TAG MAY NOT BE REMOVED PRIOR TO THE COMPLETION OF THE REQUIRED SECOND FLUSHING, EXCEPT BY BUILDING OWNER OR OCCUPANT.
 - PRIOR TO ISSUING A BUILDING PERMIT TO INSTALL PEX PIPE, THE BUILDING OFFICIAL SHALL REQUIRE AS PART OF THE PERMITTING PROCESS THAT THE CONTRACTOR, OR THE APPROPRIATE PLUMBING SUBCONTRACTORS, PROVIDE WRITTEN CERTIFICATION THAT HE OR SHE WILL COMPLY WITH THE FLUSHING PROCEDURES SET FORTH BY CODE.
 - THE BUILDING OFFICIAL SHALL NOT GIVE FINAL PERMIT APPROVAL FOR ANY PEX PLUMBING INSTALLATION UNLESS HE OR SHE FINDS THAT THE MATERIAL HAS BEEN INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF THE CODE, INCLUDING THE REQUIREMENTS TO FLUSH AND TAG THE SYSTEMS.
 - ANY CONTRACTOR OR SUBCONTRACTOR FOUND TO HAVE FAILED TO COMPLY WITH THE PEX FLUSHING REQUIREMENTS SHALL BE SUBJECT TO THE PENALTIES IN HEALTH AND SAFETY CODE, DIVISION 13, PART 1.5, CHAPTER 6 (SECTION 17995, et seq.).

APPLICABLE CODES

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR PART 1, TITLE 24
- 2022 CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PARTS 1 & 2 (BASED ON THE 2021 EDITION INTERNATIONAL BUILDING CODE, VOLS. 1 & 2)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), CCR TITLE 24, PART 3 (BASED ON THE 2020 EDITION NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), CCR TITLE 24, PART 4, TITLE 24 CCR (BASED ON THE 2021 EDITION UNIFORM MECHANICAL CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), CCR TITLE 24, PART 5, (BASED ON THE 2021 EDITION UNIFORM PLUMBING CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE (CEC), CCR TITLE 24, PART 6, AND ASSOCIATED ADMINISTRATIVE REGULATION IN PART 1.
- 2022 CALIFORNIA FIRE CODE (CFC), CCR TITLE 24, PART 9 (BASED ON THE 2021 EDITION INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), CCR TITLE 24, PART 10, (BASED ON THE 2021 EDITION INTERNATIONAL EXISTING BUILDING CODE WITH CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), CCR TITLE 24, PART 11
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, CCR TITLE 24, PART 12
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	LOCATION	PIPE MATERIAL	SLOPE
WATER	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
	BELOW GRADE	ASTM B88 TYPE "K" HARD DRAWN COPPER, FACTORY INSULATED, WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
SEWER AND VENT	ABOVE GRADE	ASTM A888 SERVICE WEIGHT CAST IRON PIPE AND DWV FITTINGS SHALL CONFORM TO CPC AND BEAR THE COLLECTIVE TRADEMARK OF CISPI AND NSF.	1/4" PER 1'
	BELOW GRADE	ABS SCHEDULE 40 PIPE AND DWV FITTINGS SHALL CONFORM TO ASTM D2321-2000 AND CPC.	1/4" PER 1'

PLUMBING FIXTURE SCHEDULE

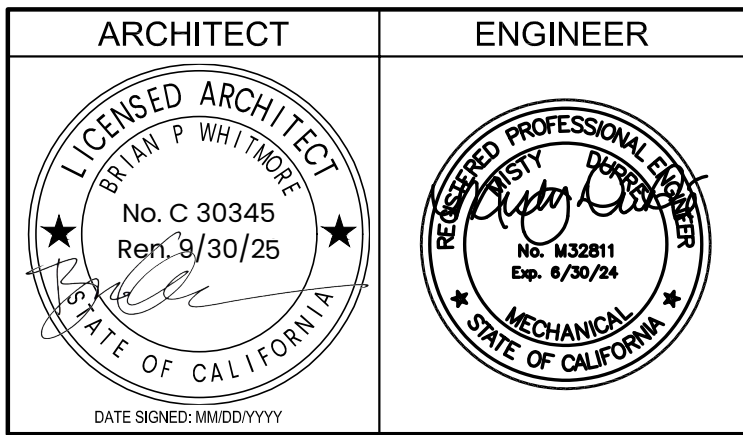
SYMBOL	FIXTURE	MIN. PIPE SIZE				REMARKS
		CW	HW	V	S	
	DRINKING FOUNTAIN W/ BOTTLE FILLER	3/4"	--	--	2"	FREE STANDING 'GROUND MOUNTED' OUTDOOR DRINKING FOUNTAIN HAWS MODEL 3612, VANDAL RESISTANT, ADA COMPLIANT PEDESTAL MOUNTED BOTTLE FILLER WITH 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAIN WITH HEAVY DUTY STAINLESS STEEL PEDESTAL WITH PUSH BUTTON OPERATED STAINLESS STEEL VALVE AND FLOW CONTROL. INSTALL WITH HOSE BIBB MODEL 3660, LOCKABLE HOSE BIBB ATTACHMENT.
	DRINKING FOUNTAIN W/ BOTTLE FILLER	3/4"	--	1-1/2"	2"	WALL MOUNTED EXTERIOR/INTERIOR HI LO DRINKING FOUNTAIN HAWS MODEL 1119-1920, VANDAL RESISTANT, ADA COMPLIANT WITH BOTTLE FILLER OF 1 GPM FLOW AND HIGH-LOW DRINKING FOUNTAINS WITH PUSH BUTTON OPERATED. INSTALL WITH WALL MOUNTING PLATE.
	BOTTLE FILLER	3/4"	--	1-1/2"	2"	WALL MOUNTED BOTTLE FILLER INDOOR/OUTDOOR HAWS MODEL 1922, ADA COMPLIANT, 1 GPM FLOW, PUSH BUTTON OPERATED, WITH DRIP TRAY DRAIN, MODEL 646B. INSTALL WITH WALL MOUNTING PLATE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122281 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/19/2024



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NO.	REMARKS	DATE

REVISION HISTORY

NO.	REVISION	DATE

DRAWING STATUS

☐ DSA PLAN CHECK
☐ DSA BACK CHECK
☐ BIDDING
☐ CONSTRUCTION

KEY PLAN

WASHINGTON UNIFIED
SCHOOL DISTRICT
930 WESTACRE ROAD
WEST SACRAMENTO, CA 95691

PROJECT STATUS

WUSD RIVER CITY HIGH
SCHOOL
ESSR III
1 RAIDER LANE
WEST SACRAMENTO, CA 95691

PLUMBING LEGEND AND GENERAL NOTES

Date
MM/DD/YYYY
Application Number
XX-XXXXXX
Drawn
PP
Checked
SO
Project Number
22047
Drawing Number
P0.1

DESIGN CRITERIA	
DESCRIPTION	DESIGN VALUES
DEAD AND LIVE LOADS	
ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME)	5 PSF MAX
ROOF PANEL DEAD LOAD	M=1.1 PSF, G = 1.2 PSF, S = 1.3 PSF
COLLATERAL DEAD LOAD	M = 3.9 PSF, G = 3.8 PSF, S = 3.7 PSF
ROOF LIVE LOAD, L_r	
	20 PSF
ROOF SNOW LOAD	
GROUND SNOW LOAD, P_g	20 PSF
RISK CATEGORY	II
ROOF SNOW LOAD: SLOPED, P_s	20 PSF
FOR SNOW LOAD CONDITIONS ONLY - SITE APPLICATION REVIEWER SHALL VERIFY THE STRUCTURE SHALL BE LOCATED AT LEAST 20 FEET FROM ANY ADJACENT STRUCTURE FOR SNOW DRIFT.	
SNOW LOAD SLOPE FACTOR, C_s	1.0
SNOW LOAD EXPOSURE FACTOR, C_e	1.0
SNOW LOAD IMPORTANCE FACTOR, I_s	1.0
THERMAL FACTOR, C_t	1.2
LOWEST ANTICIPATED SERVICE TEMPERATURE	30°
WIND DESIGN	
BASIC WIND SPEED (3 SECOND GUST), V_{ult} , V_{avg}	100 MPH, 76 MPH
RISK CATEGORY	II
EXPOSURE CATEGORY	C
FACTORS: K_d , K_z , K_e	0.85, 1.0, 0.85
$q_h = 0.00256 K_d K_z K_e V^2$	18.50 PSF
C_{hw} PER ASCE FIGURE 27.3-5 ROOF ANGLE 18.43° - CLEAR / OBSTRUCTED	CASE A (1.1 / -1.2) CASE B (0.01 / -0.69)
C_{hw} PER ASCE FIGURE 27.3-5 ROOF ANGLE 18.43° - CLEAR / OBSTRUCTED	CASE A (-0.17 / -1.09) CASE B (-0.96 / -1.65)
C_{hi} PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (< h)	CASE A (-0.8 / -1.2) CASE B (0.8 / 0.5)
C_{hi} PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (> h, < 2h)	CASE A (-0.6 / -0.9) CASE B (0.5 / 0.5)
C_{hi} PER ASCE FIGURE 27.3-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED (> 2h)	CASE A (-0.3 / -0.6) CASE B (0.3 / 0.3)
COMPONENTS & CLADDING - C_{cl} (PRESSURE/SUCTION) CLEAR / OBSTRUCTED	ZONE 3 - (2.29 / -2.11) / (1.0 / -3.0) ZONE 2 - (1.77 / -1.63) / (0.8 / -2.3) ZONE 1 - (1.15 / -1.05) / (0.5 / -1.5)
SEISMIC DESIGN	
LATERAL FORCE RESISTING SYSTEM	STEEL - ORDINARY CANTILEVER COLUMN
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
SEISMIC IMPORTANCE FACTOR, I_e	1.0
SEISMIC SITE CLASS	D
WCE_s SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_s	2.60
WCE_s SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S_1	0.90
SHORT PERIOD SITE COEFFICIENT, F_a	1.20
LONG PERIOD COEFFICIENT, F_v	1.70
FUNDAMENTAL PERIOD OF THE STRUCTURE, T (WORST CASE FOR ALL STRUCTURES)	0.152 s
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS}	2.08 <input type="checkbox"/>
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS} - USED TO DETERMINE C_s (WITH CAP PER ASCE 7 12.8.1.3) SOIL PROPERTIES MAY NOT BE CLASSIFIED AS SITE CLASS E	2.08 * 0.70 = 1.456 <input type="checkbox"/>
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-s PERIODS, S_{D1}	1.02
SEISMIC DESIGN CATEGORY	E
SITE SPECIFIC RESPONSE ANALYSIS NOT REQUIRED PER ASCE 7 11.4.8 EXCEPTION 2	$T_n = 0.49$ s <input type="checkbox"/> $T_n < 1.5 * T_n$
RESPONSE MODIFICATION FACTOR, R	1.25
OVERSTRENGTH FACTOR, Ω	1.25
REDUNDANCY FACTOR, ρ	1.3
HORIZONTAL OR VERTICAL IRREGULARITIES	NONE
SEISMIC RESPONSE COEFFICIENT, C_u (20° WIDE, 30° WIDE, 40° WIDE)	1.16 <input type="checkbox"/> 1.00 <input type="checkbox"/> 1.00 <input type="checkbox"/>
DESIGN BASE SHEAR, V (20° WIDE, 30° WIDE, 40° WIDE)	12.73 PSF <input type="checkbox"/> 13.41 PSF <input type="checkbox"/> 14.65 PSF <input type="checkbox"/>
ALLOWABLE SOIL BEARING FOR FOUNDATIONS	VARIABLES - SEE FOUNDATION CHARTS
FLOOD DESIGN - DESIGN IS ASSUMED TO NOT BE IN FLOOD HAZARD AREA	
IF PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED & SIGNED FROM A SOILS ENGINEER IS REQUIRED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED.	

STRUCTURAL SEPARATION		DEFLECTIONS ARE FOR (I) STRUCTURE		
ALL DEFLECTIONS SHOWN ALSO INCLUDE THE P-DELTA ROTATION PER IRC-PC-7		SOIL CLASSES PER CBC TABLE 1806A.2		
MAXIMUM DRIFT $\delta_{h\max}$	SIDE COLUMNS	Soil Class 5	Soil Class 4	Soil Class 3
20° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.40	[] 2.55	[] 2.65
30° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.15	[] 2.30	[] 2.40
40° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.20	[] 2.20	[] 2.30
MINIMUM SEPARATION ($\delta_m = C_d \delta_{h\max}$)	$C_d = 1.25$			
20° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 3.00	[] 3.19	[] 3.31
30° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.69	[] 2.88	[] 3.00
40° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.75	[] 2.75	[] 2.88
MAXIMUM DRIFT $\delta_{m\max}$	END COLUMNS	Soil Class 5	Soil Class 4	Soil Class 3
20° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.40	[] 2.55	[] 2.65
30° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.15	[] 2.30	[] 2.40
40° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.20	[] 2.20	[] 2.30
MINIMUM SEPARATION ($\delta_m = C_d \delta_{m\max}$)	$C_d = 1.25$			
20° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 3.00	[] 3.19	[] 3.31
30° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.69	[] 2.88	[] 3.00
40° WIDE (8° EAVE HT, 10° EAVE HEIGHT, 12° EAVE HT) (INCHES)		[] 2.75	[] 2.75	[] 2.88

INSTRUCTIONS FOR ARCHITECTS SUBMITTING THESE PRE-CHECKED DRAWINGS TO DSA:

BEFORE SUBMITTING THESE PRE-CHECKED DRAWINGS FOR YOUR PROJECT, FOLLOW THE STEPS BELOW TO PROPERLY DEFINE THE APPROVED OPTIONS:

STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT
-HP STRUCTURES UP TO 20' WIDE USE THE "RH 20" BASE FRAME
-HP STRUCTURES UP TO 30' WIDE USE THE "RH 30" BASE FRAME
-HP STRUCTURES UP TO 40' WIDE USE THE "RH 40" BASE FRAME
-MAXIMUM WIDTH IS 40' (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
-THE 24", 44", 64", 84" AND 104" LENGTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST COMMON (20" BAYS ARE THE MOST ECONOMIC)
-FRAME LENGTHS ASSUME 2" OVERHANDS (UNO BY ARCHITECT - 2" MAX DIMENSION)

STEP 1	FRAME DIMENSIONS					
	SUGGESTED					OTHER
	FRAME WIDTH	[] 20'	X	30'	[] 40'	[] (40' MAX)
	FRAME LENGTH	[] 44'	X	64'	[] 84'	[] 104'

STEP 2: SELECT ROOF DECK FOR YOUR PROJECT
- "M" REPRESENTS MCLEOD METAL "MULTI-RIB" ROOF PANEL
- "G" REPRESENTS MCLEOD METAL "MEGA-RIB" ROOF PANEL
- "S" REPRESENTS MCLEOD METAL "MEDALLION-LOCK" 16" STANDING SEAM ROOF PANEL

STEP 2	ROOF PANEL			
	ROOF PANEL TYPE	[] M	[] G	[] S

STEP 3: IDENTIFY THE S_s ACCELERATION (g) FOR YOUR PROJECT
- S_s VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
- S_s VALUE DEPENDS ON THE PROJECT'S GEOGRAPHICAL LOCATION (VALUES RANGE FROM 0.00 TO 3.73)
- FIND S_s VALUES FOR YOUR PROJECT ON THE USGS WEBSITE (SEARCH INTERNET FOR "USGS SEISMIC DESIGN MAPS")

STEP 3	PROJECT SITE - S_s ACCELERATION (g)
	0.613.

STEP 4: IDENTIFY THE S_s REGION FOR YOUR PROJECT
- THE REGIONS ARE DEPENDANT ON THE S_s VALUE DETERMINED IN STEP 3
- THE S_s REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED ON THE FRAME

STEP 4	S_s REGION		
	S_s REGIONS		MAX DEAD LOAD
	DESCRIPTION		
		$0 < S_s \leq 2.14$	5 PSF
		$2.14 < S_s \leq 2.50$	9 PSF
		$2.50 < S_s \leq 2.60$	9 PSF

STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT
- THE ROOF DEAD LOAD WILL ALWAYS BE INCLUDED
- THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME
- BE SURE THE TOTAL ROOF DEAD LOAD FOR YOUR PROJECT IS LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 4 FOR YOUR S_s VALUE
- S_{ds} VALUE USED IN CALCULATION IS THE CAPPED S_{ds} (SEE DESIGN CRITERIA)

STEP 5	TOTAL ROOF DEAD LOAD		
	DEAD LOAD	EXAMPLES	
	ROOF DECK	1.3 PSF	M=1.1PSF; G=1.2PSF; S=1.3PSF (SEE STEP 2)
	COLLATERAL	0 PSF	LIGHTNING/FIRE SUPPRESSION/SOLAR PANELS, ETC.
	TOTAL	1.3 PSF	ADD ROOF DECK AND COLLATERAL LOADS (MAX 9 PSF)

STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT
- IDENTIFY SOIL CLASS FOR PROJECT SITE PER SITE SPECIFIC SOIL CONDITIONS
- USE THIS TO SELECT CORRECT FOUNDATION SIZE ON FOUNDATION SHEET

STEP 6	FOUNDATION REQUIREMENTS		
	[] GEOTECHNICAL REPORT NOT REQUIRED		[] GEOTECHNICAL REPORT REQUIRED
	SOIL CLASS 5 (BEARING) 1500 PSF []	SOIL CLASS 4 (BEARING) 2000 PSF []	SOIL CLASS 3 (BEARING) 3000 PSF []
	SOIL CLASS 5 (LATERAL BEARING) 200 PSF/FT	SOIL CLASS 5 (LATERAL BEARING) 300 PSF/FT	SOIL CLASS 5 (LATERAL BEARING) 400 PSF/FT
	COHESION 130 PSF	FRICTION COEFFICIENT 0.25	FRICTION COEFFICIENT 0.30

- SELECT & VERIFY MINIMUM SEPARATION DISTANCE BETWEEN STRUCTURES

STEP 7: SELECT MISCELLANEOUS OPTIONS FOR YOUR PROJECT
- MAXIMUM CLEAR HEIGHT IS 12'-0" (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE)
- MARK UP PC DRAWINGS WITH SIZE AND LOCATION OF CUTOUTS BEFORE SUBMITTING TO DSA

STEP 7	MISCELLANEOUS		
	DESIGN OPTIONS		
	CLEAR HEIGHT	[] 8' [x] 10' [] 12' MAX	
	ELECTRICAL CUTOUTS	[] YES	[x] NO
	GUTTERS	[x] YES	[] NO

STEP 8: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT
- REFERENCE THE BASE FRAME (STEP 1) AND THE ROOF PANEL TYPE (STEP 2)
- IDENTIFY THE APPLICABLE SHEET INDEX

SHEET INDEX														
STEP 8	BASE FRAME				RH 20			RH 30			RH 40			
	ROOF PANEL TYPE				M	G	S	M	G	S	M	G	S	
	SELECT ONE				[]	[]	[]	[]	[]	X	[]	[]	[]	
	GENERAL NOTES				LS10	LS10	LS10	LS10	LS10	LS10	LS10	LS10	LS10	
	FOUNDATION PLAN				LS2.0	LS2.0	LS2.0	LS3.0	LS3.0	LS3.0	LS4.0	LS4.0	LS4.0	
	FRAMING PLAN				LS2.1	LS2.1	LS2.1	LS3.1	LS3.1	LS3.1	LS4.1	LS4.1	LS4.1	
	FRAME CONNECTION DETAILS				LS2.1	LS2.1	LS2.1	LS3.1	LS3.1	LS3.1	LS4.2	LS4.2	LS4.2	
	ROOFING LAYOUT & DETAILS				LS2.2	LS2.3	LS2.4	LS3.2	LS3.3	LS3.4	LS4.3	LS4.4	LS4.5	
	DSA 103 EXAMPLE				LS12	LS12	LS12	LS12	LS12	LS12	LS12	LS12	LS12	
	MISC DESIGN OPTIONS				LS5.0	LS5.0	LS5.0	LS6.0	LS6.0	LS6.0	LS5.0	LS5.0	LS5.0	

STEP 9: INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL
- INCLUDE "MISC DESIGN OPTIONS" SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUTS OR GUTTERS

STEP 10: IDENTIFY PROJECT NAME AND LOCATION	PROJECT NAME:	SCHOOL DISTRICT:
	RIVER CITY HIGH SCHOOL	WASHINGTON UNIFIED SCHOOL DISTRICT

STEP 11: CROSS OUT EXAMPLE 103 FORMS & INCORPORATE REQUIRED SPECIAL INSPECTIONS 103 FORMS THAT ARE PROJECT SPECIFIC

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

SNOW
 $P_g = 0$ psf
 $P_s = 0$ psf
 $C_e = 0$ psf

WIND
 $V = 95$ mph < 150 mph
 $I_t = 1.0$ ☐

EXPOSURE: (X) D ☐

SEISMIC
[X] DESIGN BASED ON SITE CLASS D
NO GEOTECHNICAL INVESTIGATION REQUIRED
 $S_s = 0.613$ $F_a = 1.2$

☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED

SITE CLASS: C ☐ D ☒ E ☐
 $S_s =$ $F_a =$ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1

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

SITE CLASS: C ☐ D ☐ E ☐

$S_{ds} = F_a S_s = 0.613$ ($S_{ds} = 2.08$ USED IN DESIGN, CONSERVATIVE)

☐ SITE CLASS D $S_s = 0.7 + 0.01 V_s + 0.1$ $S_{ds} = 2.08$
☐ SITE CLASS E $S_s = 0.7 + 0.01 V_s + 0.1$ $S_{ds} = 2.08$

$C_s = 1.00$ USED IN DESIGN

SEISMIC DESIGN CATEGORY: D [X] E ☐

*SITE SPECIFIC S_{ds} VALUE BEFORE APPLYING REDUCTION
ALLOWED BY ASCE 7 SECTION 12.8.1.3

ABBREVIATIONS:

ACI	AMERICAN CONCRETE INSTITUTE	MPH	MILES PER HOUR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	M	MULTI-RIB ROOF PANEL (MCLEOD)
ASM	ASSEMBLY (INTERNAL REFERENCE)	NTS	NOT TO SCALE
ASTM	AMERICAN SOCIETY FOR TESTING AND MAT'L S	NO	NUMBER
AWS	AMERICAN WELDING SOCIETY	OC	ON CENTER
CBC	CALIFORNIA BUILDING CODE	OSHA	OCCUPATIONAL HEALTH AND SAFETY ADMIN
CJP	COMPLETE JOINT PENETRATION	PCF	POUNDS PER CUBIC FOOT
CLR	CLEAR	PJ	PRETENSIONED JOINT
DEG	DEGREE	PLCS	PLACES
DIA	DIAMETER	PLT	PLATE
DM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DSA	DIVISION OF THE STATE ARCHITECT	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QTY	QUANTITY
FT	FEET	REF	REFERENCE
GA	GAGE	SQ	SQUARE
IN	INCHES	SS	STANDING SEAM ROOF PANEL (MCLEOD)
KSI	KIPS PER SQUARE INCH	TYP	TYPICAL
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MIN	MINIMUM	USGS	U.S. GEOLOGICAL SURVEY
MISC	MISCELLANEOUS	W/	WITH

ARCHITECTURAL REQUIREMENTS		
DESCRIPTION		DESIGN VALUES
TYPE OF CONSTRUCTION		II-B
OCCUPANCY CLASSIFICATION		A-3
NUMBER OF STORIES		1
FIRE SPRINKLER SYSTEM		NOT BY ICON/WEIGHT NOT INCLUDED IN DESIGN
MOST COMMON RH20 MIN/MAX SQ.FT (SEE STEP 1)		480/2,080
MOST COMMON RH30 MIN/MAX SQ.FT (SEE STEP 1)		720/3,120
MOST COMMON RH40 MIN/MAX SQ.FT (SEE STEP 1)		960/4,160
AREA OVER 4000 SQ.FT REQUIRES GEOHAZARD REPORT		
ALLOWABLE ARE FOR II-B / A-3 IS 9500 SQ.FT		

RELATED BUILDING CODES AND STANDARDS

TITLE 24 CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC).....(PART 1, TITLE 24, CCR)
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE.....(PART 3, TITLE 24, CCR)
2022 CALIFORNIA MECHANICAL CODE (CMC).....(PART 4, TITLE 24, CCR)
2022 CALIFORNIA PLUMBING CODE (CPC).....(PART 5, TITLE 24, CCR)
2022 CALIFORNIA ENERGY CODE.....(PART 6, TITLE 24, CCR)
2022 CALIFORNIA FIRE CODE (CFC).....(PART 9, TITLE 24, CCR)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE.....(PART 11, TITLE 24, CCR)
2022 CALIFORNIA REFERENCE STANDARDS CODE.....(PART 12, TITLE 24, CCR)
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:
2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

SCOPE OF WORK NARRATIVE

THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF HOLLOW STRUCTURAL STEEL MEMBERS SUPPORTED BY CONCRETE FOUNDATIONS. THE FLEXIBILITY INCLUDED HEREIN ALLOWS THE STRUCTURE TO COMPLY WITH A WIDE VARIETY OF PROJECT SITES AND LOADING REQUIREMENTS.

GENERAL:

1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL STATE AND FEDERAL REGULATIONS.
3. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISIT TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONSTRUCTION.
6. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS, EXCEPT AS AMENDED BY CBC CHAPTER 35.
7. CONFORM TO APPLICABLE CALIFORNIA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.
8. THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.
9. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
10. THE SCHOOL DISTRICT INSPECTOR ON RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO ROOF INSTALLATION.
11. SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIREMENTS.
12. LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE.
13. VIEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 KSI, GRADE B OR A501 UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A-500, GRADE B (OR C), Fy = 46 KSI, MIN.
4. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESS CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE DRAWINGS (MAXIMUM INCREASE OF 1/8").
5. ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A-36, Fy = 36 KSI.
6. ALL PLATE STEEL SHALL CONFORM TO ASTM A-572, Fy= 50 KSI.
7. ALL COLD FORM STEEL SHALL CONFORM TO ASTM A-653, CS = TYPE B, Fy = 50 KSI Fu = 65 KSI
8. STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
9. ALL ROOF DECKS SHALL HAVE KYNAR 500 METAL COATING.
10. ALL ROOF DECKS SHALL CONFORM TO ASTM A-792, Fy = 50 KSI.
11. ALL BASE CONNECTIONS ARE A PART OF THE LATERAL FORCE RESISTING SYSTEM

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

1. PER TITLE 24, PART 1, SECTION 4-316(a) OF THE CALIFORNIA CODE OF REGULATIONS, THIS NOTICE SHALL BE GIVEN TO DSA PRIOR TO THE APPROVAL OF PLANS AND SPECIFICATIONS.
2. FOR THE SITE SPECIFIC PROJECT, J. R. MILLER & ASSOCIATES IS NOT THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
3. FOR THE SITE SPECIFIC PROJECT, J.R. MILLER & ASSOCIATES' RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC ONLY.
4. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM J.R. MILLER & ASSOCIATES' RESPONSIBILITY FOR THE SITE SPECIFIC PROJECT.
5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING SHALL BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, STRUCTURAL OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF OF THE VERIFIED REPORT FOR COMPLETED WORK.
6. J.R. MILLER & ASSOCIATES WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC WHICH ARISE DURING PLAN REVIEW AND CONSTRUCTION.

CONSTRUCTION NOTES

1. A DSA-CERTIFIED CLASS 3 (MINIMUM) PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS ARE THAT ALL THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

WELDING:

1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.
2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 FT-LB-IP (0' F).
3. ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING.
4. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.

BOLTING:

1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE HOT DIPPED GALVANIZED ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS (UNF), WITH THE NUTS CONFORMING TO HOT DIPPED GALVANIZED ASTM A-563 GRADE DH.
2. HIGH STRENGTH BOLTS SHALL BE VERIFIED AND INSPECTED PER CBC 1705A2.1.
3. BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS – INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.
4. HARDENED STEEL WASHERS SHALL CONFORM TO ASTM F-436.
5. THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO THE ERECTION OF THE FRAME.
BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S
USING HIGH-STRENGTH BOLTS; CBC 1705A2.1; AISC 341-16 (F); AISC 360-16 NS6.
A) PRETENSIONED JOINTS MUST BE INSTALLED AND INSPECTED TO MEET ONE OF THE FOLLOWING REQUIREMENTS:
1. TURN-OF-NUT PRETENSIONING: PER SECTION 8.2.1 OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, WASHERS ARE NOT REQUIRED FOR THIS METHOD. THE NUT OR HEAD SHALL BE ROTATED AS SPECIFIED IN TABLE B.2. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
2. CALIBRATED WRENCH: PER THE SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, WASHERS ARE REQUIRED (NOT SUPPLIED BY KCM) THESE SHALL BE INSTALLED PER THE INSTALLATION TORQUE DETERMINED IN THE PRE-INSTALLATION VERIFICATION OF THE FASTENER ASSEMBLY PER SECTION 7. THE PART NOT TURNED SHALL BE PREVENTED FROM ROTATING.
3. IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH "PT REQUIRED"
B) ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO MEET THE REQUIREMENTS OF THE SHUC-TIGHTENED JOINTS. SHUC TIGHT CONDITION EXISTS WHEN ALL PILES IN A CONNECTION HAVE BEEN PULLED INTO FIRM CONTACT BY THE BOLTS IN THE JOINT AND ALL OF THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.

FOUNDATIONS:

1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER CBC TABLE 1806A, UNLESS NOTED OTHERWISE. PASSIVE PRESSURE IS ASSUMED TO START 12" BELOW TOP OF FOOTING.
2. PER CBC SECTION 1803A.2, GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2.
3. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D-1557 OR AS RECOMMENDED BY THE GEO-TECH ENGINEER. FLOODING NOT PERMITTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE.
5. MINIMUM SETBACK FROM TOE OF SLOPE ON AN ASCENDING SLOPE SHALL BE 15 FEET AND MINIMUM SETBACK FROM TOE OF SLOPE ON A DESCENDING SLOPE SHALL BE 40 FEET
6. PER CBC SECTION 1803A.6, GEOHAZARD REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS.
7. GEOHAZARD REPORTS ARE TO COMPLY WITH DSA IR A-4 PER IR-7 SECTION 1.8
8. SITE SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION IF USING OTHER THAN CLASS 5 SOIL PER DSA IR PC-7.
9. LATERAL BEARING HAS BEEN INCREASED PER CBC 1806A.3.4 FOR THE 1/2" DEFLECTION & HAS BEEN DESIGNED FOR P-DELTA EFFECTS. NO 1/3 INCREASE HAS BEEN APPLIED.
10. MINIMUM CLEARANCE BETWEEN PIERS SHALL BE 8'-0".

