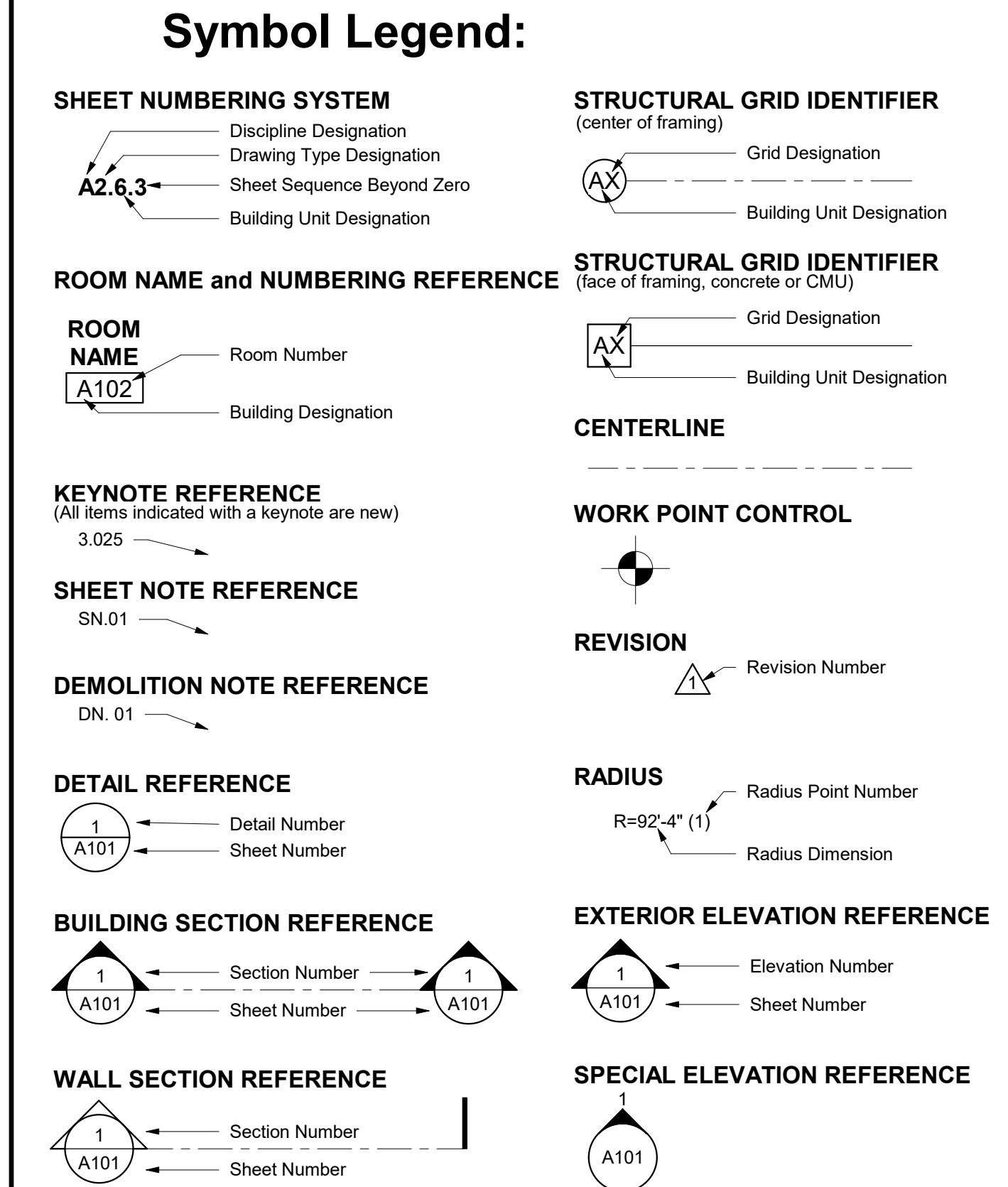


Abbreviations:			
A	And	F.R.P.	
@	Angle	Flt	
Centerline	F.V.	Field Ventry	
Degree	F.F.E.	Finish Floor Elevation	
PEREP/J	Periscopic	Finish Grade	
#	Property Line	Fire Alarm	
A.F.F.	Above Finish Floor	F.E.C.	Fire Extinguisher
ACOUS.	Acoustical	FLASH	Fire Extinguisher Cabinet
ADJ.	Adjustable	FLM.B.	Flat Head Machine Bolt
AGGR.	Aggregate	F.H.M.S.	Flat Head Machine Screw
A.B.	Aggregate Base	F.H.W.S.	Flat Head Wood Screw
ALUM./AL.	Aluminum	FL.FLR.	Floor
AD	Area Drain	F.D.	Floor Drain
A.V.	Audio Visual	FT.	Foot/Feet
AUTO.	Automatic	FTQ.	Footing
BM	Beam	FND.	Foundation
BLK	Block	FURR.	Furring
BLKG.	Blocking	GALV.	Galvanized
BD.	Board	G.I.	Galvanized Iron
BOT	Bottom	G.S.M.	Galvanized Sheet Metal
BULD.G.	Building	G.W.H.	Gas Water Heater
CAB.	Cabinet	GLU/LAM./G.L.B.	Glue Laminated (Beam)
CATV	Cable T.V.	GR.	Grade
C.I.	Cast Iron	GYP.	Gypsum
CLK.G.	Catch Basin	GYP.BD.	Gypsum Wallboard
CNTR./CTR.	Center	HDWR.	Hardware
CER.	Ceramic	HDWD.	Hardwood
CH	Chain Link	HDR.	Header
CB	Chalkboard	HVAC	Heating/Ventilating
CL	Classroom	H.J.T.	Air Conditioning
CLR.	Clear	H.M.	Hollow Metal
C.W.	Cold Water	HORZ.	Horizontal
COL.	Column	H.B.	Hose Bib
CONC.	Concrete	HR.	Hour (Fire Rating)
C.M.U.	Concrete Masonry Unit	IN.	Inch
CONN.	Connection	IN.	Information
CONSTR.	Construction	I.D.	Inside Diameter
C.J.	Construction Joint	INSUL.	Insulation
CONT.	Continuous	INT.	Interior
CNTR.	Contractor	INV.	Invert
CORR.	Corrosion	S.F.	Square Feet
C.M.P.	Corrugated Metal Pipe	JAN.	Janitor
C.Y.	Cubic Yard	JOIST.	Joist
CUST.	Custodian	JST.	Joint
D.	Deep/Depth	KP.	Kickplate
DET / DTL.	Detail	KIT.	Kitchen
DIAG.	Diagonal	L.	Lead
DIA / Ø	Diameter	LAM.	Laminate
DIM.	Dimension	LAV.	Lavatory
DIM PT.	Dimension Point	L.T.WT.	Light Weight
DRAW.	Disable Accessible	L.F.	Lineal Feet
DW.	Dishwasher	M.B.	Machine Bolt
DR.	Door	M.B.	Menhole
DBL.	Double	MFR.	Manufacturer
DN.	Down	M.O.	Masonry Opening
D.O.	Dropout	MATL.	Material
D.I.	Drain Inlet	MAX.	Maximum
DWG.	Drawing	MCH.	Mechanical
D.F.	Drinking Fountain	MECH.	Mechanical
E.A.	Each	MTB.	Mentane
E.	East	MEZ.	Mezzanine
ELEC.	Electrical	MIN.	Minimum
E.W.C.	Electric Water Cooler	MISC.	Miscellaneous
E.W.H.	Electric Water Heater	M.P.	Multipurpose
EL./ELEV.	Elevation	(N)	New
EMER.	Emergency	NOM.	Normal
EQ.	Equal	N.	North
EXH.	Exhaust Fan	N.I.C.	Not in Contract
(E)EXIST.	Existing	N.T.S.	Not to Scale
EXP.	Expansion	NO.#	Number
EXP.	Expansion Joint	W.D.W.	Window
EXT.	Exterior	O.F.O.I.	Owner Furnish, Owner Installed
F.O.C.	Face of Concrete/Curb	O.F.C.I.	Owner Furnish, Contractor Installed
F.O.F.	Face of Finish	O.C.	On Center
F.O.S.	Face of Studs	O.C.	Opposite
FB.	Fiberglass	O.H.	Opposite Hand
F.R.L.	Fiberglass Reinforced Laminate	O.D.	Outside Diameter
		O.H.W.S.	Oval Head Wood Screw
		O.V.	Over
		OA.	Overall
		P.D.F.	Power Driven Fastener
		PT.	Part
		PR.	Pair
		PTN./PART.	Partition
		PEN.	Penetration
		PERF.	Perforated
		P.LAM.	Plastic Laminate
		PL.	Plate
		P.V.	Plumbing Vent
		PLYWD.	Plywood
		PL.	Point
		PRE-FAB.	Prefabricated
		P.M.F.	Pressed Metal Frame
		P.T./P.T.D.F.	Pressure Treated Douglas Fir
		R.	Radius/Riser
		R.W.L.	Rain Water Leader
		RDWD.	Redwood
		REF.	Refrigerator
		REINF.	Reinforced
		REQD.	Required
		RET.	Return
		R.D.	Roof Drain
		RM.	Room
		R.O.G.	Rough Opening
		R.H.W.S.	Round Head Wood Screw
		R.B.	Rubber Base
		SECT.	Section
		S.S.K.	Service Sink
		SHT.	Sheet
		S.M.	Sheet Metal
		S.M.S.	Sheet Metal Screw
		S.V.	Sheet Vinyl
		SHR./SHWR.	Shower
		S.	Similar
		S.C.	Solid Core
		S.	South
		Spec.	Specification
		SQ.	Square
		SST./S.S.	Stainless Steel
		STD./STND.	Standard
		STL.	Steel
		STOR.	Storage
		STR.	Storm Drain
		S.D.S.T.	Self-Drilling Self-Tapping
		S.F.	Square Feet
		STRUC.T.	Structural
		SUSP.	Suspended
		SYM.	Symbol
		TB.	Taskboard
		TEL./TELE.	Telephone
		T.V.	Television
		T.CLR.	Tempered Clear
		T.L.T.	Tempered Low Transmission
		THK.	Thick
		THRES.	Threshold
		THRU.	Through
		T.	Toilet
		T&G.	Tongue & Groove
		T.O.	Top
		T.O.C.	Top of Curb
		T.O.P.	Top of Pavement
		T.O.W.	Top of Wall/Top of Walk
		T.S.	Tube Steel
		TYP.	Typical
		U.O.N.	Unless Otherwise Noted
		VERT.	Vertical
		V.G.D.F.	Vertical Grain Douglas Fir
		V.W.C.	Vinyl Wall Covering
		W.SCT.	Wainscot
		W.C.	Water Closet
		W.H.	Water Heater
		WT.	Weight
		W.W.M.	Welded Wire Mesh
		W.	West/With
		W.D.W.	Window
		W.G.	Wire Glass
		W/O.	Without
		W.D.	Wood
		YD.	Yard
		Y.D.	Yard Drain



SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Architect:

Rainforth Grau Architects
2101 Capitol Avenue, Suite 100
Sacramento, CA 95816
916.368.7990

Owner:

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
5737 47TH AVENUE
SACRAMENTO, CA 95824
916.643.7400

Contact: VIPUL SAFI

Contact: MIKE TAXARA

Consultants:

CIVIL ENGINEER:
WARREN CONSULTING ENGINEERS
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
916.985.1870
ATTN: ANTHONY TASSANO

ELECTRICAL ENGINEER:
PETERS ENGINEERING
7750 COLLEGE TOWN DRIVE, SUITE 101
SACRAMENTO, CA 95826
916.447.2841
ATTN: GINO ROMANO

Project Information:

SITE LOCATION
5420 LOWELL STREET
SACRAMENTO, CA 95820

Project Scope:

INSTALLATION OF (1) 30' X 64' PC SHADE STRUCTURE AND RELATED CONCRETE PAD, UPGRADES TO ACCESSIBLE PATH OF TRAVEL, PARKING AND RESTROOMS, RELATED SITE AND ELECTRICAL WORK.

SCHEDULE OF ALTERNATES:

ALTERNATE NO. 1: CRACK REPAIR, SEAL COAT AND RESTRIPING
A. The contractor is responsible for determining the extent of crack repair at (e) hardout. Place 2 coats of seal coat on existing paving. Seal coat to be provided over entirety of (e) hardout. The contractor is responsible for verifying (e) stripping condition and verifying exact layout to be restriped with District.

FIRE SAFETY: THE CONTRACTOR SHALL COMPLY WITH CFC CH 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

Sheet Index

- GENERAL
A0.1 COVER SHEET
A0.2 TYPICAL MOUNTING HEIGHTS AND DETAILS
A0.7 LOCAL FIRE AUTHORITY SITE PLAN

- CIVIL
C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
C1.1 DEMOLITION PLAN
C2.1 GRADING AND PAVING PLAN
C3.1 DETAILS AND SECTIONS

ARCHITECTURAL

- A1.1.0 SITE PLAN AND CODE INFORMATION
A1.1.1 PARTIAL SITE PLANS AND DETAILS
A2.1.1 TOILET ROOM DEMOLITION AND IMPROVEMENT PLANS AND INTERIOR ELEVATIONS

ELECTRICAL

- E0.1 SYMBOLS, NOTES
E1.1 SITE PLAN - ELECTRICAL
E2.1 ONE LINE DIAGRAM
E3.1 DETAILS
TOTAL SHEET COUNT: 14

Applicable Codes:

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:

- TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- TITLE 24, CCR, PART 1, 2019 CALIFORNIA ADMINISTRATIVE CODE
- TITLE 24, CCR, PART 2, 2019 CALIFORNIA BUILDING CODE, VOL. 1 & 2
- TITLE 24, CCR, PART 3, 2019 CALIFORNIA ELECTRICAL CODE
- TITLE 24, CCR, PART 4, 2019 CALIFORNIA MECHANICAL CODE
- TITLE 24, CCR, PART 5, 2019 CALIFORNIA PLUMBING CODE
- TITLE 24, CCR, PART 6, 2019 CALIFORNIA ENERGY CODE
- TITLE 24, CCR, PART 9, 2019 CALIFORNIA FIRE CODE
- TITLE 24, CCR, PART 10, 2019 CALIFORNIA EXISTING BUILDING CODE
- TITLE 24, CCR, PART 11, 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
- TITLE 24, CCR, PART 12, 2019 CALIFORNIA REFERENCED STANDARDS CODE

NFPA 13, 2016 EDITION, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDMENTS)
NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDMENTS)

UL 464, 2003 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES

UL 521, 7TH EDITION, 1999 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS

THE CONTRACTOR SHALL KEEP TITLE 24, CCR, PARTS 1-5 ON THE BUILDING SITE AT ALL TIMES.

DSA Procedures:

1. ADDENDA MUST BE STAMPED AND SIGNED BY THE ARCHITECT OF RECORD AND APPROVED BY DSA IN ACCORDANCE WITH CCR TITLE 24, PART 1.
2. THE CONTRACTOR SHALL BE FAMILIAR WITH AND PERFORM THE DUTIES IN ACCORDANCE WITH DSA PROCEDURE 13-01, CONSTRUCTION OVERSIGHT PROCESS.
3. CHANGES TO THE STRUCTURAL, ACCESSIBILITY, OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN TITLE 24, PART 1, 4-338 AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN ACCORDANCE WITH DSA IR A-6.
4. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS WILL BE CONSIDERED AS CHANGES TO THE APPROVED PLANS AND/OR SPECIFICATIONS. THEY ARE TO BE TREATED AS CONSTRUCTION CHANGE DOCUMENTS AND WILL REQUIRE DSA'S APPROVAL PRIOR TO FABRICATION AND INSTALLATION IN ACCORDANCE WITH TITLE 24, PART 1, 4-338 AND DSA IR A-6.
5. THE CLASS 2 PROJECT INSPECTOR MUST BE EMPLOYED BY THE OWNER AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER, AND DSA IN ACCORDANCE WITH TITLE 24, PART 1, 4-341.
6. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CDB IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, A CHANGE CONSTRUCTION DOCUMENT OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
7. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA.
8. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
9. 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 SEPARATED 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).
10. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

Deferred Approval:

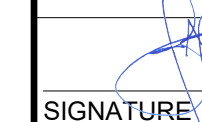
- PC SHADE STRUCTURE

Statement of General Conformance

THE FOLLOWING DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

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

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

SIGNATURE:  DATE: 4/18/22

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE
Jeffrey Grau

PRINT NAME: Jeffrey Grau
LICENSE NUMBER: C-14648 EXPIRATION DATE: 05/31/23

LIST COMPLETELY, ITEMS REVIEWED AND ACCEPTED:

CIVIL, ELECTRICAL

Vicinity Map:

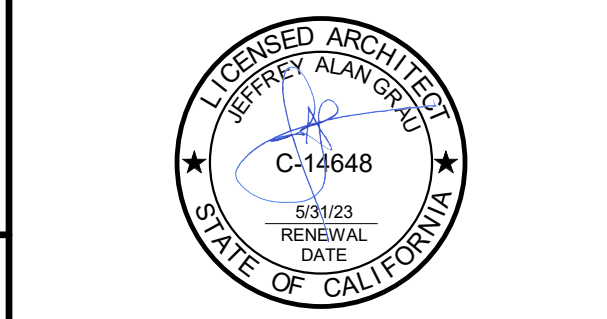
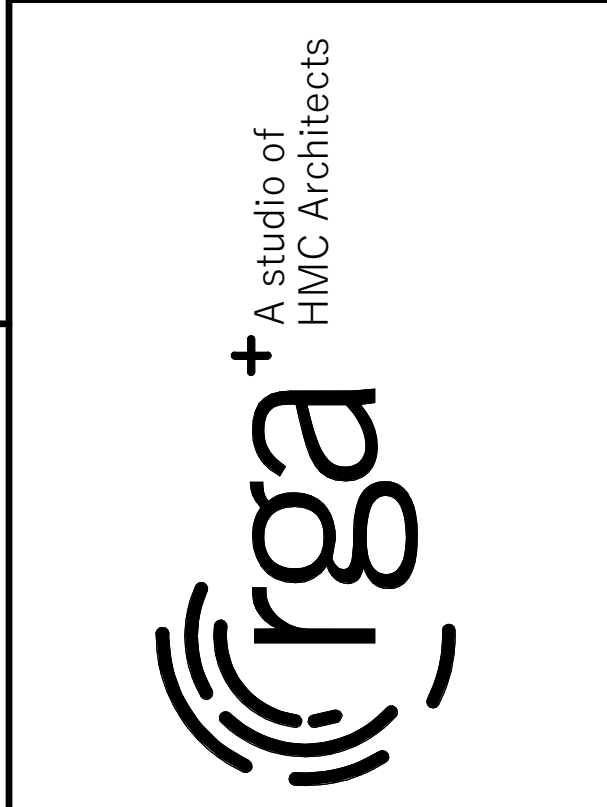
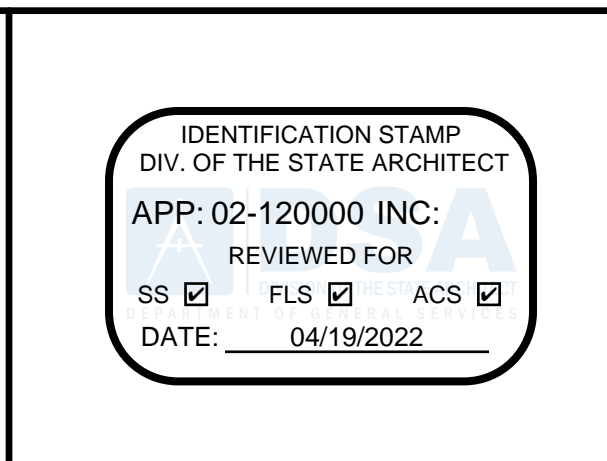


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COVER SHEET

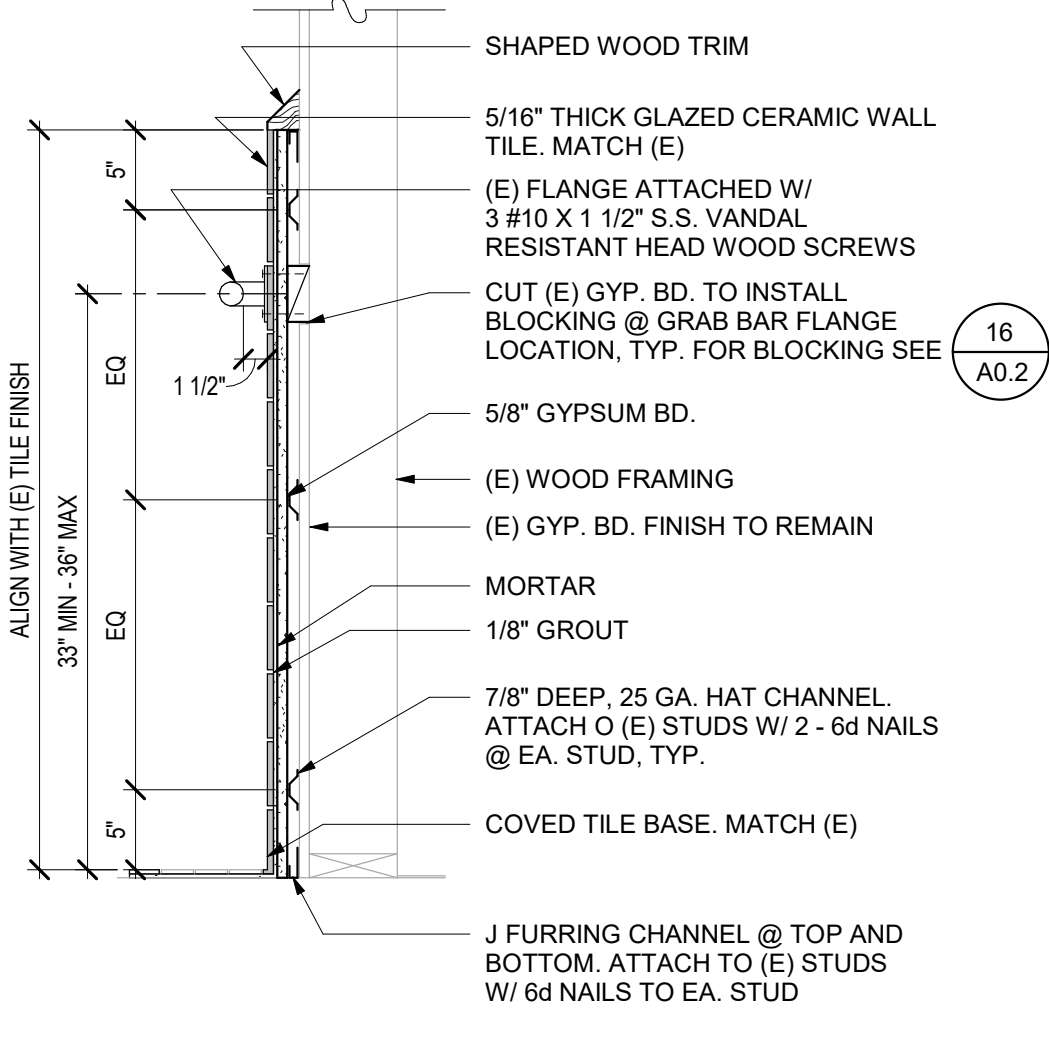
PROJECT NO. 1504.13
DATE: 3/22/2022
SHEET **A0.1**

Attachment AD0A.22

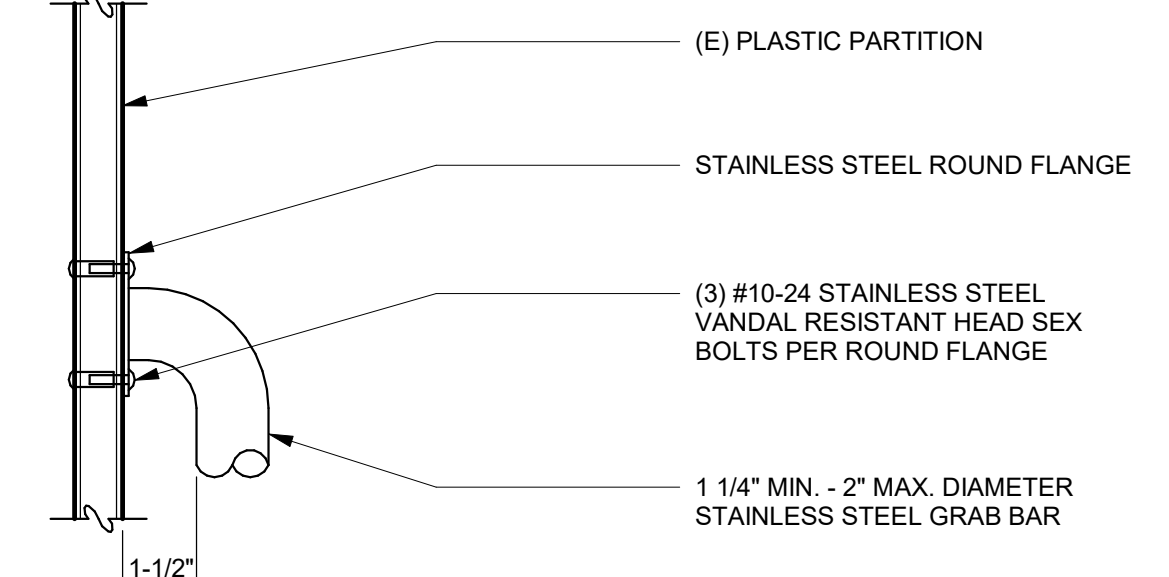


SHADE STRUCTURE AT EARL WARREN
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

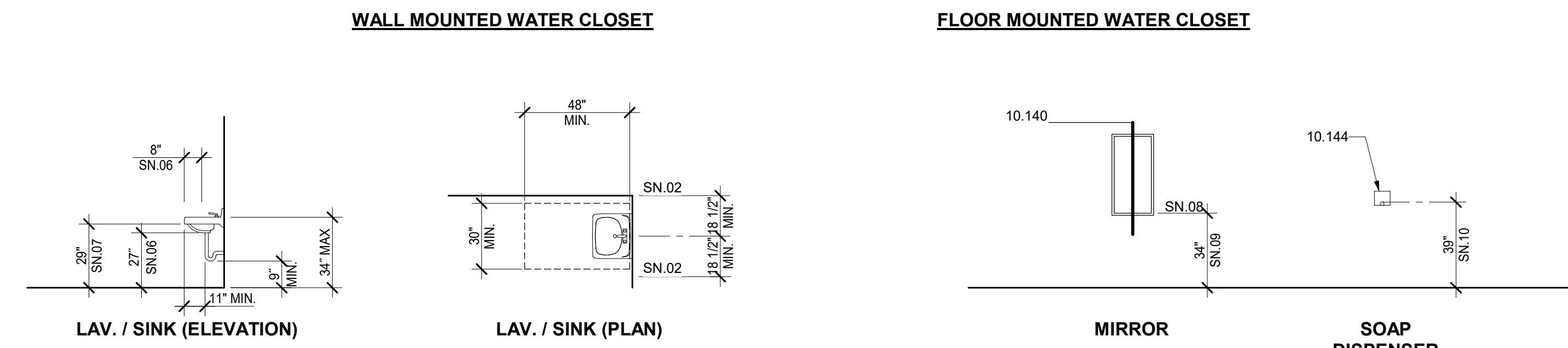
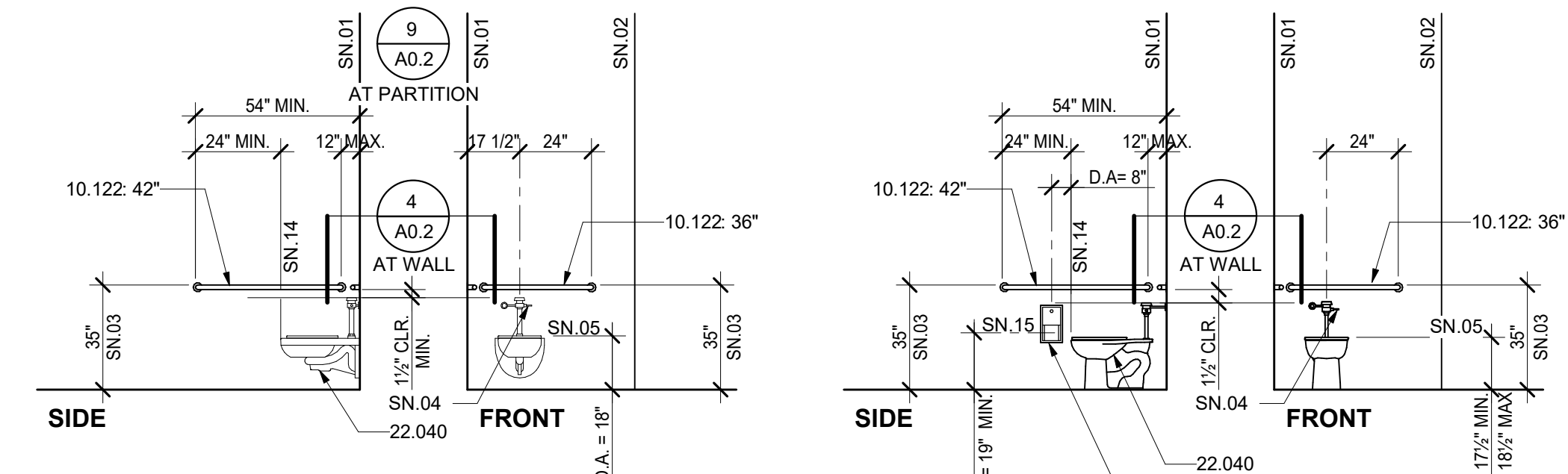
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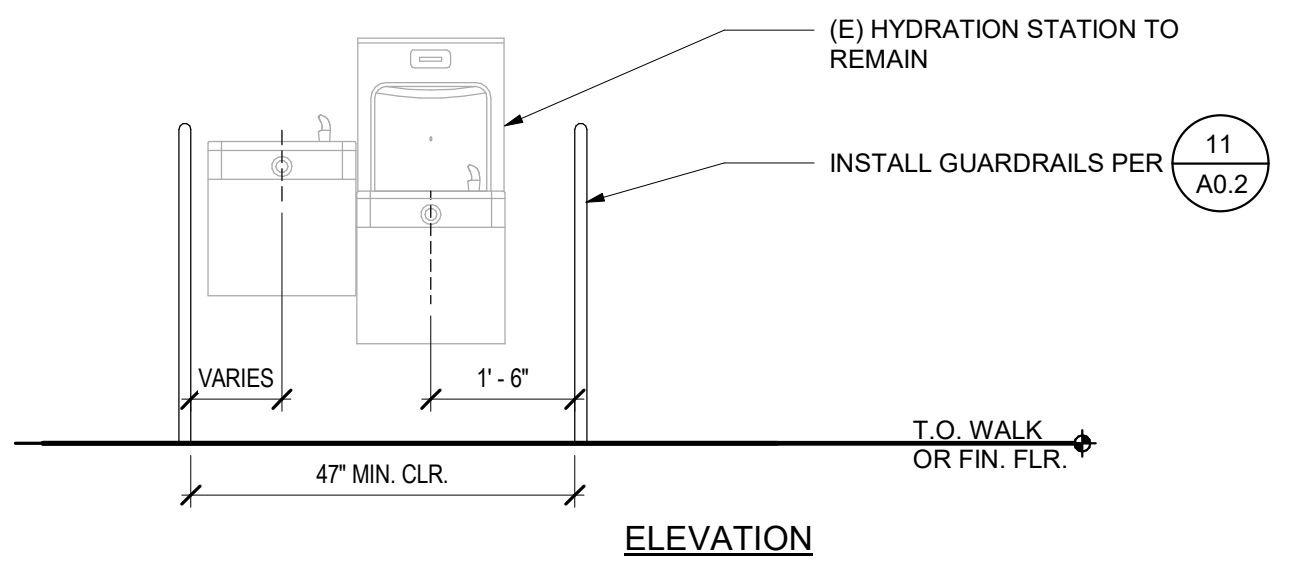
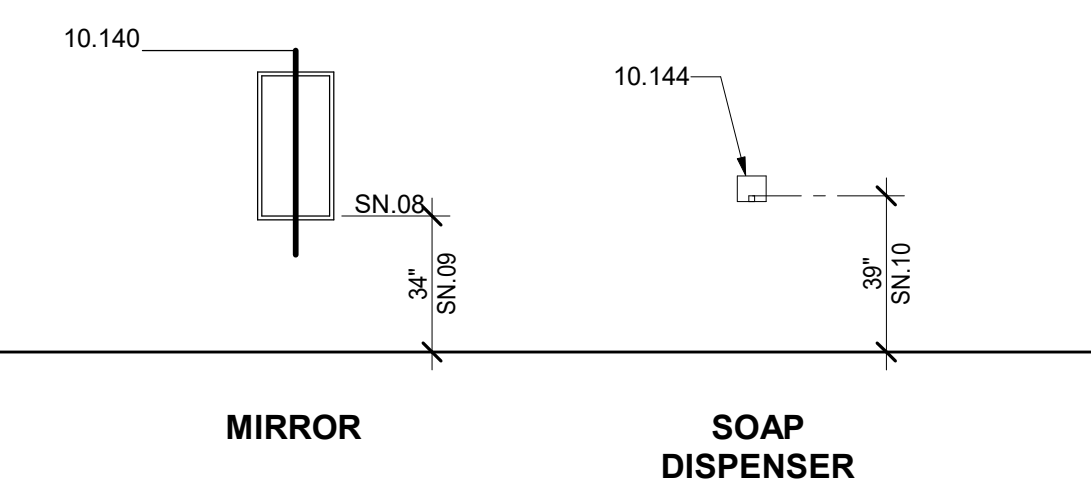
13 WALL FURRING DETAIL
1" = 1'-0"



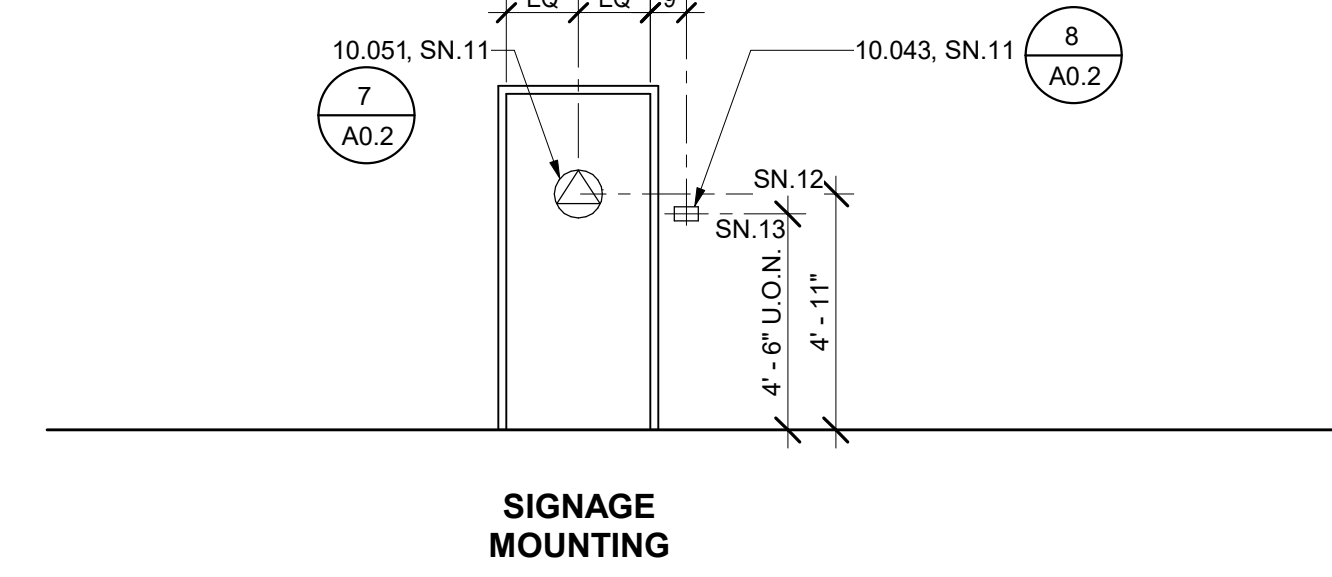
9 TYPICAL GRAB BAR AT PARTITIONS
3" = 1'-0"



FIXTURE AND ACCESSORY HEIGHTS

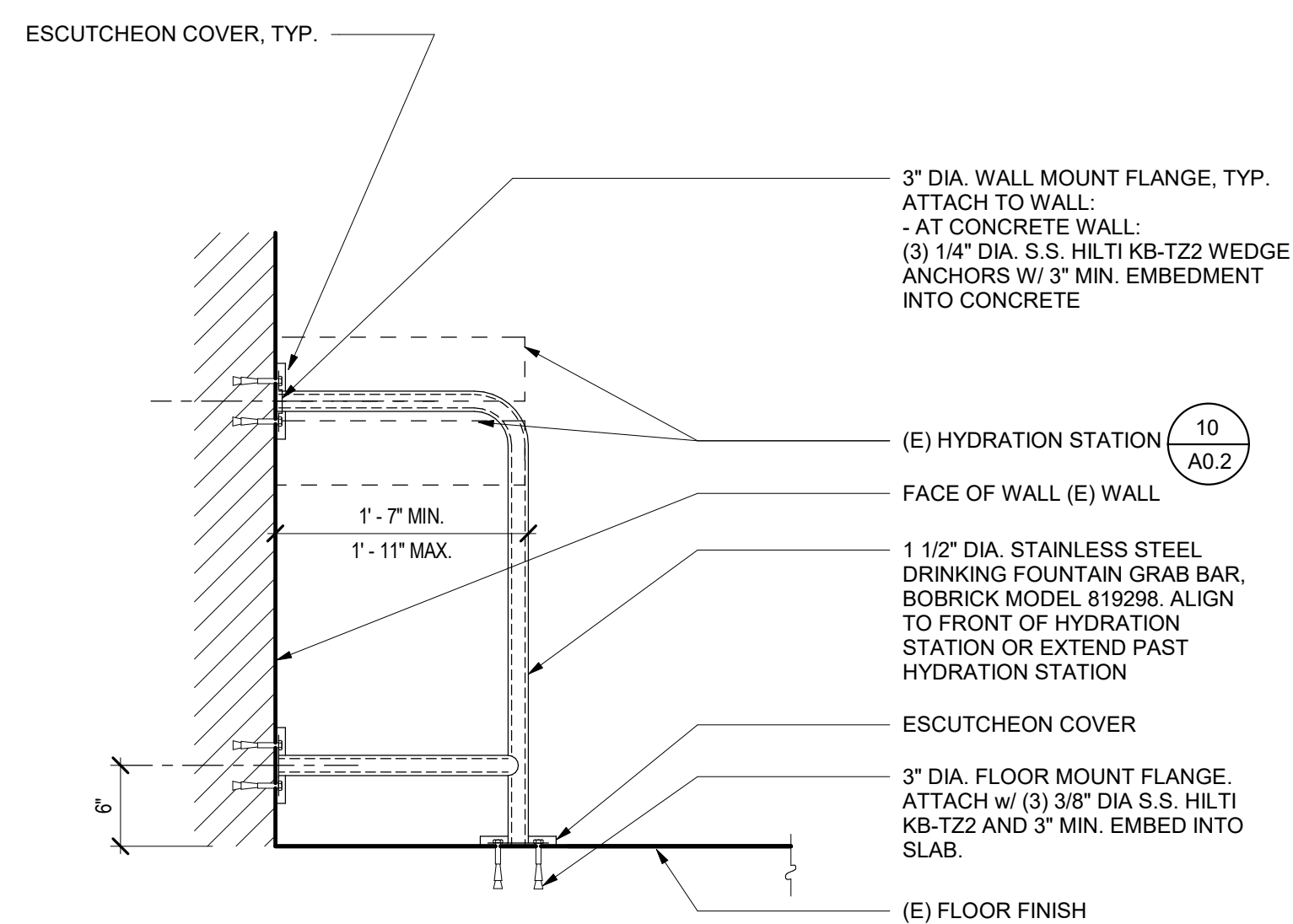


10 (E) HYDRATION STATION
1/2" = 1'-0"

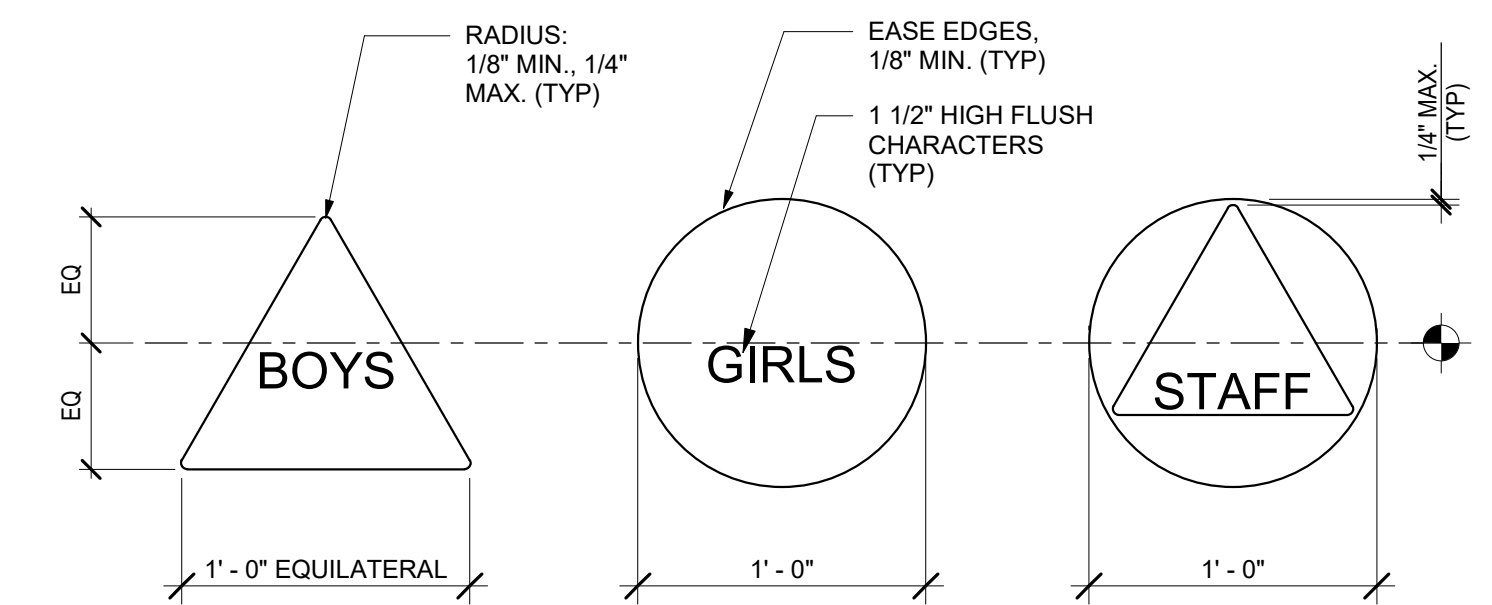


FURNITURE EQUIPMENT HEIGHTS

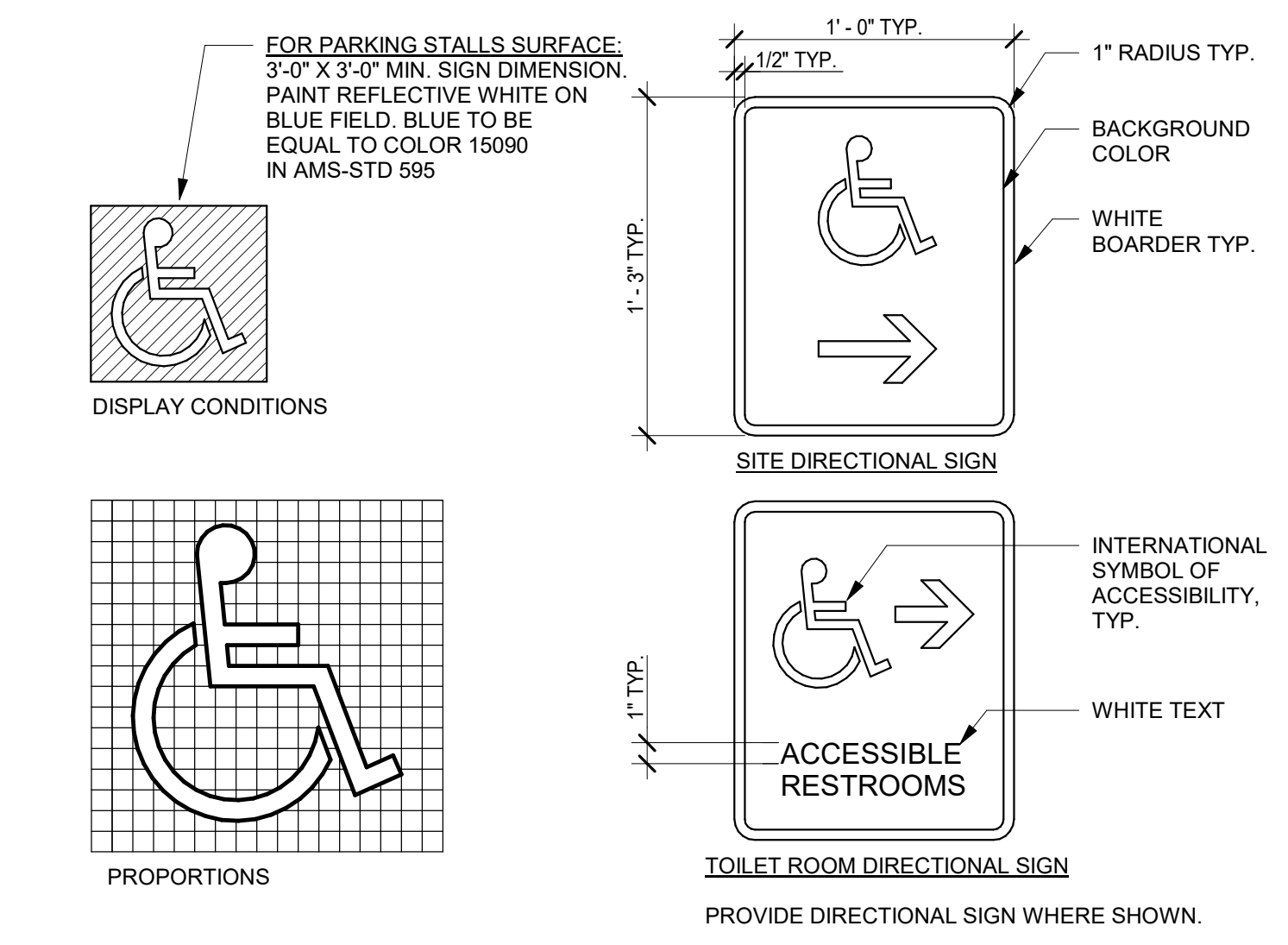
6 TYPICAL MOUNTING HEIGHTS AND DETAILS
1/4" = 1'-0"



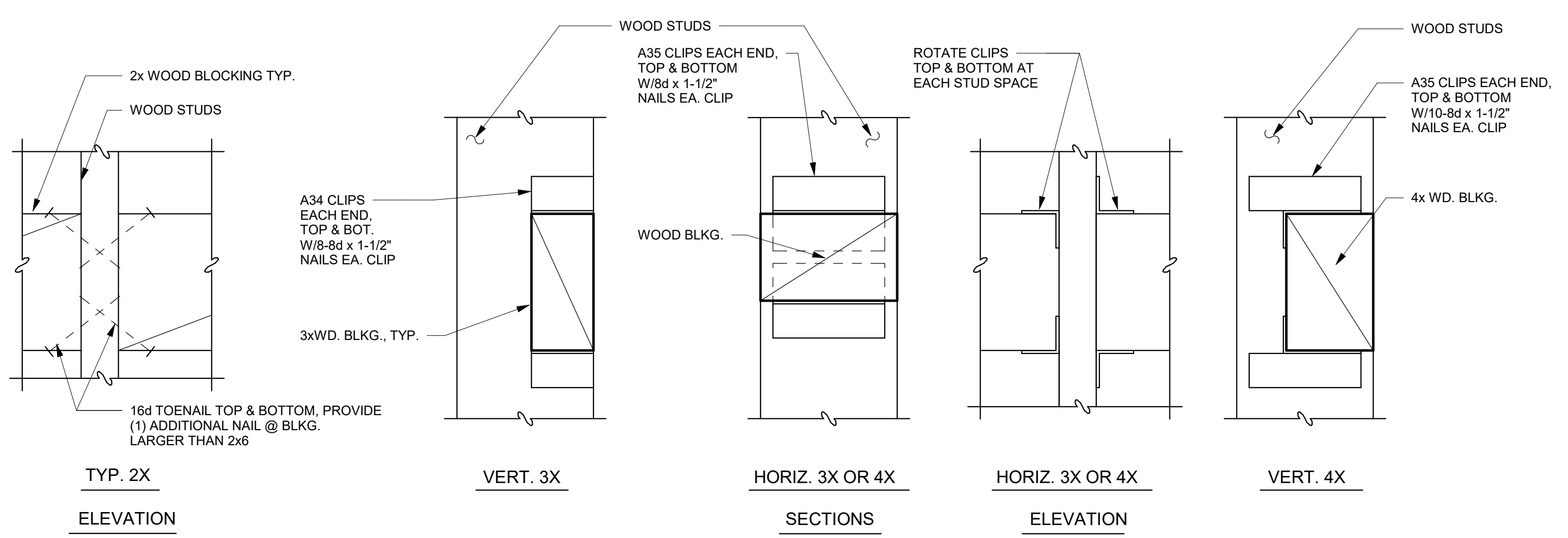
11 HYDRATION STATION GUARDRAIL
1" = 1'-0"



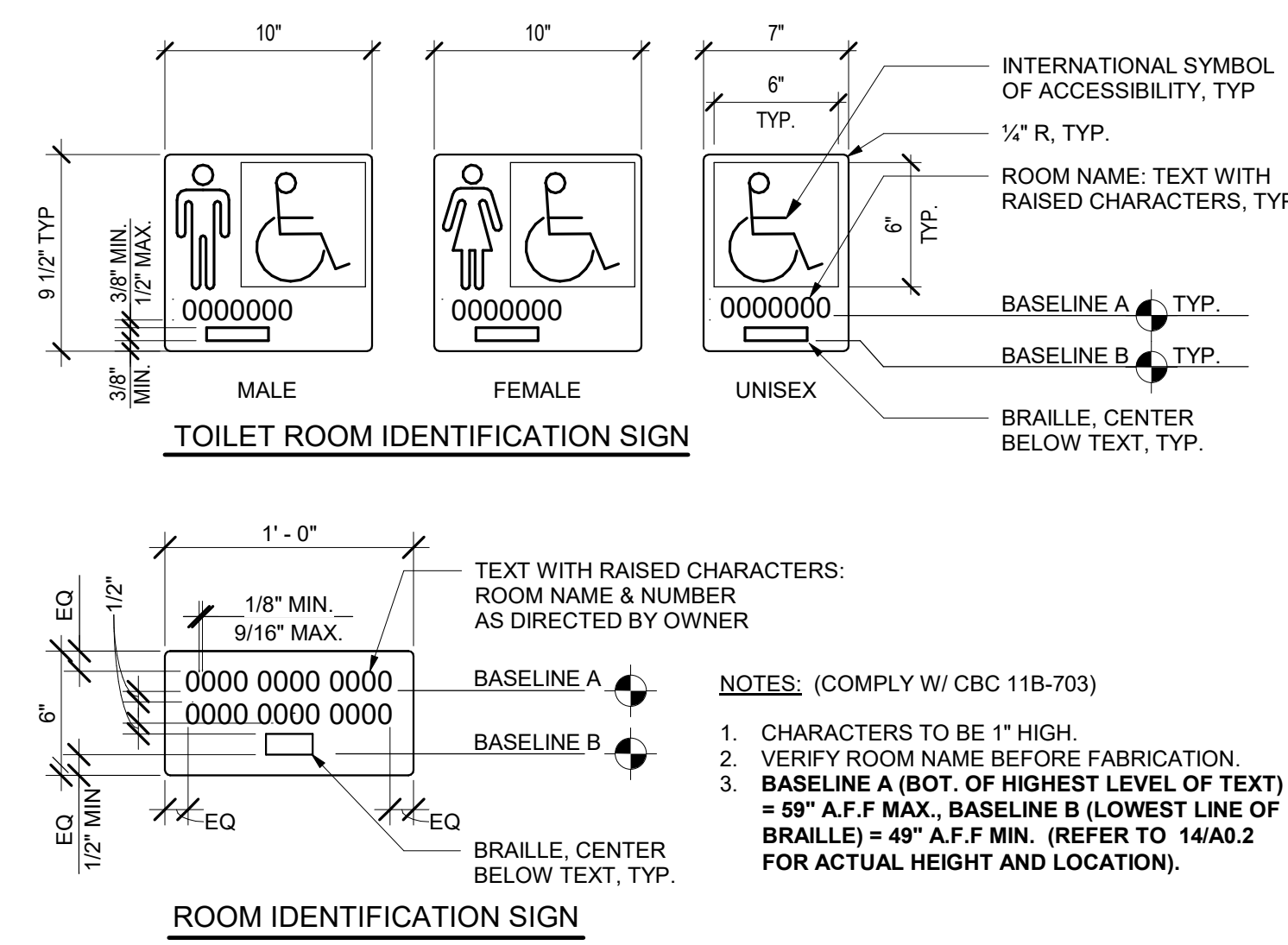
7 TOILET ROOM DOOR SYMBOLS
1 1/2" = 1'-0"



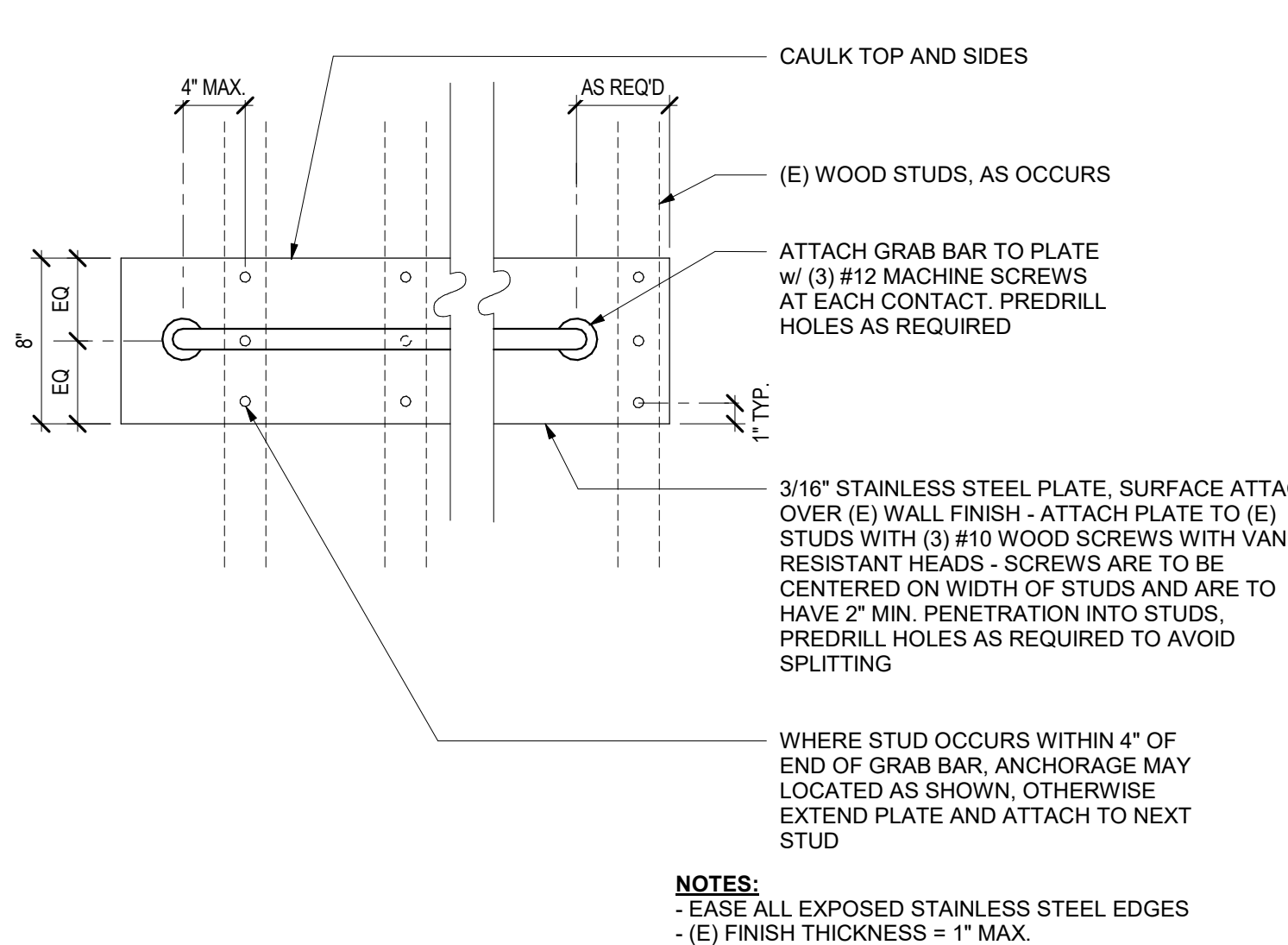
3 SYMBOL OF ACCESSIBILITY
NOT TO SCALE



16 TYPICAL WOOD BLOCKING
3" = 1'-0"



8 IDENTIFICATION SIGNS
1 1/2" = 1'-0"



4 GRAB BAR - STAINLESS STEEL PLATE
1 1/2" = 1'-0"

GENERAL NOTES

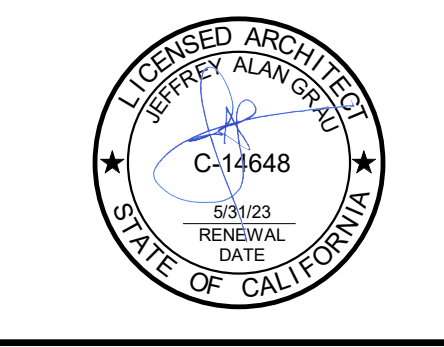
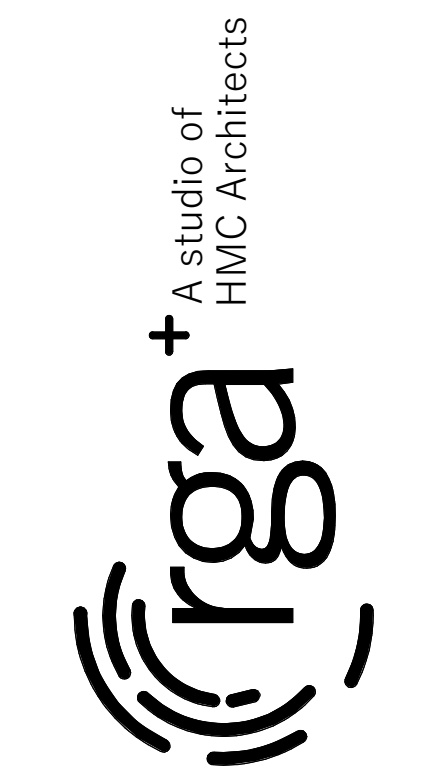
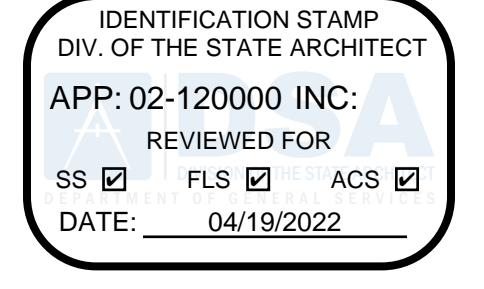
1. TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO ENTIRE PROJECT, WHETHER REFERENCED OR NOT, UNLESS OTHERWISE NOTED.
2. ALL DISABLED ACCESSIBLE DIMENSIONS, ARE MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
3. HEIGHTS ARE MEASURED FROM FINISH FLOOR, UNLESS OTHERWISE NOTED.

SHEET NOTES

- SN.01 TO FACE OF FINISH
SN.02 FACE OF OBJECTS OR WALLS
SN.03 TOP OF GRAB BAR
SN.04 AT ACCESSIBLE WATER CLOSETS, FLUSH CONTROL HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET ENCLOSURE
SN.05 TOP OF SEAT
SN.06 MINIMUM KNEE CLEARANCE
SN.07 MINIMUM APRON CLEARANCE
SN.08 BOTTOM EDGE OF REFLECTIVE SURFACE
SN.09 34\"/>

KEYNOTES

- 10.043 SIGNAGE: TOILET ROOM IDENTIFICATION
10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL
10.122 TOILET ACCESSORY: GRAB BAR
10.140 TOILET ACCESSORY: MIRROR
10.144 TOILET ACCESSORY: SOAP DISPENSER
10.145 TOILET ACCESSORY: TOILET PAPER DISPENSER
22.040 WATER CLOSET



SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

TYPICAL MOUNTING HEIGHTS AND DETAILS

PROJECT NO. 1504.13
DATE: 3/22/2022
SHEET **A0.2**

DSA-810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION
 School District: SACRAMENTO UNIFIED SCHOOL DISTRICT
 Project name / school: EARL WARREN SHADE STRUCTURE
 Project address: 5420 LOWELL STREET, SACRAMENTO, CA 95820

FIRE & LIFE SAFETY INFORMATION	ALTERNATE ACCEPTED		
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data)	Yes	No	X
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes	No	X
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes	No	X
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps			
	Moderate	High	Very High
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A)			
			WIFA

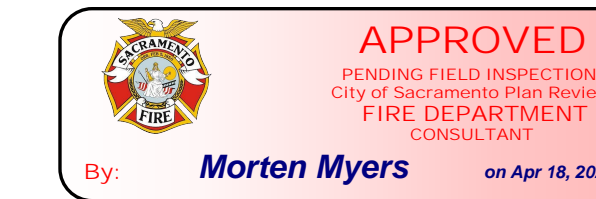
CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements				X
4a. Acceptable Alternative: Emergency vehicle and personal access as proposed by the architect is acceptable for providing fire suppression and protection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

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

Accepted by: Chris Ralston, Director III, Facilities
 Signature: [Signature] Date: 4/12/2022

LOCAL FIRE AUTHORITY (LFA) INFORMATION
 LFA Agency Name: Sacramento Fire Department
 LFA Review Official: Jason Lee
 Title: Fire Marshal Work Phone: 916.808.1620
 Work Email: jalee@sfd.ci.yofasacramento.org
 LFA Reviewer's Signature: [Signature] Date: 4.18.2022

Fire Hydrants are approved as shown. In specific with the fire hydrant shown within 40' of the proposed shade structure as allowed by NFPA 24: 7.2.4, when approved by the AHJ.



LEGEND

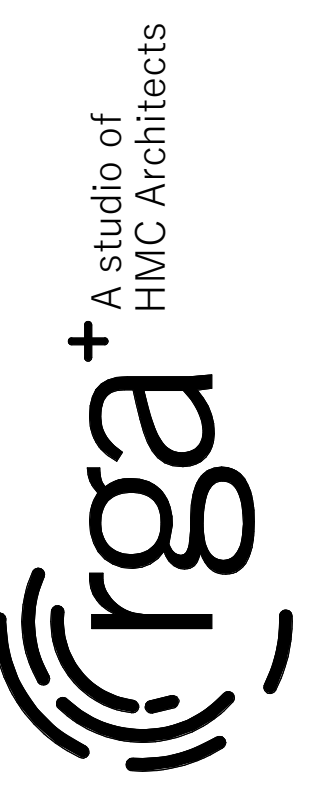
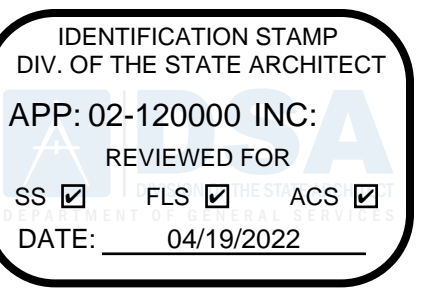
- PROPERTY LINE
- [Symbol] UNIT DESIGNATION SHADE STRUCTURE
- [Symbol] UNIT DESIGNATION EXISTING BUILDINGS
- [Symbol] CONCRETE WALK / PAVING
- [Symbol] ASPHALT CONCRETE PAVING
- [Symbol] (E) EMERGENCY ACCESS LANE
- [Symbol] (E) CHAIN LINK FENCE
- [Symbol] (E) FIRE HYDRANT (NTS)

SHEET NOTES

- SN.01 (E) FIRE HYDRANT
- SN.02 (E) PR - 10' - 0" WIDE GATES WITH KNOX LOCK BOX
- SN.03 (E) EXTERIOR FIRE ALARM NOTIFICATION APPLIANCE

BUILDING DESIGNATIONS

- UNIT A - ADMINISTRATION AND MULTIPURPOSE
- UNIT B - CLASSROOMS
- UNIT C - CLASSROOMS
- UNIT D - CLASSROOMS
- UNIT E - CLASSROOMS
- UNIT F - CLASSROOMS
- UNIT G - CLASSROOMS
- UNIT H - CLASSROOMS
- UNITS - CLASSROOMS J1-J5
- UNITS - CLASSROOMS K1-K3



SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Revision

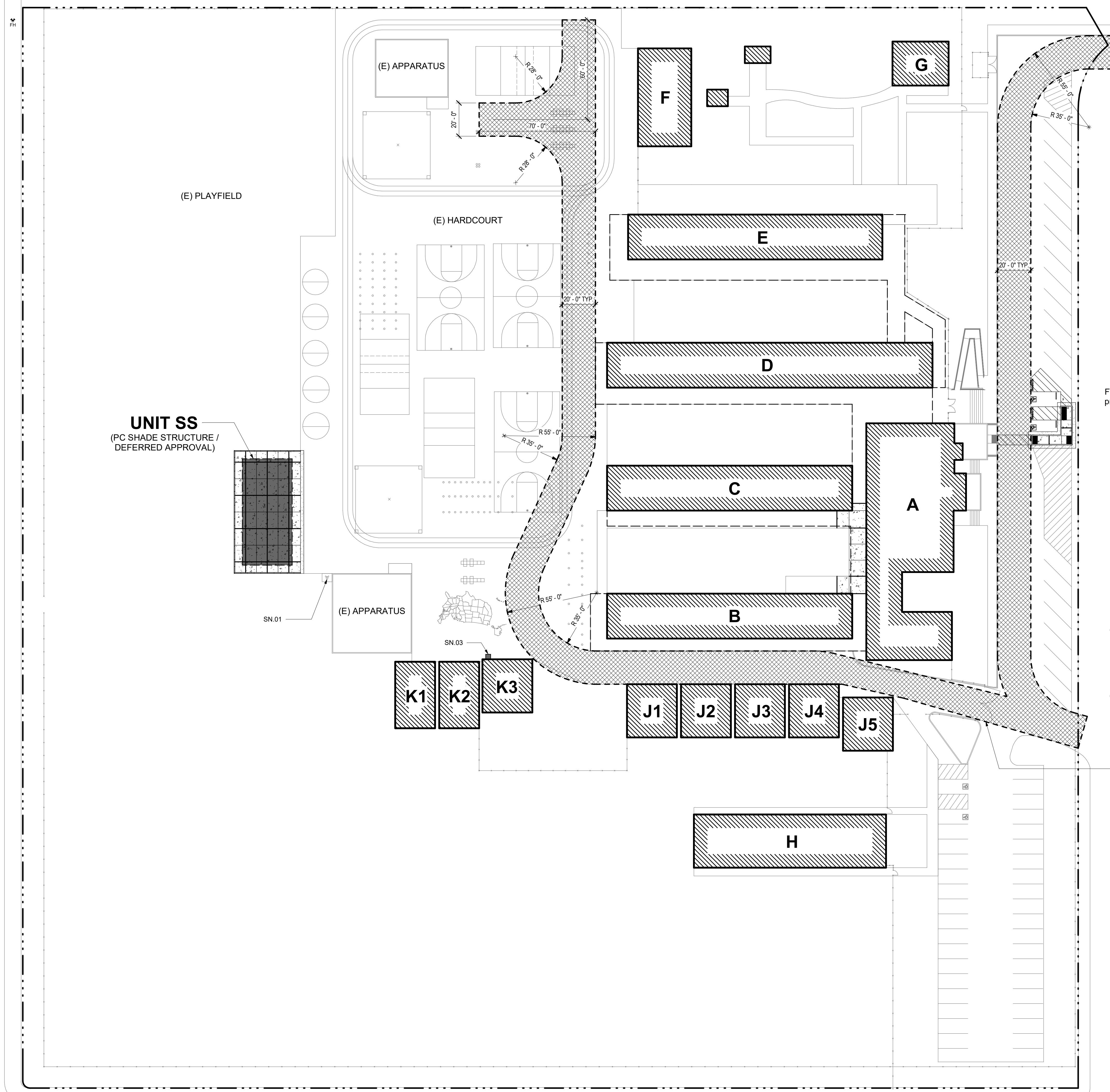
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LOCAL FIRE AUTHORITY SITE PLAN

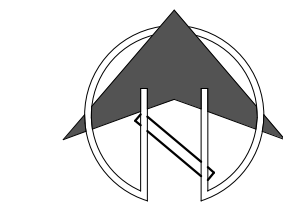
SEE OTHER SHEETS FOR CONSTRUCTION
 THIS PLAN INCLUDES INFORMATION FOR LOCAL FIRE AUTHORITY APPROVAL ONLY. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION DETAILS.

PROJECT NO. 1504.13
 DATE: 3/22/2022
 SHEET

A0.7



1 LOCAL FIRE AUTHORITY SITE PLAN
 1" = 30'-0"



C:\Users\mld\Documents\DSA-810_EarlWarren_Color_Arch.dwg

EXISTING TOPOGRAPHY

- = PROPERTY LINE
- - - = CENTERLINE
- - - = EASEMENT
- ⊙ = PROPERTY CORNER FOUND AS NOTED
- ⊙ = PROPERTY CORNER NOTHING FOUND OR SET
- △123 = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- 100 = SLOPE
- 100 = CONTOUR
- ▨ = CONCRETE SURFACE
- ▨ = EDGE OF ASPHALT
- ▨ = EDGE OF BUILDING
- ⊥ = SIGN
- = POST OR BOLLARD
- 99.99 = GROUND ELEVATION
- 99.99 = 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)
- ⊙ = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- AD = AREA DRAIN
- HDPE = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- ⊙ = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- W = WATER LINE (SIZE INDICATED)
- W = WATER LINE (RECORD INFORMATION)
- W = WATER LINE (UNDERGROUND LOCATING)
- ⊙ = WATER MANHOLE
- = WATER VALVE
- ⊙ = WATER METER
- = WATER BOX
- = IRRIGATION CONTROL VALVE
- ⊙ = FIRE HYDRANT
- ▨ = BACKFLOW PREVENTER
- ⊙ = SPRINKLER
- ⊙ = HOSE BIBB
- OH-E = OVERHEAD ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ⊙ = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- ⊙ = ELECTRIC METER
- ⊙ = ELECTRIC BOX
- ⊙ = STREET LIGHTING BOX
- ⊙ OR ⊙ = LIGHT STANDARD
- ⊙ = SIGNAL LIGHT
- ⊙ = FLOOD LIGHT
- ⊙ = ELECTRICAL OUTLET
- G = GAS LINE (SIZE INDICATED)
- G = GAS LINE (RECORD INFORMATION)
- G = GAS LINE (UNDERGROUND LOCATING)
- ⊙ = GAS MANHOLE
- ⊙ = GAS VALVE
- ⊙ = GAS METER
- T = TELEPHONE LINE
- T = TELEPHONE LINE (RECORD INFORMATION)
- T = TELEPHONE LINE (UNDERGROUND LOCATING)
- ⊙ = STORM DRAIN BOX
- ⊙ = TRAFFIC SIGNAL BOX

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEV
2	CPS CHISELED	5219.36	5000.00	35.91
3	CPS CHISELED	4997.13	4917.27	39.94
4	CPS CHISELED	4936.01	4916.89	40.03
7	CPS MAGNAIL	4833.42	4880.14	39.53
12	CPS CHISELED	5602.74	5333.28	33.89
15	CPS PK+WASHER	4827.07	5034.29	35.07
16	CPS CHISELED	4858.53	4759.47	39.95
17	CPS PK+WASHER	5000.79	5026.55	35.42
18	CPS CHISELED	5008.76	4756.93	40.04
19	CPS CHISELED	4934.01	4760.33	39.93
20	CPS CHISELED	5083.12	4770.18	39.94
21	CPS CHISELED	5154.79	4781.83	39.91
22	CPS CHISELED	5185.35	4662.12	40.62

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 RELIEF VALVE
 - ASB AGGREGATE SUB-BASE
 - BO BLOW-OFF VALVE
 - BV BUTTERFLY VALVE
 - BW BACK OF WALK
 - C/L CENTERLINE
 - CB CATCH BASIN
 - CL CLASS
 - CM CORRUGATED METAL PIPE
 - CMTV CABLE TELEVISION
 - CO CLEANOUT
 - COMM COMMUNICATION
 - CMC 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
 - EW EASEMENT
 - 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
 - GR GRATE ELEVATION
 - GRD GRATE ELEVATION
 - GV GATE VALVE
 - HB HOSE BIBB
 - HBD HEADER BOARD
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - HP HIGH POINT
 - NW PIPE INVERT ELEVATION
 - JP JOINT UTILITY POLE
 - LF LINEAL FEET
 - LIP LIP OF GUTTER
 - LT LEFT
 - MS MOWSTRIP
 - NTS NOT TO SCALE
 - OH OVERHEAD
 - CH PORTLAND CEMENT CONCRETE
 - PD PLANTER DRAIN
 - PV POST INDICATOR VALVE
 - PL PROPERTY LINE
 - PP POWER POLE
 - PUE PUBLIC UTILITY EASEMENT
 - PVC POLYVINYL CHLORIDE
 - RCP REINFORCED CONCRETE PIPE
 - R RADIUS
 - MANHOLE RIM ELEVATION (SOLID COVER)
 - RP REDUCED PRESSURE BACKFLOW PREVENTER
 - STD STANDARD
 - SCH SCHEDULE
 - SD STORM DRAIN
 - SDMH SUBGRADE ELEVATION
 - SS SANITARY SEWER
 - SSMH SANITARY SEWER MANHOLE
 - STD STANDARD
 - S/W SIDEWALK
 - 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
 - UNO UNLESS OTHERWISE NOTED
 - VCP VITRIFIED CLAY PIPE
 - W WATER
 - W/W WITH
 - W/O WITHOUT
 - WV WATER VALVE
- LEGEND**
- NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.
- PROPOSED GRADING & DRAINAGE SYMBOLS:**
- 8" SD 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
 - FF=100.00 FINISHED FLOOR ELEVATION
 - PAD=99.33 BUILDING PAD ELEVATION
 - CONCRETE SIDEWALK
 - GRADED DIRECTION FOR DRAINAGE FLOW
 - SWALE
 - SLOPE
 - TREE TO BE REMOVED
 - RETAINING WALL
- PROPOSED SANITARY SEWER SYMBOLS:**
- 8" SS SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
 - SANITARY SEWER MANHOLE (SSMH)
 - SEWER CLEANOUT FLUSHER BRANCH
- PROPOSED WATER SYMBOLS:**
- 8" W WATER LINE & SIZE
 - 8" FS FIRE LINE & SIZE
 - 8" DW DOMESTIC WATER LINE & SIZE
 - 8" RW RECLAIMED WATER LINE & SIZE
 - 8" IRR IRRIGATION SERVICE LINE & SIZE
 - 8" NP NON POTABLE WATER LINE & SIZE
 - 8" SP FIRE SPRINKLER SERVICE LINE & SIZE
 - GATE VALVE
 - WATER METER
 - FIRE HYDRANT ASSEMBLY
 - FIRE DEPARTMENT CONNECTION
 - DETECTOR CHECK VALVE
 - REDUCED PRESSURE BACKFLOW PREVENTER
 - BUTTERFLY VALVE
 - AIR RELEASE VALVE + SIZE
 - BLOW-OFF VALVE + SIZE
 - POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

- 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.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- 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 TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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.
- 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.

UTILITY VERIFICATION NOTE

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.

IRRIGATION DEMOLITION NOTE

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 ROOTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

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, VERTICAL, OR OTHERWISE. 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 ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S 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 PATCH REMAINS FOR PATCH BAG. 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 "TEE" 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 SCREED 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 ADDITIONAL SCREED OR EXPANSION JOINTS 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 CONTRACTION/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 HYDRO SEEDED 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.

GENERAL PAVING SURFACE NOTES:

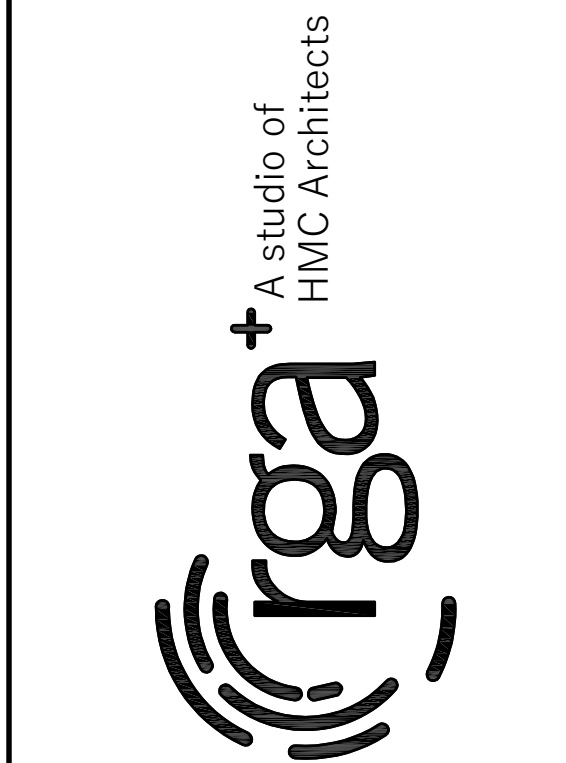
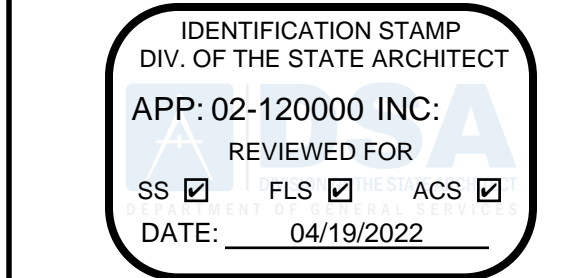
- PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%. TYPICAL PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% UNLESS SPECIFICALLY LABELLED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

CIVIL SHEET INDEX

- C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
- C1.1 DEMOLITION PLAN
- C2.1 GRADING AND PAVING PLAN
- C3.1 DETAILS AND SECTIONS

LANDSCAPE/IRRIGATION NOTE:

GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.



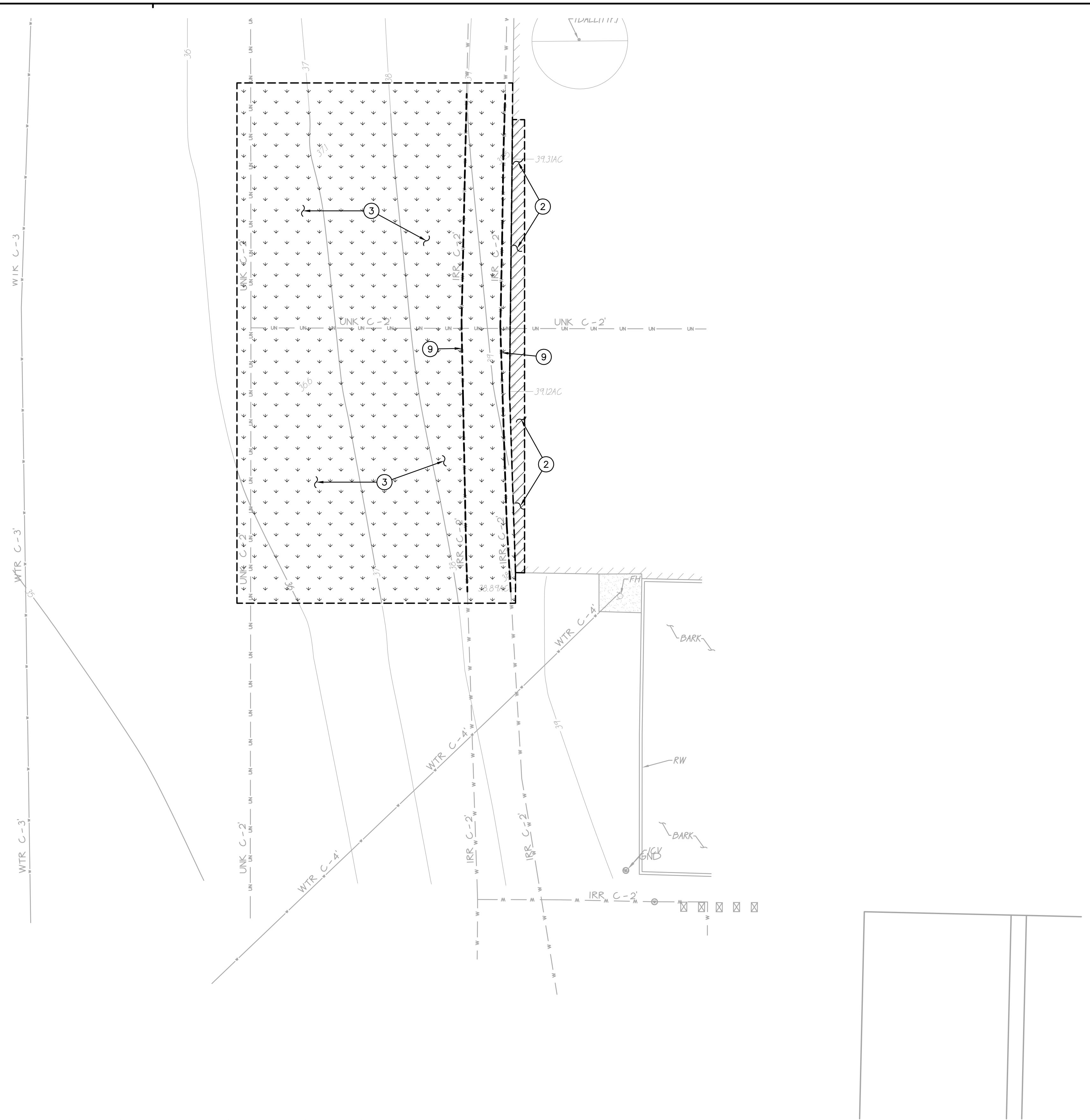
SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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CIVIL GENERAL NOTES AND ABBREVIATIONS

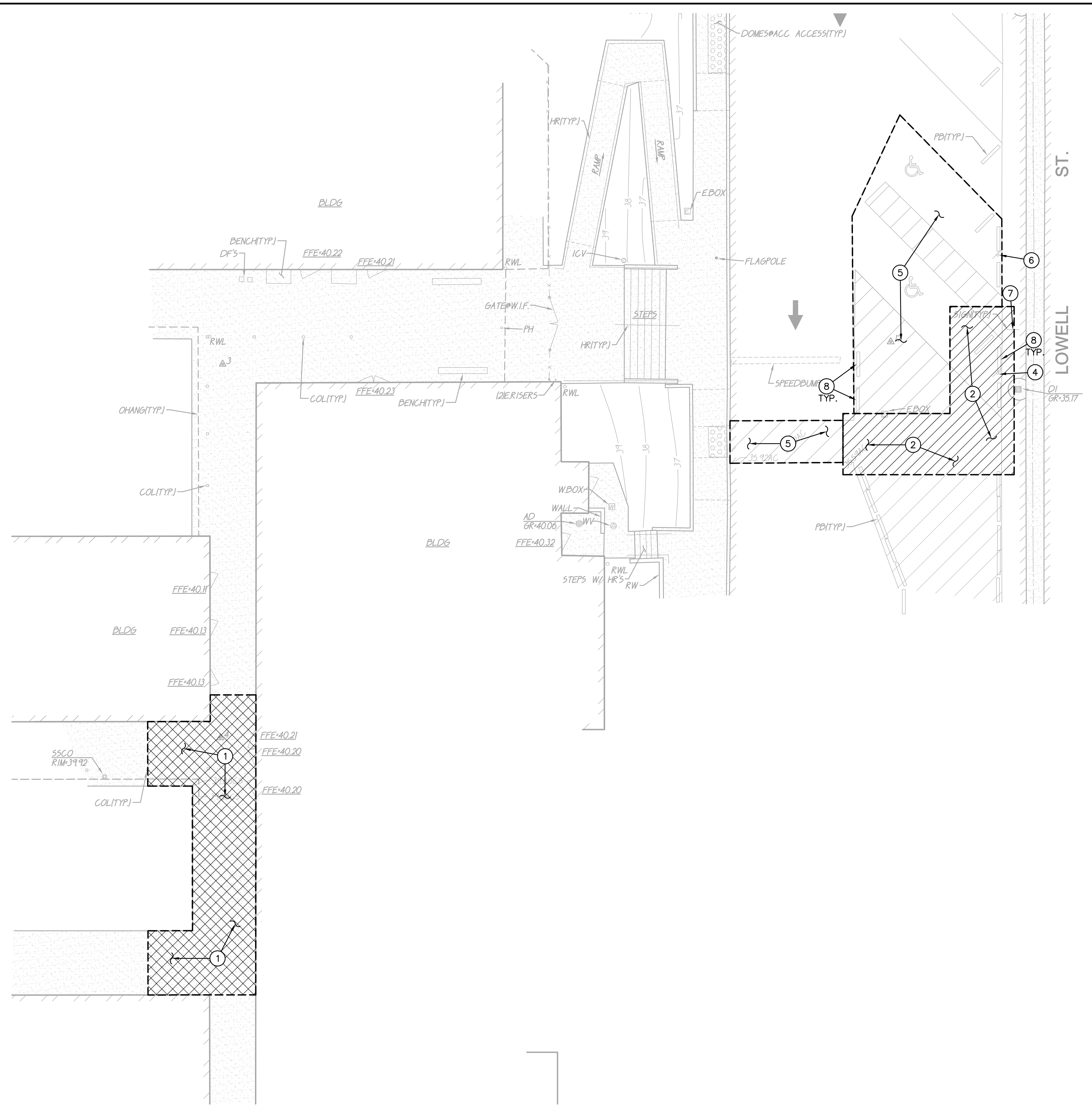
PROJECT NO. 1504.13
DATE: 4/18/2022
SHEET

C0.1



DEMOLITION PLAN - SHADE STRUCTURE

SCALE: 1"=10'



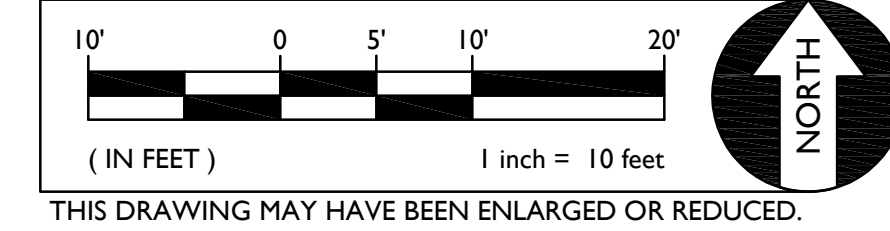
DEMOLITION PLAN - ACCESSIBLE PATH OF TRAVEL

SCALE: 1"=10'

DEMOLITION NOTES

1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
3. 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.
4. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTINGS.
5. BLACK OUT EXISTING STRIPING.
6. CUT POST FLUSH WITH PAVEMENT AND REMOVE. GROUT FILL POST HOLE.
7. EXISTING SIGN TO REMAIN.
8. REMOVE AND SALVAGE EXISTING PARKING BUMPER.
9. REMOVE AND DISPOSE OF EXISTING IRRIGATION PIPE TO EXTENT SHOWN.

GRAPHIC SCALE



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REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA

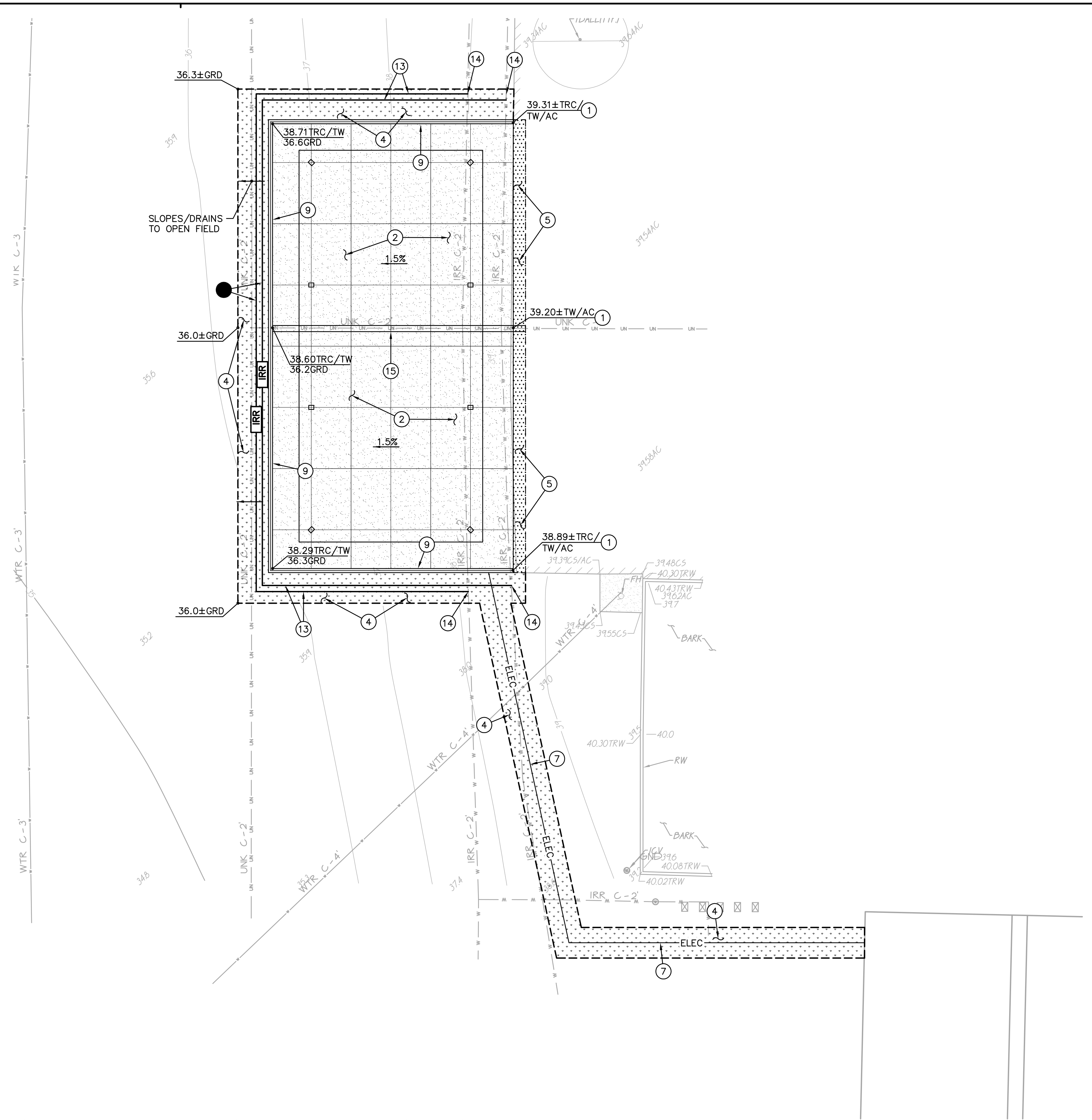
WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

SHADE STRUCTURE AT EARL WARREN
ELEMENTARY SCHOOL
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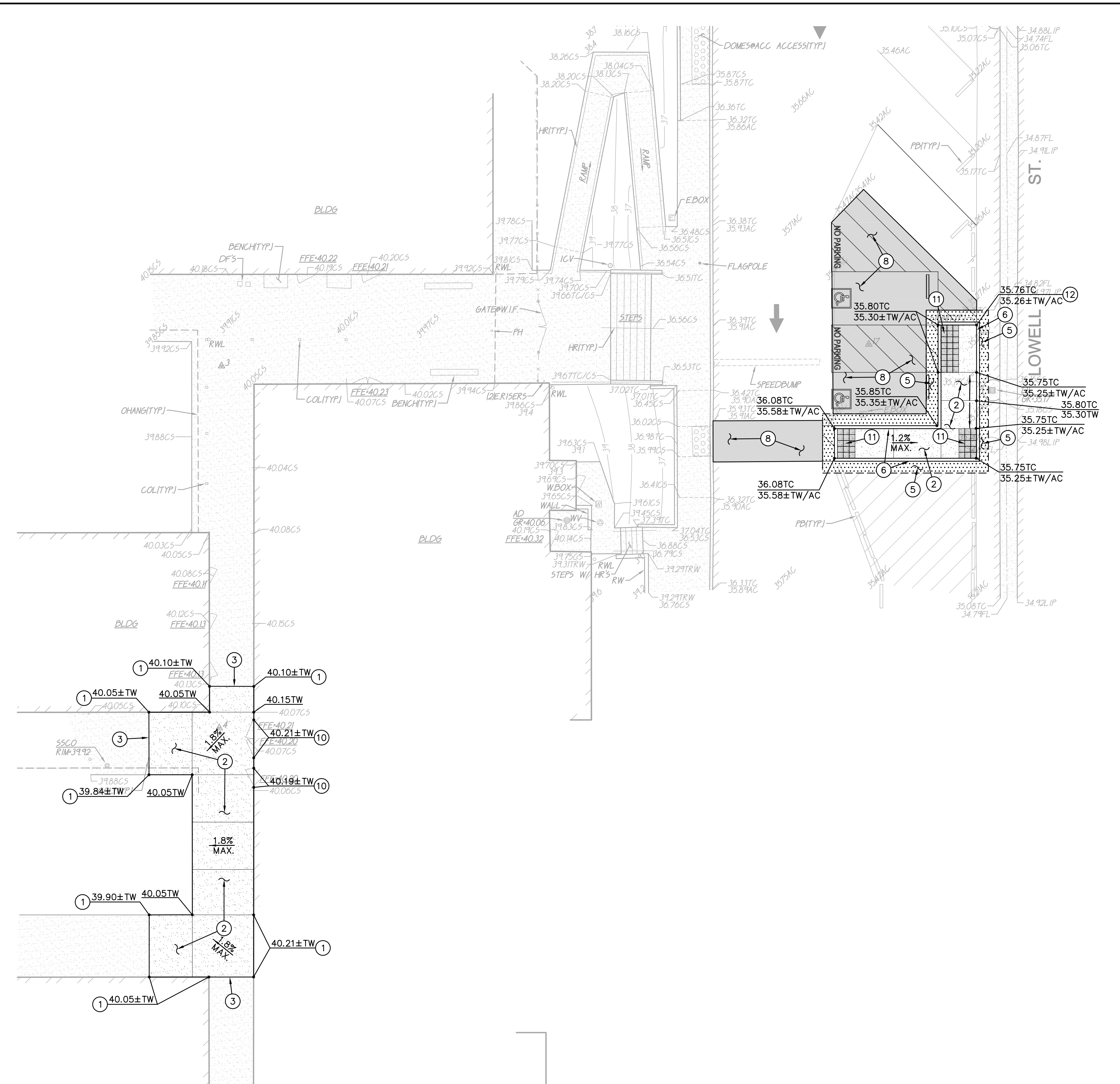
DEMOLITION PLAN

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DATE: 4/18/2022
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GRADING AND PAVING PLAN - SHADE STRUCTURE

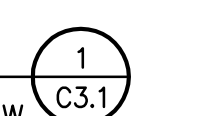

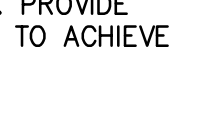


SCALE: 1"=10'



GRADING AND PAVING PLAN - ACCESSIBLE PATH OF TRAVEL

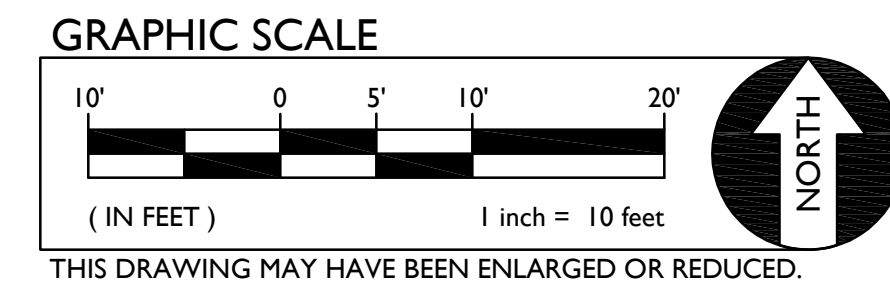
SCALE: 1"=10'

GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE SIDEWALK PER  PLACE 5" PCC WITH #4 REBAR AT 24" O.C.E.W. OVER 12" CL2 AGGREGATE BASE ON COMPACTED SUBGRADE.
3. DOWEL INTO EXISTING CONCRETE PER  C3.1
4. 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.
5. PLACE 3" AC OVER 12" AB ON COMPACTED SUBGRADE.
6. CONSTRUCT CONCRETE CURB PER  C3.1
7. REFER TO ELECTRICAL PLANS FOR CONDUIT PLACEMENT AND DETAILING.
8. CRACK FILL AND PLACE TWO (2) APPLICATIONS OF SEAL COAT PRIOR TO STRIPING.
9. CONSTRUCT 8" WIDE RETAINING CURB WITH GUARDRAIL PER  C3.1
10. PROPOSED SIDEWALK ELEVATION SHALL MEET FLUSH WITH EXISTING FINISH FLOOR.
11. PLACE TRUNCATED DOMES PER  C3.1
12. PLACE 6" OPENING IN CURB TO ALLEVIATE DRAINAGE.
13. PLACE IRRIGATION PIPE. SIZE TO MATCH EXISTING LINE SIZE
14. CONNECT TO EXISTING IRRIGATION PIPE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
15. PLACE 2-SACK CONCRETE SLURRY FROM TOP OF PIPE TO 6" MIN. ABOVE PIPE, EXTENDING 6" ON EITHER SIDE OF PIPE.

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. UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.



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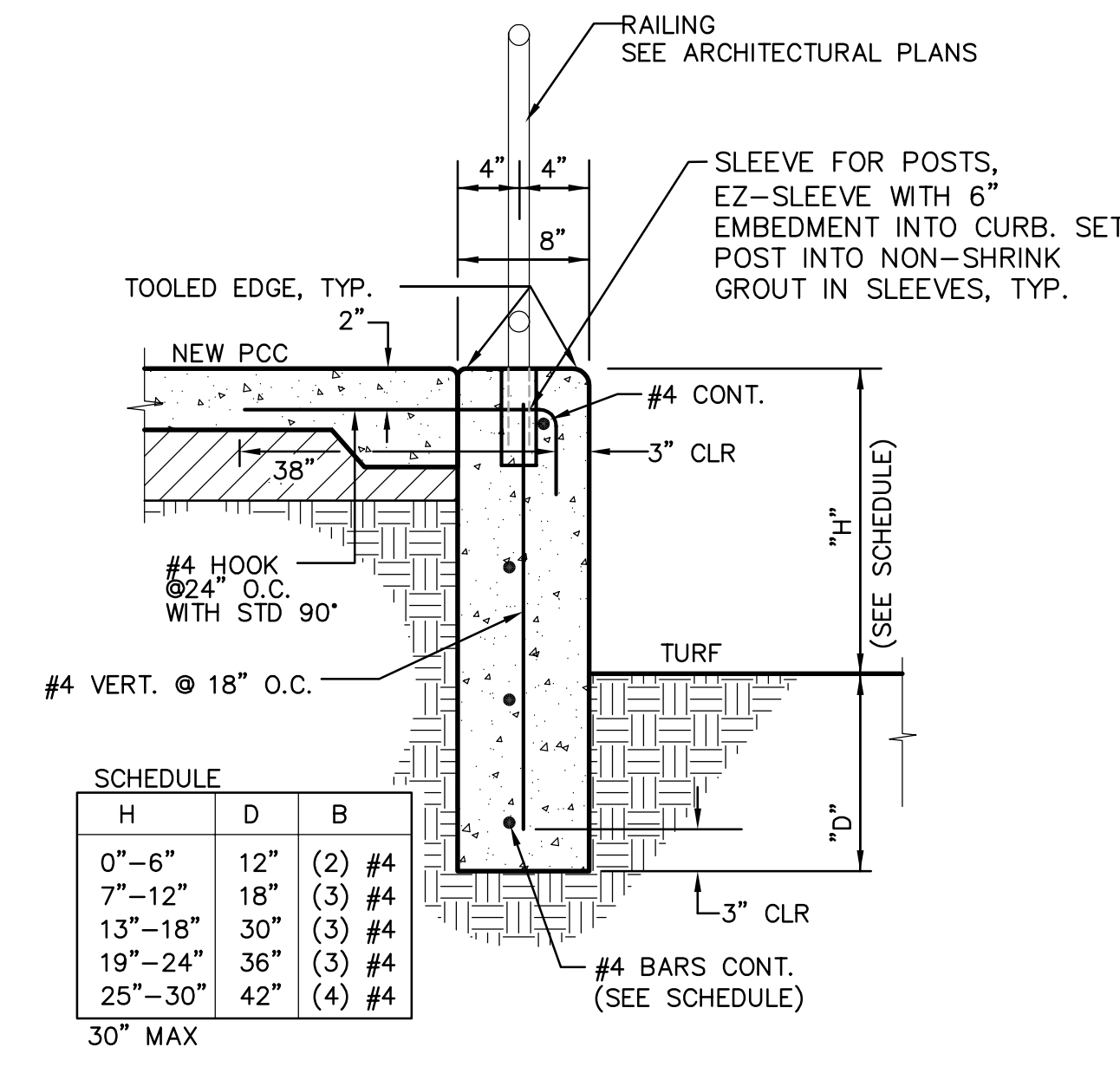
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**SHADE STRUCTURE AT EARL WARREN
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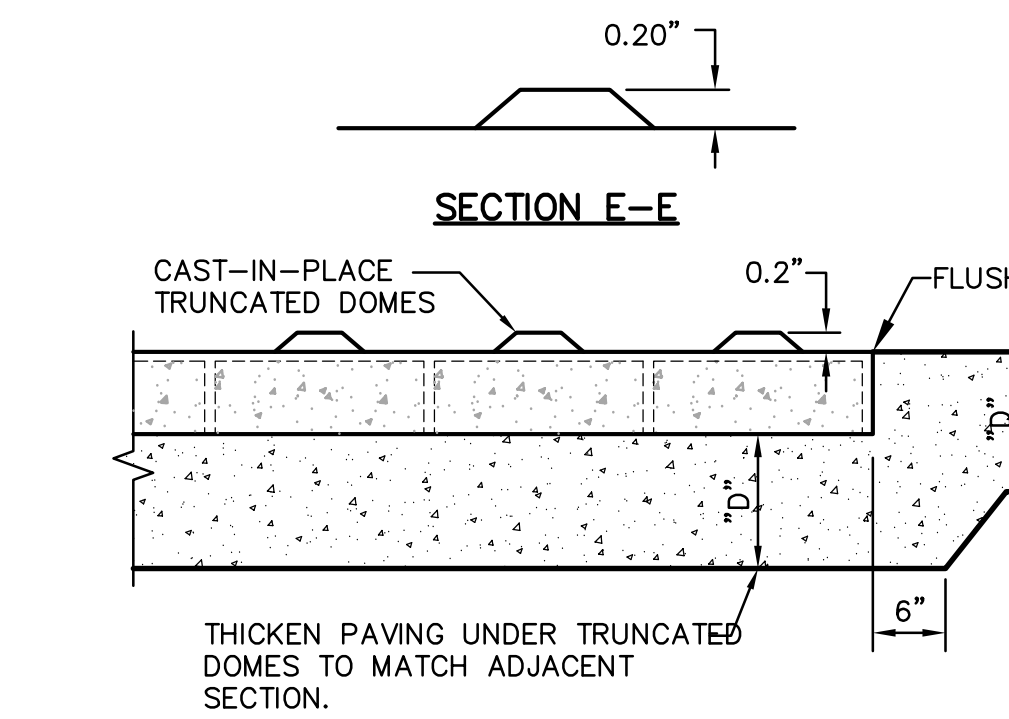
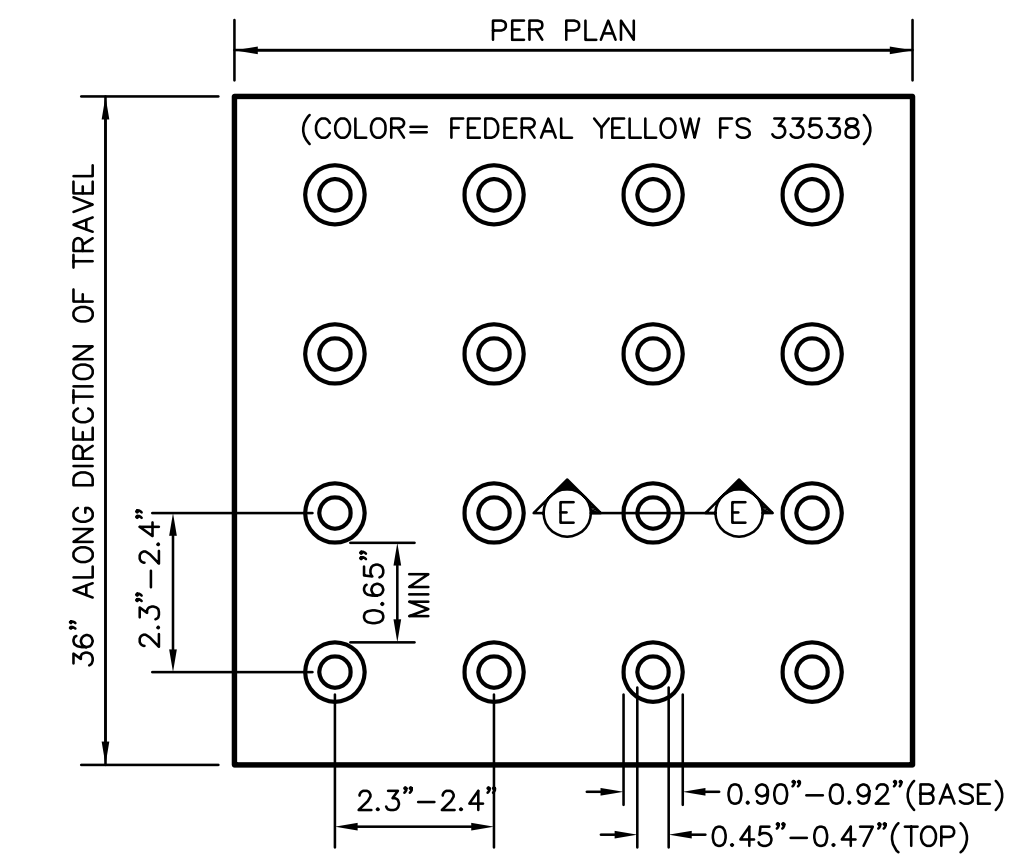
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**GRADING AND
PAVING PLAN**

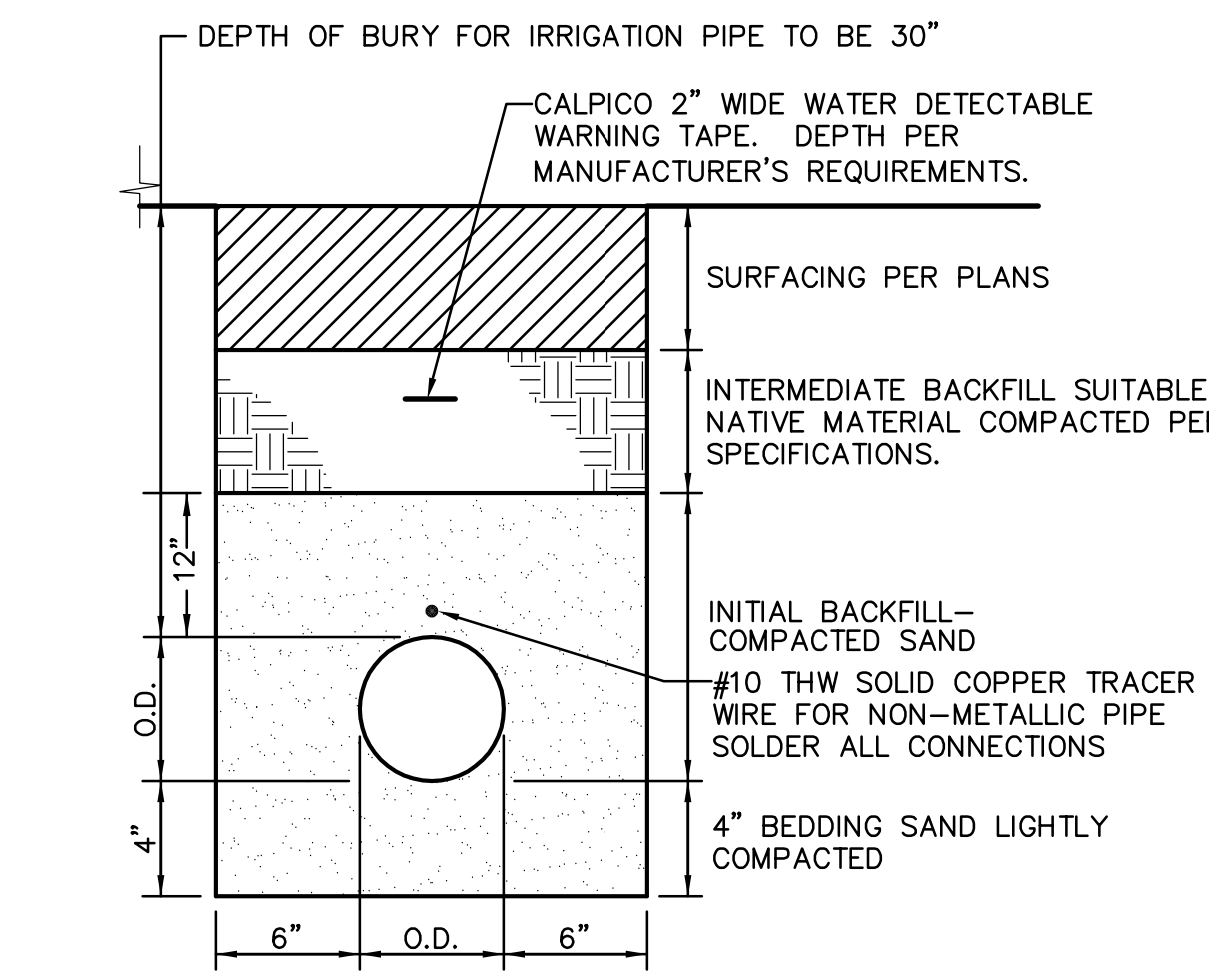
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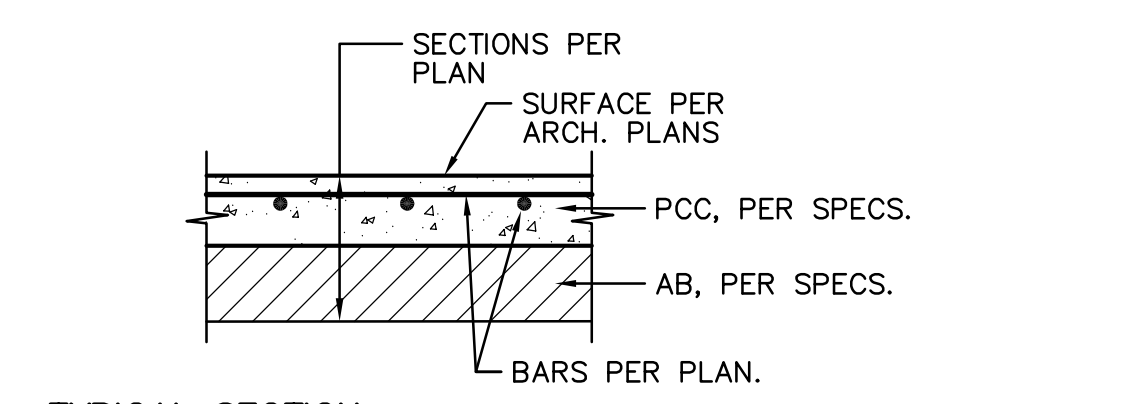
3
C3.1 8" RETAINING CURB
 NO SCALE



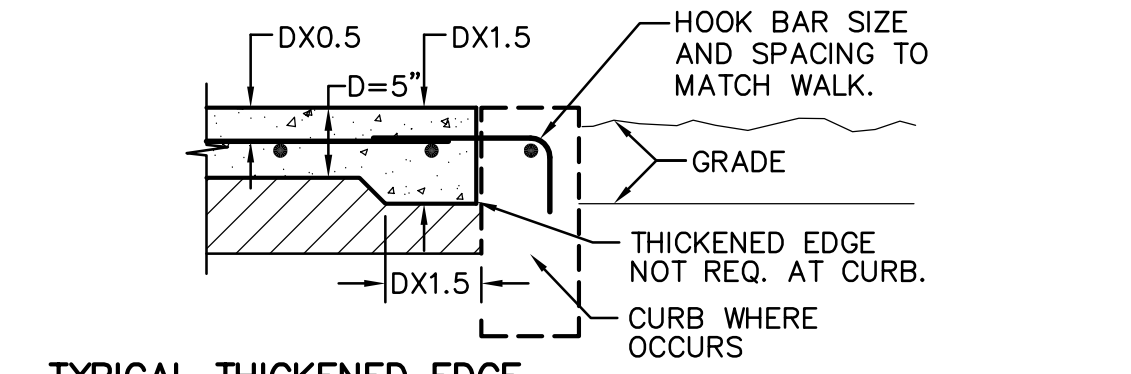
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C3.1 TRUNCATED DOMES
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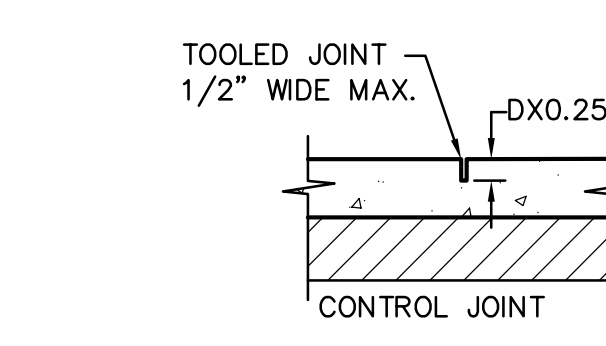
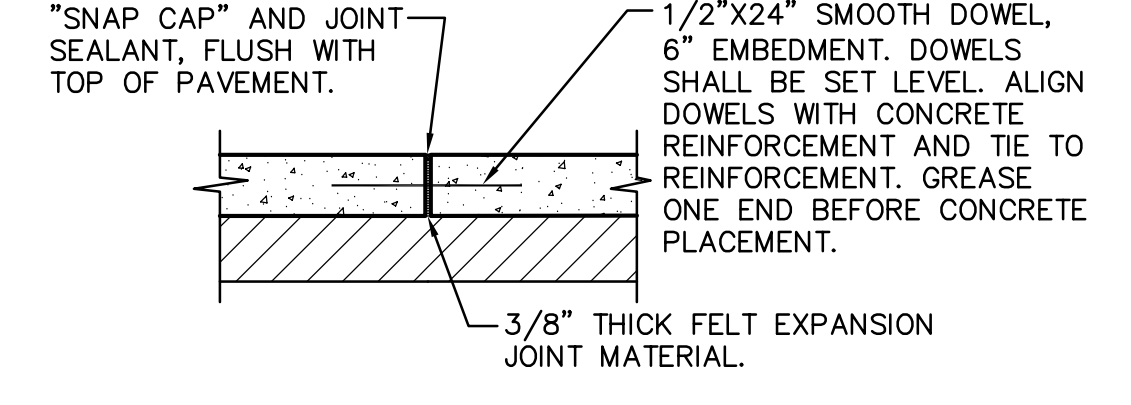
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C3.1 WATER TRENCH
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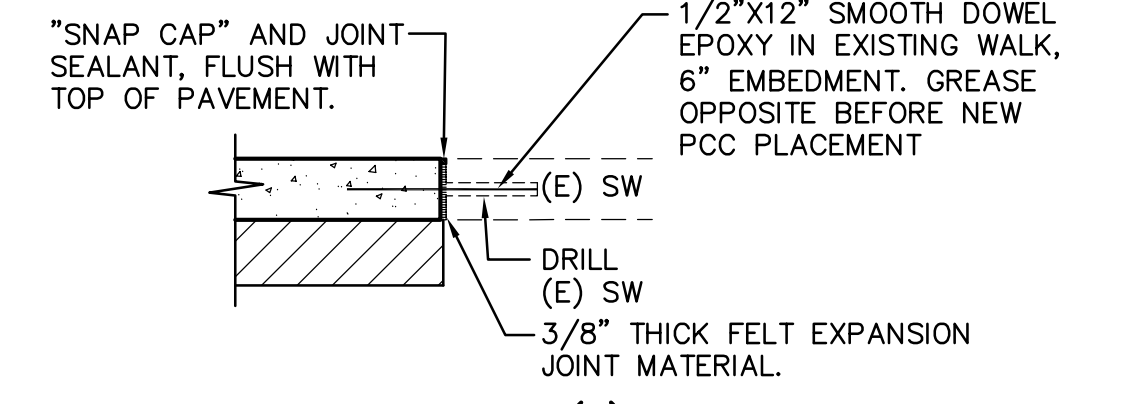
TYPICAL SECTION



TYPICAL THICKENED EDGE



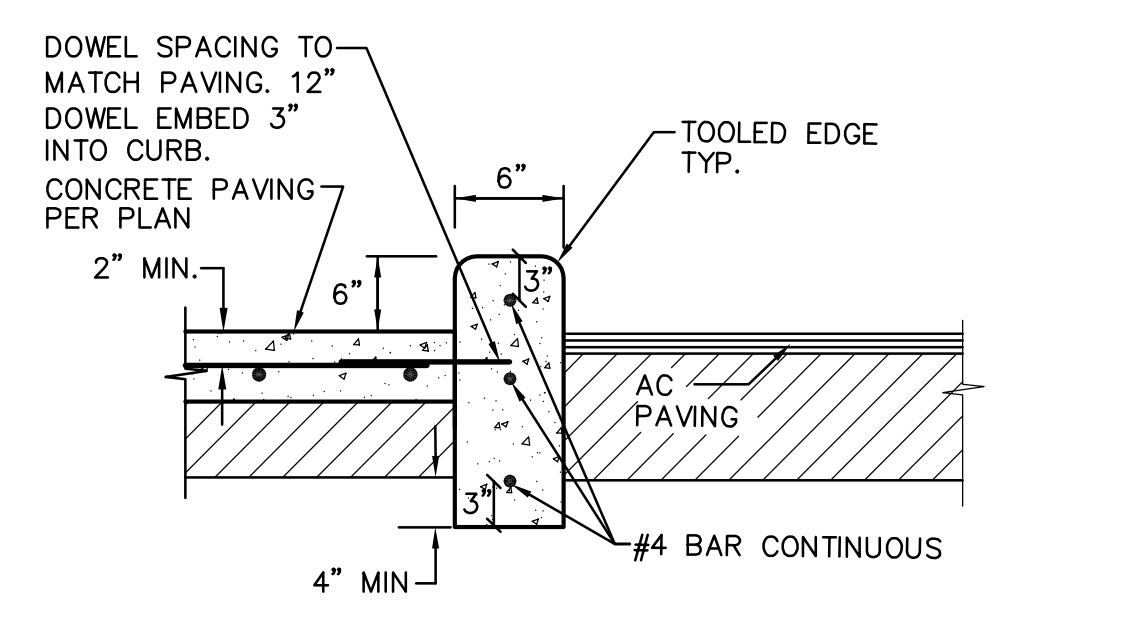
TYPICAL JOINTS



CONNECTION TO (E) CONCRETE

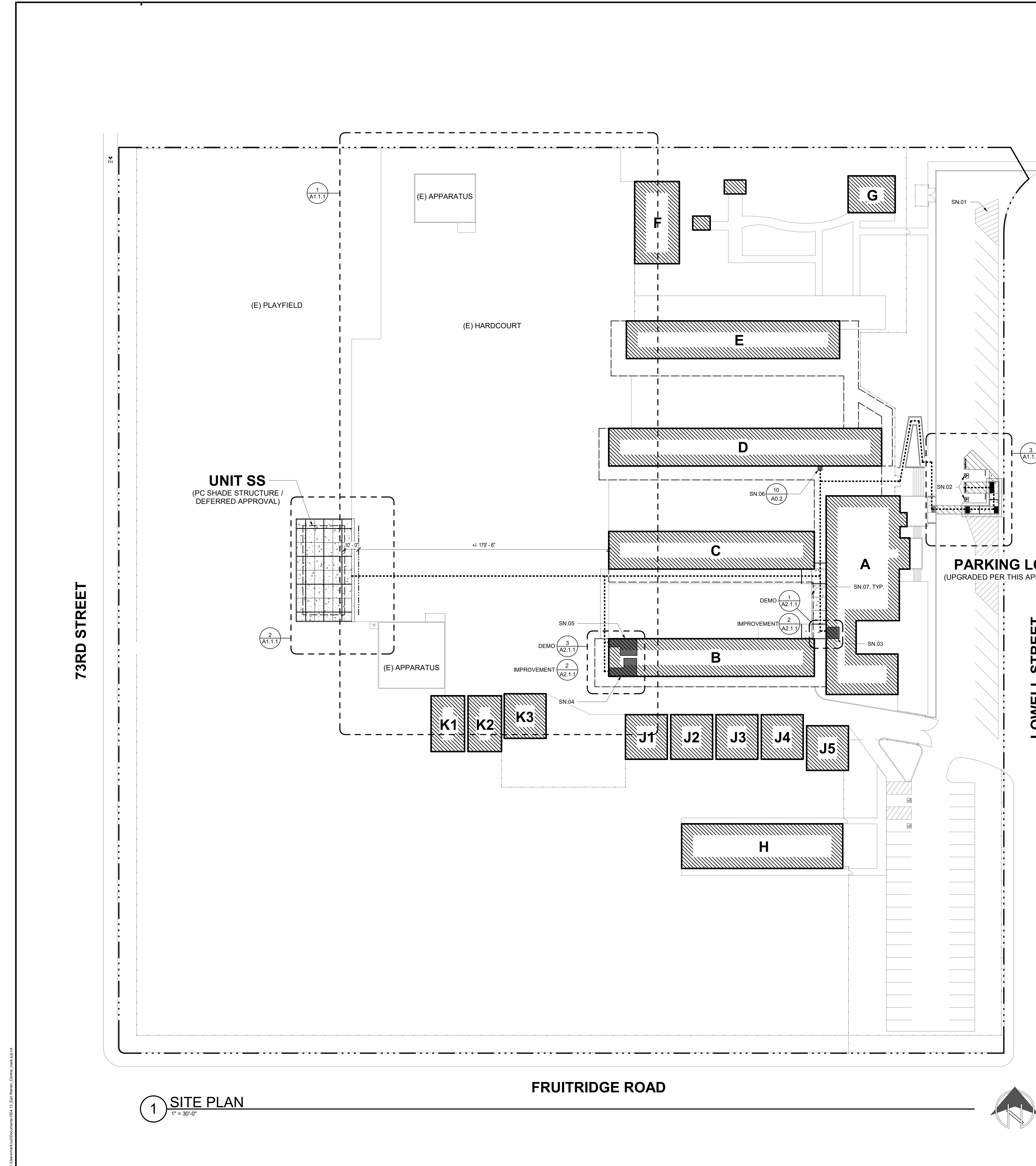
- NOTES:
 1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX.
 2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX.
 3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1
C3.1 CONCRETE SIDEWALK
 NO SCALE



- NOTES:
 1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 2. AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2
C3.1 CONCRETE CURB
 NO SCALE



PROPOSED SHADE STRUCTURE					
UNIT	DESCRIPTION	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA (TABLE 506.2)	OCCUPANCY CALCULATION
SS	SHADE STRUCTURE	A-3	II-B NON-SPRINKLERED	6,000 S.F.	1,920 S.F. / 15 NET = 128 OCC.

EXISTING BUILDING DESIGNATIONS				
UNIT	DESCRIPTION	DSA APPLICATION #	AREA (SF)	NOTES
A	ADMINISTRATION / MULTIPURPOSE	12385, THIS APPLICATION	6,940	
B	CLASSROOMS	12385, THIS APPLICATION	3,982	
C	CLASSROOMS	8803	3,982	
D	CLASSROOMS	4803	5,287	
E	CLASSROOMS	8803	4,131	
F	RELOCATABLE CLASSROOMS	02-100257	1,920	
G	RELOCATABLE CLASSROOMS	16532	960	
H	RELOCATABLE CLASSROOMS	02-105397	3,840	
J1-J5	RELOCATABLE CLASSROOMS	53491	960 EACH	
K1-K2	RELOCATABLE CLASSROOMS	53491, 02-102253, 02-107121	960 EACH	

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT

1) HAVE BEEN IDENTIFIED AND

2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBLE PARKING STALL CALCULATION	
TOTAL PARKING STALL COUNT:	22 STALLS
ACCESSIBLE PARKING STALLS:	(TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	1 (1-25 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	1 STANDARD & 1 VAN

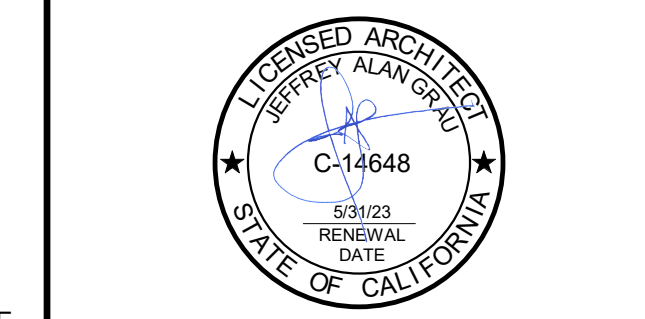
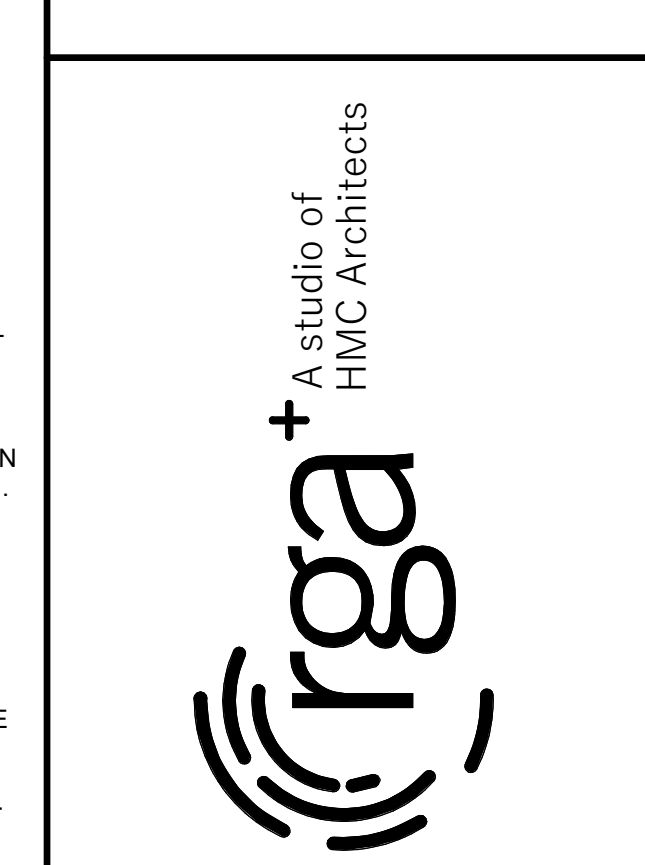
LEGEND

- PROPERTY LINE
- ASSUMED PROPERTY LINE
- UNIT DESIGNATION
- PC SHADE STRUCTURE / DEFERRED APPROVAL
- UNIT DESIGNATION
- EXISTING BUILDINGS
- EXPANSION JOINT
- CONCRETE WALK / PAVING
- CONTROL JOINT
- ASPHALT CONCRETE PAVING
- ACCESSIBLE PATH OF TRAVEL

- SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2" ONLY. ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:1. UNIT VERTICAL TO 2 UNITS HORIZONTAL.
- WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATINGS WHICH OCCUR WITHIN THE P.O.T. SHALL HAVE OPENINGS WHICH DO NOT EXCEED 1/2" IN THE DIRECTION OF TRAVEL PER CBC SECTION 11B-302.3.
- AN ABRUPT DROP-OFF CHANGE IN ELEVATION AT THE EDGE OF ANY WALK INTO AN ADJACENT PLANTER SHALL NOT EXCEED 4".
- SLOPES IN THE DIRECTION OF THE P.O.T. GREATER THAN 1:1 UNIT VERTICAL TO 20 UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 11B-506. SLOPES IN THE DIRECTION OF THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES IN THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 2%.
- ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF 5% OR LESS SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A LIGHT BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 5% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH.
- OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE WITHIN THE P.O.T. PER CBC SECTION 11B-307.
- PASSING SPACES (11B-403.5.3) OF 60" X 60" MIN. ARE LOCATED NOT MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE 60" IN LENGTH LEVEL RESTING AREAS (11B-403.7) NOT MORE THAN 400' APART. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN (11B-307.4) AND FREE OF PROTRUDING OBJECTS (11B-307) GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE REQUIRED FOR ACCESSIBLE ROUTES (11B-307.5).

- SHEET NOTES**
- SN.01 (E) PARKING LOT ENTRANCE SIGN REVIEWED AND VERIFIED PER THIS APPLICATION.
 - SN.02 ACCESSIBLE PARKING STALLS PER THIS APPLICATION.
 - SN.03 (E) ACCESSIBLE STAFF TOILET ROOM UPGRADED PER THIS APPLICATION.
 - SN.04 (E) ACCESSIBLE GIRL'S TOILET ROOM UPGRADED PER THIS APPLICATION.
 - SN.05 (E) ACCESSIBLE BOYS' TOILET ROOM UPGRADED PER THIS APPLICATION.
 - SN.06 (E) ACCESSIBLE DRINKING FOUNTAIN UPGRADED PER THIS APPLICATION.
 - SN.07 CONTRACTOR TO VERIFY (E) COLUMN LOCATIONS AND FOOTING CONDITIONS ALONG (E) WALKWAY WHERE WORK IS TO BE DONE WITH INVESTIGATIVE DEMOLITION. PRIOR TO FULL DEMOLITION, CONTRACTOR TO REPORT (E) FOOTING CONDITION INVESTIGATIVE FINDINGS TO DESIGN PROFESSIONAL PRIOR TO FULL DEMOLITION.

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SHADE STRUCTURE AT EARL WARREN
 ELEMENTARY SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

Revision

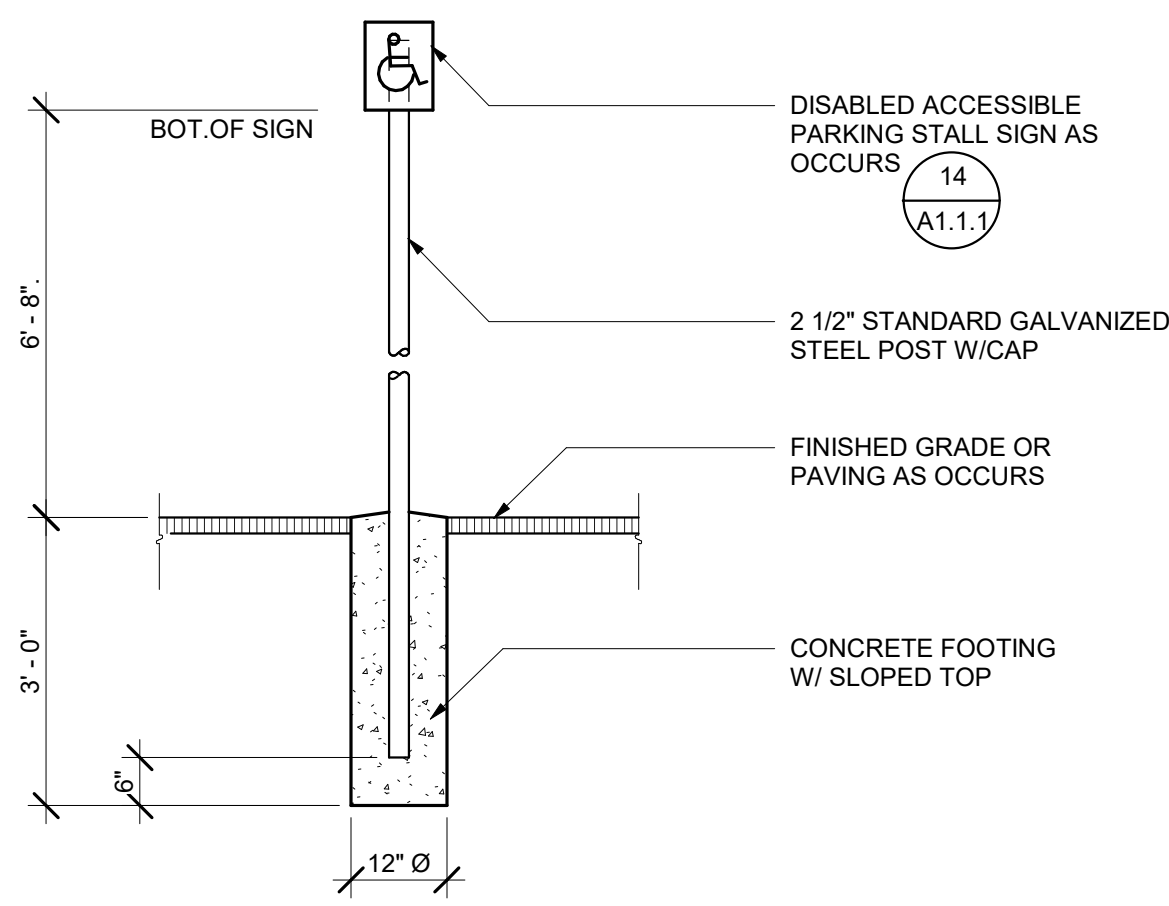
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SITE PLAN AND CODE INFORMATION

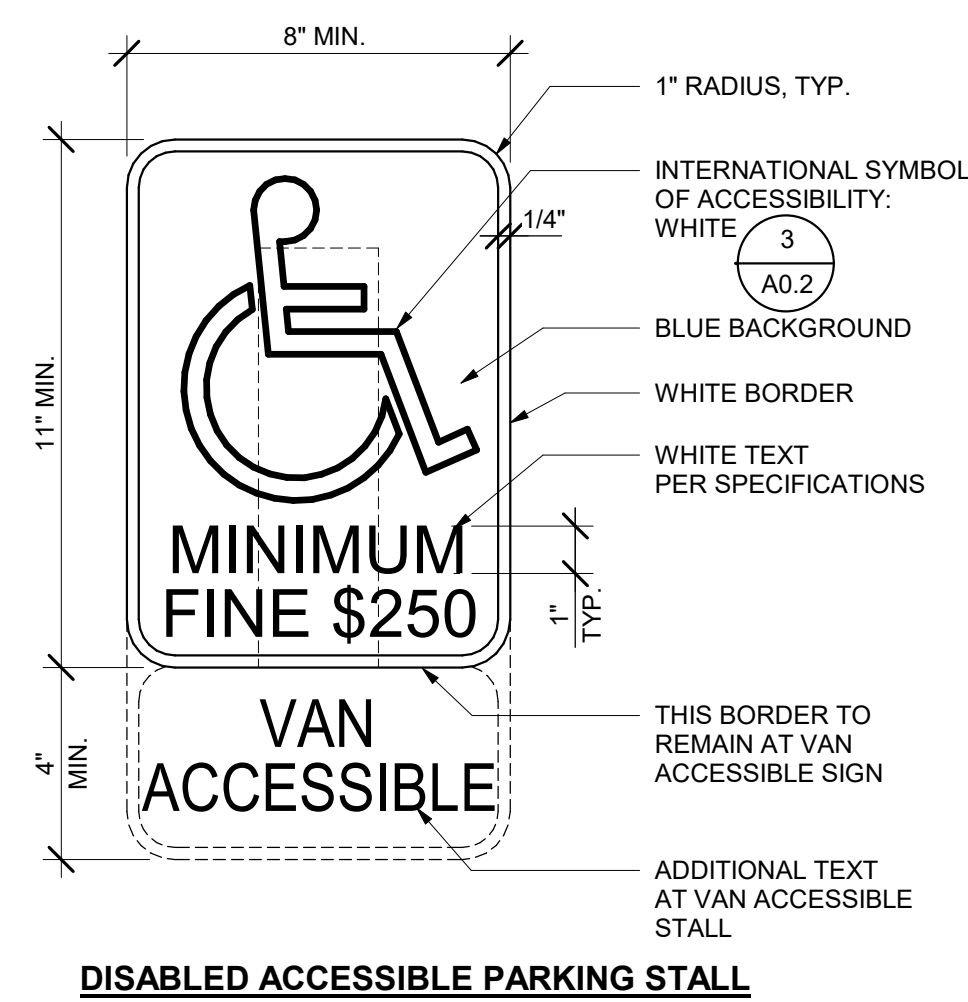
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1 SITE PLAN
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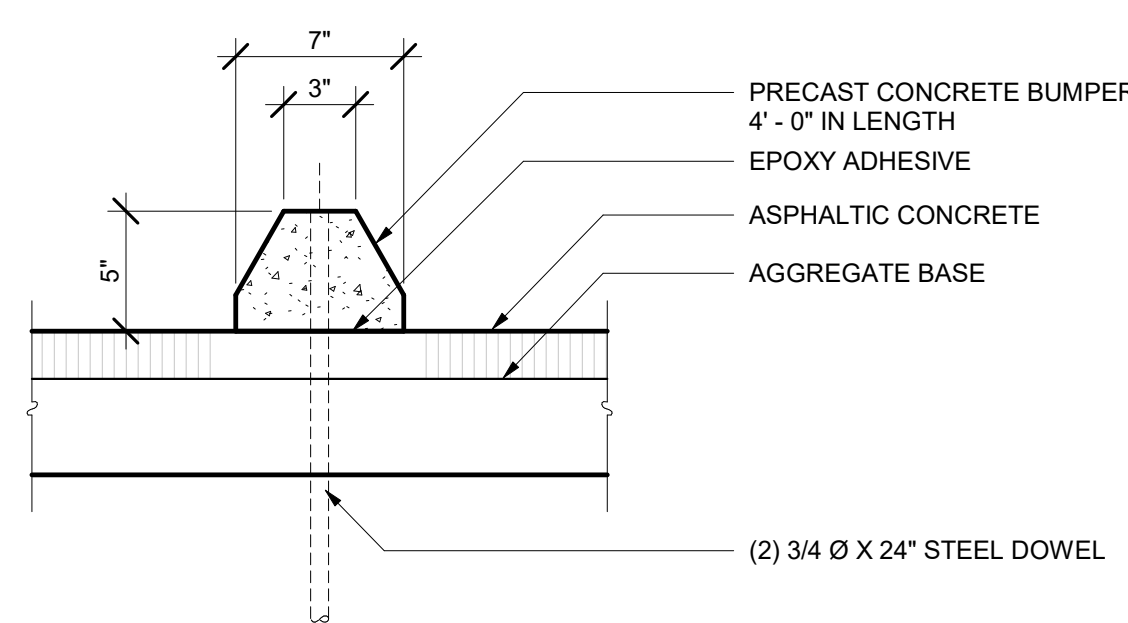
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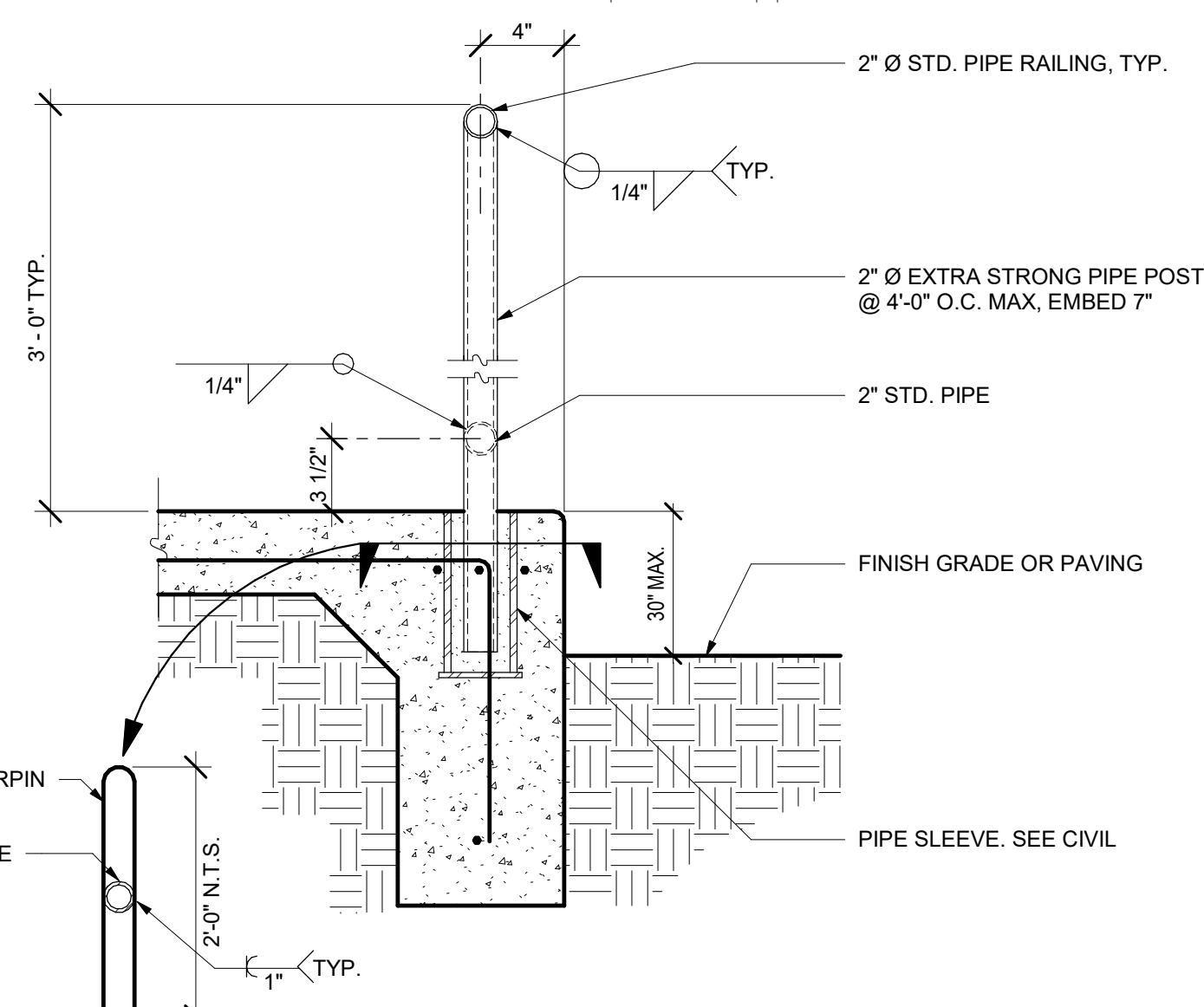
13 METAL SIGNS
1/2" = 1'-0"



14 PARKING SIGNAGE
3" = 1'-0"

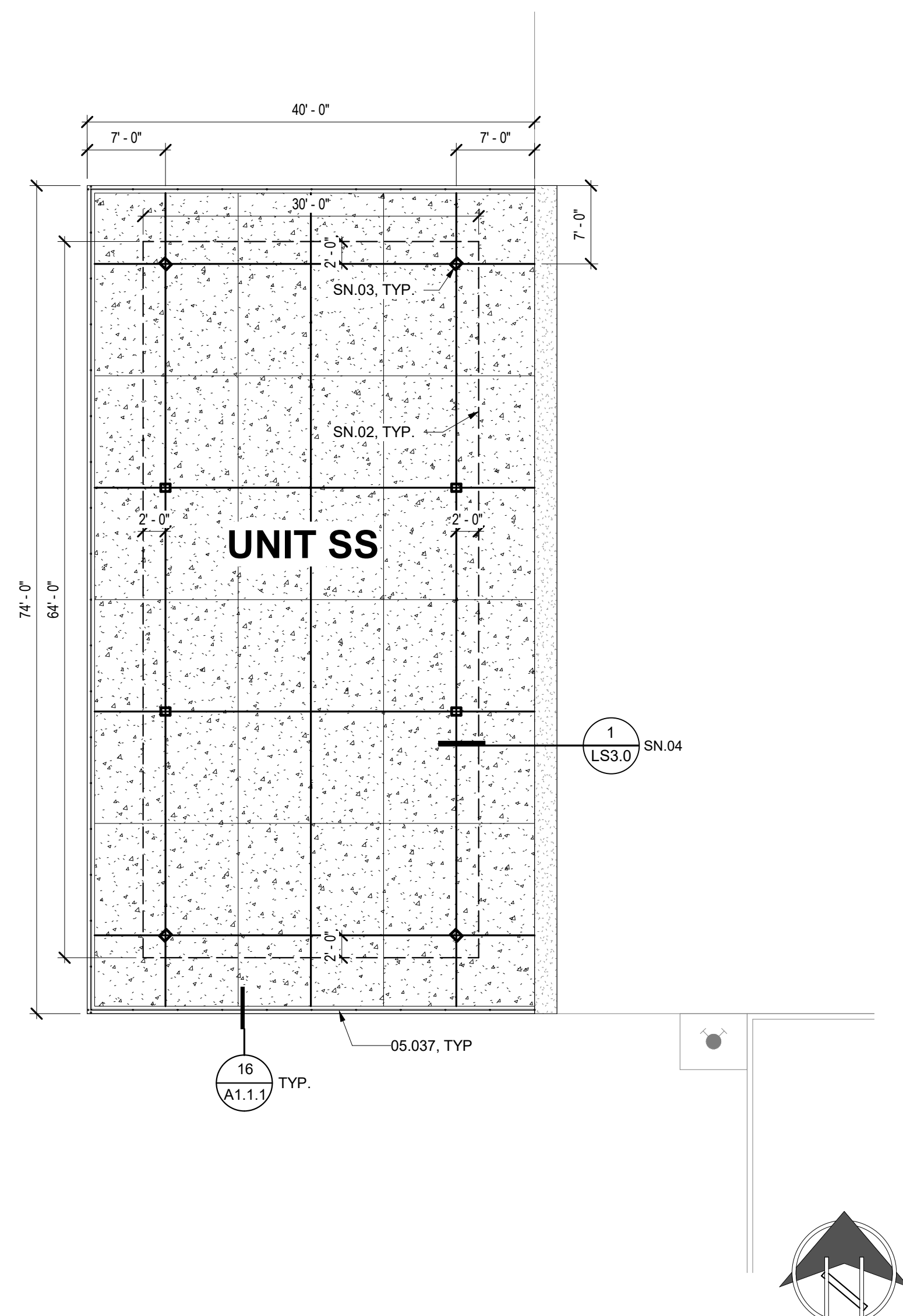


15 PRECAST CONCRETE BUMPER
1 1/2" = 1'-0"

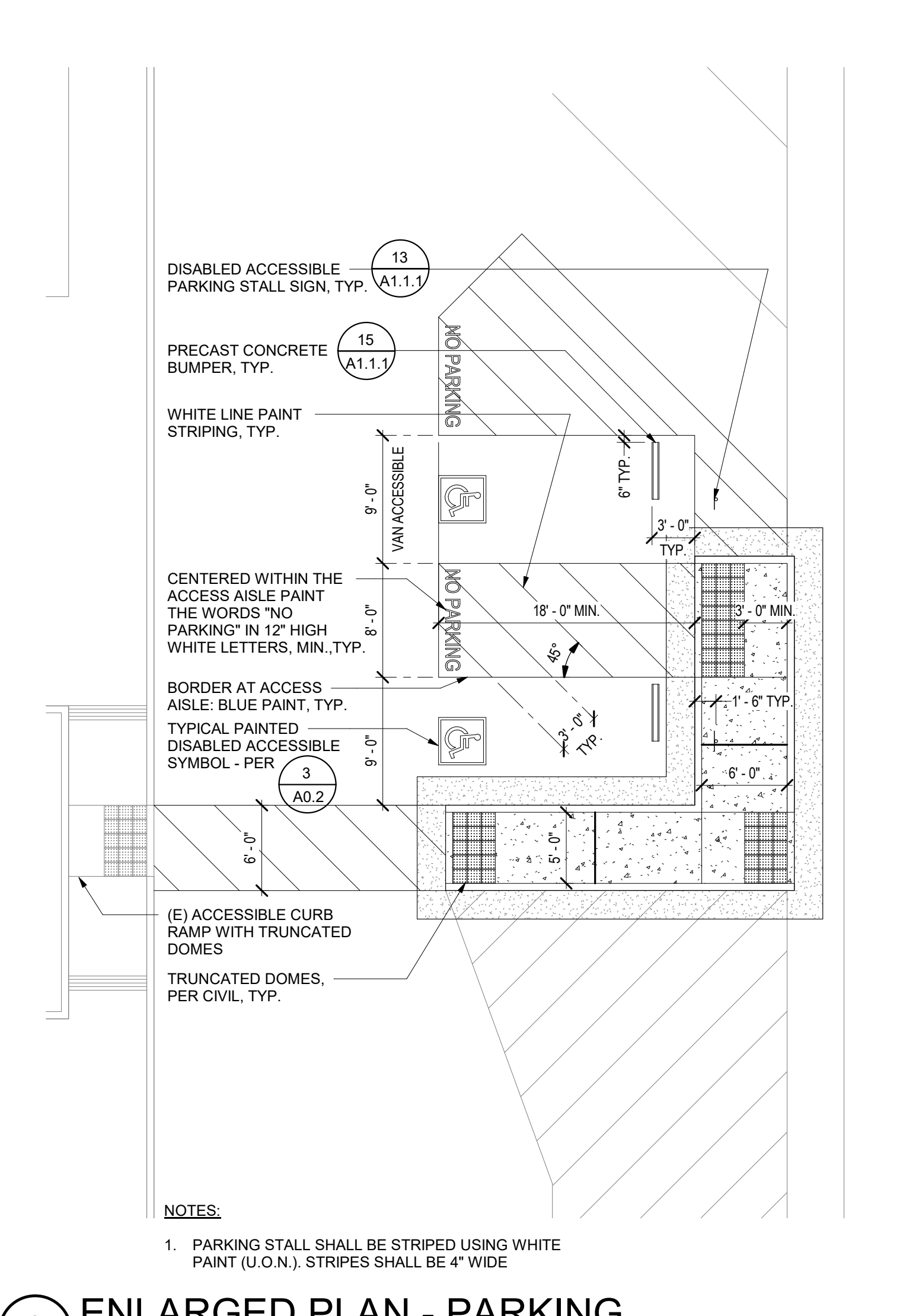


16 RAILING DETAIL
1 1/2" = 1'-0"

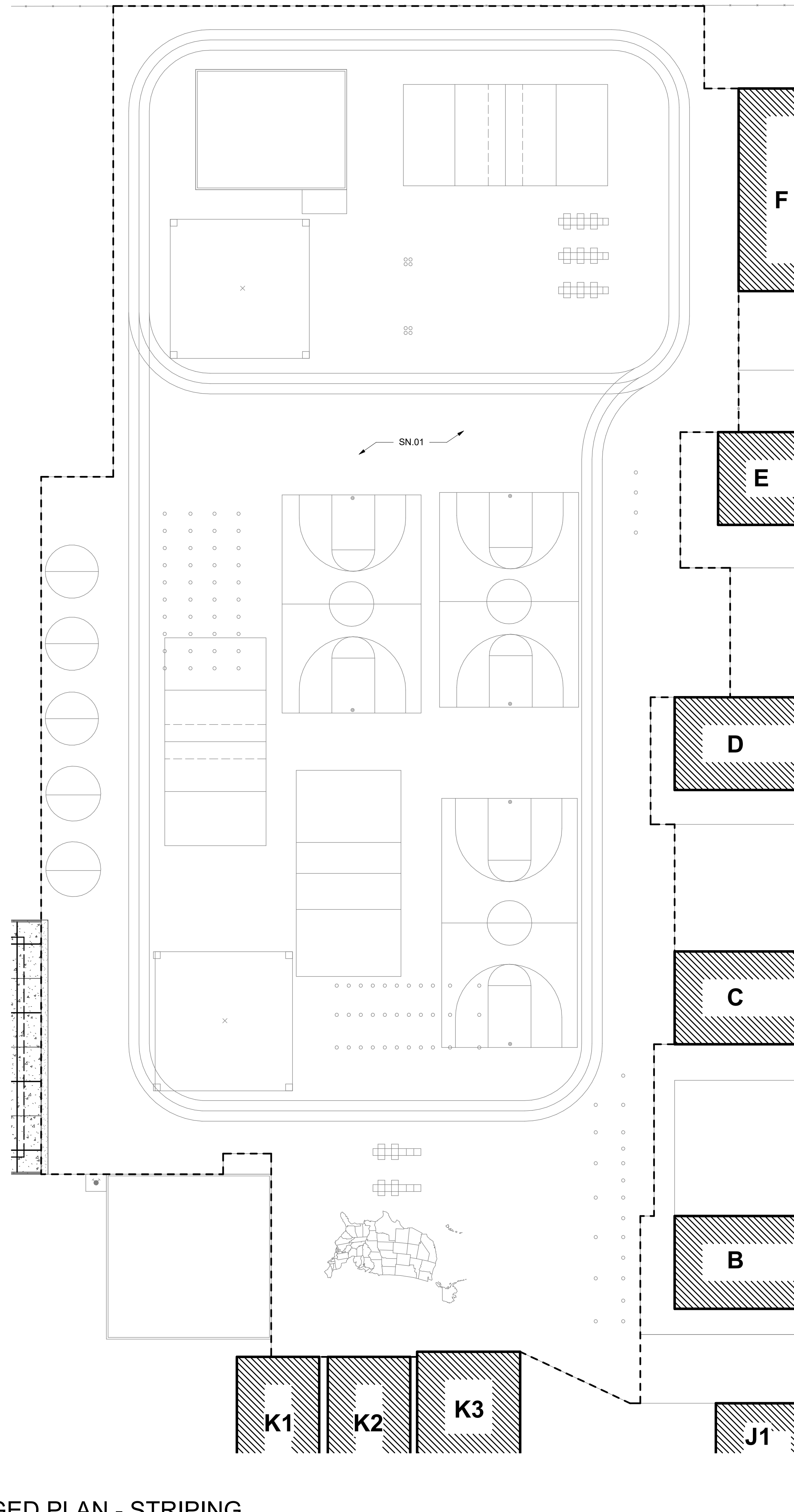
32708



2 ENLARGED PLAN - SHADE STRUCTURE
1" = 10'-0"



3 ENLARGED PLAN - PARKING
1/8" = 1'-0"



1 ENLARGED PLAN - STRIPING
1" = 20'-0"

LEGEND

- PROPERTY LINE
- - - - - ASSUMED PROPERTY LINE
- [X] UNIT DESIGNATION
PC SHADE STRUCTURE / DEFERRED APPROVAL
- [Hatched Box] UNIT DESIGNATION
EXISTING BUILDINGS
- [Dashed Line] EXPANSION JOINT
- [Hatched Box] CONCRETE WALK / PAVING
- [Dashed Line] CONTROL JOINT
- [Dotted Box] ASPHALT CONCRETE PAVING

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF CRACK REPAIR AT (E) HARD COURT.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING (E) STRIPING CONDITIONS AND VERIFYING EXACT LAYOUT TO BE RESTRIPTED WITH DISTRICT.