CONCRETE:

1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)

STRENGTH P _c (28 DAYS)	W/C RATIO (NON-AIR ENTRAINED)	W/C RATIO (AIR ENTRAINED)	SLUMP (4")	UNIT WEIGHT (NORMAL WEIGHT)
5000 PSI	0.44	0.35	3"	150 PCF

2. CONCRETE MIX DESIGN PARAMETERS ARE GOOD FOR EXPOSURE CATEGORIES F0, F1 & F2. THE AIR ENTRAINMENT FOR THESE CATEGORIES SHALL BE AS FOLLOWS: F0-0, F1-4.5, F2-6.
3. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA.
4. AGGREGATES SHALL CONFORM TO THE ASTM C-33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.005. MAX AGGREGATE SIZE = 1".
5. CEMENT SHALL CONFORM TO ASTM C-150 (TYPE V) UNLESS NOTED OTHERWISE ON THE DRAWINGS.
6. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
7. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET.
8. CONCRETE DURABILITY SHALL BE PER CBC 1804A.1, ACI 318-19, CHAPTER 19.
9. CONCRETE SHALL BE TESTED PER CBC 1805A, TABLE 1705A.3, AND ACI 318-19, SECTION 26.12.
10. NO ADMIXTURE SHALL CONTAIN CALCIUM CHLORIDE.

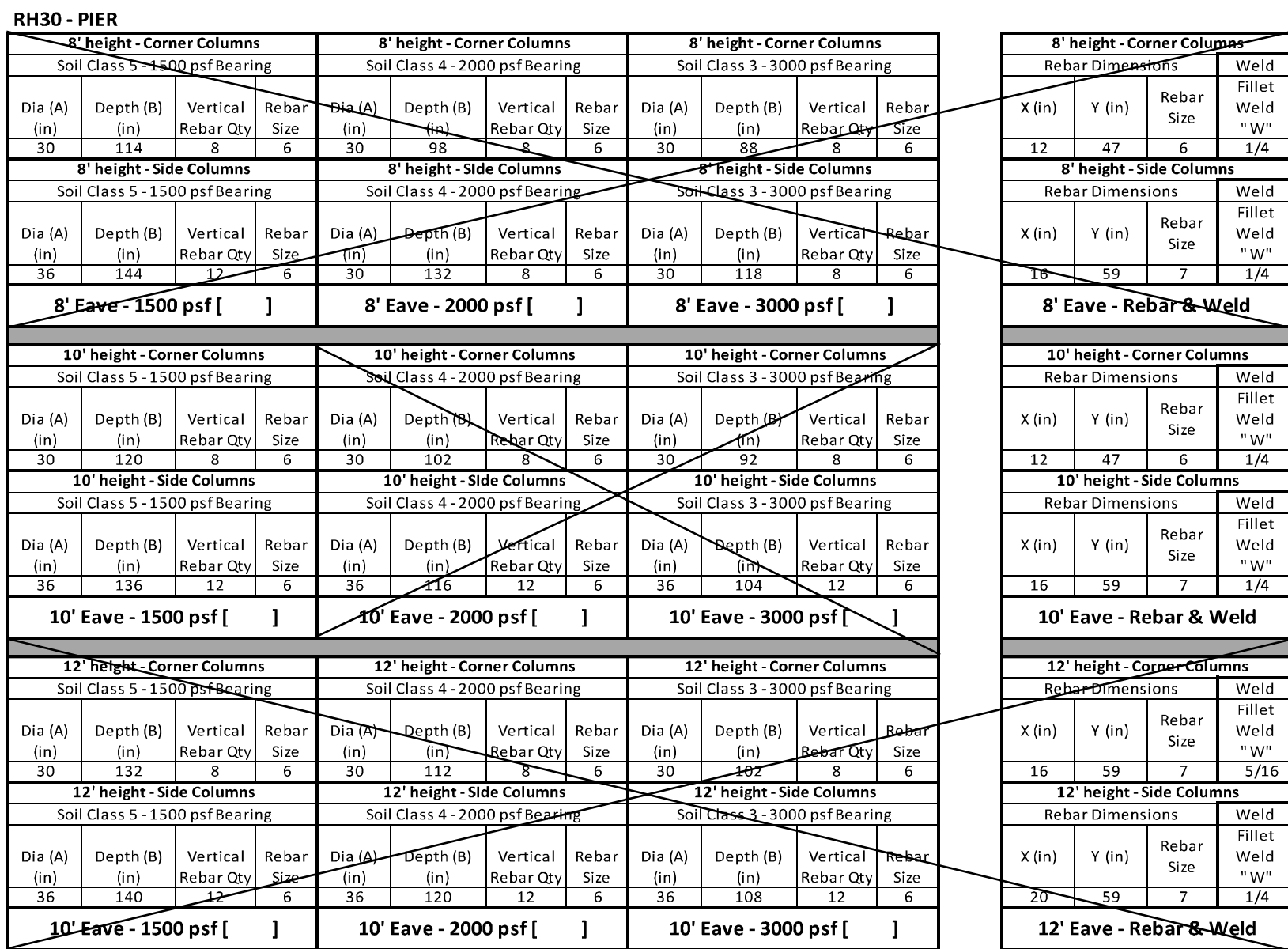
REINFORCING STEEL:

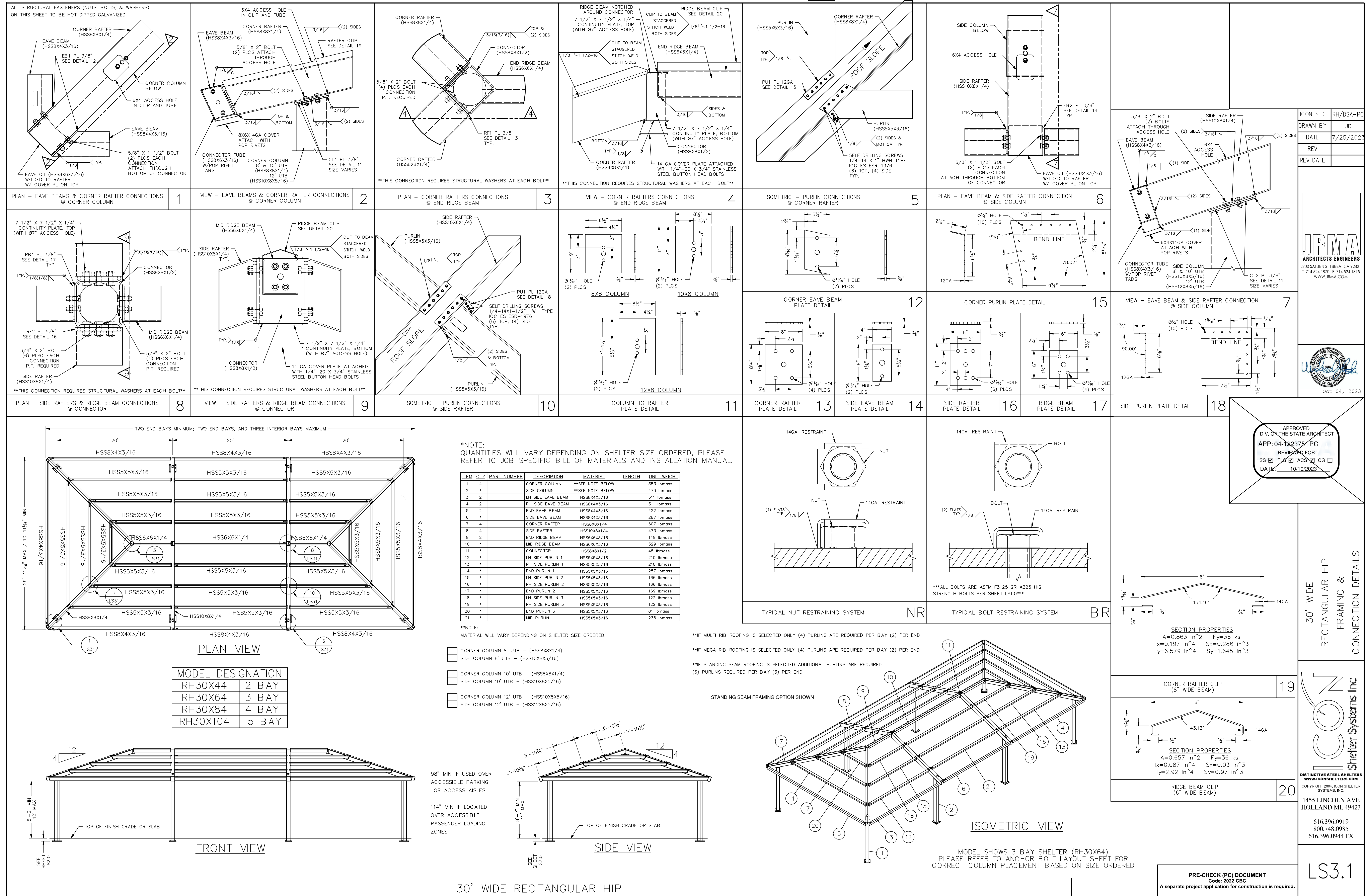
1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS:
OR 60: (#4 BARS AND LARGER)
OR 40: (#3 BARS)
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."
3. MIN. COVER FOR CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
A. CAST AGAINST EARTH3"
B. CAST AGAINST FORM BELOW GRADE2"
C. FORMED SLABS (#11 BAR & SMALLER).....3/4"
D. SLABS ON GRADE (FROM TOP OF SLAB).....1"
4. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
5. REINFORCING SHALL BE LAP SPLICED PER ACI 318-19, SECTION 25.5.
6. PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
7. WELDING OF REINFORCING IS NOT ALLOWED.
8. REINFORCING STEEL SHALL BE INSPECTED PER CBC 1705A.3.

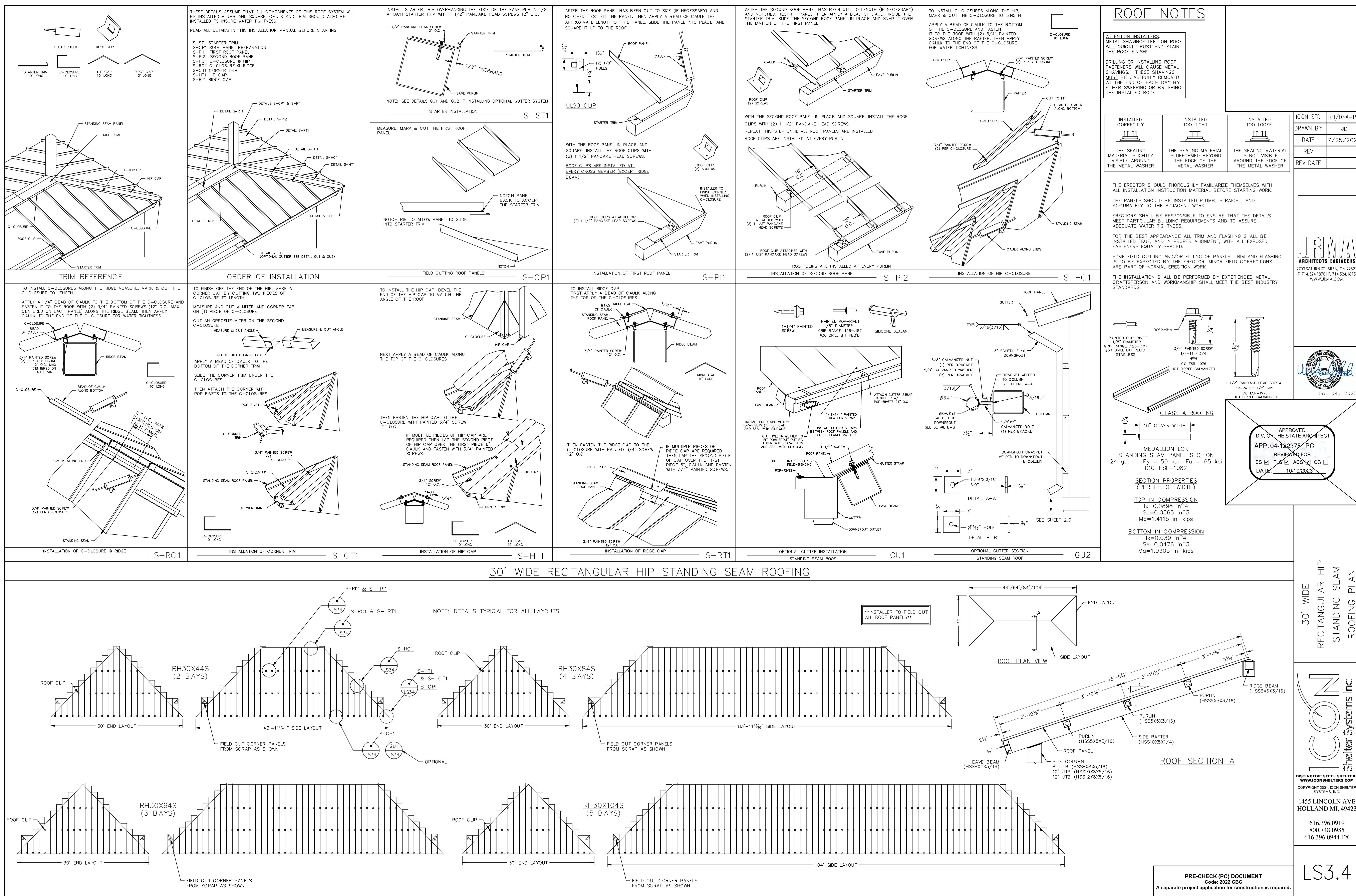
POWDER-COAT FINISH SYSTEM:

ALL BUILDINGS THAT HAVE A POWDER-COATED FINISH SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. THE STEEL FRAME (HSS SECTIONS, COLD FORMED & PLATE STEEL) SHALL BE SHOT-BLASTED TO A NEAR WHITE CONDITION PER SSPC-10 SPECIFICATIONS.
2. THE STEEL SHALL BE WASHED IN A ZINC PHOSPHATE IN AN MINIMUM THREE STAGE ELECTRO DEPOSITION PRE-TREATMENT PROCESS.
3. IMMEDIATELY FOLLOWING PRE-TREATMENT THE STEEL SHALL BE TOTALLY COATED IN AN EPOXY PRIMER TO A UNIFORM THICKNESS OF A MINIMUM OF 0.7 TO 0.9 MILS. THE E-COATING SHALL PROVIDE A MINIMUM OF 1000 HOURS OF SALT SPRAY CORROSION PROTECTION TO THE STEEL.
4. THE STEEL SHALL THEN HAVE A IGIC POLYESTER COLOR COAT APPLIED OVER THE E-COATED SURFACE.
5. THE FINISH THICKNESS OF THESE APPLICATIONS SHALL BE A MINIMUM OF 8 TO 12 MILS.
6. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, & COLD FORMED STEEL ETC.) NOT POWDER-COATED SHALL BE PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3" UNLESS NOTED OTHERWISE).

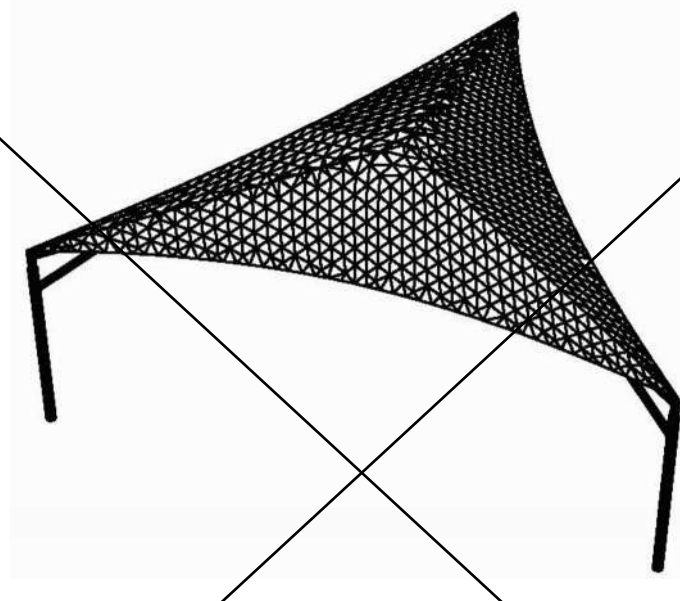
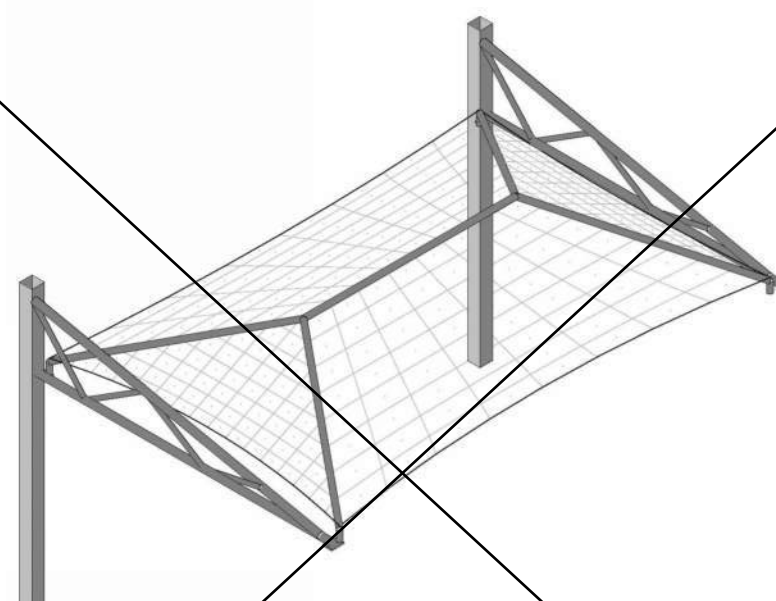
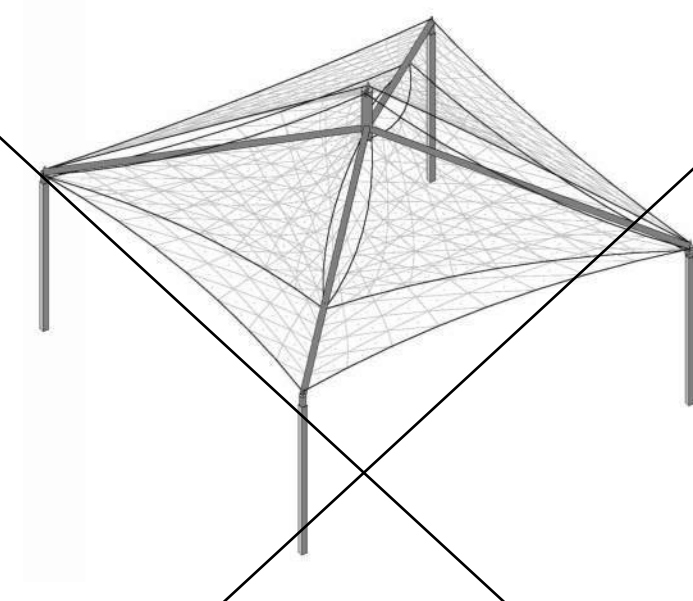
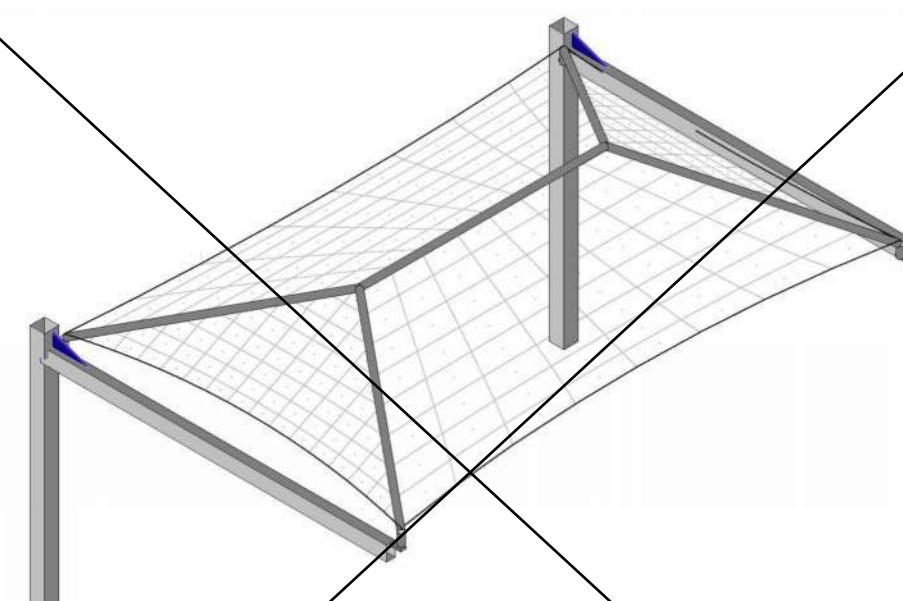
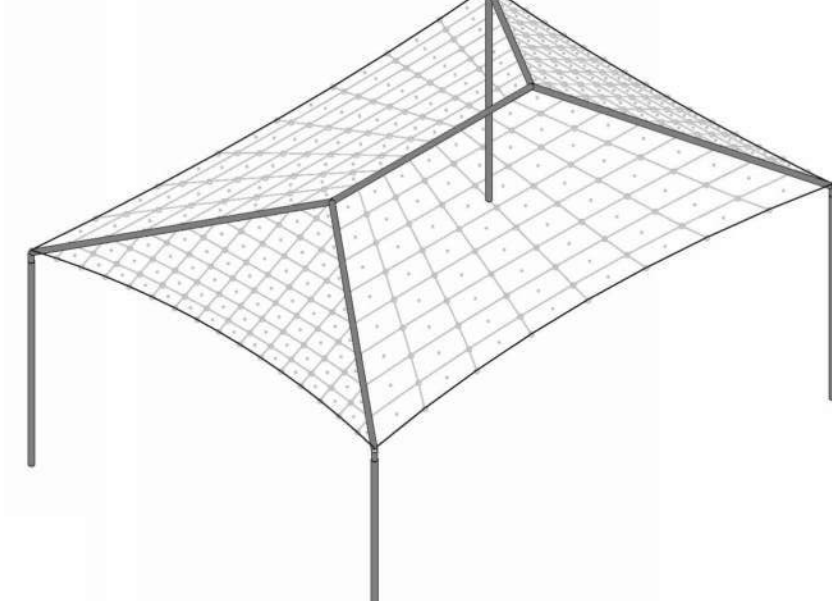


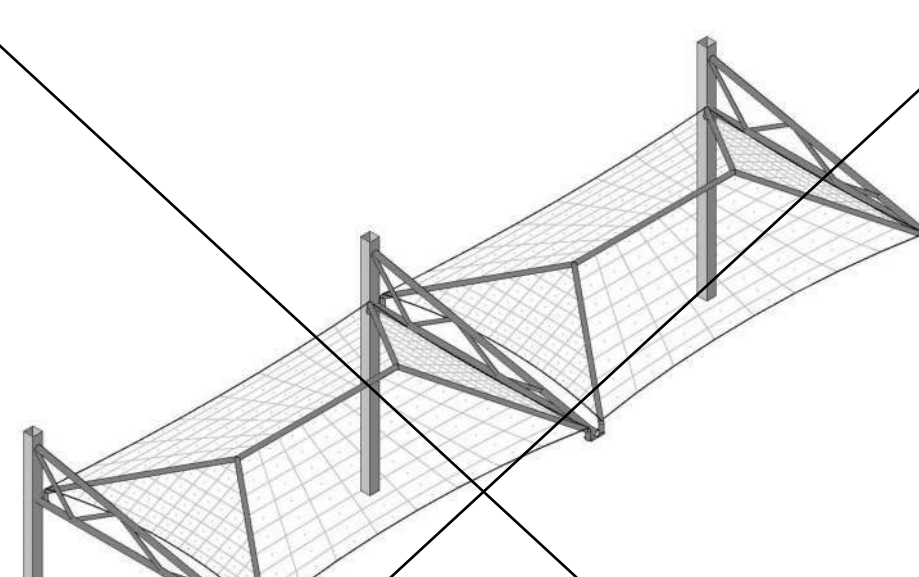
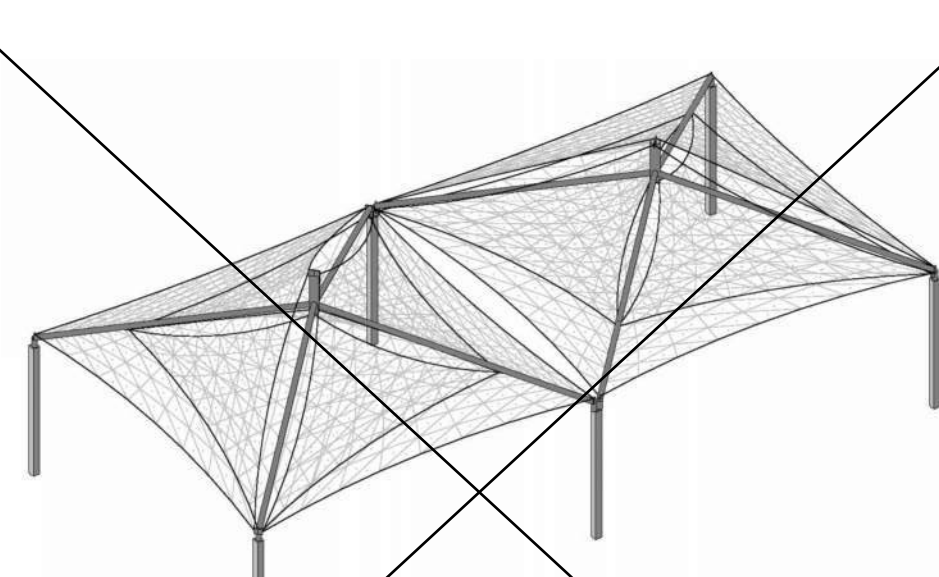
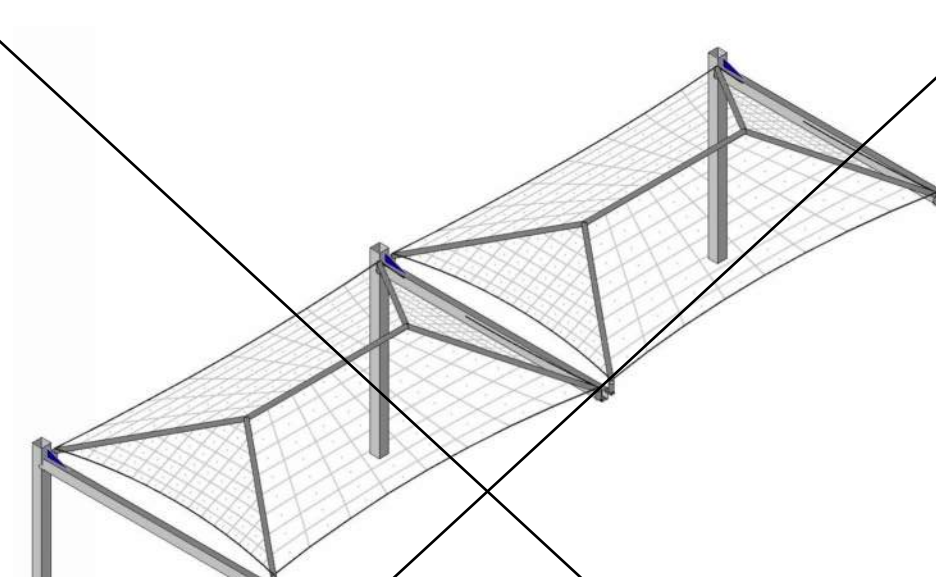
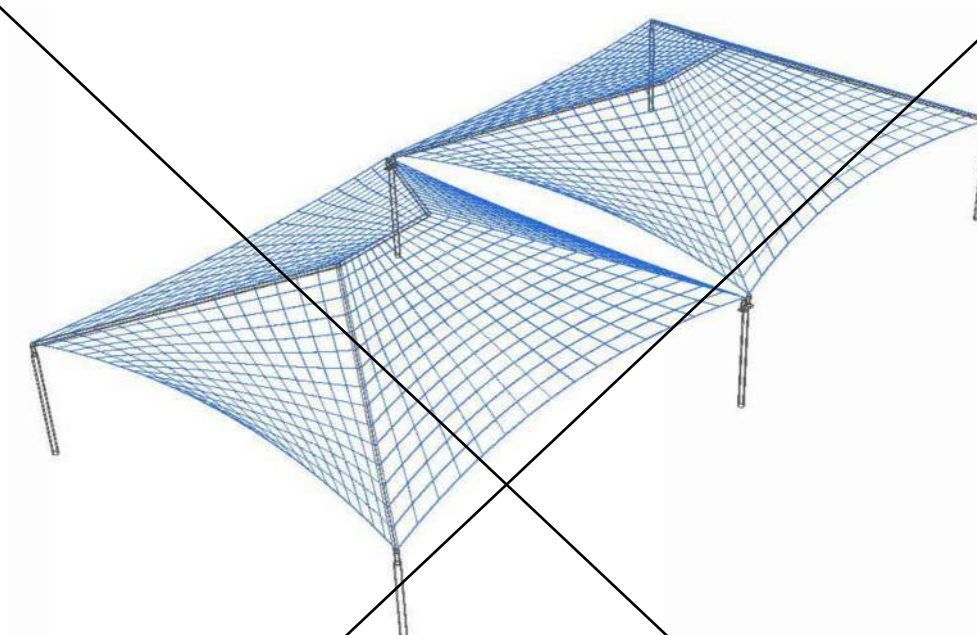
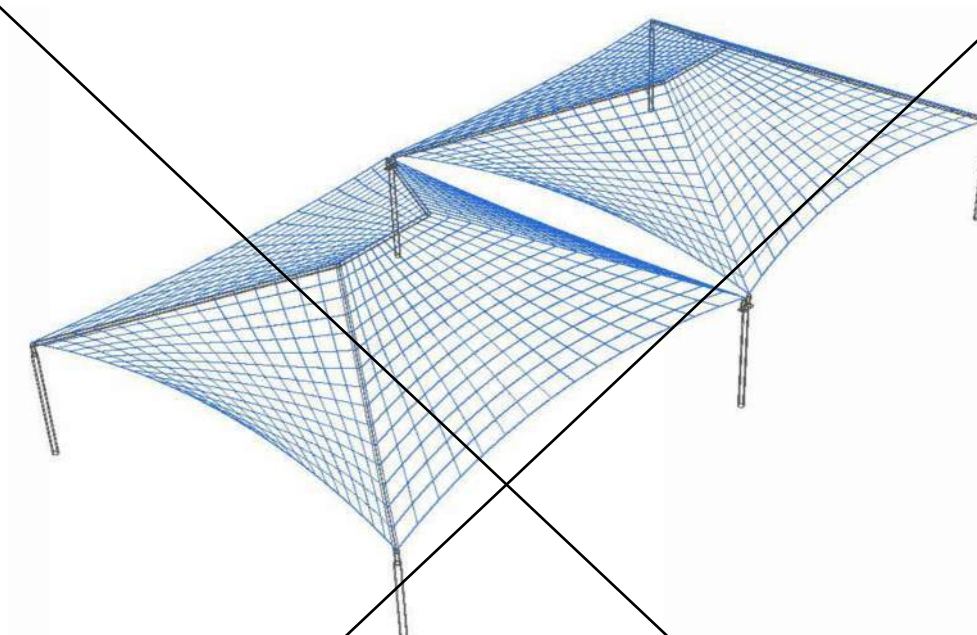
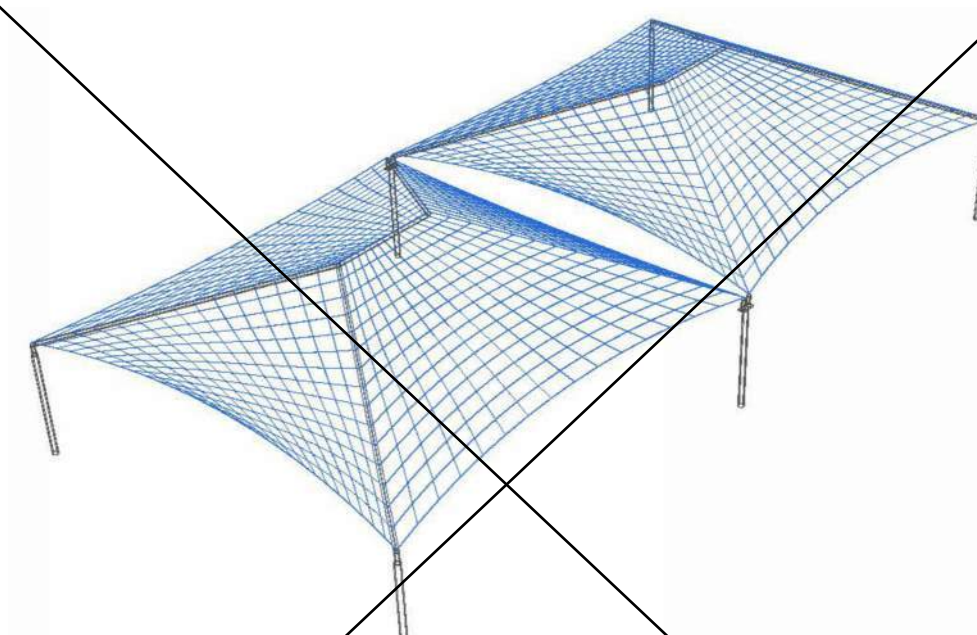
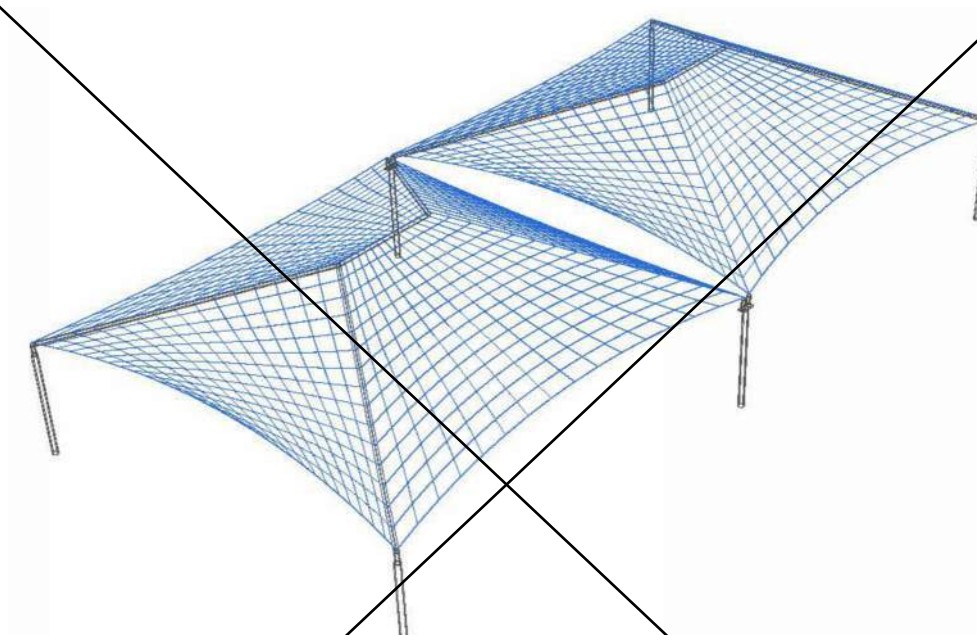
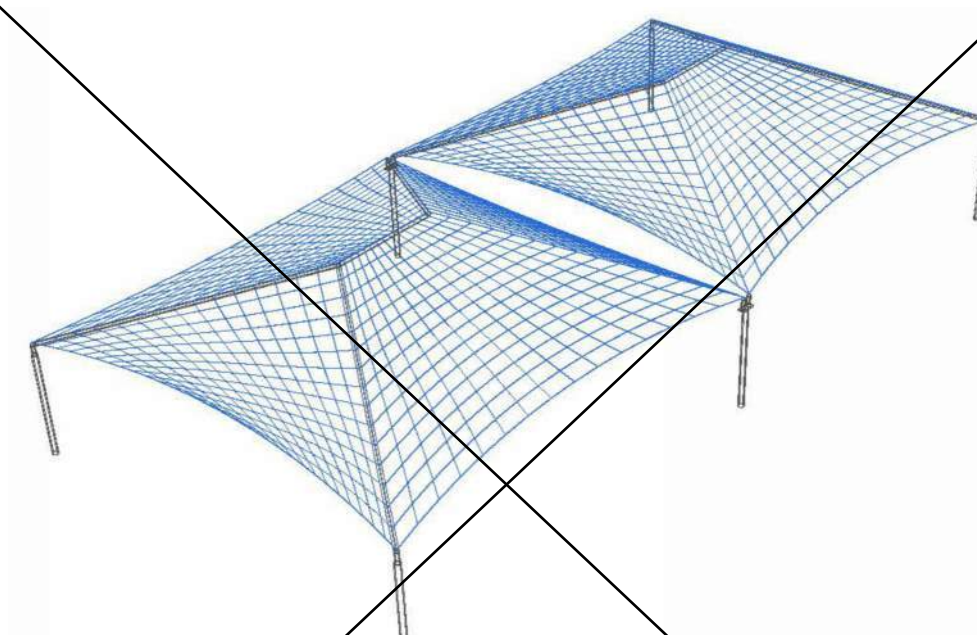
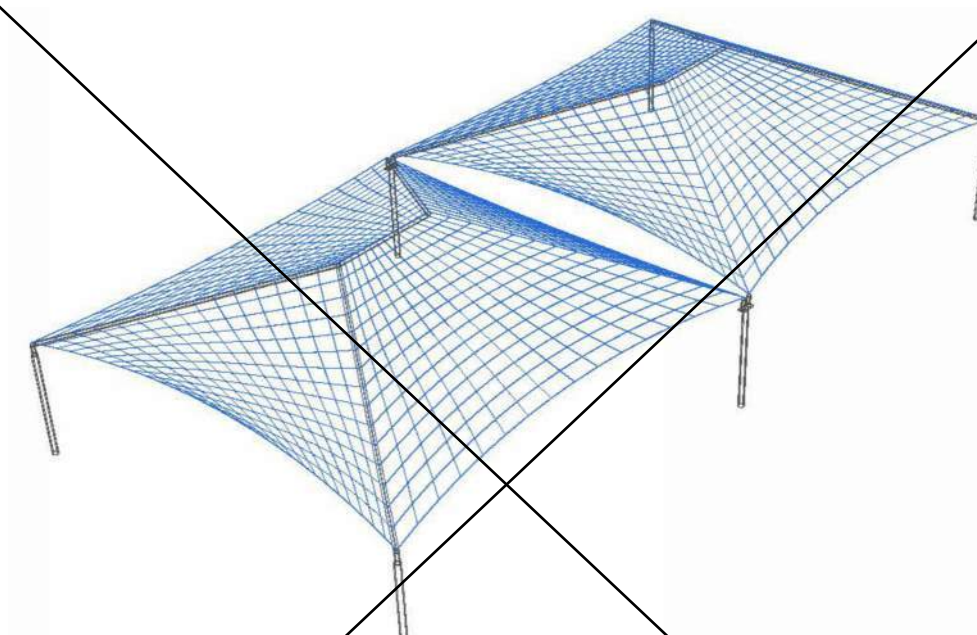
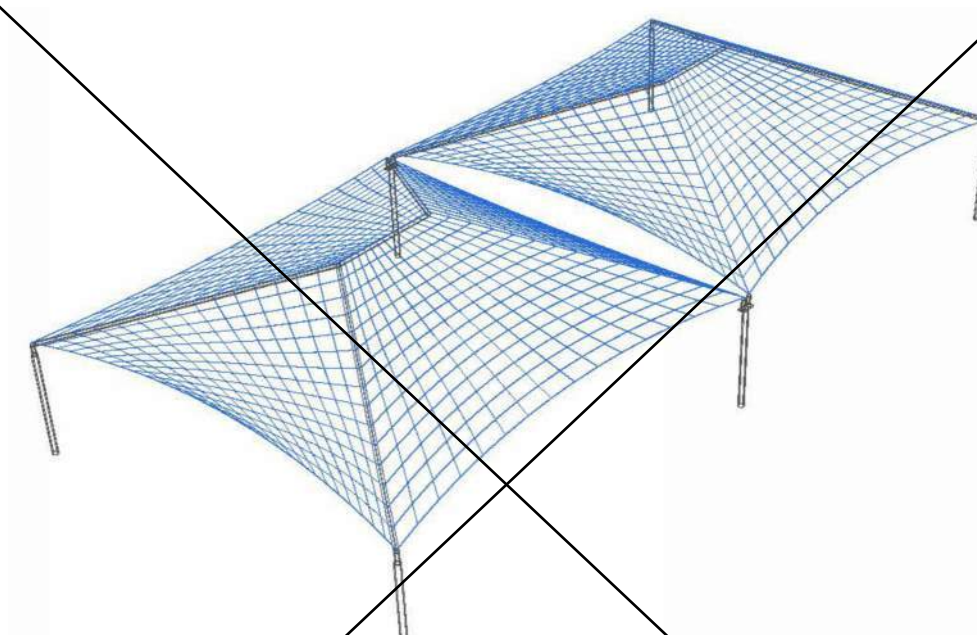
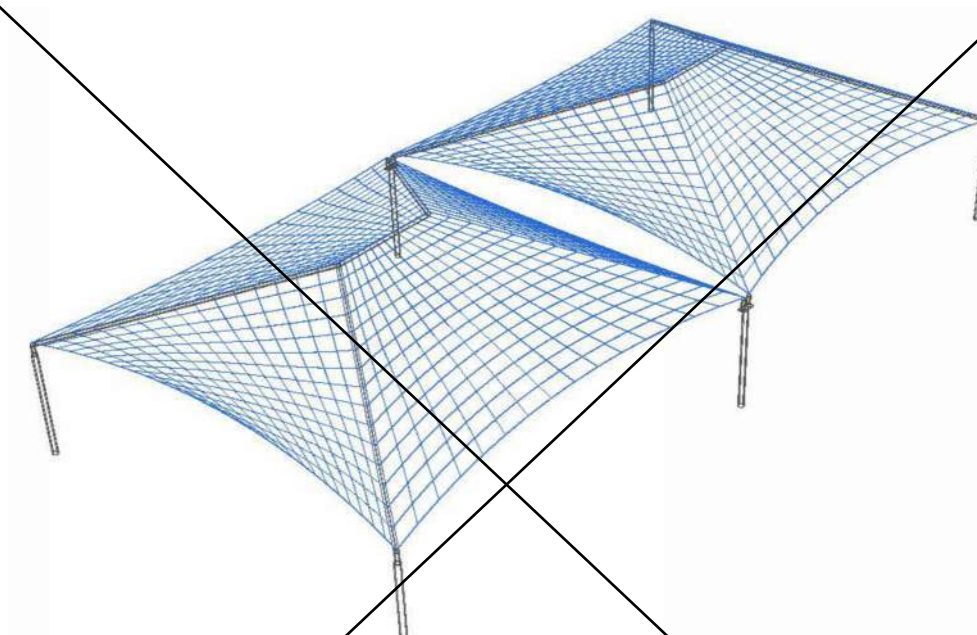
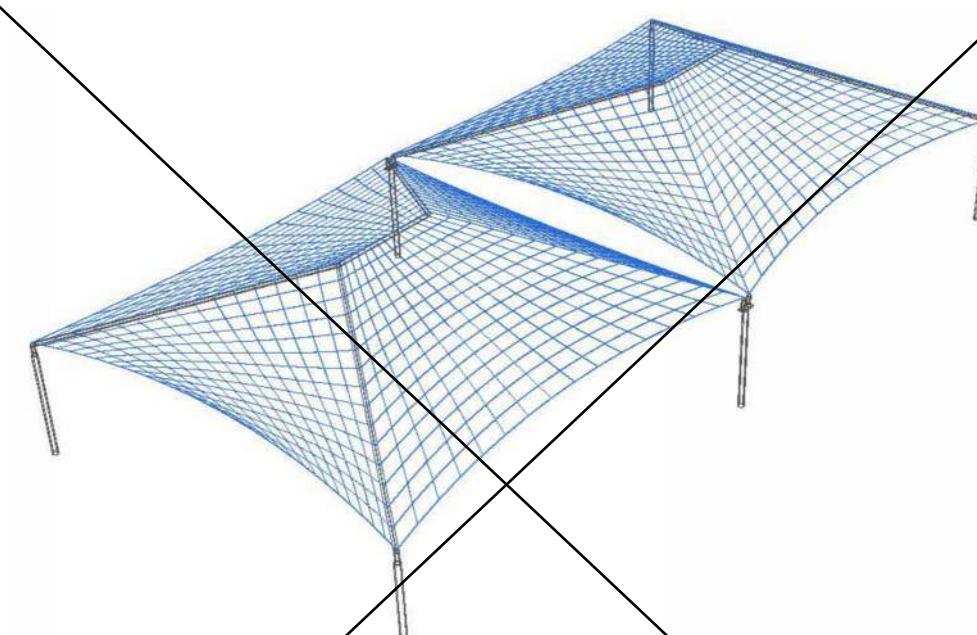
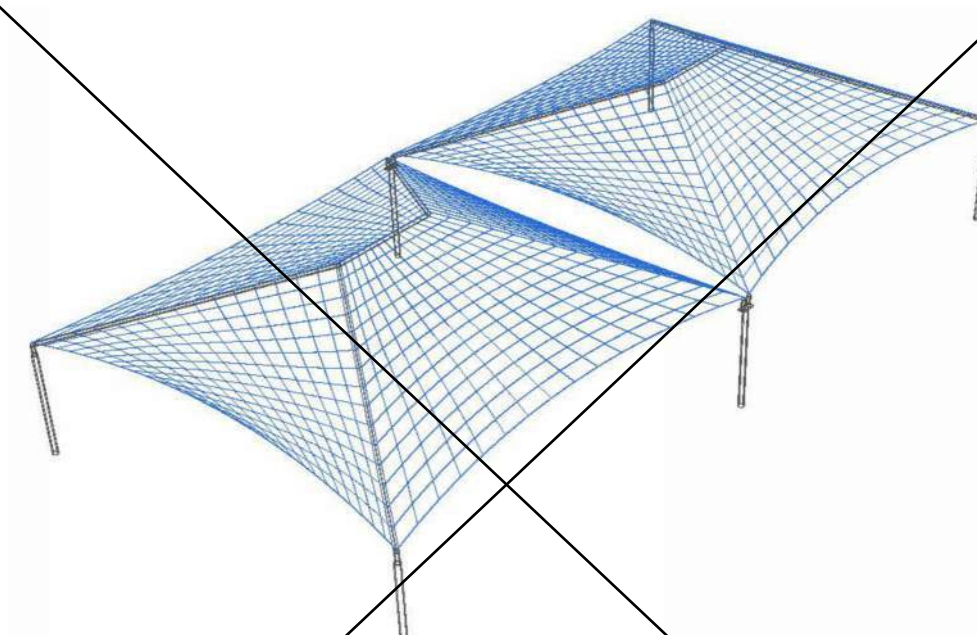
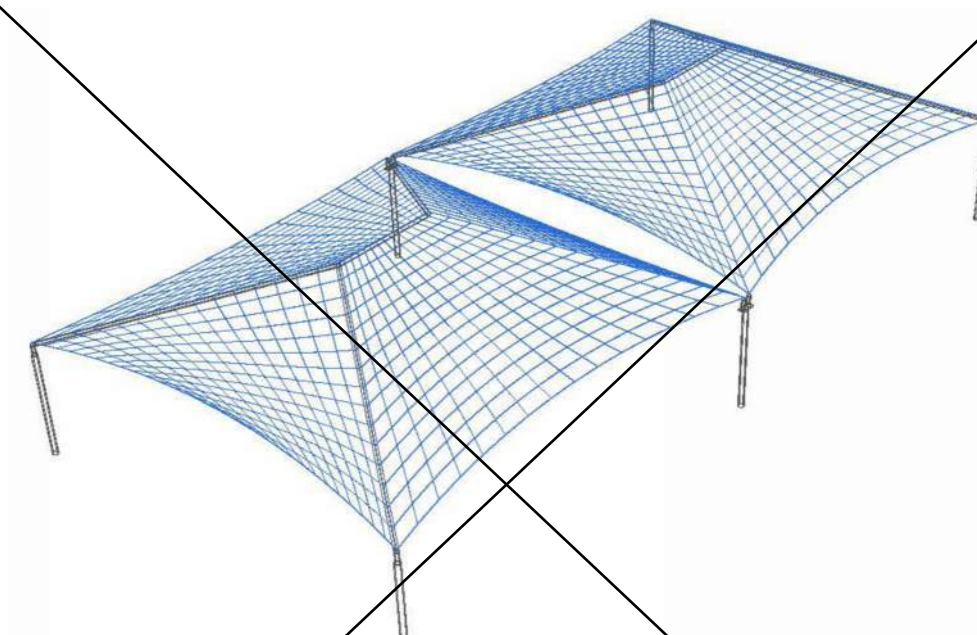
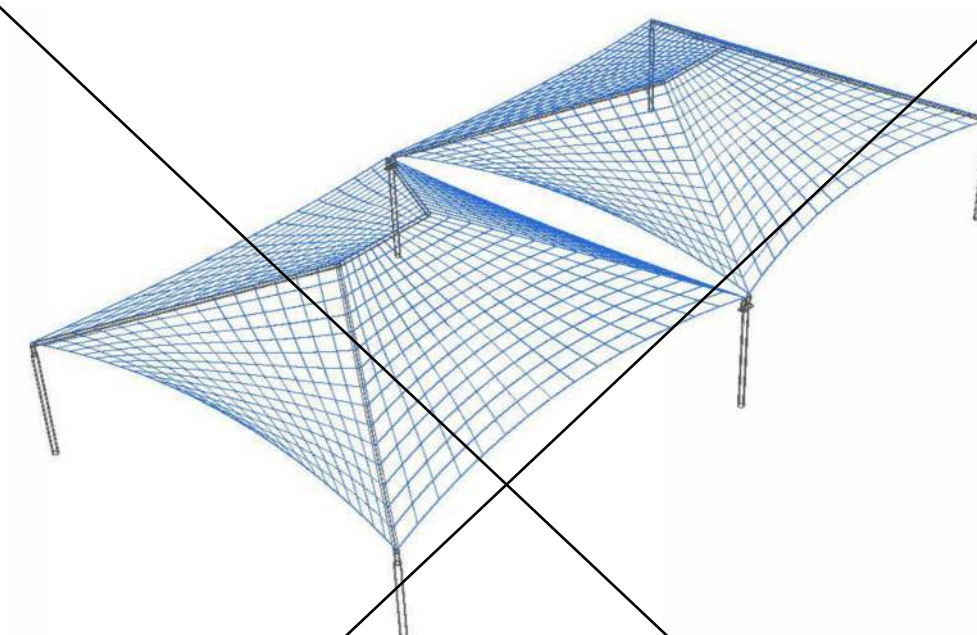
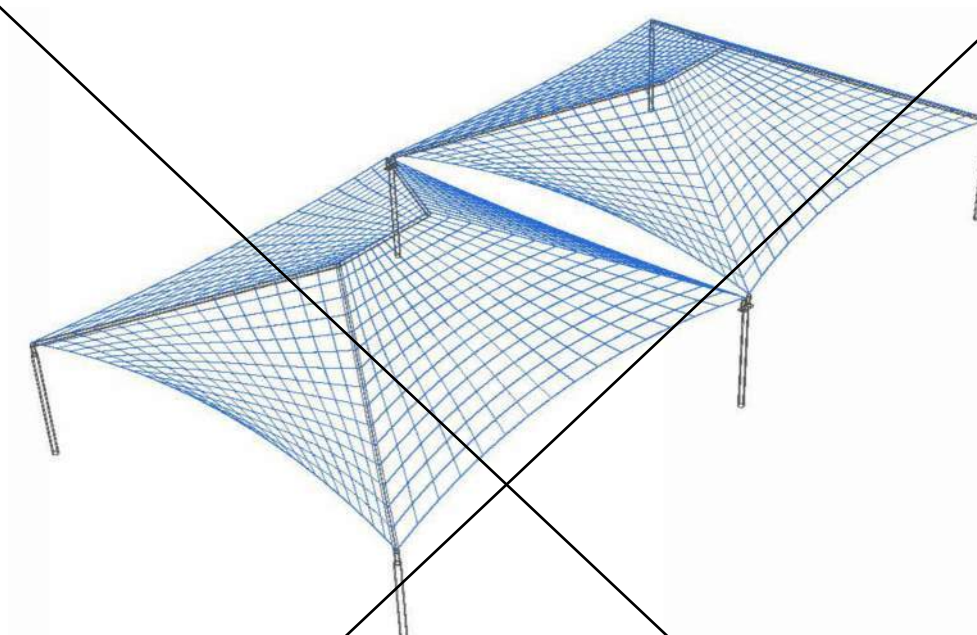
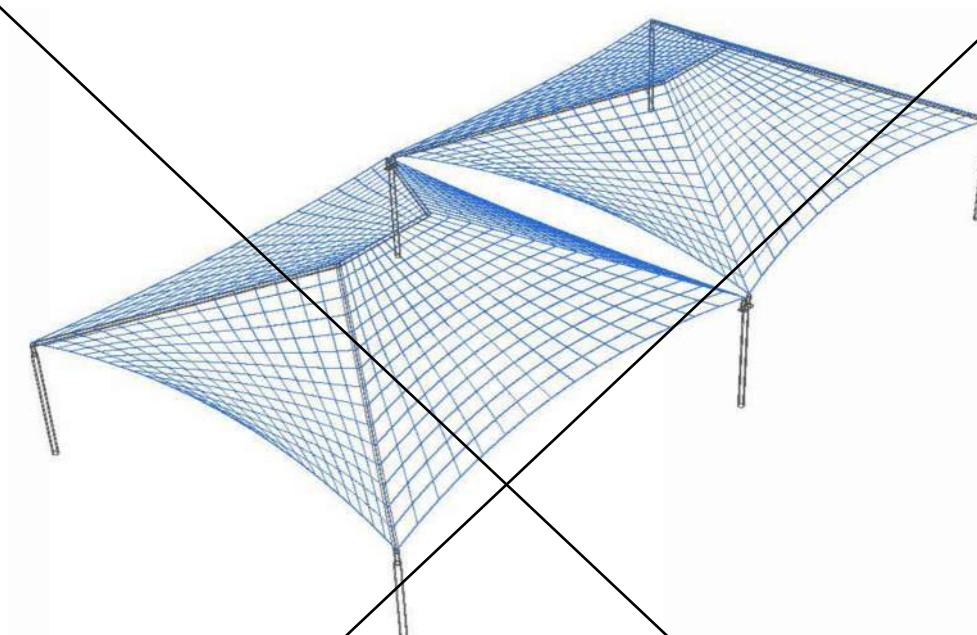
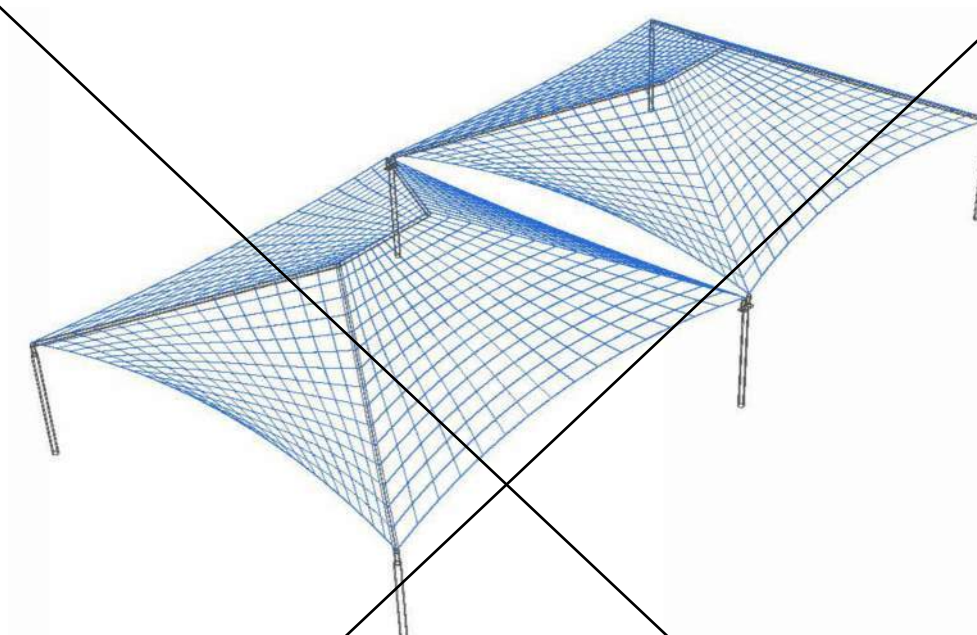
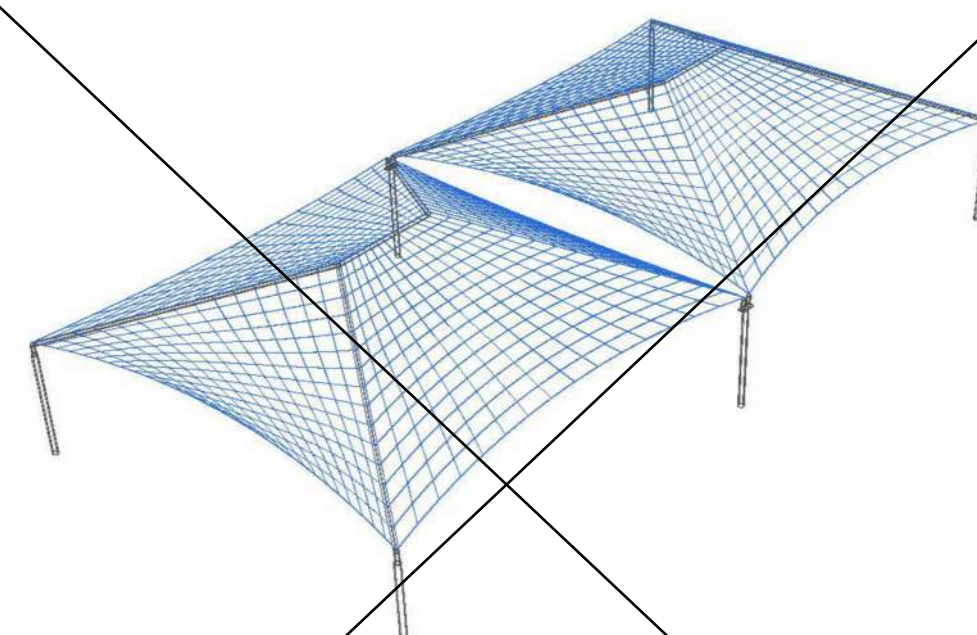
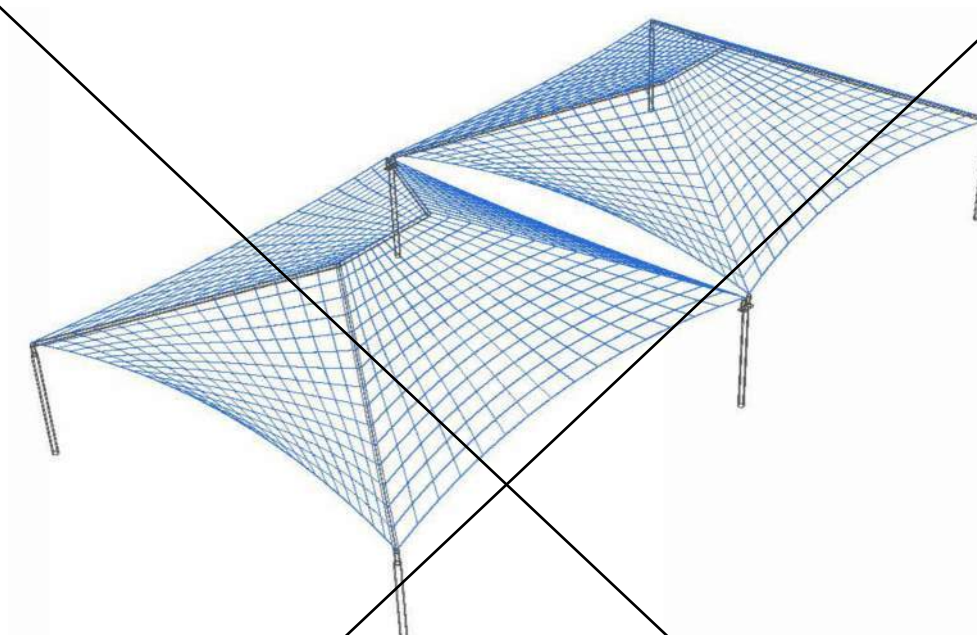
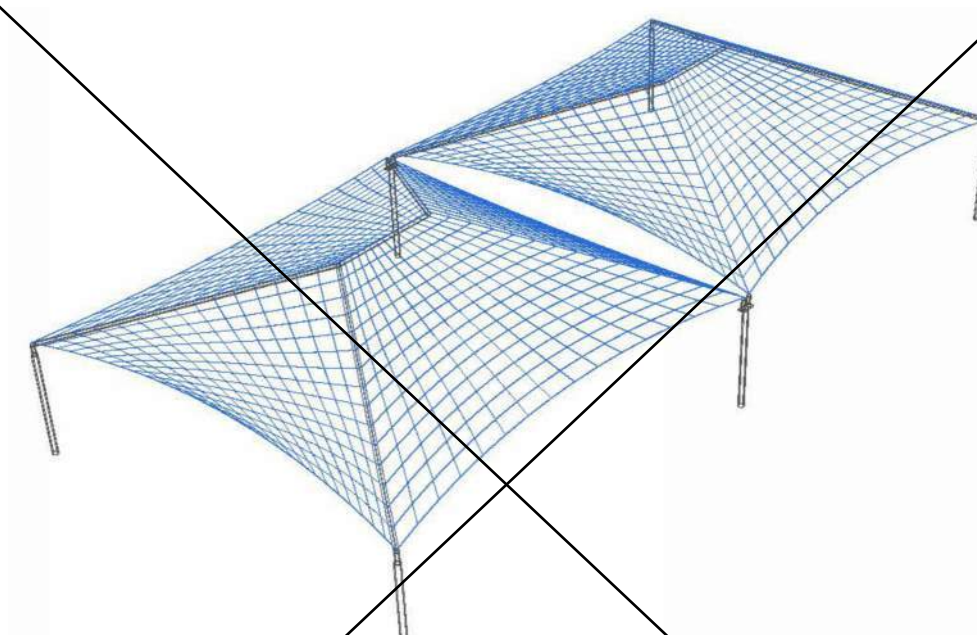
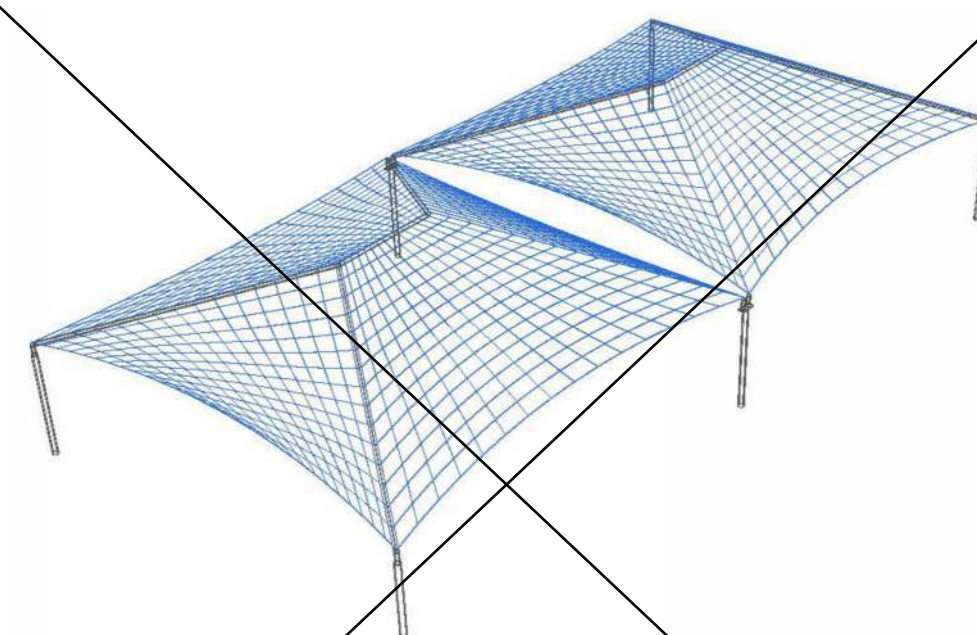