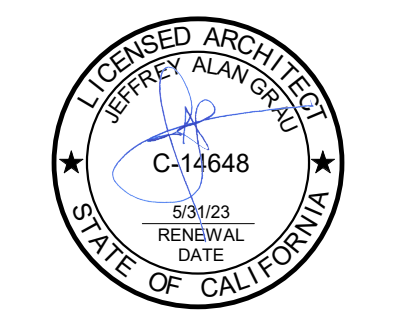
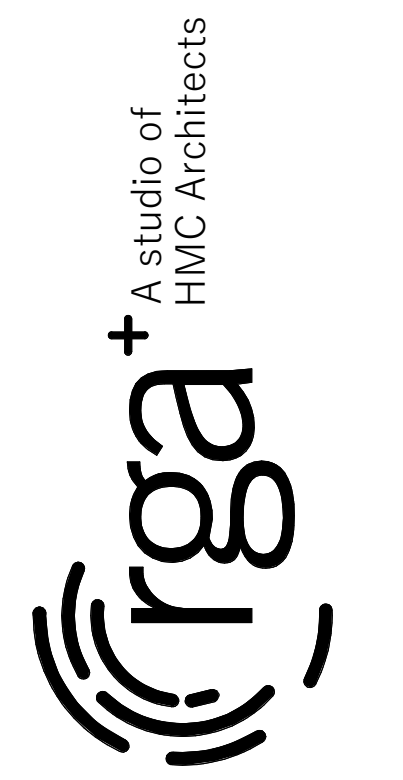
SHEET NOTES

- SN.01 ALTERNATE 1: (E) HARD COURT SHALL RECEIVE CRACK REPAIRS AND 2 COATS OF SEAL COAT. (E) STRIPING IS TO BE RESTRIPTED OVER SEAL COAT. EXTENTS SHOWN DASHED
- SN.02 ROOF OVERHANG ABOVE, PER PC SHADE STRUCTURE / DEFERRED APPROVAL. CONTRACTOR IS RESPONSIBLE FOR FIELD CUTTING METAL ROOF PANELS FOR INSTALLATION.
- SN.03 HSS COLUMN AND FOOTING, PER PC SHADE STRUCTURE / DEFERRED APPROVAL.
- SN.04 FOR FOOTING / CONCRETE PAD / COLUMN INTERACTION, SEE PC SHADE STRUCTURE / DEFERRED APPROVAL.

KEYNOTES

- 05.037 METAL RAILING

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ELEMENTARY SCHOOL**

**SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA**

Revision

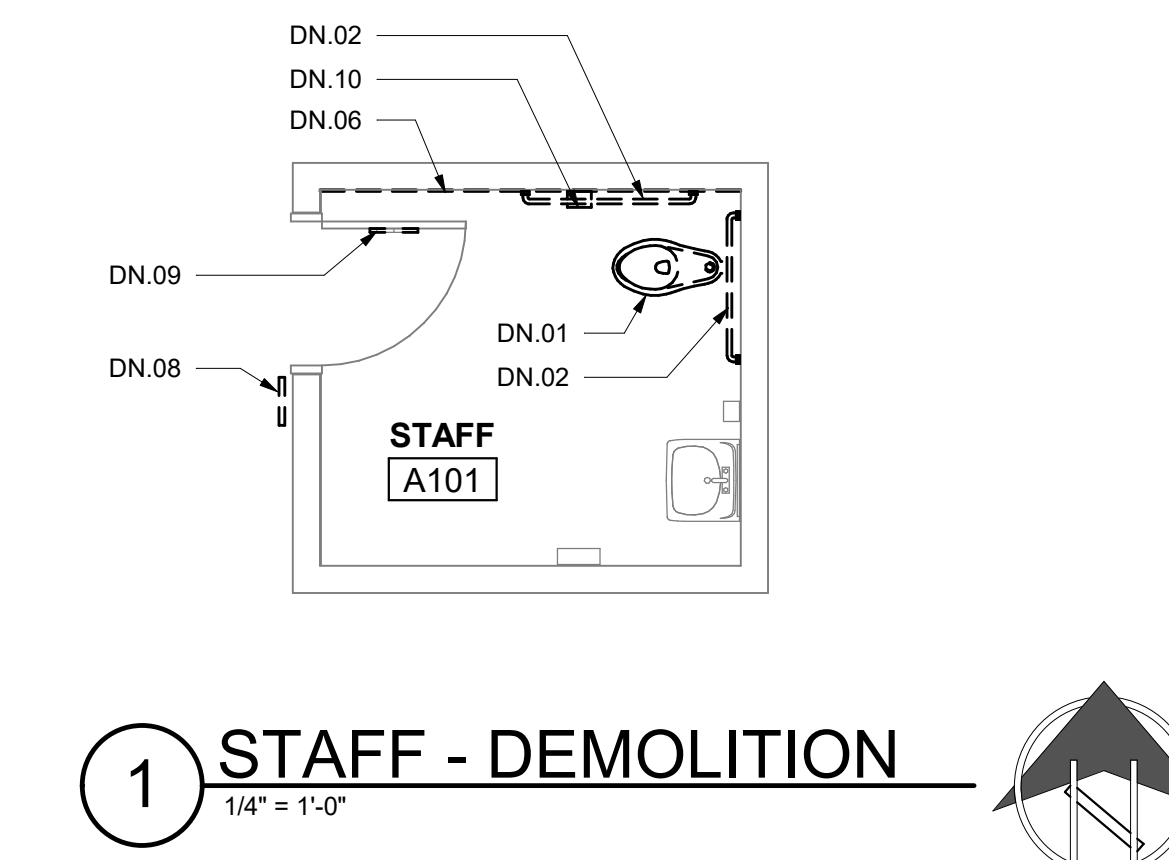
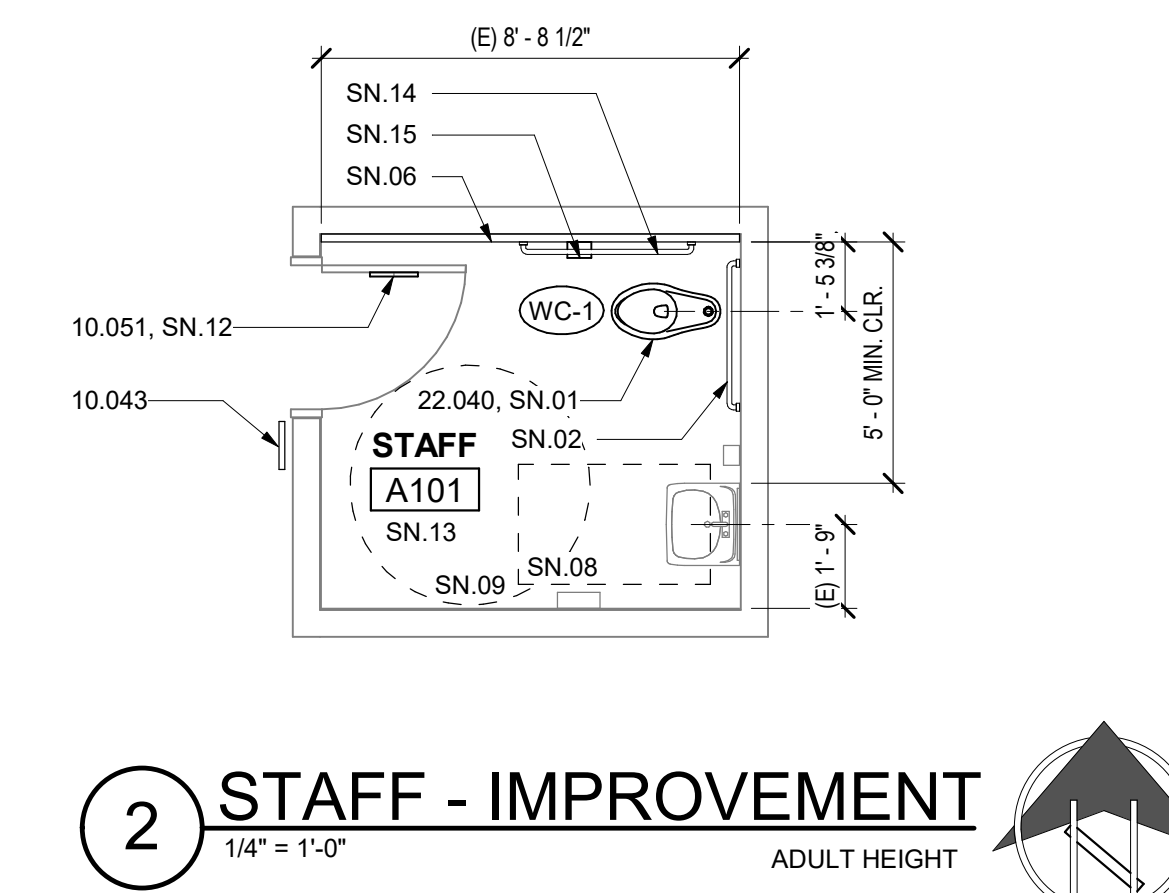
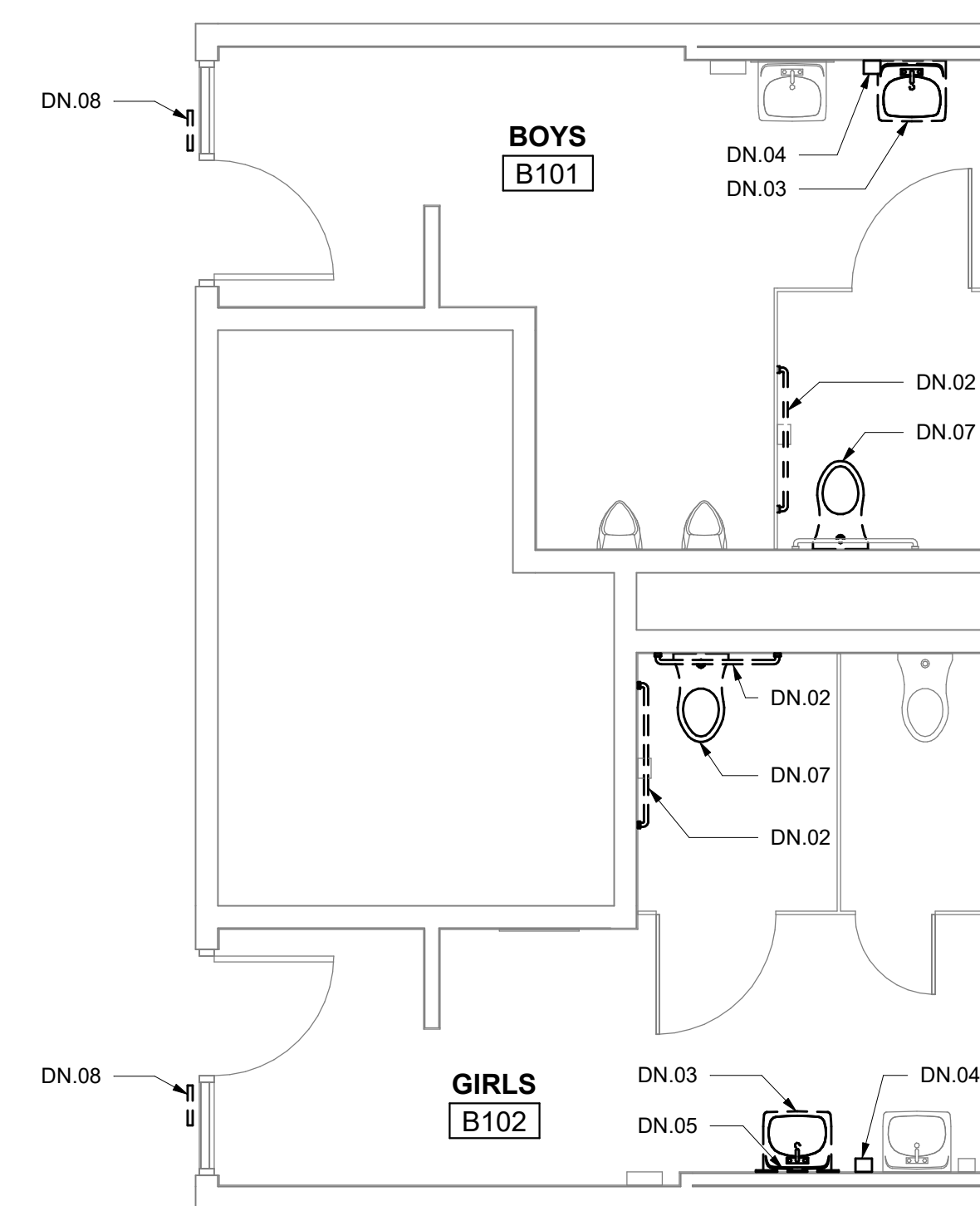
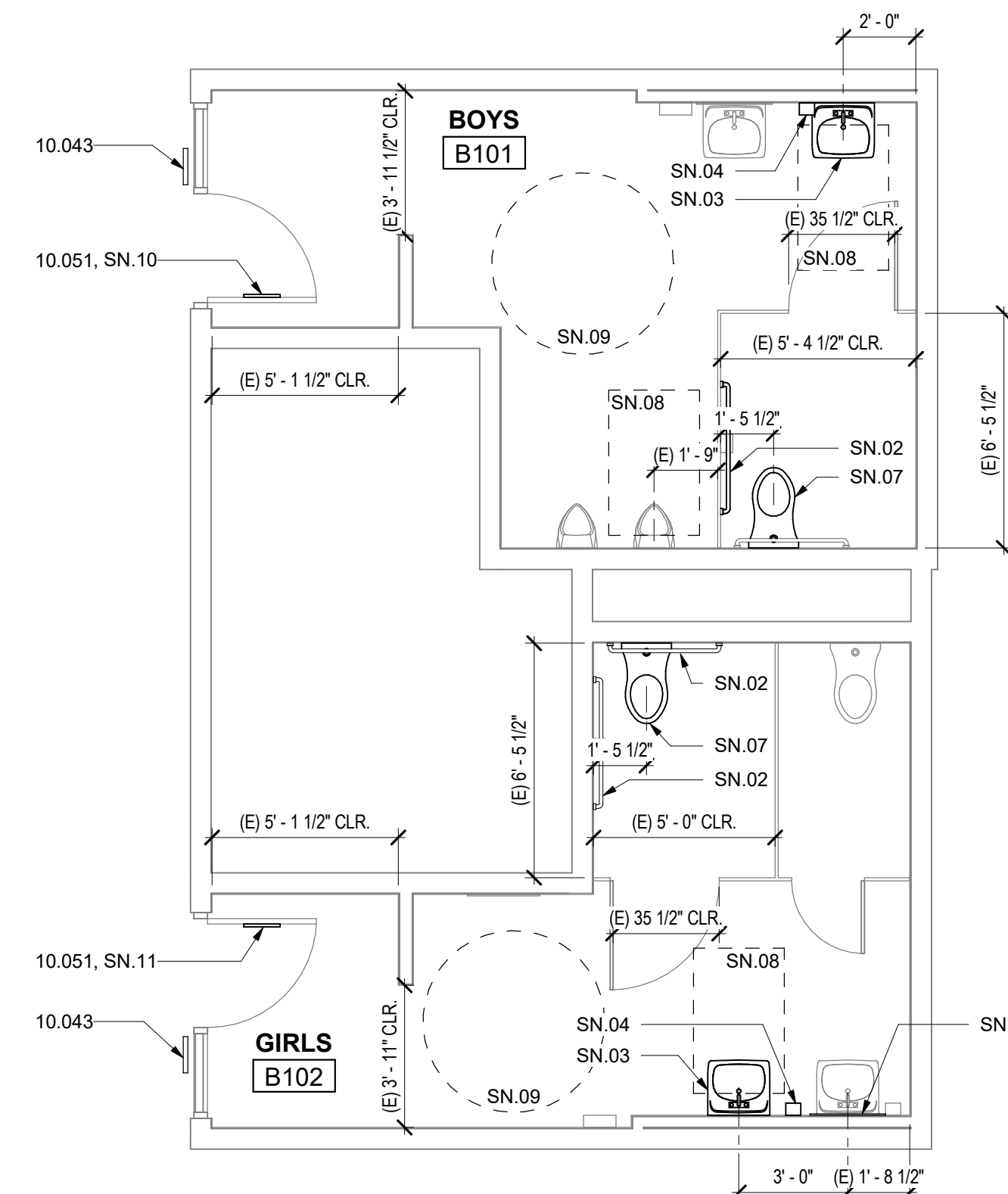
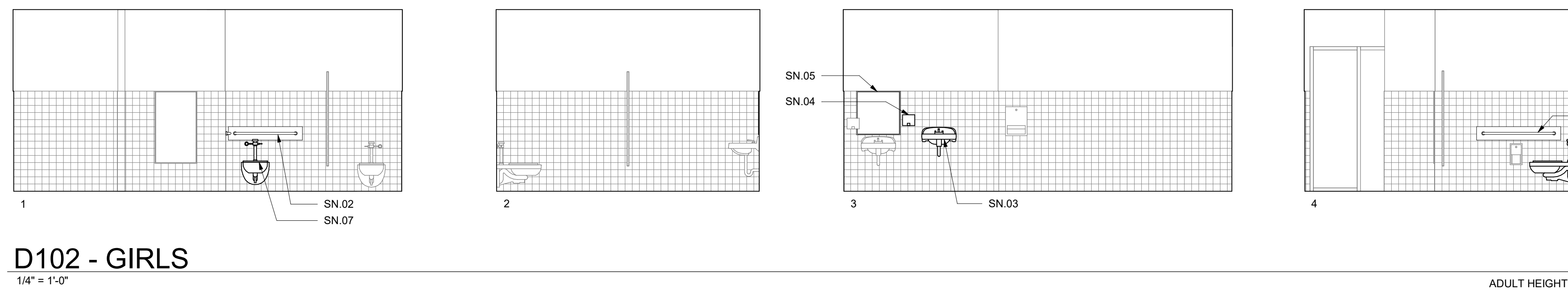
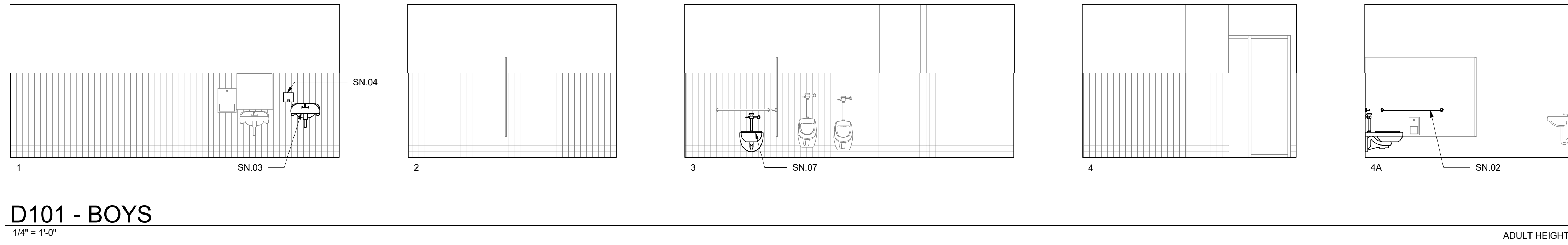
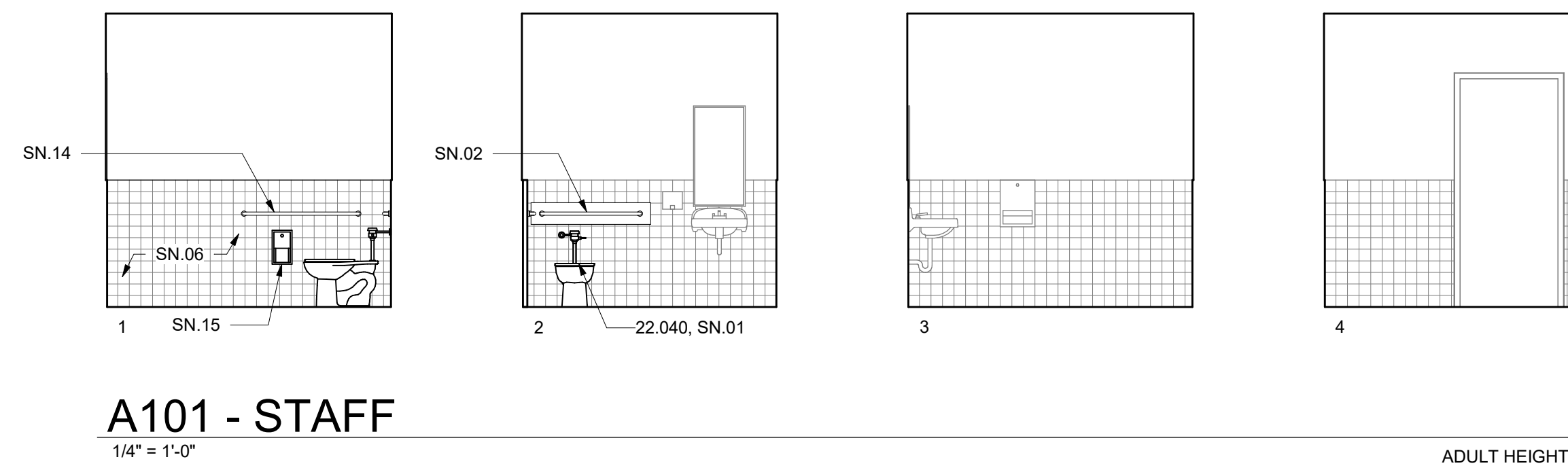
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**PARTIAL SITE PLANS
AND DETAILS**

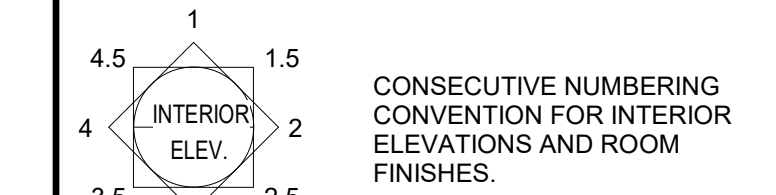
PROJECT NO. 1504.13
DATE: 3/22/2022
SHEET **A1.1.1**

PLUMBING FIXTURE SCHEDULE - BASIS OF DESIGN				UTILITY CONNECTIONS						
SYMBOL	FIXTURE	DESCRIPTION	NOTES	VENT	WASTE		COLD WATER		HOT WATER	
					BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
WC-1 (ADA)	WATER CLOSET FLUSH VALVE FLOOR MTD	"KOHLER" HIGHCLIFF ULTRA, MODEL K-96057, OR EQUAL, VITREOUS CHINA, ELONGATED, 1-1/2" TOP SPUD, 12" ROUGH-IN, 16-5/8" RIM HEIGHT, 1.28 GPF, FLUSH VALVE: "SLOAN" ROYAL OPTIMA 111-1.28	SEAT: "CHURCH" 295SSCT OR EQUAL, SELF-SUSTAINING CONCEALED CHECK HINGES, ONE PIECE SS POST HINGES, WHITE COLOR. MOUNT FLUSH HANDLE ON WIDE SIDE OF WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--

5 PLUMBING FIXTURE SCHEDULE
1/2" = 1'-0"



LEGEND



GENERAL NOTES

- FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY, REFER TO SHEET A0.2
- PROTECT ALL ADJACENT SURFACES, ITEMS AND FINISHES NOT NOTED TO BE DEMOLISHED.
- EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR REINSTALLATION" WILL BE REMOVED AND STORED BY THE CONTRACTOR PRIOR TO START OF DEMOLITION. THESE EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT.
- REMOVE ALL ITEMS SCHEDULED TO BE REMOVED, INCLUDING MOUNTING HARDWARE.
- DEMO AND REPAIR WALL FINISH AS NECESSARY TO PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED. ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR.

DEMOLITION NOTES

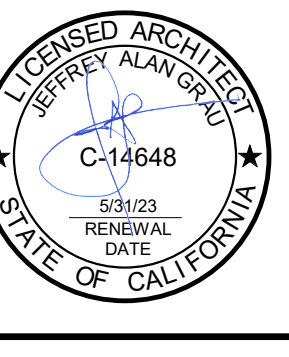
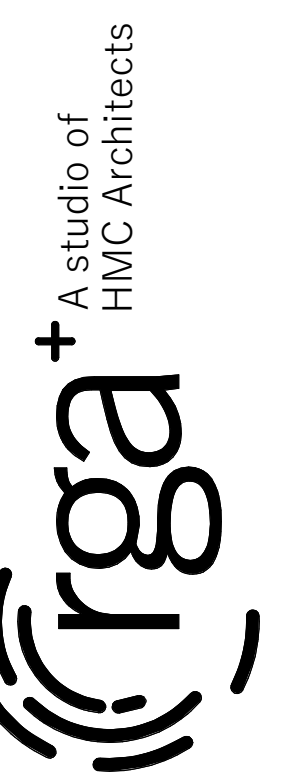
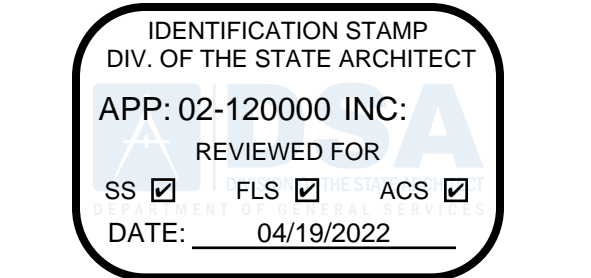
- DN.01 REMOVE (E) FLOOR-MOUNTED WATER CLOSET
- DN.02 REMOVE (E) GRAB BARS AND SALVAGE FOR REINSTALLATION
- DN.03 REMOVE (E) LAVATORY AND SALVAGE FOR REINSTALLATION
- DN.04 REMOVE (E) SOAP DISPENSER AND SALVAGE FOR REINSTALLATION
- DN.05 REMOVE (E) MIRROR AND SALVAGE FOR REINSTALLATION
- DN.06 REMOVE (E) TILE FINISH FROM THIS WALL ONLY
- DN.07 REMOVE (E) WALL-MOUNTED WATER CLOSET AND SALVAGE FOR REINSTALLATION
- DN.08 REMOVE (E) TOILET ROOM I.D. SIGN
- DN.09 REMOVE (E) TOILET ROOM DOOR SYMBOL
- DN.10 REMOVE (E) TOILET PAPER DISPENSER AND SALVAGE FOR REINSTALLATION

SHEET NOTES

- SN.01 RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT
- SN.02 REINSTALL (E) SALVAGED GRAB BARS TO COMPLY WITH A0.2
- SN.03 REINSTALL (E) SALVAGED LAVATORY TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO LAVATORY. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT
- SN.04 REINSTALL (E) SALVAGED SOAP DISPENSER TO COMPLY WITH A0.2
- SN.05 REINSTALL (E) SALVAGED MIRROR TO COMPLY WITH A0.2
- SN.06 FURRED WALL PER 13 A0.2
- SN.07 REINSTALL (E) SALVAGED WALL-MOUNTED WATER CLOSET TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO WATER CLOSET. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- SN.08 30" X 48" CLEAR SPACE
- SN.09 80" DIA. TURNING CIRCLE
- SN.10 SIGN TO READ "BOYS"
- SN.11 SIGN TO READ "GIRLS"
- SN.12 SIGN TO READ "STAFF"
- SN.13 WRAP ALL EXPOSED PIPES WITH INSULATION AT LAVATORIES
- SN.14 REINSTALL (E) SALVAGED GRAB BAR TO COMPLY WITH A0.2 AND PER 13 A0.2
- SN.15 REINSTALL (E) SALVAGED TOILET PAPER DISPENSER TO COMPLY WITH A0.2

KEYNOTES

- 10.043 SIGNAGE: TOILET ROOM IDENTIFICATION
- 10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL
- 22.040 WATER CLOSET



SHADE STRUCTURE AT EARL WARREN
ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

**TOILET ROOM
DEMOLITION AND
IMPROVEMENT PLANS
AND INTERIOR
ELEVATIONS**

UNITS A & D
PROJECT NO. 1504.13
DATE: 3/22/2022
SHEET **A2.1.1**

ABBREVIATION LIST

Ø	AT
A	AMPERE
AC	ALTERNATING CURRENT
A/C	AIR CONDITIONING
AER	ARC ENERGY REDUCTION
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AT	AMP TRIP SETTING
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BD	BOARD
BFC	BELOW FINISHED CEILING
BRKR	BREAKER
BLDG	BUILDING
BPS	BOOSTER POWER SUPPLY
C	CONDUIT
C/B	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CRC	CIRCUIT
CLG	CEILING
CO	CONDUIT ONLY, WITH PULL LINE
CONT	CONTINUOUS
CU	COPPER
CWP	METALLIC COLD WATER PIPE
(D)	DEMOLISH
DC	DIRECT CURRENT
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
(E)	EXISTING
E/W	EACH WITH
EA	EACH
EL	EVENING LIGHT
ELEC	ELECTRIC
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQ	END OF LINE DEVICE
EQUIP	EQUIPMENT
(ER)	EXISTING RELOCATED
EW	ELECTRICAL WATER COOLER
EW	ELECTRIC WATER HEATER
(F)	FUTURE
FAFP	FIRE ALARM CONTROL PANEL
FAEP	FIRE ALARM EXTENDER PANEL
FATC	FIRE ALARM TERMINAL CABINET
FBO	FURNISHED BY OTHERS
FLUOR	FLUORESCENT
FT	FOOT
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GLZ	GENERAL LIGHTING ZONE
GND	GROUND
GP	GYPSUM GAS PIPE
GYP	GYPSUM
HID	HIGH INTENSITY DISCHARGE
HT	HORSE POWER
HT	HEIGHT
HERTZ	HERTZ
IMC	INTERMEDIATE METALLIC CONDUIT
IN	INCH
ISC	SHORT CIRCUIT CURRENT (RMS SYMMETRICAL)
ISO	ISOLATED
J-BOX	JUNCTION BOX
KMIL	THOUSAND CIRCULAR MILLS
KVA	KILO VOLT AMP
KW	KILOWATT
LC	LIGHTING CONTROL PANEL
LV	LOW VOLTAGE
MCM	METALLIC CIRCULAR MILLS
MECH	MECHANICAL
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MPEE	MAIN POINT OF ENTRY
MSB	MAIN SWITCHBOARD
(N)	NEW
NIC	NOT IN CONTRACT
NIES	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS.
NL	NIGHT LIGHT
NO #	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OC	OWNER FURNISHED, CONTRTRACTOR INSTALLED
OF	OWNER FURNISHED, OWNER INSTALLED
P	POLE
PB	PULL BOX
PFB	PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE
PDZ	PRIMARY DAYLIT ZONE
PFCT	PROVISION FOR FUTURE CURRENT TRANSFORMER
PH, Ø	PHASE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PVC	POLYVINYL CHLORIDE CONDUIT
(R)	RELOCATE / RELOCATED
REQ'D	REQUIRED
RM	ROOM
RMC	RIGID METAL CONDUIT
(RR)	REMOVE AND REPLACE
SDZ	SECONDARY DAYLIT ZONE
SKZ	SKYLIGHT DAYLIT ZONE
SPEC	SPECIFICATION
STC	SIGNAL TERMINAL CABINET
SQ	SQUARE
SW	SWITCH
TEL	TELEPHONE
TGB	TELECOMMUNICATIONS GROUNDING
TMGB	BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UC	UNDERGROUND
UCN	UNLESS OTHERWISE NOTED
V	VOLTS
WP	WEATHERPROOF
W	WEIGHT
W	WATT
W/	WITH
W/	W/ TRANSFORMER
&	AND

GENERAL NOTES

- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER AS PRESCRIBED BY THE SCHOOL'S REPRESENTATIVE.
- PROTECT EXISTING EQUIPMENT AND FURNISHINGS FROM ANY DAMAGE DUE TO DUST, MOISTURE OR CONTACT WITH WORK CREW OR MATERIALS.
- THE SCHOOL SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY POWER SHUTDOWN OF EXISTING PANELS OR SERVICE. SCHEDULE OF SHUTDOWNS SHALL BE AT CONVENIENCE OF THE SCHOOL. THE SCHOOL MAY, AT THEIR OPTION, HAVE A REPRESENTATIVE PRESENT DURING SHUTDOWN. ALL WORK REQUIRING SHUTDOWNS OF EXISTING PANELS OR SERVICE SHALL BE DONE BETWEEN 12:00 AM MIDNIGHT AND 6:00AM WEEKDAYS OR ON SATURDAY AND SUNDAY. REQUIRED SHUTDOWNS SHALL BE KEPT TO A MINIMUM.
- ADEQUATELY STRAP AND SUPPORT ALL CONDUIT WORK PER CEC. IN GENERAL, SUPPORT ALL CONDUIT WITHIN THREE FEET (3') OF OUTLET BOX, CABINET OR PANEL AND MAXIMUM TEN FEET (10') ON CENTER THEREAFTER.
- CORE BORE SHALL BE 1" DIAMETER LARGER THAN EACH CONDUIT. SPACE CONDUIT HOLES 3" APART. SEAL AROUND CONDUIT WITH NON-SHRINK, NON-METALLIC GROUT.
- ALL CONDUCTORS INSTALLED IN PANELBOARDS SHALL BE TRAINED, LACED, AND INSTALLED WITH PHASE TAPE ON ALL CONDUCTORS.
- LABEL DEVICES (I.E. RECEPTACLES, ETC.) ON EACH COVER PLATE IDENTIFYING CIRCUIT AND PANEL DEVICE IS CONNECTED TO.
- CLEAN ALL EXTERIOR AND INTERIOR SURFACES OF PANELS AND ALL MATERIAL AND METAL SHAVINGS FROM PANEL AND CABINET INTERIORS. ALL OPENINGS SHALL BE SEALED AND APPLY TOUCH-UP SPRAY PAINT WHERE NEEDED.
- FIELD COORDINATE DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- CONTRACTOR WILL PROVIDE WARNING LABELS NOTING THE POTENTIAL FOR ELECTRIC ARC FLASH HAZARDS PER CEC 110.16. PROVIDE LABELS ON EQUIPMENT SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, MOTOR CONTROL CENTERS, MOTOR STARTER / CONTACTOR PANELS, DISCONNECTS, ETC.. PROVIDE WARNING LABELS BY BRADY, MODEL NO. 101517, OR EQUAL, ON ALL EQUIPMENT.
- INSTALLATION SHALL COMPLY WITH CEC 210.4 - EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMMON NEUTRAL SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED.
- SUPPORT ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H).
- SEAL CONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. EQUIPMENT IS INSTALLED ON THE EXTERIOR WALL, STUB CONDUITS THROUGH WALL AND SEAL CONDUIT OPENINGS. THEN INSTALL EXTERIOR EQUIPMENT. ALSO, SEAL AROUND THE PERIMETER EDGE OF THE EQUIPMENT ENCLOSURE BETWEEN THE ENCLOSURE AND BUILDING.
- CONDUITS INSTALLED ON ROOF AND BUILDING EXTERIOR SHALL BE RIGID GALV. STEEL (HEAVY WALL) WITH THREADED FITTINGS. CONDUIT AND WALL TO BE PAINTED OUT TO MATCH EXTERIOR FINISH.
- SPLICES AND TERMINALS SHALL BE COMPRESSION TYPE OF SEAMLESS PURE COPPER, TIN PLATED, LONG BARREL (TERMINALS WITH TWO-HOLE PAD AND INSPECTION WINDOW WITH NEMA DRILLING), AS MANUFACTURED BY BURNDY TYPE YS, YAZ-ZN OR EQUAL. CLEAN ALL SURFACES AND INSTALL WITH OXIDE INHIBITING COMPOUND, BURNDY PENETROX-E OR EQUAL. APPLY COMPOUND BETWEEN BUS AND LUG PAD AND BETWEEN CONDUCTOR AND LUG BARREL. INSTALL COMPRESSION CONNECTORS WITH 360° CIRCUMFERENTIAL COMPRESSION DYE, BURNDY HYPRESS OR EQUAL. THE INDENTER OR OTHER TYPE TOOLS WILL NOT BE ACCEPTABLE.
- INSTALL "MECHANICALLY FASTENED PHENOLIC NAMEPLATE WITH WHITE LETTERING ON BLACK BACKGROUND ON ALL EQUIPMENT, INCLUDING PULL BOXES, WITH DESCRIPTION INDICATED ON DRAWINGS. NAMEPLATES SHALL READ EXACTLY AS DESCRIBED ON THE DRAWINGS. IN GENERAL, NAMEPLATE LETTERING SIZE SHALL BE 3/16" HIGH FOR ALL NAMEPLATES SERVING FEEDER AND BRANCH CIRCUIT BREAKERS. ON MAIN SERVICE PANEL, DISTRIBUTION PANELS AND ALL OTHER NAMEPLATES, LETTERING SHALL BE 1/4" HIGH.
- 17.1. ALL SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, VFD'S, MOTORS, JUNCTION BOXES, PULL BOXES, DISCONNECT SWITCHES, ETC., SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES PER CEC 408.4, FIELD IDENTIFICATION REQUIRED. (B) SOURCE OF SUPPLY.
- COORDINATE EQUIPMENT LOCATIONS, CONTROL AND POWER WIRING REQUIREMENTS AND CONNECT POINTS WITH ALL APPLICABLE DISCIPLINES.
- PROVIDE AND INSTALL FUSES PER UNIT NAMEPLATE DATA ON THE EQUIPMENT PROVIDED.
- A LAMINATED COPY OF THE FINAL RECORD ONE LINE DIAGRAM SHALL BE PLACED IN ELEC ROOM.
- PROVIDE WRING DEVICES AND COVER PLATES IN COLOR(S) SELECTED BY ARCHITECT. THE COLOR OF THE WRING DEVICE AND COVER PLATE SHALL BE THE SAME UNLESS SPECIFICALLY NOTED OTHERWISE.
- RECEPTACLE WEATHERPROOF COVERS SHALL BE LISTED "EXTRA DUTY", LOCKABLE, METAL, IN-USE TYPE.
- REINSTALL EXISTING ELECTRICAL INSTALLATIONS DISTURBED. CERTAIN EXISTING ELECTRICAL INSTALLATIONS MAY BE LOCATED IN WALLS, CEILINGS OR FLOORS THAT ARE TO BE REMOVED AND ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS. WHERE THIS CONDITIONS OCCURS, PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS, RACEWAYS, EQUIPMENT AND OUTLETS TO RETAIN SERVICE CONTINUITY. INSTALLATIONS SHALL BE CONCEALED IN FINISHED AREAS.
- FOR ROOF PENETRATIONS, REFER TO ARCHITECTURAL PLANS FOR INSTALLATION REQUIREMENTS.
- FOR WALL PENETRATION INSTALLATIONS, REFER TO ARCHITECTURAL PLANS FOR REQUIREMENTS.
- PROVIDE "LOOK-ON" DEVICE FOR ALL CIRCUIT BREAKERS ON EMERGENCY DEDICATED CIRCUITS.
- DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. CONTRACTOR SHALL ACCEPT RESPONSIBILITY IN FAMILIARIZING THEMSELVES WITH ARCHITECTURAL AND STRUCTURAL CONDITIONS ALONG WITH INHERENT SPACE LIMITATIONS. WITH THAT UNDERSTANDING SHALL PROVIDE ALL ITEMS OF LABOR, MATERIALS AND TOOLS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
- MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN ANY CONDUIT AND (E) UTILITY CONDUIT.
- FOR INTERSECTING TRENCHED CONDUIT, MAINTAIN OR EXCEED THE MINIMUM CONDUIT DEPTH REQUIREMENTS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED AND BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

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

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

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

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

SYMBOLS LIST

- FUSED DISCONNECT SWITCH
- DUPLEX CONVENIENCE OUTLET
- DOUBLE DUPLEX CONVENIENCE OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DOUBLE DUPLEX OUTLET
- SPECIAL OUTLET TO MATCH CAP PROVIDED WITH MACHINE
- FLUSH FLOOR BOX OR "POKE-THRU" UNIT EQUIPPED WITH FLUSH OR PEDESTAL DUPLEX RECEPTACLE AND VOICE/DATA OUTLETS AS NOTED, OR REFER TO SCHEDULE ON DRAWINGS.
- PLUGMOLD/WIREMOLD RECEPTACLE SYSTEM
- TRANSFORMER
- JUNCTION BOX, SIZE AS REQUIRED BY CODE
- FLEX CONNECTION TO FIXTURE
- PANELBOARD, RECESSED MOUNTED
- PANELBOARD, SURFACE MOUNTED
- MAIN SWITCHBOARD
- TERMINAL CABINET, RECESSED MOUNTED
- TERMINAL CABINET, SURFACE MOUNTED
- HOMERUN TO PANELBOARD OR RESPECTIVE TERMINAL
- CONDUIT RUN CONCEALED IN CEILING OR WALL, SEE SYMBOLS LIST NOTES
- CONDUIT RUN UNDERGROUND OR UNDER FLOOR
- EMERGENCY SYSTEM CONDUIT AND WIRES
- INSULATED GREEN GROUND CONDUCTOR
- INSULATED ISOLATED GROUND CONDUCTOR, GREEN WITH TRACER STRIPE
- CONDUIT RISER
- EXISTING EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN LIGHT. NEW OR RELOCATED EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN DARK.
- EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED
- WIREMOLD SURFACE RACEWAY(S) WITH OUTLETS AS SHOWN OR NOTED, SEE SURFACE RACEWAY SCHEDULE.
- SYMBOLS REFERRING TO KEYED NOTES ON SAME SHEET
- MECHANICAL EQUIPMENT BY OTHERS, CONNECTED BY ELECTRICAL CONTRACTOR
- DETAIL DESIGNATION, "A-1" SIGNIFIES DETAIL, "E-1" SIGNIFIES SHEET NUMBER
- (1)1-1/2'c ← INDICATES SIZE OF CONDUIT = ONE AND ONE HALF INCH CONDUIT
- NUMBER WITHIN PARENTHESIS INDICATES QUANTITY OF CONDUITS

SYMBOLS LIST NOTES:

- MOUNT SWITCH BOXES AT +48" TO TOP OF BOX UNLESS OTHERWISE NOTED.
- MOUNT OUTLET BOXES AT +15" TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- "A" ADJACENT TO OUTLET INDICATES OUTLET BOX TO BE MOUNTED ABOVE COUNTER, COORDINATE WITH COUNTER HEIGHT AND DEPTH PRIOR TO ROUGH IN. MOUNT OUTLET ABOVE COUNTERS AT:
 - +48" MAX TO TOP OF BOX WHERE BOX IS INSTALLED OVER BASE CABINET.
 - +44" MAX TO TOP OF BOX WITH OPEN COUNTERS WITH FORWARD APPROACH.
- OUTLET BOXES SHALL BE:
 - WALL MOUNTED - 4" SQ. x 2-1/8" DEEP MINIMUM
 - CEILING MOUNTED - 4" SQ. OR 4" OCT. x 2-1/8" DEEP MINIMUM
- OUTLET BOXES REQUIRING 1-1/4", 1-1/2" OR 2" CONDUITS SHALL BE 4-11/16" x 3-1/4" DEEP MINIMUM.
- FLUSH MOUNTED OUTLET BOXES SHALL UTILIZE TRIM RINGS. COORDINATE TRIM RING DEPTH WITH WALL FINISH PRIOR TO ROUGH-IN.
- NO CROSSBARS ON CONDUIT RUN INDICATES MINIMUM 1" CONDUIT. TWO #10 CU CONDUCTORS PLUS #10 CU GND. CROSSBARS INDICATE NUMBER OF #10 CU CONDUCTORS IN CONDUIT. CONDUCTOR SIZES OTHER THAN #10 NOTED ON DRAWINGS. INCREASE CONDUIT SIZE AS REQUIRED TO ACCOMMODATE C.E.C. WIRE FILL REQUIREMENTS. INCLUDE ADDITIONAL BOND WIRE IN ALL PVC AND FLEXIBLE CONDUIT. LONG CROSSBAR INDICATES NEUTRAL CONDUCTOR, SHORT CROSSBARS INDICATE PHASE CONDUCTORS.
- INCREASE BRANCH CIRCUIT CU CONDUCTOR SIZES AS REQUIRED BY THE 120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART BELOW. USE CONDUCTOR LENGTHS AS FIELD MEASURED, BASED UPON MEASURED FIELD ROUTING LENGTHS. INCREASE MINIMUM CONDUIT SIZE AS REQUIRED TO ACCOMMODATE A MAXIMUM 40% CONDUCTOR FILL OF THE BRANCH CIRCUIT CONDUCTORS. WHERE NECESSARY, PROVIDE A JUNCTION BOX AT ACCESSIBLE CEILING SPACE TO CONVERT THE LAST 15 FEET OF CONDUCTORS TO #10 AWG TO ACCOMMODATE TERMINATION OF CONDUCTORS AT WIRING DEVICES, LIGHTING FIXTURES, CIRCUIT BREAKER, ETC.
- INSTALL CU GROUND CONDUCTOR IN ALL BRANCH CIRCUITS FOR LIGHT FIXTURES AND POWER DEVICES.

120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART

LOAD IN VOLT AMPERES	LENGTH OF CONDUCTOR WIRE SIZE IN (GAUGE)			
	#12	#10	#8	#6
1200VA	74	121	183	284
1560VA	57	93	141	218
1800VA	49	81	122	189
1920VA	46	76	115	178
2340VA	X	62	94	146
2880VA	X	51	76	118
3000VA	X	48	73	114
3900VA	X	X	56	87
4800VA	X	X	46	71

- NOTES
- THIS CHART IS FOR COPPER CONDUCTORS ONLY.
 - THIS CHART ASSUMES AN 80% POWER FACTOR AND STEEL RACEWAYS.
 - 2019 CALIFORNIA ENERGY CODE, 130.5(c) ALLOWS A MAXIMUM COMBINED VOLTAGE DROP OF 5%. THIS CHART ASSUMES A MAXIMUM DROP OF 3% FOR FEEDERS. THIS CHART PROVIDES THE MAXIMUM LENGTH OF CONDUCTORS FOR LESS THAN 2% VOLTAGE DROP ON A BRANCH CIRCUIT AT GIVEN VA LOAD.
 - USE WIRE SIZE FROM THIS CHART UNLESS LARGER CONDUCTOR SIZES ARE NOTED ON THE DRAWINGS.
 - FOR VA VALUES NOT SHOWN USE NEXT HIGHEST VALUE FROM THE CHART

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120000 INC:
REVIEWED FOR
DATE: 04/19/2022

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Sacramento, CA 95826
Tel (916) 447-2841
www.peterseng.com
Job no. 22.020
consulting mechanical and electrical engineers

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
17247
Exp. 6/30/22
ELECTRICAL STATE OF CALIFORNIA
PLOT DATE: 4/13/2022

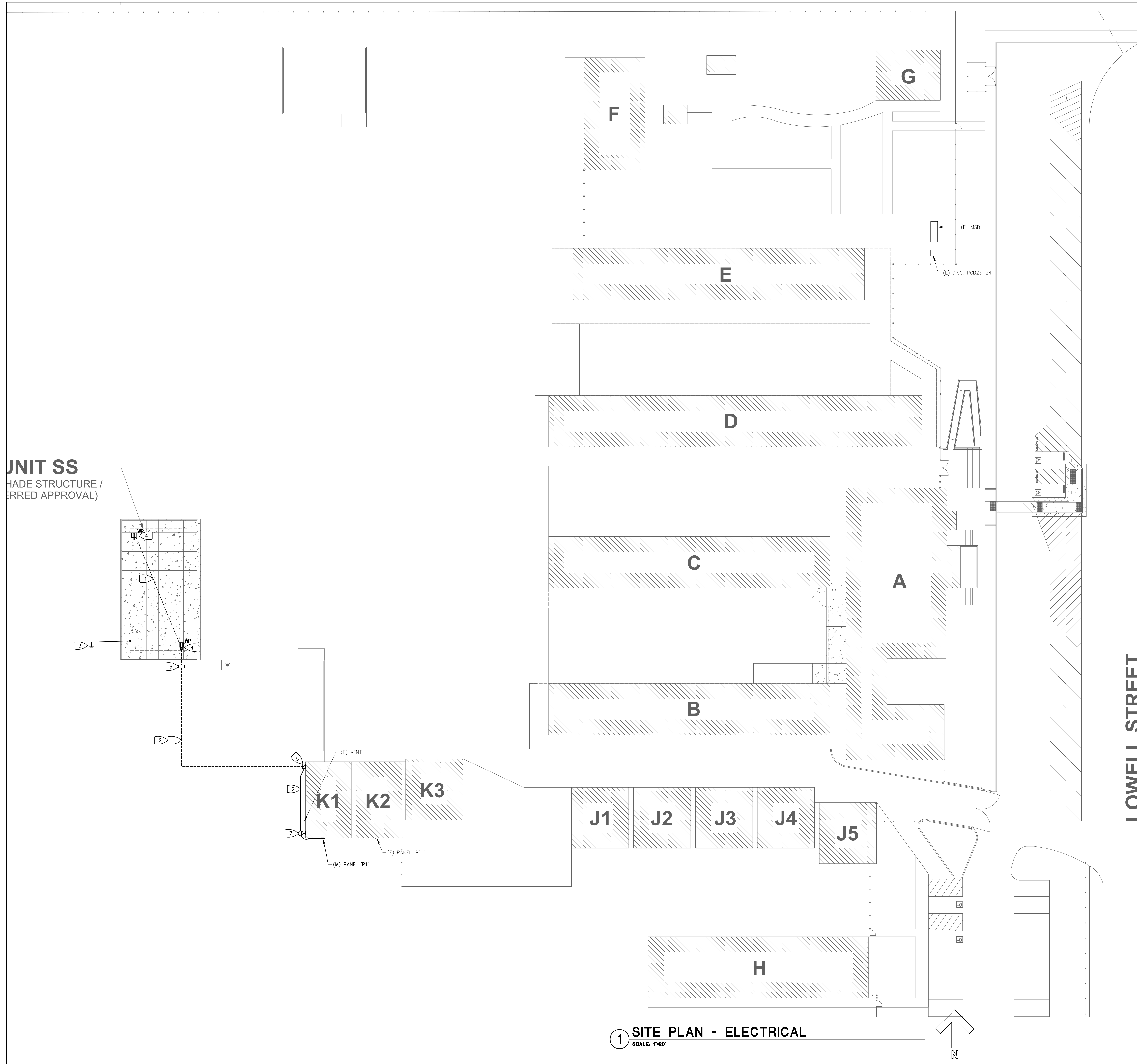
SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

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SYMBOLS, NOTES

PROJECT NO. 1504.13
DATE: 3/21/2022
SHEET



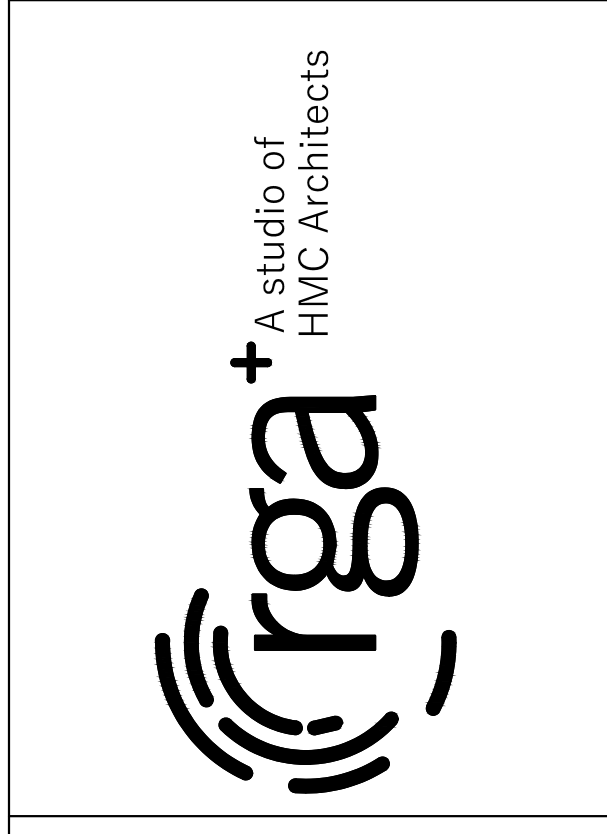
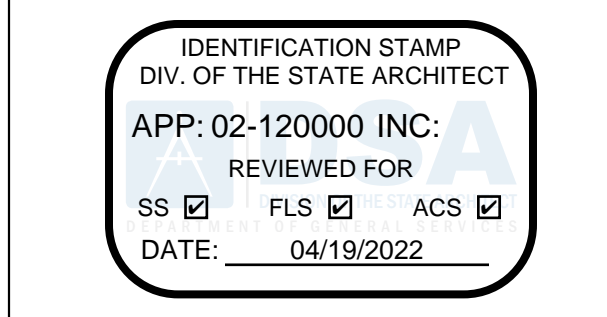
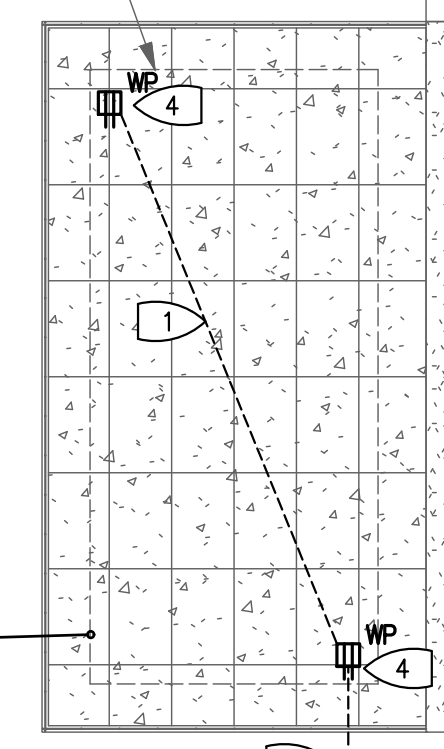
SHEET NOTES:

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.
2. SEE ONE LINE DIAGRAM AND PANEL SCHEDULE ON SHEET **E2.1** FOR REFERENCE.

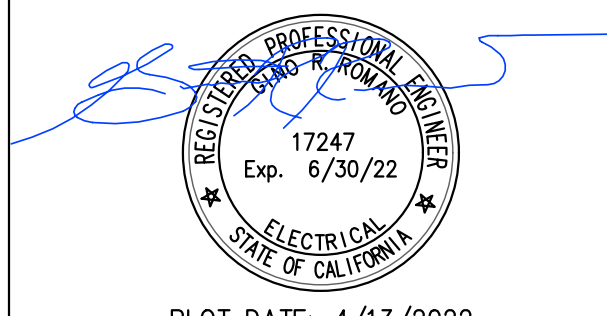
KEYED NOTES:

1. PROVIDE TRENCH FOR 24 INCH MINIMUM COVER. LOCATE AND PROTECT (E) UTILITIES, I.E. IRRIGATION, SEWER, DRAINAGE PIPES, ETC. PROVIDE SAND TO COVER CONDUIT TO SIX(6) INCHES, THEN ADD TRACER TAPE. COMPLETE BACKFILL TO GRADE WITH NATIVE SOIL. COMPACT IN SIX(6) LIFTS. FINISH TO MATCH EXISTING. SEE DETAIL **3/E3.1**.
2. RUN CONDUIT BELOW THE HVAC UNIT; THEN RISE CONDUIT HIGH ON WALL AS CLOSE TO THE EAVE AS POSSIBLE TO WRAP AROUND BUILDING, AND DROP CONDUIT TO BELOW GRADE. TRENCH TO SHADE LOCATION, INTERCEPTING THE CHRISTY BOX ALONG THE WAY. PAINT EXPOSED CONDUIT TO MATCH (E) FINISH.
3. PROVIDE AT MINIMUM TWO(2) GROUND RODS, EACH 5/8" BY TEN(10) FEET LONG, CU, AT LEAST TEN(10) FEET APART. BOND TO METAL OF SHADE STRUCTURE. SEE DETAIL **5/E3.1**.
4. LOCKABLE, WEATHERPROOF RECEPTACLE TO HAVE A TWO-GANG BACK BOX WITH 1" THREADED PORT(S). MOUNT RECEPTACLES 36" ABOVE GRADE UNLESS SPECIFIED OTHERWISE. SEE DETAIL **4/E3.1**.
5. PROVIDE 8" BY 6" BY 4" NEMA 3R PULL BOX.
6. PROVIDE CHRISTY B1324 PULL BOX WITHIN FIVE(5) FT OF SHADE STRUCTURE. CHRISTY BOX TO HAVE HOLD DOWN BOLTS AND BE LABELED FOR POWER. SEE DETAIL **2/E3.1**.
7. PROVIDE J-BOX HIGH ON WALL. PAINT TO MATCH (E) FINISH.

UNIT SS
(SHADE STRUCTURE / REFERRED APPROVAL)



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PLOT DATE: 4/13/2022

SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
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SITE PLAN - ELECTRICAL

PROJECT NO. 1504.13
DATE: 3/21/2022
SHEET **E1.1**

1 SITE PLAN - ELECTRICAL
SCALE: 1"=20'

MODIFIED

PANEL: P1		MANF: SQUARE-D	MAIN: 100/2	SERVICE: 120 /208 VOLT	MOUNTING: SURFACE	ENCLOSURE: 10K	AIC: 100% NEUT.
TYPE: HOMELINE LC		BUSS: 100 AMP	FEEDER RATING: 100 AMP	1 Ø, 3W	WIDTH: 1200	DEPTH: 1200	
AØ	BØ	DIRECTORY	BRKR	CKT	CKT BRKR	DIRECTORY	AØ BØ
4854	4854	HVAC	7/2	5	6 20/1	RECEPTS	1200 1200
		LIGHTING	20/1	9	8 20/1	RECEPTS - SHADE STRUCT. [9]	380
		SPACE	PFB	11	12	PFB SPACE	
		SPACE	PFB	13	14	PFB SPACE	
		SPACE	PFB	15	16	PFB SPACE	
NEW LOAD		SERV AND RECEPTS		PEAK DEMAND @ 125% + (N) LOAD		TOTAL DEMAND LOAD	
AØ =	6414 VA	AMPS	53.5	19.1	23.9	77.3 A	9279 VA
BØ =	6054 VA	AMPS	50.6	25.8	32.3	82.7 A	9624 VA

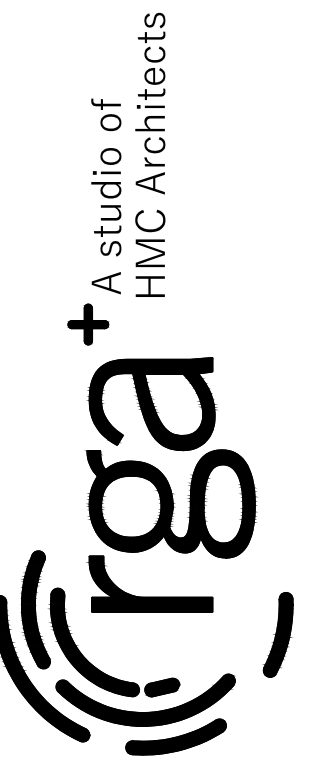
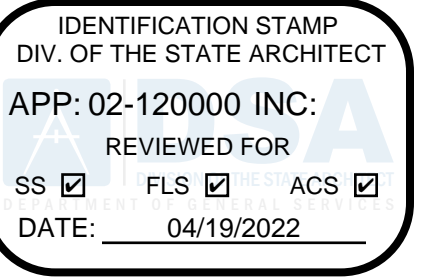
- NOTES:
1. FEEDER CONDUCTORS CONSIST OF 3#2 + 1#8 GND CU
 2. BRANCH BREAKERS ARE SQUARE-D TYPE HOM
 3. PROVIDE TYPE-WRITTEN PANEL DIRECTORY
 4. ALL NEW BREAKERS TO MATCH EXISTING TYPES
 5. PROVIDE NEW 20 AMP, SINGLE-POLE BREAKER

SHEET NOTES:

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.