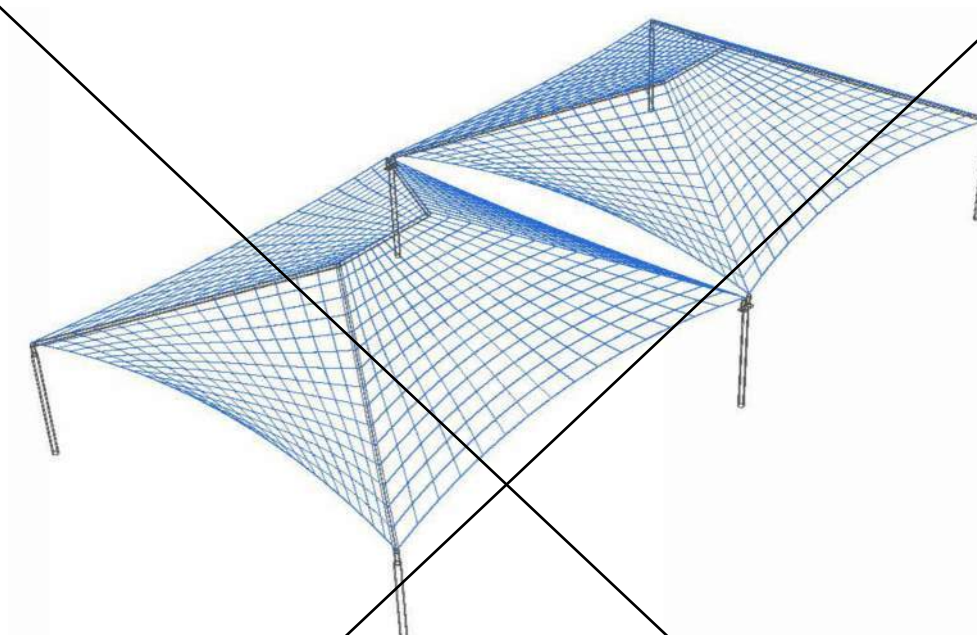
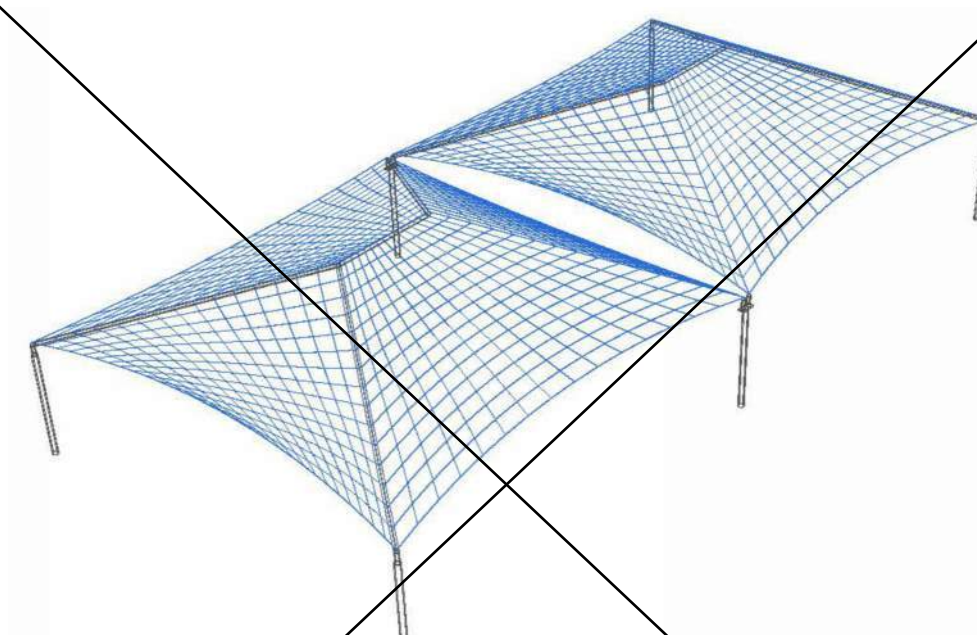
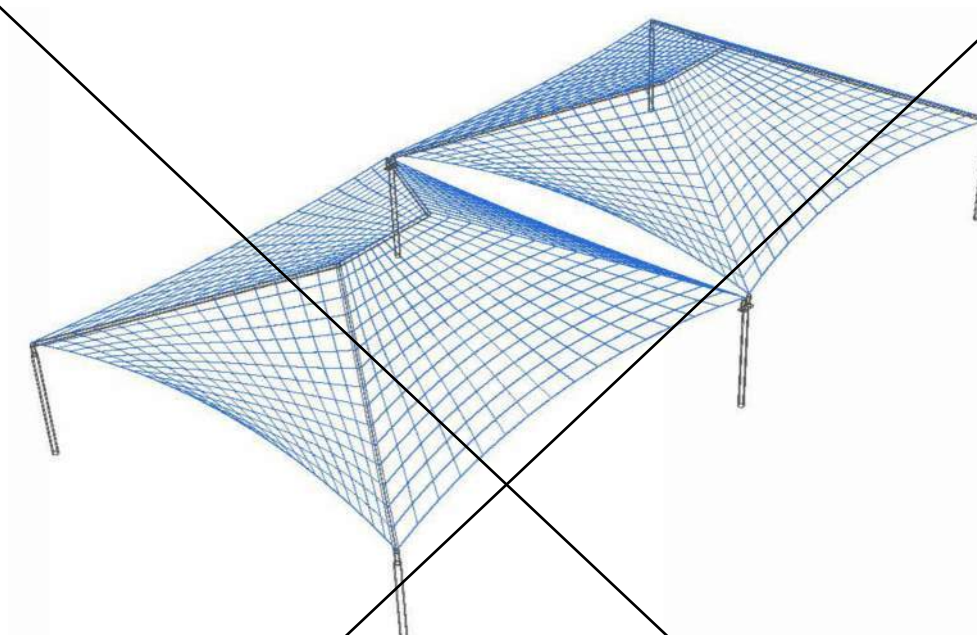
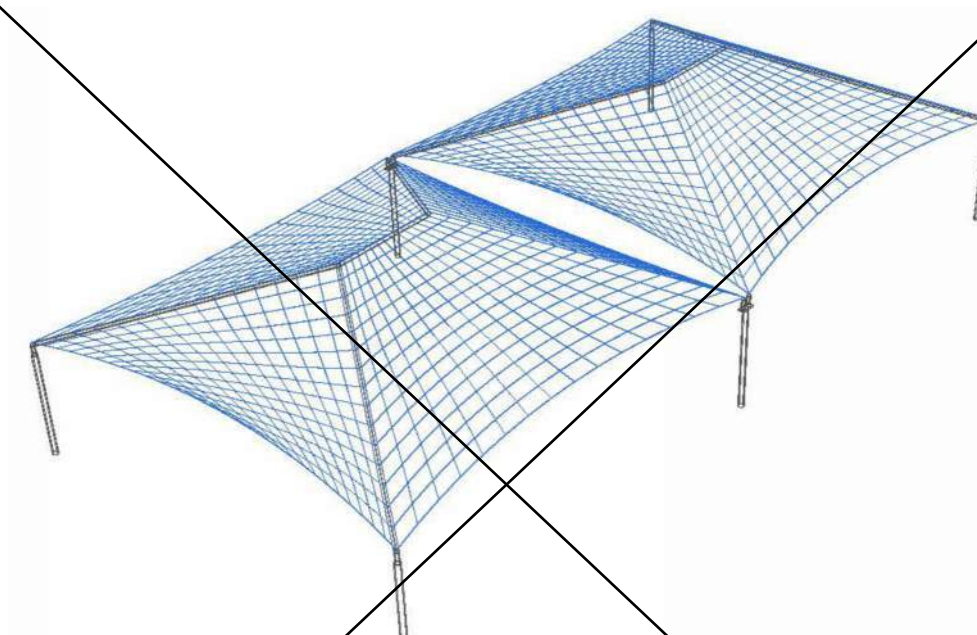
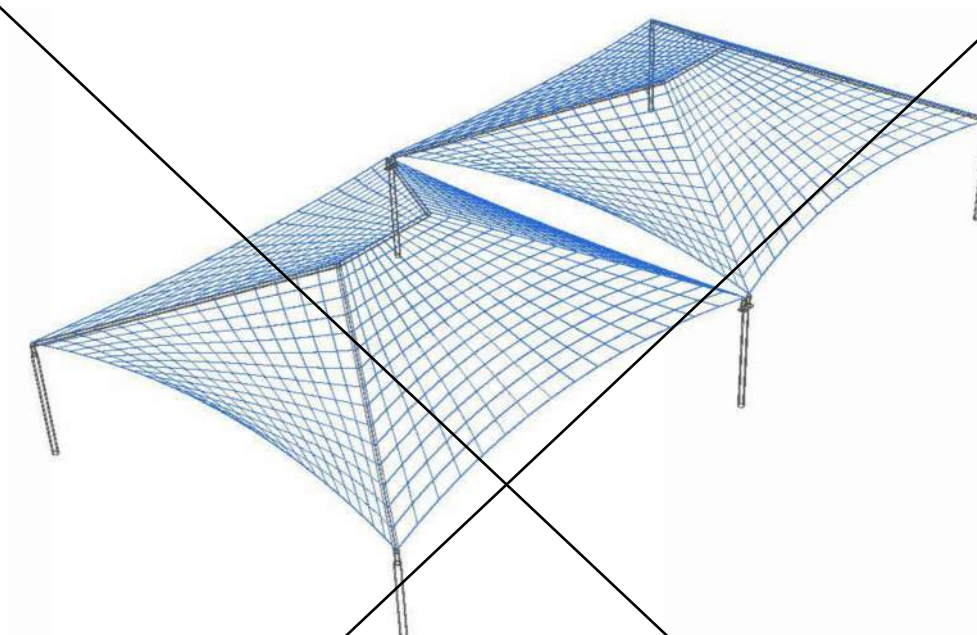
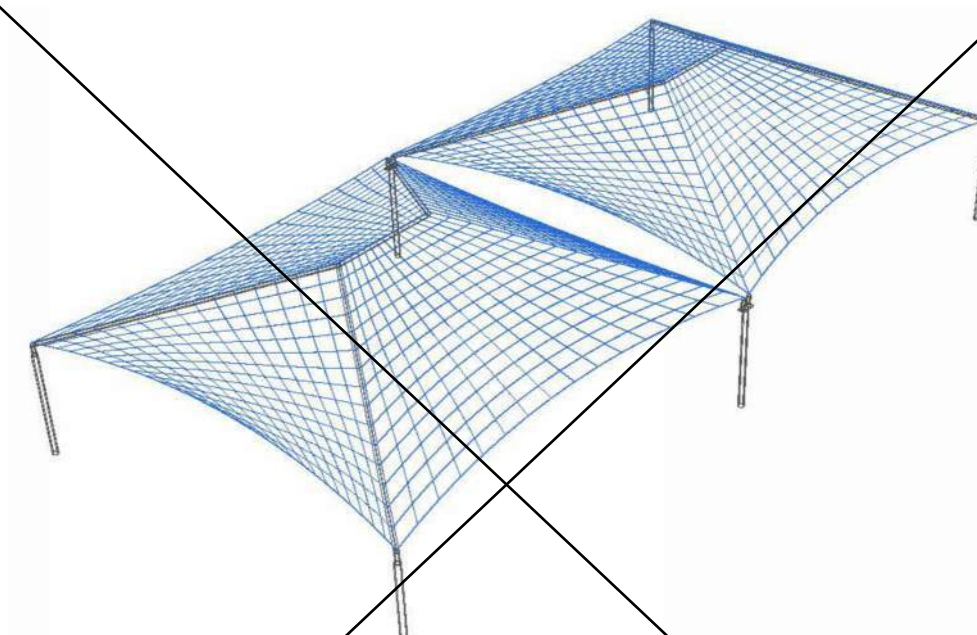
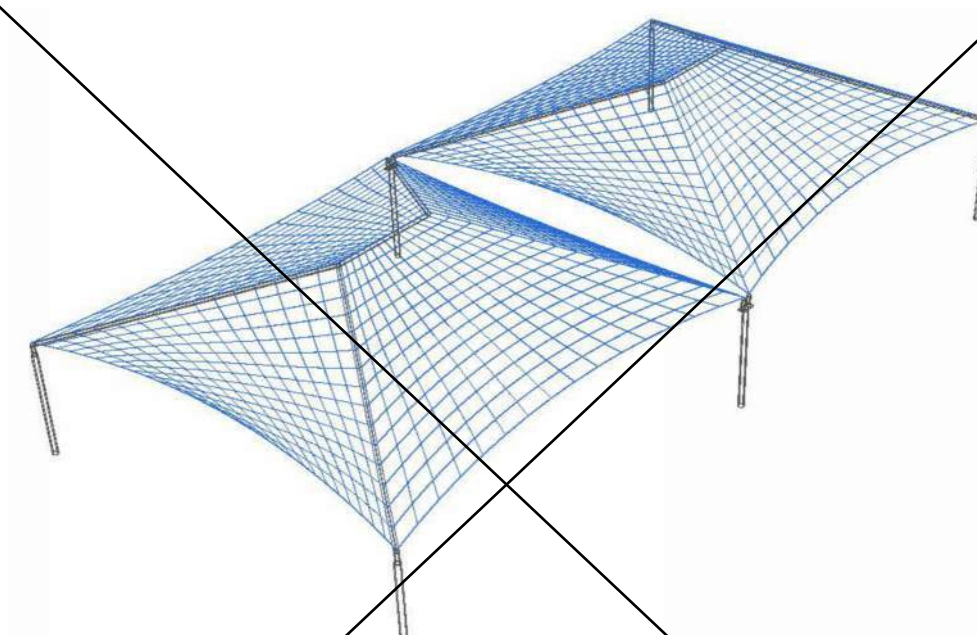
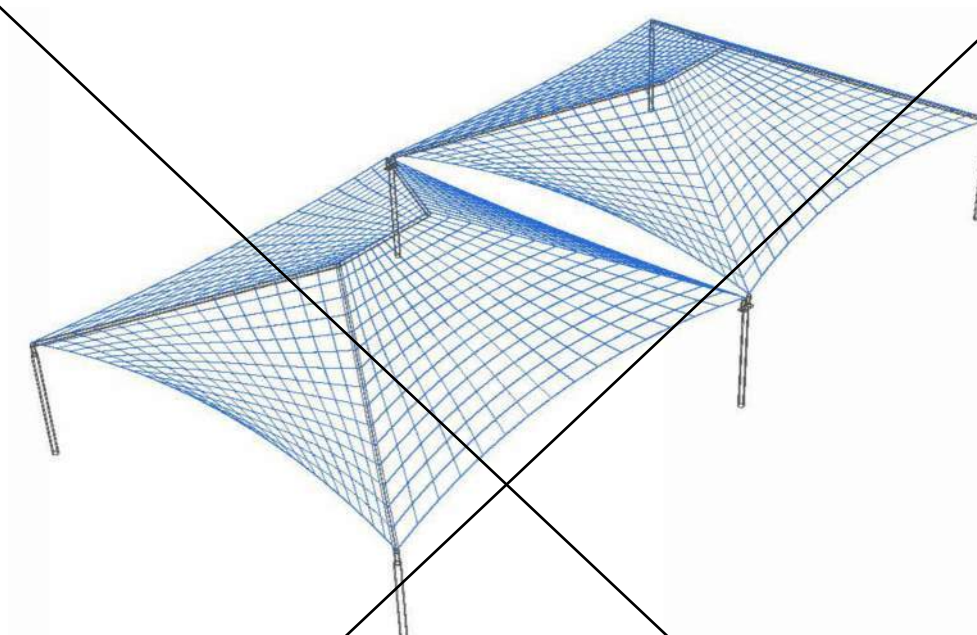
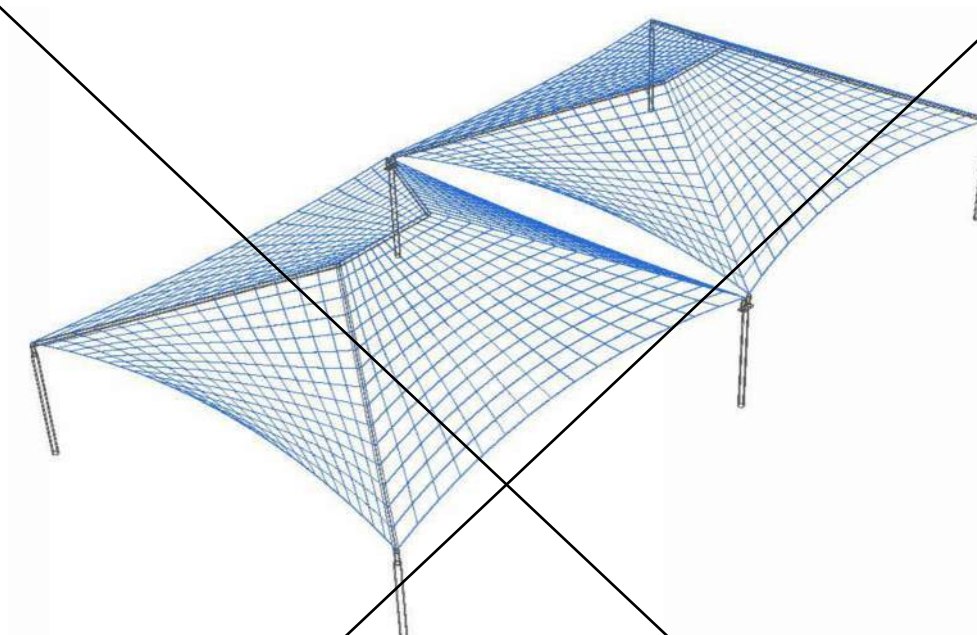
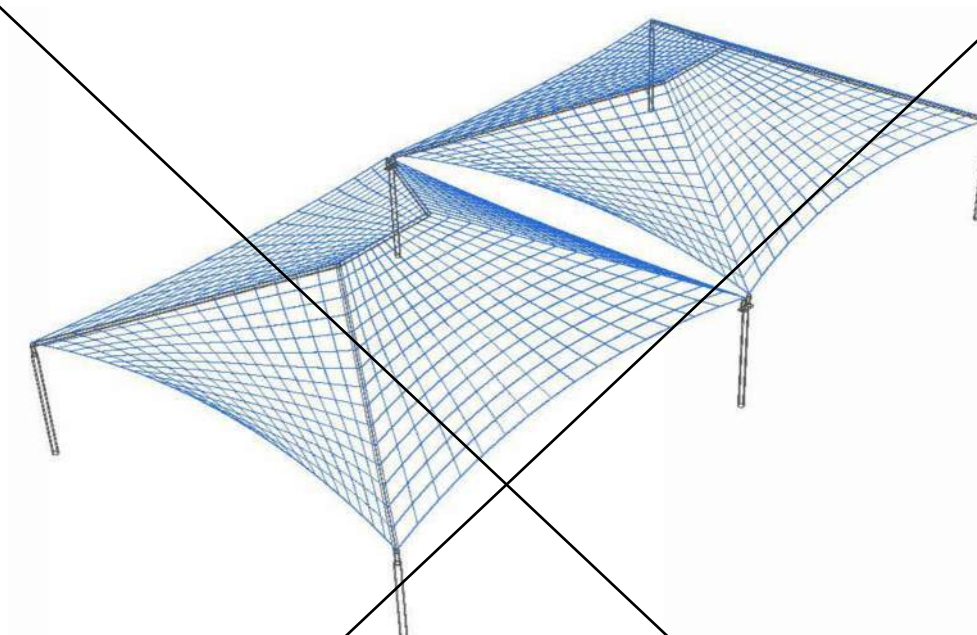
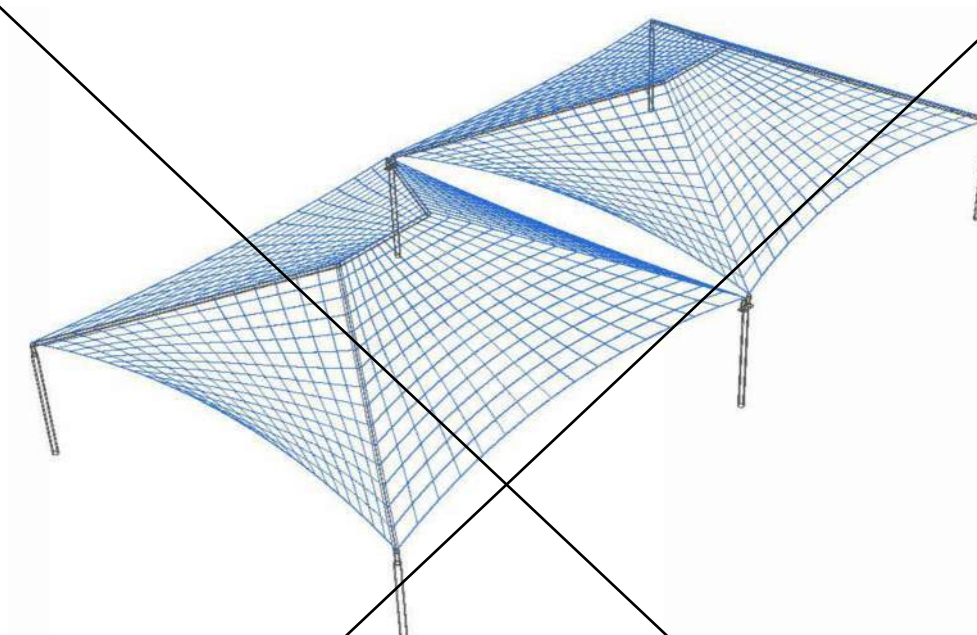
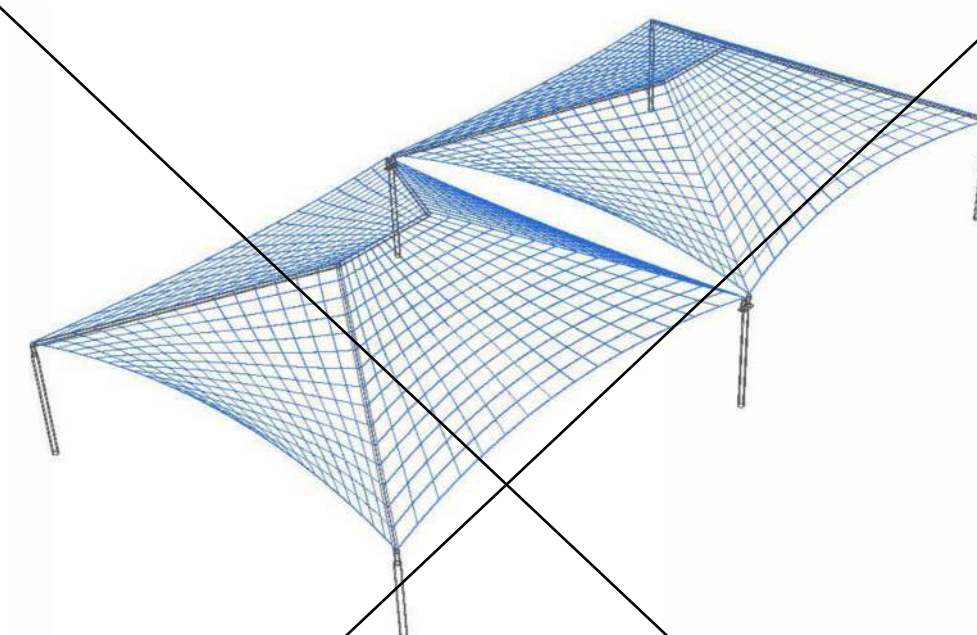
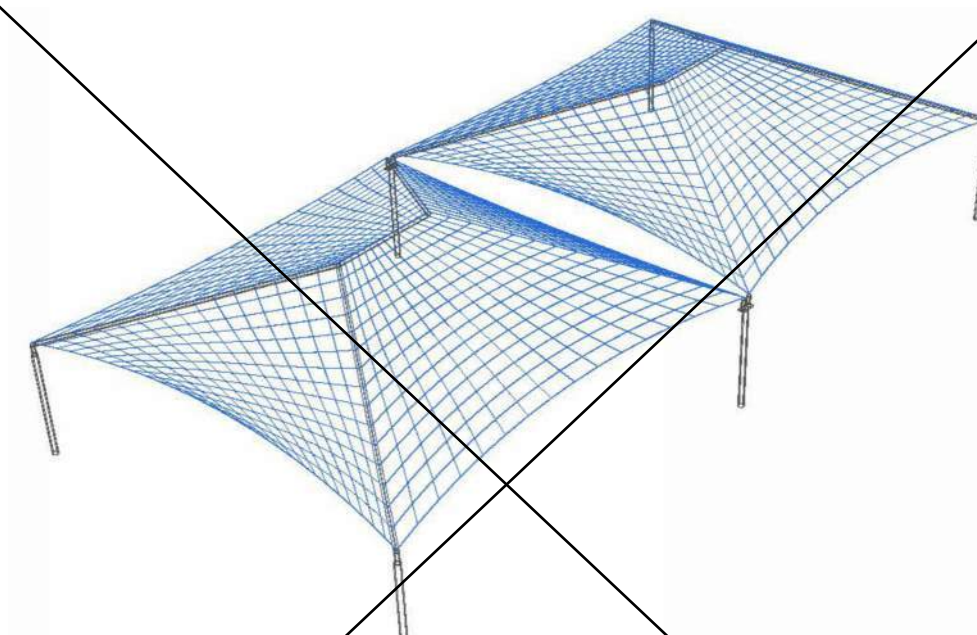
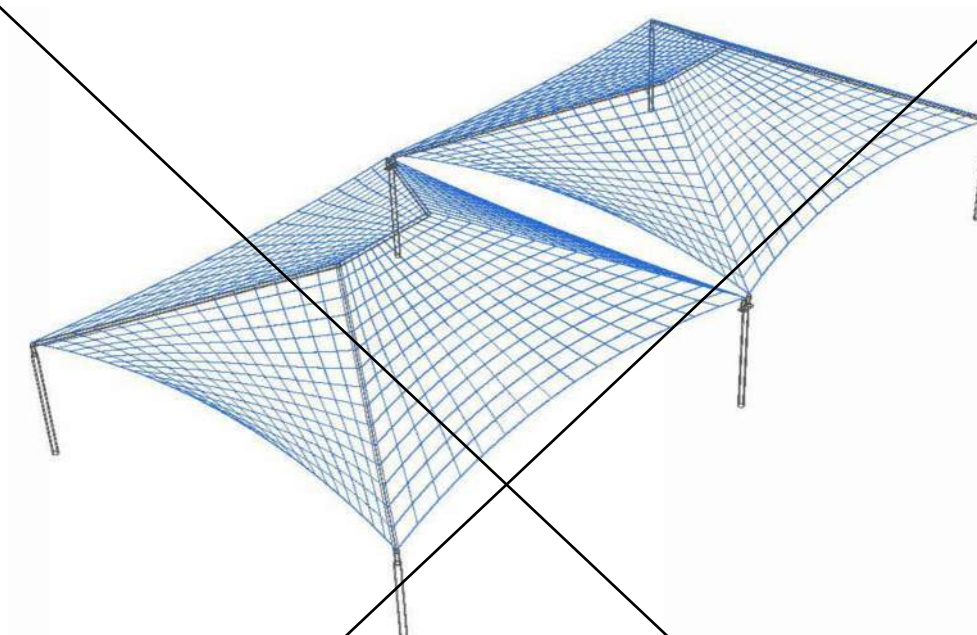
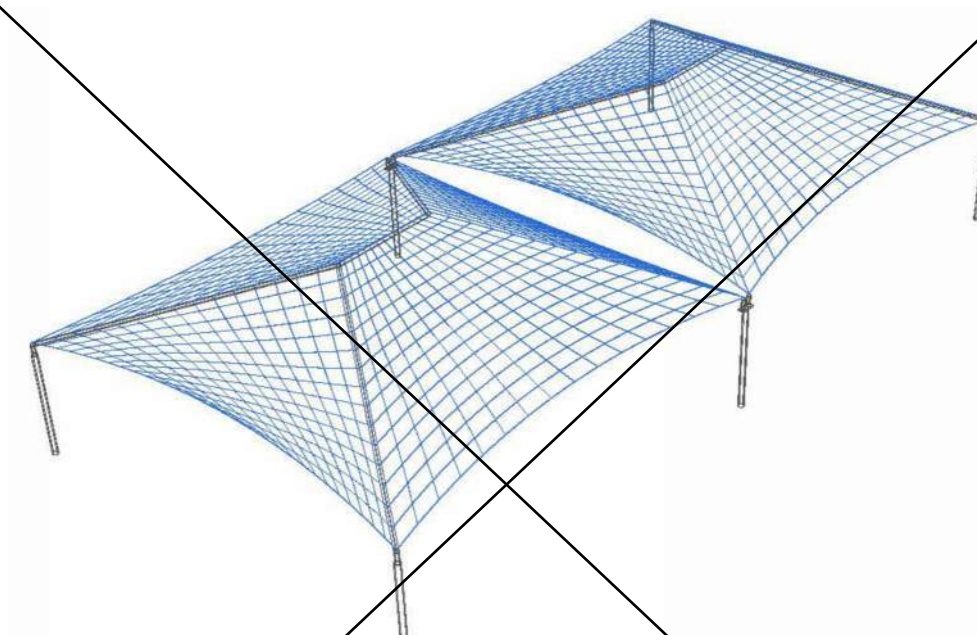
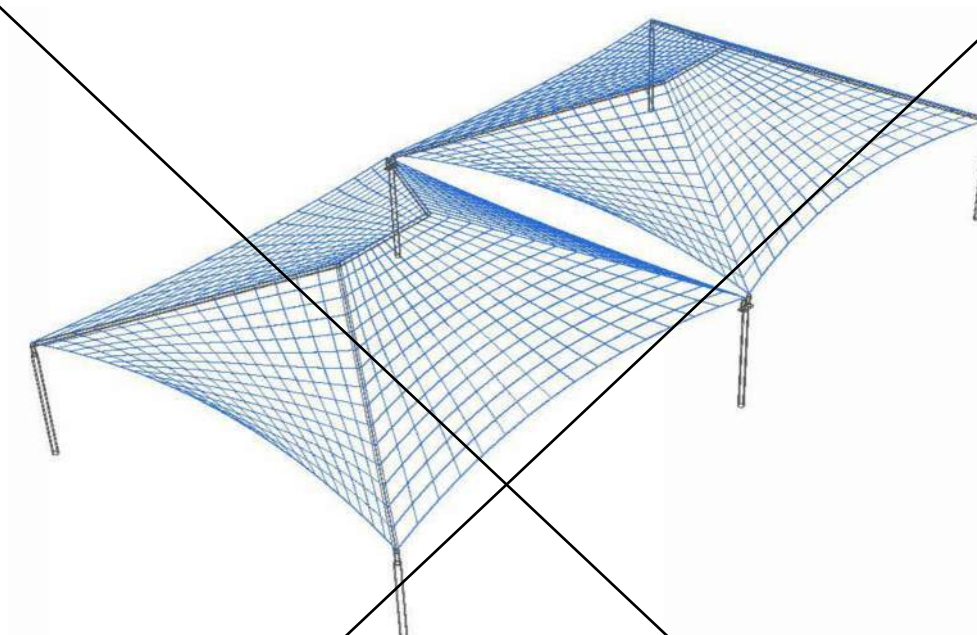
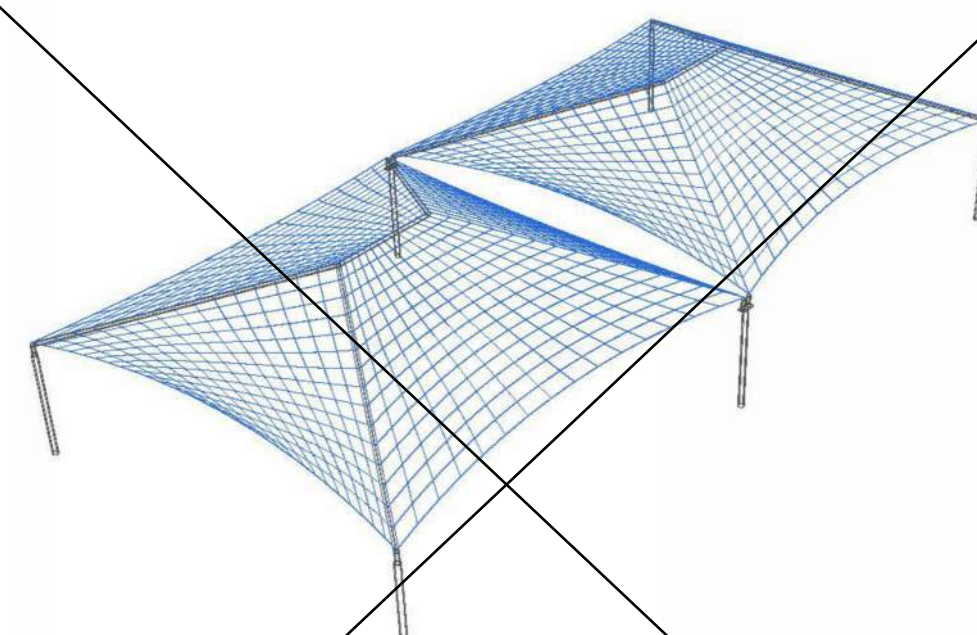
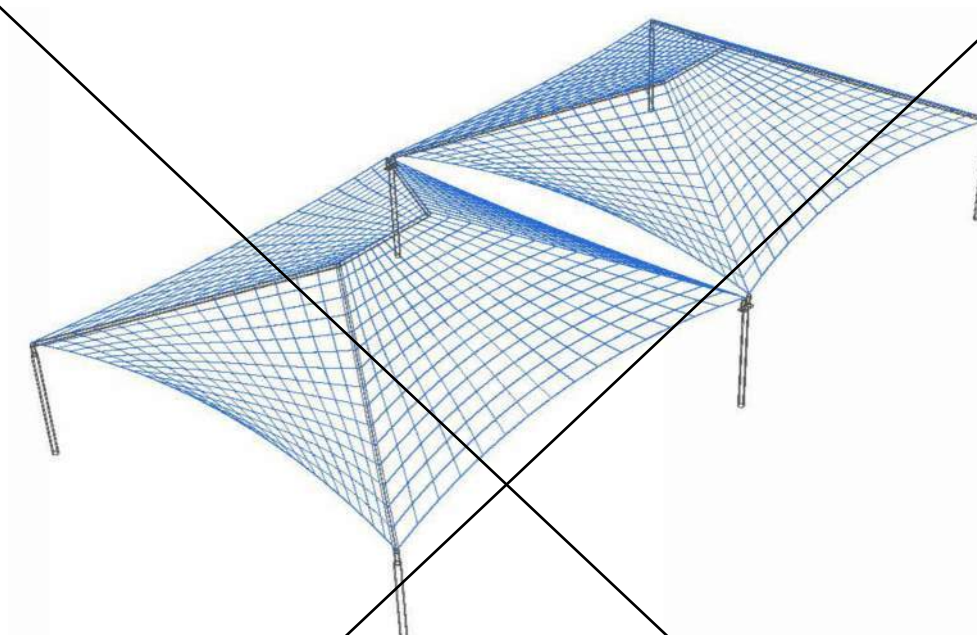
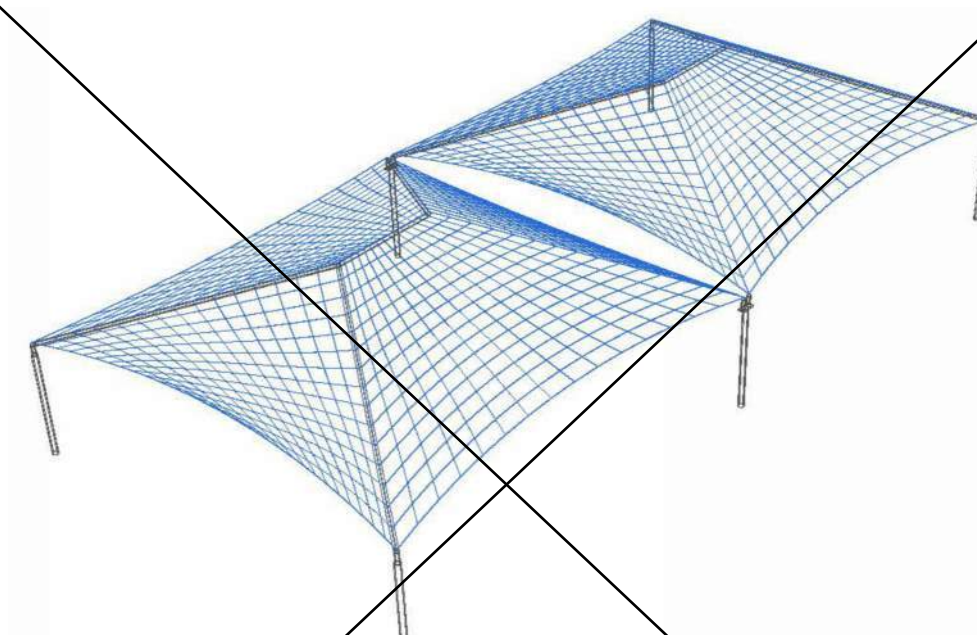
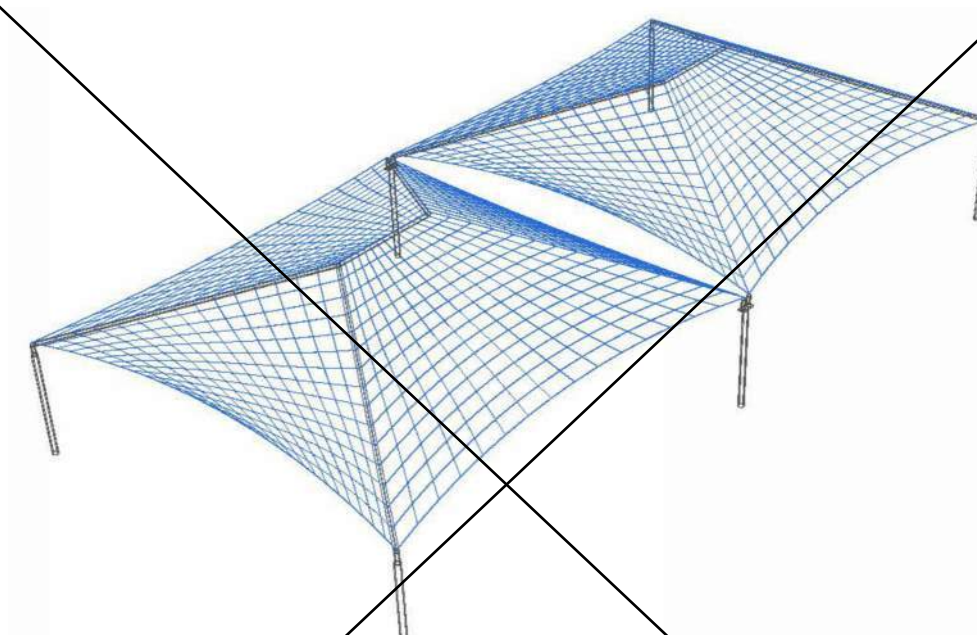
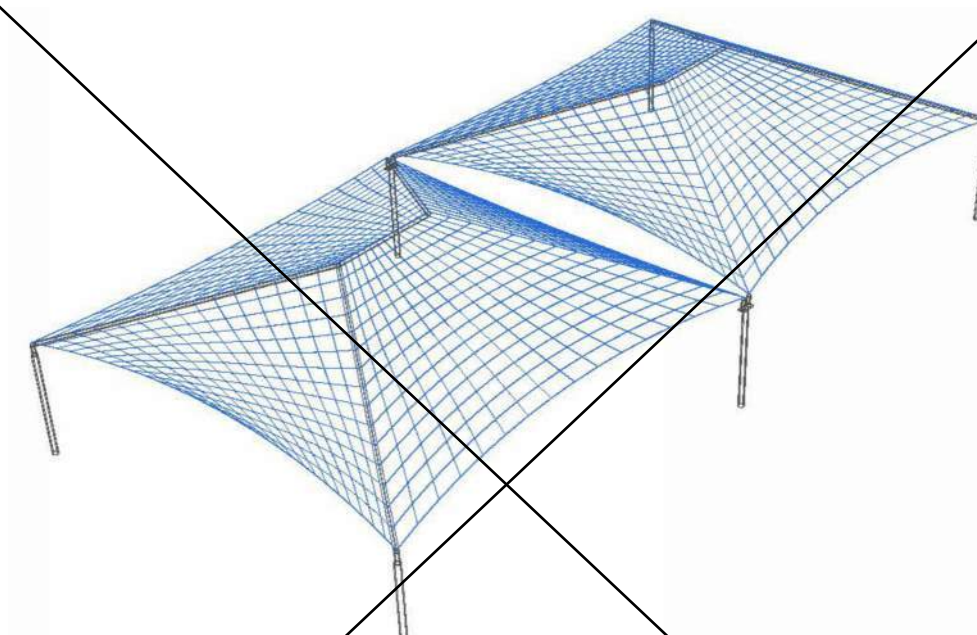
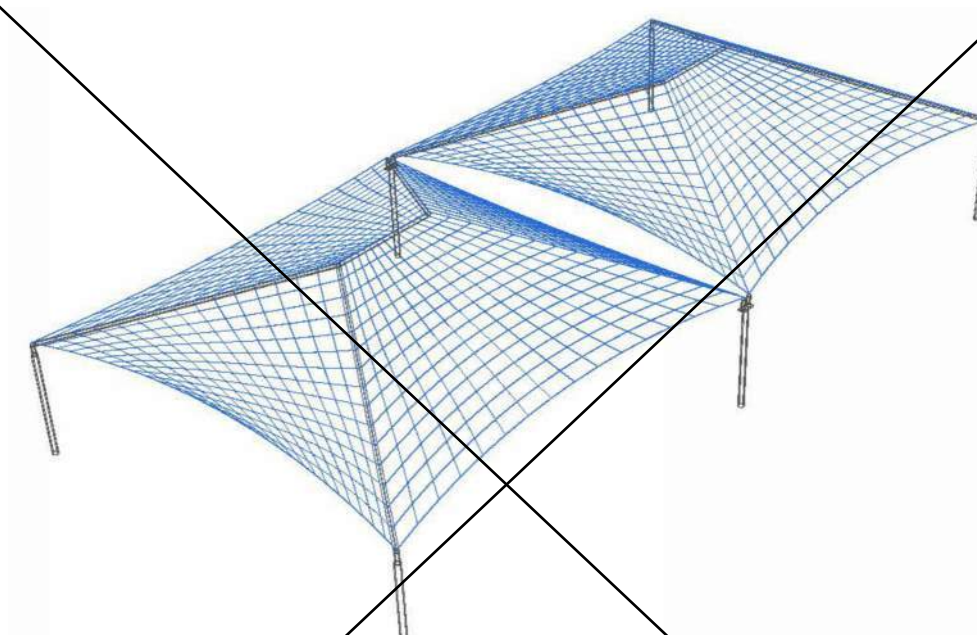
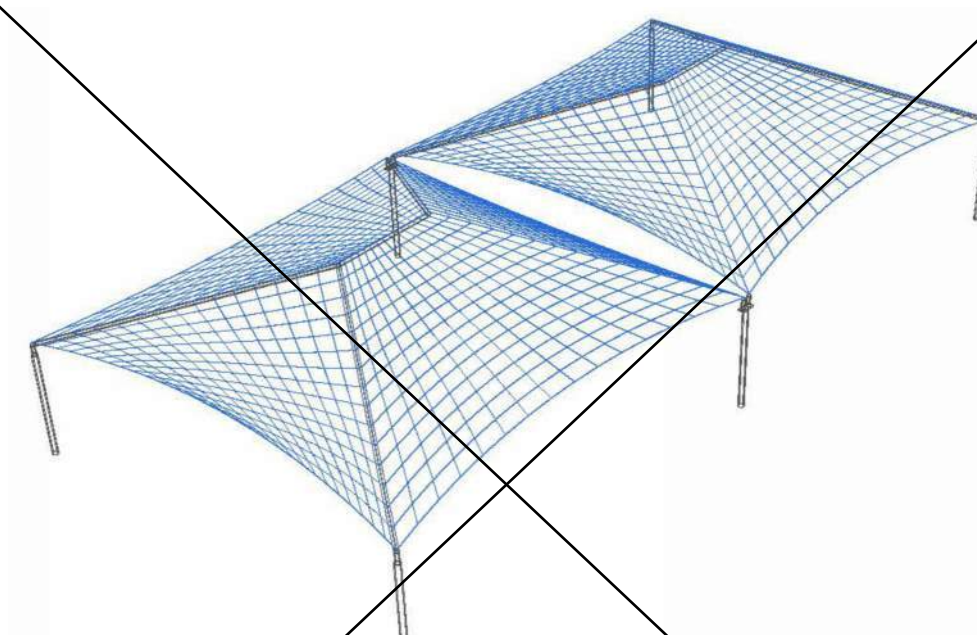
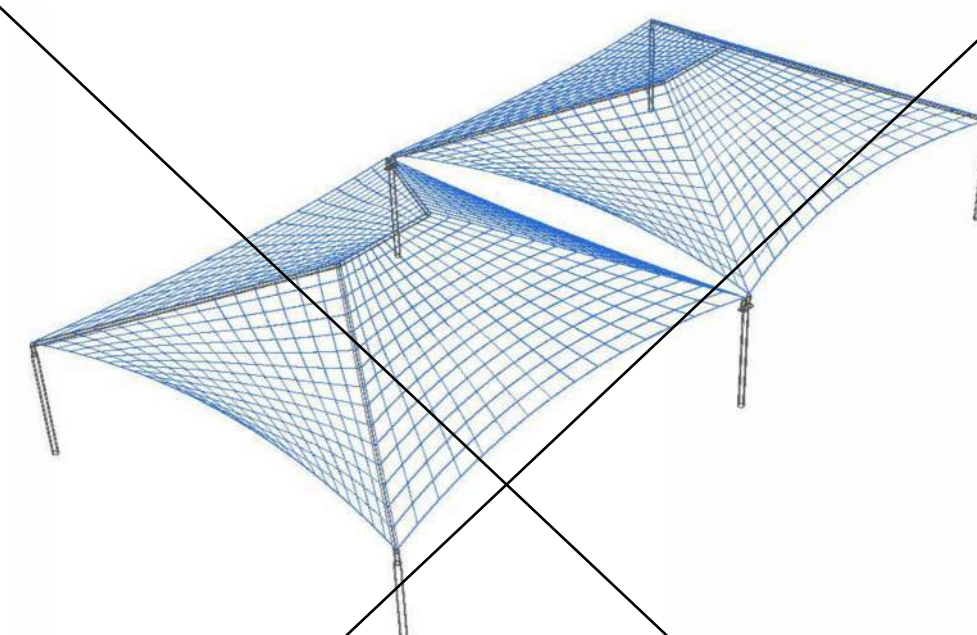
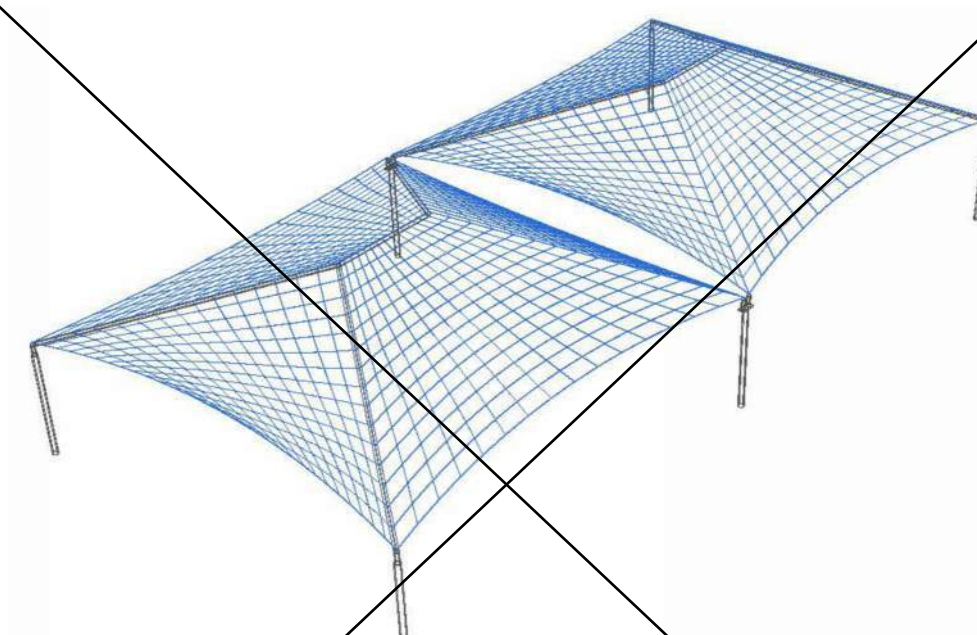
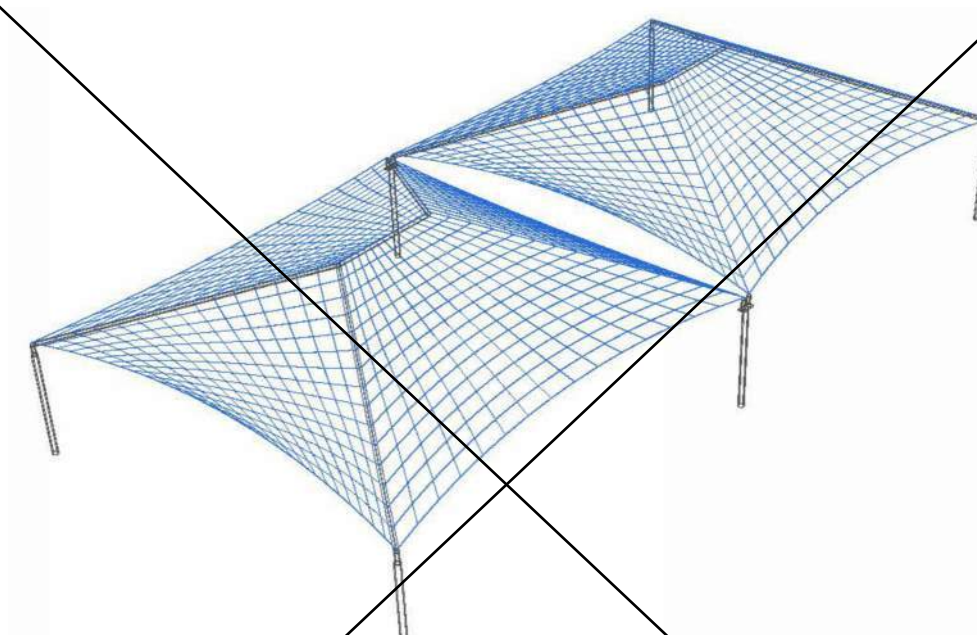
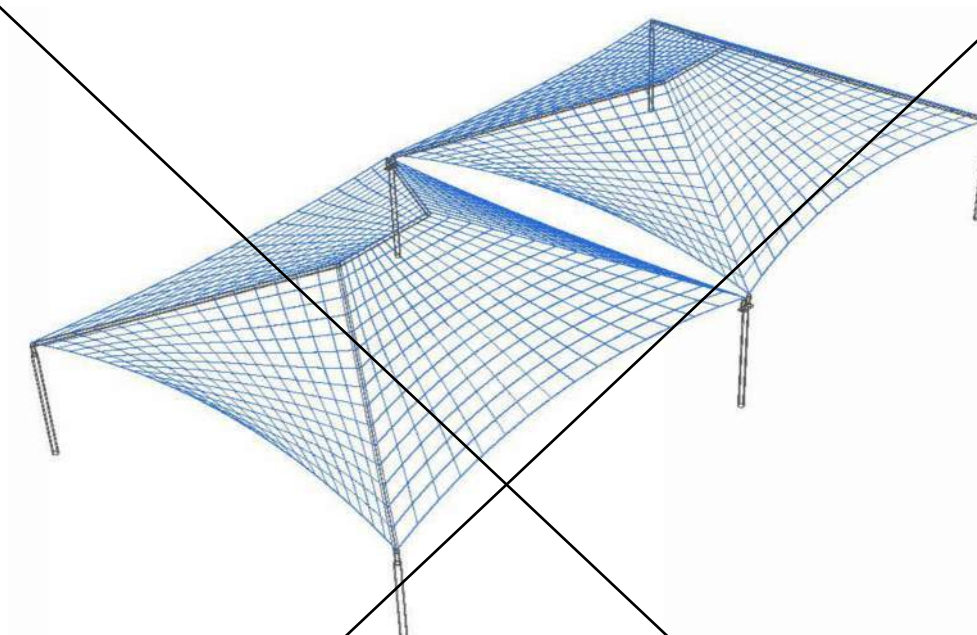
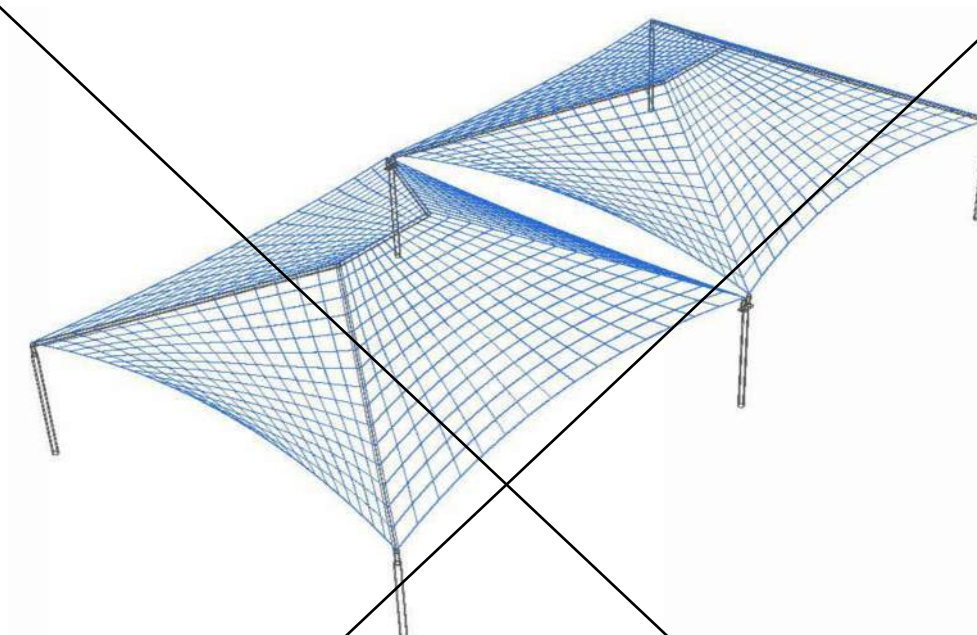
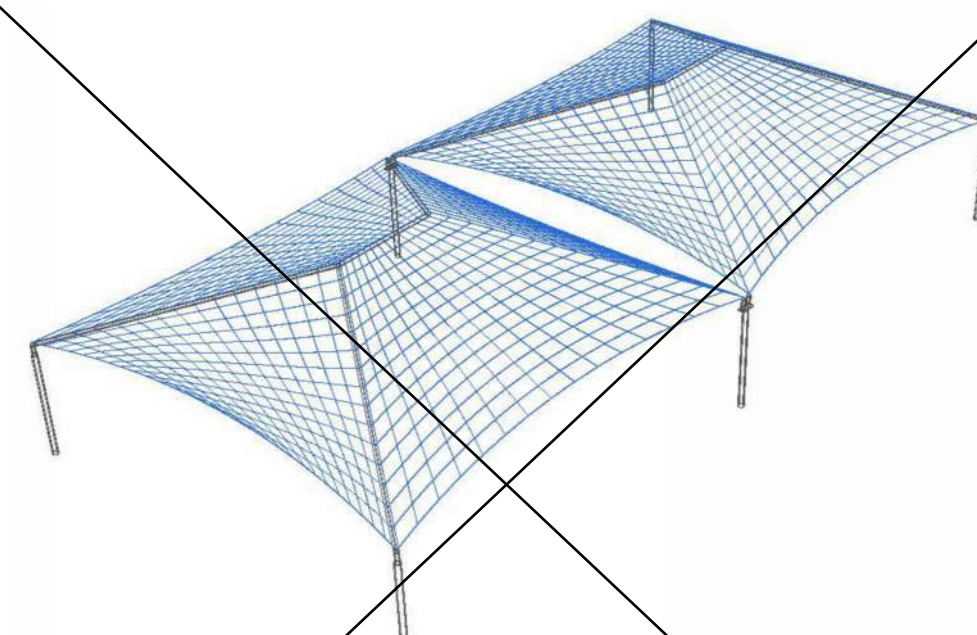
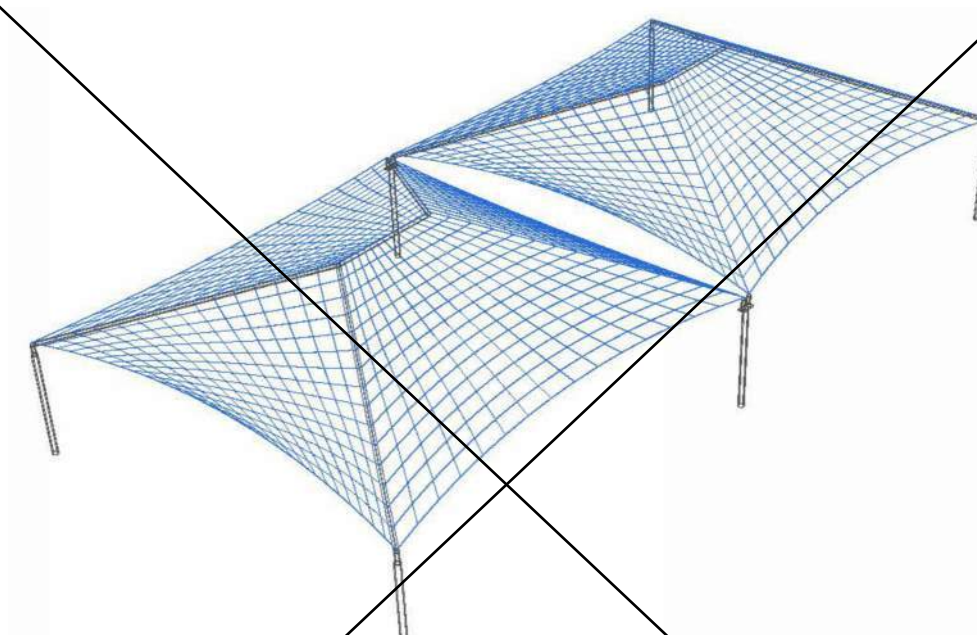
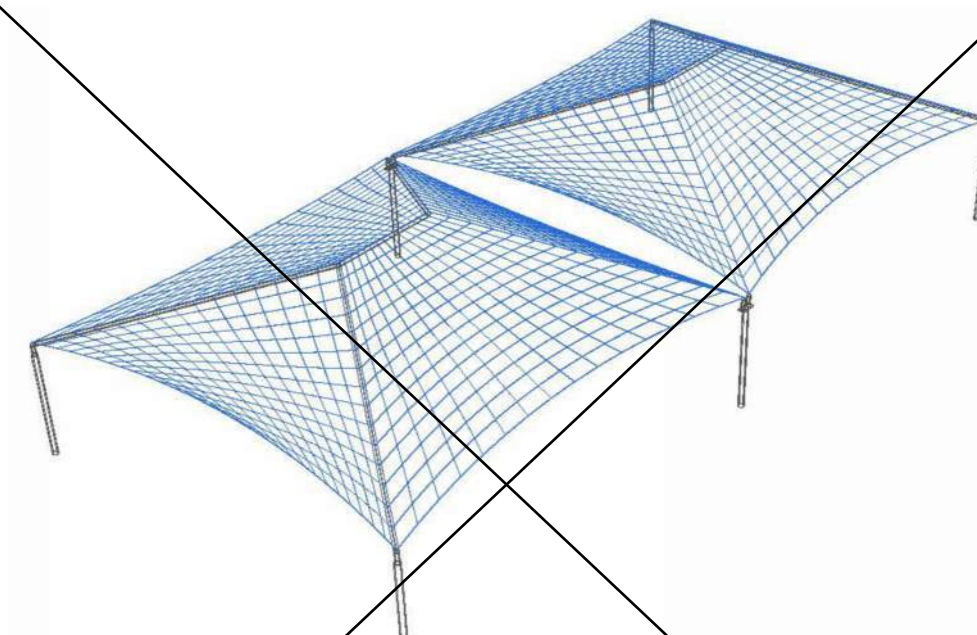
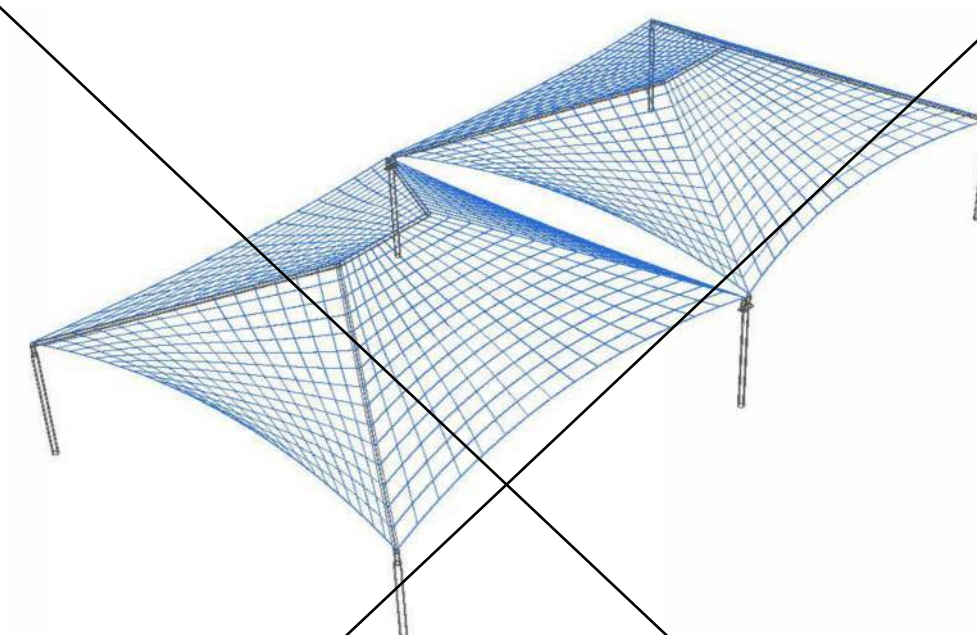
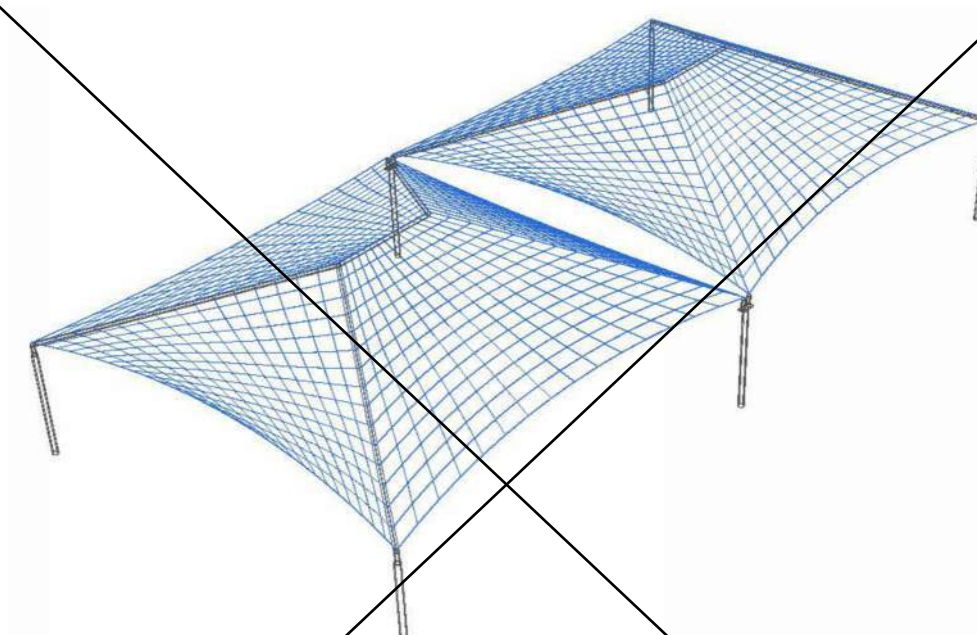
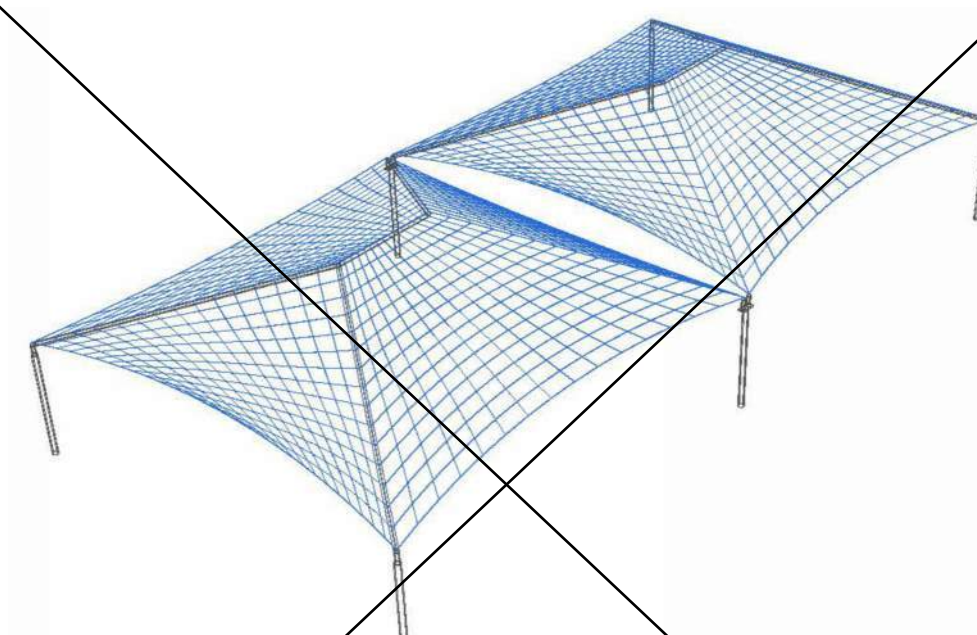
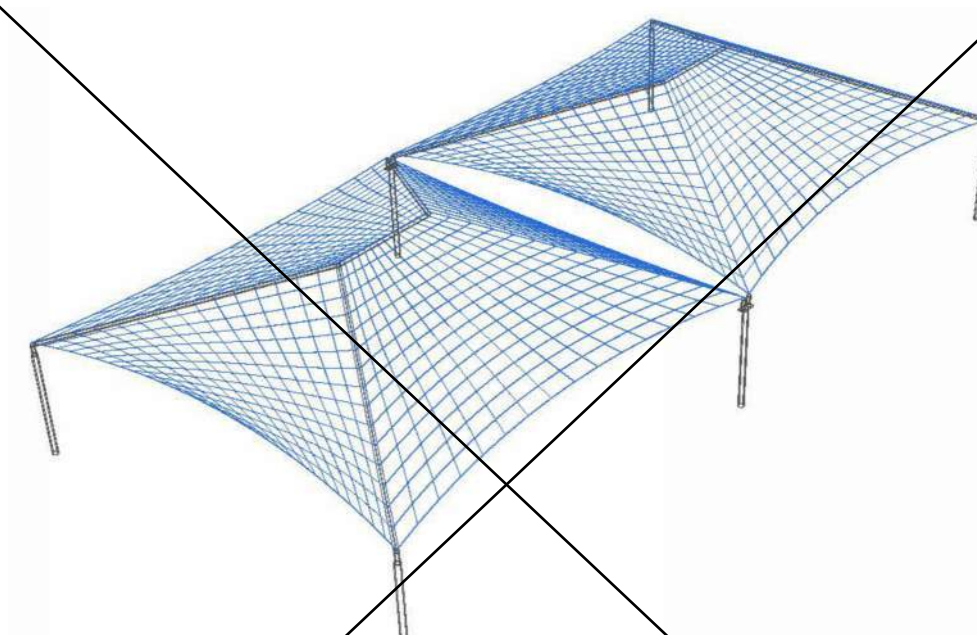
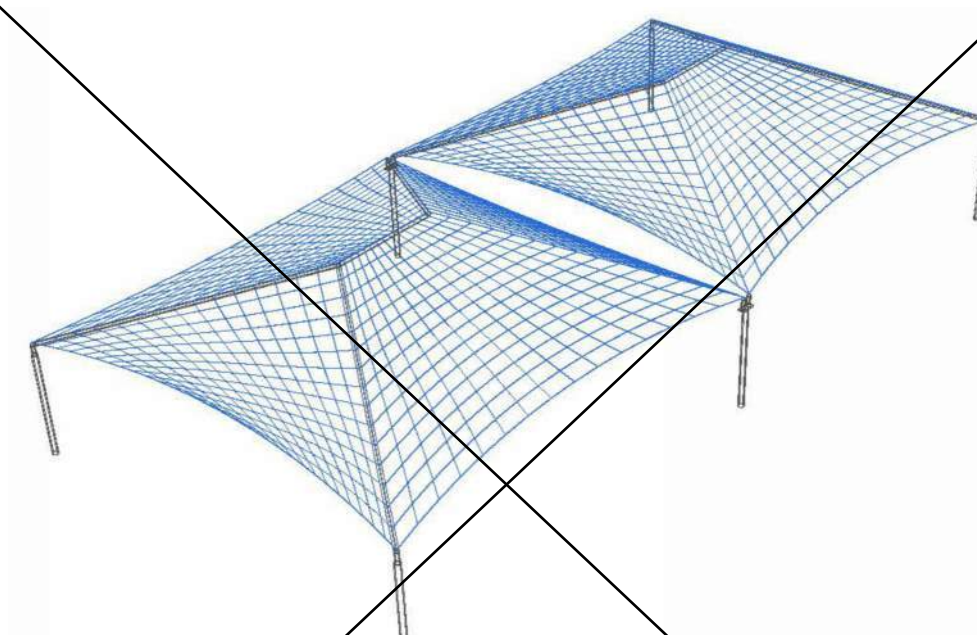
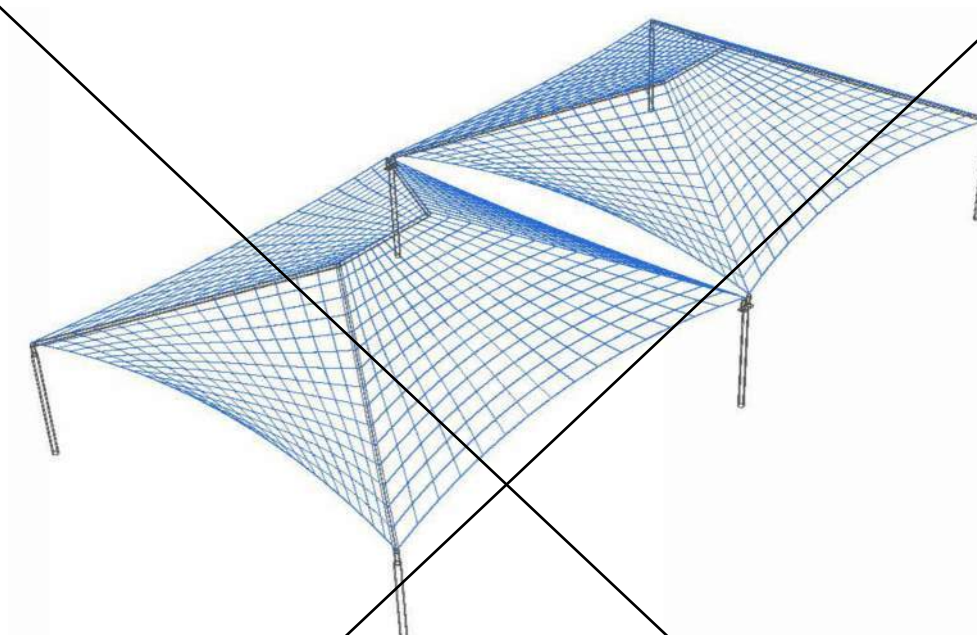
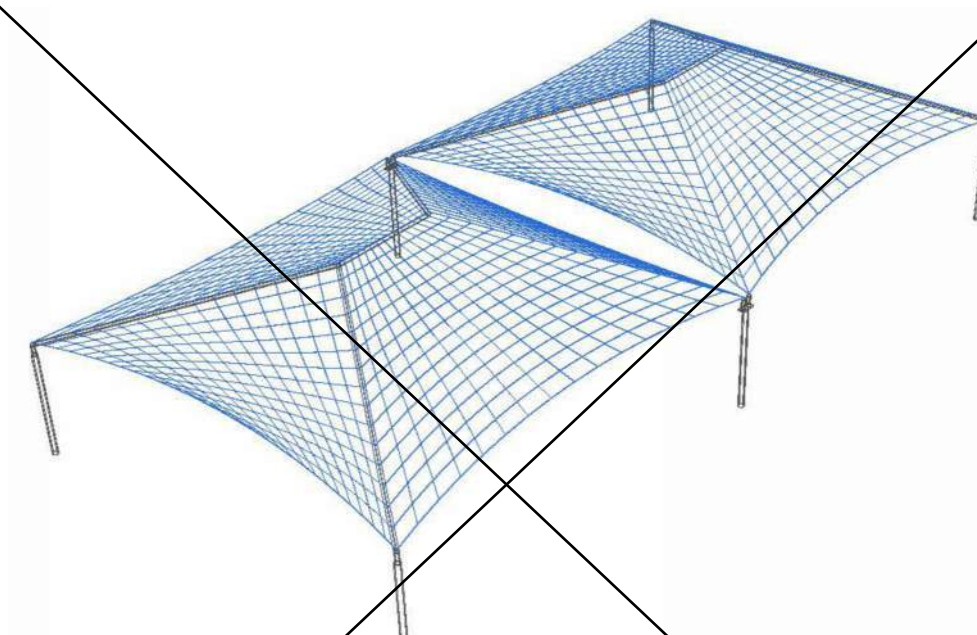
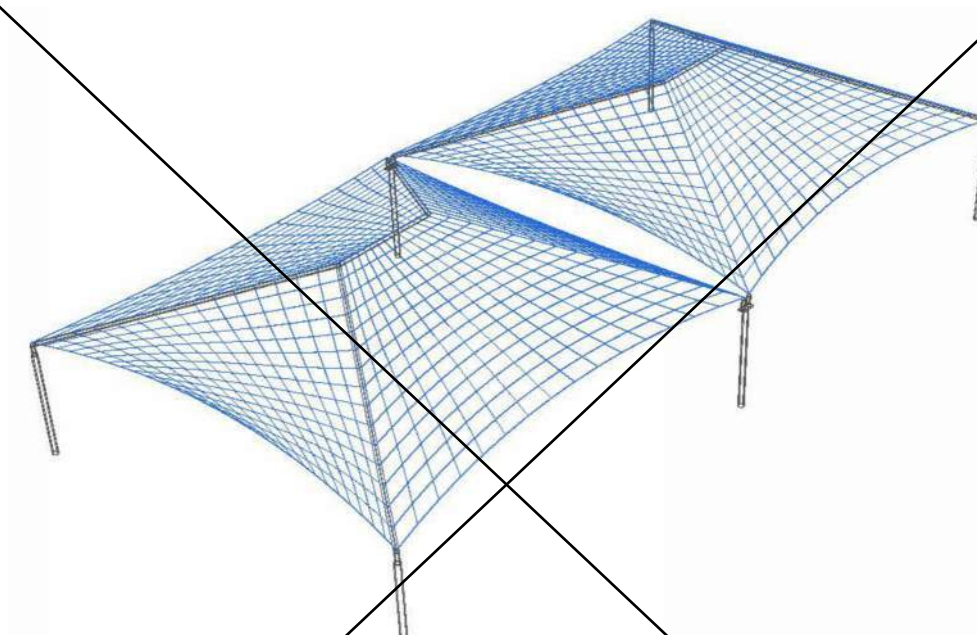
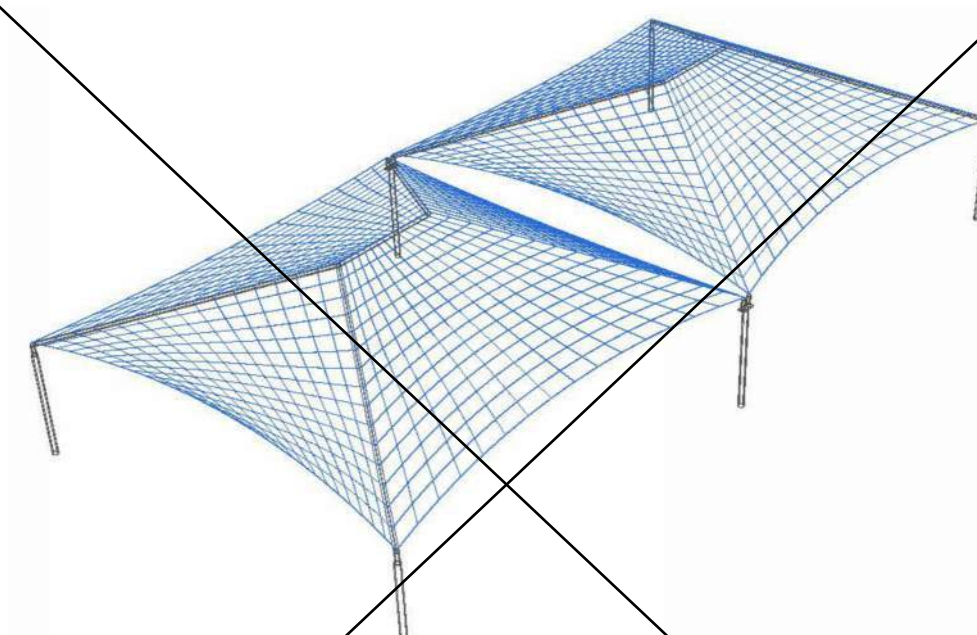
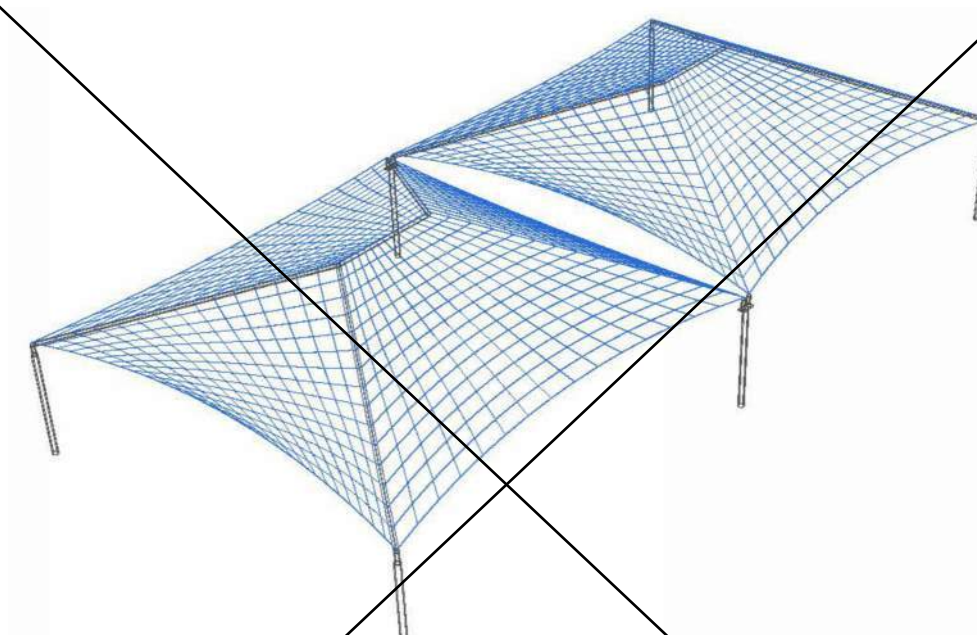
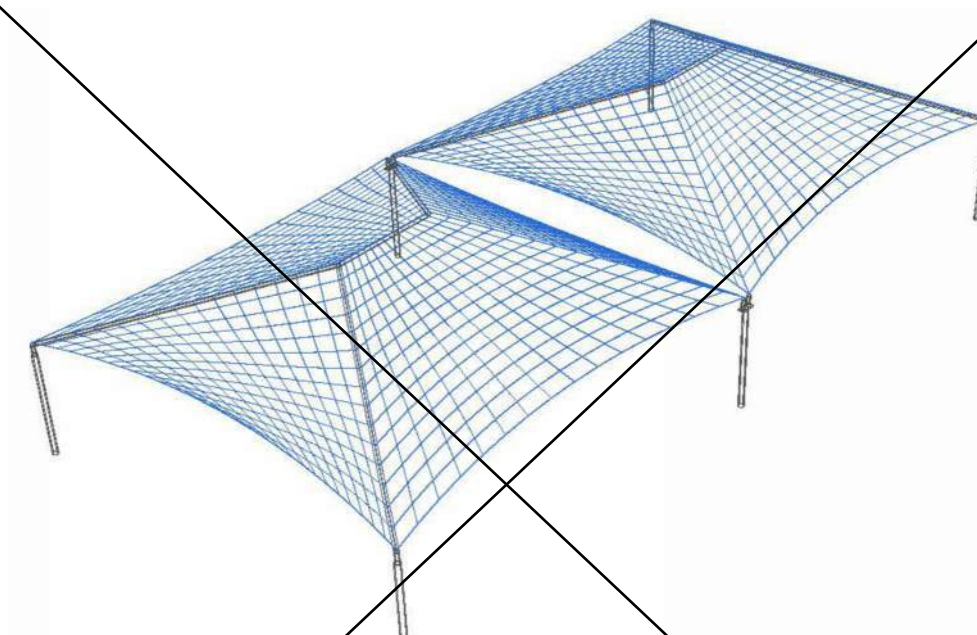
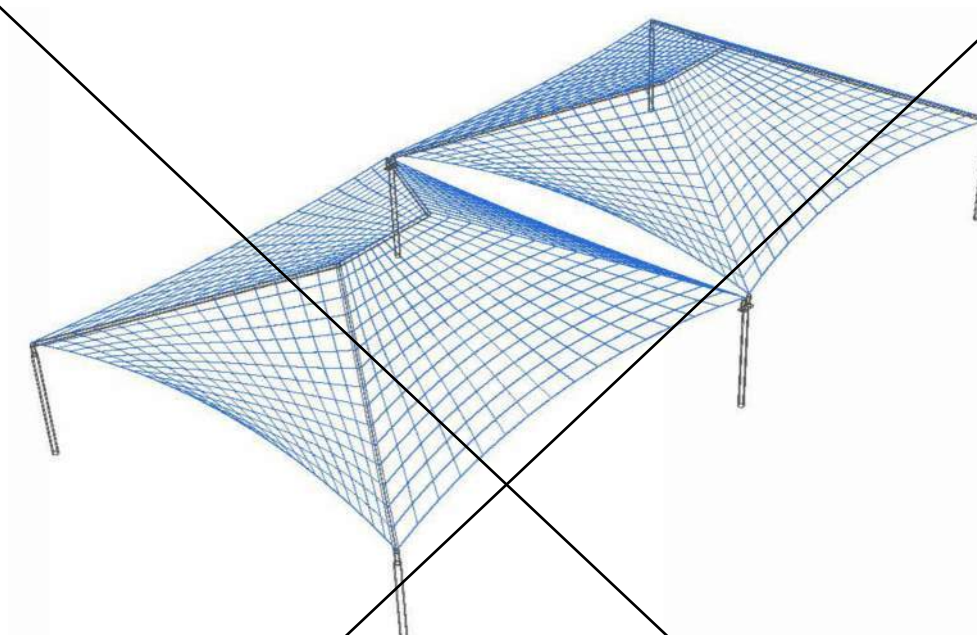
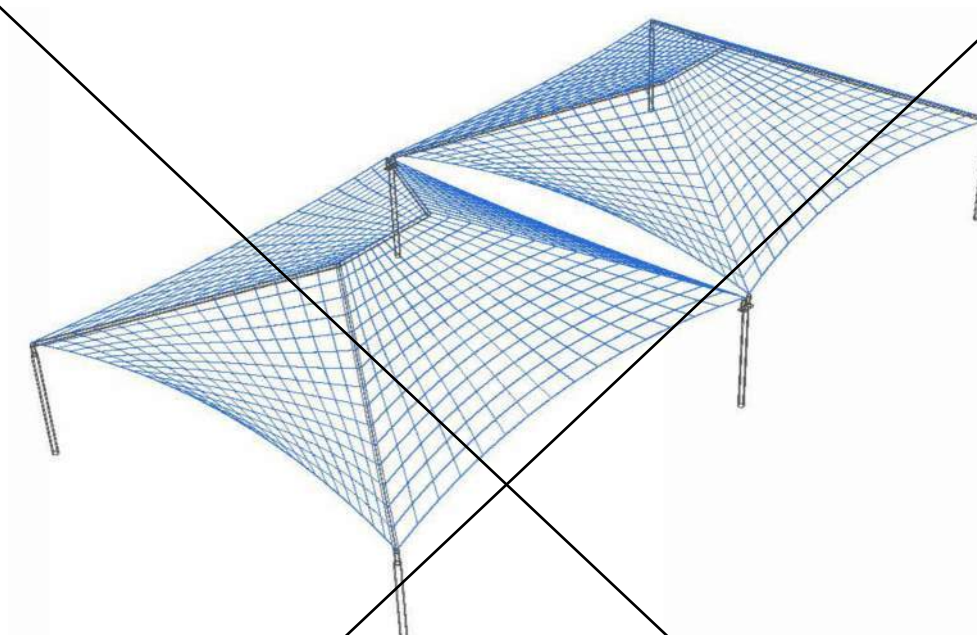
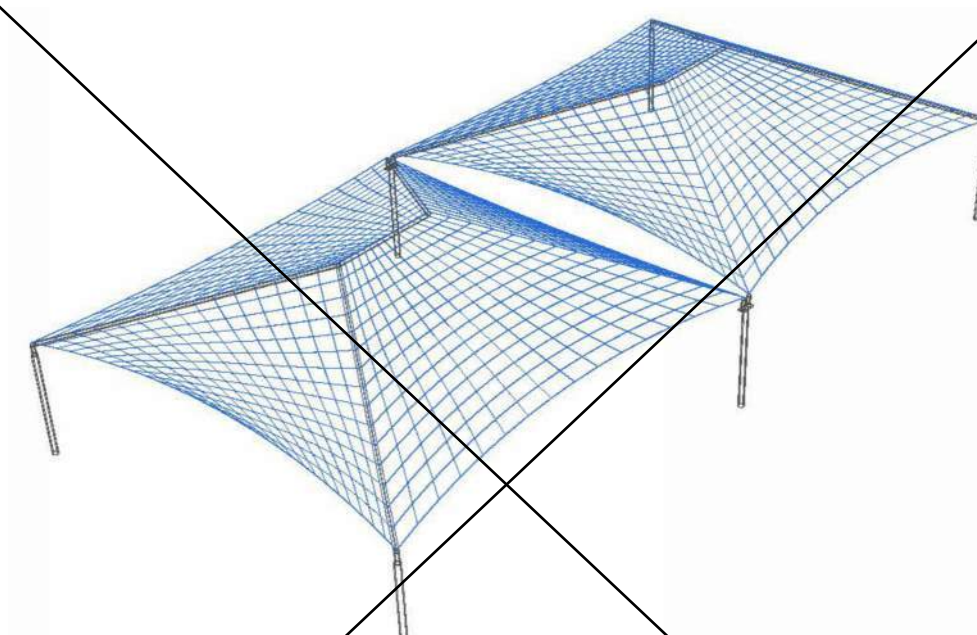






IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122281 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 03/19/2024

[illegible]

					<div>THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN</div> <div>USA SHADE & Fabric Structures</div> <div>CORPORATE HEADQUARTERS 2580 ESTERS BLVD, SUITE 100 DFW AIRPORT, TX, 75261 800-966-5005</div> <div>CERTIFICATIONS: IAS CERTIFICATION No: FA-428 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355</div> <div>CUSTOMER: Washington U.S.D.</div> <div>PROJECT NAME: River City High School</div> <div>LOCATION: 1 Raider Lane West Sacramento, CA 95691</div> <div>MODEL NUMBER:</div>
<div>STRUCTURE MODEL: DSA0125-22 MAX. SIZE: 27' x 27' x 17' MAX. AREA: 690 SQ. FT. MAX. OCCUPANCY: 16 PERSONS</div> <div>SEE SHEET 26.1-1000</div>	<div>STRUCTURE MODEL: DSA007030-22 MAX. SIZE: 27' x 30' x 17' MAX. AREA: 690 SQ. FT. MAX. OCCUPANCY: 40 PERSONS</div> <div>SEE SHEET 17.1-1000</div>	<div>STRUCTURE MODEL: DSA007030-22 MAX. SIZE: 27' x 30' x 17' MAX. AREA: 690 SQ. FT. MAX. OCCUPANCY: 40 PERSONS</div> <div>SEE SHEET 17.1-1000</div>	<div>STRUCTURE MODEL: DSA002030-22 MAX. SIZE: 27' x 32' x 17' MAX. AREA: 690 SQ. FT. MAX. OCCUPANCY: 40 PERSONS</div> <div>SEE SHEET 11.1-1000</div>	<div>STRUCTURE MODEL: DSA012030-22 MAX. SIZE: 27' x 30' x 17' MAX. AREA: 690 SQ. FT. MAX. OCCUPANCY: 40 PERSONS</div> <div>SEE SHEET 1.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
TRIANGLE	TRI-TRUSS HIP SINGLE WIDE	MARINER PEAK	FULL CANTILEVER HIP SINGLE	<div>STRUCTURE MODEL: DSA013030-22 MAX. SIZE: 37' x 30' x 17' MAX. AREA: 690 SQ. FT. MAX. OCCUPANCY: 40 PERSONS</div> <div>SEE SHEET 2.1-1000</div>	
				<div>STRUCTURE MODEL: DSA013040-22 MAX. SIZE: 37' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 80 PERSONS</div> <div>SEE SHEET 3.1-1000</div>	
<div>STRUCTURE MODEL: DSA01340-22 MAX. SIZE: 040' x 12' MAX. AREA: 1,040 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 28.1-1000</div>	<div>STRUCTURE MODEL: DSA00060-22 MAX. SIZE: 060' x 12' MAX. AREA: 720 SQ. FT. MAX. OCCUPANCY: 160 PERSONS</div> <div>SEE SHEET 29.1-1000</div>	<div>STRUCTURE MODEL: DSA0070060-22 MAX. SIZE: 37' x 122' x 17' MAX. AREA: 1,980 SQ. FT. MAX. OCCUPANCY: 260 PERSONS</div> <div>SEE SHEET 19.1-1000</div>	<div>STRUCTURE MODEL: DSA00220060-22 MAX. SIZE: 27' x 200' x 17' MAX. AREA: 4,000 SQ. FT. MAX. OCCUPANCY: 260 PERSONS</div> <div>SEE SHEET 12.1-1000</div>	<div>X</div> <div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 6.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
HEXAGON	TRI-TRUSS HIP JOINED	MARINER PEAK JOINED	FULL CANTILEVER HIP JOINED	<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 7.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 8.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
HIP				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 9.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 10.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
JOINED HIP				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 11.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 12.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
NOT USED	TENSIONS SAILS THREE-POINT	MARINER PEAK QUAD	SINGLE POST PYRAMID		
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 13.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 14.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
NOT USED	TENSIONS SAILS FOUR-POINT	NOT USED	SINGLE POST PYRAMID CANTILEVER		
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 15.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 16.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 17.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 18.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 19.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 20.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 21.1-1000</div>	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 22.1-1000</div>	
FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	FOR DSA 103 TESTING & INSPECTIONS SAMPLE, SEE PC T-3.0 & PC T-4.0	
				<div>STRUCTURE MODEL: DSA01304012-22 MAX. SIZE: 27' x 42' x 17' MAX. AREA: 1,200 SQ. FT. MAX. OCCUPANCY: 60 PERSONS</div> <div>SEE SHEET 23.1</div>	

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-12-1917 PC
REVIEWED FOR
SS ☒ PCS ☒ ACS ☒ CG ☒
DATE: 10/30/2023

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE:
D

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

Eng. By : DWH 2/14/23
Design By : DWH 2/14/23
Approved By : DWH 2/14/23
DRAWING DESCRIPTION:

DWG.
UNIT SELECTION

SHEET T-2.0

REV.