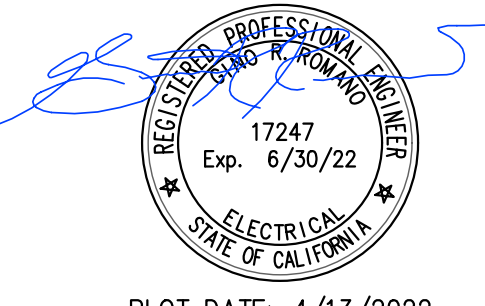
KEYED NOTES:

1. MODIFIED PANEL SERVES EQUIPMENT BEING ADDED IN THIS PROJECT. SEE PANEL SCHEDULE ON THIS SHEET FOR REFERENCE.

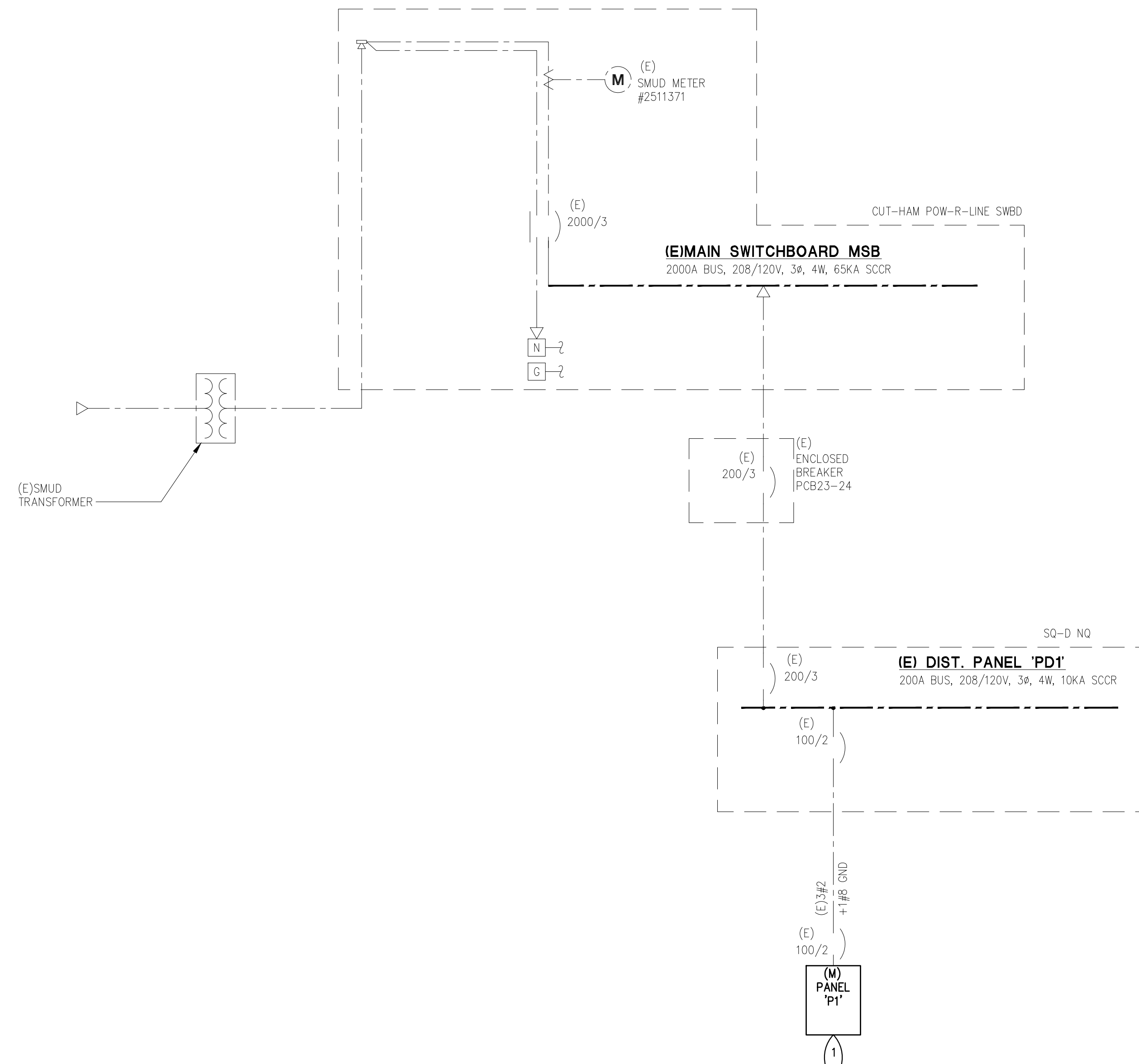


Voltage Drop Calculations Copper											
Job Name: Earl Warren Elementary School - Shade Structure										Job #: 22.020	
Date: 3/10/2022											
VOLTAGE: 120		PHASE: 1		POWER FACTOR: 80%		CONDUIT: Steel					
FEEDER NUMBER	AMPS AT LOAD	KVA TOTAL	VOLTS AT LOAD	DISTANCE FEET	DISTANCE TOTAL	WIRES/ WIRE	LOAD/ WIRE	WIRE SIZE	WIRE FACTOR	VOLTS DROP	PERCENT VOLT DROP
RECEPT-1	3.0	0.4	118.48	254	254	1	3.00	10	1995	1.52	1.27%
RECEPT-2	1.5	0.2	118.28	68	322	1	1.50	10	1995	1.72	1.44%

PETERS engineering 7750 College Town Dr. ste.101 Sacramento, CA 95826 Tel (916) 447-2841 www.peterseng.com Job no. 22.020 consulting mechanical and electrical engineers



PLOT DATE: 4/13/2022



SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
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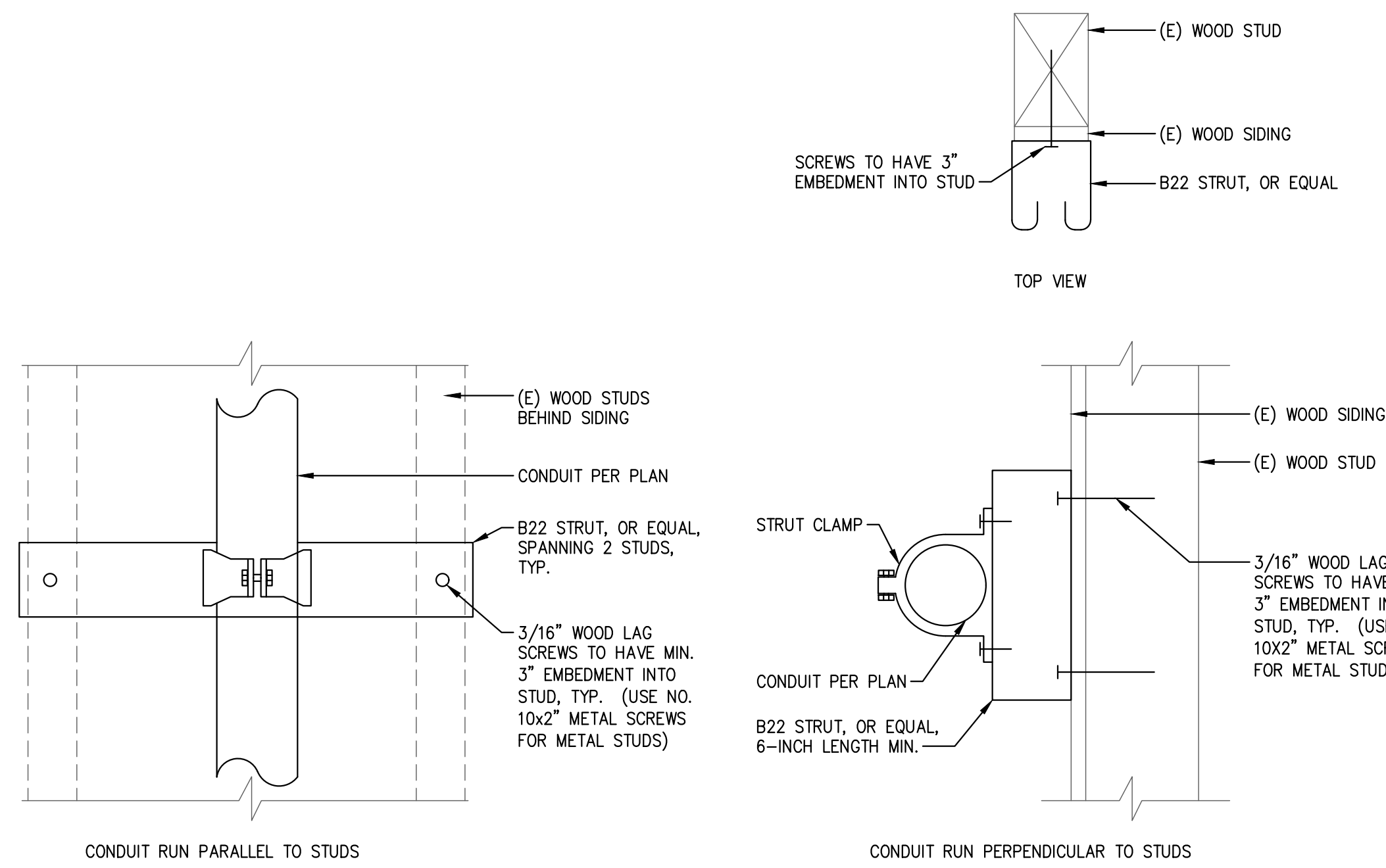
ONE LINE DIAGRAM

1 ONE LINE DIAGRAM

SCALE: NONE

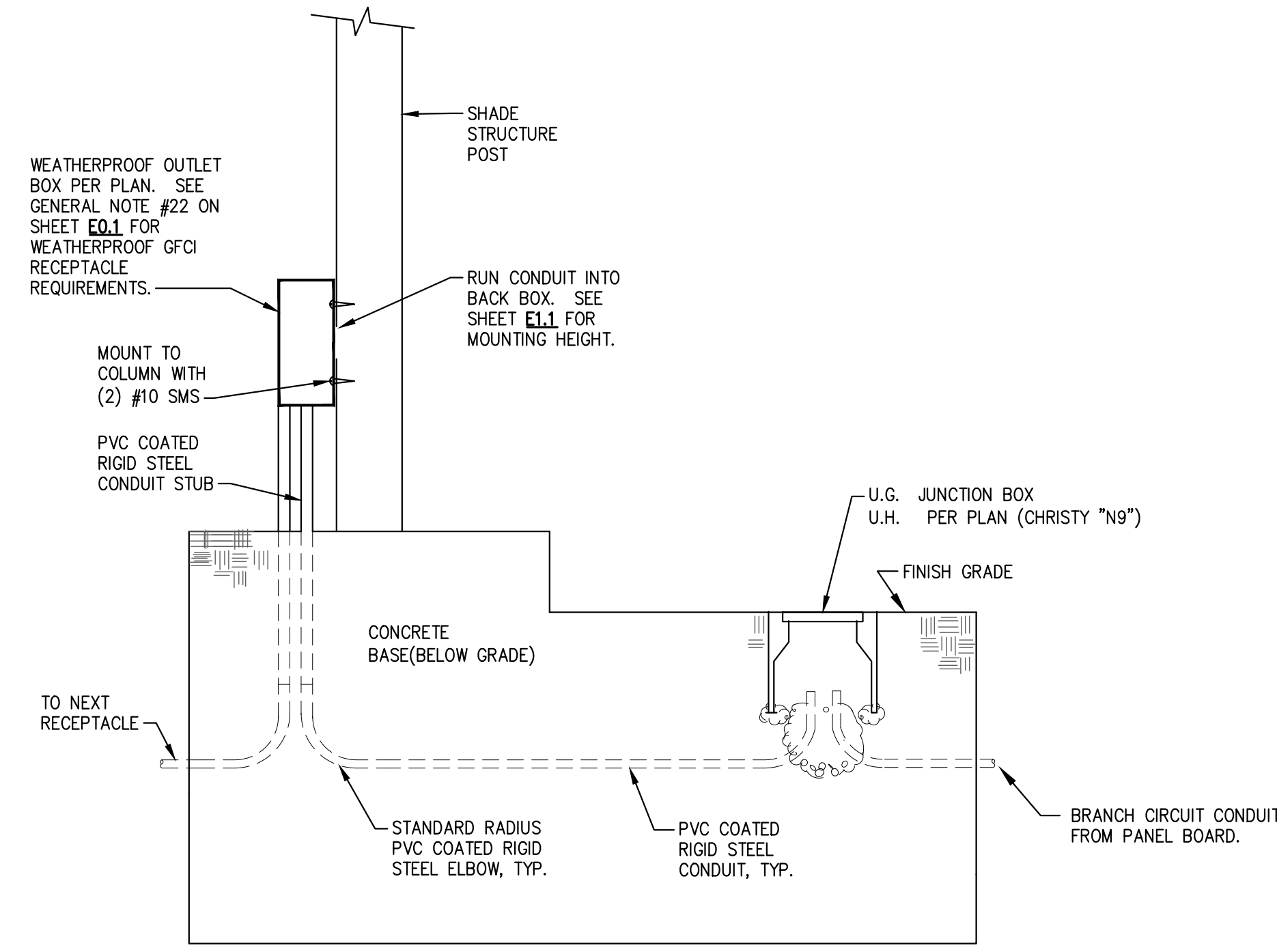
PROJECT NO. 1504.13
DATE: 3/21/2022
SHEET

E2.1

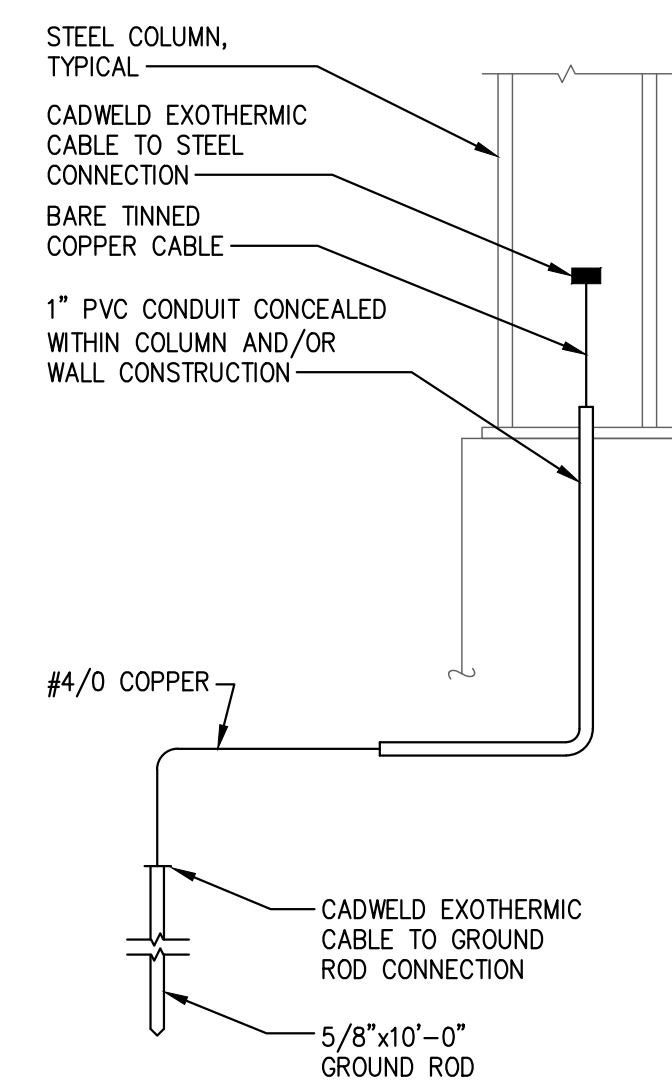


- NOTES:
- CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING TEN(10) FEET AND NOT MORE THAN THREE(3) FEET FROM THE OUTLET AND AT ANY POINT WHERE IT CHANGES DIRECTION.
 - PERFORATED STRAP AND PLUMBER'S TAPE SHALL NOT BE PERMITTED.
 - MAXIMUM CONDUIT AND CONDUCTOR WEIGHT IS 1.83LBS PER LINEAR FOOT.

7 CONDUIT MOUNTING DETAIL - STUD WALLS
SCALE: NONE

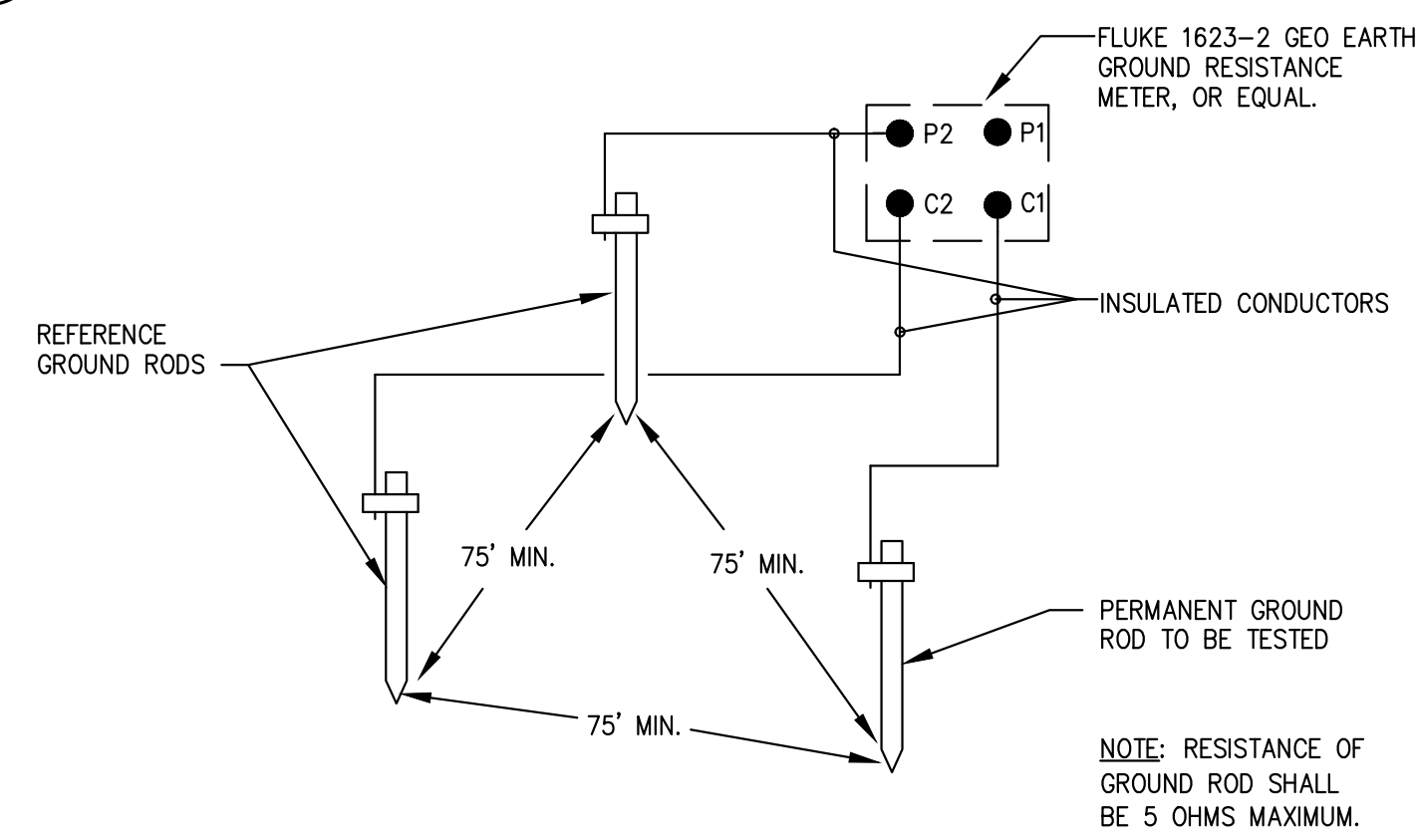


4 CONDUIT STUB IN POST DETAIL
SCALE: NONE

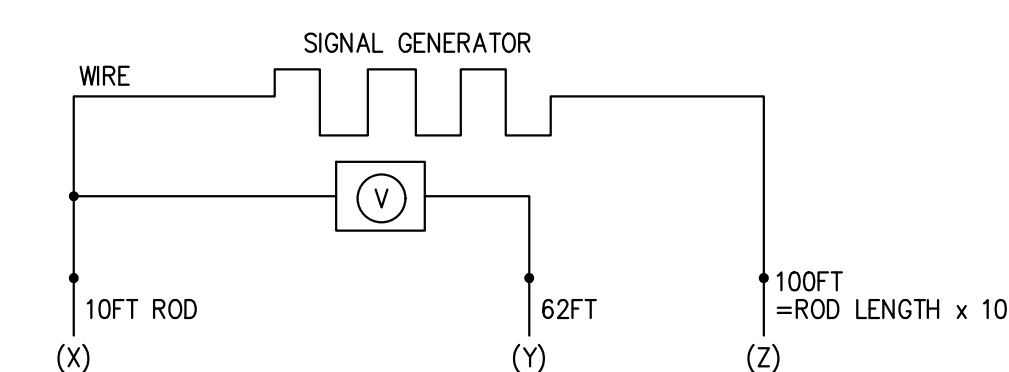


- NOTES:
- ALL GROUNDING CONNECTIONS SHALL BE IN CONFORMANCE WITH N.E.C. ARTICLE 250.
 - FOR ALL ADDITIONAL REQUIREMENTS REFER TO SPEC SECTIONS 26 05 10.

5 TYPICAL STEEL COLUMN & REBAR GROUNDING DETAIL
SCALE: NONE



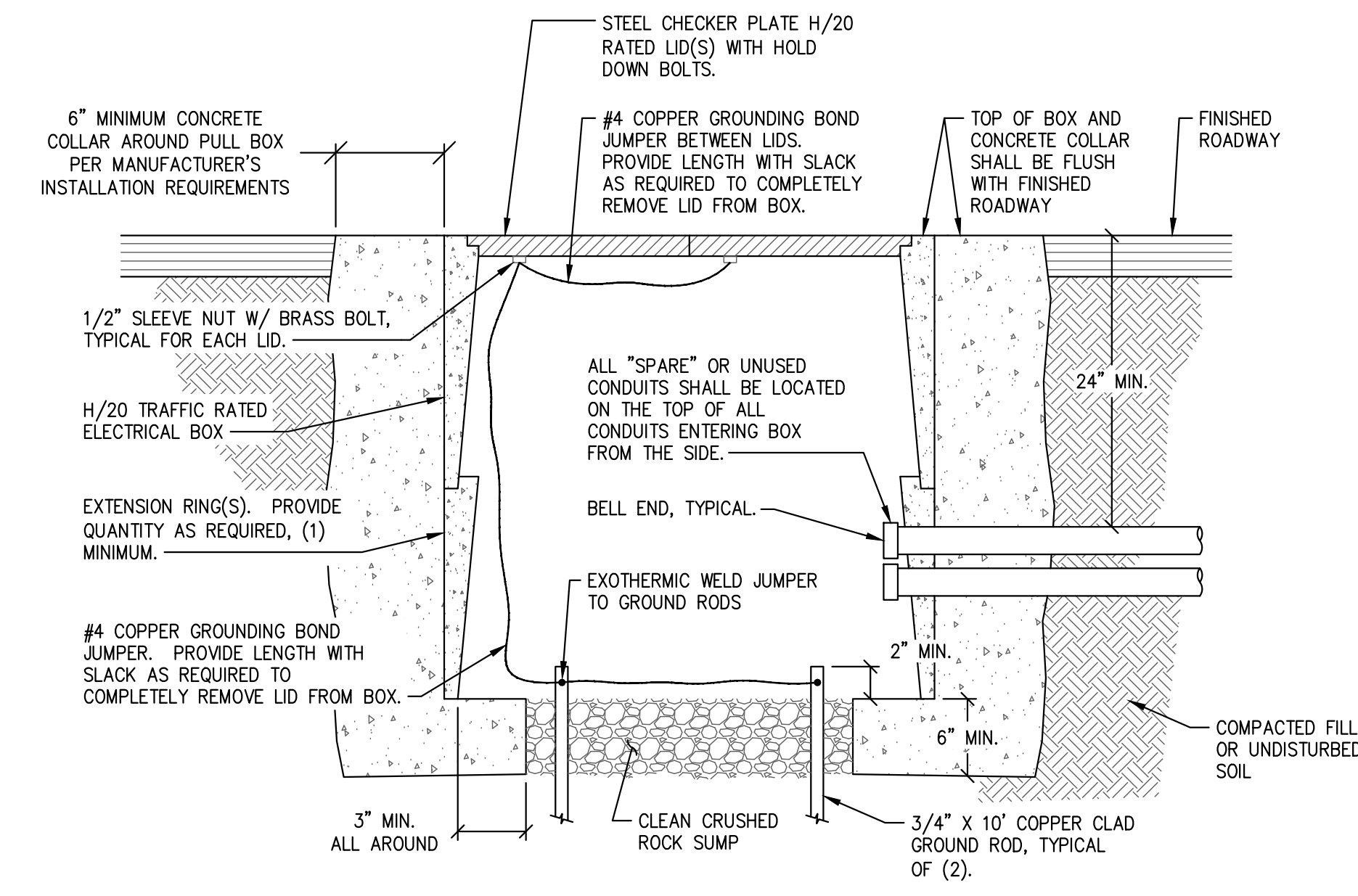
- FALL OF POTENTIAL TEST METHOD NOTES:
- POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500KVA OR LESS: 10 OHMS.
 - POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500 TO 1000KVA: 5 OHMS.
 - POWER EQUIPMENT OR SYSTEMS WITH CAPACITY GREATER THAN 1000KVA: 3 OHMS.
 - POWER DISTRIBUTION UNITS OR PANELBOARDS SERVING ELECTRONIC I.T. EQUIPMENT: 3 OHMS.
 - MAN-HOLE GROUNDS: 10 OHMS.
- FALL OF POTENTIAL 3-POINT TEST: GROUND RING, I.E. 10 BY 10 RING, 14\"/>



AT THIS POINT, A KNOWN CURRENT IS APPLIED ACROSS X & Z, WHILE THE RESULTING VOLTAGE IS MEASURED ACROSS X & Y. OHMS LAW APPLIED $R=V/I$. THEN (Y) MOVED TO 2 TIMES THE DIAGONAL LENGTH, THEN MOVE OUT TO 3 TIMES(3X), 4X, ... 9X THE DIAGONAL LENGTH TO COMPLETE THE 3 POINT TEST WITH A TOTAL OF NINE RESISTANCE MEASUREMENTS.

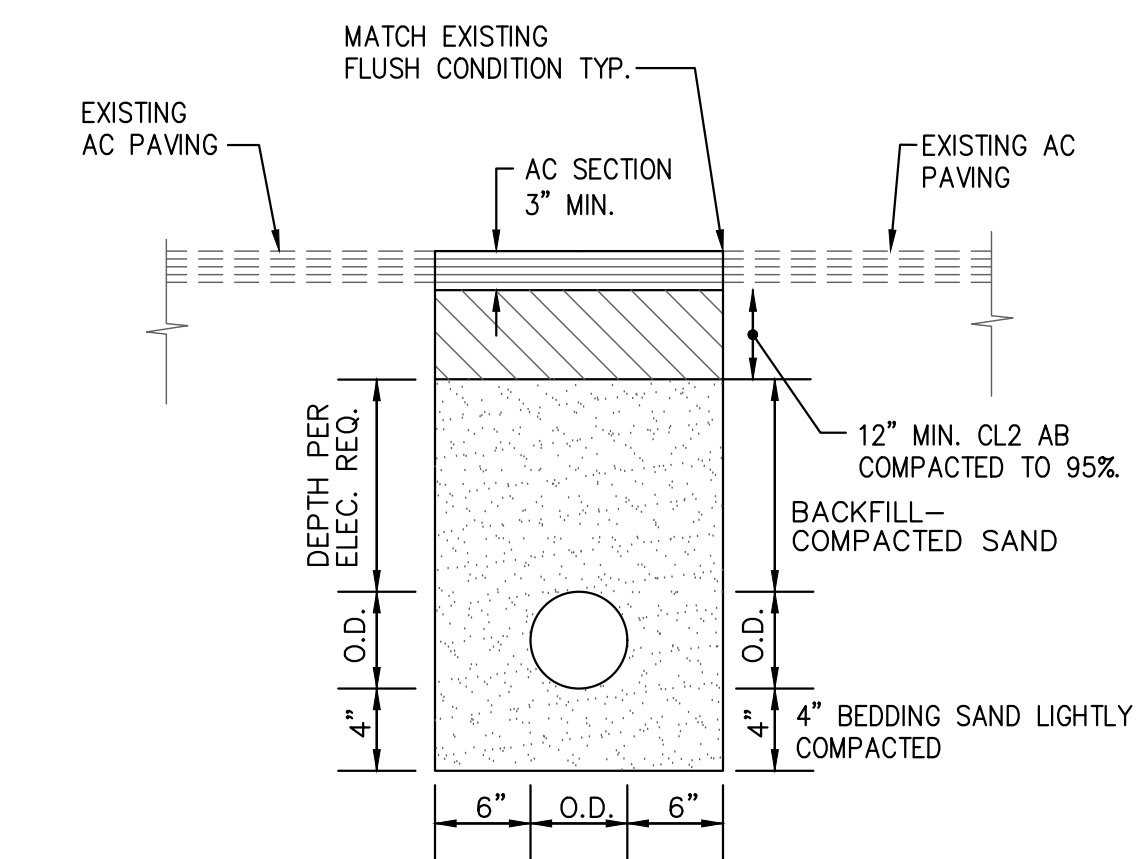
6 METHOD OF TESTING GROUND RODS DETAIL
SCALE: NONE

1 DETAIL REMOVED
SCALE: NONE



- NOTES:
- PROVIDE H/20 TRAFFIC RATED BOXES IN ALL LOCATIONS WITH VEHICLE TRAFFIC
 - CONTRACTOR SHALL PROVIDE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR H/20 TRAFFIC RATING REQUIREMENTS AS PART OF THE SUBMITTALS.

2 TYPICAL H/20 TRAFFIC RATED PULL BOX
SCALE: NONE



3 TYPICAL TRENCH DETAIL
SCALE: NONE

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STATE OF CALIFORNIA
ELECTRICAL

PLOT DATE: 4/13/2022

SHADE STRUCTURE AT EARL WARREN
ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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DETAILS

PROJECT NO. 1504.13
DATE: 3/21/2022
SHEET

E3.1

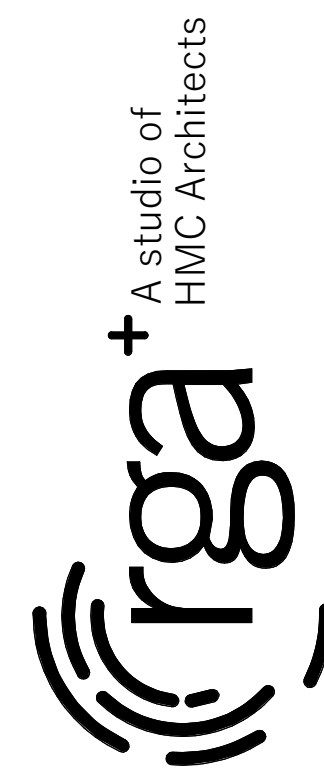
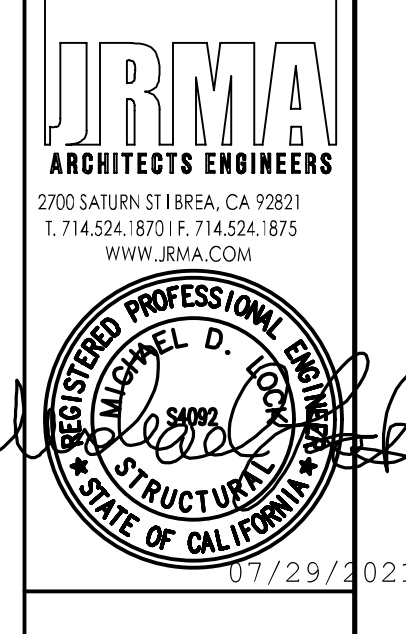


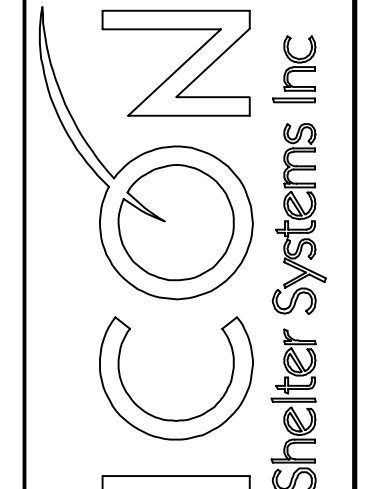
Table with columns: ICON STD, R4/DSA-PC, DRAWN BY, DATE, REV, REV DATE



04/22/2021

APPROVED DIV. OF THE STATE ARCHITECT APP: 04-20019-PC REVISED FOR DATE: 08/06/2021

GENERAL INFO



1455 LINCOLN AVE HOLLAND MI, 49423 616.396.0919 800.748.0985 616.396.0944 FX

LS1.0

PRINTED ON:

SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

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GENERAL INFO

PROJECT NO. 1504.13 DATE: 3/22/2022 SHEET LS1.0

DESIGN CRITERIA table with columns: DESCRIPTION, DESIGN VALUES

- 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...

- STRUCTURAL AND MISCELLANEOUS STEEL 1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL...

- WELDING: 1. ALL WELDING SHALL COMPLY WITH AWS D11.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA...

- FOUNDATIONS: 1. ALLOWABLE SOIL REQUIREMENTS ASSUME CLASS 5 SOIL CLASSIFICATION PER CBC TABLE 1806A, UNLESS NOTED OTHERWISE...

Table with columns: STRENGTH Pz (28 DAYS), W/C RATIO, W/C RATIO (AR ENTRAINED), SLUMP (in), UNIT WEIGHT (NORMAL WEIGHT)

Table with columns: STEP 1, STEP 2, STEP 3, STEP 4, STEP 5, STEP 6, STEP 7, STEP 8, STEP 9, STEP 10

Table with columns: DESCRIPTION, Ss REGION, Ss REGIONS, MAX DEAD LOAD

- CONSTRUCTION NOTES 1. A DSA-CERTIFIED CLASS 3 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT...

- REINFORCING STEEL 1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS...

Table with columns: ACI, AMERICAN CONCRETE INSTITUTE, MPH, MILES PER HOUR

Table with columns: STEP 7, CLEAR HEIGHT, ELECTRICAL CUTOUTS, GUTTERS

Table with columns: STEP 8, SHEET INDEX, BASE FRAME, ROOF PANEL TYPE

Table with columns: DESCRIPTION, DESIGN VALUES

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

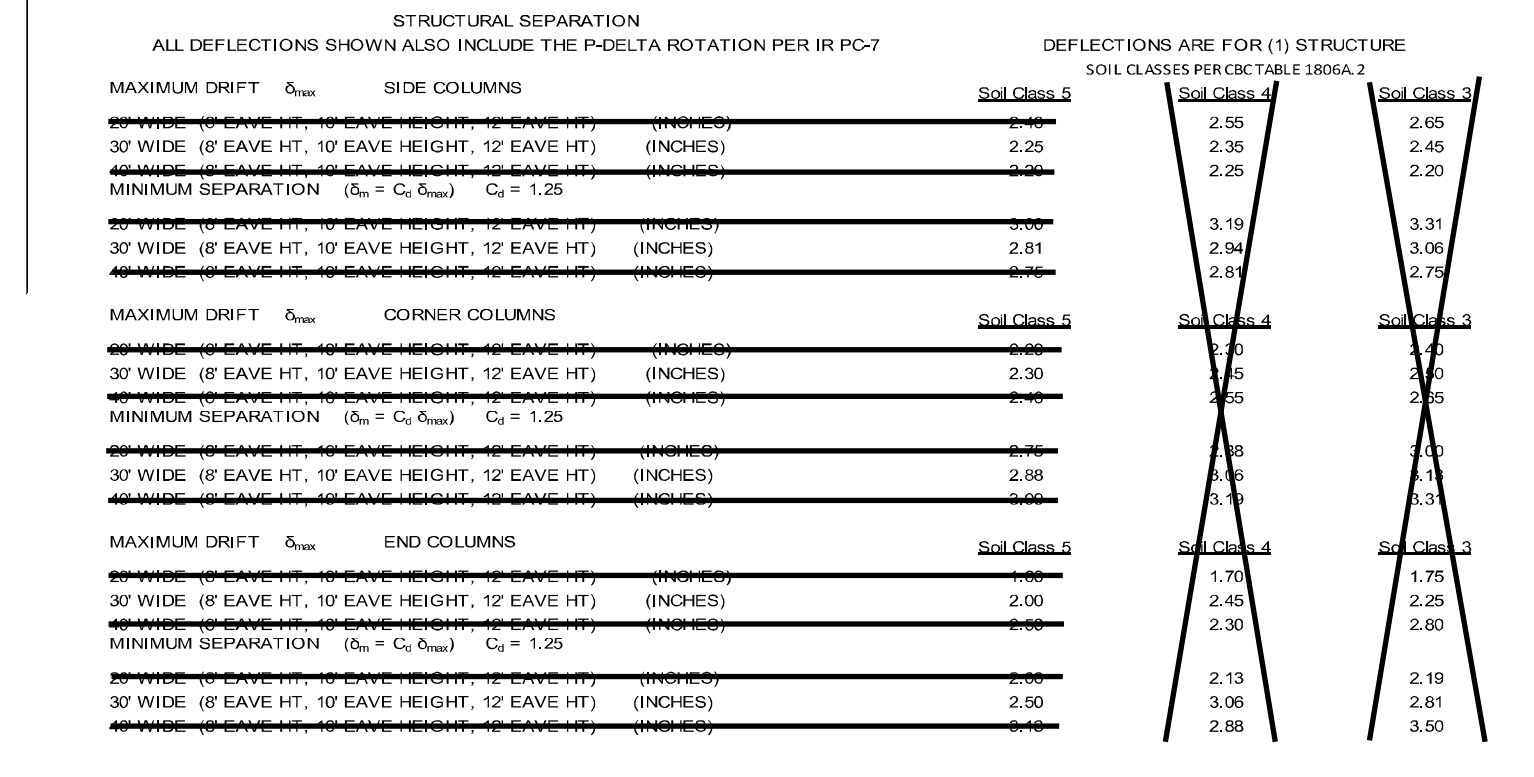
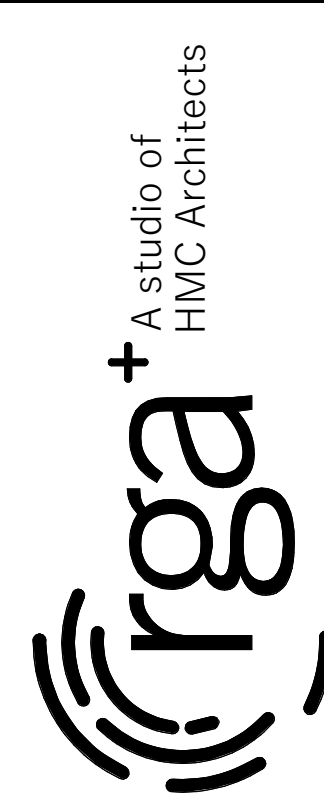


Table with columns: DESCRIPTION, DESIGN VALUES

RELATED BUILDING CODES AND STANDARDS TITLE 24 CODES:

- 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR) 2019 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, AND 2 (PART 2, TITLE 24, CCR)

SCOPE OF WORK NARRATIVE THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE...

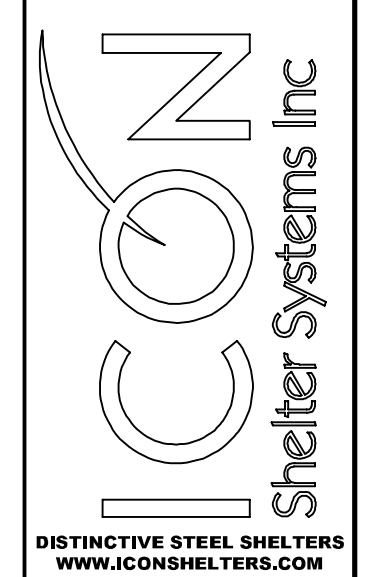


ICON STD: RH/DSA-PC
DRAWN BY: ANGEL
DATE: 4/2/2021
REV
REV DATE



APPROVED
DIP. OF THE STATE ARCHITECT
APP: 04-120013-PC
REVIEWED FOR
SS □ DS □ ACS □ CG □
DATE: 08/06/2021

DSA 103



1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

LS1.1

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

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ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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DSA 103

PROJECT NO. 1504.13
DATE: 3/22/2022
SHEET

LS1.1

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 5. RETAINING WALLS and 6. OTHER SOIL.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 3 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 19.1 SHOP WELDING and 23. ANCHOR BOLTS AND ANCHOR RODS.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 8 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
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School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS) and 4. CONCRETE PIERS.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 3 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC
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School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSE and 18. WELDS.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 7 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

Geotechnical Reports: Project's geotechnical report, or CDs indicate soils special inspection is required by GE

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 1. GENERAL and 2. SOIL COMPACTION AND FILL.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 2 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC
Application Number: 04-00000
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Date Created: 2021-07-14 05:50:33
Increment Number:

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSE and 18. HIGH-STRENGTH BOLTS: RCSC 2.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 6 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. This appendix is the bottom of this form identifying work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form, such as structural steel framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc. (per Title 24, Part 2, Chapter 17A (2019 CBC)).

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

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 1 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 1. CAST-IN-PLACE CONCRETE and 2. SOIL COMPACTION AND FILL.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 5 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

Table with 4 columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes section 23. ANCHOR BOLTS AND ANCHOR RODS.

DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 11 of 11

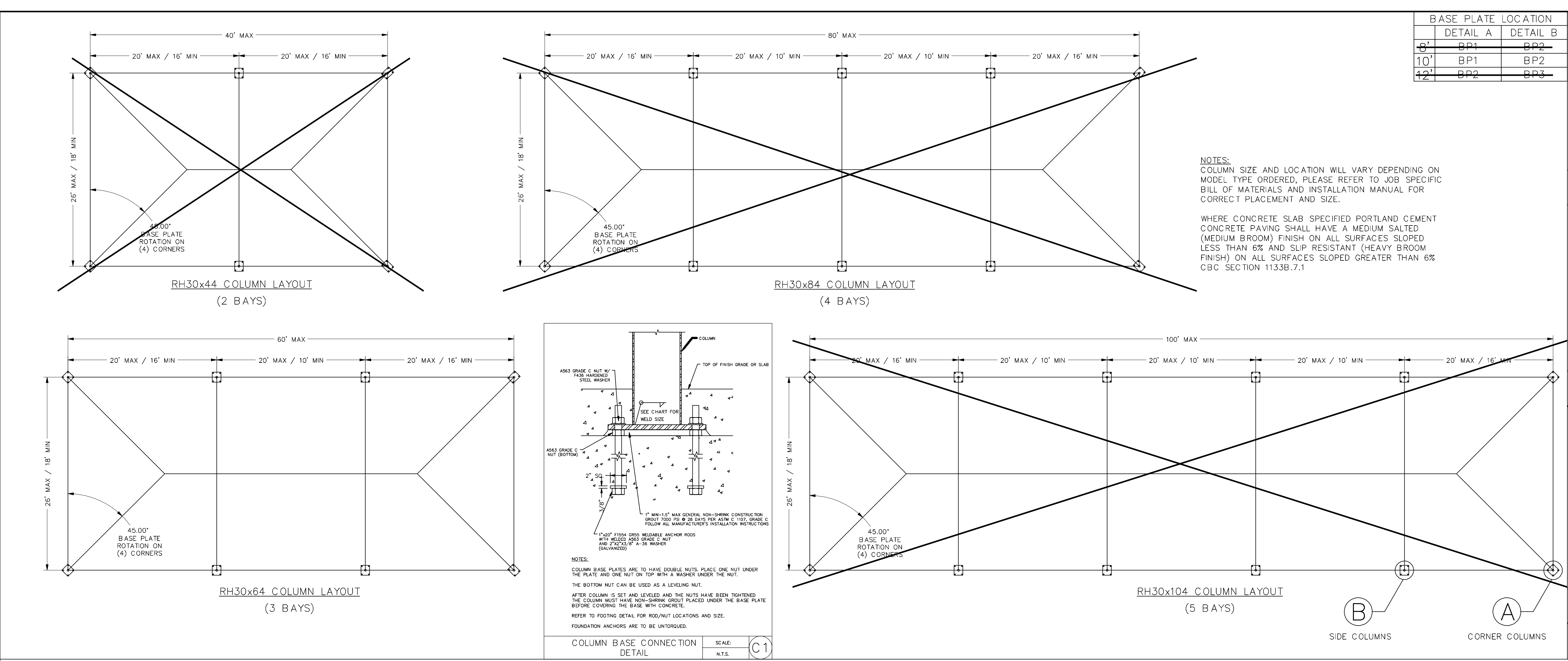
DSA 103-19: LIST OF REQUIRED VERIFIED REPORTS, CBC 2019
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33
Increment Number:

- 1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

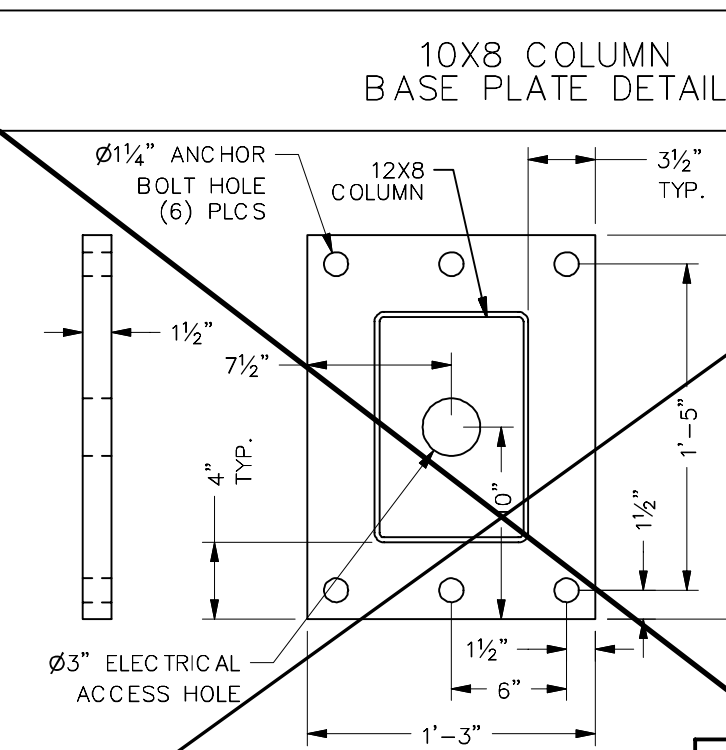
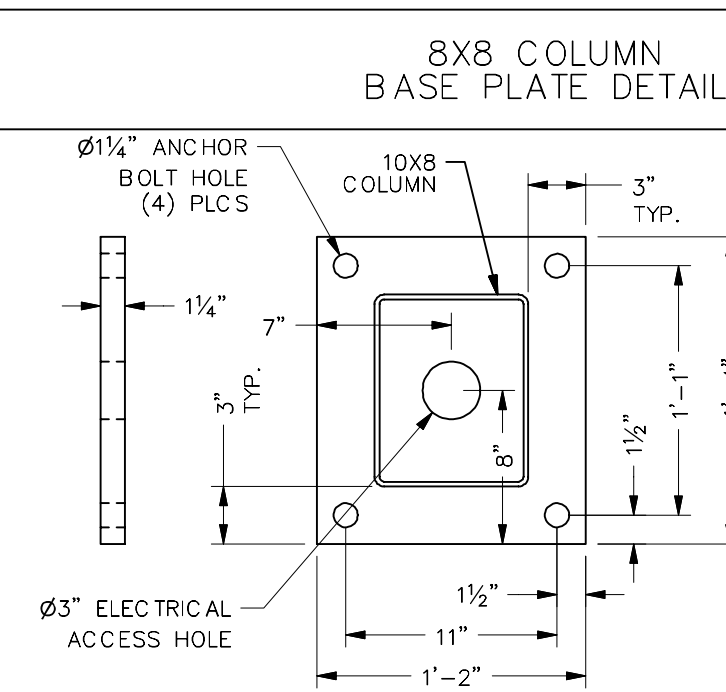
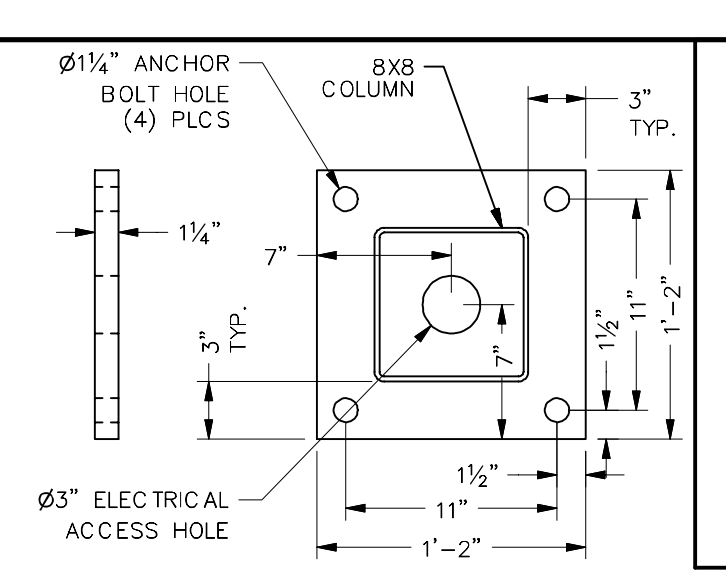
DGS DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 11 of 11

FOR ALL TESTING AND INSPECTION ITEMS SEE THE DSA APPROVED 103 FOR THIS PROJECT.

DSA STAMP



BASE PLATE LOCATION	
DETAIL A	DETAIL B
6"	BP1
10"	BP1
12"	BP2



NOTES:
COLUMN SIZE AND LOCATION WILL VARY DEPENDING ON MODEL TYPE ORDERED, PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL FOR CORRECT PLACEMENT AND SIZE.

WHERE CONCRETE SLAB SPECIFIED PORTLAND CEMENT CONCRETE PAVING SHALL HAVE A MEDIUM SALTED (MEDIUM BROOM) FINISH ON ALL SURFACES SLOPED LESS THAN 6% AND SLIP RESISTANT (HEAVY BROOM FINISH) ON ALL SURFACES SLOPED GREATER THAN 6% CBC SECTION 1133B.7.1

ICON STD 84/05A-PC
DRAWN BY ANGEL
DATE 4/2/2021
REV
REV DATE

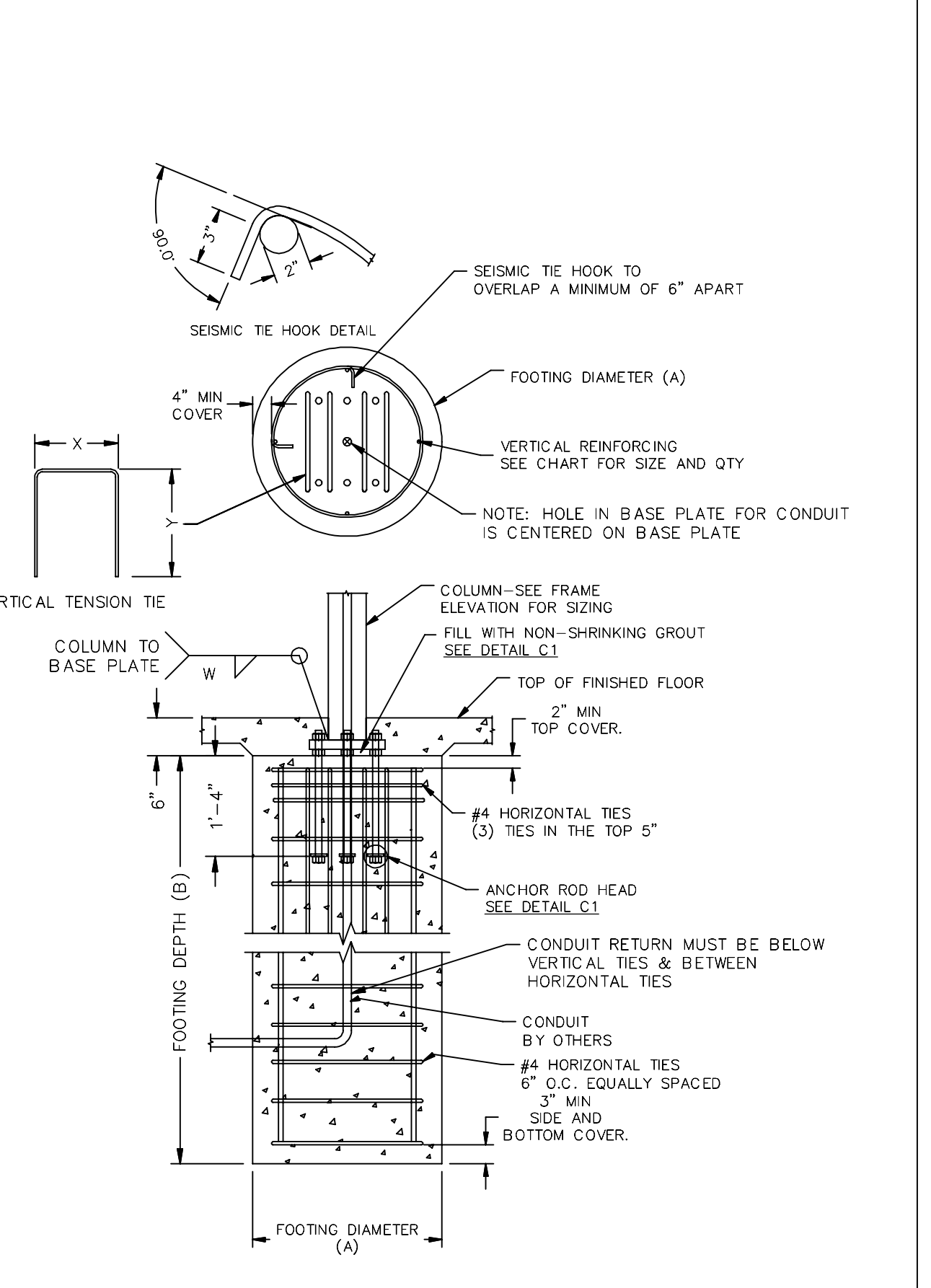
JRMA ARCHITECTS ENGINEERS
2202 SUTHER ST BRCA, CA 95821
1714 25th St #117, Oakland, CA 94612
WWW.JRMA.COM

PROFESSIONAL SEAL
D. ANGEL
REGISTERED PROFESSIONAL ARCHITECT
STATE OF CALIFORNIA
1/29/2021

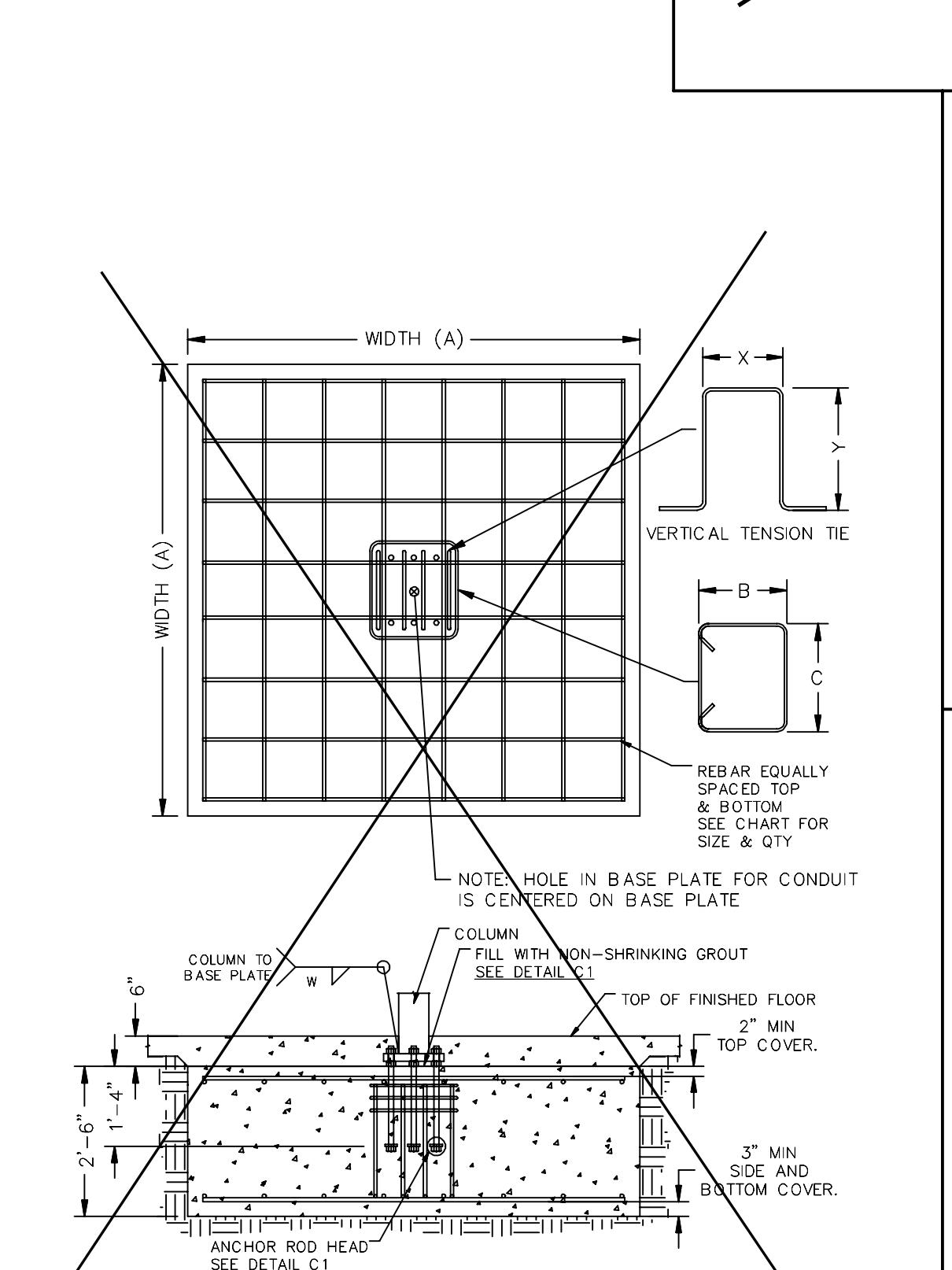
APPROVED
D. OF THE STATE ARCHITECT
APP: 04-20019-PC
REVISION FOR
SS [] PLS [] ACS [] CG []
DATE: 08/06/2021

30' WIDE RECTANGULAR HIP

RH30 - PIER		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns	
Soil Class 5 - 1500 psf Bearing		Soil Class 4 - 2000 psf Bearing		Soil Class 3 - 3000 psf Bearing		Soil Class 3 - 3000 psf Bearing		Soil Class 3 - 3000 psf Bearing	
Dia (A)	Depth (B)	Rebar Qty	Rebar Size	Dia (A)	Depth (B)	Rebar Qty	Rebar Size	Dia (A)	Depth (B)
24	114	6	6	24	98	6	6	24	88
36	144	12	6	30	132	6	6	30	118
48	180	18	6	36	168	6	6	36	154



RH30 - SPREAD		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns	
Soil Class 5 - 1500 psf Bearing		Soil Class 4 - 2000 psf Bearing		Soil Class 3 - 3000 psf Bearing		Soil Class 3 - 3000 psf Bearing		Soil Class 3 - 3000 psf Bearing	
Size (A)	Depth (B)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (B)	T&B Rebar Qty	Rebar Size	Size (A)	Depth (B)
60	30	6	6	56	30	4	6	54	30
80	30	5	6	72	30	5	6	68	30
100	30	5	6	92	30	5	6	88	30



30' WIDE RECTANGULAR HIP FOUNDATION PLAN

ICON Shelter Systems Inc
1455 LINCOLN AVE HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

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

LS3.0

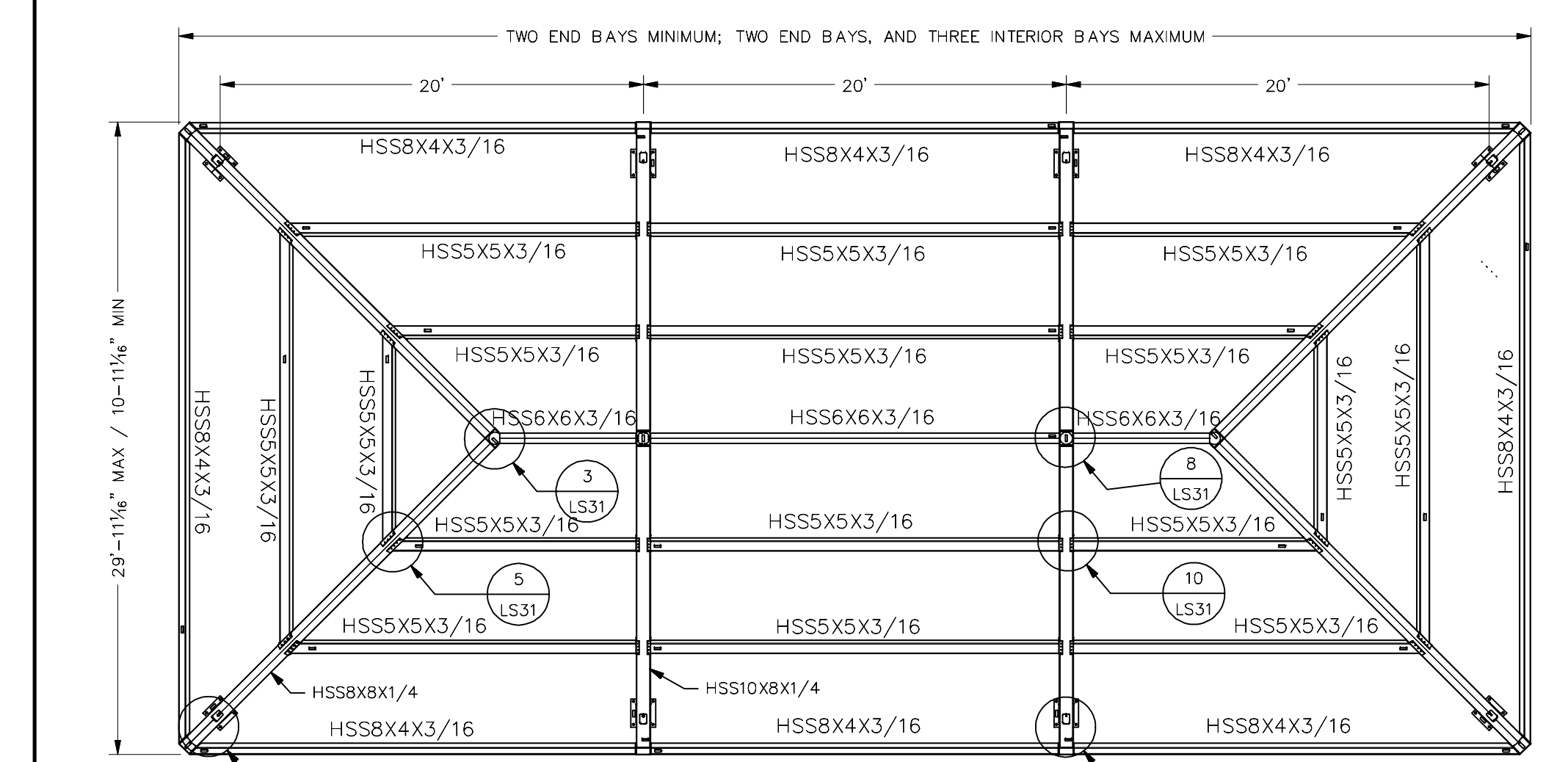
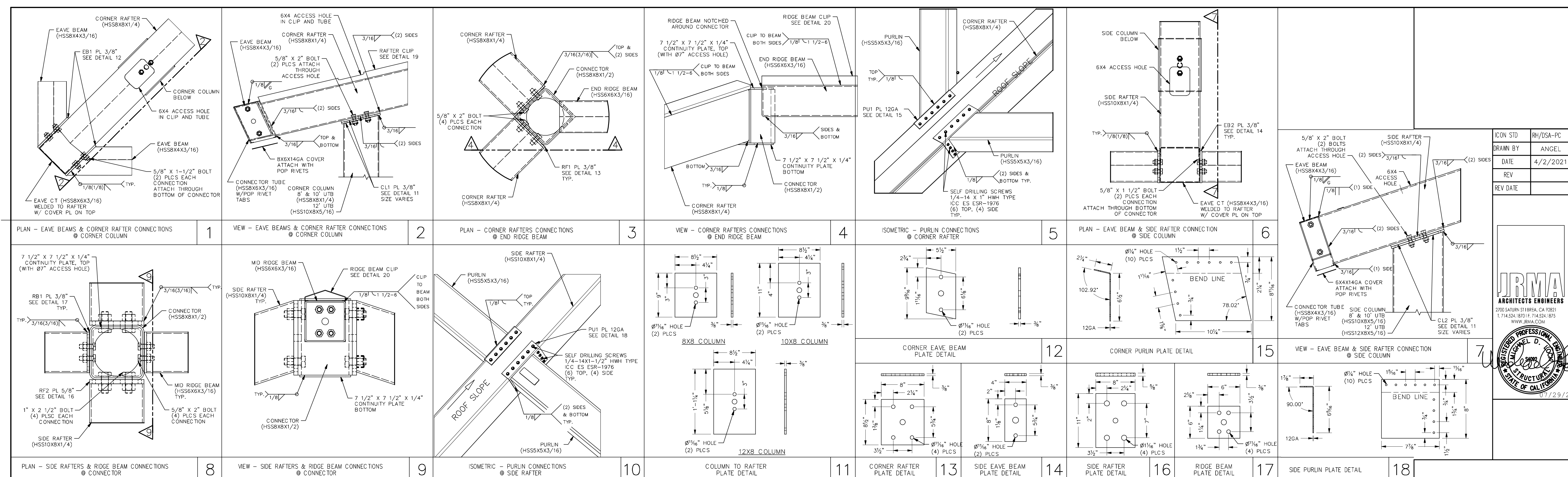
SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

30' WIDE RECTANGULAR HIP FOUNDATION PLAN

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PROJECT NO. 1504.13
DATE: 3/22/2022
SHEET LS3.0



**NOTE:
QUANTITIES WILL VARY DEPENDING ON SHELTER SIZE ORDERED. PLEASE
REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL.

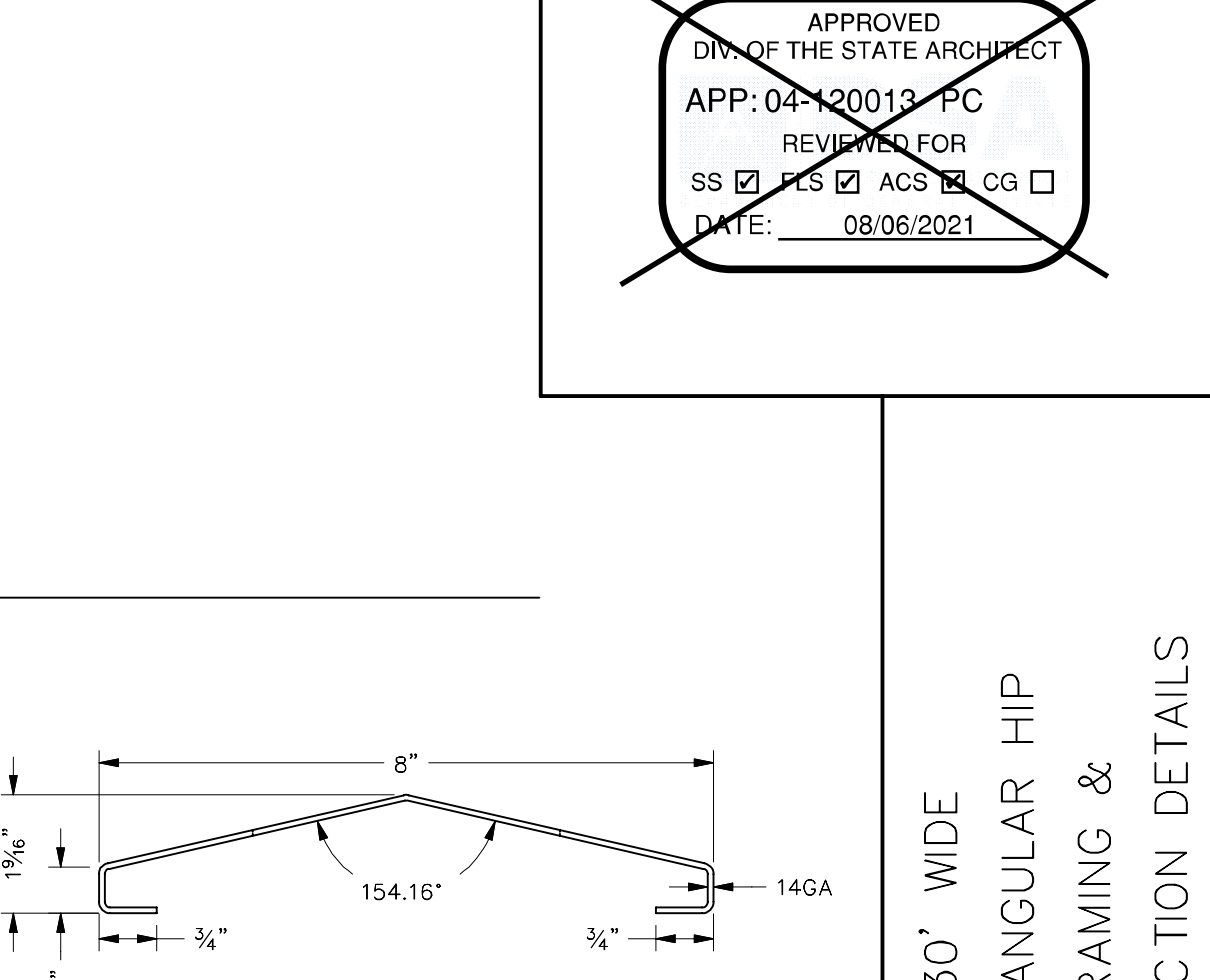
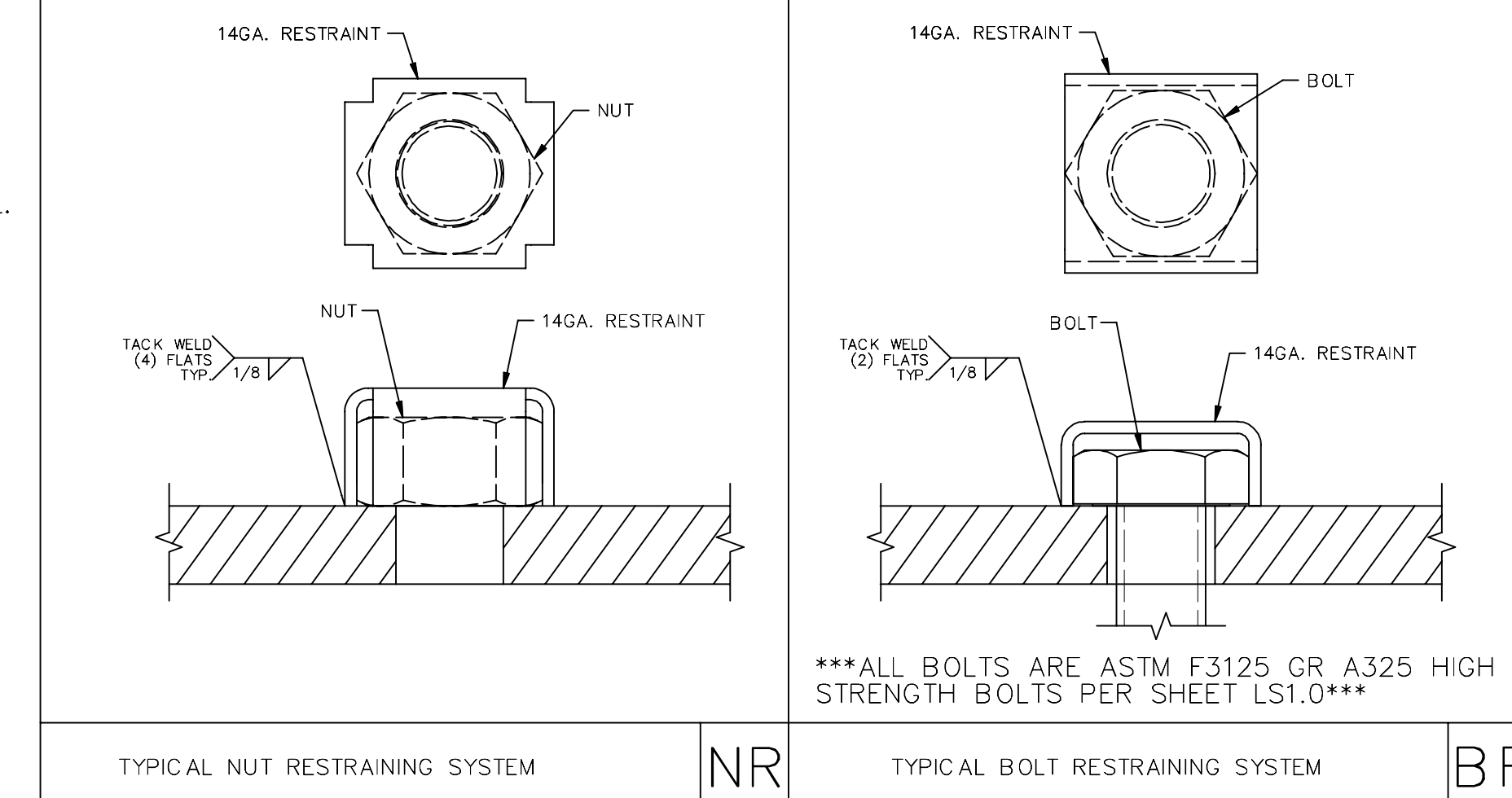
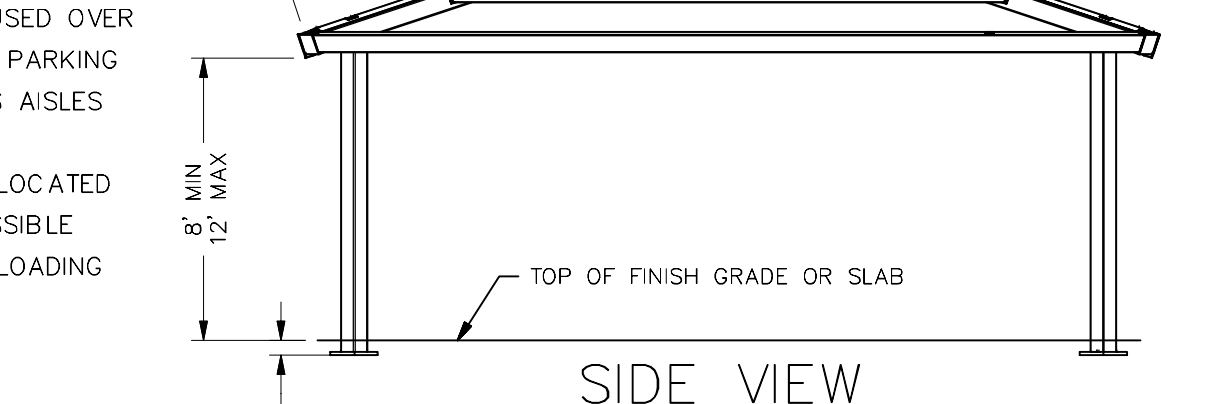
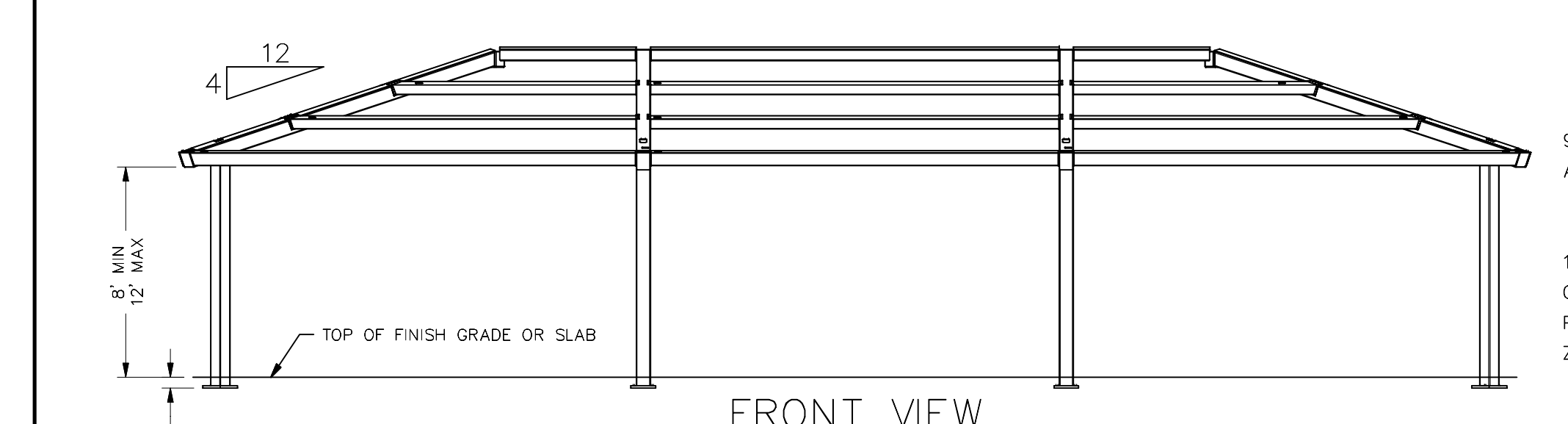
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	4		CORNER COLUMN	**SEE NOTE BELOW		353 lbmass
2	*		SIDE COLUMN	**SEE NOTE BELOW		399 lbmass
3	2		LH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
4	2		RH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
5	2		END EAVE BEAM	HSS8X4X3/16		422 lbmass
6	*		SIDE EAVE BEAM	HSS8X4X3/16		287 lbmass
7	4		CORNER RAFTER	HSS8X8X1/4		607 lbmass
8	*		SIDE RAFTER	HSS10X8X1/4		474 lbmass
9	2		END RIDGE BEAM	HSS8X6X3/16		149 lbmass
10	*		MID RIDGE BEAM	HSS8X6X3/16		328 lbmass
11	*		CONNECTOR	HSS8X8X1/2		48 lbmass
12	2		LH SIDE PURLIN 1	HSS5X5X3/16		238 lbmass
13	2		RH SIDE PURLIN 1	HSS5X5X3/16		238 lbmass
14	2		END PURLIN 1	HSS5X5X3/16		278 lbmass
15	2		LH SIDE PURLIN 2	HSS5X5X3/16		167 lbmass
16	2		RH SIDE PURLIN 2	HSS5X5X3/16		167 lbmass
17	2		END PURLIN 2	HSS5X5X3/16		137 lbmass
18	*		MID PURLIN	HSS5X5X3/16		284 lbmass

**NOTE:
MATERIAL WILL VARY DEPENDING ON SHELTER SIZE ORDERED.

- CORNER COLUMN 8' UTB - (HSS8X8X1/4)
- SIDE COLUMN 8' UTB - (HSS10X8X5/16)
- CORNER COLUMN 10' UTB - (HSS8X8X1/4)
- SIDE COLUMN 10' UTB - (HSS10X8X5/16)
- CORNER COLUMN 12' UTB - (HSS10X8X5/16)
- SIDE COLUMN 12' UTB - (HSS12X8X5/16)

MODEL DESIGNATION

RH30X44	2 BAY
RH30X64	3 BAY
RH30X84	4 BAY
RH30X104	5 BAY



SECTION PROPERTIES
A=0.863 in² Fy=36 ksi
Ix=0.197 in⁴ Sx=0.296 in³
Iy=6.579 in⁴ Sy=1.645 in³

SECTION PROPERTIES
A=0.857 in² Fy=36 ksi
Ix=0.087 in⁴ Sx=0.03 in³
Iy=2.92 in⁴ Sy=0.97 in³

APPROVED
DIR. OF THE STATE ARCHITECT
APP: 04-20013 PC
REVIEWED FOR
SS [] PLS [] ACS [] CG []
DATE: 08/06/2021

30' WIDE
RECTANGULAR HIP
FRAMING &
CONNECTION DETAILS

CONZ
Shelter Systems Inc
DISTINCTIVE STEEL SHEDS™
WWW.CONZSHELTERS.COM
COPYRIGHT 2004, CONZ SHELTER SYSTEMS, INC.

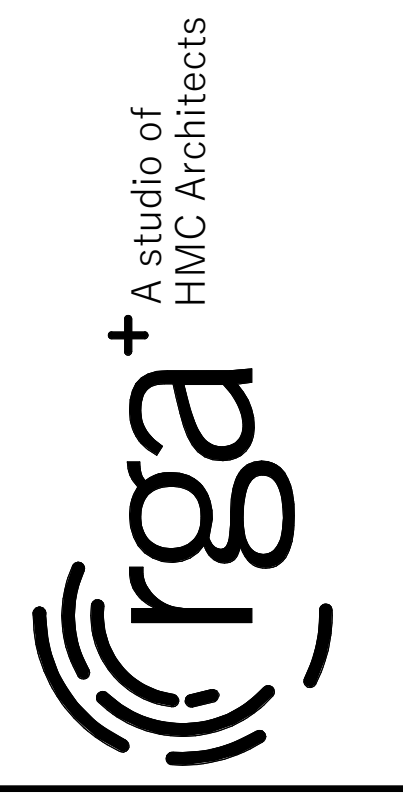
1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

LS3.1

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

SHADE STRUCTURE AT EARL WARREN
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision	
PROJECT NO.	1504.13
DATE:	3/22/2022
SHEET	LS3.1



ICON STD	R4/OSA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	

JRMA
 ARCHITECTS ENGINEERS
 2200 SATORI ST BRSA, CA 95871
 1714224-8070 / 916-424-9173
 WWW.JRMA.COM

PROFESSIONAL SEAL
 MICHAEL D. COHEN
 REGISTERED PROFESSIONAL ARCHITECT
 STATE OF CALIFORNIA
 07/29/2021

ELECTRICAL INFORMATION - RECTANGULAR HIP

ICON'S STANDARD ELECTRICAL IS DESIGNED TO ACCOMMODATE Ø1/2" CONDUIT WITH A Ø3" INLET HOLE ON THE BOTTOM OF EACH COLUMN. THE CONDUIT PATHWAY RUNS THROUGH THE COLUMN, RAFTER, AND RIDGE BEAM THROUGH ALL BOLTED CONNECTIONS AS SHOWN. IF YOU HAVE SPECIAL ELECTRICAL REQUIREMENTS, PLEASE OUTLINE ANY CHANGES BELOW AS DESCRIBED.

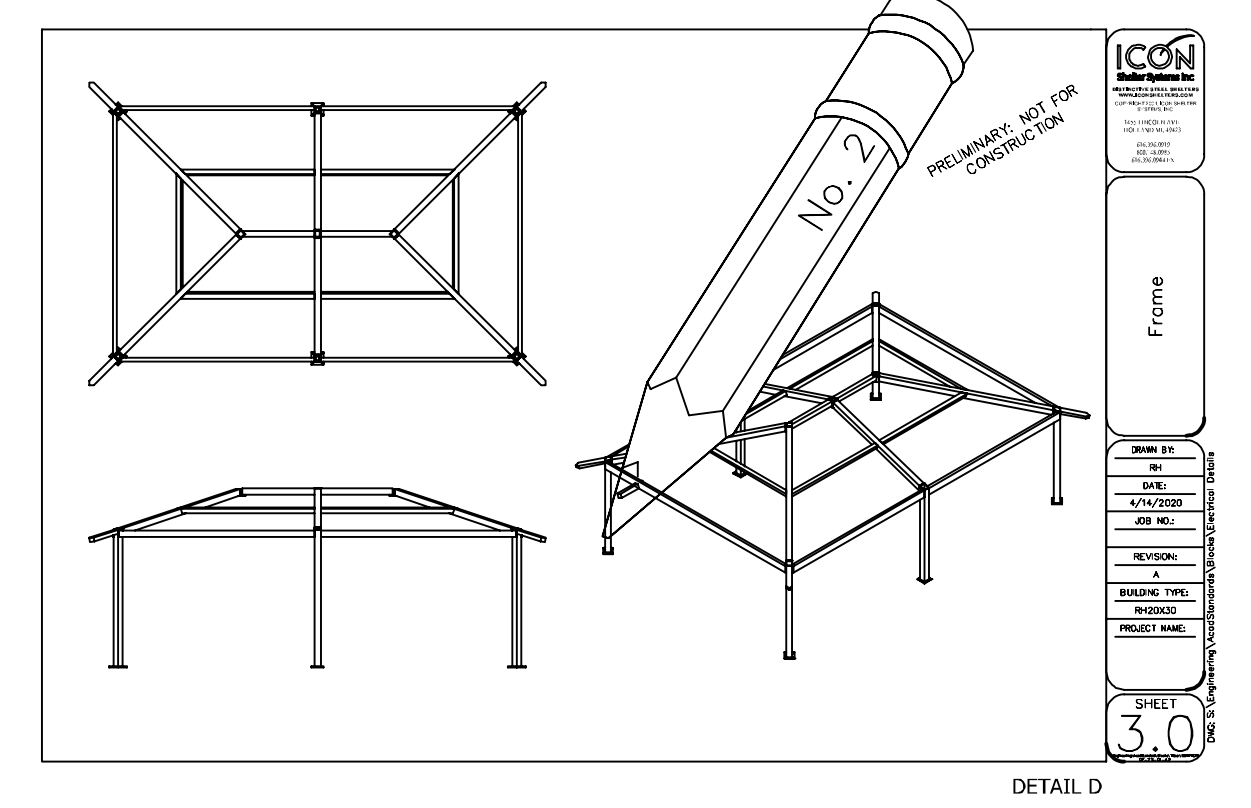
PLEASE NOTE: DESIGN LIMITATIONS ON HOLE/CUTOUT SIZES MAY APPLY. ICON WILL REACH OUT TO DISCUSS ANY SUCH LIMITATIONS AS NEEDED.

NOTE: ICON SHELTER FRAME IS NOT UL LISTED TO ACT AS A CONDUIT FOR ELECTRICAL WIRING. CONSULT LOCAL BUILDING CODES WHEN PLANNING YOUR ELECTRICAL SYSTEM.

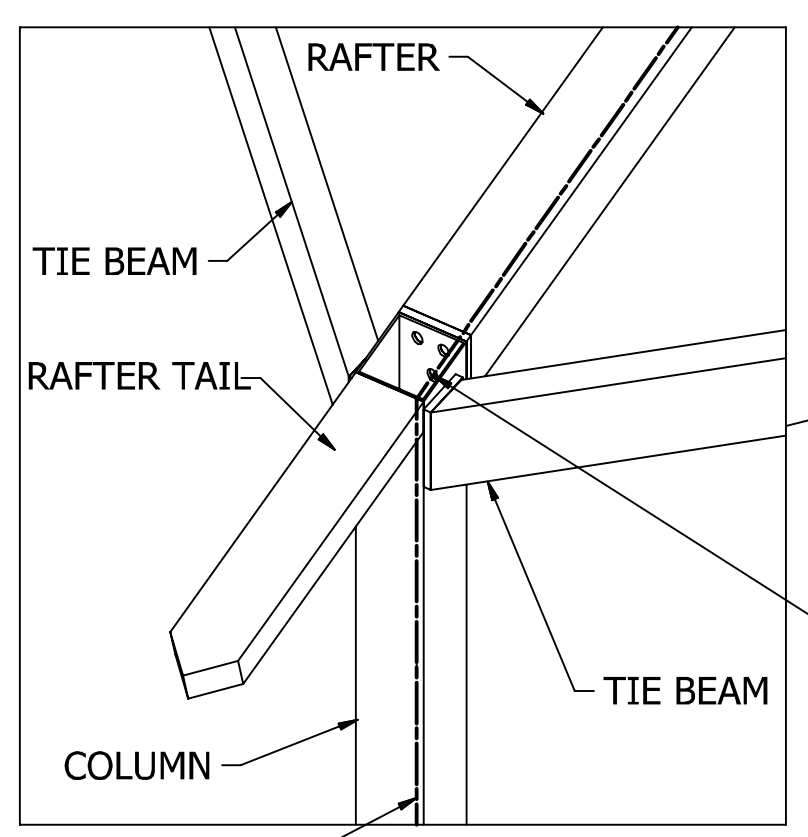
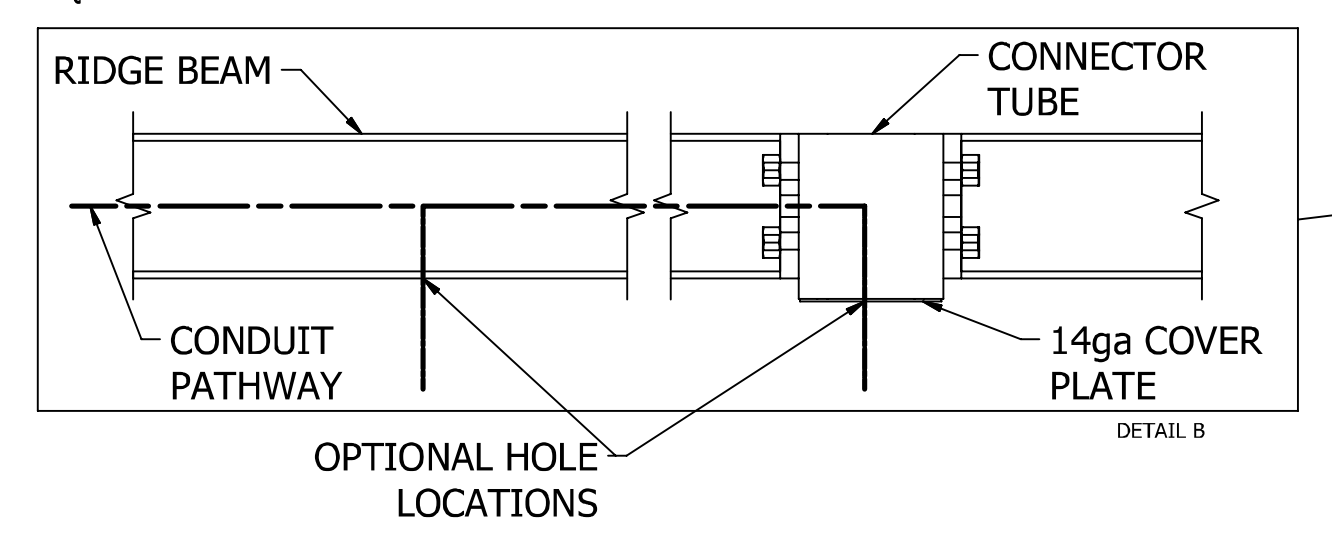
PRELIMINARY: NOT FOR CONSTRUCTION

- STEPS:**
1. CONDUIT HOLE SIZE (DETAIL A)
 2. ELECTRICAL EXIT HOLES (DETAIL B)
 3. ELECTRICAL ACCESS & COVER PLATES (DETAIL C)
 4. ELECTRICAL CONDUIT PATHWAY (DETAIL D)

IF REQUIRED, PLEASE DRAW THE NECESSARY ELECTRICAL CONDUIT PATHWAY ON THE FRAME SHEET OF THIS PRELIMINARY.



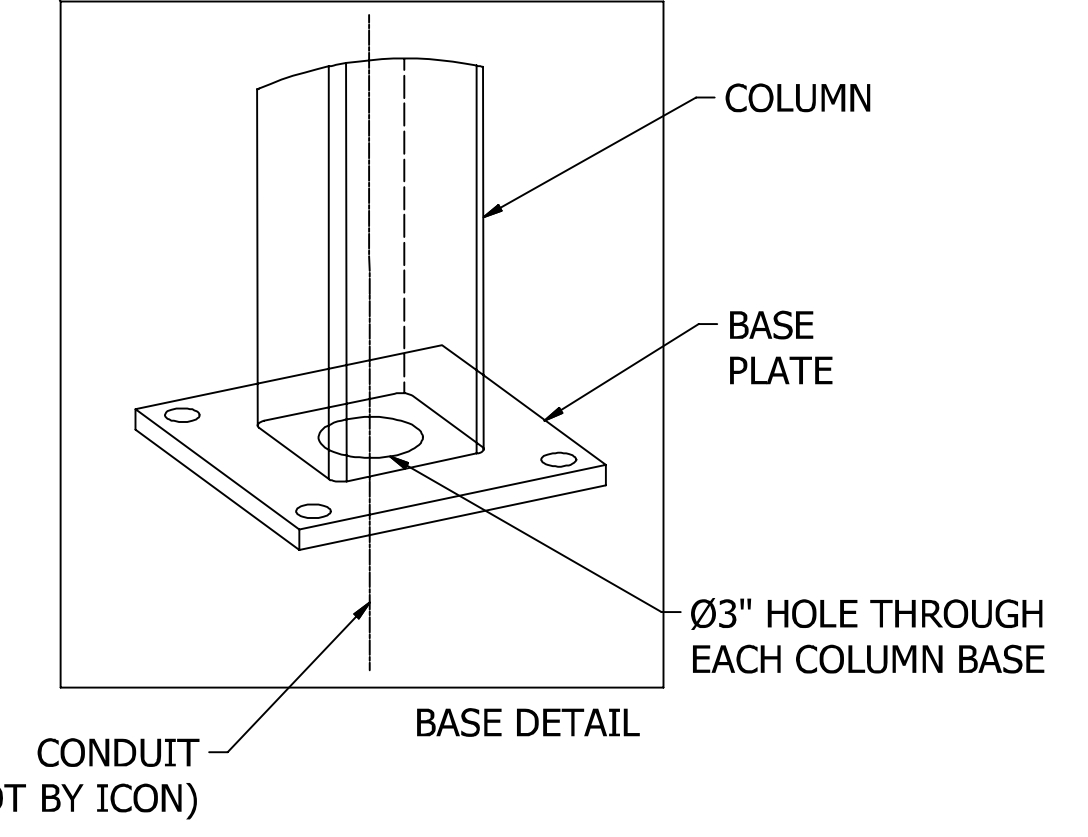
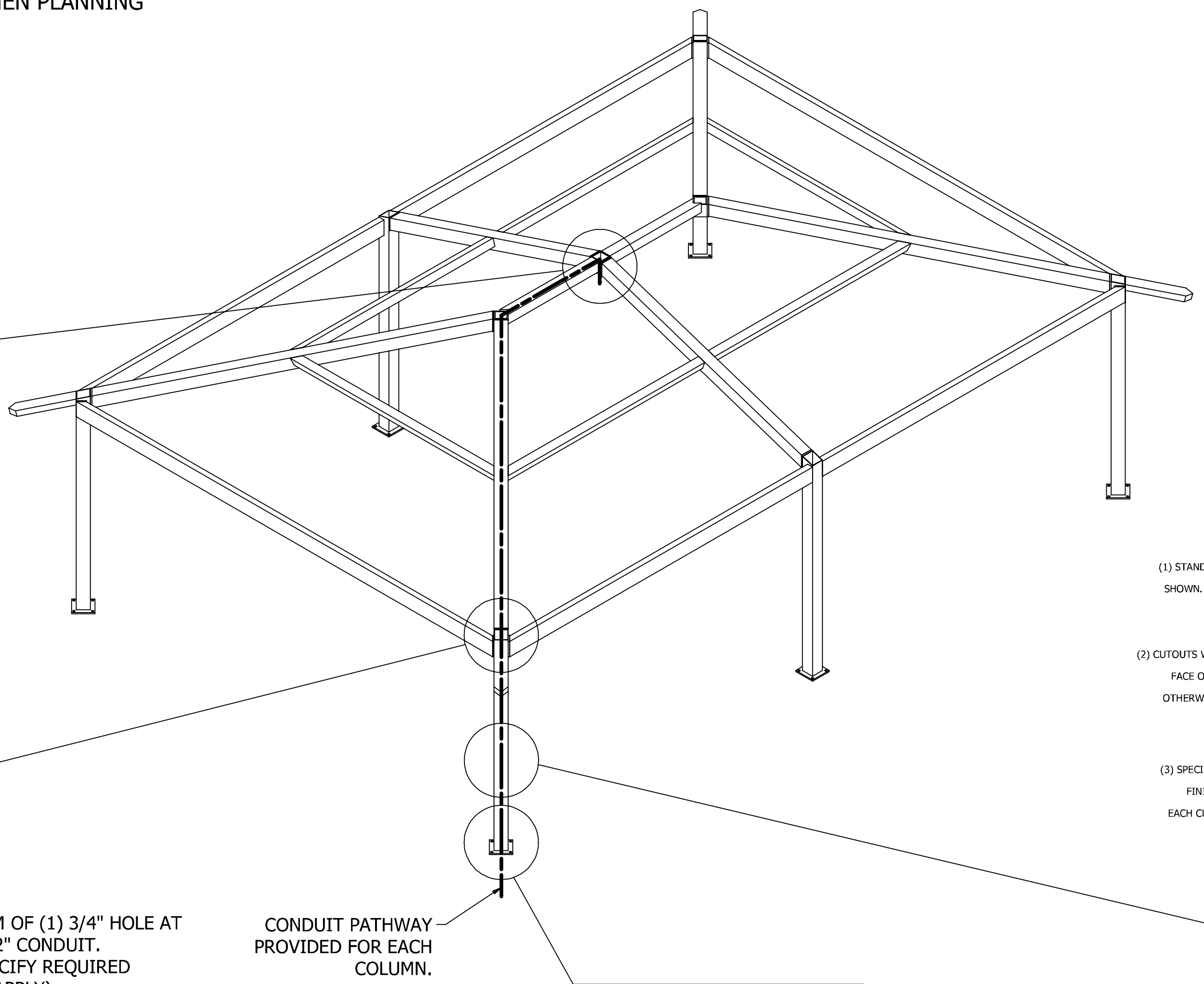
OPTIONAL EXIT HOLES
 IF REQUIRED, EXIT HOLES FOR LIGHTING, ETC. CAN BE PLACED IN THE RIDGE BEAM AND/OR CONNECTOR TUBE WITH 14ga COVER PLATE AS SHOWN (CHARGES APPLY) USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED EXIT HOLE LOCATIONS AND SIZE.



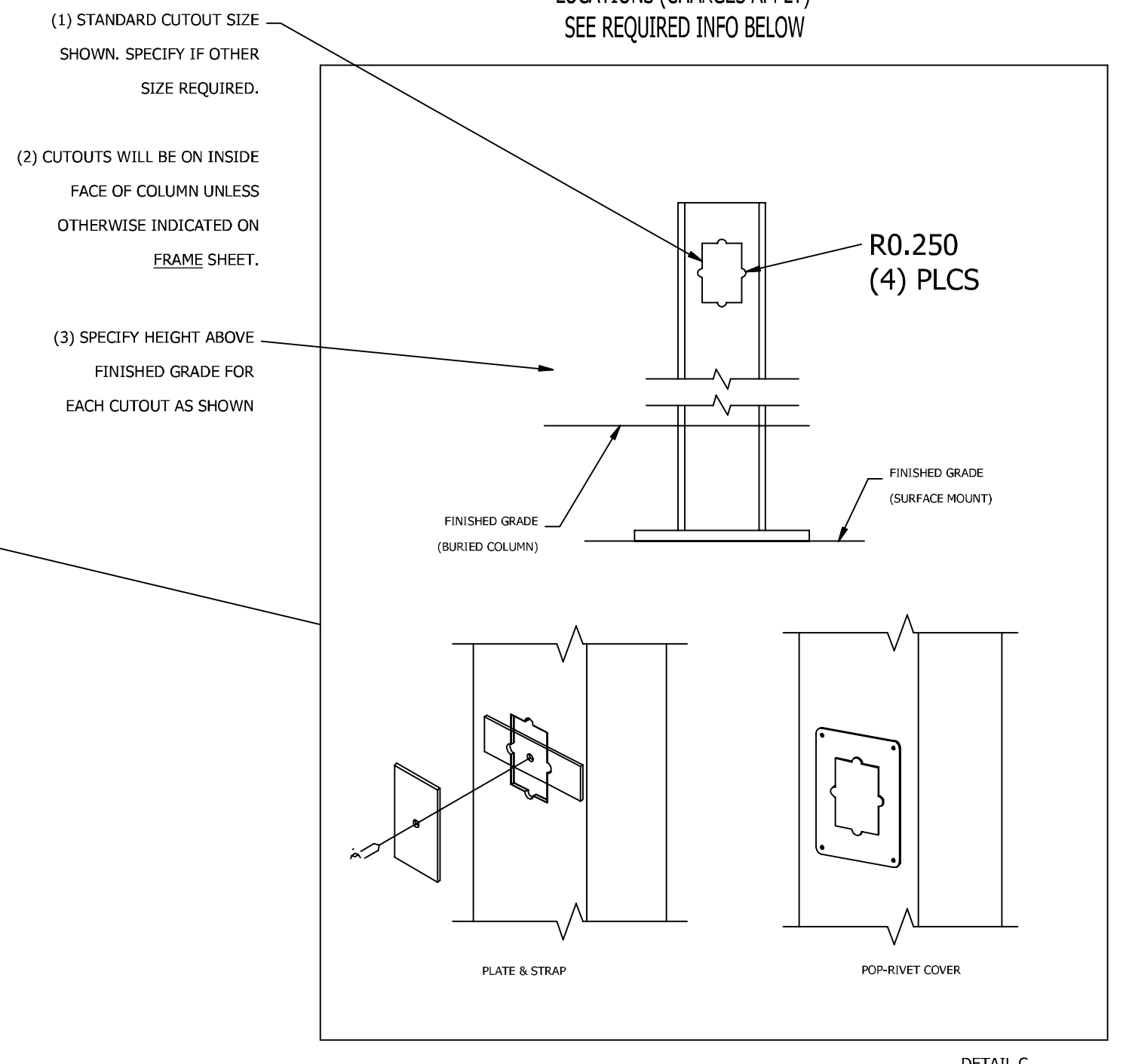
ICON PROVIDES A MINIMUM OF (1) 3/4" HOLE AT EACH CONNECTION FOR 1/2" CONDUIT. IF APPLICABLE, PLEASE SPECIFY REQUIRED CONDUIT SIZE: (CHARGES APPLY)

- 3/4" CONDUIT (1" HOLES)
- 1" CONDUIT (1 1/4" HOLES)
- OTHER (PLEASE SPECIFY)

NOTE: BUILDING DEPICTED ON THIS SHEET FOR ILLUSTRATION PURPOSES ONLY. ACTUAL LAYOUT AND FRAME MEMBER QUANTITIES VARY BY DESIGN. PLEASE REFER TO ELEVATION AND FRAME SHEETS IN THIS PRELIMINARY FOR ORDER-SPECIFIC CONFIGURATION.



OPTIONAL CUTOUTS
 USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED CUTOUT LOCATIONS (CHARGES APPLY) SEE REQUIRED INFO BELOW



(4) COVER PLATES PROVIDED UPON REQUEST (CHARGES APPLY) PLEASE SPECIFY TYPE AND QUANTITY REQUIRED:
 PLATE & STRAP
 POP-RIVET COVER
 HOW MANY REQUIRED? _____

~~APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-20013-PC
 REVISED FOR
 SS PL ACS CG
 DATE: 08/08/2021~~

ELECTRICAL ACCESS

ICON Shelter Systems Inc
 DISTINCTIVE STEEL SHELTERS
 WWW.ICONSHELTERS.COM
 COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.
 1455 LINCOLN AVE
 HOLLAND MI, 49423
 616.396.0919
 800.748.0985
 616.396.0944 FX

LS5.0

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

PRINTED ON :

SHADE STRUCTURE AT EARL WARREN ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

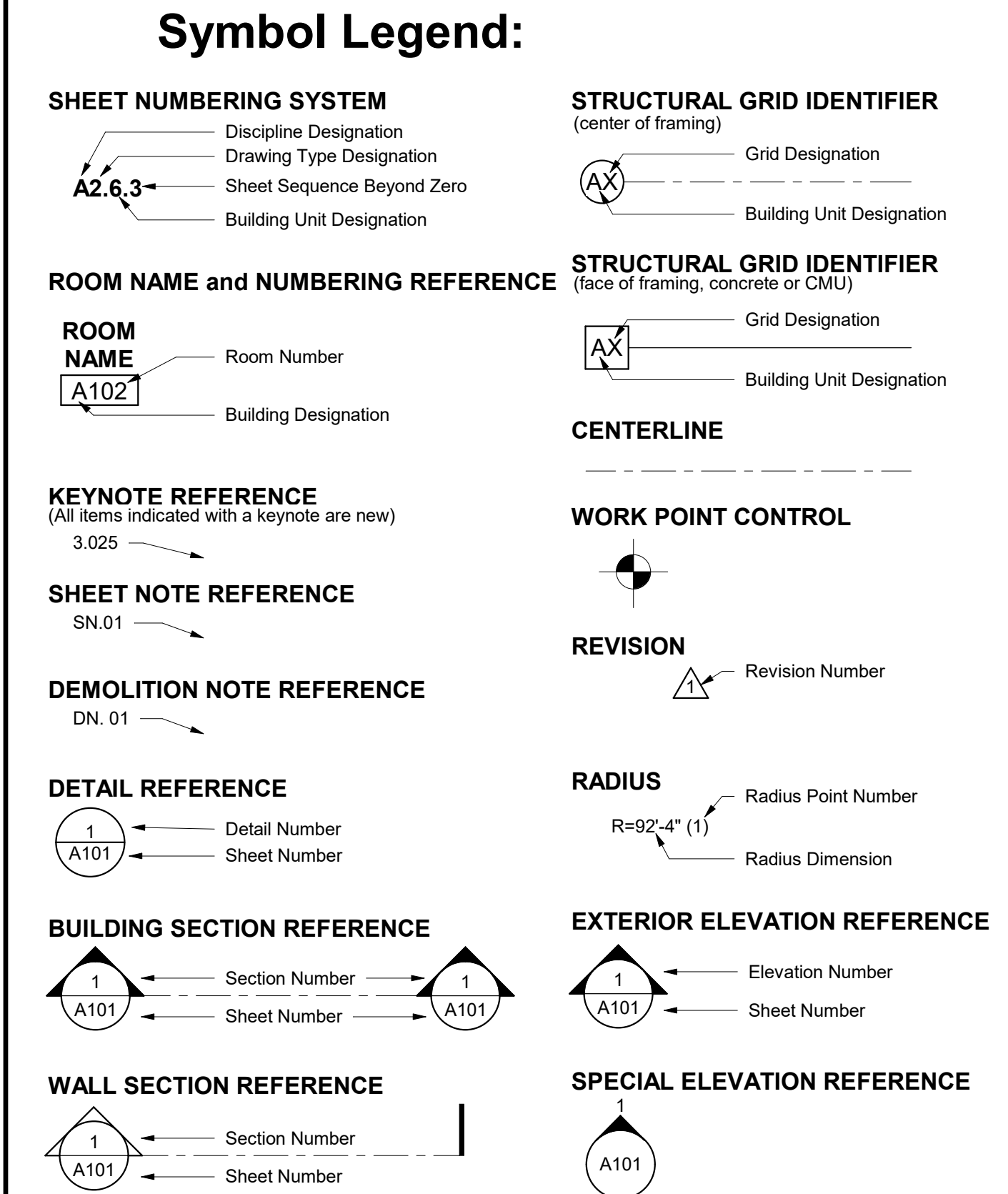
Revision

ELECTRICAL ACCESS

PROJECT NO. 1504.13
 DATE: 3/22/2022
 SHEET

LS5.0

Abbreviations:	
A	And
@	Angle
Centerline	F.P.P.
Degree	F.V.
Perpendicular	F.N.
Property Line	F.F.E.
A.F.F.	Finish Floor Elevation
ACOUS.	Perforated
ADJ.	Fire Alarm
AGGR.	F.A.
A.L.M./A.L.	F.E.C.
AD	Fire Extinguisher
A.V.	FLASH
AUTOD.	Audio Visual
BM	Beam
BLK	Block
BLKG.	Blocking
BD.	Board
BOT	Bottom
BUILDG.	Building
CAB.	Cabinet
CATV	Cable T.V.
C.I.	Cast Iron
CLK.G.	Catch Basin
CNTR./CTR.	Center
CER.	Ceramic
CB	Chain Link
CB	Classroom
CLR	Clear
C.W.	Cold Water
COL.	Column
CONC.	Concrete
C.M.U.	Concrete Masonry Unit
CONN.	Connection
CONST.	Construction
C.J.	Construction Joint
CONT.	Continuous
CNTR.	Contractor
C.M.P.	Corrugated Metal Pipe
C.U.	Curb
CUST.	Custodian
D.	Deep/Depth
DET / DTL	Detail
DIA / Ø	Diameter
DIM.	Dimension
DIM PT.	Dimension Point
DW.	Dishwasher
DR.	Door
DBL.	Double
DN.	Down
DWG.	Drawing
D.W.G.	Drinking Fountain
E.A.	Each
E.	East
E.W.C.	Electric Water Cooler
E.W.H.	Electric Water Heater
EL./ELEV.	Elevation
EMER.	Emergency
ENC.	Enclosure
EQ.	Equal
EXH.	Exhaust Fan
(E)EXIST.	Existing
EXP.	Expansion
EXT.	Expansion Joint
F.O.C.	Face of Concrete/Curb
F.O.F.	Face of Finish
F.O.S.	Face of Studs
FB.	Fiberglass
F.R.L.	Fiberglass Reinforced Laminate
F.F.P.	Fiberglass Reinforced Plastic
F.V.	Field Verity
F.N.	Finish
F.F.E.	Finish Floor Elevation
F.A.	Fire Alarm
F.E.C.	Fire Extinguisher Cabinet
FLASH.	Fire Extinguisher
F.H.M.B.	Flat Head Machine Bolt
F.H.M.S.	Flat Head Machine Screw
F.H.W.S.	Flat Head Wood Screw
FL.FLR.	Floor
F.D.	Floor Drain
FT.	Foot/feet
FTG.	Footing
FND.	Foundation
FURR.	Furring
GALV.	Galvanized
G.I.	Galvanized Iron
G.S.M.	Galvanized Sheet Metal
G.W.H.	Gas Water Heater
GA.	Gauge
GLU/LAM./G.L.B.	Glue Laminated (Beam)
GR.	Grade
GYP.	Gypsum
GYP.BD.	Gypsum Wallboard
HWDR.	Hardware
HWDR.	Hardwood
HDR.	Header
HVAC.	Heating/Ventilating
H.J.T.	Height
H.M.	Hollow Metal
HORZU/HORIZ.	Horizontal
H.B.	Hose Bib
HR.	Hour (Fire Rating)
IN.	Inch
INFO.	Information
I.D.	Inside Diameter
INSUL.	Insulation
INT.	Interior
INV.	Invert
JAN.	Janitor
J.O.	Joint
JST.	Joist
KP.	Kickplate
KIT.	Kitchen
DIAG.	Diagonal
LAM.	Laminate
LAV.	Lavatory
L.T.WT.	Light Weight
L.F.	Lineal Feet
M.B.	Machine Bolt
M.H.	Menhole
MFR.	Manufacturer
M.O.D.	Masonry Opening
MATL.	Material
MAX.	Maximum
MCH.	Mechanical
MEMB.	Membrane
MTL.	Metal
MEZZ.	Mezzanine
MIN.	Minimum
MISC.	Miscellaneous
M.P.	Multipurpose
N.	North
NOM.	Normal
N.	North
N.I.C.	Not in Contract
N.T.S.	Not to Scale
N.O.#	Number
O.F.O.I.	Owner Furnish, Owner Installed
O.F.C.I.	Owner Furnish, Contractor Installed
O.C.	On Center
OPP.	Opposite
O.H.	Opposite Hand
O.D.	Outside Diameter
O.H.W.S.	Oval Head Wood Screw
Ø	Over
ØA.	Overall
P.T.	Part
PAIR.	Pair
PART.	Partition
PEN.	Penetration
PERF.	Perforated
P.LAM.	Plastic Laminate
P.V.	Plumbing Vent
PLYWD.	Plywood
PL.	Plate
PLYWD.	Plywood
PRE-FAB.	Prefabricated
P.M.F.	Pressed Metal Frame
P.T./P.T.D.F.	Pressure Treated Douglas Fir
R.W.L.	Rain Water Leader
RDWD.	Redwood
REF.	Refrigerator
REINF.	Reinforced
REQD.	Required
RET.	Return
R.D.	Roof Drain
RM.	Room
R.O.G.	Rough Opening
R.H.W.S.	Round Head Wood Screw
R.B.	Rubber Base
SECT.	Section
S.S.K.	Service Sink
SHT.	Sheet
S.M.	Sheet Metal
S.M.S.	Sheet Metal Screw
S.V.	Sheet Vinyl
SHR./SHWR.	Shower
S.	Solid Core
S.C.	South
Spec.	Specification
SQ.	Square
SST./S.S.	Stainless Steel
STD./STND.	Standard
STL.	Steel
STOR.	Storage
S.D.	Storm Drain
S.D.S.T.	Self-Drilling Self-Tapping Square Foot
S.F.	Structural
SUSP.	Suspended
SYM.	Symbol
TB.	Tackboard
TEL./TELE.	Telephone
T.V.	Television
T.CLR.	Tempered Clear
T.L.T.	Tempered Low Transmission
THK.	Thick
THRES.	Threshold
T.H.	Through
T.O.	Top
T.O.C.	Top of Curb
T.O.P.	Top of Pavement
T.O.W.	Top of Wall/Top of Walk
T.S.	Tube Steel
TYP.	Typical
U.O.N.	Unless Otherwise Noted
VERT.	Vertical
V.G.D.F.	Vertical Grain Douglas Fir
V.M.C.	Vinyl Wall Covering
W.C.	Wainscot
W.C.	Water Closet
W.H.	Water Heater
WT.	Weight
W.W.M.	Welded Wire Mesh
W.	West/With
WDW.	Window
W.G.	Wire Glass
W.	Without
WB.	Wood
YD.	Yard
Y.D.	Yard Drain



SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Architect:
Rainforth Grau Architects
 2101 Capitol Avenue, Suite 100
 Sacramento, CA 95816
 916.368.7990

Owner:
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5737 47TH AVENUE
 SACRAMENTO, CA 95824
 916.643.7400

Contact: VIPUL SAFI

Consultants:

CIVIL ENGINEER:
WARREN CONSULTING ENGINEERS
 1117 WINDFIELD WAY, SUITE 110
 EL DORADO HILLS, CA 95762
 916.985.1870
 ATTN: ANTHONY TASSANO

ELECTRICAL ENGINEER:
PETERS ENGINEERING
 7750 COLLEGE TOWN DRIVE, SUITE 101
 SACRAMENTO, CA 95826
 916.447.2841
 ATTN: GINO ROMANO

Contact: MIKE TAXARA

Project Information:

SITE LOCATION
 7934 LEMON HILL AVENUE
 SACRAMENTO, CA 95824

Project Scope:

INSTALLATION OF (1) 30' X 64' PC SHADE STRUCTURE AND RELATED CONCRETE PAD, UPGRADES TO ACCESSIBLE PATH OF TRAVEL, PARKING AND RESTROOMS, RELATED SITE AND ELECTRICAL WORK.

SCHEDULE OF ALTERNATES:

ALTERNATE NO. 1: CRACK REPAIR, SEAL COAT AND RESTRIPIING
 A. The contractor is responsible for determining the extent of crack repair at (e) hardout. Place 2 coats of seal coat on existing paving. Seal coat to be provided over entirety of (e) hardout. The contractor is responsible for verifying (e) stripping condition and verifying exact layout to be restriped with District.

FIRE SAFETY: THE CONTRACTOR SHALL COMPLY WITH CFC CH 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

Sheet Index

GENERAL	
A0.1	COVER SHEET
A0.2	TYPICAL MOUNTING HEIGHTS AND DETAILS
A0.7	LOCAL FIRE AUTHORITY SITE PLAN
CIVIL	
C0.1	CIVIL GENERAL NOTES AND ABBREVIATIONS
C1.1	DEMOLITION PLAN
C2.1	GRADING AND PAVING PLAN
ARCHITECTURAL	
A1.1.0	SITE PLAN AND CODE INFORMATION
A1.1.1	PARTIAL SITE PLANS AND DETAILS
A2.1.1	TOILET ROOM DEMOLITION AND IMPROVEMENT PLANS AND INTERIOR ELEVATIONS
ELECTRICAL	
EO.1	SYMBOLS, NOTES
E1.1	SITE PLAN - ELECTRICAL
E2.1	ONE LINE DIAGRAM
E3.1	DETAILS
TOTAL SHEET COUNT: 13	

Applicable Codes:

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:

TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 TITLE 24, CCR, PART 1, 2019 CALIFORNIA ADMINISTRATIVE CODE
 TITLE 24, CCR, PART 2, 2019 CALIFORNIA BUILDING CODE, VOL. 1 & 2
 TITLE 24, CCR, PART 3, 2019 CALIFORNIA ELECTRICAL CODE
 TITLE 24, CCR, PART 4, 2019 CALIFORNIA MECHANICAL CODE
 TITLE 24, CCR, PART 5, 2019 CALIFORNIA PLUMBING CODE
 TITLE 24, CCR, PART 6, 2019 CALIFORNIA ENERGY CODE
 TITLE 24, CCR, PART 9, 2019 CALIFORNIA FIRE CODE
 TITLE 24, CCR, PART 10, 2019 CALIFORNIA EXISTING BUILDING CODE
 TITLE 24, CCR, PART 11, 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
 TITLE 24, CCR, PART 12, 2019 CALIFORNIA REFERENCED STANDARDS CODE

NFPA 13, 2016 EDITION, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDMENTS)
 NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDMENTS)

UL 464, 2003 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES

UL 521, 7TH EDITION, 1999 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS

THE CONTRACTOR SHALL KEEP TITLE 24, CCR, PARTS 1-5 ON THE BUILDING SITE AT ALL TIMES.

DSA Procedures:

- ADDENDA MUST BE STAMPED AND SIGNED BY THE ARCHITECT OF RECORD AND APPROVED BY DSA IN ACCORDANCE WITH CCR TITLE 24, PART 1.
- THE CONTRACTOR SHALL BE FAMILIAR WITH, AND PERFORM THE DUTIES IN ACCORDANCE WITH DSA PROCEDURE 13-01, CONSTRUCTION OVERSIGHT PROCESS.
- CHANGES TO THE STRUCTURAL, ACCESSIBILITY, OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN TITLE 24, PART 1, 4-338 AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN ACCORDANCE WITH DSA IR A-6.
- SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS WILL BE CONSIDERED AS CHANGES TO THE APPROVED PLANS AND/OR SPECIFICATIONS. THEY ARE TO BE TREATED AS CONSTRUCTION CHANGE DOCUMENTS AND WILL REQUIRE DSA'S APPROVAL PRIOR TO FABRICATION AND INSTALLATION IN ACCORDANCE WITH TITLE 24, PART 1, 4-338 AND DSA IR A-6.
- THE CLASS 2 PROJECT INSPECTOR MUST BE EMPLOYED BY THE OWNER AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER, AND DSA IN ACCORDANCE WITH TITLE 24, PART 1, 4-341.
- SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBD IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, A CHANGE CONSTRUCTION DOCUMENT OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
- FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- 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 4-317(C), PART 1, TITLE 24, CCR).
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

Deferred Approval:

- PC SHADE STRUCTURE

Statement of General Conformance

THE FOLLOWING DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET 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:

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

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

SIGNATURE: DATE: 4/18/22

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE: Jeffrey Grau

PRINT NAME: _____

LICENSE NUMBER: C-14648 EXPIRATION DATE: 05/31/23

LIST COMPLETELY, ITEMS REVIEWED AND ACCEPTED:

CIVIL, ELECTRICAL

Vicinity Map:

COVER SHEET

PROJECT NO. 1504.12
 DATE: 3/22/2022
 SHEET **A0.1**

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT

APP: 02-120002 INC:
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/18/2022

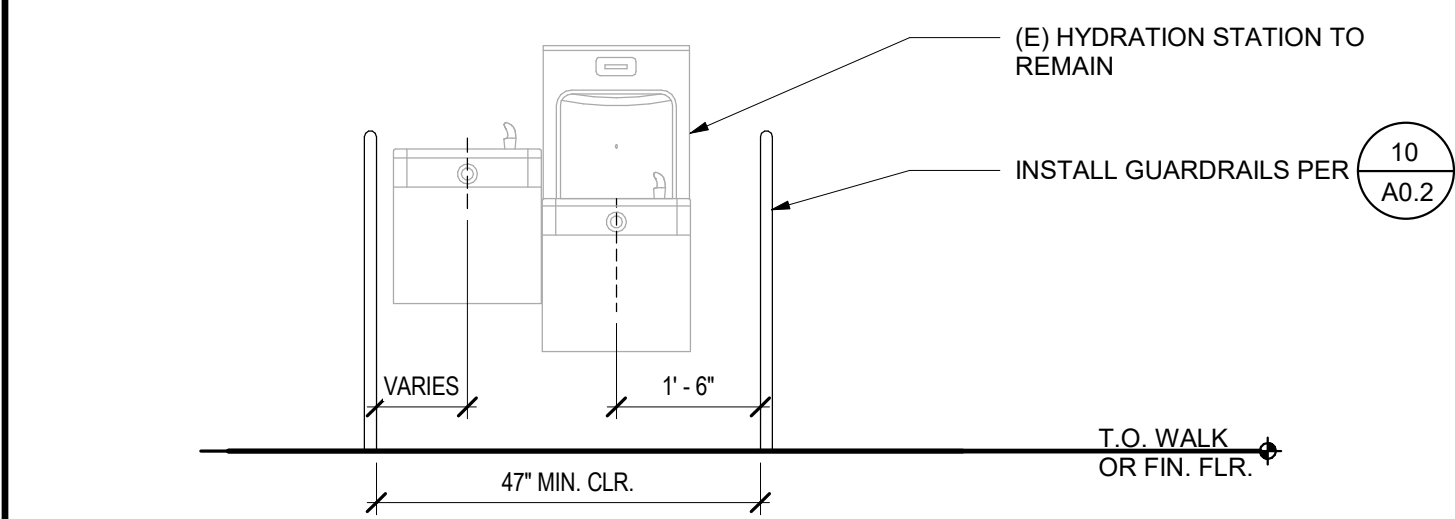
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REGISTERED ARCHITECT
 C-14648
 2019
 RENEWAL
 DATE:
 STATE OF CALIFORNIA

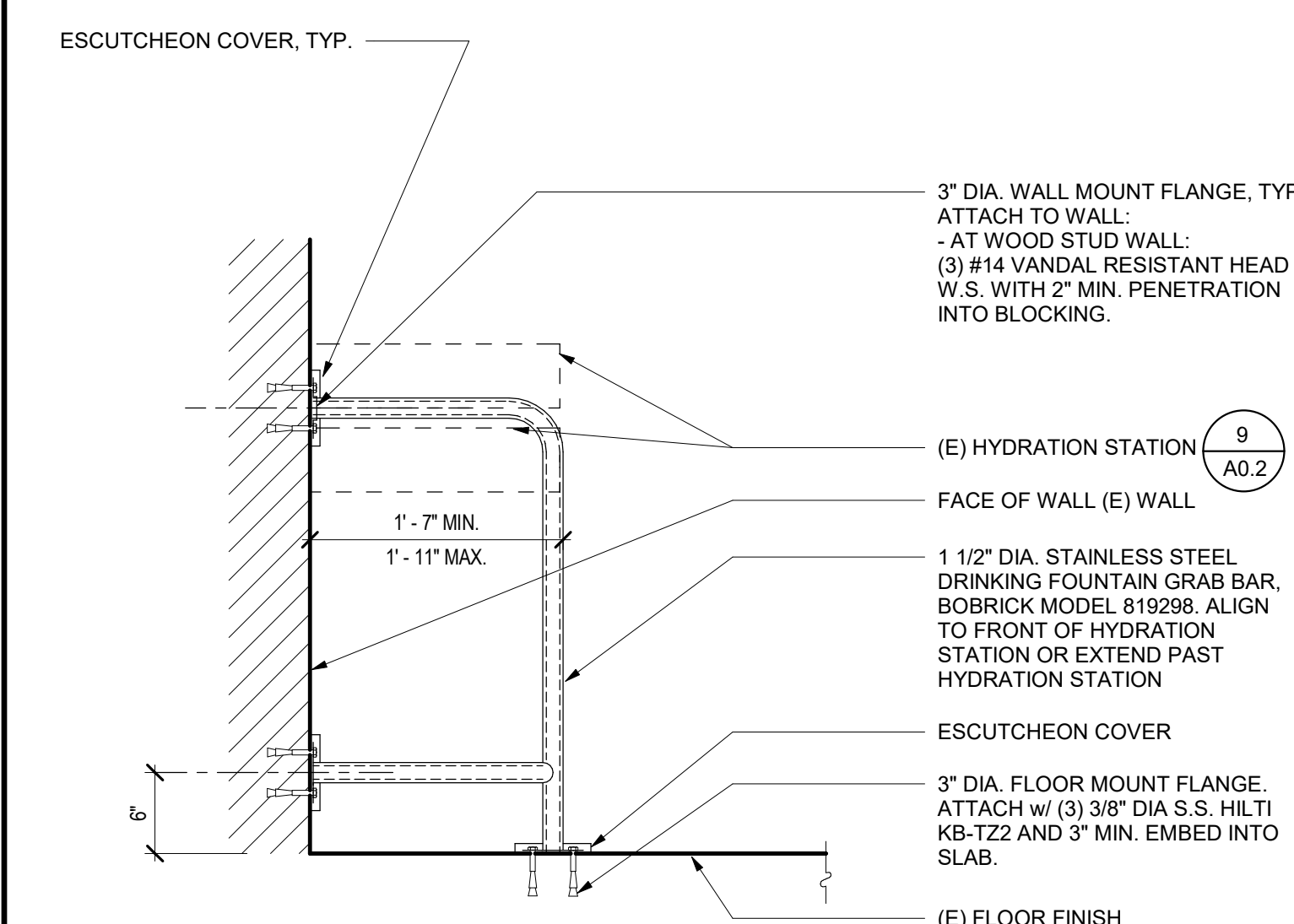
SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

Revision

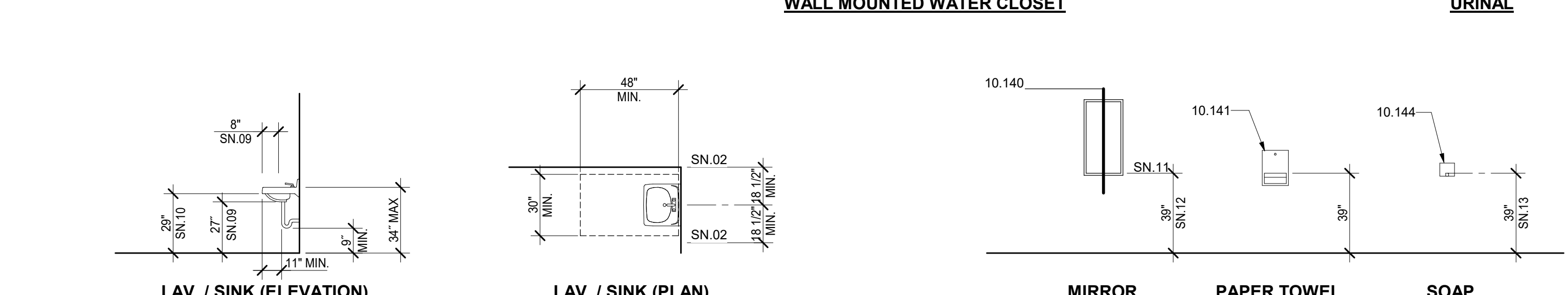
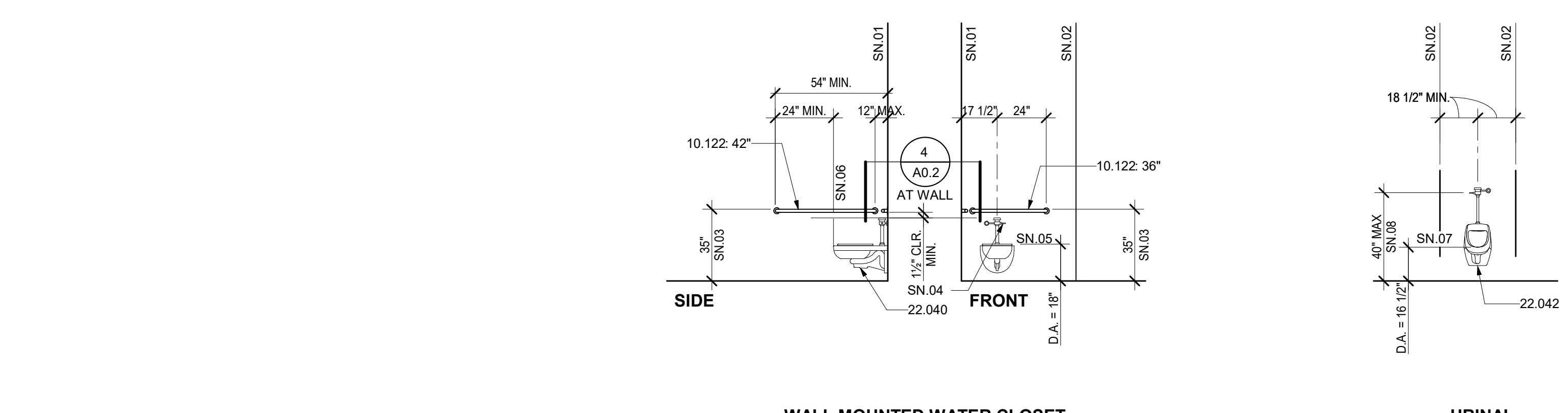
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9 (E) HYDRATION STATION
1/2" = 1'-0"



10 HYDRATION STATION GUARDRAIL
1" = 1'-0"

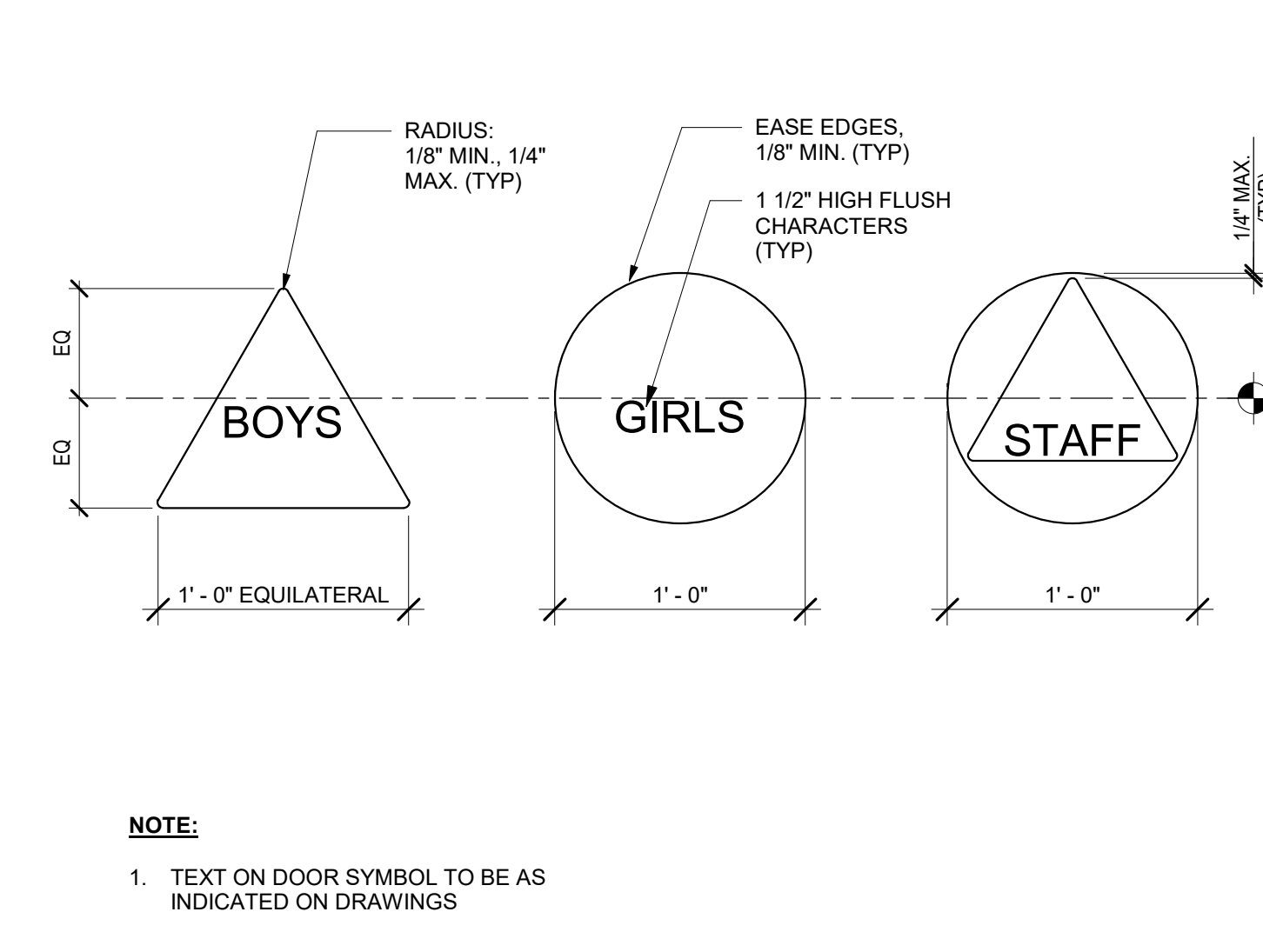


FIXTURE AND ACCESSORY HEIGHTS

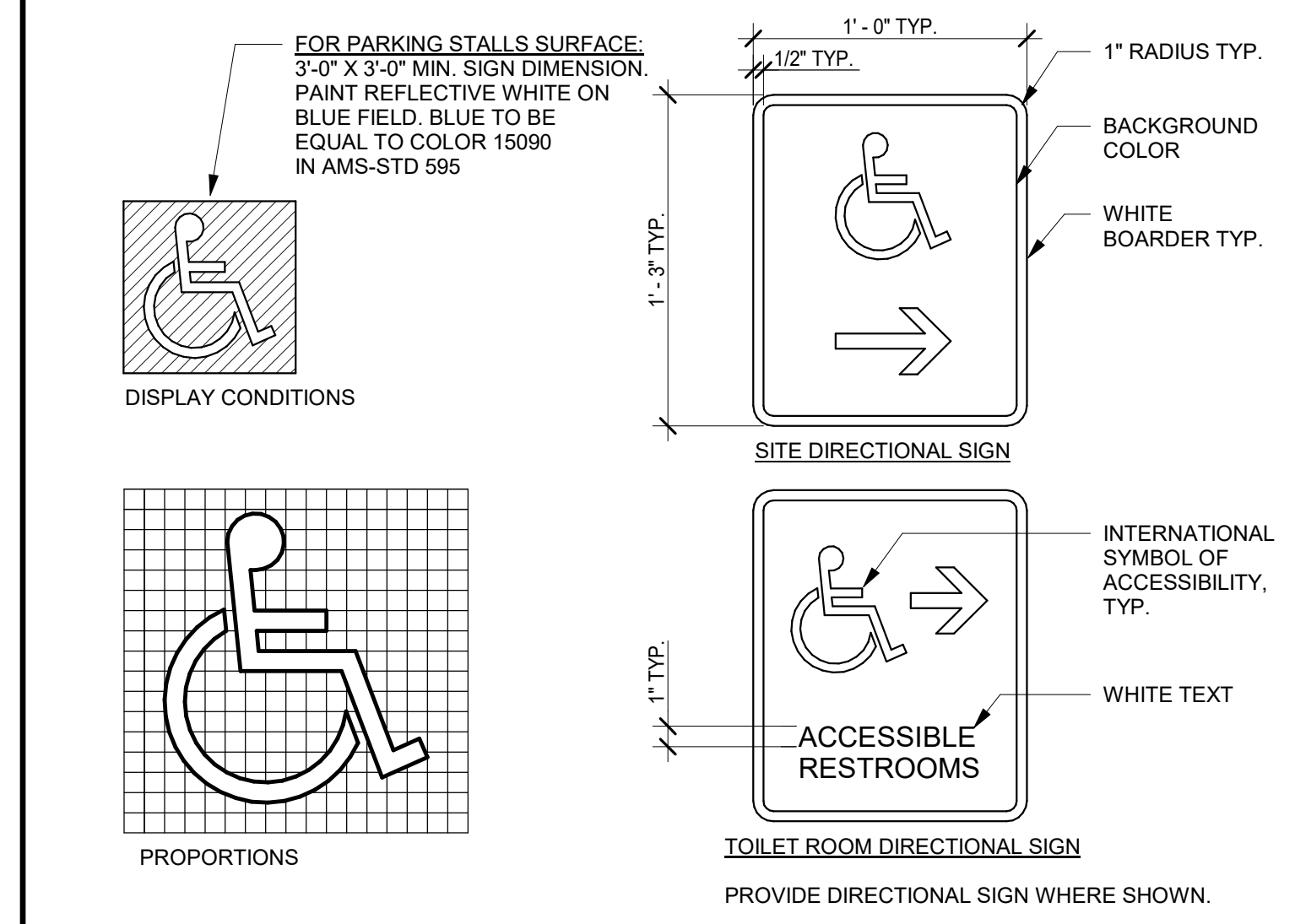


FURNITURE EQUIPMENT HEIGHTS

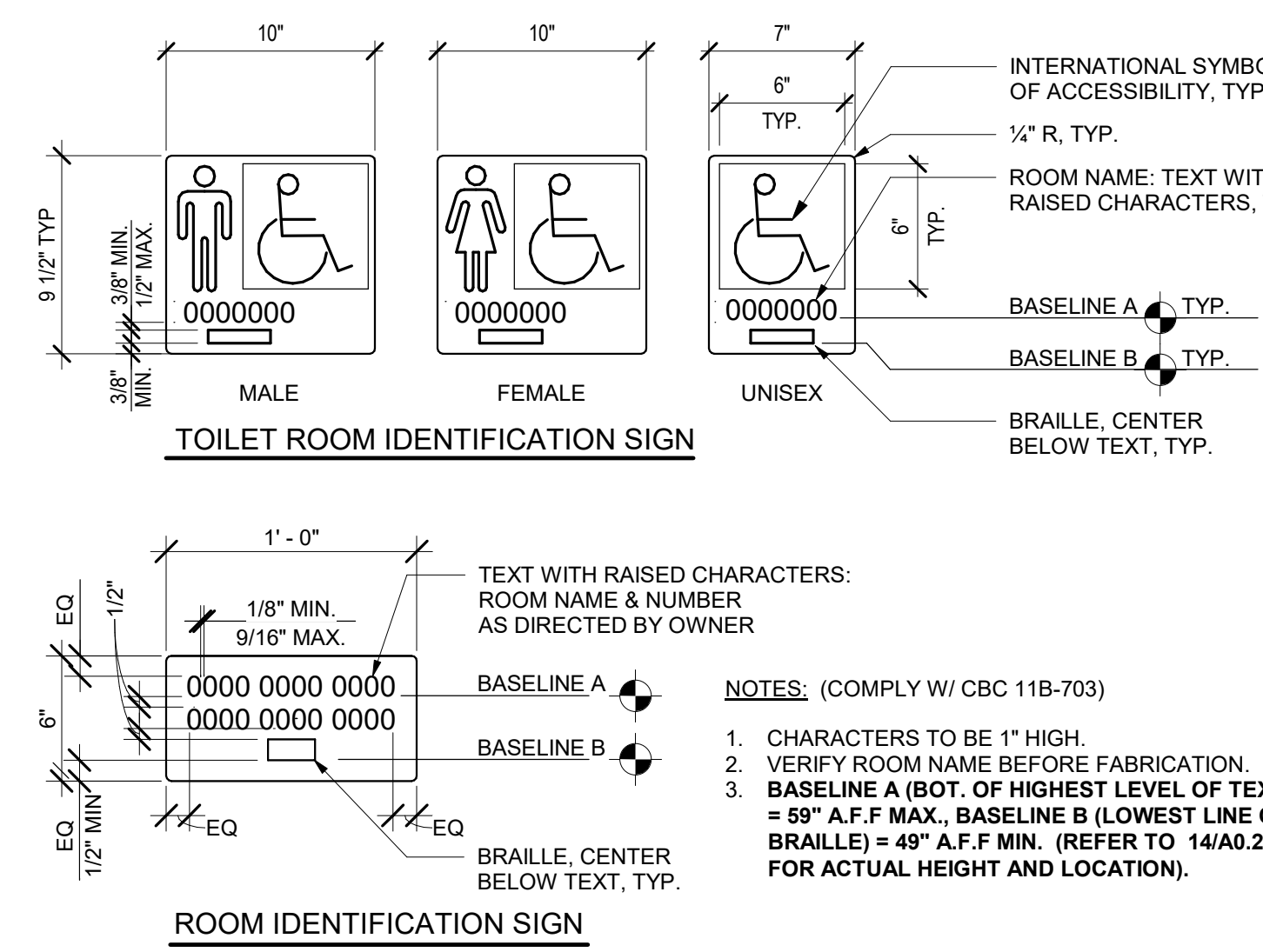
6 TYPICAL MOUNTING HEIGHTS AND DETAILS
1/4" = 1'-0"



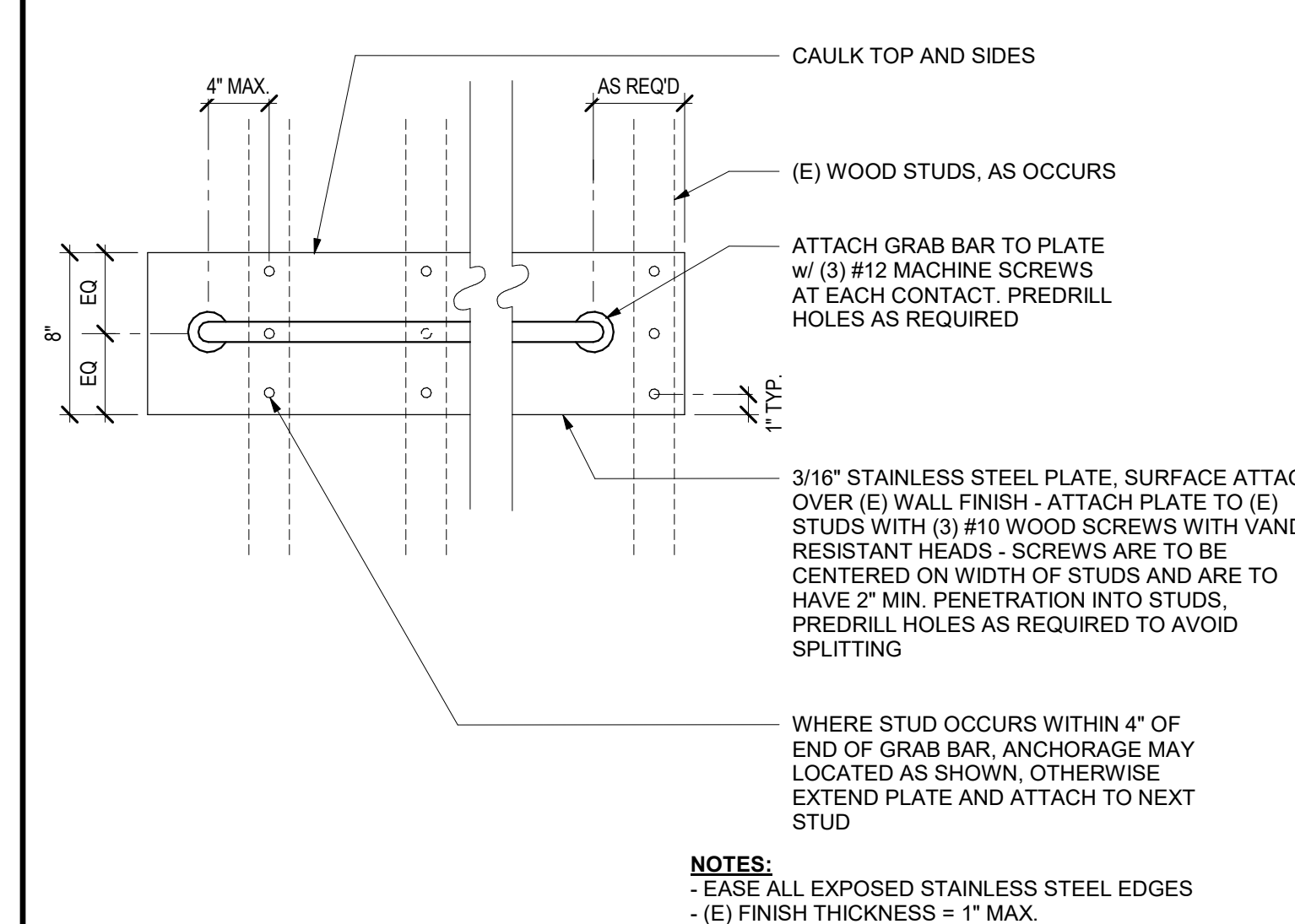
7 TOILET ROOM DOOR SYMBOLS
1 1/2" = 1'-0"



3 SYMBOL OF ACCESSIBILITY
NOT TO SCALE



8 IDENTIFICATION SIGNS
1 1/2" = 1'-0"



4 GRAB BAR - STAINLESS STEEL PLATE
1 1/2" = 1'-0"

GENERAL NOTES

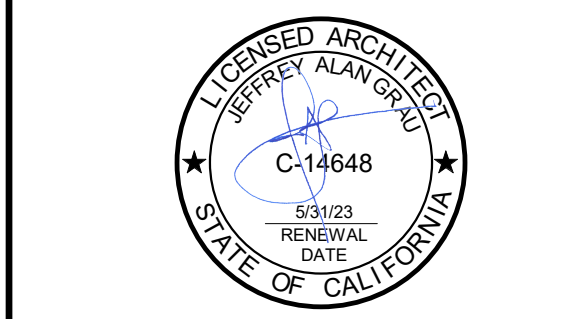
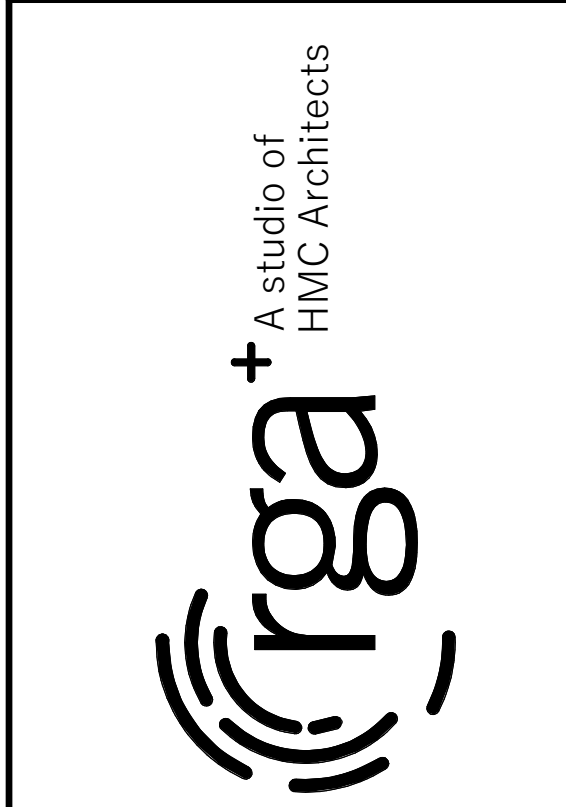
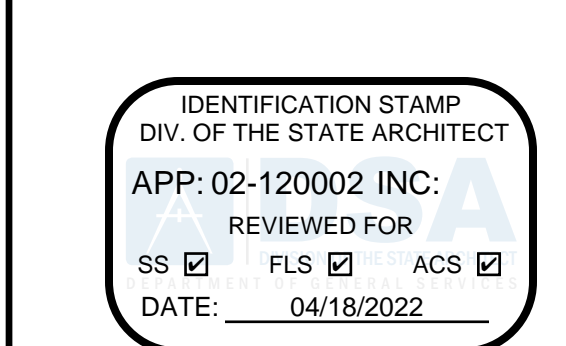
1. TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO ENTIRE PROJECT, WHETHER REFERENCED OR NOT, UNLESS OTHERWISE NOTED.
2. ALL DISABLED ACCESSIBLE DIMENSIONS, ARE MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
3. HEIGHTS ARE MEASURED FROM FINISH FLOOR, UNLESS OTHERWISE NOTED.