GENERAL NOTES

1. SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING. UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2022 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.
2. STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.
3. FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)
4. DESIGN PER FOLLOWING CODES: CBC 2022(CHAPTER 35), ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-19, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEEL

1. FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2022 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1.
2. ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.
3. ALL WORK SHALL CONFORM TO CBC 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
4. ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE AND CONFORM TO ASTM A500-16 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:
SQUARE AND RECTANGULAR 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS
ROUND PIPE 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS
6. ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.
7. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
8. ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/COWI 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" ER70S-X ELECTRODES UNLESS OTHERWISE NOTED. GMAW IS ACCEPTABLE.
11. ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 65 KSI, TENSILE STRENGTH=100 KSI MINIMUM. ALLOY GROUP 2, CONDITION CW1. ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 2, CONDITION CW1. REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH STRENGTH BOLTS. BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST).
12. ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC), TO ACHIEVE OPTIMUM ADHESION. IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
- PENCIL HARDNESS (ASTM D-3363) - HUMIDITY (ASTM D-2247)
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL, SOFTNESS.
13. ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.
14. ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329) AS APPLICABLE, OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

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CONCRETE SPECIFICATION

1. CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.
2. CONCRETE TO BE F_{cy} 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 F_y 60,000 PSI, MIN. GR. 60, ALSO COATED ACCORDING TO ASTM A117. STANDARD SPECIFICATION FOR ZINC-COATING (GALVANIZED) STEEL BARS FOR CONCRETE REINFORCEMENT.
3. ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 36 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329). ANCHOR BOLT'S DIAMETER NEEDS TO BE AS FOLLOWS:
A) ANCHOR BOLT Ø1" 1/4"
4. CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.
5. ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.
6. CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3.

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

FABRIC SPECIFICATION

1. FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD., WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS. MINIMUM SEAM LENGTH 3/4".
2. THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.
3. PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO DSA.
4. FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT FIRE TEST ON FABRIC. NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST. FLAME SPREAD INDEX (FSI): 10, SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE AREA.
5. FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.
6. A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

AIRCRAFT DAMAGE

1. FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023/A1023M, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS. CABLE SHALL BE TENSIONED TO 300 LBS MINIMUM AND 500 LBS MAXIMUM. THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS 594x4909 LB.
2. CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

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

CBC PC DESIGN NOTES

BUILDING CODE	CBC 2022 (BASED ON IBC 2021)
FLOOR LIVE LOAD	N/A
ROOF LIVE LOAD	5 PSF
ALLOWABLE SOIL PRESSURE:	
DL + LL (CONC FTG)	1500 PSF
DL + LL + SEISMIC (CONC FTG)	1500 PSF
LATERAL BEARING DESIGN VALUE	100 PSF/FT BELOW NATURAL GRADE PER TABLE 1806A.2
TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT)	
PER CBC SECTION 1806A.3.4	
ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE).	
UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.	

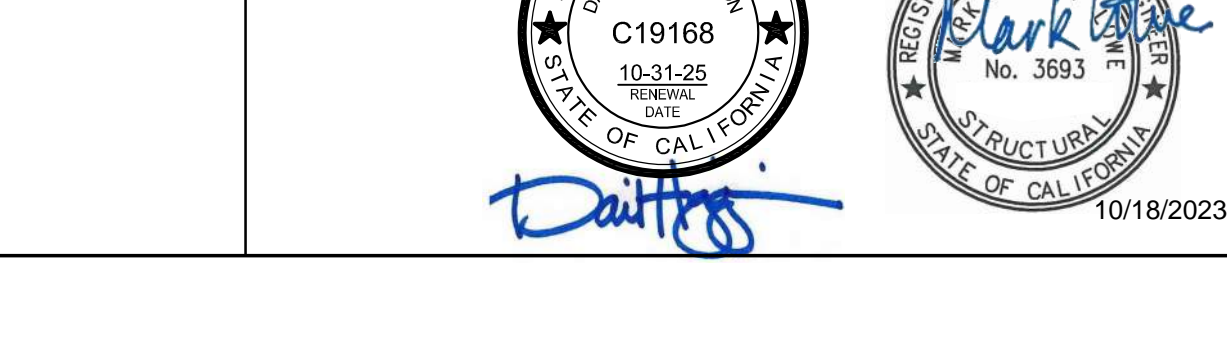
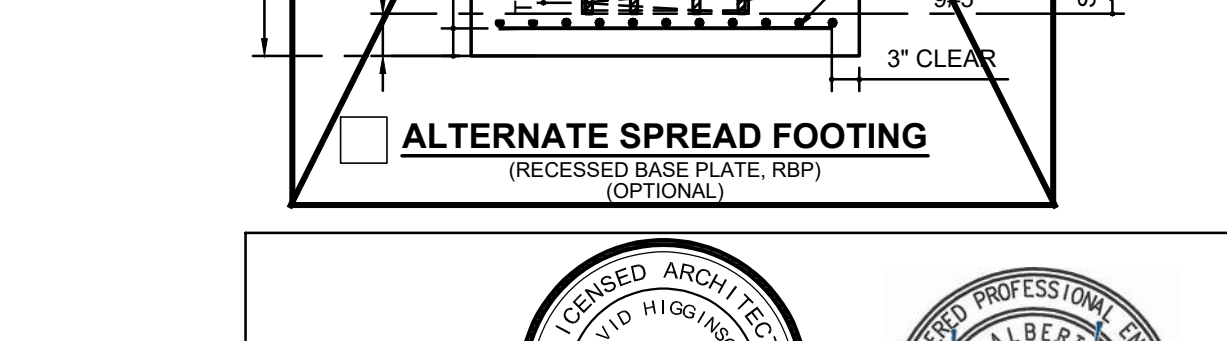
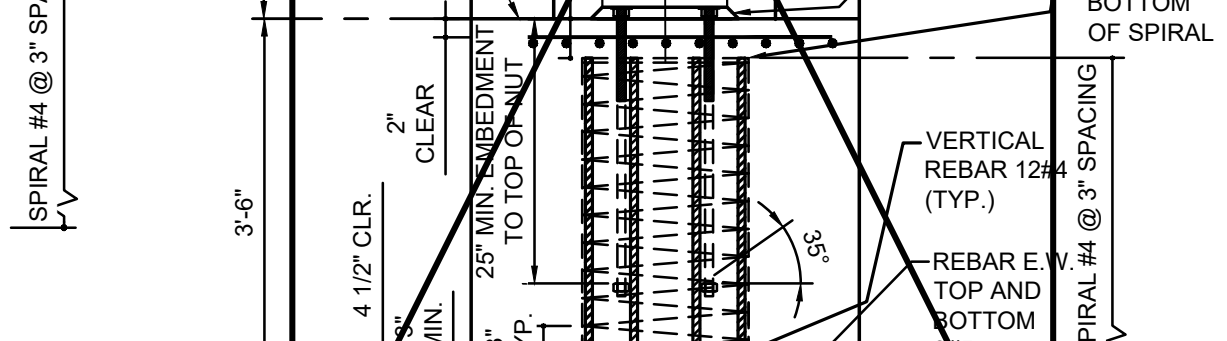
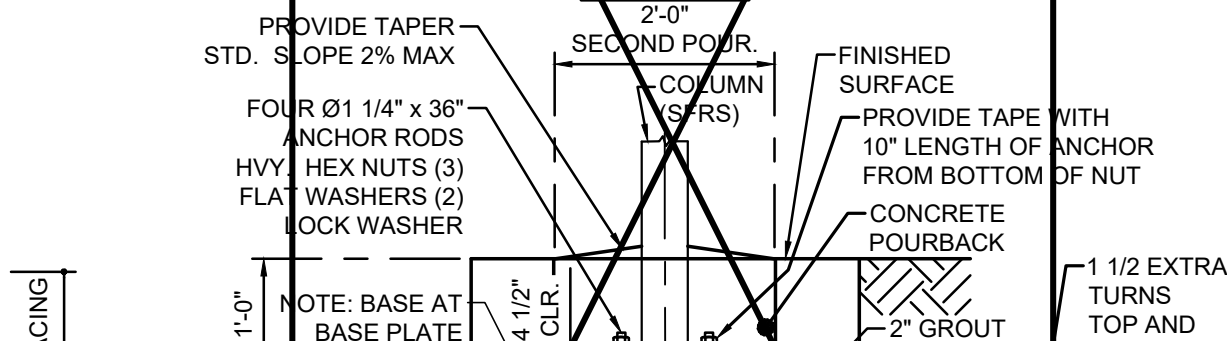
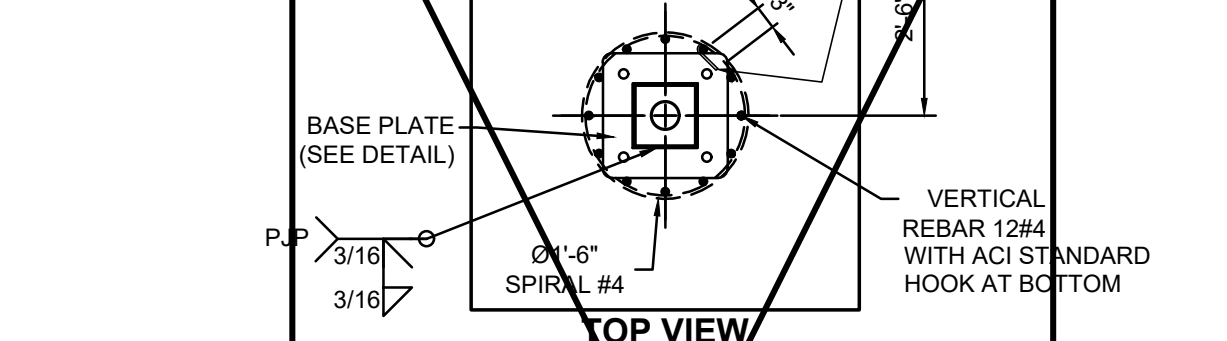
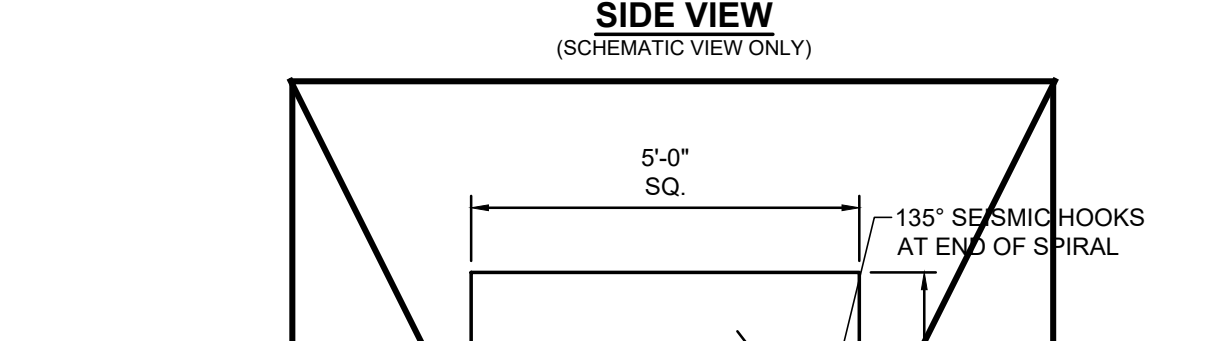
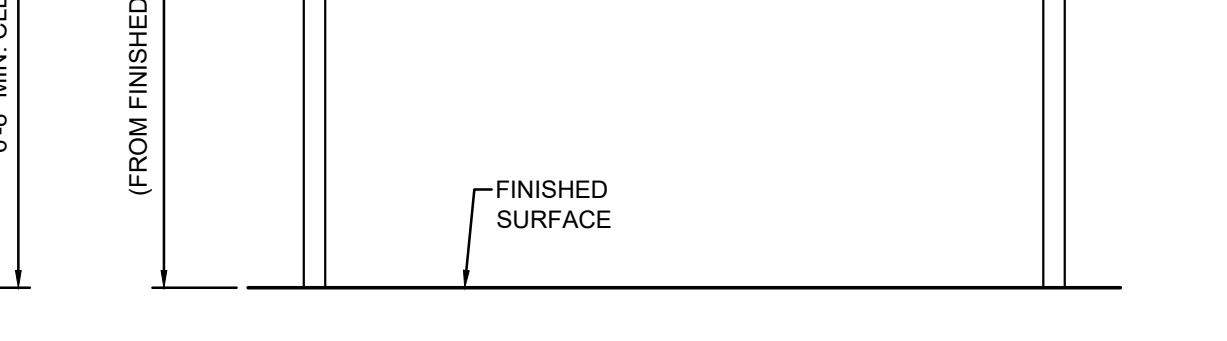
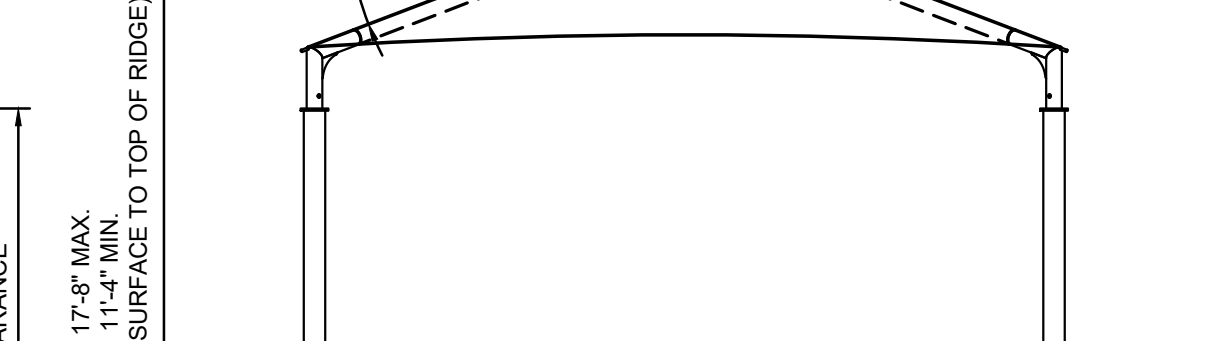
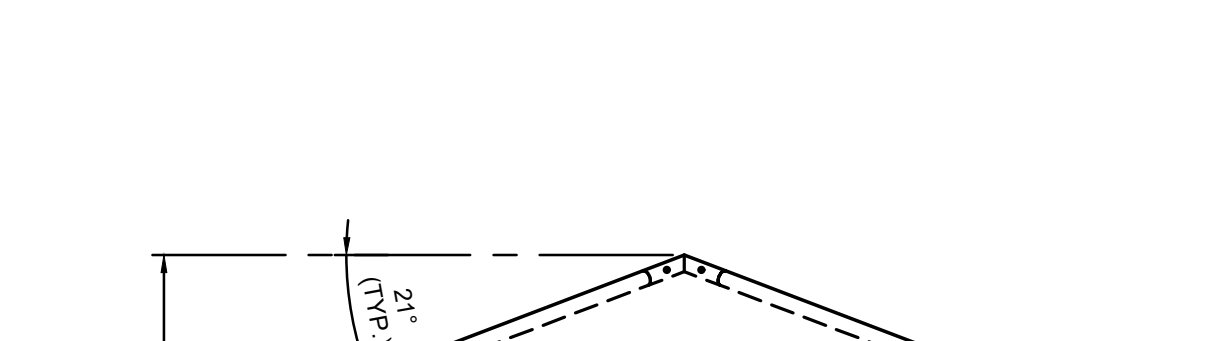
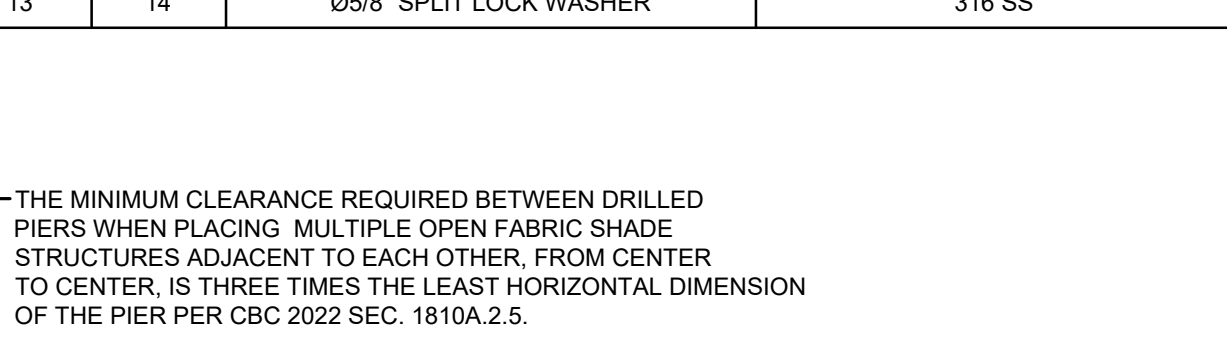
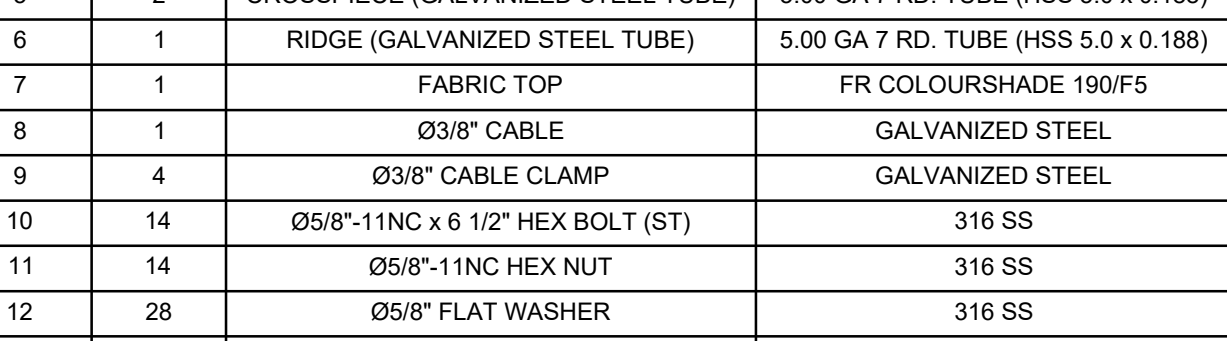
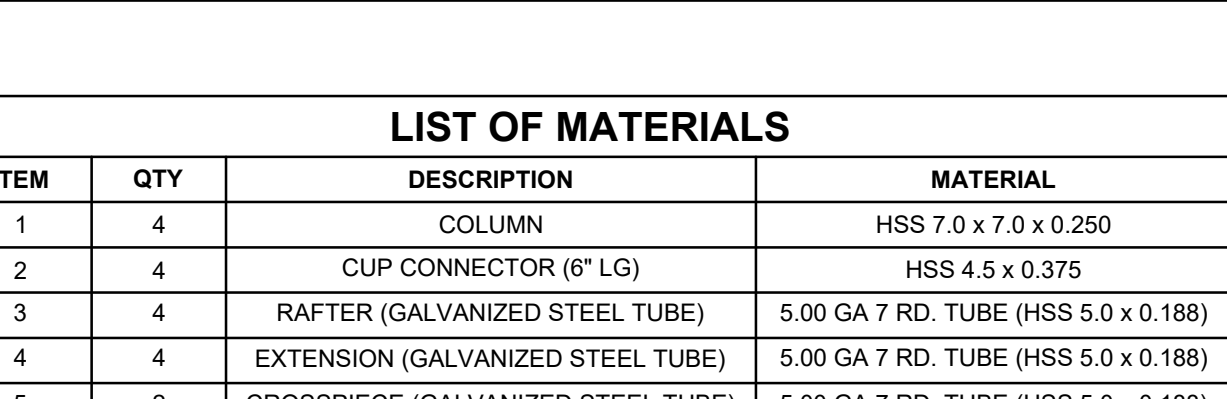
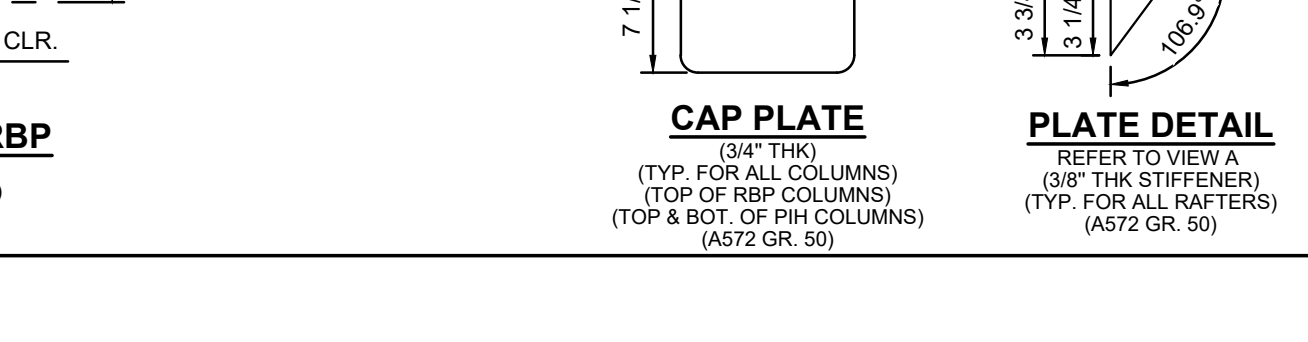
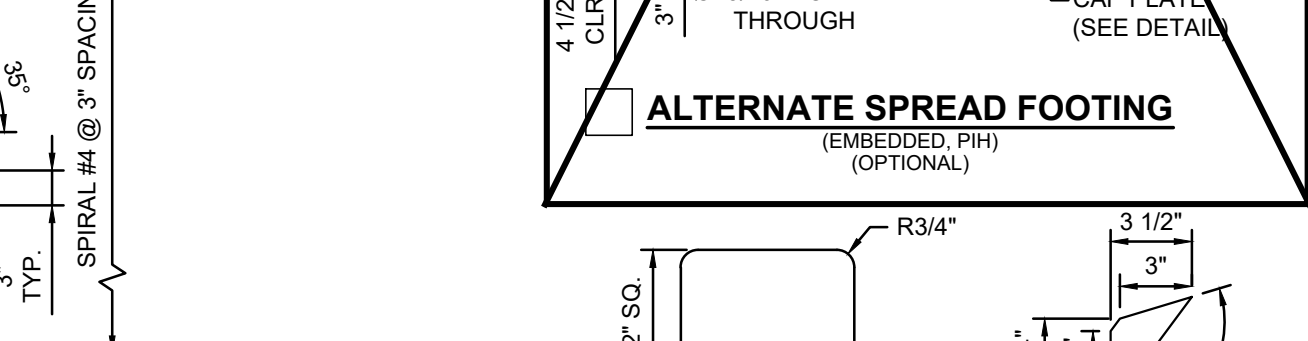
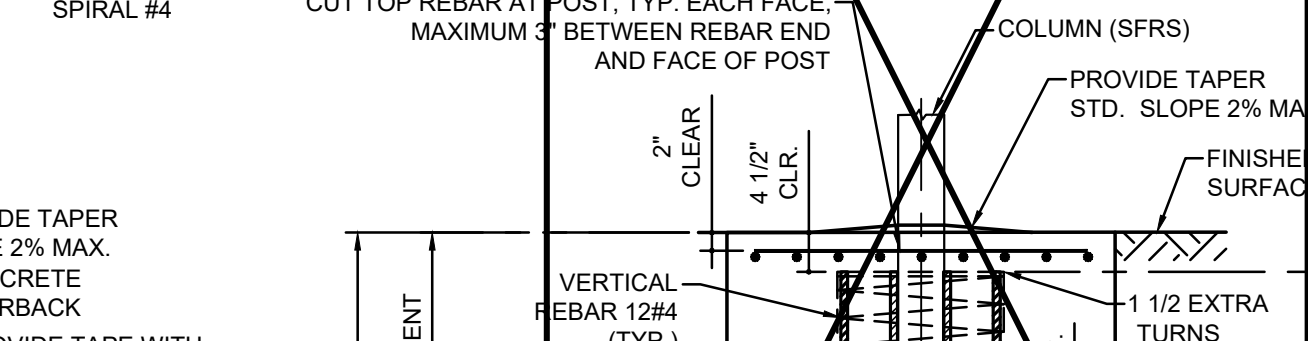
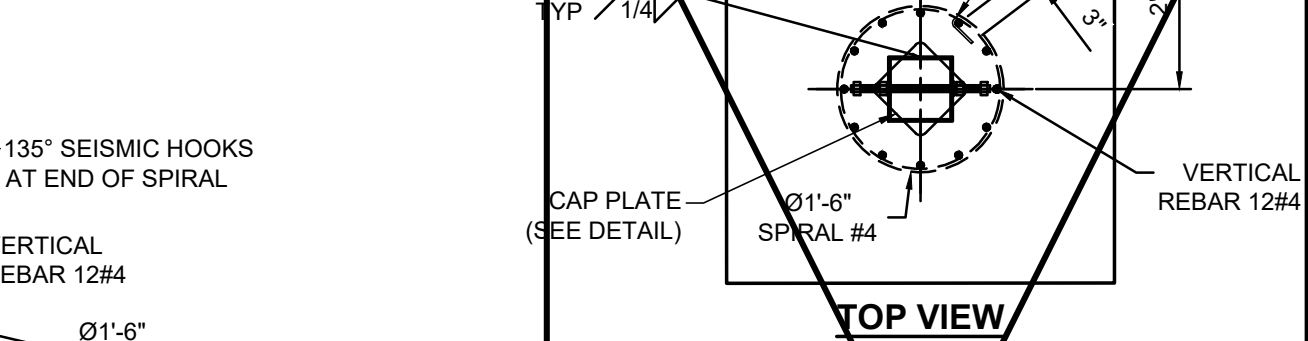
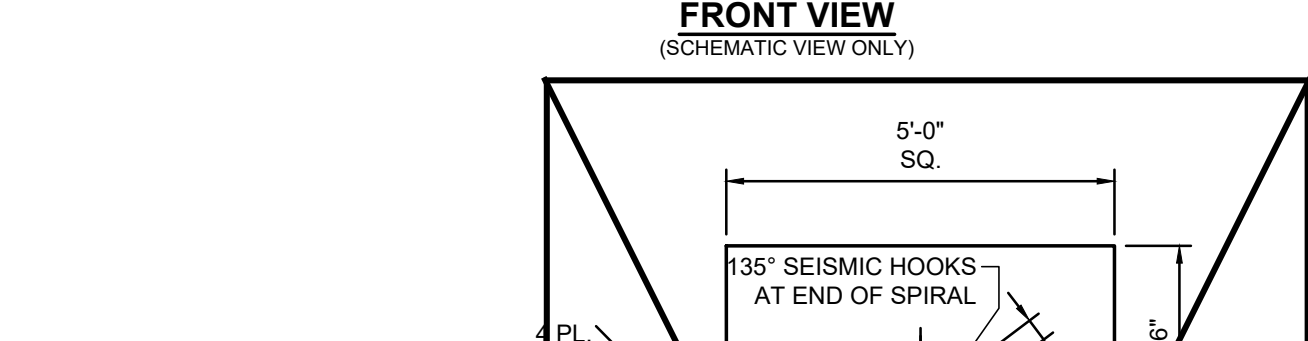
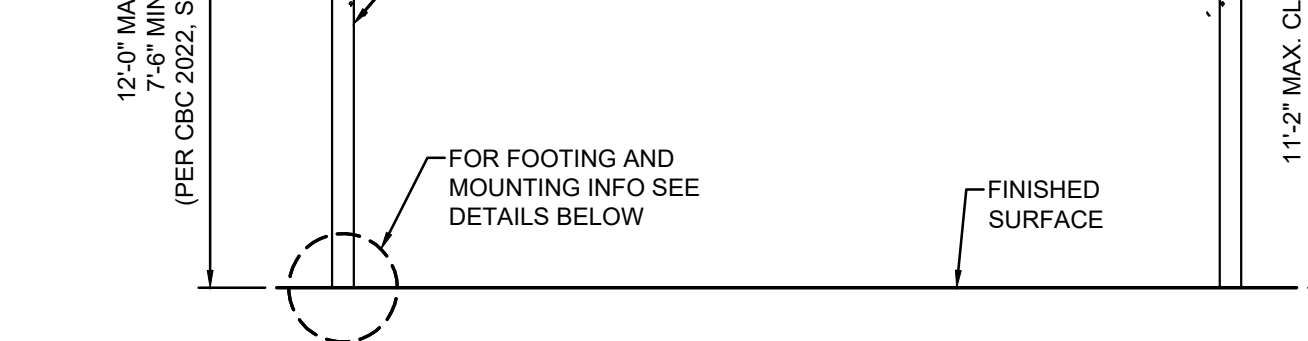
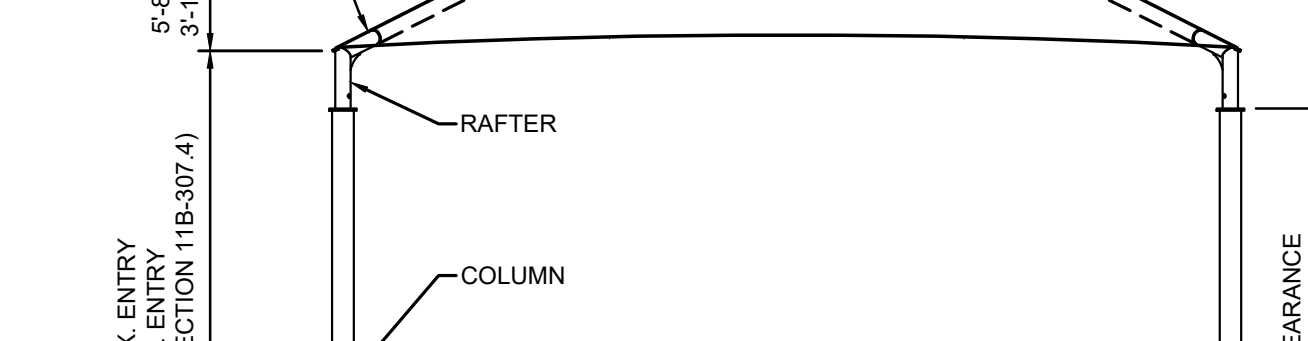
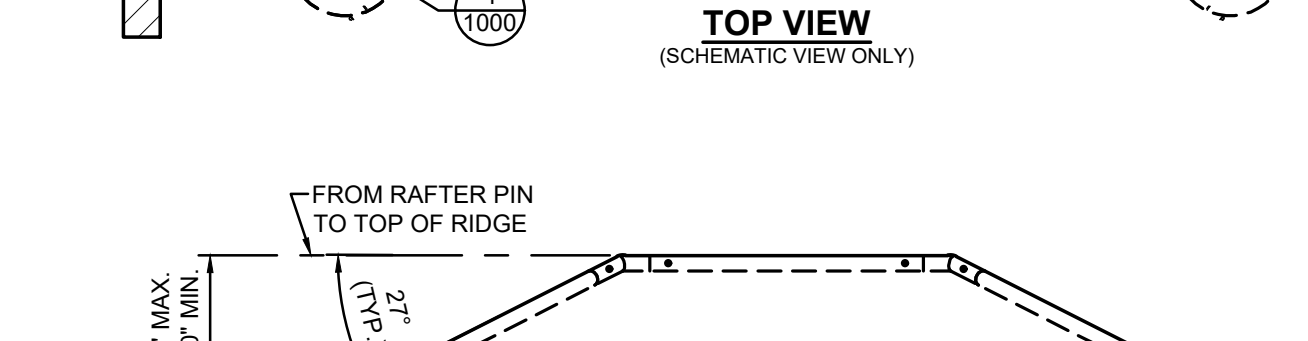
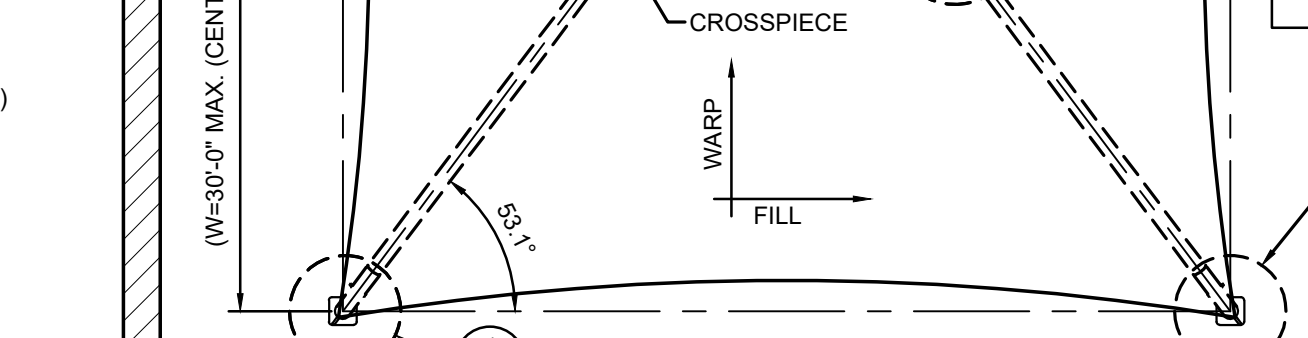
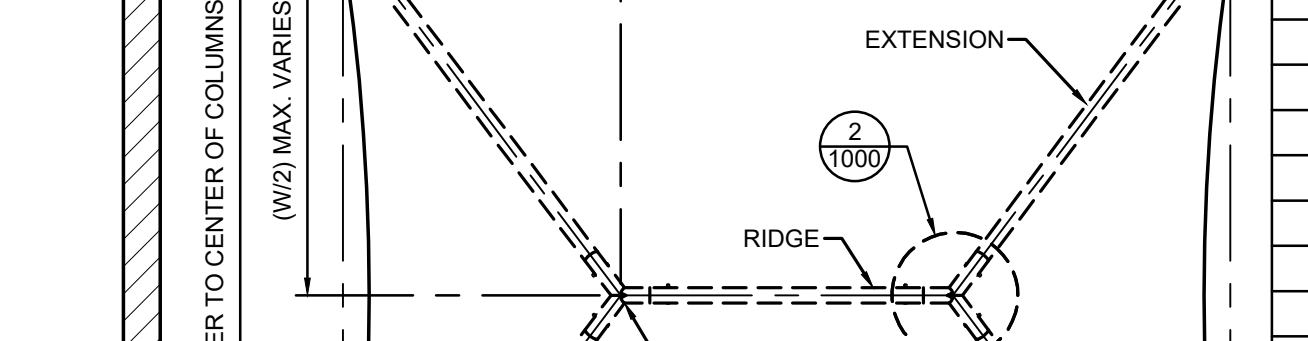
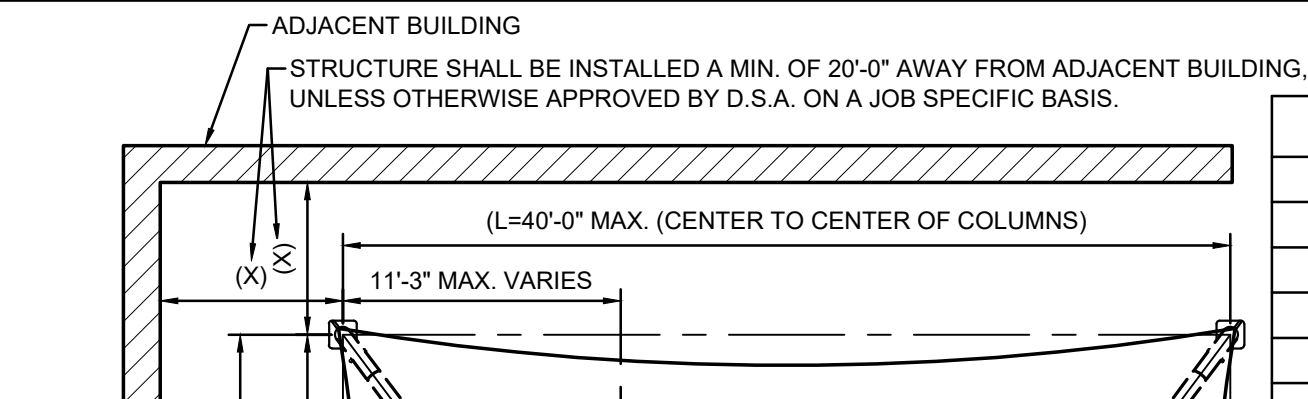
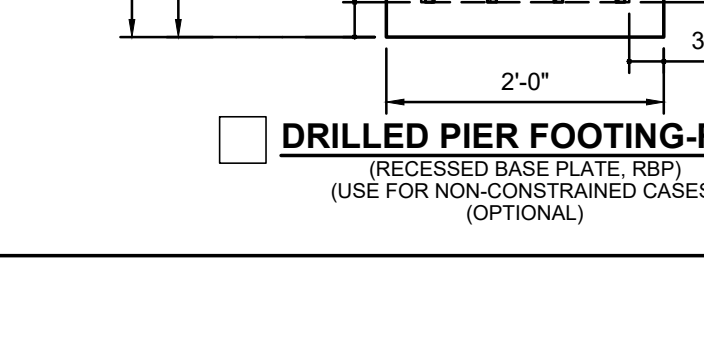
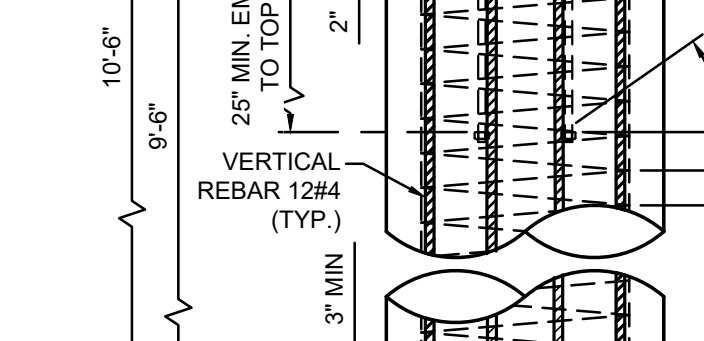
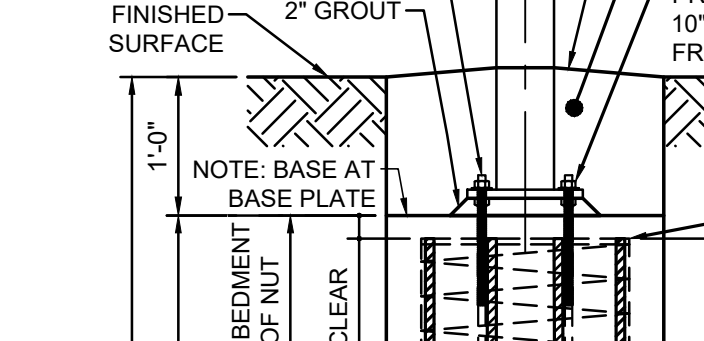
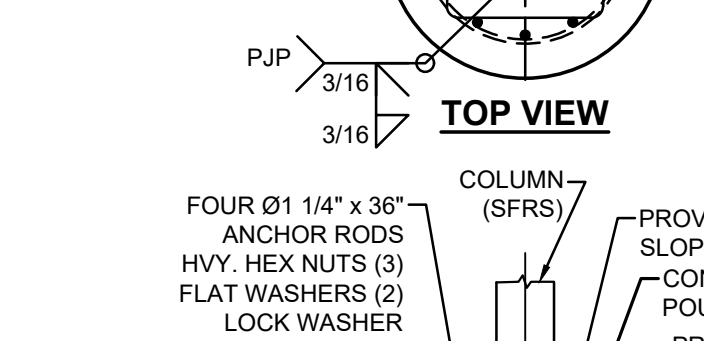
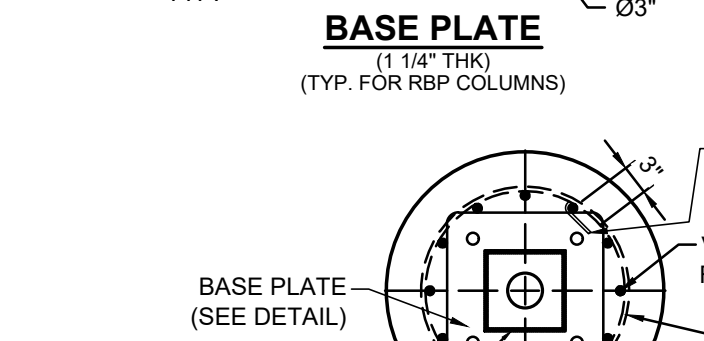
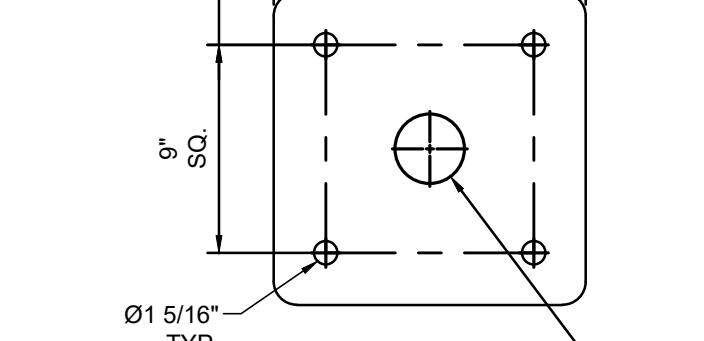
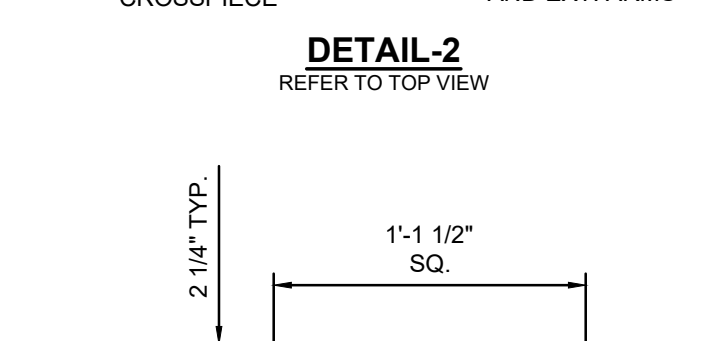
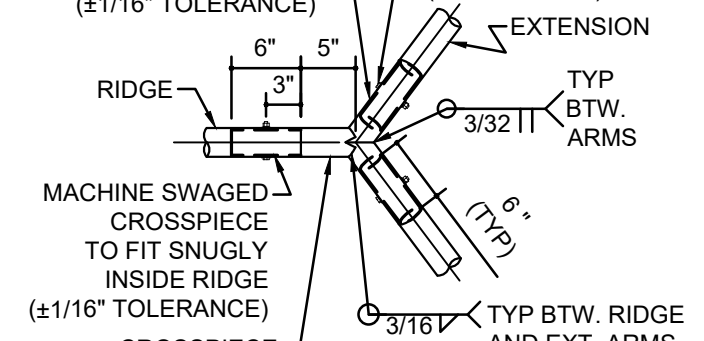
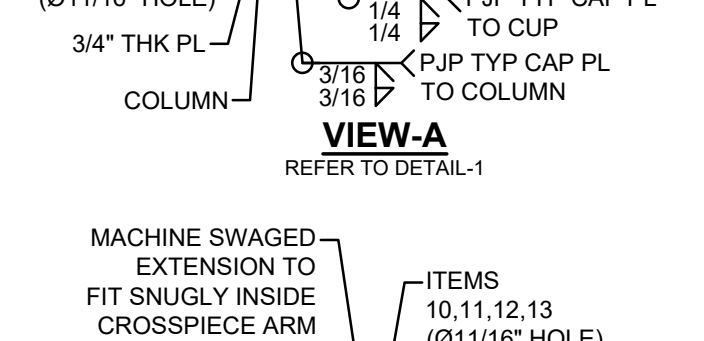
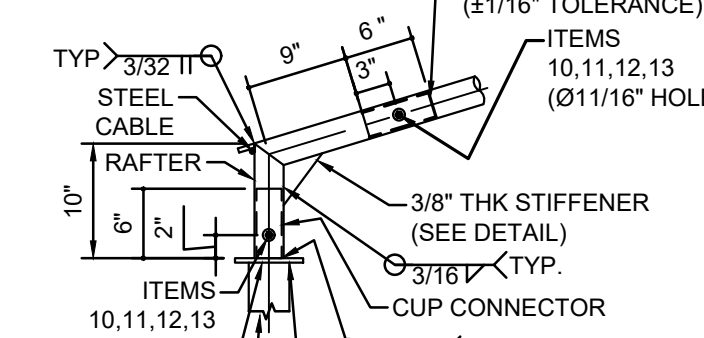
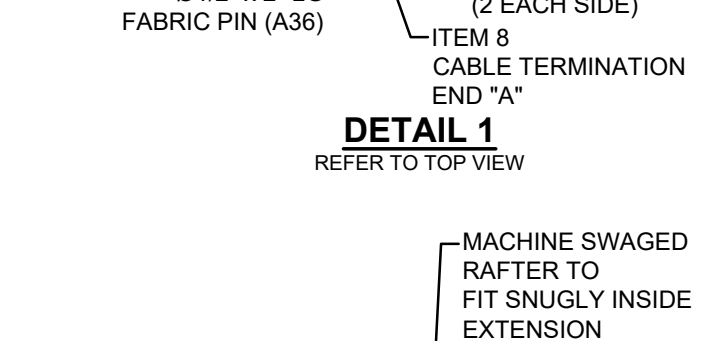
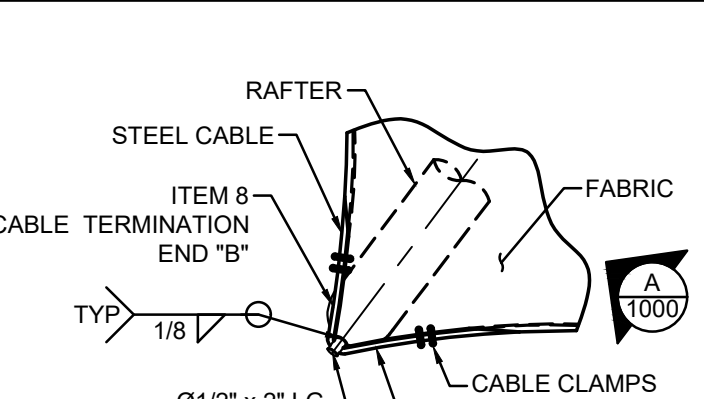
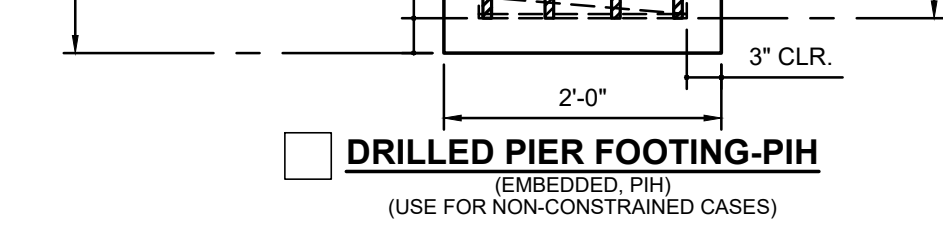
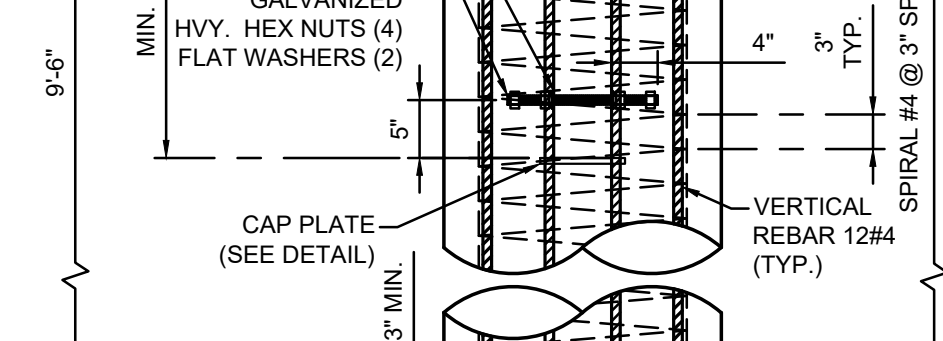
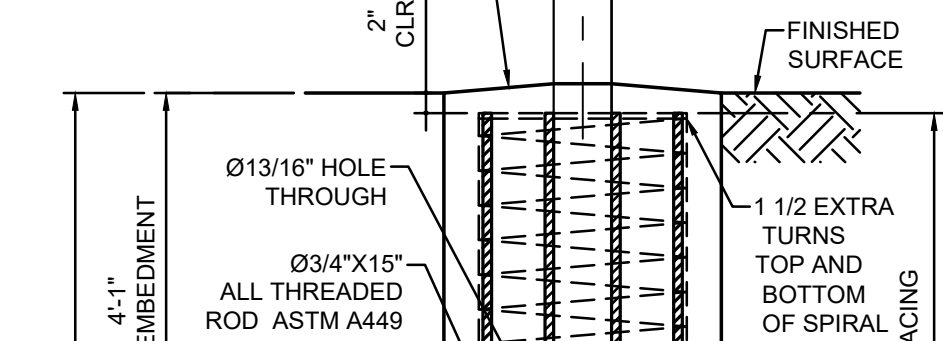
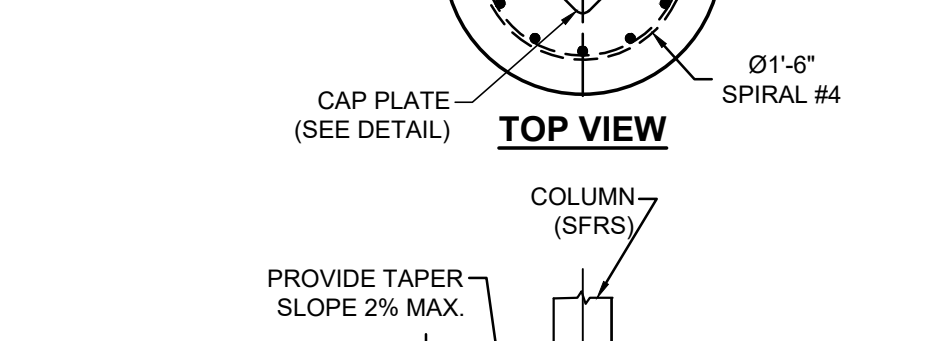
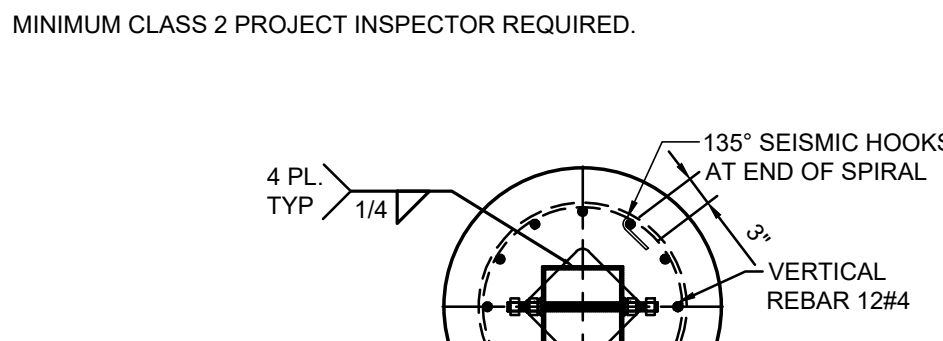
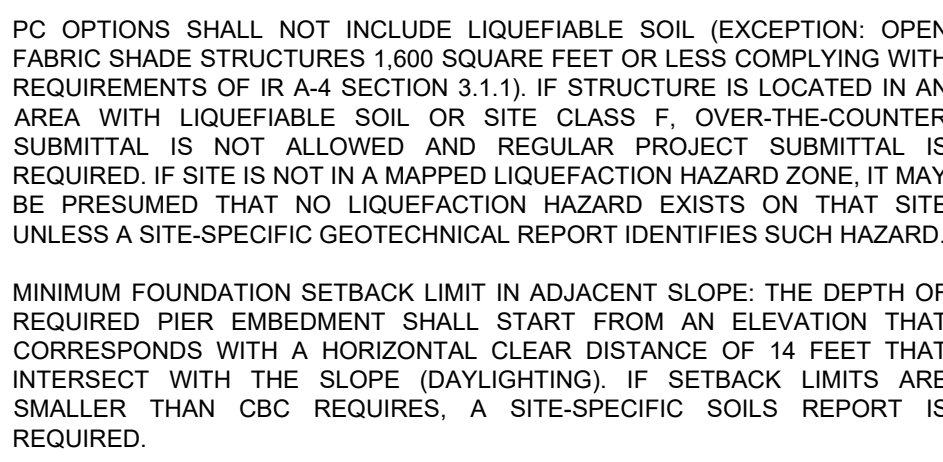
ROOF SNOW LOAD	5 PSF
ICE LOAD	ZERO PSF
FLOOD HAZARD AREA	ZONE X
WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.	
WIND DESIGN DIRECTIONAL PROCEDURE: ASCE 7-16, SECTION 27.3.2	
NOTE: WIND DESIGN IS LIMITED TO UNOBSTRUCTED CLEAR FLOW CONDITION	
-BASIC DESIGN WIND SPEED (3 SEC GUST)	V 115 MPH
-ASD WIND LOAD (CBC 2022 SEC. 1603A.1.4)	V _{ASD} 90 MPH
-WIND EXPOSURE FACTOR	C 0.85
-TOPOGRAPHIC FACTOR	K _{zt} 1
-RISK CATEGORY	II
-VELOCITY PRESSURE EXPOSURE COEFFICIENT	q _e 0.85
-VELOCITY PRESSURE	q _z 24.46 PSF
SEISMIC DESIGN:	
-SITE CLASS	D
NOTE: UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE S _m VALUE INCREASED BY 50% SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.	
-SPECTRAL RESPONSE COEFFICIENTS	S _{DS} 3.00g S ₁ 1.389g SD1 1.39