SHEET NOTES

- SN 01 TO FACE OF FINISH
- SN 02 FACE OF OBJECTS OR WALLS
- SN 03 TOP OF GRAB BAR
- SN 04 AT ACCESSIBLE WATER CLOSETS, FLUSH CONTROL HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET ENCLOSURE
- SN 05 TOP OF SEAT
- SN 06 FRONT EDGE OF WATER CLOSET, LIP HEIGHT
- SN 07 FLUSH HANDLE HEIGHT
- SN 08 MINIMUM KNEE CLEARANCE
- SN 09 MINIMUM APRON CLEARANCE
- SN 10 BOTTOM EDGE OF REFLECTIVE SURFACE
- SN 11 34" MAX. IF MIRROR IS NOT MOUNTED OVER A LAV. OR COUNTER, TOP OF MIRROR TO CENTERLINE CONTROL.
- SN 12 74" MIN. FOR HIGH SCHOOL & ADULTS. TO CENTERLINE CONTROL.
- SN 13 PROVIDE AT ALL TOILET ROOM DOORS
- SN 14 CENTERLINE OF SYMBOL
- SN 15 CENTERLINE OF SIGN.
- SN 16

KEYNOTES

- 10.043 SIGNAGE: TOILET ROOM IDENTIFICATION
- 10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL
- 10.122 TOILET ACCESSORY: GRAB BAR
- 10.140 TOILET ACCESSORY: MIRROR
- 10.141 TOILET ACCESSORY: PAPER TOWEL DISPENSER
- 10.144 TOILET ACCESSORY: SOAP DISPENSER
- 22.040 WATER CLOSET
- 22.042 URINAL



SHADE STRUCTURE AT ELDER CREEK
 ELEMENTARY SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

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TYPICAL MOUNTING HEIGHTS AND DETAILS

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PROJECT NO. 1504.12
 DATE: 3/22/2022
 SHEET **A0.2**

DSA-810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION
 School District: SACRAMENTO UNIFIED SCHOOL DISTRICT
 Project name / school: ELDER CREEK SHADE STRUCTURE
 Project address: 7934 LEMON HILL AVENUE, SACRAMENTO, CA 95824

FIRE & LIFE SAFETY INFORMATION

	ALTERNATE ACCEPTED
	Yes No N/A NIR
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps Moderate <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/>	
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A) WIFA <input type="checkbox"/>	

CONDITION MEANS AND METHODS RESOLUTION

	ALTERNATE ACCEPTED
	Yes No N/A NIR
4. Emergency vehicle access roadways do not meet CFC requirements	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>
4a. Acceptable Alternative: Emergency vehicle and personal access as proposed by the architect is acceptable for providing fire suppression and protection of life and property	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>
5. Fire Hydrants: Number and spacing does not meet CFC requirements	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>
5a. Acceptable Alternative: Number of fire hydrants and spacing as proposed by the architect is acceptable for fire suppression and protection of life and property.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>
6a. Acceptable Alternative: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>
7. Location of fire department connection(s) serving fire sprinkler system or standpipe system does not meet CFC requirements.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>
7a. Acceptable Alternative: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> NIR <input type="checkbox"/>

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

Accepted by: _____ Title: _____
 Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION
 LFA Agency Name: _____
 LFA Review Official: _____
 Title: _____ Work Phone: _____
 Work Email: _____
 LFA Reviewer's Signature: _____ Date: _____

LEGEND

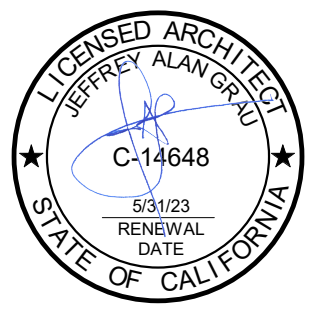
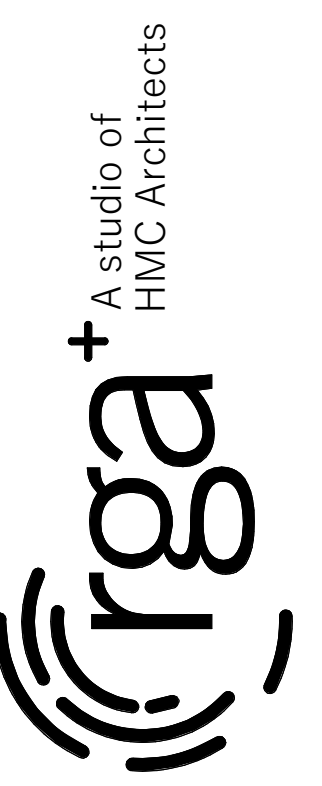
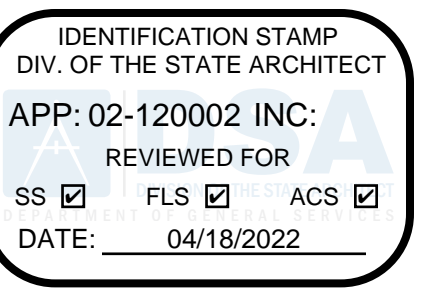
- PROPERTY LINE
- X UNIT DESIGNATION SHADE STRUCTURE
- X UNIT DESIGNATION EXISTING BUILDINGS
- [Pattern] CONCRETE WALK / PAVING
- [Pattern] ASPHALT CONCRETE PAVING
- [Pattern] (E) EMERGENCY ACCESS LANE
- [Pattern] (E) CHAIN LINK FENCE
- [Symbol] (E) FIRE HYDRANT (NTS)

SHEET NOTES

- SN.01 (E) FIRE HYDRANT
- SN.02 (E) PR - 10' - 0" WIDE GATES WITH KNOX LOCK BOX
- SN.03 (E) EXTERIOR FIRE ALARM NOTIFICATION APPLIANCE

BUILDING DESIGNATIONS

- UNIT A - ADMINISTRATION AND MULTIPURPOSE
- UNIT B - CLASSROOMS
- UNIT C - CLASSROOMS
- UNIT D - CLASSROOMS
- UNITS - CLASSROOMS E1-E7
- UNITS - CLASSROOMS F1-F5
- UNITS - CLASSROOMS G1-G3
- UNIT H - CLASSROOMS
- UNITS - CLASSROOMS J1-J2
- UNIT RR - TOILET ROOMS



SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Revision

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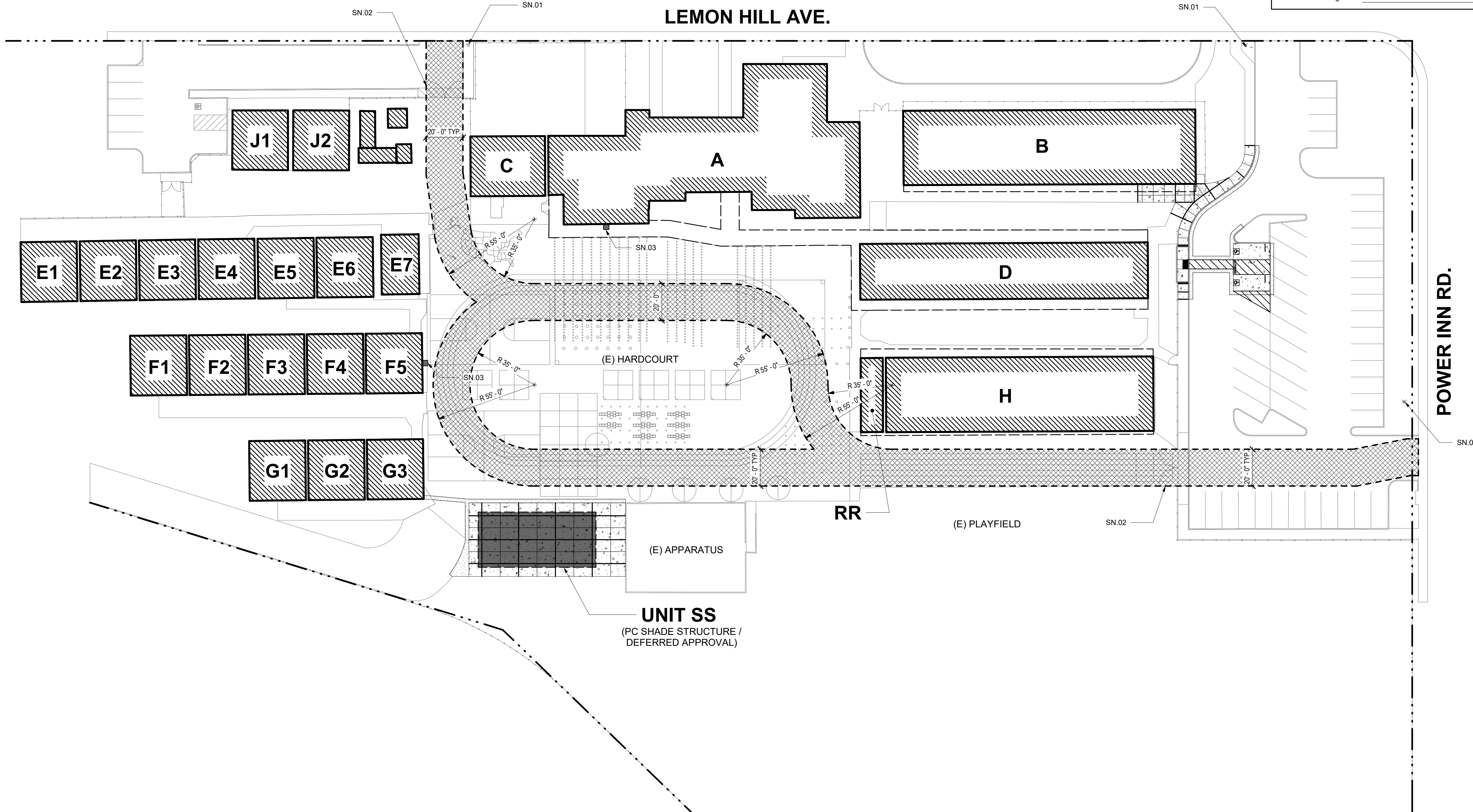
LOCAL FIRE AUTHORITY SITE PLAN

SEE OTHER SHEETS FOR CONSTRUCTION

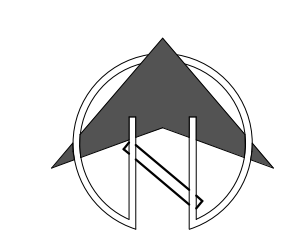
THIS PLAN INCLUDES INFORMATION FOR LOCAL FIRE AUTHORITY APPROVAL ONLY. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION DETAILS.

PROJECT NO. 1504.12
 DATE: 3/22/2022
 SHEET

A0.7



1 LOCAL FIRE AUTHORITY SITE PLAN
 1" = 30'-0"



C:\Users\m\Documents\DSA_810_ElderCreek_ShaDe_Structure_Civil_Arch.dwg

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
- 100' = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- ⊙ = SIGN
- ⊙ = POST OR BOLLARD
- 99.99 = GROUND ELEVATION
- 99.99 = 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)
- ⊙ = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- ⊙ = AREA DRAIN
- = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- ⊙ = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- W--- = WATER LINE (SIZE INDICATED)
- W--- = WATER LINE (RECORD INFORMATION)
- W--- = WATER LINE (UNDERGROUND LOCATING)
- ⊙ = WATER MANHOLE
- ⊙ = WATER VALVE
- ⊙ = WATER METER
- ⊙ = WATER BOX
- = IRRIGATION CONTROL VALVE
- ⊙ = FIRE HYDRANT
- ⊙ = BACKFLOW PREVENTER
- ⊙ = SPRINKLER
- ⊙ = HOSE BIBB
- OH-E = OVERHEAD ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE
- E = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ⊙ = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- ⊙ = ELECTRIC METER
- ⊙ = ELECTRIC BOX
- ⊙ = STREET LIGHTING BOX
- ⊙ OR ⊙ = LIGHT STANDARD
- ⊙ = SIGNAL LIGHT
- ⊙ = FLOOD LIGHT
- ⊙ = ELECTRICAL OUTLET
- G = GAS LINE (SIZE INDICATED)
- G = GAS LINE (RECORD INFORMATION)
- G = GAS LINE (UNDERGROUND LOCATING)
- ⊙ = GAS MANHOLE
- ⊙ = GAS VALVE
- ⊙ = GAS METER
- T = TELEPHONE LINE
- T = TELEPHONE LINE (RECORD INFORMATION)
- T = TELEPHONE LINE (UNDERGROUND LOCATING)
- ⊙ = STORM DRAIN BOX
- ⊙ = TRAFFIC SIGNAL BOX

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEV
1	CPS PICKER	9826.08	9887.52	35.33
2	CPF BMS18-DEB EL=39.128	9826.23	10408.31	39.13
3	CPS CHISELED "+"	9926.31	10335.06	36.81
4	CPS CHISELED "+@LIFT STA	10027.66	10326.68	39.06
5	CPS CHISELED "+"	9947.25	10206.39	37.16
6	CPS CHISELED "+"	9999.42	10051.23	37.01
7	CPS CHISELED "+"	10068.98	10044.86	38.28
8	CPS CHISELED "+"	10132.52	10043.86	39.36
9	CPS CHISELED "+"	10118.88	9942.60	39.41
10	CPS CHISELED "+"	10109.46	9863.00	39.44
11	CPS CHISELED "+"	10213.76	9790.60	36.52
12	CPS CHISELED "+"	10071.81	9790.91	37.94
13	CPS CHISELED "+"	9956.32	9754.16	36.90
14	CPS PK&WASHER	10013.73	9549.89	36.13
15	CPS CHISELED "+"	9940.09	9971.33	36.90
16	CPF CHISELED "+"	10214.15	9443.22	36.79
17	CPF CHISELED "+"	10166.91	9539.19	37.64
18	CPS CHISELED "+"	10151.92	9640.82	37.70
19	CPS CHISELED "+"	10114.53	10239.27	38.56
20	CPS CHISELED "+"	10215.06	10234.42	37.34

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 RIG VALVE
 - ASB AGGREGATE SUB-BASE
 - BO BLOW-OFF VALVE
 - BV BUTTERFLY VALVE
 - BW BACK OF WALK
 - C/L CENTERLINE
 - CB CATCH BASIN
 - CL CLASS
 - CM CORRUGATED METAL PIPE
 - CMV 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
 - DJ DROP INLET
 - DIA DIAMETER
 - DIP DUCTILE IRON PIPE
 - DWG DRAWING
 - DOWN DOWNHOLE
 - E ELECTRIC
 - EP EDGE OF PAVEMENT
 - ESMT EASEMENT
 - EX EXISTING
 - FS FIRE SERVICE LINE
 - FDC FIRE DEPARTMENT CONNECTION
 - FL FLOW LINE
 - FM SANITARY SEWER FORCE MAIN
 - FF FINISHED FLOOR ELEVATION
 - FH FIRE HYDRANT
 - GR GRATE ELEVATION
 - GRD GRADE ELEVATION
 - GV GATE VALVE
 - HB HOSE BIBB
 - HBD HEADER BOARD
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - HP HIGH POINT
 - NW PIPE INVERT ELEVATION
 - JP JOINT UTILITY POLE
 - LF LINEAL FEET
 - LIP LIP OF GUTTER
 - LT LEFT
 - MS MOWSTRIP
 - NTS NOT TO SCALE
 - OH OVERHEAD
 - PC PORTLAND CEMENT CONCRETE
 - PD PLANTER DRAIN
 - PV POST INDICATOR VALVE
 - P/L PROPERTY LINE
 - PP POWER POLE
 - PUE PUBLIC UTILITY EASEMENT
 - PVC POLYVINYL CHLORIDE
 - RCP REINFORCED CONCRETE PIPE
 - R RADIUS
 - RIM MANHOLE RIM ELEVATION (SOLID COVER)
 - RP REDUCED PRESSURE BACKFLOW PREVENTER
 - RT 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
 - TELEPHONE 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/W WITH
 - W/O WITHOUT
 - WV WATER VALVE
- LEGEND**
- NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.
- PROPOSED GRADING & DRAINAGE SYMBOLS:**
- B"SD 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
 - 99.99 ELEVATION
 - FF=100.00 FINISHED FLOOR ELEVATION
 - PAD=99.33 BUILDING PAD ELEVATION
 - CONCRETE SIDEWALK
 - GRADED DIRECTION FOR DRAINAGE FLOW
 - SWALE
 - SLOPE
 - ⊙ TREE TO BE REMOVED
 - RETAINING WALL
- PROPOSED SANITARY SEWER SYMBOLS:**
- B"SS SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
 - SANITARY SEWER MANHOLE (SSMH)
 - SEWER CLEANOUT FLUSHER BRANCH
- PROPOSED WATER SYMBOLS:**
- B" W WATER LINE & SIZE
 - B" FS FIRE LINE & SIZE
 - B" DW DOMESTIC WATER LINE & SIZE
 - B" RW RECLAIMED WATER LINE & SIZE
 - B" IRR IRRIGATION SERVICE LINE & SIZE
 - B" NP NON POTABLE WATER LINE & SIZE
 - B" SP FIRE SPRINKLER SERVICE LINE & SIZE
 - M GATE VALVE
 - FH FIRE HYDRANT ASSEMBLY
 - FDC FIRE DEPARTMENT CONNECTION
 - DC DETECTOR CHECK VALVE
 - DDC DOUBLE DETECTOR CHECK VALVE
 - RP REDUCED PRESSURE BACKFLOW PREVENTER
 - N BUTTERFLY VALVE
 - 1" AIR RELEASE VALVE + SIZE
 - 1" BLOW-OFF VALVE + SIZE
 - PIV POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

- 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.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- 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 TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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.
- 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.

UTILITY VERIFICATION NOTE

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.

IRRIGATION DEMOLITION NOTE

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 ROOTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

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, EITHER MADE BY OTHERS. 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 ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S 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 IS BUILT 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 "TEE" 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 ADDITIONAL SCORE OR EXPANSION 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 CONTRACTION/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 SCORED 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 HYDRO SEEDED 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.

GENERAL PAVING SURFACE NOTES:

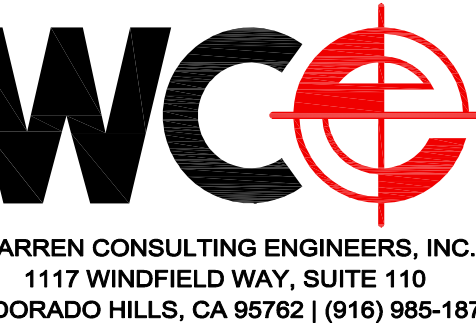
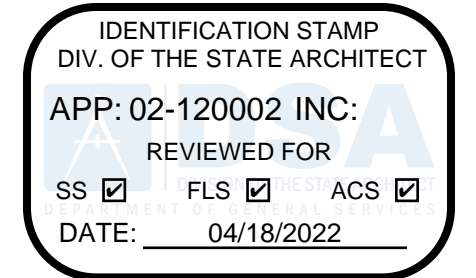
- PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%. TYPICAL PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% UNLESS SPECIFICALLY LABELLED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

CIVIL SHEET INDEX

- C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
- C1.1 DEMOLITION PLAN
- C2.1 GRADING AND PAVING PLAN

LANDSCAPE/IRRIGATION NOTE:

GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.



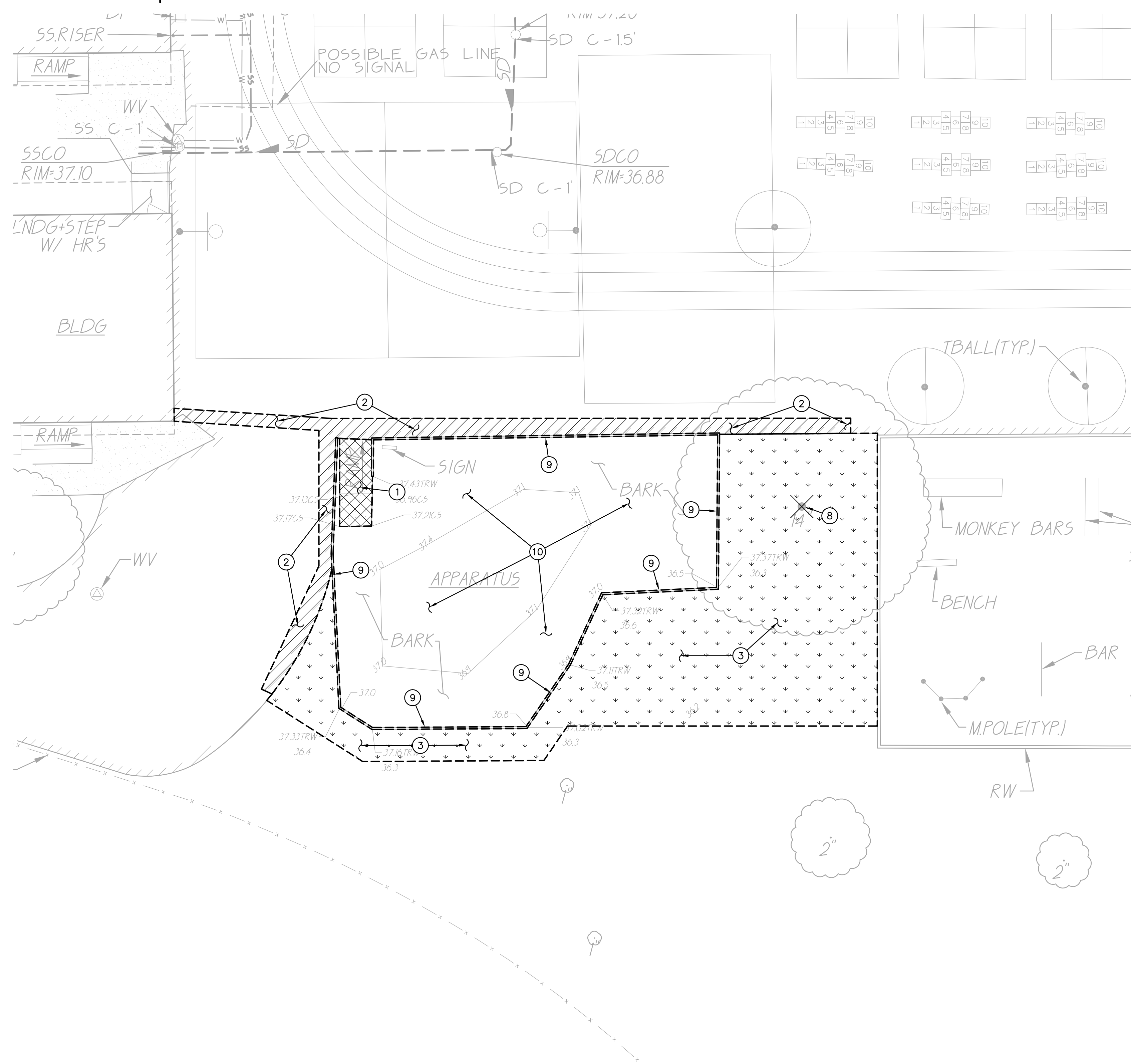
SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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CIVIL GENERAL NOTES AND ABBREVIATIONS

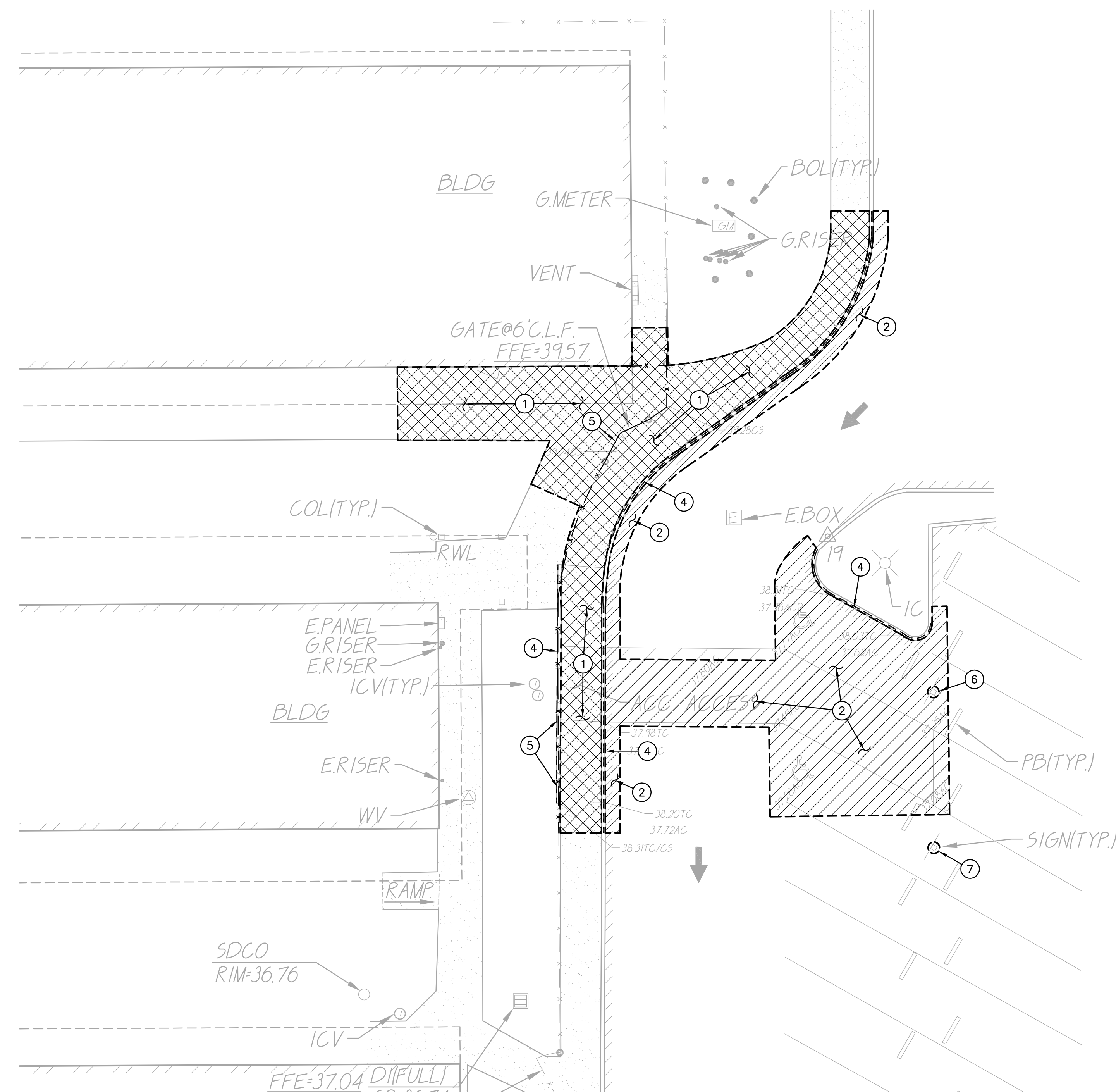
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 DATE: 4/18/2022
 SHEET

C0.1



DEMOLITION PLAN - SHADE STRUCTURE

SCALE: 1"=10'



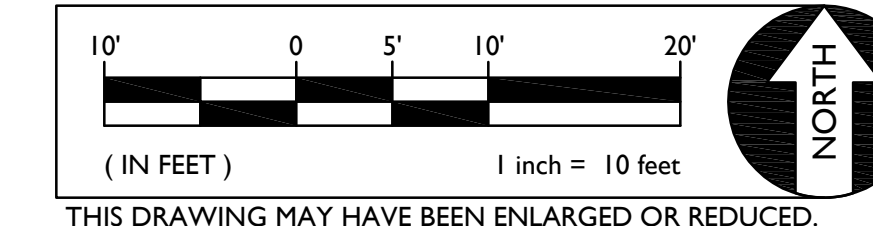
DEMOLITION PLAN - ACCESSIBLE PARKING

SCALE: 1"=10'

DEMOLITION NOTES

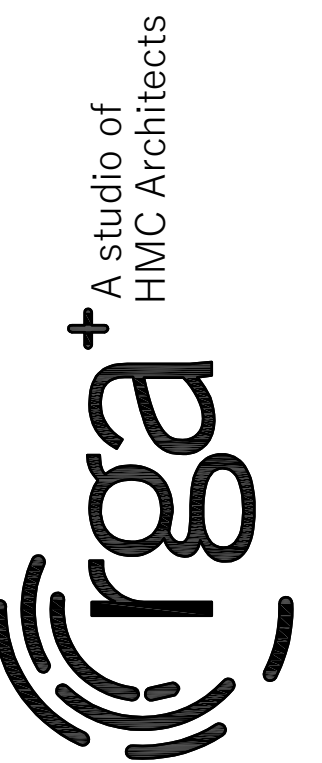
1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
2. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND ASSOCIATED AGGREGATE BASE. SAWCUT SHALL BE A NEAT STRAIGHT LINE, MAINTAIN CLEAN, STRAIGHT CUT EDGE UNTIL NEW PAVING IS PLACED.
3. 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.
4. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB.
5. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, GATES, POSTS AND ASSOCIATED FOOTINGS.
6. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTINGS.
7. CUT POST FLUSH WITH PAVEMENT AND GROUT FILL POST HOLE.
8. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
9. REMOVE AND DISPOSE OF EXISTING PLASTIC APPARATUS CURB.
10. REMOVE AND DISPOSE OF EXISTING BARK, PLAY APPARATUS AND ASSOCIATED FOOTINGS.

GRAPHIC SCALE



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120002 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 04/18/2022



SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL

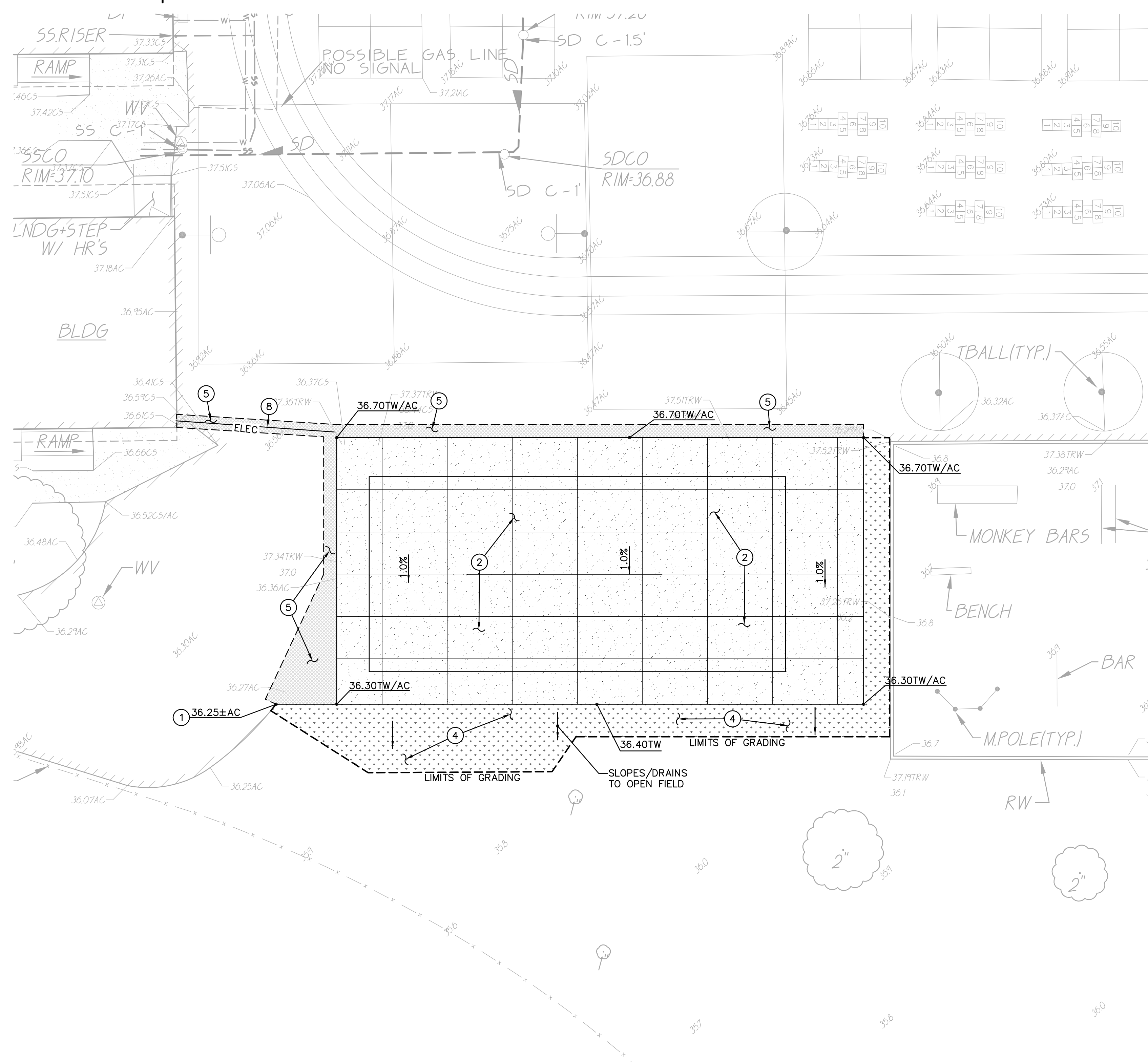
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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DEMOLITION PLAN

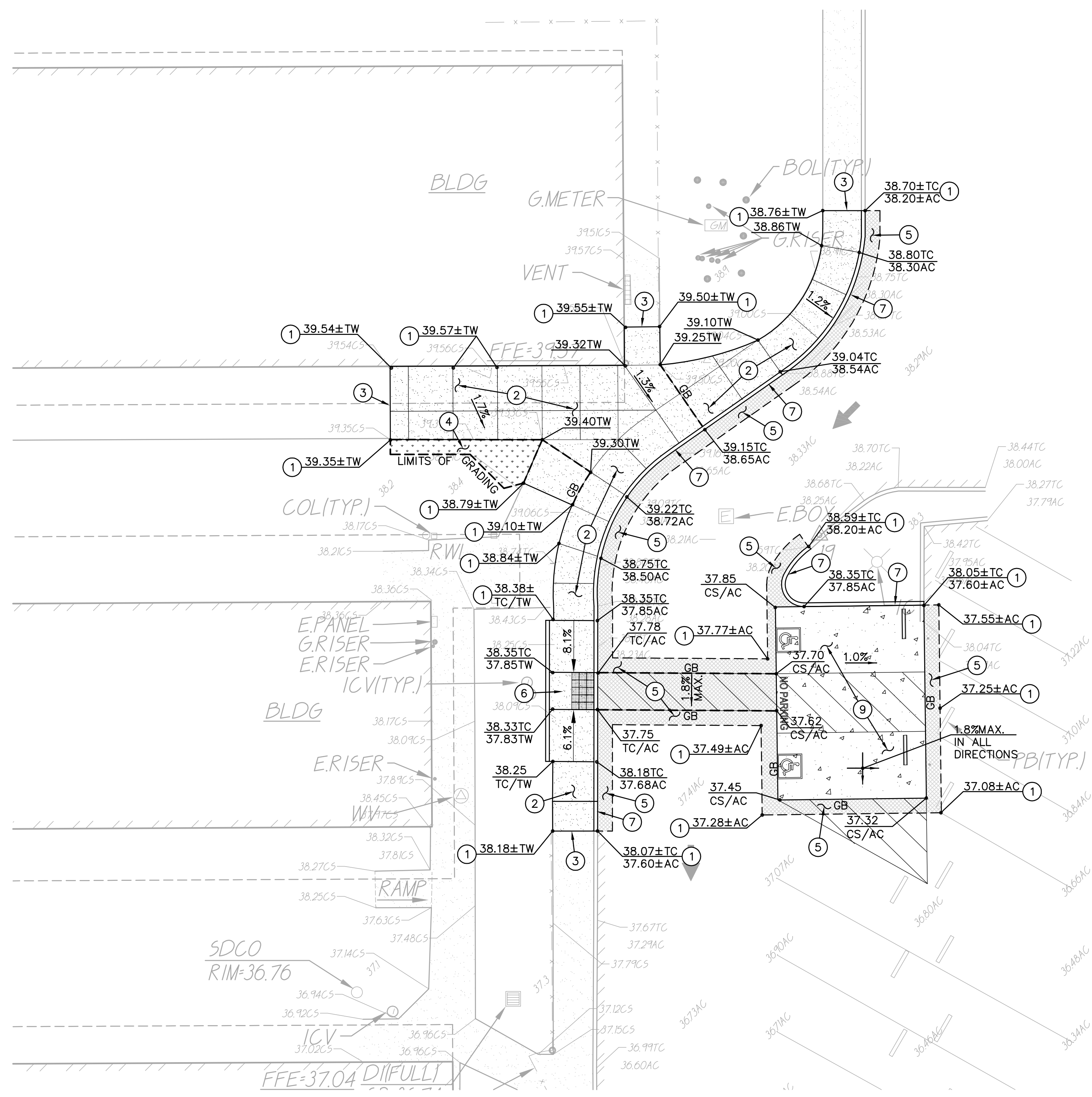
PROJECT NO. 1504.12
DATE: 4/18/2022
SHEET

C1.1



GRADING AND PAVING PLAN - SHADE STRUCTURE

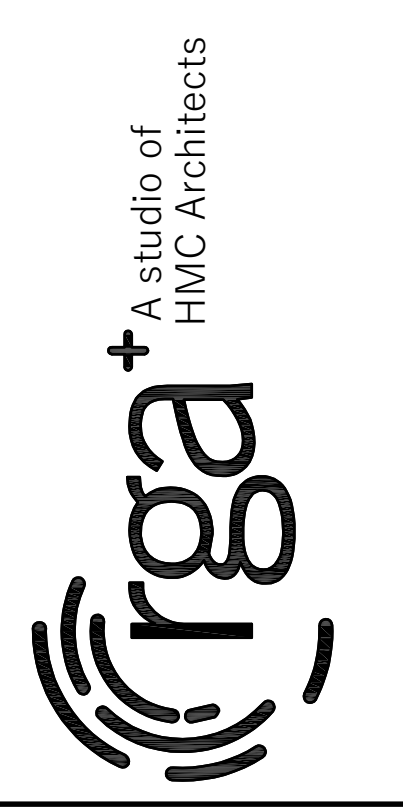
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GRADING AND PAVING PLAN - ACCESSIBLE PARKING

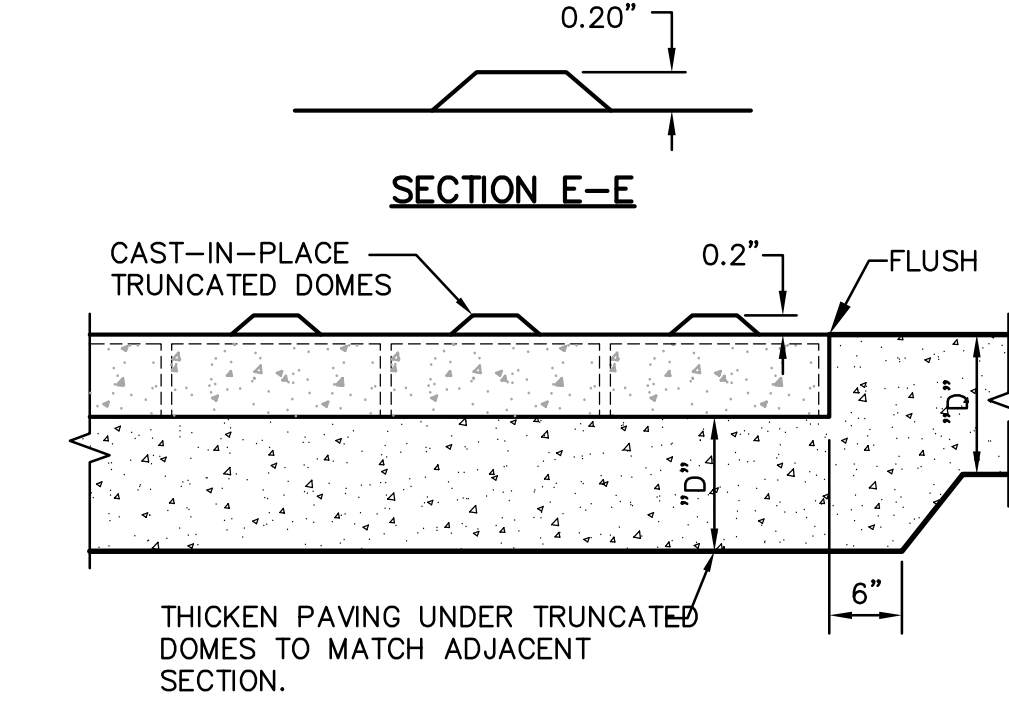
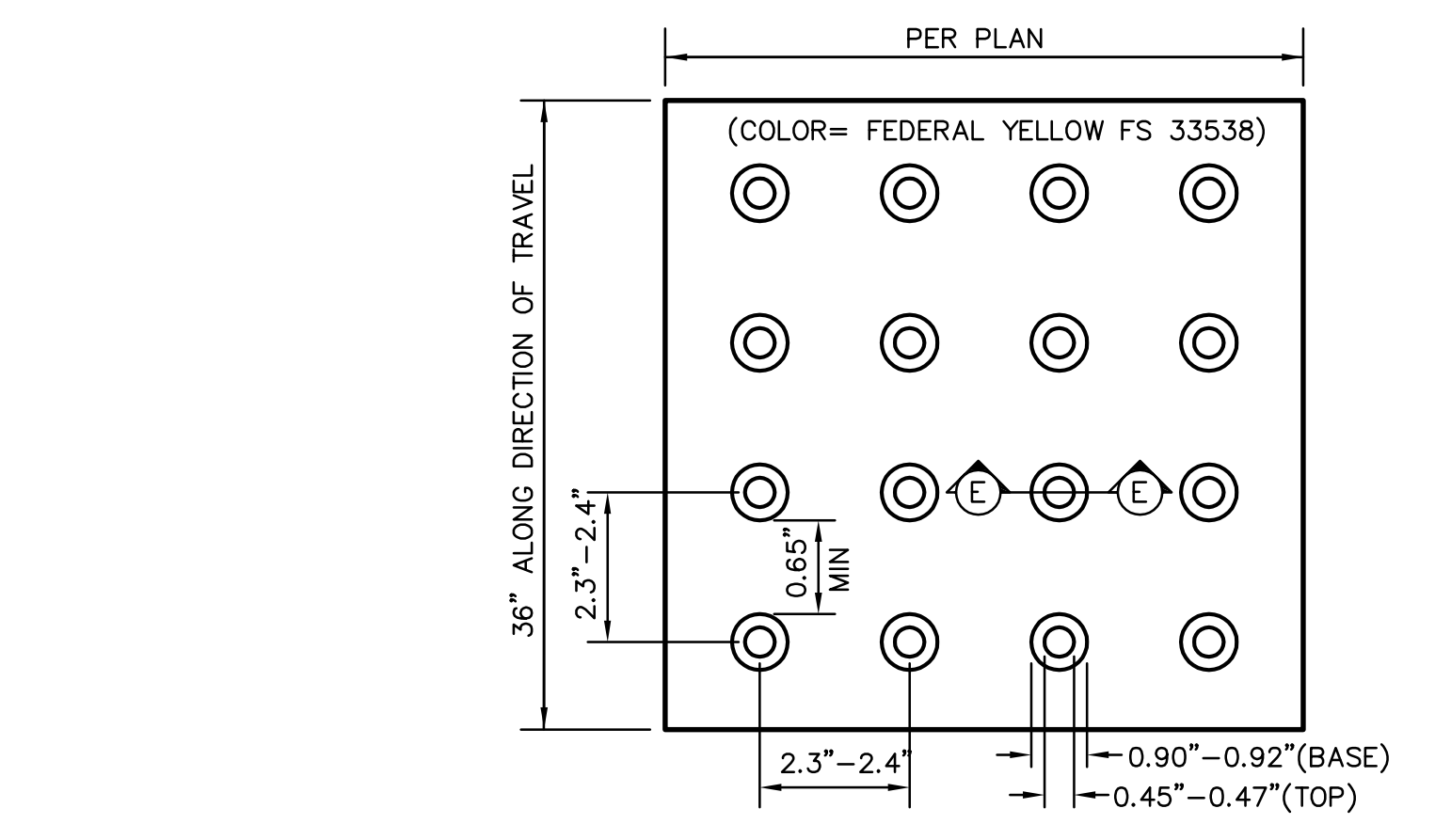
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IDENTIFICATION STAMP
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REVIEWED FOR
SS FLS ACS
DATE: 04/18/2022

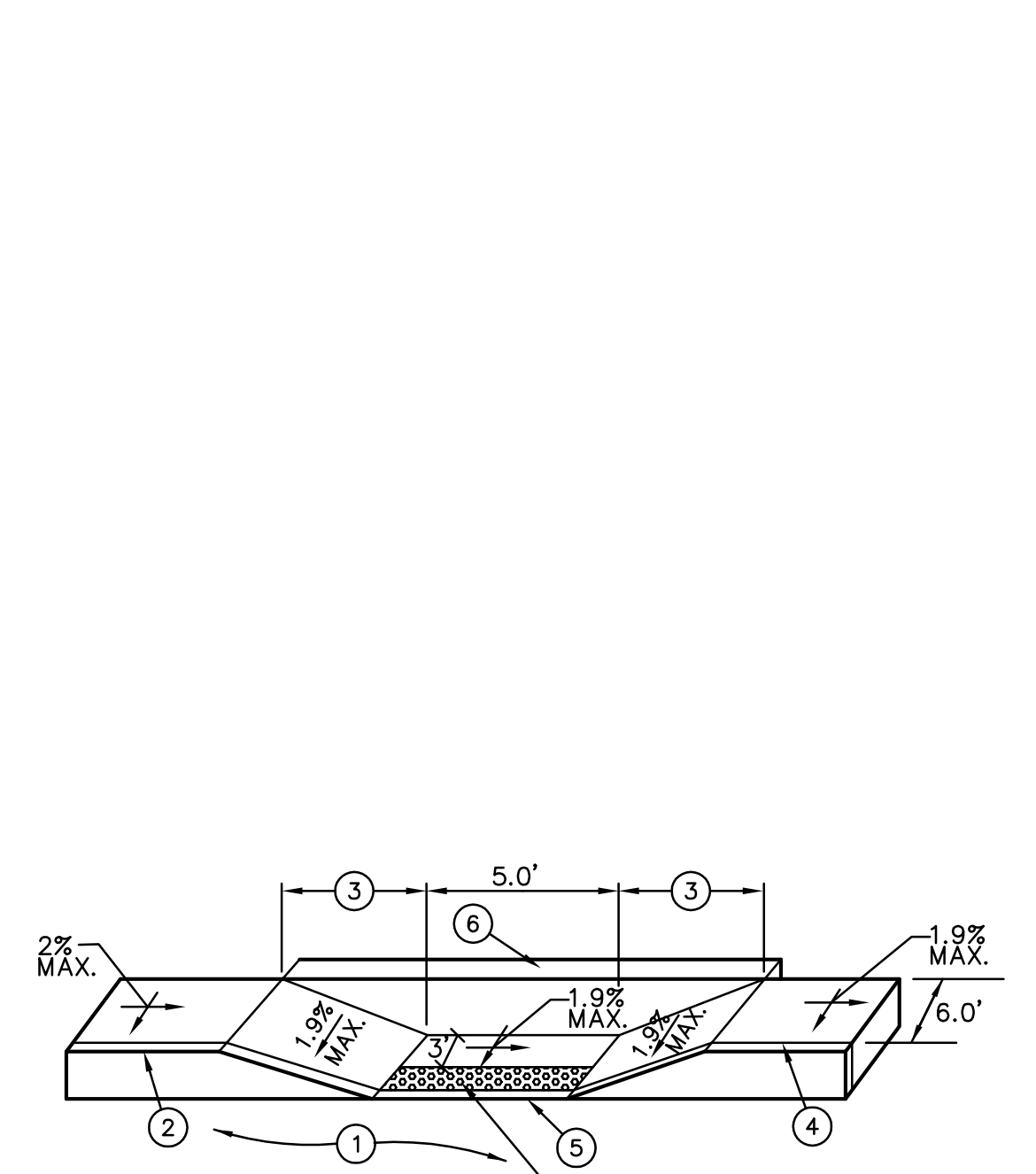


WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

**SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA**

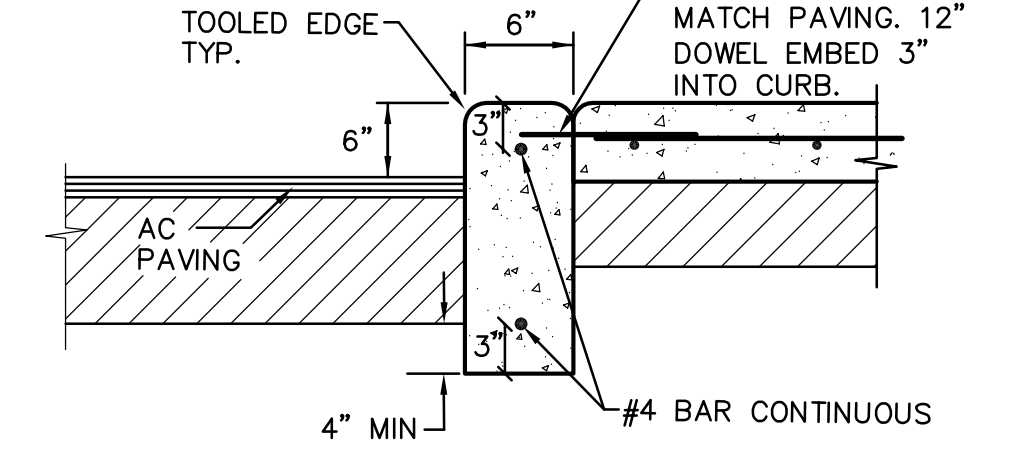
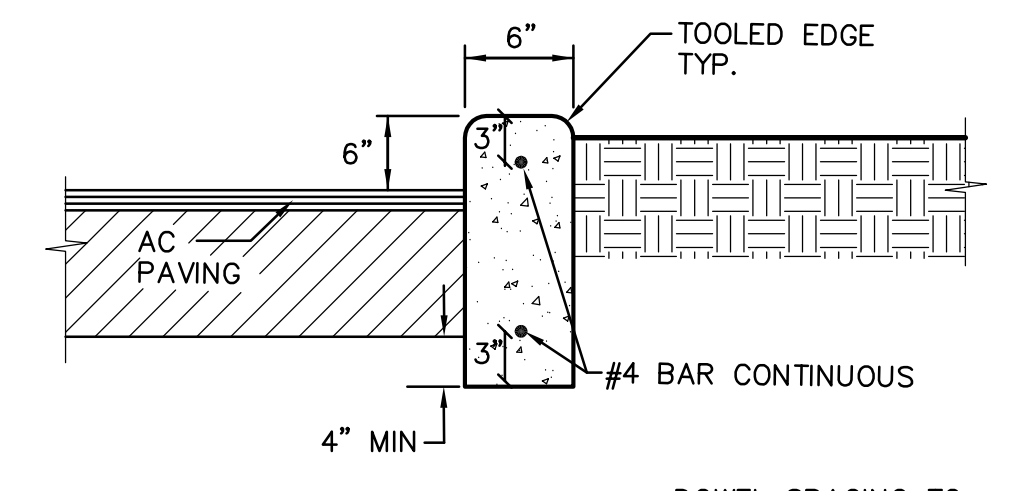
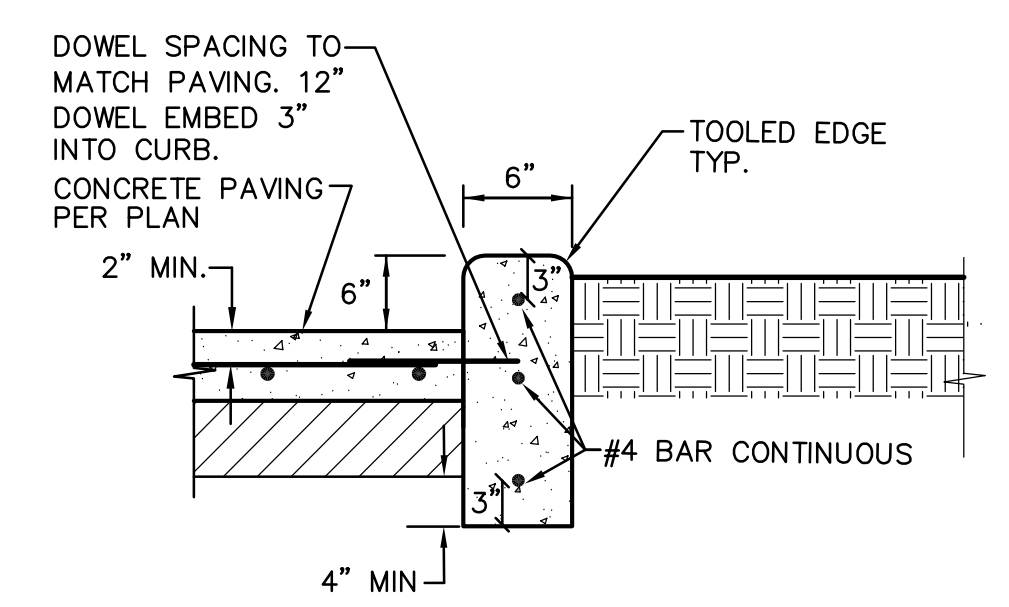


4 TRUNCATED DOMES
NO SCALE



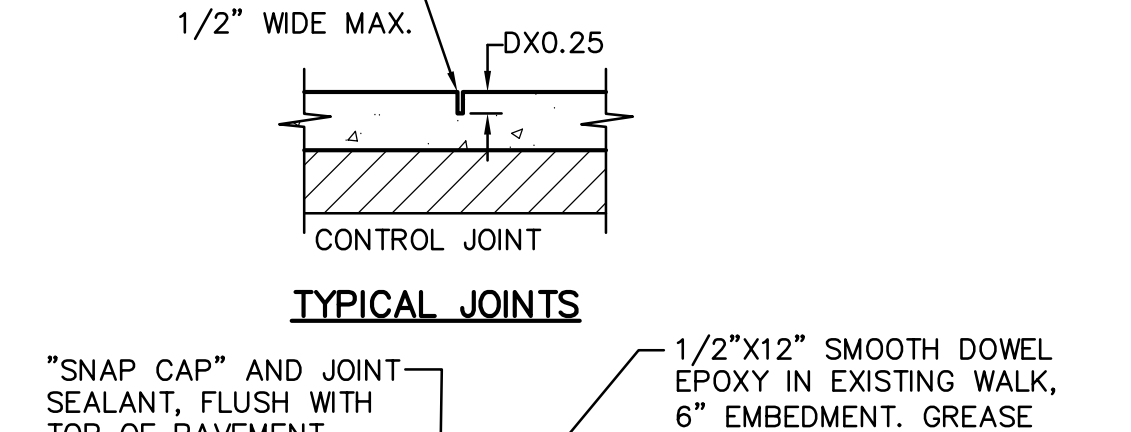
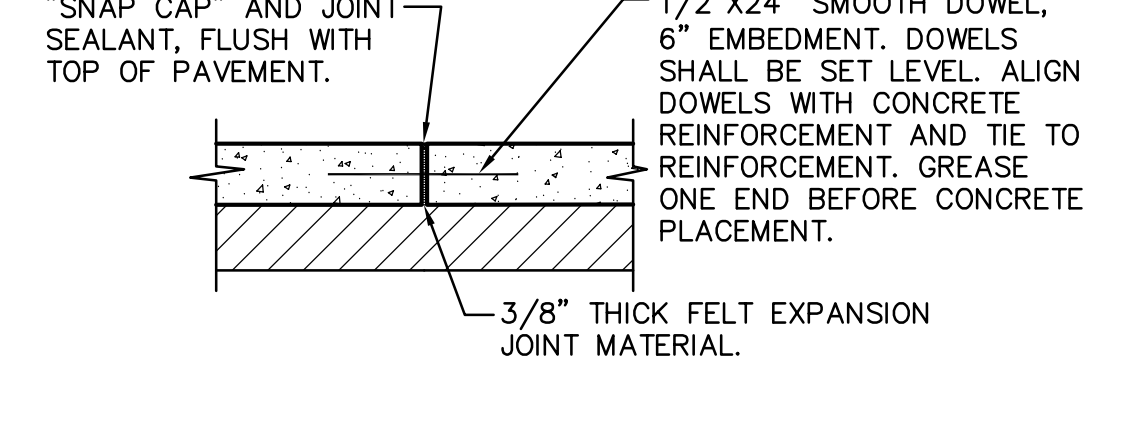
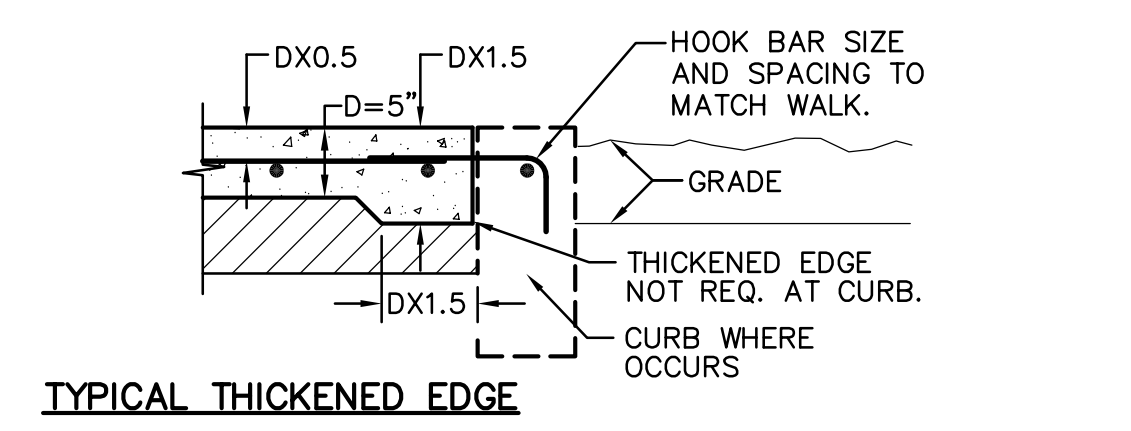
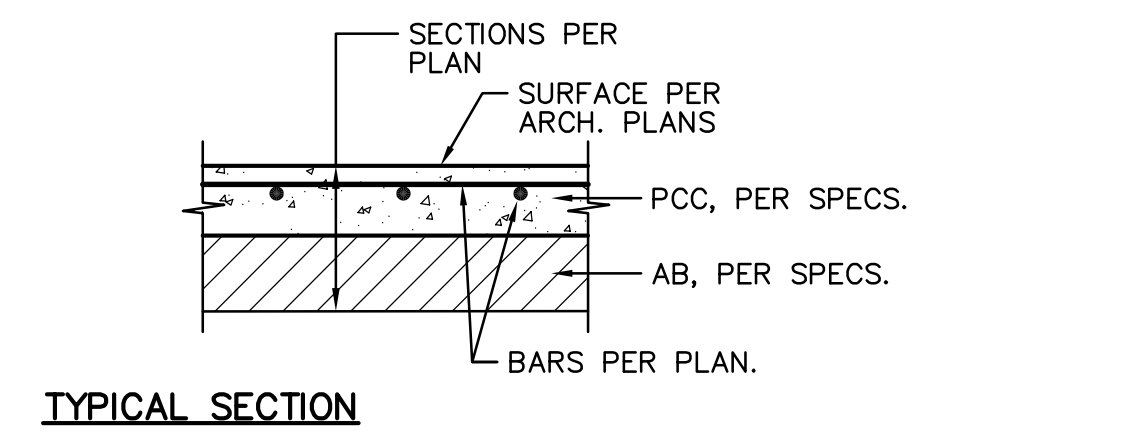
- LEGEND**
- PAVEMENT.
 - TOP FACE OF CURB, STANDARD 6" HIGH.
 - 8.3% (1:12) MAXIMUM SLOPE, 2% MAX CROSS SLOPE.
 - SCORE MARK, 6" BACK OF CURB.
 - TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.2.
 - 6" WIDE RETAINING CURB HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
 - PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS 2 INCHES MAXIMUM ON EACH SIDE PER T1B-705.1.2.2.

3 ACCESSIBLE CURB RAMP
NO SCALE



- NOTES:**
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 CONCRETE CURB
NO SCALE



- NOTES:**
- PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MIN.
 - PROVIDE CONTROL JOINTS AT 10 FEET O.C. MIN.
 - EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 CONCRETE SIDEWALK
NO SCALE

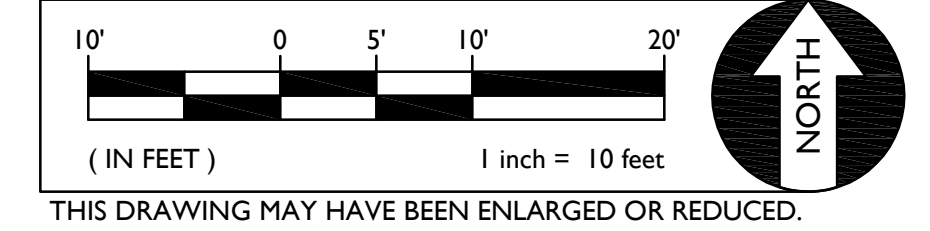
SUBGRADE PREPARATION

- 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. UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.

GRADING NOTES

- MATCH EXISTING GRADE/ELEVATION.
- CONSTRUCT CONCRETE SIDEWALK PER PLACE 5" PCC WITH #4 REBAR AT 24" O.C.E.W. OVER 12" CL2 AGGREGATE BASE ON COMPACTED SUBGRADE.
- DOWEL INTO EXISTING CONCRETE PER (C2.1)
- 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.
- PLACE 3" AC OVER 12" AB ON COMPACTED SUBGRADE.
- CONSTRUCT ACCESSIBLE CURB RAMP PER (C2.1)
- CONSTRUCT CONCRETE CURB PER (C2.1)
- REFER TO ELECTRICAL PLANS FOR CONDUIT PLACEMENT AND DETAILING.
- CONSTRUCT CONCRETE FLATWORK PER (C2.1)
PLACE 6" PCC WITH #4 REBAR AT 18" O.C.E.W. OVER 12" CL2 AGGREGATE BASE ON COMPACTED SUBGRADE.

GRAPHIC SCALE



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GRADING AND PAVING PLAN

PROJECT NO. 1504.12
DATE: 4/18/2022
SHEET **C2.1**

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT:

- 1) HAVE BEEN IDENTIFIED AND
- 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT:	49 STALLS
ACCESSIBLE PARKING STALLS:	(TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	1 (28-50 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-4 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	1 STANDARD & 1 VAN

PROPOSED SHADE STRUCTURE

UNIT	DESCRIPTION	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA (TABLE 506.2)	ACTUAL AREA	OCCUPANCY CALCULATION
SS	SHADE STRUCTURE	A-3	II-B NON-SPRINKLERED	6,000 S.F.	1,920 S.F.	1,920 S.F. / 15 NET = 128 OCC.

EXISTING BUILDING DESIGNATIONS

UNIT	DESCRIPTION	DSA APPLICATION #	AREA (SF)	NOTES
A	ADMINISTRATION / MULTIPURPOSE	9067, 23022	9,405	
B	RELOCATABLE CLASSROOMS	80078	6,413	
C	RELOCATABLE CLASSROOMS	80078	1,315	
D	CLASSROOMS	13938	4,742	
E1-E7	RELOCATABLE CLASSROOMS	53491, 02-102428	960 EACH	
F1-F5	RELOCATABLE CLASSROOMS	53491, 02-102428	960 EACH	
G1-G3	RELOCATABLE CLASSROOMS	53491, 02-102428	960 EACH	
H	RELOCATABLE CLASSROOMS	80078	5,875	
J1-J2	RELOCATABLE CLASSROOMS	19861, 48230	960 EACH	
RR	TOILET ROOMS	80078, THIS APPLICATION	480	

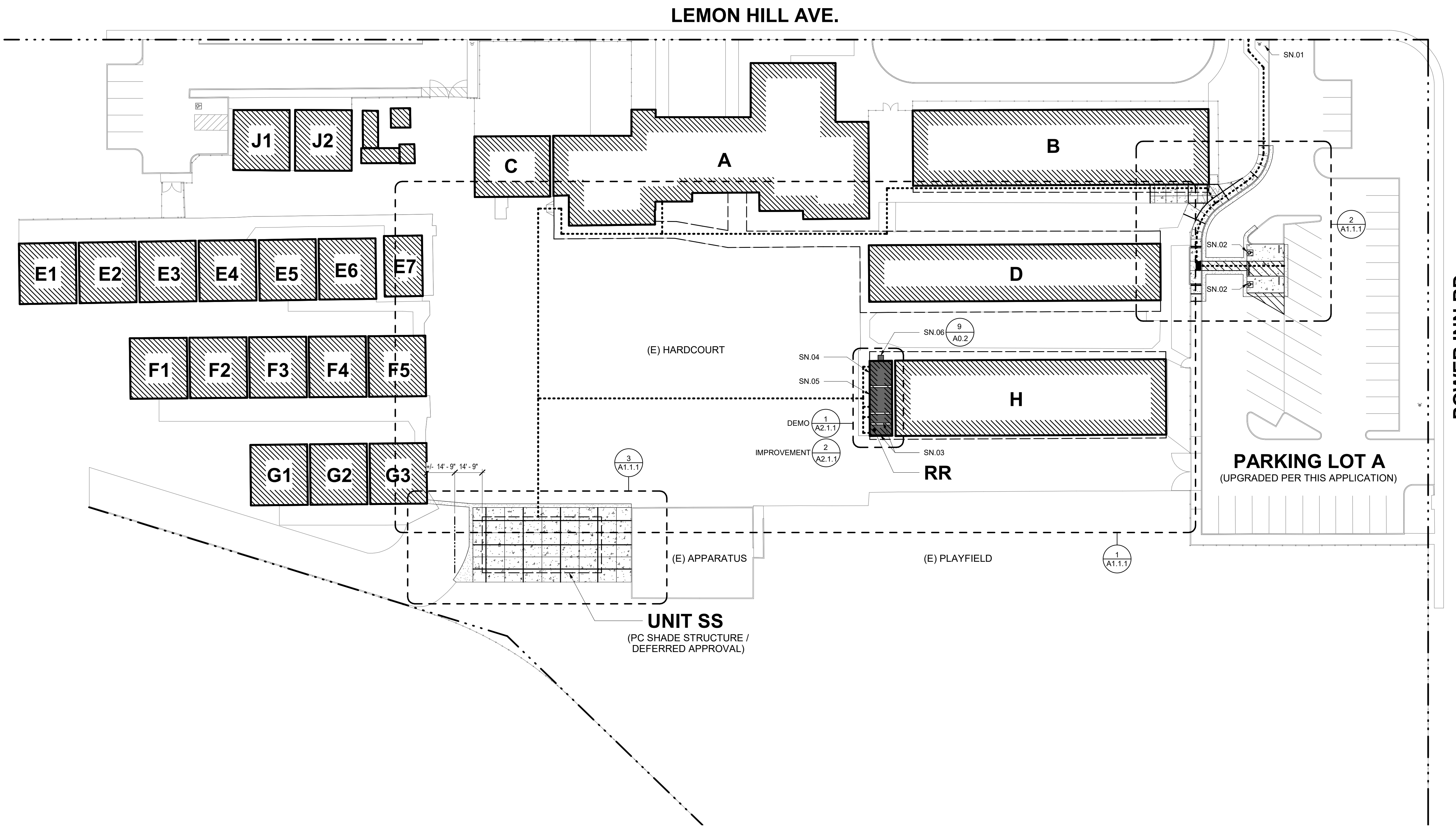
LEGEND

- PROPERTY LINE
- - - - ASSUMED PROPERTY LINE
- [X] UNIT DESIGNATION
PC SHADE STRUCTURE / DEFERRED APPROVAL
- [Hatched Box] UNIT DESIGNATION
EXISTING BUILDINGS
- [Dashed Line] EXPANSION JOINT
- [Hatched Box] CONCRETE WALK / PAVING
- [Dashed Line] CONTROL JOINT
- [Hatched Box] ASPHALT CONCRETE PAVING
- ACCESSIBLE PATH OF TRAVEL

1. SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2" ONLY. ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:1. UNIT VERTICAL TO 2 UNITS HORIZONTAL.
2. WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATINGS WHICH OCCUR WITHIN THE P.O.T. SHALL HAVE OPENINGS WHICH DO NOT EXCEED 1/2" IN THE DIRECTION OF TRAVEL PER CBC SECTION 11B-302.3.
3. AN ABRUPT DROP-OFF CHANGE IN ELEVATION AT THE EDGE OF ANY WALK INTO AN ADJACENT PLANTER SHALL NOT EXCEED 4".
4. SLOPES IN THE DIRECTION OF THE P.O.T. GREATER THAN 1:1 UNIT VERTICAL TO 20 UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 11B-506. SLOPES IN THE DIRECTION OF THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES IN THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 2%.
5. ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF 5% OR LESS SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A LIGHT BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 5% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH.
6. OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE WITHIN THE P.O.T. PER CBC SECTION 11B-307.
7. PASSING SPACES (11B-403.5.3) OF 60" X 60" MIN. ARE LOCATED NOT MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE 60" IN LENGTH LEVEL RESTING AREAS (11B-403.7) NOT MORE THAN 400' APART. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN (11B-307.4) AND FREE OF PROTRUDING OBJECTS (11B-307) GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE REQUIRED FOR ACCESSIBLE ROUTES (11B-307.5).

SHEET NOTES

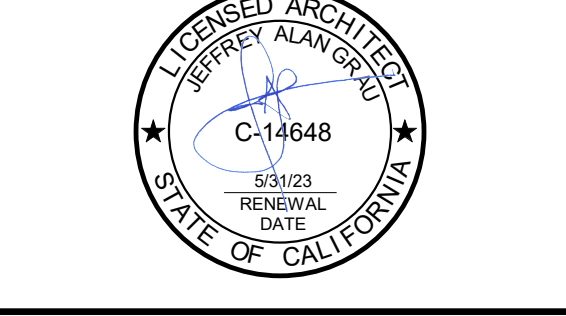
- SN 01 (E) PARKING LOT ENTRANCE SIGN REVIEWED AND VERIFIED PER THIS APPLICATION.
- SN 02 ACCESSIBLE PARKING STALLS PER THIS APPLICATION
- SN 03 (E) ACCESSIBLE STAFF TOILET ROOM UPGRADED PER THIS APPLICATION
- SN 04 (E) ACCESSIBLE GIRL'S TOILET ROOM UPGRADED PER THIS APPLICATION
- SN 05 (E) ACCESSIBLE BOYS TOILET ROOM UPGRADED PER THIS APPLICATION
- SN 06 (E) ACCESSIBLE DRINKING FOUNTAIN UPGRADED PER THIS APPLICATION



1 SITE PLAN
1" = 30'-0"

IDENTIFICATION STAMP
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APP: 02-120002 INC.
REVIEWED FOR
SS [x] FLS [x] ACS [x]
DATE: 04/18/2022

A studio of
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HMC Architects



SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

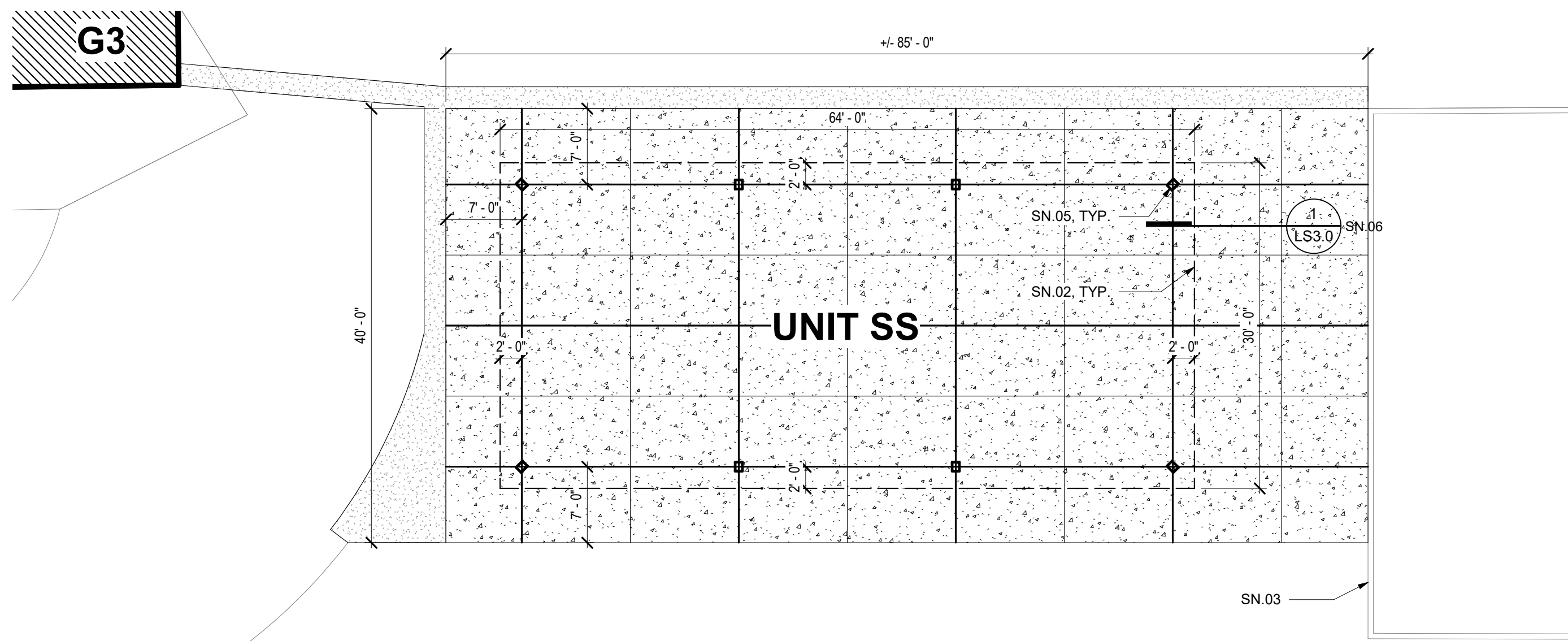
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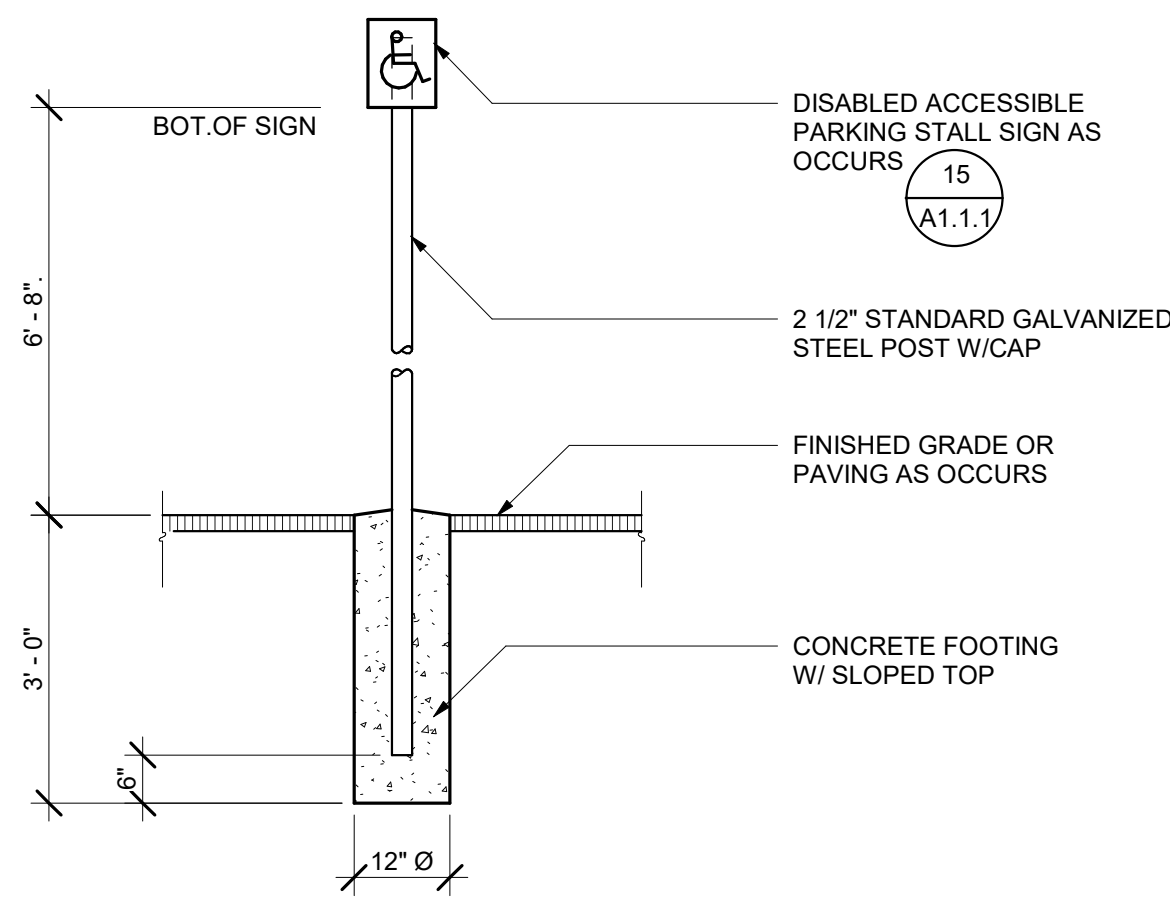
**SITE PLAN AND CODE
INFORMATION**

PROJECT NO. 1504.12
DATE: 3/22/2022
SHEET

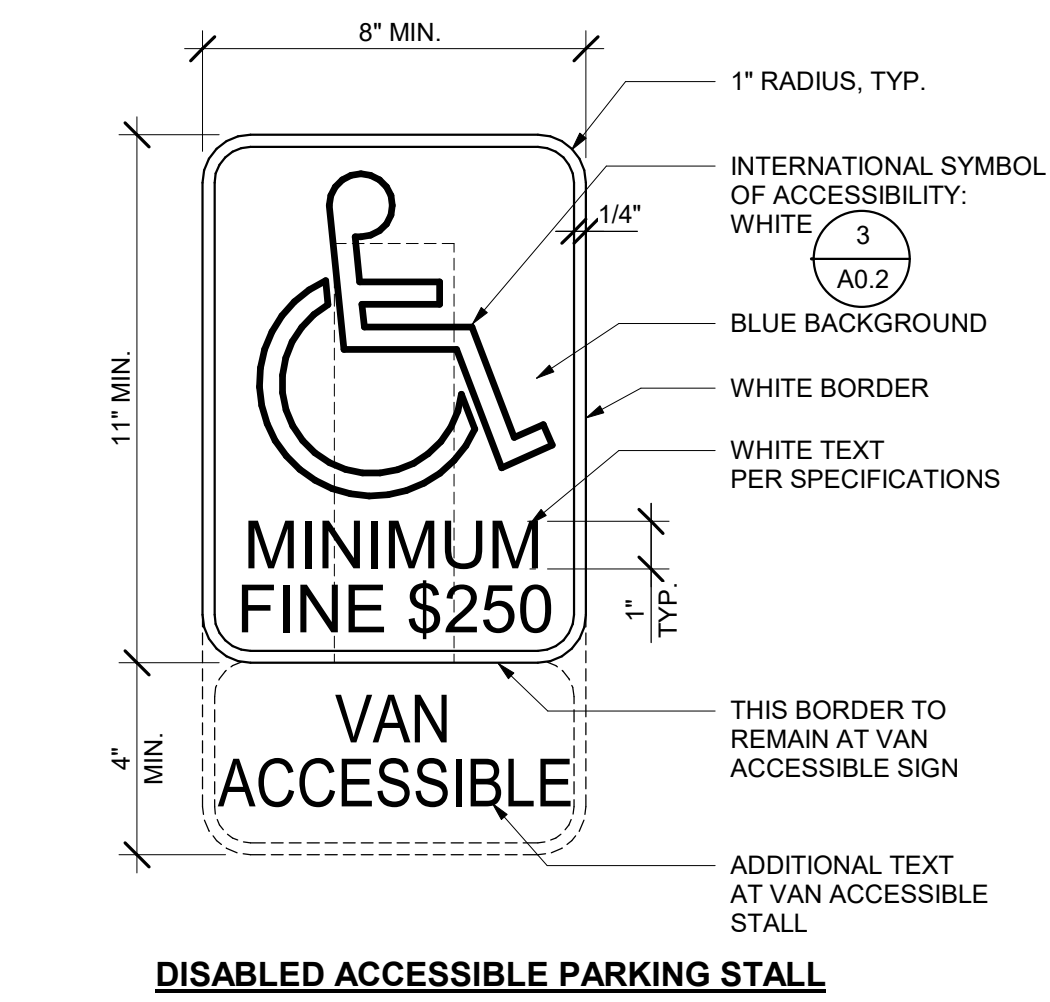
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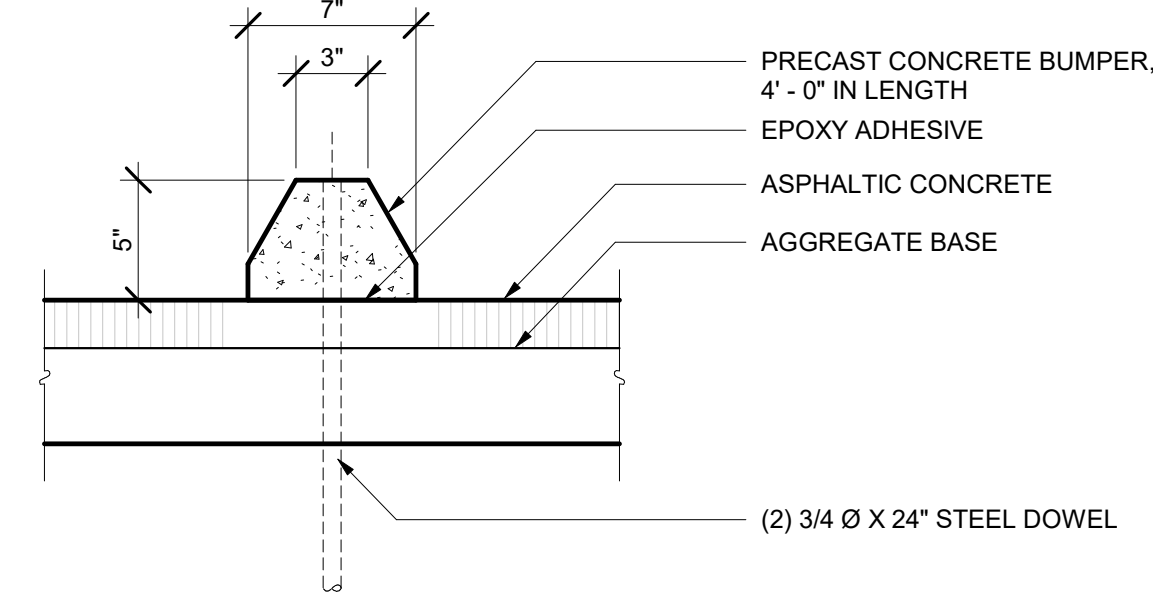
3 ENLARGED PLAN - SHADE STRUCTURE
1" = 10'-0"



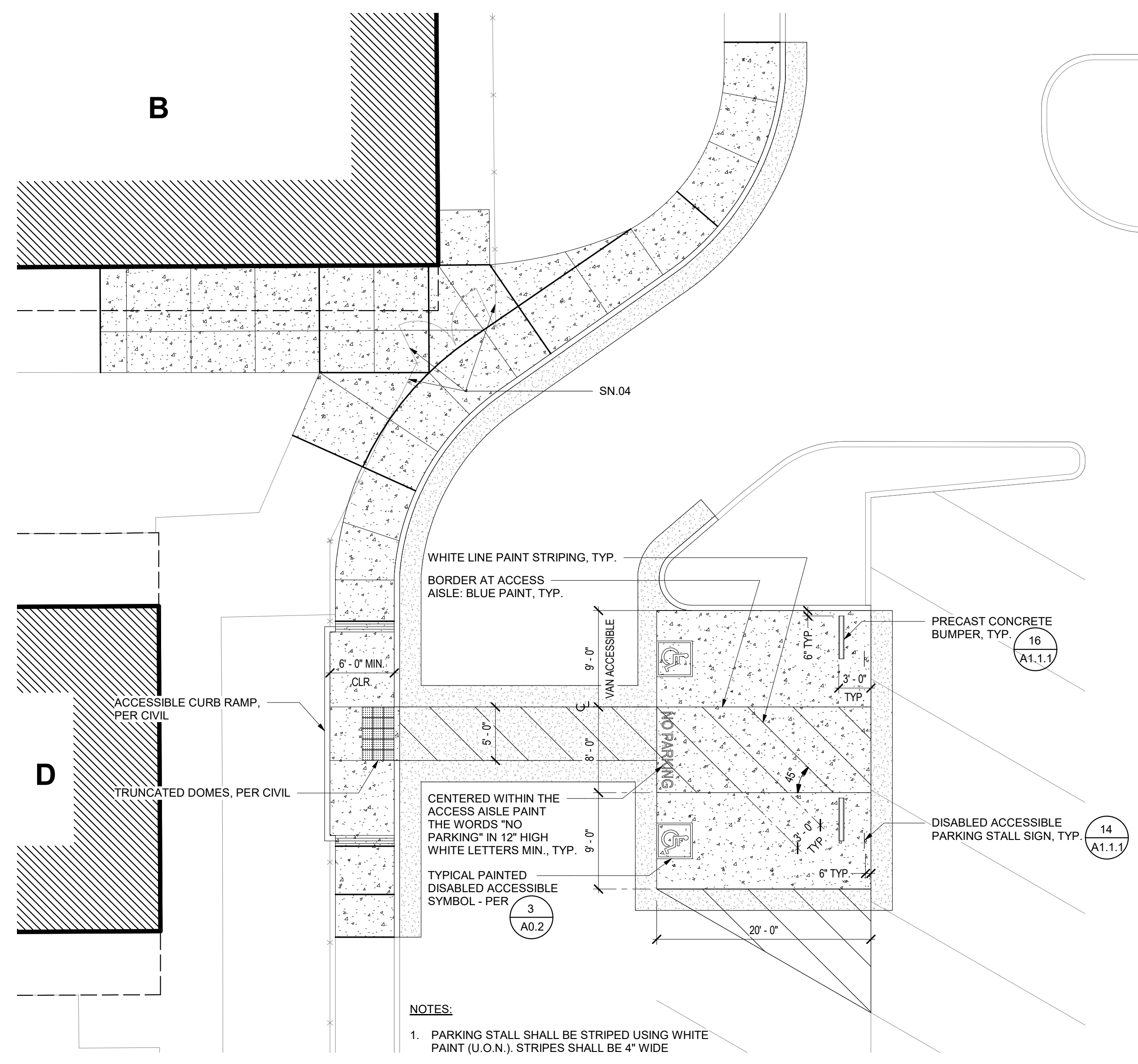
14 METAL SIGNS
1/2" = 1'-0"



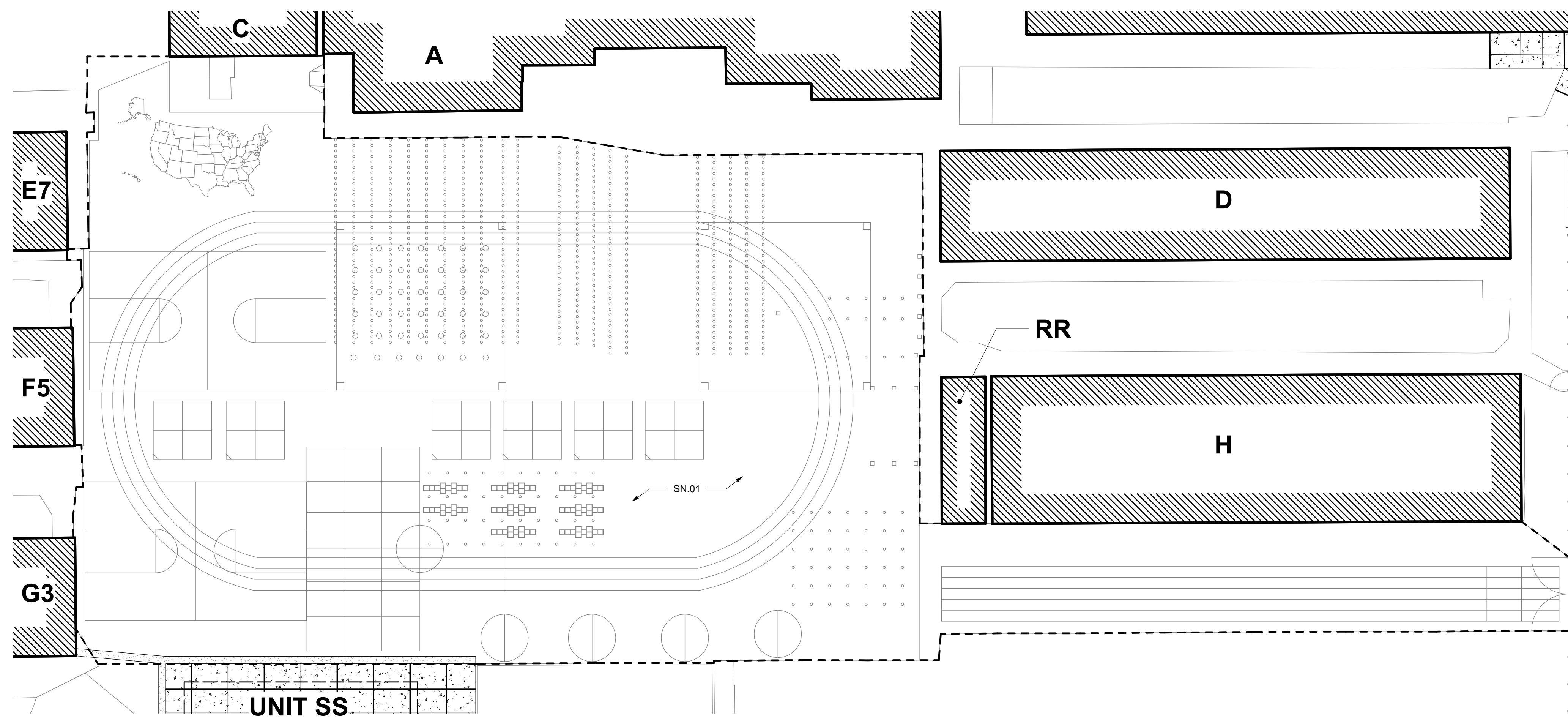
15 PARKING SIGNAGE
3" = 1'-0"



16 PRECAST CONCRETE BUMPER
1 1/2" = 1'-0"



2 ENLARGED PLAN - PARKING
1/8" = 1'-0"



1 ENLARGED PLAN - STRIPING
1" = 20'-0"

LEGEND

- PROPERTY LINE
- - - - ASSUMED PROPERTY LINE
- [Symbol] UNIT DESIGNATION
PC SHADE STRUCTURE / DEFERRED APPROVAL
- [Symbol] UNIT DESIGNATION
EXISTING BUILDINGS
- [Symbol] EXPANSION JOINT
- [Symbol] CONCRETE WALK / PAVING
- [Symbol] CONTROL JOINT
- [Symbol] ASPHALT CONCRETE PAVING

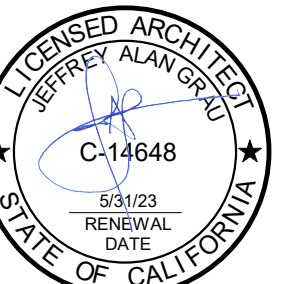
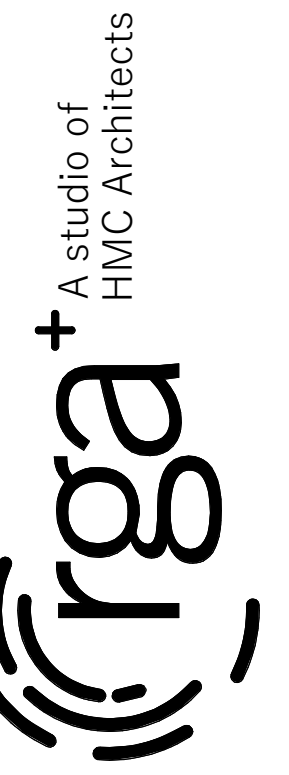
GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF CRACK REPAIR AT (E) HARD COURT.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING (E) STRIPING CONDITIONS AND VERIFYING EXACT LAYOUT TO BE RESTRIPE WITH DISTRICT.

SHEET NOTES

- SN.01 ALTERNATE 1: (E) HARD COURT SHALL RECEIVE CRACK REPAIRS AND 2 COATS OF SEAL COAT. (E) STRIPING IS TO BE RESTRIPE OVER SEAL COAT. EXTENTS SHOWN DASHED
- SN.02 ROOF OVERHANG ABOVE, PER PC SHADE STRUCTURE / DEFERRED APPROVAL. CONTRACTOR IS RESPONSIBLE FOR FIELD CUTTING METAL ROOF PANELS FOR INSTALLATION.
- SN.03 (E) APPARATUS CURB TO REMAIN
- SN.04 (E) FENCE AND GATE TO REMAIN
- SN.05 HSS COLUMN AND FOOTING, PER PC SHADE STRUCTURE / DEFERRED APPROVAL
- SN.06 FOR FOOTING / CONCRETE PAD / COLUMN INTERACTION, SEE PC SHADE STRUCTURE / DEFERRED APPROVAL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120002 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/18/2022



SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

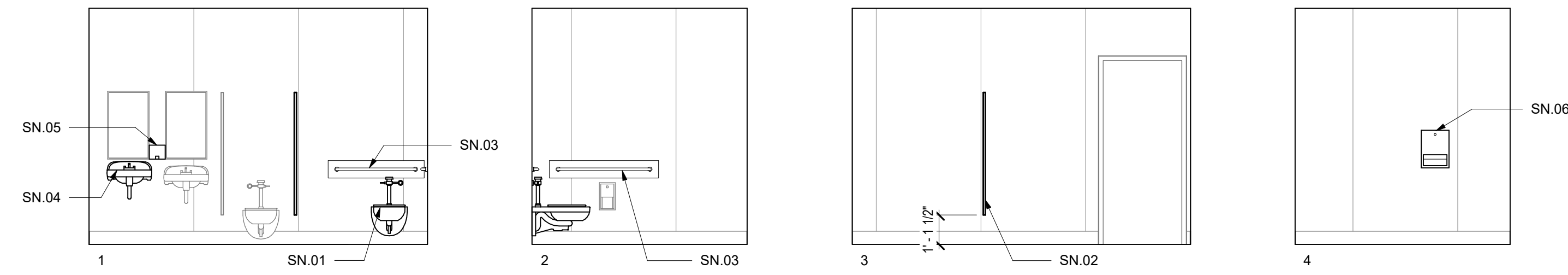
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**PARTIAL SITE PLANS
AND DETAILS**

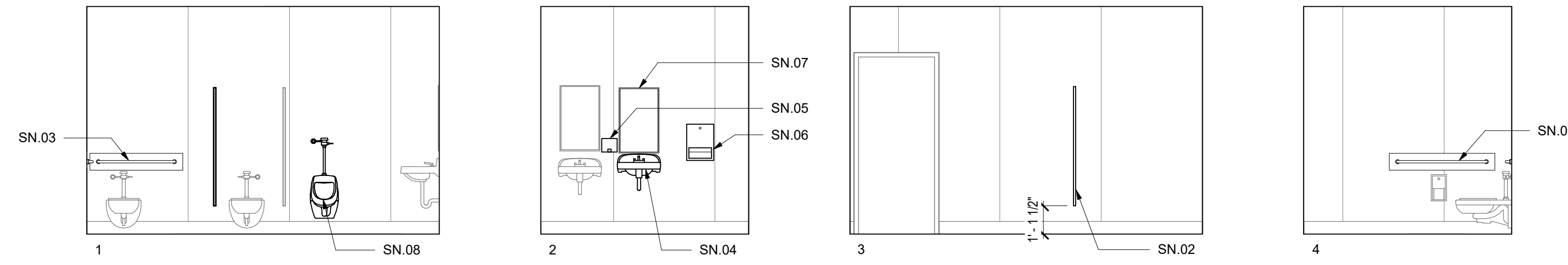
PROJECT NO. 1504.12
DATE: 3/22/2022
SHEET

A1.1.1



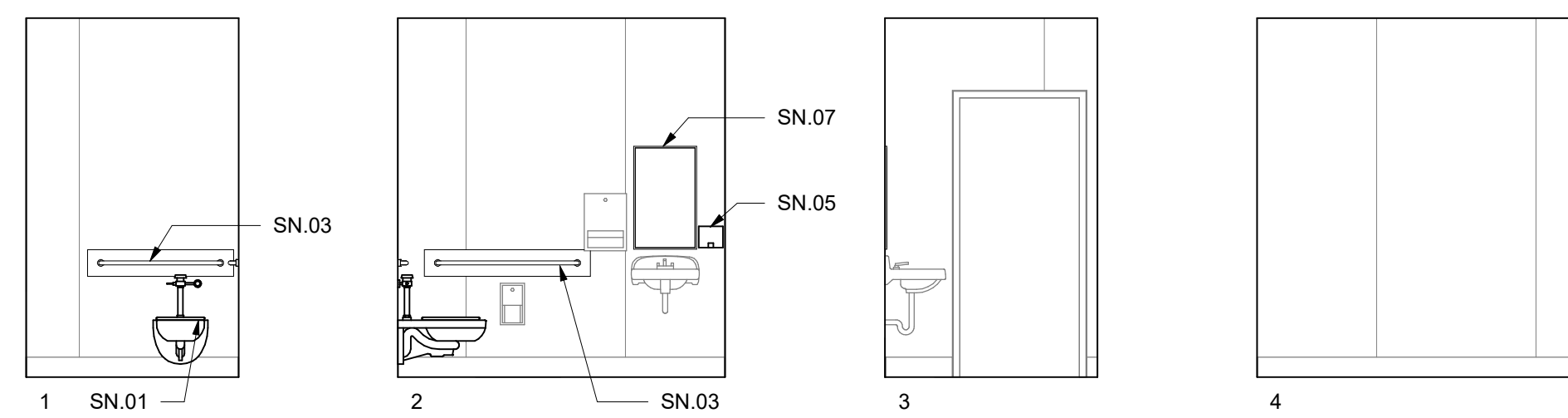
RR101 - GIRLS
1/4" = 1'-0"

ADULT HEIGHT



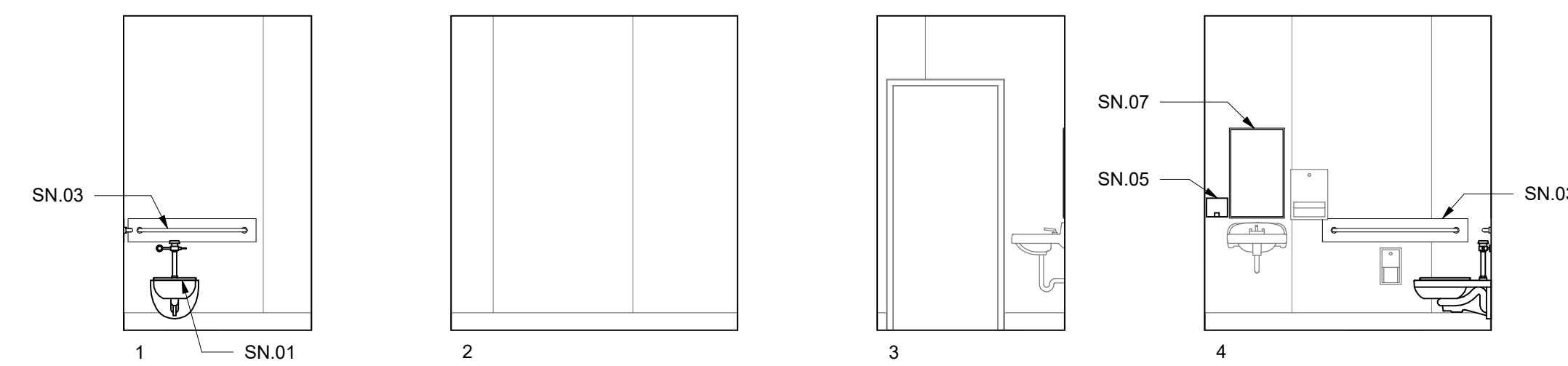
RR102 - BOYS
1/4" = 1'-0"

ADULT HEIGHT



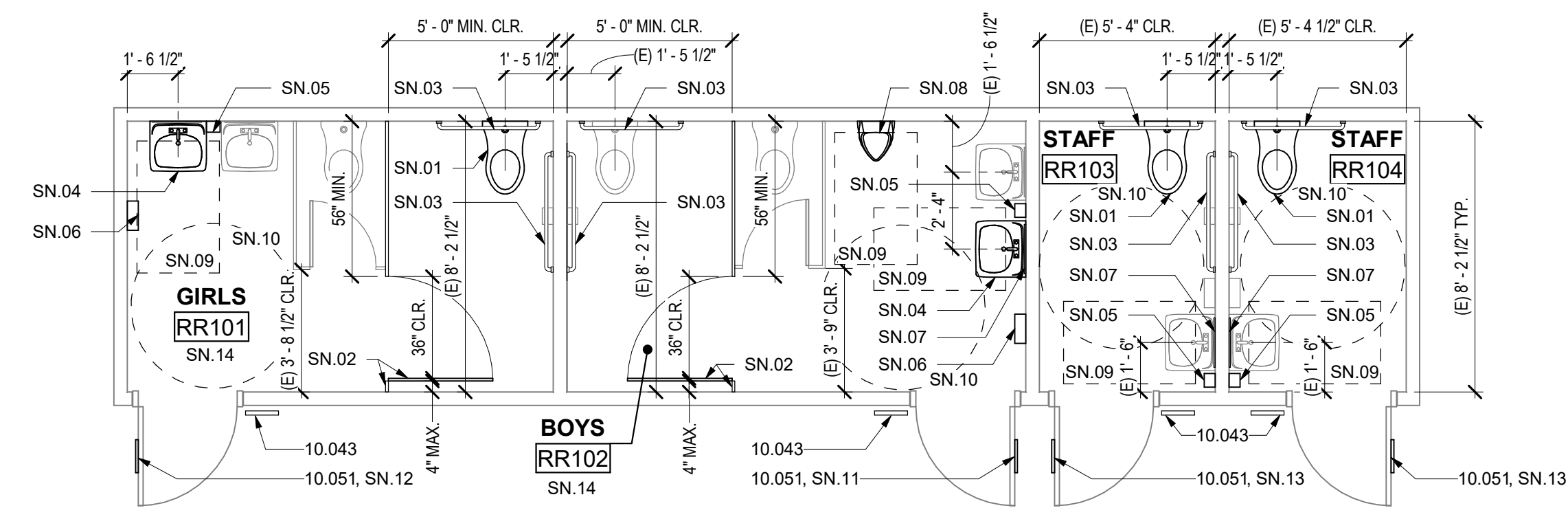
RR103 - STAFF
1/4" = 1'-0"

ADULT HEIGHT



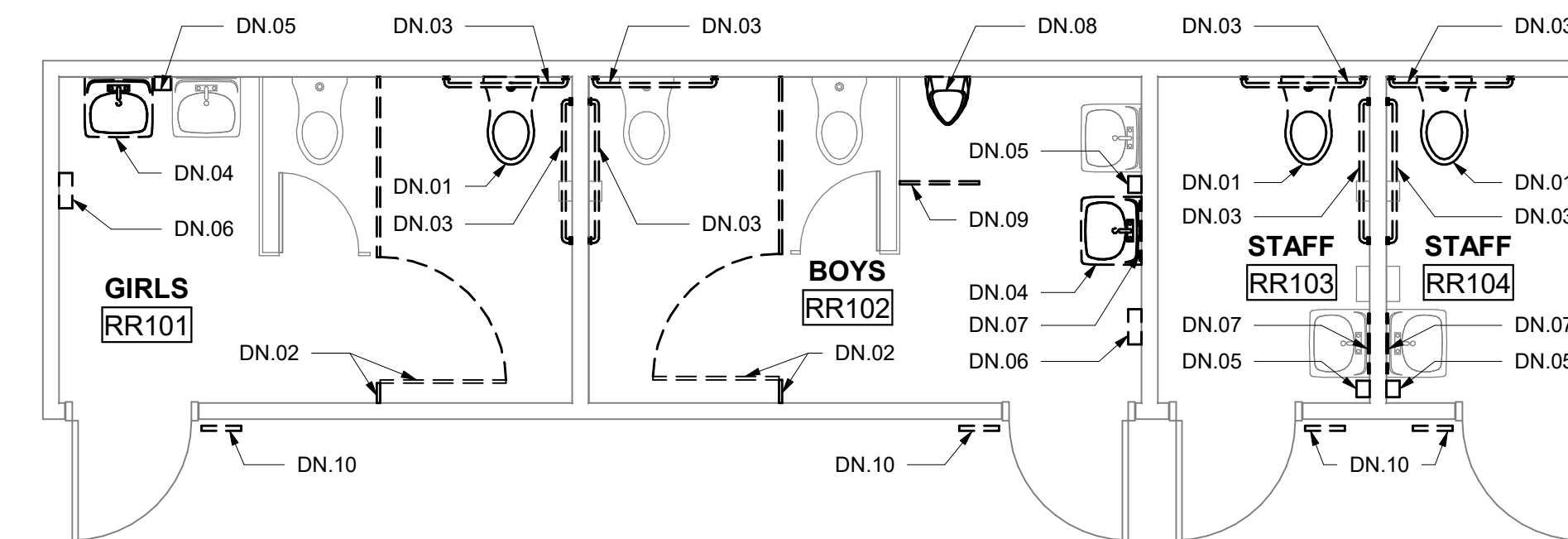
RR104 - STAFF
1/4" = 1'-0"

ADULT HEIGHT



2 TOILET ROOMS - IMPROVEMENT
1/4" = 1'-0"

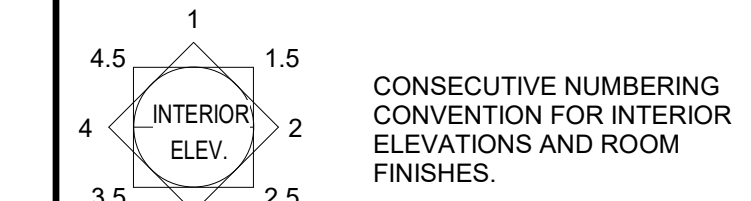
ADULT HEIGHT



1 TOILET ROOMS - DEMOLITION
1/4" = 1'-0"

ADULT HEIGHT

LEGEND



GENERAL NOTES

- FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY, REFER TO SHEET A0.2
- PROTECT ALL ADJACENT SURFACES. ITEMS AND FINISHES NOT NOTED TO BE DEMOLISHED.
- EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR REINSTALLATION" WILL BE REMOVED AND STORED BY THE CONTRACTOR PRIOR TO START OF DEMOLITION. THESE EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT.
- REMOVE ALL ITEMS SCHEDULED TO BE REMOVED, INCLUDING MOUNTING HARDWARE.
- DEMO AND REPAIR WALL FINISH AS NECESSARY TO PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED. ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR.

DEMOLITION NOTES

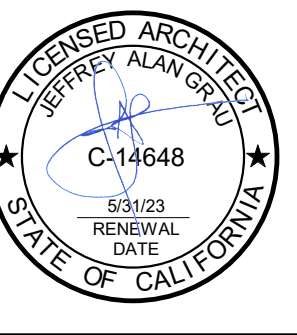
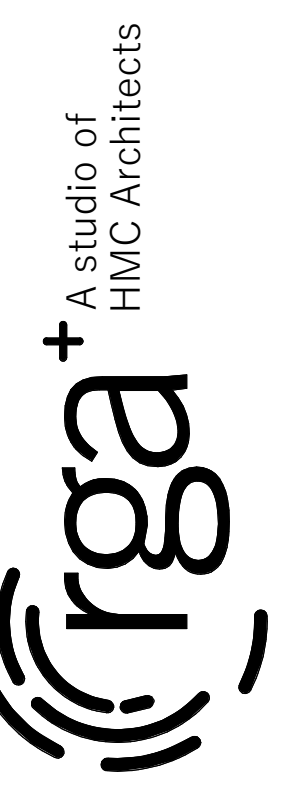
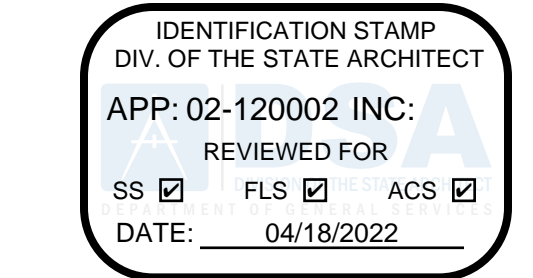
- REMOVE (E) WALL-MOUNTED WATER CLOSET AND SALVAGE FOR REINSTALLATION
- REMOVE (E) TOILET PARTITION AND TOILET PARTITION DOOR AND SALVAGE FOR REINSTALLATION
- REMOVE (E) GRAB BARS AND SALVAGE FOR REINSTALLATION
- REMOVE (E) LAVATORY AND SALVAGE FOR REINSTALLATION
- REMOVE (E) SOAP DISPENSER AND SALVAGE FOR REINSTALLATION
- REMOVE (E) PAPER TOWEL DISPENSER AND SALVAGED FOR REINSTALLATION
- REMOVE (E) MIRROR AND SALVAGE FOR REINSTALLATION
- REMOVE (E) WALL-MOUNTED URINAL AND SALVAGE FOR REINSTALLATION
- REMOVE (E) URINAL SCREEN
- REMOVE (E) TOILET ROOM I.D. SIGN

SHEET NOTES

- REINSTALL (E) SALVAGED WALL-MOUNTED WATER CLOSET TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO WATER CLOSET. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- REINSTALL (E) SALVAGED TOILET PARTITION AND TOILET PARTITION DOOR
- REINSTALL (E) SALVAGED GRAB BARS TO COMPLY WITH A0.2
- REINSTALL (E) SALVAGED LAVATORY TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO LAVATORY. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- REINSTALL (E) SALVAGED SOAP DISPENSER TO COMPLY WITH A0.2
- REINSTALL (E) SALVAGED PAPER TOWEL DISPENSER TO COMPLY WITH A0.2
- REINSTALL (E) SALVAGED MIRROR TO COMPLY WITH A0.2
- REINSTALL (E) SALVAGED WALL-MOUNTED URINAL TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO URINAL. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- 30" X 48" CLEAR SPACE
- 80" DIA. TURNING CIRCLE
- SIGN TO READ "BOYS"
- SIGN TO READ "GIRLS"
- SIGN TO READ "STAFF"
- WRAP ALL EXPOSED PIPES WITH INSULATION AT LAVATORIES

KEYNOTES

- SIGNAGE: TOILET ROOM IDENTIFICATION
- SIGNAGE: TOILET ROOM DOOR SYMBOL



SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

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**TOILET ROOM
DEMOLITION AND
IMPROVEMENT PLANS
AND INTERIOR
ELEVATIONS**

UNIT RR
PROJECT NO. 1504.12
DATE: 3/22/2022
SHEET

A2.1.1

ABBREVIATION LIST

Ø	AT
A	AMPERE
AC	ALTERNATING CURRENT
A/C	AIR CONDITIONING
AER	ARC ENERGY REDUCTION
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AT	AMP TRIP SETTING
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BD	BOARD
BFC	BELOW FINISHED CEILING
BRKR	BREAKER
BLDG	BUILDING
BPS	BOOSTER POWER SUPPLY
C	CONDUIT
C/B	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CRC	CIRCUIT
CLG	CEILING
CO	CONDUIT ONLY, WITH PULL LINE
CONT	CONTINUOUS
CU	COPPER
CWP	METALLIC COLD WATER PIPE
(D)	DEMOLISH
DC	DIRECT CURRENT
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
(E)	EXISTING
E/W	EACH WITH
EA	EACH
EL	EVENING LIGHT
ELEC	ELECTRIC
EM	EMERGENCY
EQ	ELECTRICAL METALLIC TUBING
END	END OF LINE DEVICE
EQUIP	EQUIPMENT
(ER)	EXISTING RELOCATED
EW	ELECTRICAL WATER COOLER
EMH	ELECTRIC WATER HEATER
(F)	FUTURE
FAFP	FIRE ALARM CONTROL PANEL
FAEP	FIRE ALARM EXTENDER PANEL
FATC	FIRE ALARM TERMINAL CABINET
FBO	FURNISHED BY OTHERS
FLUOR	FLUORESCENT
FT	FOOT
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GLZ	GENERAL LIGHTING ZONE
GND	GROUND
GP	METALLIC GAS PIPE
GYP	GYP-SUM
HID	HIGH INTENSITY DISCHARGE
HT	HORSE POWER
HT	HEIGHT
HERTZ	HERTZ
IMC	INTERMEDIATE METALLIC CONDUIT
IN	INCH
ISC	SHORT CIRCUIT CURRENT (RMS SYMMETRICAL)
ISO	ISOLATED
J-BOX	JUNCTION BOX
KMIL	THOUSAND CIRCULAR MILLS
KVA	KILO VOLT AMP
KW	KILOWATT
LC	LIGHTING CONTROL PANEL
LV	LOW VOLTAGE
MCM	METALLIC CIRCULAR MILLS
MECH	MECHANICAL
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MPOE	MAIN POINT OF ENTRY
MSB	MAIN SWITCHBOARD
(N)	NEW
NIC	NOT IN CONTRACT
NIES	NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS.
NL	NIGHT LIGHT
NO. #	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OCFI	OWNER FURNISHED, CONTRTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P	POLE
PB	PULL BOX
PFB	PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE
PDZ	PRIMARY DAYLIT ZONE
PFCT	PROVISION FOR FUTURE CURRENT TRANSFORMER
PH, Ø	PHASE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PVC	POLYVINYL CHLORIDE CONDUIT
(R)	RELOCATE / RELOCATED
REQ'D	REQUIRED
RM	ROOM
RMC	RIGID METAL CONDUIT
(RR)	REMOVE AND REPLACE
SDZ	SECONDARY DAYLIT ZONE
SKZ	SKYLIGHT DAYLIT ZONE
SPEC	SPECIFICATION
STC	SIGNAL TERMINAL CABINET
SQ	SQUARE
SW	SWITCH
TEL	TELEPHONE
TGB	TELECOMMUNICATIONS GROUNDING
TMGB	BUSBAR
TEL	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UC	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLTS
WP	WEATHERPROOF
WT	WEIGHT
W	WATT
W/	WITH
XFR	TRANSFORMER
&	AND

GENERAL NOTES

- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER AS PRESCRIBED BY THE SCHOOL'S REPRESENTATIVE.
- PROTECT EXISTING EQUIPMENT AND FURNISHINGS FROM ANY DAMAGE DUE TO DUST, MOISTURE OR CONTACT WITH WORK CREW OR MATERIALS.
- THE SCHOOL SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY POWER SHUTDOWN OF EXISTING PANELS OR SERVICE. SCHEDULE OF SHUTDOWNS SHALL BE AT CONVENIENCE OF THE SCHOOL. THE SCHOOL MAY, AT THEIR OPTION, HAVE A REPRESENTATIVE PRESENT DURING SHUTDOWN. ALL WORK REQUIRING SHUTDOWNS OF EXISTING PANELS OR SERVICE SHALL BE DONE BETWEEN 12:00 AM MIDNIGHT AND 6:00AM WEEKDAYS OR ON SATURDAY AND SUNDAY. REQUIRED SHUTDOWNS SHALL BE KEPT TO A MINIMUM.
- ADEQUATELY STRAP AND SUPPORT ALL CONDUIT WORK PER CEC. IN GENERAL, SUPPORT ALL CONDUIT WITHIN THREE FEET (3') OF OUTLET BOX, CABINET OR PANEL AND MAXIMUM TEN FEET (10') ON CENTER THEREAFTER.
- CORE BORE SHALL BE 1" DIAMETER LARGER THAN EACH CONDUIT. SPACE CONDUIT HOLES 3" APART. SEAL AROUND CONDUIT WITH NON-SHRINK, NON-METALLIC GROUT.
- ALL CONDUCTORS INSTALLED IN PANELBOARDS SHALL BE TRAINED, LACED, AND INSTALLED WITH PHASE TAPE ON ALL CONDUCTORS.
- LABEL DEVICES (I.E. RECEPTACLES, ETC.) ON EACH COVER PLATE IDENTIFYING CIRCUIT AND PANEL DEVICE IS CONNECTED TO.
- CLEAN ALL EXTERIOR AND INTERIOR SURFACES OF PANELS AND ALL MATERIAL AND METAL SHAVINGS FROM PANEL AND CABINET INTERIORS. ALL OPENINGS SHALL BE SEALED AND APPLY TOUCH-UP SPRAY PAINT WHERE NEEDED.
- FIELD COORDINATE DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- CONTRACTOR WILL PROVIDE WARNING LABELS NOTING THE POTENTIAL FOR ELECTRIC ARC FLASH HAZARDS PER CEC 110.16. PROVIDE LABELS ON EQUIPMENT SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, MOTOR CONTROL CENTERS, MOTOR STARTER / CONTACTOR PANELS, DISCONNECTS, ETC.. PROVIDE WARNING LABELS BY BRADY, MODEL NO. 101517, OR EQUAL, ON ALL EQUIPMENT.
- INSTALLATION SHALL COMPLY WITH CEC 210.4 - EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMMON NEUTRAL SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED.
- SUPPORT ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H).
- SEAL CONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR, WHERE EQUIPMENT IS INSTALLED ON THE EXTERIOR WALL, STUB CONDUITS THROUGH WALL AND SEAL CONDUIT OPENINGS. THEN INSTALL EXTERIOR EQUIPMENT. ALSO, SEAL AROUND THE PERIMETER EDGE OF THE EQUIPMENT ENCLOSURE BETWEEN THE ENCLOSURE AND BUILDING.
- CONDUITS INSTALLED ON ROOF AND BUILDING EXTERIOR SHALL BE RIGID GALV. STEEL (HEAVY WALL) WITH THREADED FITTINGS. CONDUIT AND WALL TO BE PAINTED OUT TO MATCH EXTERIOR FINISH.
- SPLICES AND TERMINALS SHALL BE COMPRESSION TYPE OF SEAMLESS PURE COPPER, TIN PLATED, LONG BARREL (TERMINALS WITH TWO-HOLE PAD AND INSPECTION WINDOW WITH NEMA DRILLING), AS MANUFACTURED BY BURNDY TYPE YS, YAZ-ZN OR EQUAL. CLEAN ALL SURFACES AND INSTALL WITH OXIDE INHIBITING COMPOUND, BURNDY PENETROX-E OR EQUAL. APPLY COMPOUND BETWEEN BUS AND LUG PAD AND BETWEEN CONDUCTOR AND LUG BARREL. INSTALL COMPRESSION CONNECTORS WITH 360° CIRCUMFERENTIAL COMPRESSION DYE, BURNDY HYPRESS OR EQUAL. THE INDENTER OR OTHER TYPE TOOLS WILL NOT BE ACCEPTABLE.
- INSTALL "MECHANICALLY FASTENED PHENOLIC NAMEPLATE WITH WHITE LETTERING ON BLACK BACKGROUND ON ALL EQUIPMENT, INCLUDING PULL BOXES, WITH DESCRIPTION INDICATED ON DRAWINGS. NAMEPLATES SHALL READ EXACTLY AS DESCRIBED ON THE DRAWINGS. IN GENERAL, NAMEPLATE LETTERING SIZE SHALL BE 3/16" HIGH FOR ALL NAMEPLATES SERVING FEEDER AND BRANCH CIRCUIT BREAKERS. ON MAIN SERVICE PANEL, DISTRIBUTION PANELS AND ALL OTHER NAMEPLATES LETTERING SHALL BE 1/4" HIGH.
- ALL SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, VFD'S, MOTORS, JUNCTION BOXES, PULL BOXES, DISCONNECT SWITCHES, ETC., SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES PER CEC 408.4, FIELD IDENTIFICATION REQUIRED. (B) SOURCE OF SUPPLY.
- COORDINATE EQUIPMENT LOCATIONS, CONTROL AND POWER WIRING REQUIREMENTS AND CONNECT POINTS WITH ALL APPLICABLE DISCIPLINES.
- PROVIDE AND INSTALL FUSES PER UNIT NAMEPLATE DATA ON THE EQUIPMENT PROVIDED.
- A LAMINATED COPY OF THE FINAL RECORD ONE LINE DIAGRAM SHALL BE PLACED IN ELEC ROOM.
- PROVIDE WRING DEVICES AND COVER PLATES IN COLOR(S) SELECTED BY ARCHITECT. THE COLOR OF THE WRING DEVICE AND COVER PLATE SHALL BE THE SAME UNLESS SPECIFICALLY NOTED OTHERWISE.
- RECEPTACLE WEATHERPROOF COVERS SHALL BE LISTED "EXTRA DUTY", LOCKABLE, METAL, IN-USE TYPE.
- REINSTALL EXISTING ELECTRICAL INSTALLATIONS DISTURBED. CERTAIN EXISTING ELECTRICAL INSTALLATIONS MAY BE LOCATED IN WALLS, CEILINGS OR FLOORS THAT ARE TO BE REMOVED AND ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS. WHERE THIS CONDITIONS OCCURS, PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS, RACEWAYS, EQUIPMENT AND OUTLETS TO RETAIN SERVICE CONTINUITY. INSTALLATIONS SHALL BE CONCEALED IN FINISHED AREAS.
- FOR ROOF PENETRATIONS, REFER TO ARCHITECTURAL PLANS FOR INSTALLATION REQUIREMENTS.
- FOR WALL PENETRATION INSTALLATIONS, REFER TO ARCHITECTURAL PLANS FOR REQUIREMENTS.
- PROVIDE "LOOK-ON" DEVICE FOR ALL CIRCUIT BREAKERS ON EMERGENCY DEDICATED CIRCUITS.
- DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. CONTRACTOR SHALL ACCEPT RESPONSIBILITY IN FAMILIARIZING THEMSELVES WITH ARCHITECTURAL AND STRUCTURAL CONDITIONS ALONG WITH INHERENT SPACE LIMITATIONS. WITH THAT UNDERSTANDING SHALL PROVIDE ALL ITEMS OF LABOR, MATERIALS AND TOOLS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
- MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN ANY CONDUIT AND (E) UTILITY CONDUIT.
- FOR INTERSECTING TRENCHED CONDUIT, MAINTAIN OR EXCEED THE MINIMUM CONDUIT DEPTH REQUIREMENTS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED AND BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL, THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

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

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

- MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____

SYMBOLS LIST

- FUSED DISCONNECT SWITCH
- DUPLEX CONVENIENCE OUTLET
- DOUBLE DUPLEX CONVENIENCE OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DOUBLE DUPLEX OUTLET
- SPECIAL OUTLET TO MATCH CAP PROVIDED WITH MACHINE
- FLUSH FLOOR BOX OR "POKE-THRU" UNIT EQUIPPED WITH FLUSH OR PEDESTAL DUPLEX RECEPTACLE AND VOICE/DATA OUTLETS AS NOTED OR REFER TO SCHEDULE ON DRAWINGS.
- PLUGMOLD/WIREMOLD RECEPTACLE SYSTEM
- TRANSFORMER
- JUNCTION BOX, SIZE AS REQUIRED BY CODE
- FLEX CONNECTION TO FIXTURE
- PANELBOARD, RECESSED MOUNTED
- PANELBOARD, SURFACE MOUNTED
- MAIN SWITCHBOARD
- TERMINAL CABINET, RECESSED MOUNTED
- TERMINAL CABINET, SURFACE MOUNTED
- HOMERUN TO PANELBOARD OR RESPECTIVE TERMINAL
- CONDUIT RUN CONCEALED IN CEILING OR WALL, SEE SYMBOLS LIST NOTES
- CONDUIT RUN UNDERGROUND OR UNDER FLOOR
- EMERGENCY SYSTEM CONDUIT AND WIRES
- INSULATED GREEN GROUND CONDUCTOR
- INSULATED ISOLATED GROUND CONDUCTOR, GREEN WITH TRACER STRIPE
- CONDUIT RISER
- EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED
- WIREMOLD SURFACE RACEWAY(S) WITH OUTLETS AS SHOWN OR NOTED, SEE SURFACE RACEWAY SCHEDULE
- SYMBOLS REFERRING TO KEYED NOTES ON SAME SHEET
- MECHANICAL EQUIPMENT BY OTHERS, CONNECTED BY ELECTRICAL CONTRACTOR
- DETAIL DESIGNATION, "A-1" SIGNIFIES DETAIL, "E-1" SIGNIFIES SHEET NUMBER
- (1)1-1/2" ← INDICATES SIZE OF CONDUIT = ONE AND ONE HALF INCH CONDUIT
- ← NUMBER WITHIN PARENTHESIS INDICATES QUANTITY OF CONDUITS

SYMBOLS LIST NOTES:

- MOUNT SWITCH BOXES AT +48" TO TOP OF BOX UNLESS OTHERWISE NOTED.
- MOUNT OUTLET BOXES AT +15" TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- "A" ADJACENT TO OUTLET INDICATES OUTLET BOX TO BE MOUNTED ABOVE COUNTER, COORDINATE WITH COUNTER HEIGHT AND DEPTH PRIOR TO ROUGH IN. MOUNT OUTLET ABOVE COUNTERS AT:
 - +45" MAX TO TOP OF BOX WHERE BOX IS INSTALLED OVER BASE CABINET.
 - +44" MAX TO TOP OF BOX WITH OPEN COUNTERS WITH FORWARD APPROACH.
- OUTLET BOXES SHALL BE:
 - WALL MOUNTED - 4" SQ. x 2-1/8" DEEP MINIMUM
 - CEILING MOUNTED - 4" SQ. OR 4" OCT. x 2-1/8" DEEP MINIMUM
- OUTLET BOXES REQUIRING 1-1/4", 1-1/2" OR 2" CONDUITS SHALL BE 4-11/16" x 3-1/4" DEEP MINIMUM.
- FLUSH MOUNTED OUTLET BOXES SHALL UTILIZE TRIM RINGS. COORDINATE TRIM RING DEPTH WITH WALL FINISH PRIOR TO ROUGH-IN.
- NO CROSSBARS ON CONDUIT RUN INDICATES MINIMUM 1" CONDUIT, TWO #10 CU CONDUCTORS PLUS #10 CU GND. CROSSBARS INDICATE NUMBER OF #10 CU CONDUCTORS IN CONDUIT. CONDUCTOR SIZES OTHER THAN #10 NOTED ON DRAWINGS. INCREASE CONDUIT SIZE AS REQUIRED TO ACCOMMODATE C.E.C. WIRE FILL REQUIREMENTS. INCLUDE ADDITIONAL BOND WIRE IN ALL PVC AND FLEXIBLE CONDUIT. LONG CROSSBAR INDICATES NEUTRAL CONDUCTOR, SHORT CROSSBARS INDICATE PHASE CONDUCTORS.
- INCREASE BRANCH CIRCUIT CU CONDUCTOR SIZES AS REQUIRED BY THE 120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART BELOW. USE CONDUCTOR LENGTHS AS FIELD MEASURED, BASED UPON MEASURED FIELD ROUTING LENGTHS. INCREASE MINIMUM CONDUIT SIZE AS REQUIRED TO ACCOMMODATE A MAXIMUM 40% CONDUCTOR FILL OF THE BRANCH CIRCUIT CONDUCTORS. WHERE NECESSARY, PROVIDE A JUNCTION BOX AT ACCESSIBLE CEILING SPACE, TO CONVERT THE LAST 15 FEET OF CONDUCTORS TO #10 AWG TO ACCOMMODATE TERMINATION OF CONDUCTORS AT WIRING DEVICES, LIGHTING FIXTURES, CIRCUIT BREAKER, ETC.
- INSTALL CU GROUND CONDUCTOR IN ALL BRANCH CIRCUITS FOR LIGHT FIXTURES AND POWER DEVICES.

120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART

LOAD IN VOLT AMPERES	LENGTH OF CONDUCTOR WIRE SIZE IN (GAUGE)			
	#12	#10	#8	#6
1200VA	74	121	183	284
1560VA	57	93	141	218
1800VA	49	81	122	189
1920VA	46	76	115	178
2340VA	X	62	94	146
2880VA	X	51	76	118
3000VA	X	48	73	114
3900VA	X	X	56	87
4800VA	X	X	46	71

- NOTES
- THIS CHART IS FOR COPPER CONDUCTORS ONLY.
 - THIS CHART ASSUMES AN 80% POWER FACTOR AND STEEL RACEWAYS.
 - 2019 CALIFORNIA ENERGY CODE, 130.5(c) ALLOWS A MAXIMUM COMBINED VOLTAGE DROP OF 5%. THIS CHART ASSUMES A MAXIMUM DROP OF 3% FOR FEEDERS. THIS CHART PROVIDES THE MAXIMUM LENGTH OF CONDUCTORS FOR LESS THAN 2% VOLTAGE DROP ON A BRANCH CIRCUIT AT GIVEN VA LOAD.
 - USE WIRE SIZE FROM THIS CHART UNLESS LARGER CONDUCTOR SIZES ARE NOTED ON THE DRAWINGS.
 - FOR VA VALUES NOT SHOWN USE NEXT HIGHEST VALUE FROM THE CHART

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REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
17247
Exp. 6/30/22
STATE OF CALIFORNIA
PLOT DATE: 4/13/2022

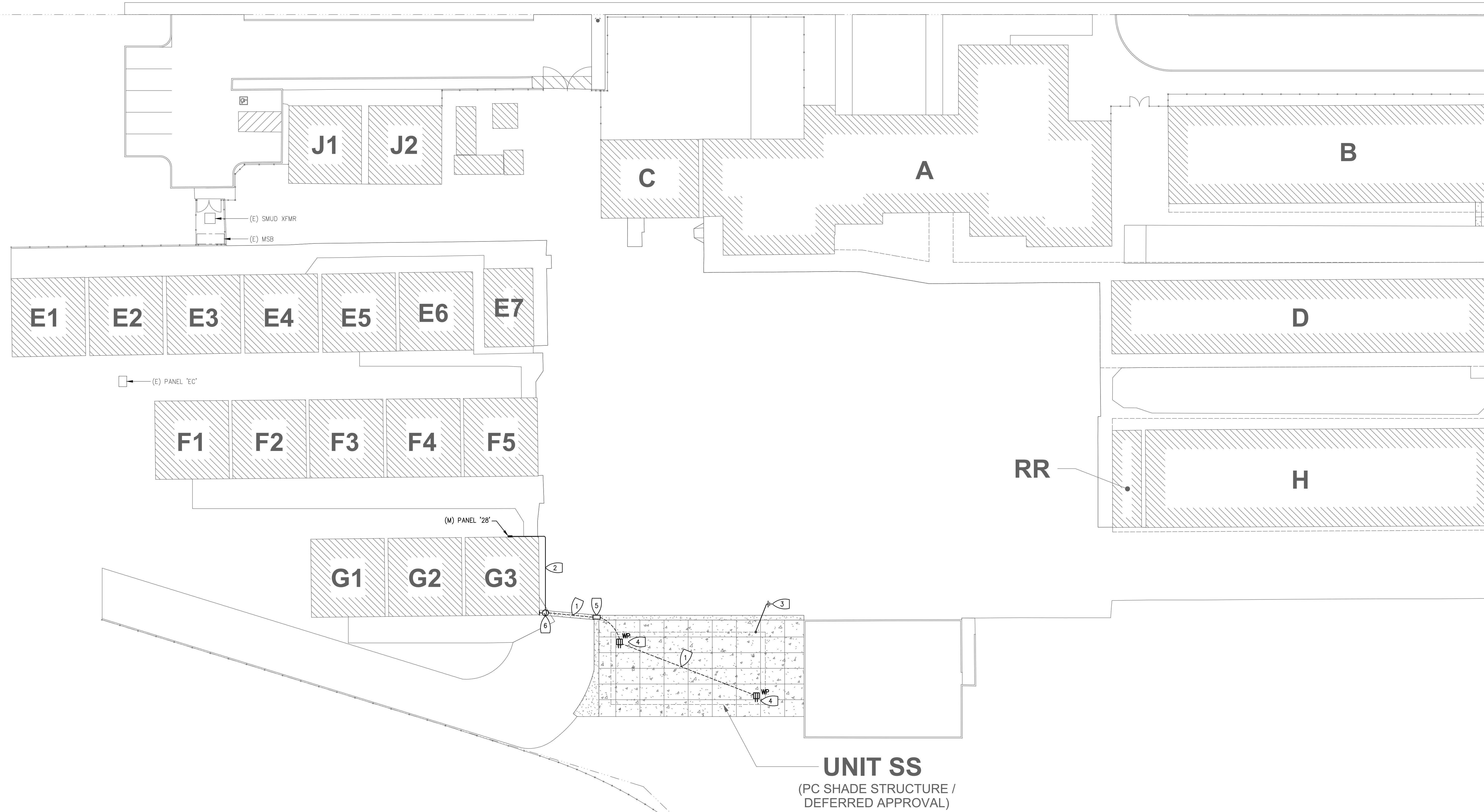
SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

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SYMBOLS, NOTES

LEMON HILL AVE.

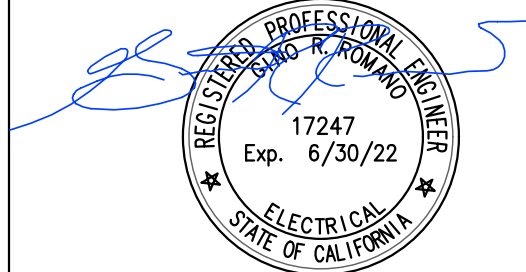
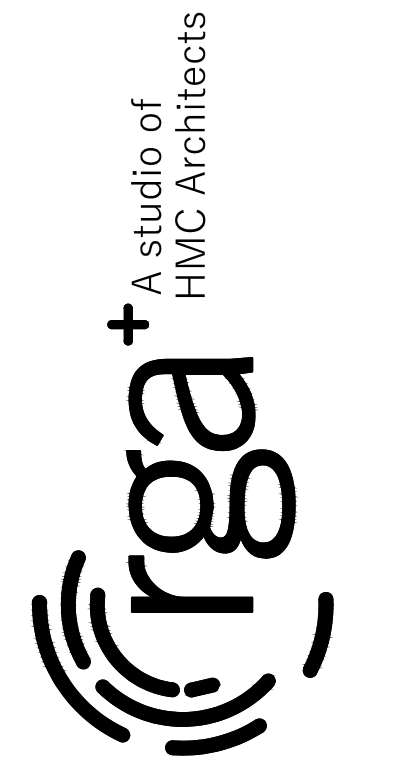
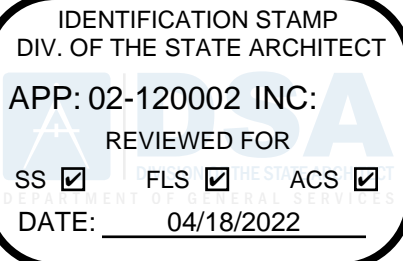


SHEET NOTES:

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY. SEE ONE LINE DIAGRAM AND PANEL SCHEDULE ON SHEET **E2.1** FOR REFERENCE.

KEYED NOTES:

1. PROVIDE TRENCH FOR 24 INCH MINIMUM COVER. LOCATE AND PROTECT (E) UTILITIES, I.E. IRRIGATION, SEWER, DRAINAGE PIPES, ETC. SAW CUT AND PATCH BACK (E) CONCRETE/ASPHALT. PROVIDE SAND TO COVER CONDUIT TO SIX(6) INCHES, THEN ADD TRACER TAPE. COMPLETE BACKFILL TO GRADE WITH NATIVE SOIL. COMPACT IN SIX(6) LIFTS. FINISH TO MATCH EXISTING. SEE DETAIL **3/E3.1**.
2. RUN CONDUIT HIGH ON WALL TO WRAP AROUND BUILDING, AND DROP CONDUIT TO BELOW CONCRETE/ASPHALT. TRENCH TO SHADE LOCATION, INTERCEPTING THE CHRISTY BOX ALONG THE WAY. PAINT EXPOSED CONDUIT TO MATCH (E) FINISH.
3. PROVIDE AT MINIMUM TWO(2) GROUND RODS, EACH 5/8" BY TEN(10) FEET LONG, CU, AT LEAST TEN(10) FEET APART. BOND TO METAL OF SHADE STRUCTURE. SEE DETAIL **5/E3.1**.
4. LOCKABLE, WEATHERPROOF RECEPTACLE TO HAVE A TWO-GANG BACK BOX WITH 1" THREADED PORT(S). MOUNT RECEPTACLES 36" ABOVE GRADE UNLESS SPECIFIED OTHERWISE. SEE DETAIL **4/E3.1**.
5. PROVIDE CHRISTY B1324 PULL BOX WITHIN FIVE(5) FT OF SHADE STRUCTURE. CHRISTY BOX TO HAVE HOLD DOWN BOLTS AND BE LABELED FOR POWER. SEE DETAIL **2/E3.1**.
6. PROVIDE J-BOX HIGH ON WALL. PAINT TO MATCH (E) FINISH.



PLOT DATE: 4/13/2022

SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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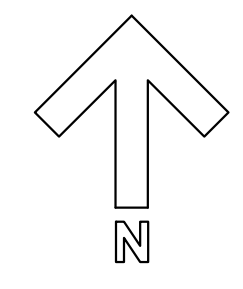
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SITE PLAN - ELECTRICAL

PROJECT NO. 1504.12
DATE: 3/21/2022
SHEET

E1.1

1 SITE PLAN - ELECTRICAL
SCALE: 1"=20'



MODIFIED

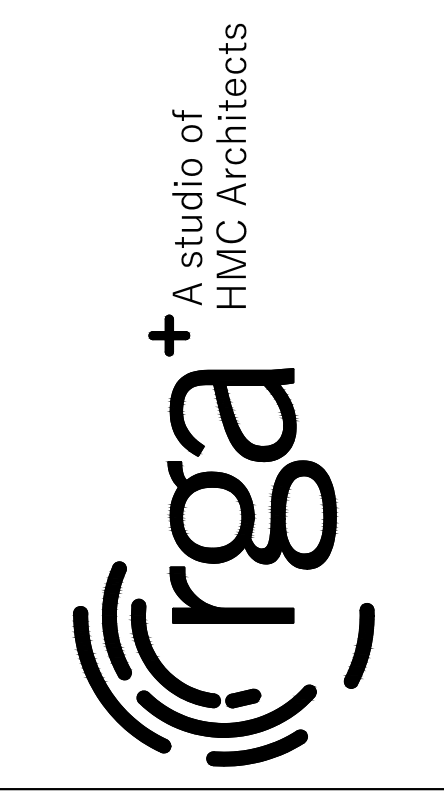
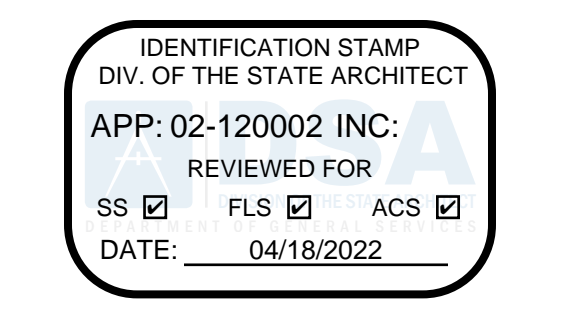
PANEL:	MANF:	WESTINGHOUSE	MAIN:	100/2	SERVICE:	120 /208	VOLT:	10K	A/C	100%	NEUT.
28	TYPE:	LOAD CENTER	BUS:	100 AMP	FEEDER RATING:	125 AMP	1 Ø, 3W	ENCLOSURE:	WIDTH: 14"	DEPTH: 4.25"	
AØ	BØ	DIRECTORY		BRKR	CKT	CKT	BRKR	DIRECTORY		AØ	BØ
		MAIN		100/2	1	2		DO NOT REMOVE THIS K.O.			
		"		-	3	4		"			
1000		PHOTO CELLS		20/1	5	6	20/1	RECEPTS		1200	1200
		A LIGHT		20/1	7	8	20/1	RECEPTS			
		B LIGHT		20/1	9	10	20/1	RECEPTS		1200	
360		RECEPTS - SHADE STRUCT. [S]		20/1	11	12	PFB	SPACE		4160	
		SPACE		PFB	13	14	60/2	H/A			
		SPACE		PFB	15	16	-	"		4160	4160
		NEW LOAD		DEMAND READING		PEAK DEMAND @ 125% + (N) LOAD		TOTAL DEMAND			
		TOTAL PANEL VA	AMPS	AMPS	@125%	AMPS	VA	LOAD			
AØ =		7560 VA	63.0	9.5	11.9	74.9 A	8985 VA	15275 VA			
BØ =		5720 VA	47.7	3.8	4.8	52.4 A	6290 VA	74.9 AMPS			

NOTES:

- FEEDER CONDUCTORS CONSIST OF 3Ø1 + 1Ø6 GND CU
- BRANCH BREAKERS ARE WESTINGHOUSE TYPE BR
- PROVIDE TYPE-WRITTEN PANEL DIRECTORY
- ALL NEW BREAKERS TO MATCH EXISTING TYPES
- PROVIDE NEW 20 AMP, SINGLE-POLE BREAKER.

SHEET NOTES:
 1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.

KEYED NOTES:
 1. MODIFIED PANEL SERVES EQUIPMENT BEING ADDED IN THIS PROJECT. SEE PANEL SCHEDULE ON THIS SHEET FOR REFERENCE.

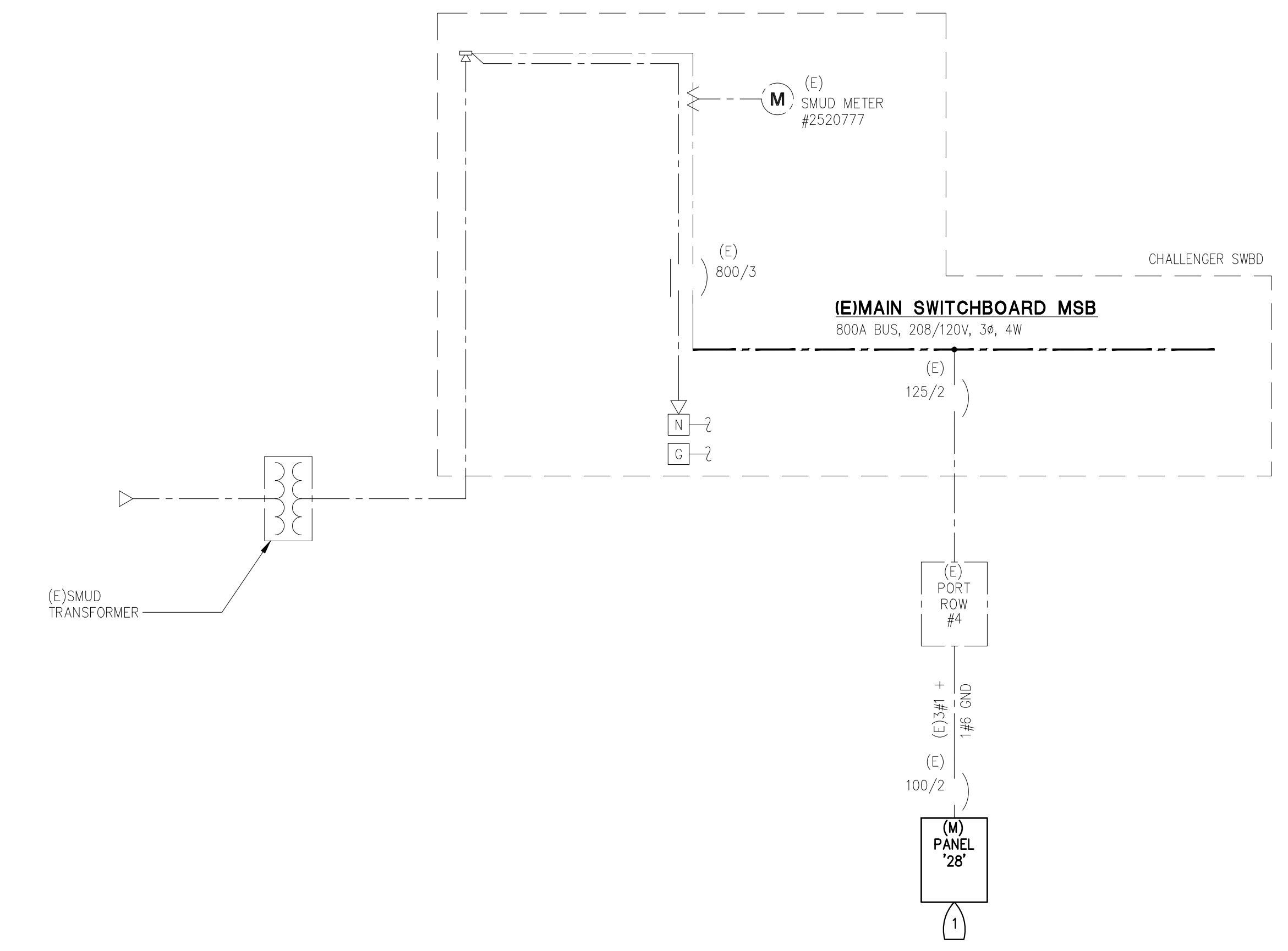


Voltage Drop Calculations Copper

Job Name: Elder Creek Elementary School - Shade Structure Job #: 22.020
 Date: 3/10/2022

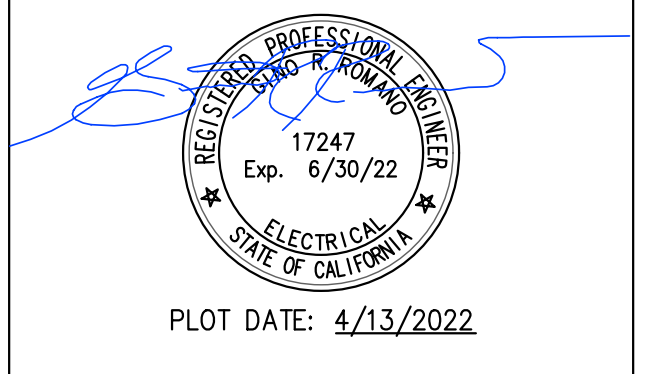
VOLTAGE: 120 PHASE: 1 POWER FACTOR: 80% CONDUIT: Steel

FEEDER NUMBER	AMPS AT LOAD	KVA TOTAL	VOLTS AT LOAD	DISTANCE FEET	DISTANCE TOTAL	WIRES/PHASE	LOAD/WIRE	WIRE SIZE	WIRE FACTOR	VOLTS DROP	PERCENT VOLT DROP
RECEPT-1	3.0	0.4	119.29	119	119	1	3.00	10	1995	0.71	0.59%
RECEPT-2	1.5	0.2	119.10	62	181	1	1.50	10	1995	0.90	0.75%



1 ONE LINE DIAGRAM
 SCALE: NONE

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SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL

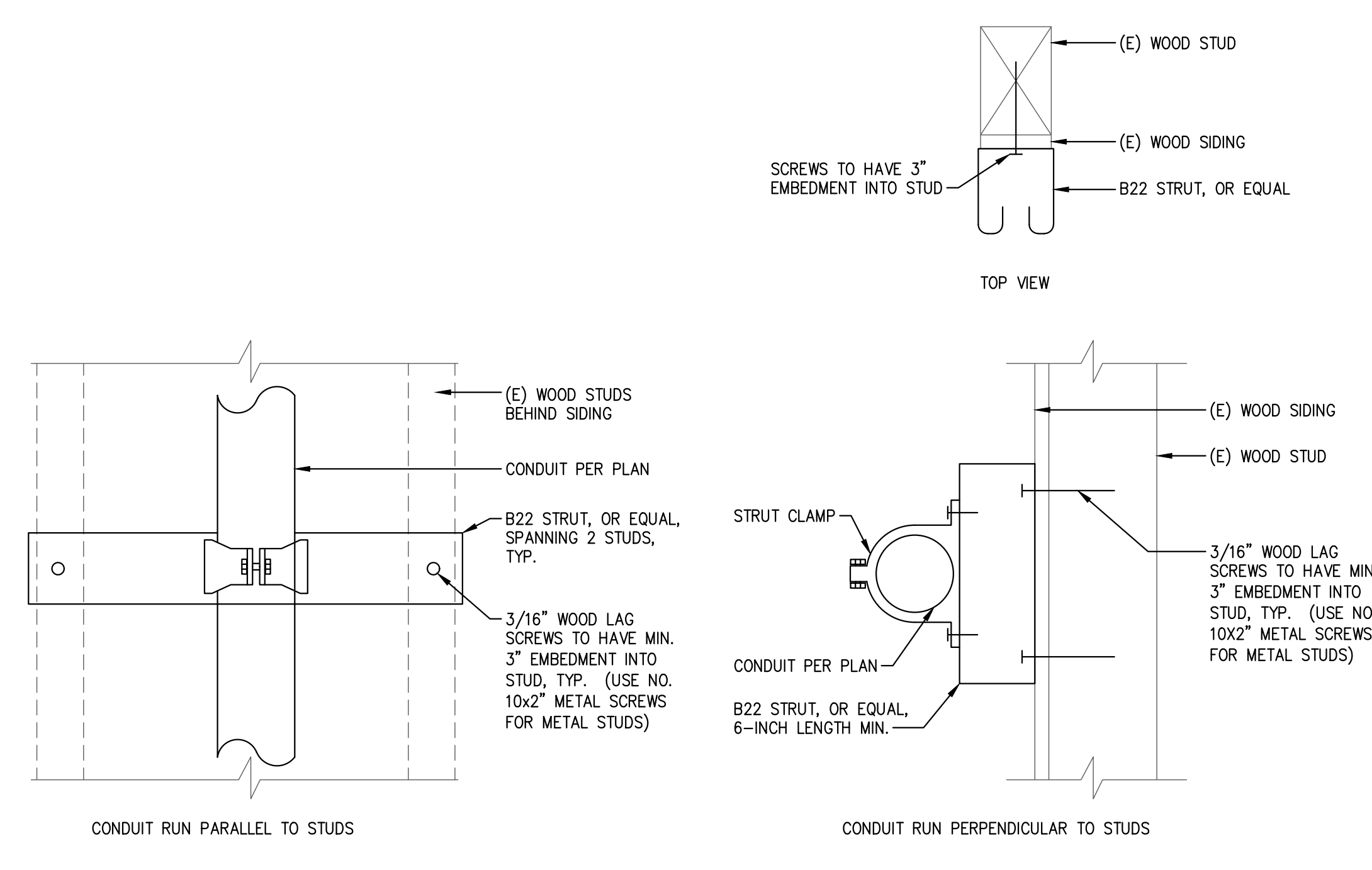
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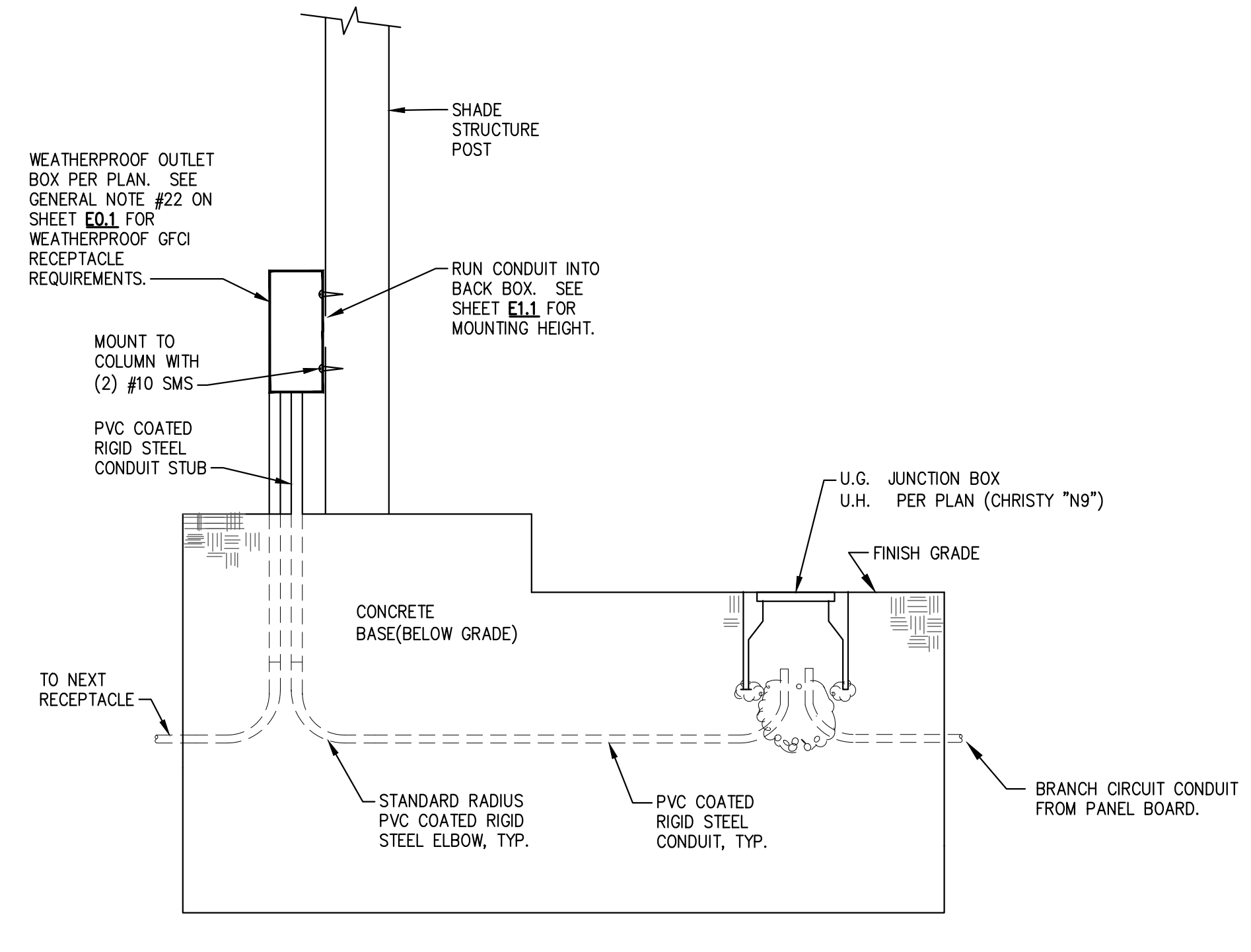
ONE LINE DIAGRAM

PROJECT NO. 1504.12
 DATE: 3/21/2022
 SHEET **E2.1**

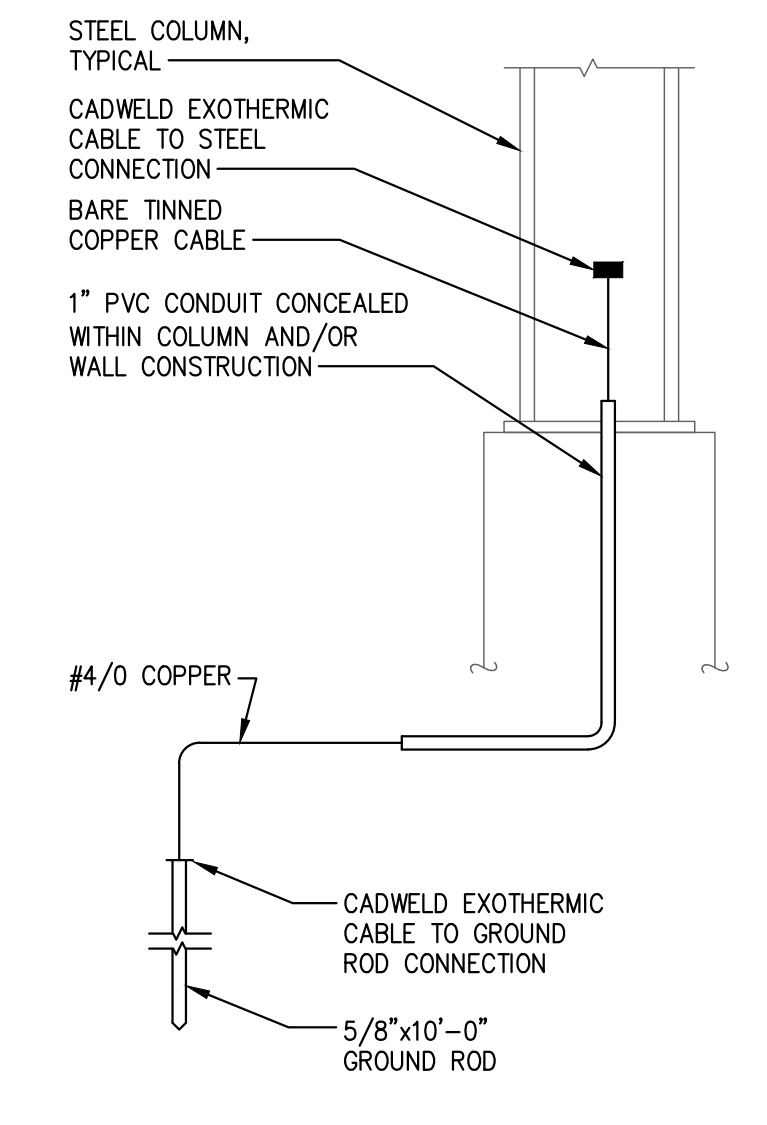


- NOTES:
- CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING TEN(10) FEET AND NOT MORE THAN THREE(3) FEET FROM THE OUTLET AND AT ANY POINT WHERE IT CHANGES DIRECTION.
 - PERFORATED STRAP AND PLUMBER'S TAPE SHALL NOT BE PERMITTED.
 - MAXIMUM CONDUIT AND CONDUCTOR WEIGHT IS 1.83LBS PER LINEAR FOOT.