-LATERAL FORCE RESISTING SYSTEM G-2 ORDINARY CANTILEVERED COLUMN SYSTEM.	
-SEISMIC IMPORTANCE FACTOR	I _e 1.0
-DESIGN BASE SHEAR AT BASE	V 3072 LB
-SEISMIC RESPONSE COEFFICIENTS	C _s 1.6
-RESPONSE MODIFICATION FACTOR	R 1.25
-ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
-RISK CATEGORY	II
-SEISMIC DESIGN CATEGORY	E
-SITE COEFFICIENT CATEGORY	F _a 1.2 F _v 1.5 ρ 1.3
-REDUNDANCY FACTOR	

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

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

MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.



LIST OF MATERIALS

ITEM	QTY	DESCRIPTION	MATERIAL
1	4	COLUMN	HSS 7.0 x 7.0 x 0.250
2	4	CUP CONNECTOR (6\" LG)	HSS 4.5 x 0.375
3	4	RAFTER (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 x 0.188)
4	4	EXTENSION (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 x 0.188)
5	2	CROSSPIECE (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 x 0.188)
6	1	RIDGE (GALVANIZED STEEL TUBE)	5.00 GA 7 RD. TUBE (HSS 5.0 x 0.188)
7	1	FABRIC TOP	FR COLOURSHADE 1900F5
8	1	Ø3/8\" CABLE	GALVANIZED STEEL
9	4	Ø3/8\" CABLE CLAMP	GALVANIZED STEEL
10	14	Ø5/8\"-11NC x 6 1/2\" HEX BOLT (ST)	316 SS
11	14	Ø5/8\"-11NC HEX NUT	316 SS
12	28	Ø5/8\" FLAT WASHER	316 SS
13	14	Ø5/8\" SPLIT LOCK WASHER	316 SS

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

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

CERTIFICATIONS:

IAS CERTIFICATION No: F4-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:

Washington U.S.D.

PROJECT NAME:

River City High School

LOCATION:

1 Raider Lane
West Sacramento, CA 95691

MODEL NUMBER:

DSA401304012-22

STRUCTURE TYPE:

H I P

DSA

SIZE:

MAXIMUM

30' x 40' x 12'e MAX.

SCALE :

NONE

DRAWING SIZE:

D

PRE-CHECK (PC) DOCUMENT

Code : 2022 CBC
A separate project application for construction is required.

Eng. By : HH 12/01/22

Design By : OS 12/01/22

Approved By : MB 12/01/22

DRAWING DESCRIPTION:

PRODUCT INFORMATION

DWG.

DSA401304012-22

SHEET

7.1-1000

REV.

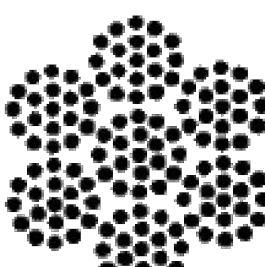
NC

10/18/2023

Aircraft Cable

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

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



7 x 19

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



190/F5 Fire rated specifications

Standard range

Revision 0 28-Oct-12

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

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

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

Deon Joubert
General Manager - Multiknit (Pty) Ltd

Tommy Rogers
Managing Director - Multiknit (Pty) Ltd



FLAME RETARDANT

Fabric Registration

LICENSE NUMBER: F-052001

COLOURSHADE 190/F5

Product Marketed by:

MULTIKNIT (PTY) LTD
BOX 798 WHITE RIVER 1240
MPUMALANGA SOUTH AFRICA, .
Issue Date : 05/08/2023
Expiration Date : 06/30/2024

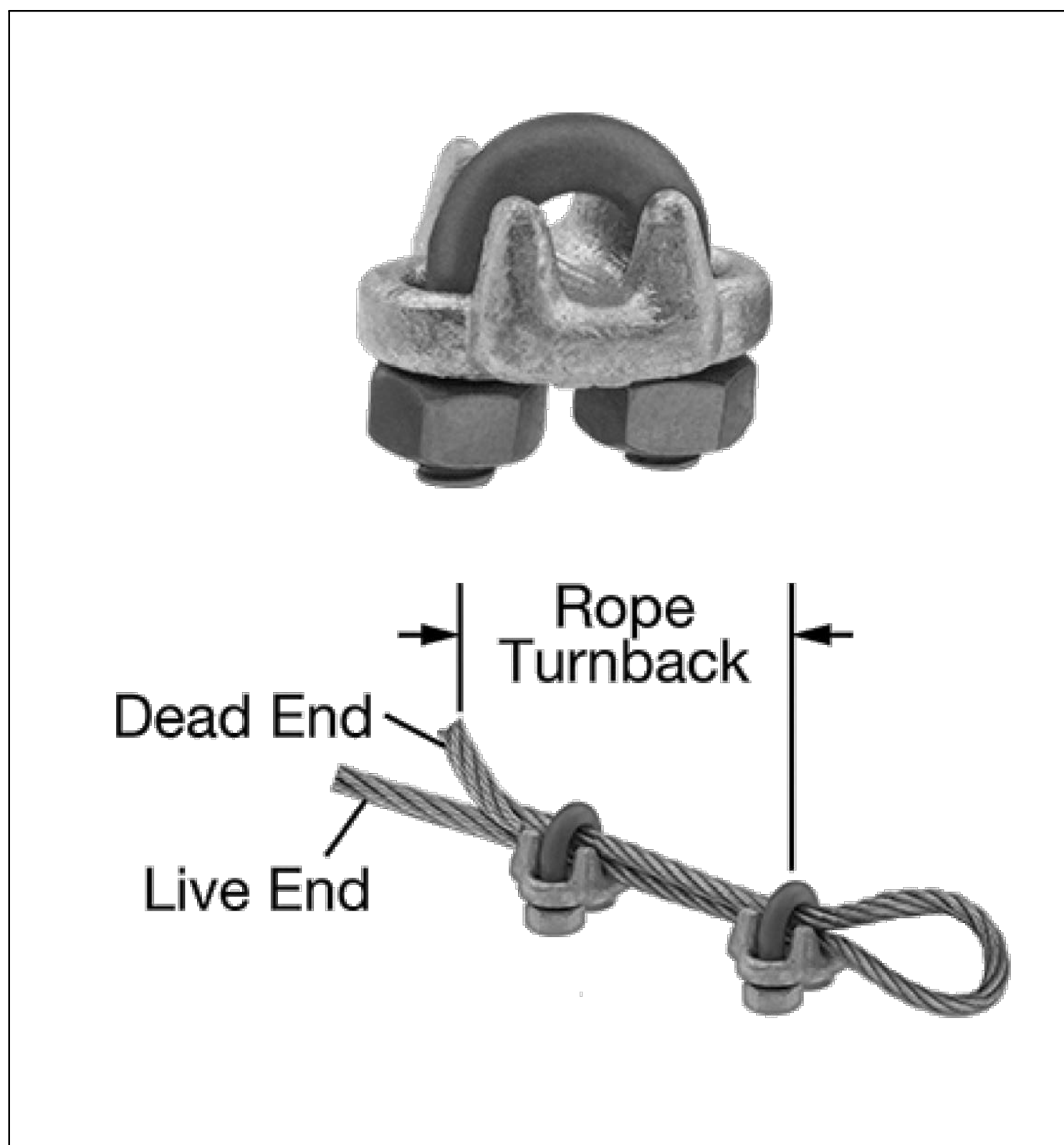
This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code. The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST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

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

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

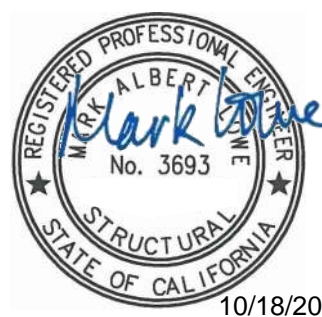
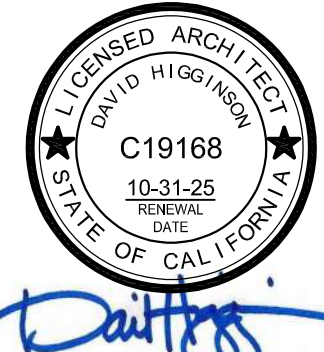
OFFICE OF THE STATE FIRE MARSHAL

Please visit calfire.gov/motus.org for more information on Licensing and Permitting with CAL FIRE



FORGED WIRE ROPE CLAMP

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



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DSA

SIZE: MAXIMUM
30' x 40' x 12'e MAX.

SCALE : NONE

DRAWING SIZE:

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PRE-CHECK (PC) DOCUMENT

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Eng. By : HH 12/01/22

Design By : OS 12/01/22

Approved By : MB 12/01/22

DRAWING DESCRIPTION:

SPECIFICATIONS

DWG. DSA401304012-22

SHEET 7.2-2000

REV. NC