7 CONDUIT MOUNTING DETAIL - STUD WALLS
 SCALE: NONE

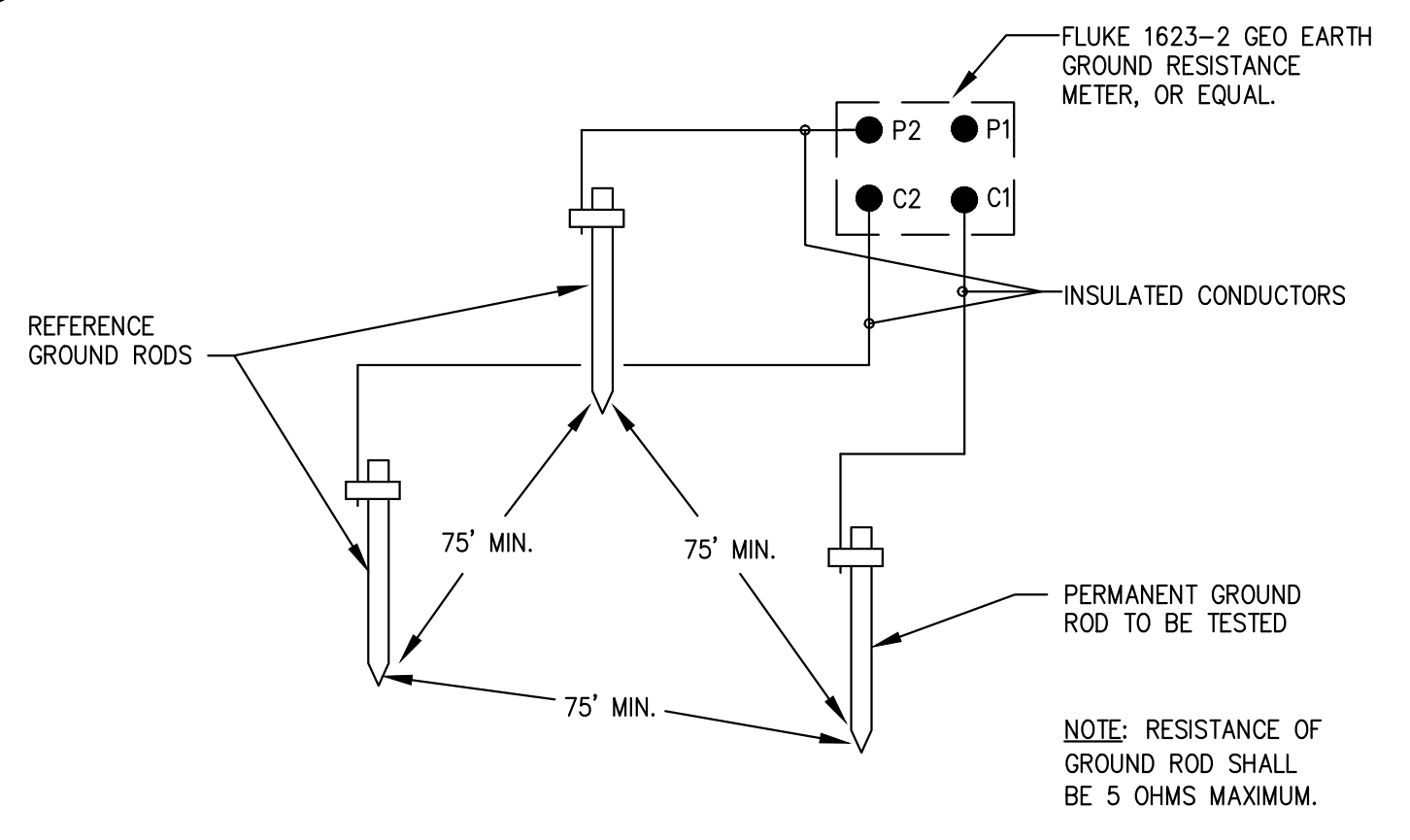


4 CONDUIT STUB IN POST DETAIL
 SCALE: NONE



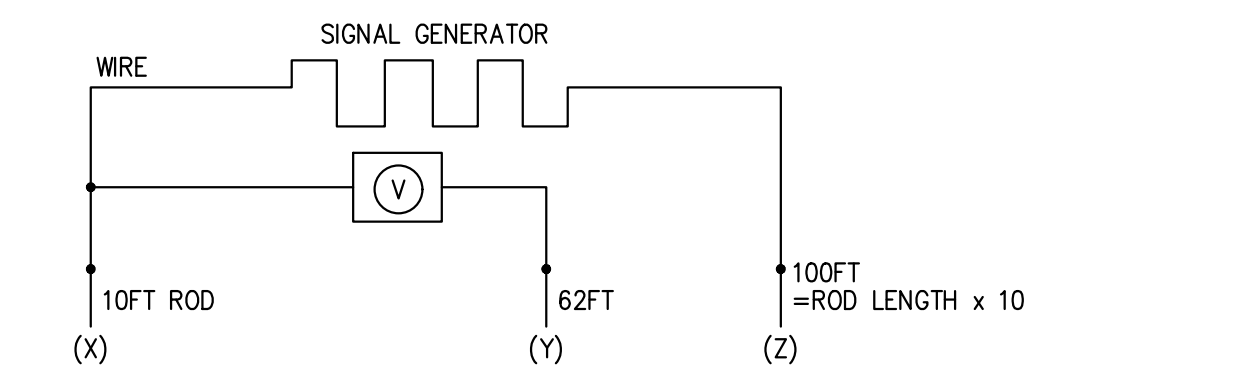
- NOTES:
- ALL GROUNDING CONNECTIONS SHALL BE IN CONFORMANCE WITH N.E.C. ARTICLE 250.
 - FOR ALL ADDITIONAL REQUIREMENTS REFER TO SPEC SECTIONS 26 05 10.

5 TYPICAL STEEL COLUMN & REBAR GROUNDING DETAIL
 SCALE: NONE



- FALL OF POTENTIAL TEST METHOD NOTES:
- POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500KVA OR LESS: 10 OHMS.
 - POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500 TO 1000KVA: 5 OHMS.
 - POWER EQUIPMENT OR SYSTEMS WITH CAPACITY GREATER THAN 1000KVA: 3 OHMS.
 - POWER DISTRIBUTION UNITS OR PANELBOARDS SERVING ELECTRONIC I.T. EQUIPMENT: 3 OHMS.
 - MAN-HOLE GROUNDS: 10 OHMS.

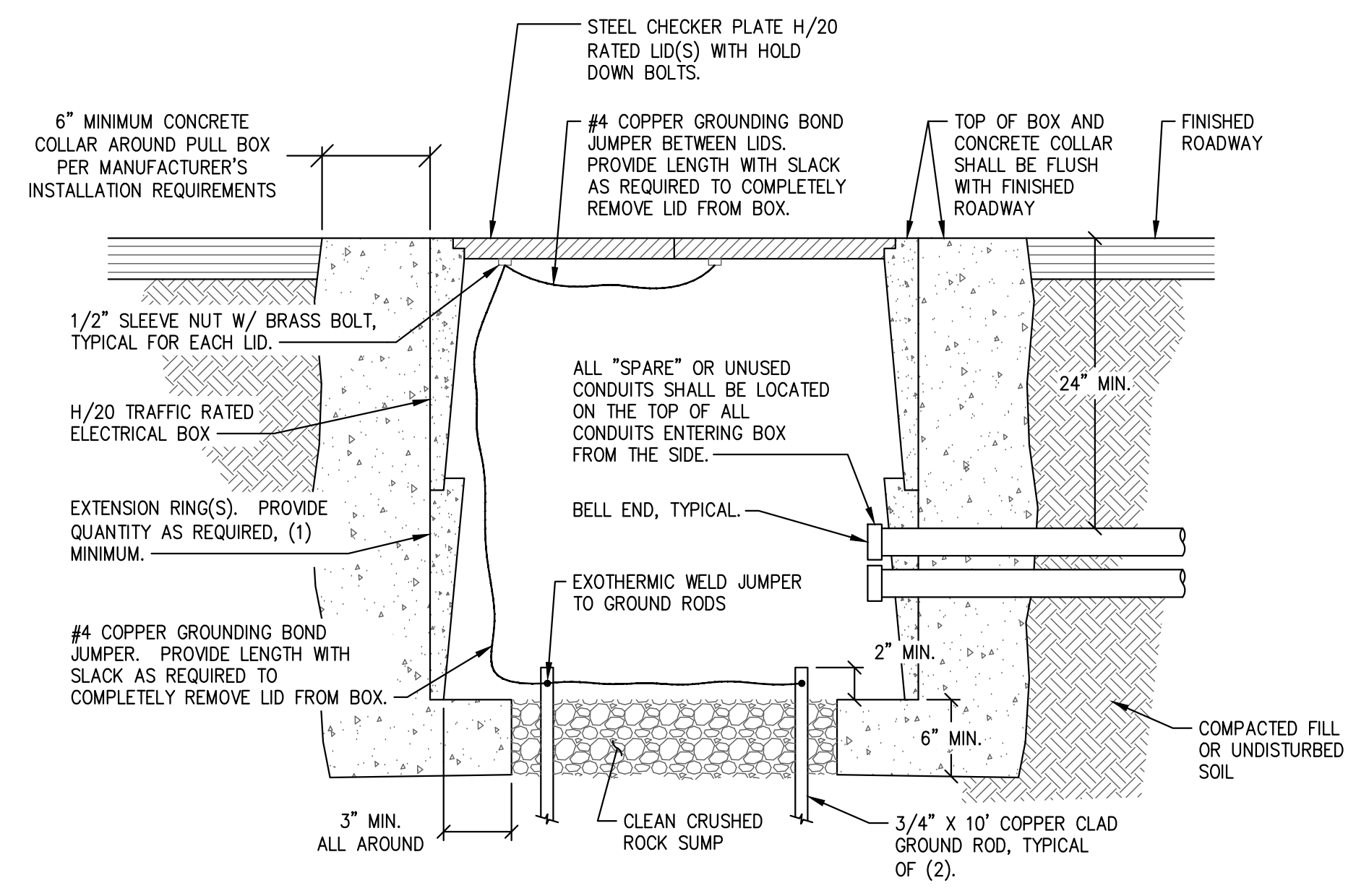
FALL OF POTENTIAL 3-POINT TEST: GROUND RING, I.E. 10 BY 10 RING, 14" DIAGONAL LENGTH ISOLATION FROM UTILITY NEUTRAL PROBE Z IS DRIVEN A DISTANCE OF 10 TIMES DIAGONAL LENGTH OF THE GROUNDING ROD SYSTEM (ROD X). A SECOND PROBE (Y) IS PLACED IN LINE AT A DISTANCE FROM ROD X EQUAL TO THE DIAGONAL LENGTH OF THE GROUNDING SYSTEM.



AT THIS POINT, A KNOWN CURRENT IS APPLIED ACROSS X & Z, WHILE THE RESULTING VOLTAGE IS MEASURED ACROSS X & Y. OHMS LAW APPLIED R=V/I. THEN (Y) MOVED TO 2 TIMES THE DIAGONAL LENGTH, THEN MOVE OUT TO 3 TIMES(3X), 4X, ... 9X THE DIAGONAL LENGTH TO COMPLETE THE 3 POINT TEST WITH A TOTAL OF NINE RESISTANCE MEASUREMENTS.

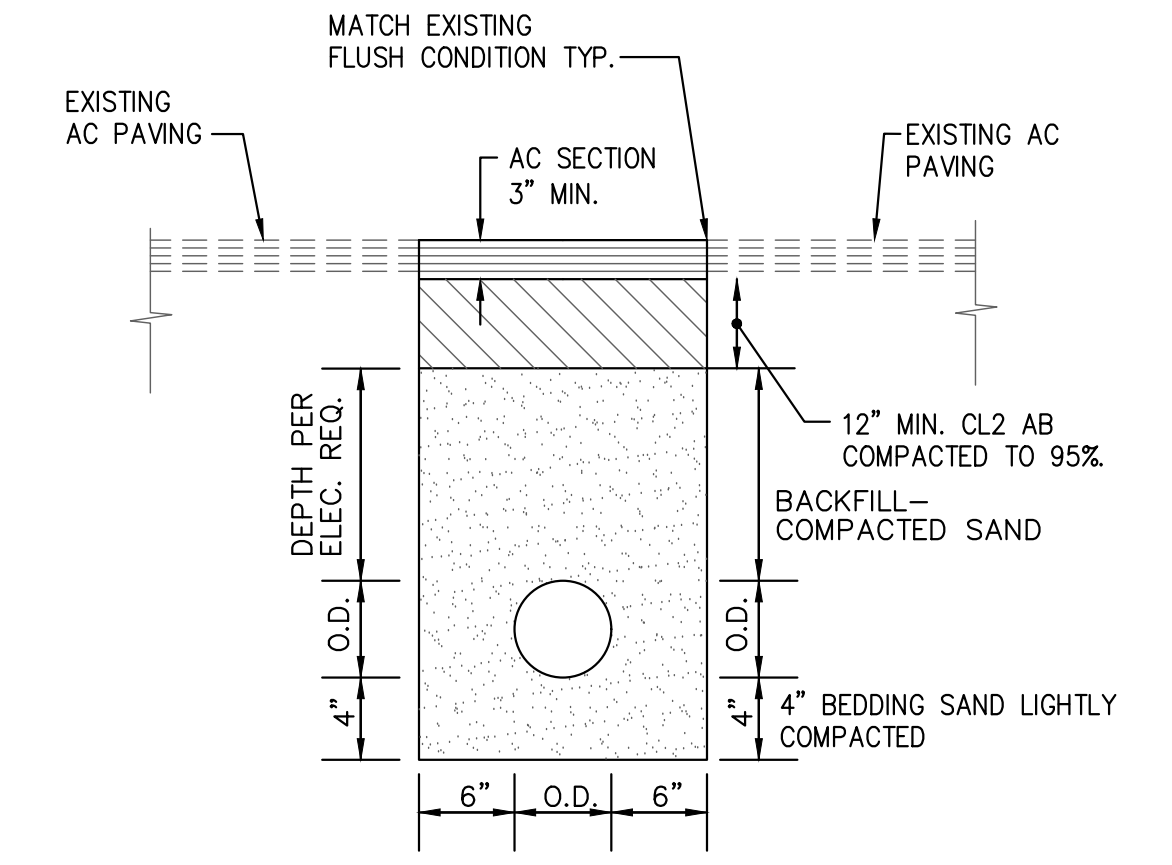
6 METHOD OF TESTING GROUND RODS DETAIL
 SCALE: NONE

1 DETAIL REMOVED
 SCALE: NONE



- NOTES:
- PROVIDE H/20 TRAFFIC RATED BOXES IN ALL LOCATIONS WITH VEHICLE TRAFFIC
 - CONTRACTOR SHALL PROVIDE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR H/20 TRAFFIC RATING REQUIREMENTS AS PART OF THE SUBMITTALS.

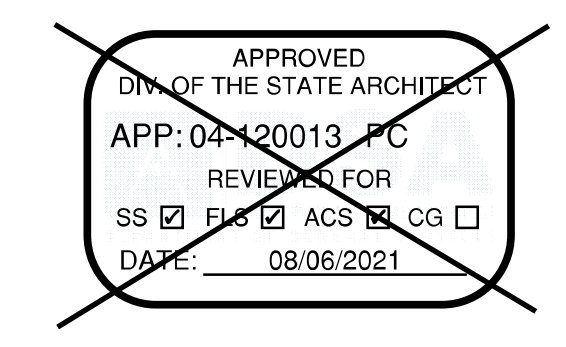
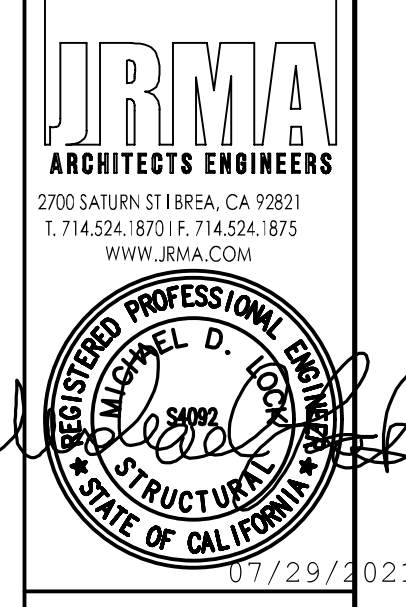
2 TYPICAL H/20 TRAFFIC RATED PULL BOX
 SCALE: NONE



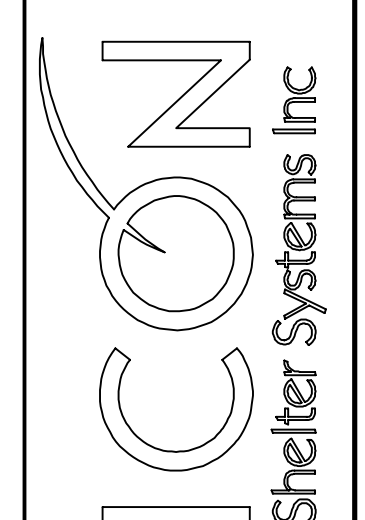
3 TYPICAL TRENCH DETAIL
 SCALE: NONE



ICON STD: R1/DSA-PC
DRAWN BY: ANGEL
DATE: 4/2/2021
REV:
REV DATE:



GENERAL INFO



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PRINTED ON:

SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Revision

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GENERAL INFO

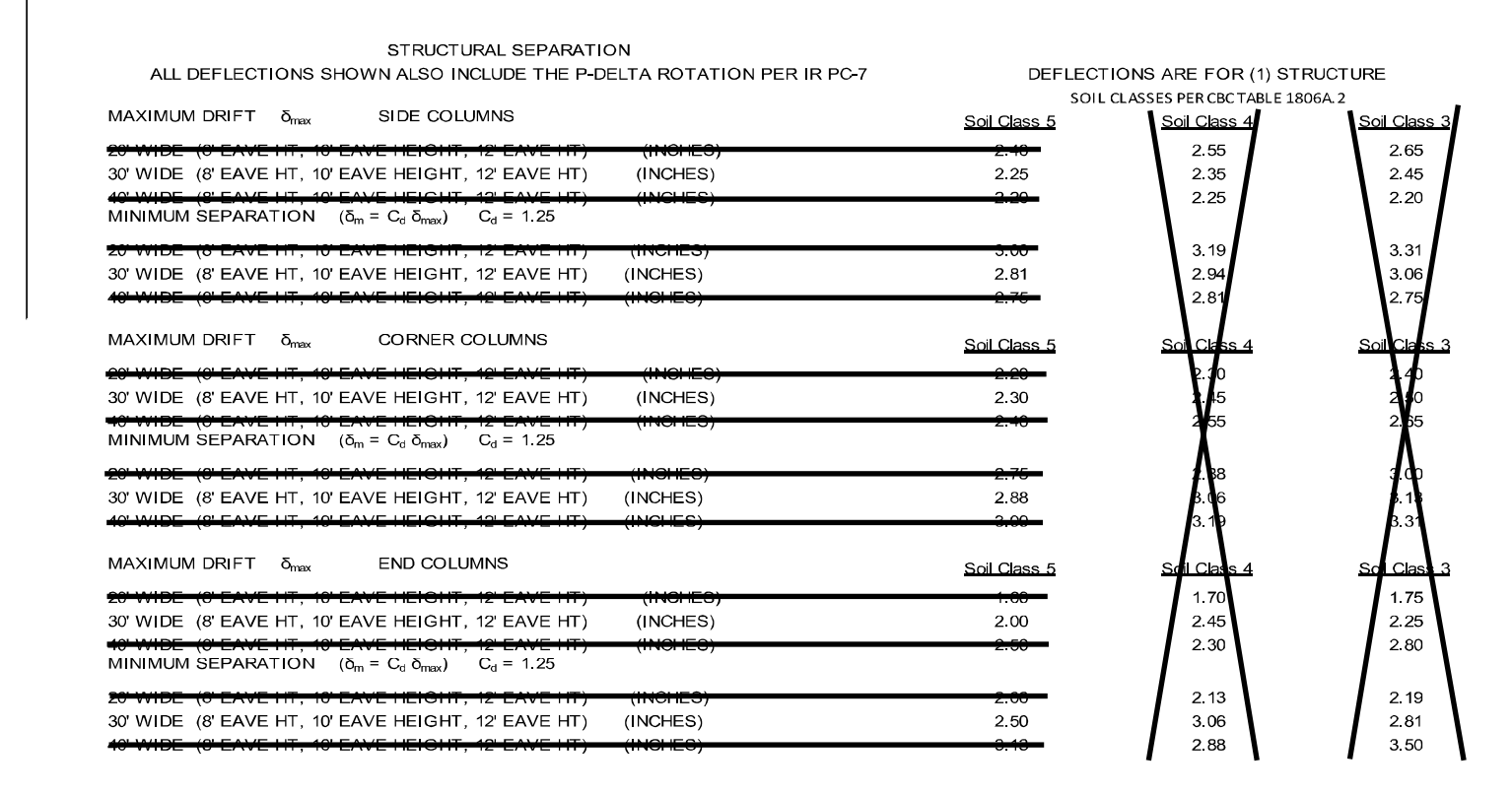
PROJECT NO: 1504.12
DATE: 3/22/2022
SHEET: LS1.0

DESIGN CRITERIA table with columns: DESCRIPTION, DESIGN VALUES. Includes sections for DEAD AND LIVE LOADS, WIND DESIGN, SEISMIC DESIGN, and FLOOD DESIGN.

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...

WELDING:
1. ALL WELDING SHALL COMPLY WITH AWS D11.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.

REINFORCING STEEL:
1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS:
GR 60: (#4 BARS AND LARGER)
GR 40: (#3 BARS)



STRUCTURAL AND MISCELLANEOUS STEEL:
1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.

Table with columns: STRENGTH Pz (28 DAYS), W/C RATIO (NON-AIR ENTRAINED), W/C RATIO (AIR ENTRAINED), SLUMP (in), UNIT WEIGHT (NORMAL WEIGHT). Includes concrete mix design parameters.

ARCHITECTURAL REQUIREMENTS table with columns: DESCRIPTION, DESIGN VALUES. Includes occupancy classification, fire sprinkler system, etc.

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

Table for STEP 1: IDENTIFY PROJECT NAME AND SCHOOL DISTRICT. Includes fields for PROJECT NAME and SCHOOL DISTRICT.

RELATED BUILDING CODES AND STANDARDS table listing various codes like 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), 2019 CALIFORNIA BUILDING CODE (CBC), etc.

Table for STEP 2: SELECT FRAME DIMENSIONS FOR YOUR PROJECT. Includes columns for FRAME WIDTH, FRAME LENGTH, and suggested/other options.

Table for STEP 3: IDENTIFY THE Ss REGION FOR YOUR PROJECT. Includes columns for Ss REGION, Ss REGIONS, and MAX DEAD LOAD.

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 COMPOSED OF HOLLOW STRUCTURAL STEEL MEMBERS SUPPORTED BY CONCRETE FOUNDATIONS.

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY
1. PER TITLE 24, PART 1, SECTION 4-316(e) OF THE CALIFORNIA CODE OF REGULATIONS, THIS NOTICE SHALL BE GIVEN TO DSA PRIOR TO THE APPROVAL OF PLANS AND SPECIFICATIONS.

Table for STEP 4: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT. Includes columns for DESCRIPTION, Ss REGION, and MAX DEAD LOAD.

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

CONSTRUCTION NOTES
1. A DSA-CERTIFIED CLASS 3 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.

Table for STEP 5: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT. Includes columns for BASE FRAME, ROOF PANEL TYPE, and SHEET INDEX.

Table for STEP 6: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT. Includes columns for BASE FRAME, ROOF PANEL TYPE, and SHEET INDEX.

Table for STEP 7: MISCELLANEOUS DESIGN OPTIONS. Includes columns for CLEAR HEIGHT, ELECTRICAL CUTOUTS, GUTTERS, and design options.

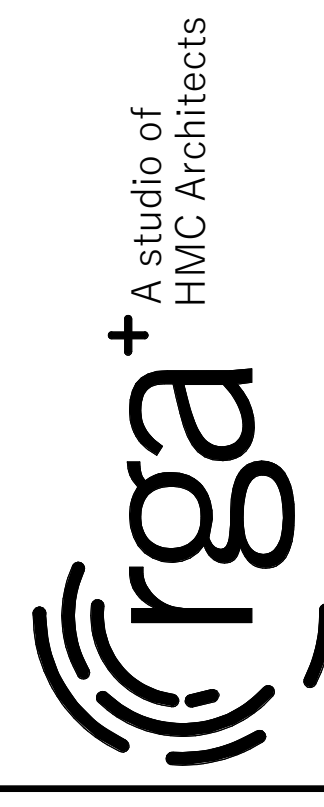
Table for STEP 8: SHEET INDEX. Includes columns for BASE FRAME, ROOF PANEL TYPE, and SHEET INDEX.

Table for STEP 9: DESIGN CRITERIA FOR 7934 LEMON HILL AVENUE, SACRAMENTO, CA 95824. Includes columns for DESCRIPTION and DESIGN VALUES.

Table for STEP 10: DESIGN CRITERIA FOR 7934 LEMON HILL AVENUE, SACRAMENTO, CA 95824. Includes columns for DESCRIPTION and DESIGN VALUES.

Table for STEP 11: DESIGN CRITERIA FOR 7934 LEMON HILL AVENUE, SACRAMENTO, CA 95824. Includes columns for DESCRIPTION and DESIGN VALUES.

Table for STEP 12: DESIGN CRITERIA FOR 7934 LEMON HILL AVENUE, SACRAMENTO, CA 95824. Includes columns for DESCRIPTION and DESIGN VALUES.



ICON STD: RH/DSA-PC
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DATE: 4/2/2021
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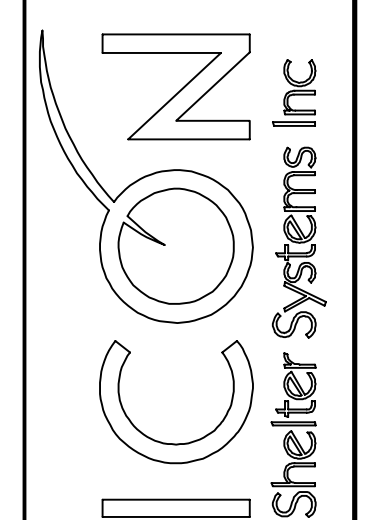


07/29/2021

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120013-PC
REVIEWED FOR
SS □ PS □ ACS □ CG □
DATE: 08/06/2021

SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

DSA 103



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

PRINTED ON:

PROJECT NO. 1504.12
DATE: 3/22/2022
SHEET

LS1.1

~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~2019 CBC~~
IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. This appendix is the bottom of this form identifying work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form, such as structural steel framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc. (per Title 24, Part 2, Chapter 17A (2019 CBC)).

~~KEY TO COLUMNS~~
1. TYPE
Continues - Indicates that a continuous special inspection is required.
Periodic - Indicates that a periodic special inspection is required.
Test - Indicates that a test is required.
PERFORMED BY
GE - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
LOR - Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. (See C.C. Section 4-135.)
PI - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
SI - Indicates that the special inspection shall be performed by an appropriately qualified approved special inspector.

~~DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 1 of 11~~

~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~Geotechnical Reports: Project's geotechnical report, or CDs indicate soils special inspection is required by GE~~

~~1. GENERAL: Table 1705A.6
Test or Special Inspection Type Performed By Code References and Notes
a. Verify that:
- Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations.
- Foundation excavations are extended to proper depth and have reached proper material.
- Materials below footings are adequate to achieve the design bearing capacity.
2. SOIL COMPACTION AND FILL: Table 1705A.6
Test or Special Inspection Type Performed By Code References and Notes
a. Perform classification and testing of fill materials.
b. Verify use of proper materials, densities, and moisture content. (See Appendix for compaction during placement of fill.)~~

~~DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 2 of 11~~

~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~c. Compaction testing. Test LOR
*Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or CDRE engineering manager. In such cases, the CDRE from DSA 291 shall satisfy the test reporting requirements for the exempt items.)~~

~~4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): Table 1705A.8
Test or Special Inspection Type Performed By Code References and Notes
a. Inspect drilling operations and maintain complete and accurate records for each pier.
b. Verify pier locations, diameters, plumbness, ball diameters (if applicable), lengths and embedment into bedrock (if applicable), record concrete or grout volumes.
c. Confirm adequate end stress bearing capacity.
d. Concrete piers.~~

~~DSG DSA 103-19 (Revised 07/16/2020)
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~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~5. RETAINING WALLS: Table 1705A.6.1
Test or Special Inspection Type Performed By Code References and Notes
a. Placement, compaction and inspection of backfill.
b. Placement of soil reinforcement and/or drainage devices.
c. Segmental retaining walls, inspection of placement of walls, dowels, connectors, etc.
d. Concrete retaining walls.
e. Masonry retaining walls.~~

~~6. OTHER SOIL: Table 1705A.6.1
Test or Special Inspection Type Performed By Code References and Notes
a. Soil Improvements
b. Inspection of Soil Improvements
c.~~

~~DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 4 of 11~~

~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~7. CAST-IN-PLACE CONCRETE: Table 1705A.2
Test or Special Inspection Type Performed By Code References and Notes
a. Verify use of required design mix.
b. Identify, sample, and test reinforcing steel.
c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.
d. Test concrete (C').~~

~~8. HIGH-STRENGTH BOLTS: RCSC 2
Material Verification and Testing of High-Strength Bolts and Washers.
Test or Special Inspection Type Performed By Code References and Notes
a. Verify identification markings and the factor's coefficients of compliance conform to ASTM standards specified in the DSA approved documents.~~

~~DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
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~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~17. STRUCTURAL STEEL: COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSE: Table 1705A.3
Material Verification and Testing of High-Strength Bolt Installations.
Test or Special Inspection Type Performed By Code References and Notes
a. Verify high-strength bolts and washers.
b. Inspect high-strength bolt installations.
c. Bearing-type ("snug tight") connections.
d. Pre-tensioned and slip-critical connections.~~

~~18. WELDS: Table 1705A.2, Table 1705A.2.1, Items 8 & 9, AWS D1.1 and AWS D1.5 for structural steel, AWS D1.2 for Aluminum, and AWS D1.3 for cold-formed steel. AWS D1.4 for reinforcing steel. AWS D1.7, 3 (See Appendix for exemptions).
Verification of Materials, Equipment, Welders, etc.:
Test or Special Inspection Type Performed By Code References and Notes
a. Verify weld filter material identification markings and AWS designation listed on the DSA-approved documents and the WPS.
b. Verify welder filter material manufacturer's certificate of compliance.
c. Verify WPS, welder qualifications and equipment.~~

~~DSG DSA 103-19 (Revised 07/16/2020)
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~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~19. SHOP WELDING: Table 1705A.3
Test or Special Inspection Type Performed By Code References and Notes
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 3/16" deep and flat welds.
b. Inspect single-pass fillet welds > 5/16" floor and roof deck welds.
c. Inspect welding of stairs and railing systems.
d. Verification of reinforcing steel weldability other than ASTM A706.
e. Inspect welding of reinforcing steel.~~

~~23. ANCHOR BOLTS AND ANCHOR RODS: Table 1705A.2
Test or Special Inspection Type Performed By Code References and Notes
a. Anchor Bolts and Anchor Rods
b. Threaded rod not used for foundation anchorage.~~

~~DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
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~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~23. ANCHOR BOLTS AND ANCHOR RODS: Table 1705A.2
Test or Special Inspection Type Performed By Code References and Notes
a. Anchor Bolts and Anchor Rods
b. Threaded rod not used for foundation anchorage.~~

~~DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
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~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SIGNATURE), 2019 CBC~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~Name of Architect or Engineer in general contract language
Name of Structural Engineer (When structural design has been submitted)
Signature of Architect or Structural Engineer: Date
Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.~~

~~DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 10 of 11~~

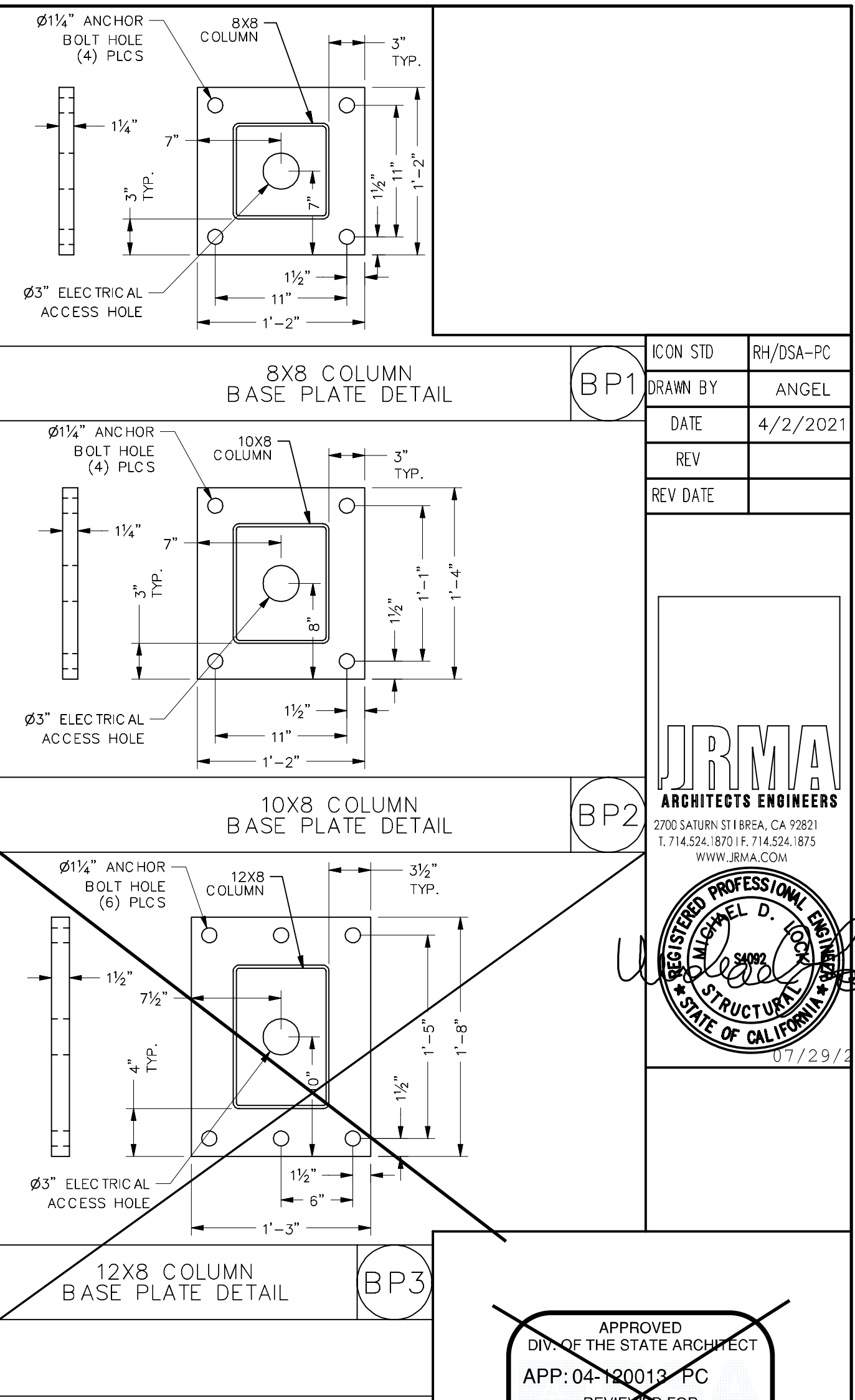
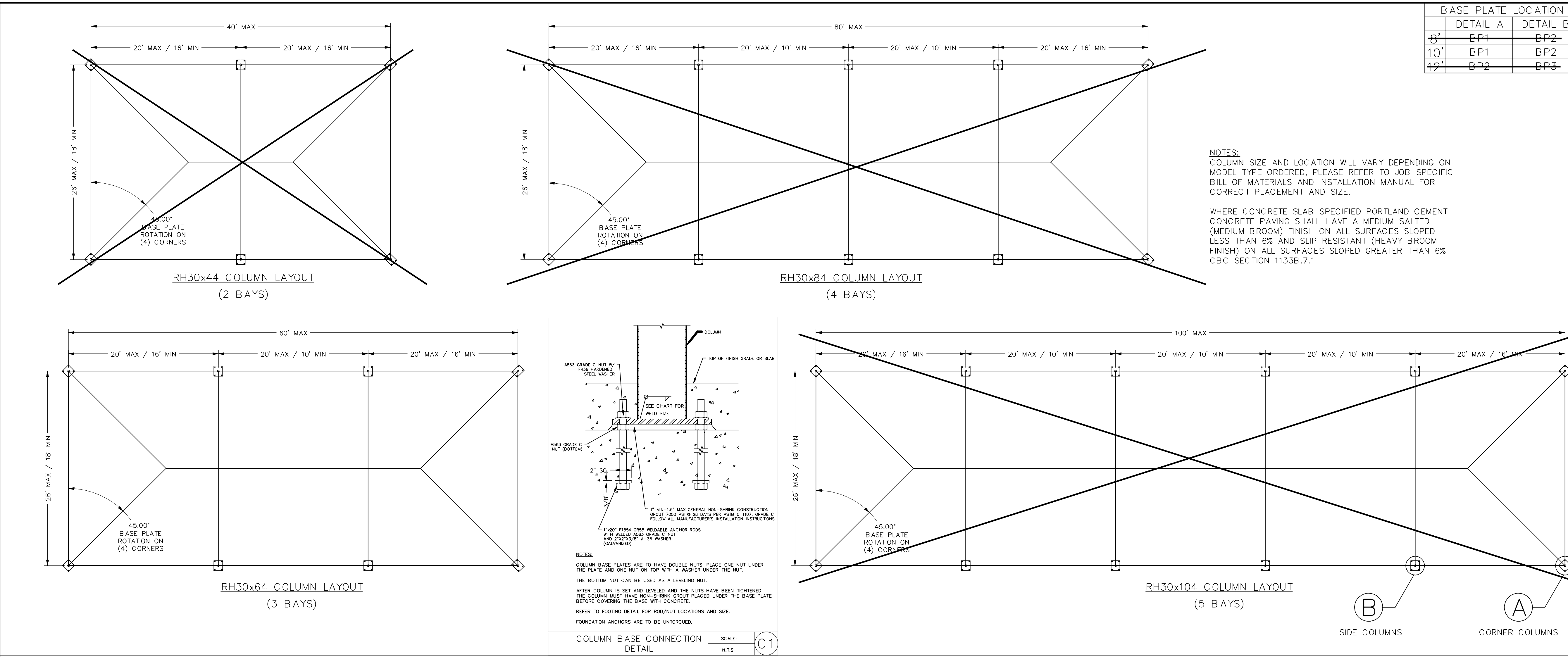
~~DSA 103-19: LIST OF REQUIRED VERIFIED REPORTS, CBC 2019~~
Application Number: 04-400000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

- ~~1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292~~

~~DSG DSA 103-19 (Revised 07/16/2020)
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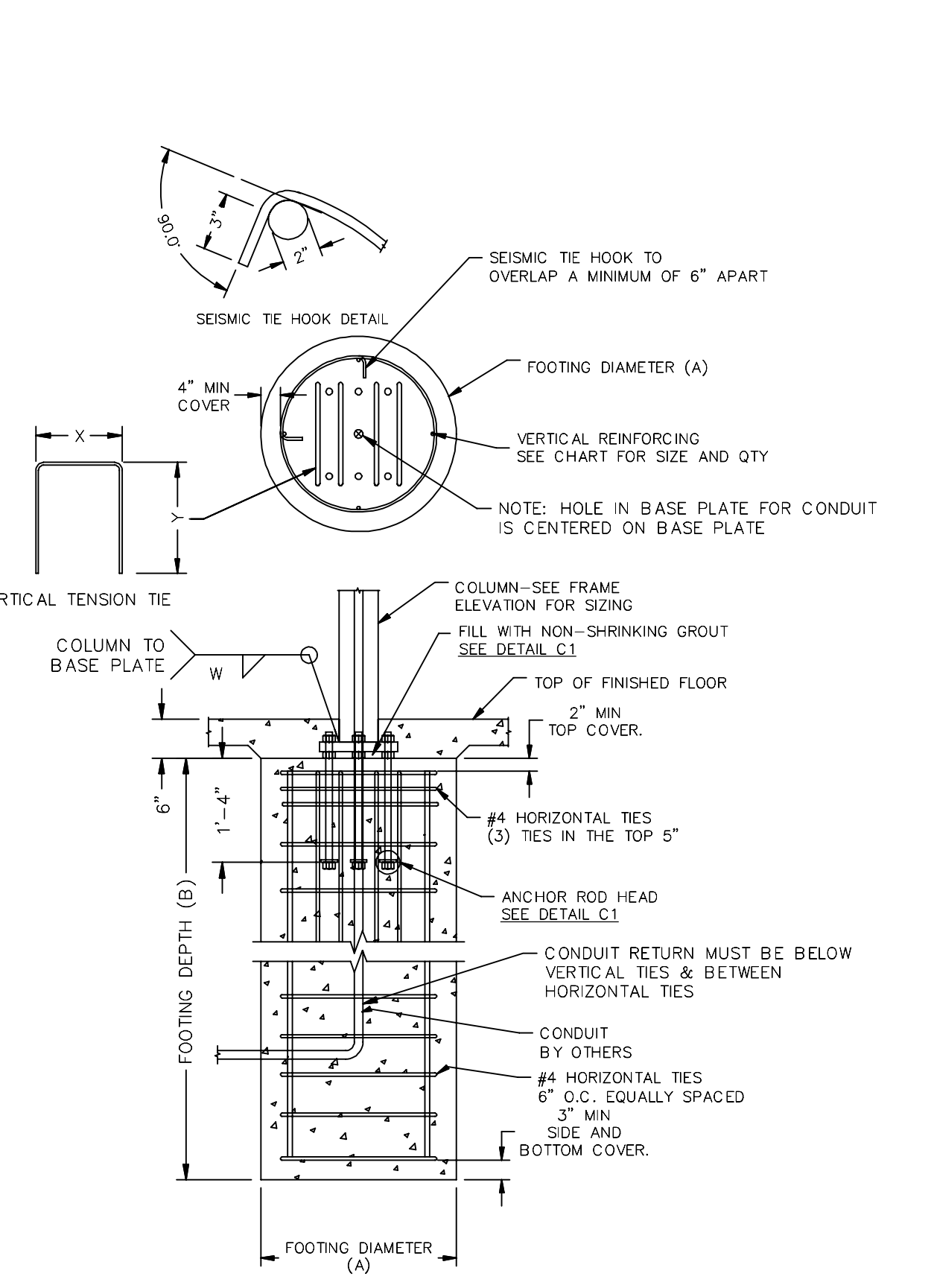
FOR ALL TESTING AND INSPECTION ITEMS SEE THE DSA APPROVED 103 FOR THIS PROJECT.

DSA STAMP



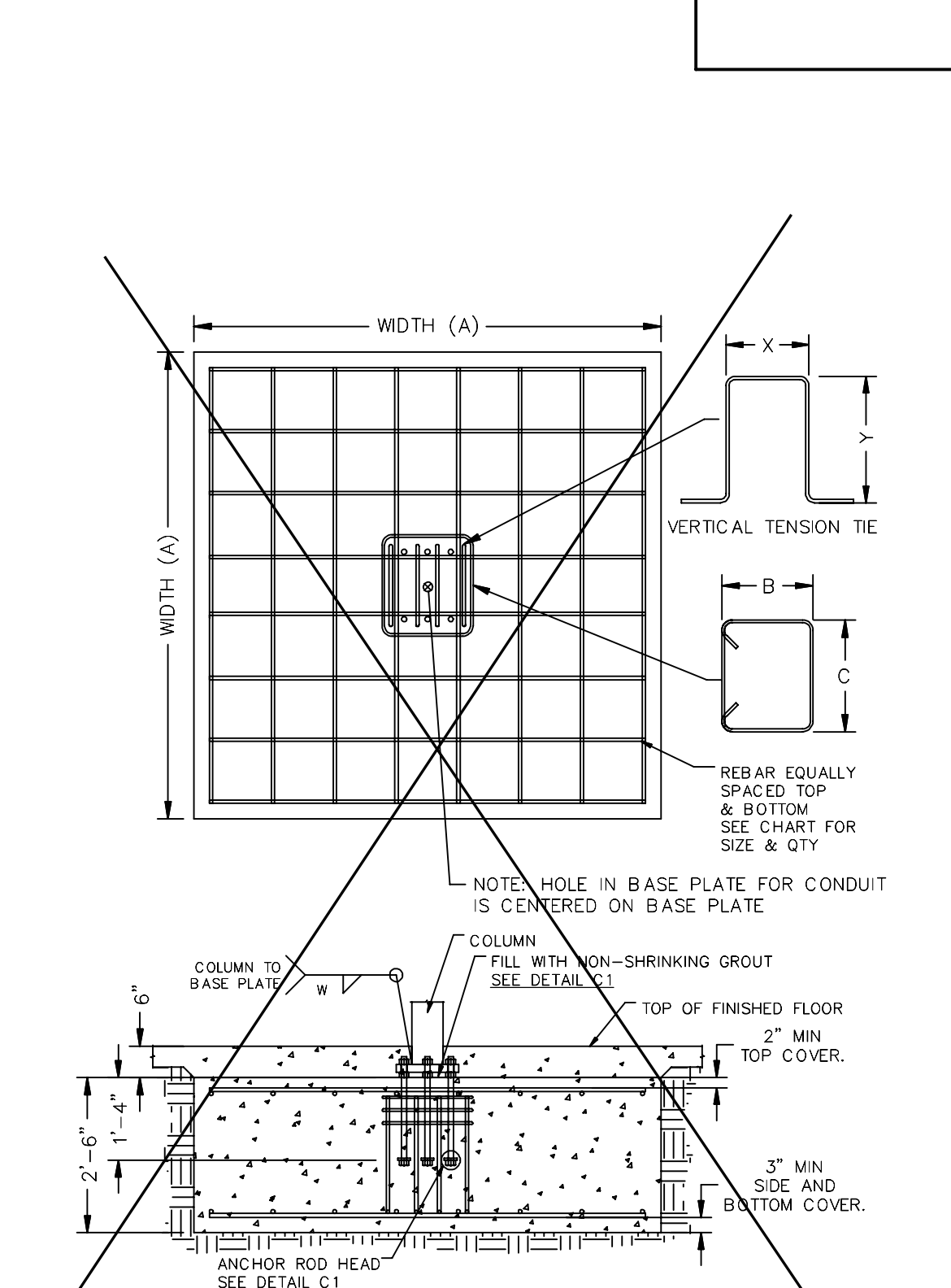
RH30 - PIER

8' height - Corner Columns				8' height - Side Columns				10' height - Corner Columns				10' height - Side Columns			
Soil Class	Depth (ft)	Rebar Qty	Rebar Size	Soil Class	Depth (ft)	Rebar Qty	Rebar Size	Soil Class	Depth (ft)	Rebar Qty	Rebar Size	Soil Class	Depth (ft)	Rebar Qty	Rebar Size
Class 3 - 2000 psf	24	114	6	Class 4 - 2000 psf	24	98	6	Class 3 - 3000 psf	24	88	6	Class 4 - 2000 psf	24	102	6
Class 5 - 1500 psf	36	144	12	Class 4 - 2000 psf	30	132	6	Class 3 - 3000 psf	30	118	6	Class 4 - 2000 psf	30	124	6
Class 5 - 1500 psf	60	30	6	Class 4 - 2000 psf	60	30	6	Class 3 - 3000 psf	60	30	6	Class 4 - 2000 psf	60	30	6



RH30 - SPREAD

8' height - Corner Columns				8' height - Side Columns				10' height - Corner Columns				10' height - Side Columns			
Soil Class	Depth (ft)	Rebar Qty	Rebar Size	Soil Class	Depth (ft)	Rebar Qty	Rebar Size	Soil Class	Depth (ft)	Rebar Qty	Rebar Size	Soil Class	Depth (ft)	Rebar Qty	Rebar Size
Class 3 - 2000 psf	24	60	30	Class 4 - 2000 psf	24	56	30	Class 3 - 3000 psf	24	54	30	Class 4 - 2000 psf	24	60	30
Class 5 - 1500 psf	60	30	6	Class 4 - 2000 psf	60	30	6	Class 3 - 3000 psf	60	30	6	Class 4 - 2000 psf	60	30	6



CON Shelter Systems Inc

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616.396.0944 FX

LS3.0

SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

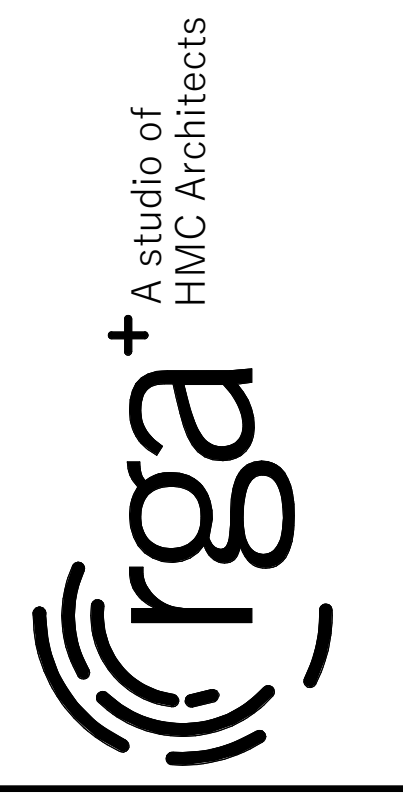
30' WIDE RECTANGULAR HIP FOUNDATION PLAN

Revision

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30' WIDE RECTANGULAR HIP FOUNDATION PLAN

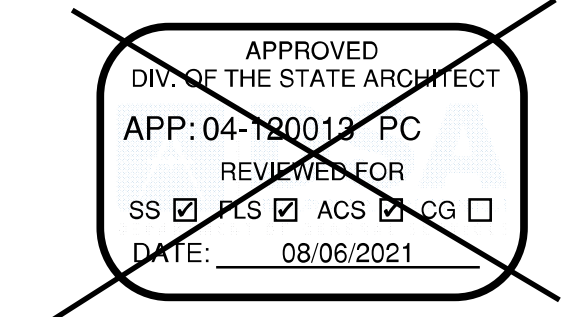
PROJECT NO. 1504.12
DATE: 3/22/2022
SHEET **LS3.0**



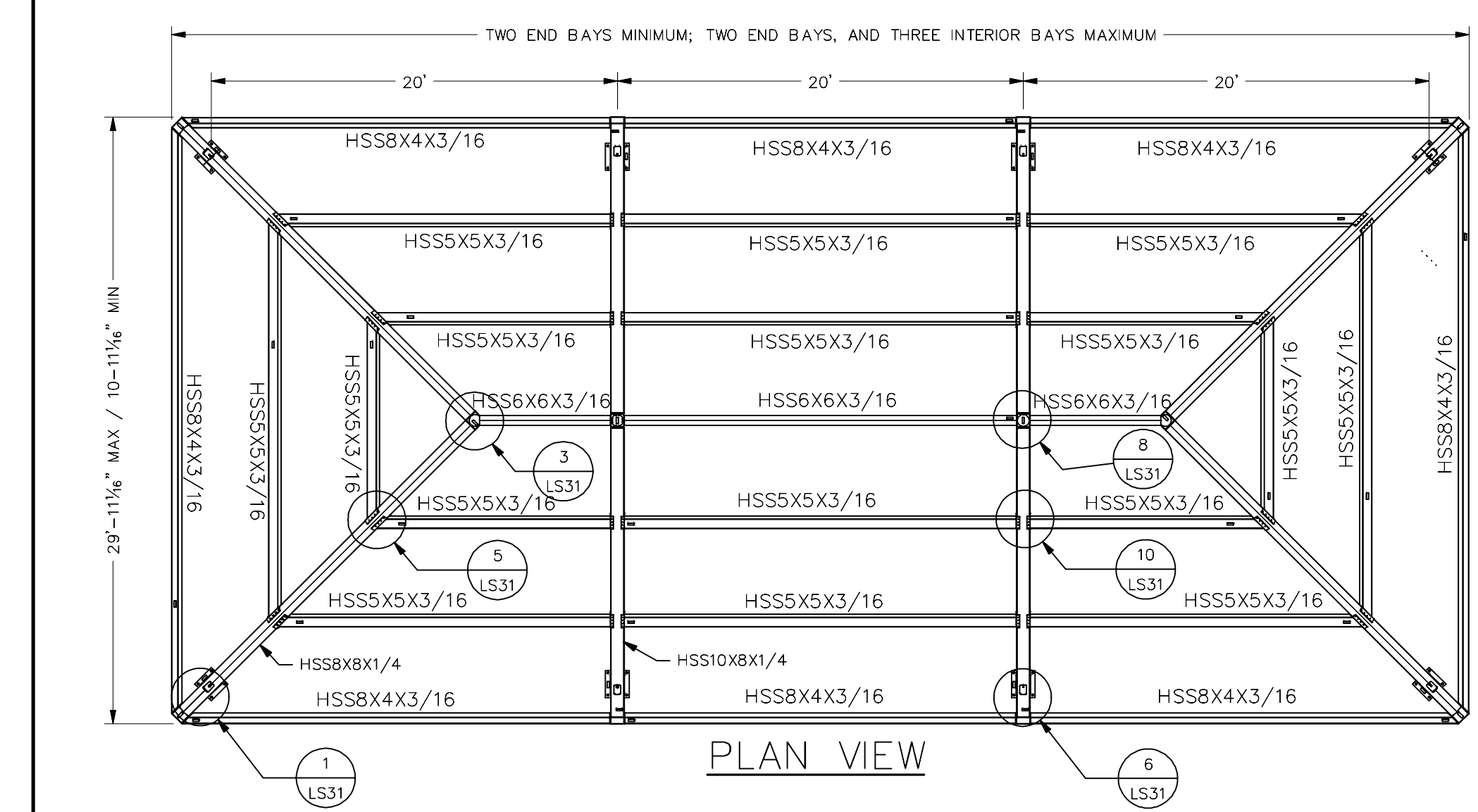
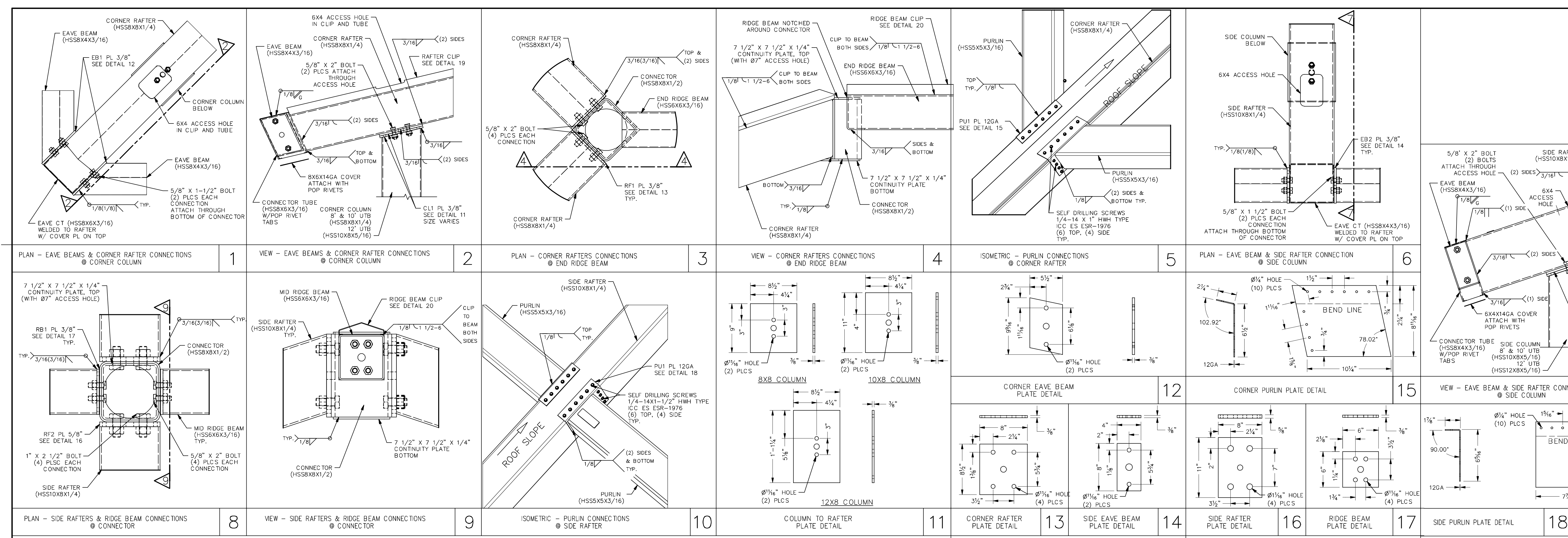
ICON STD	RH/USA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	



07/29/2021



**SHADE STRUCTURE AT ELDER CREEK
ELEMENTARY SCHOOL**
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA



****NOTE:**
QUANTITIES WILL VARY DEPENDING ON SHELTER SIZE ORDERED. PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL.

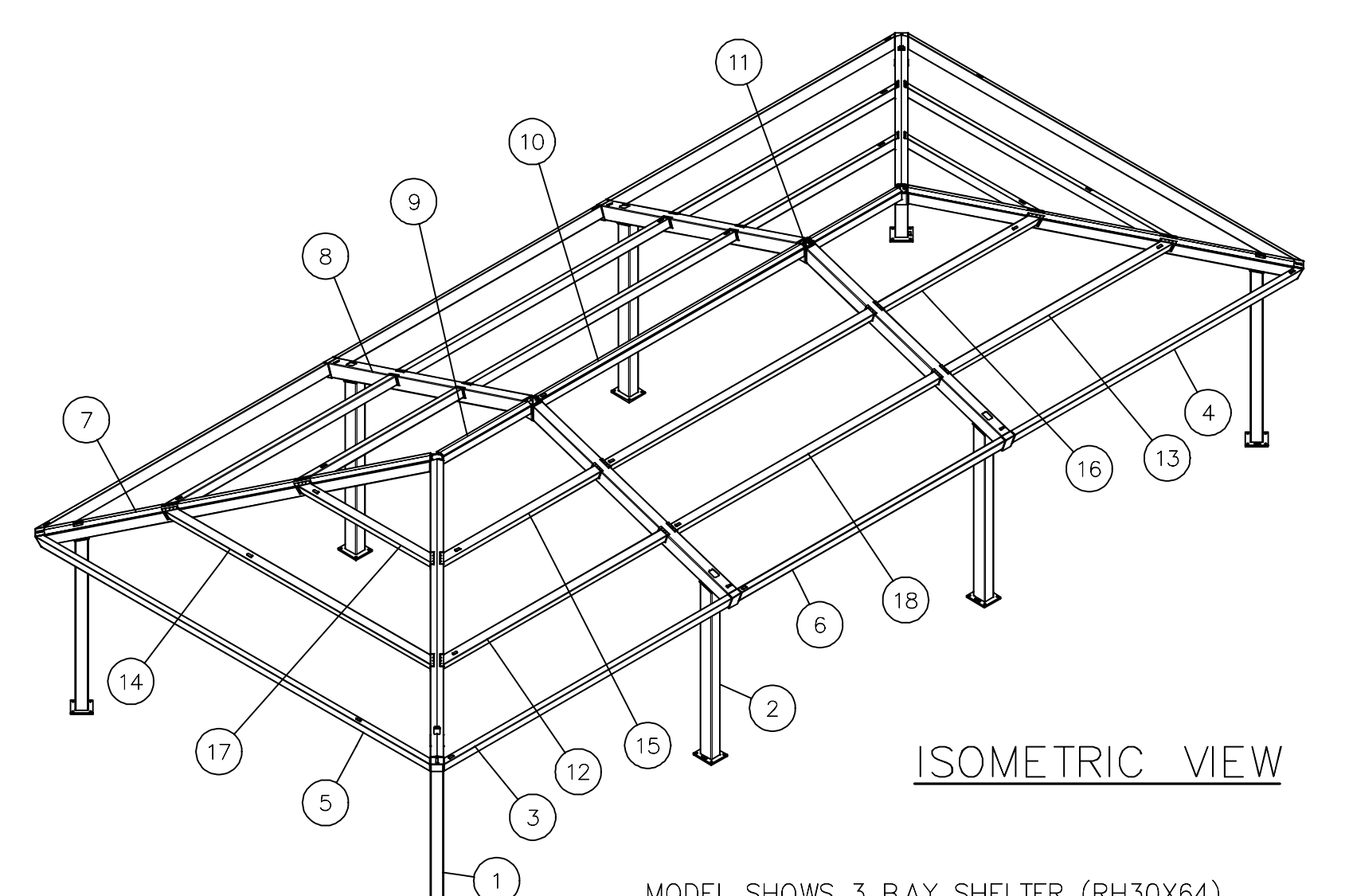
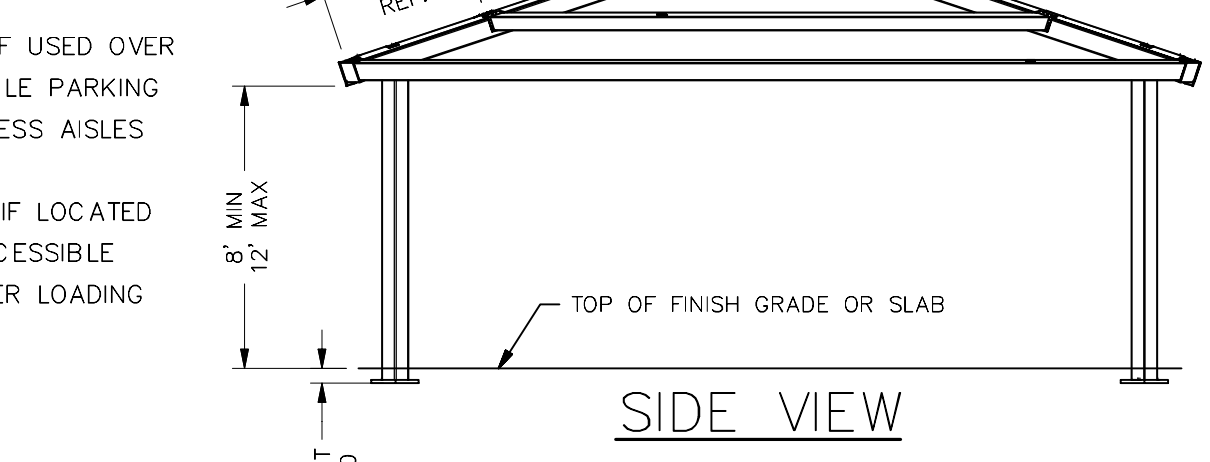
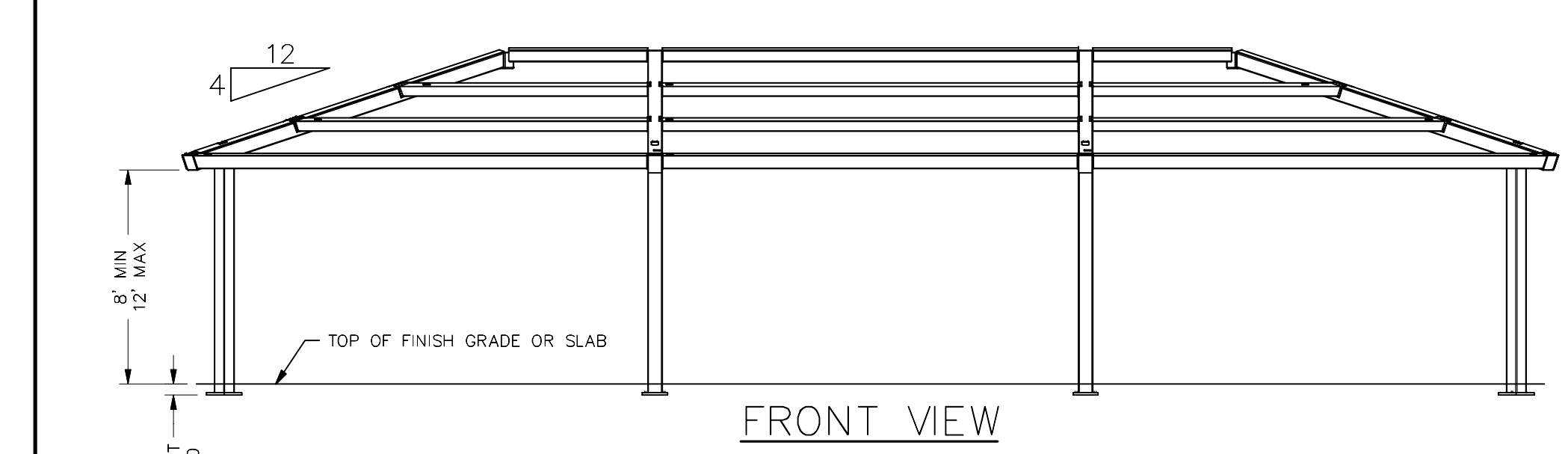
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	4		CORNER COLUMN	**SEE NOTE BELOW		353 lbmass
2	*		SIDE COLUMN	**SEE NOTE BELOW		399 lbmass
3	2		LH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
4	2		RH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
5	2		END EAVE BEAM	HSS8X4X3/16		422 lbmass
6	*		SIDE EAVE BEAM	HSS8X4X3/16		287 lbmass
7	4		CORNER RAFTER	HSS8X8X1/4		607 lbmass
8	*		SIDE RAFTER	HSS10X8X1/4		474 lbmass
9	2		END RIDGE BEAM	HSS8X6X3/16		149 lbmass
10	*		MID RIDGE BEAM	HSS8X6X3/16		328 lbmass
11	*		CONNECTOR	HSS8X8X1/2		48 lbmass
12	2		LH SIDE PURLIN 1	HSS5X5X3/16		238 lbmass
13	2		RH SIDE PURLIN 1	HSS5X5X3/16		238 lbmass
14	2		END PURLIN 1	HSS5X5X3/16		278 lbmass
15	2		LH SIDE PURLIN 2	HSS5X5X3/16		167 lbmass
16	2		RH SIDE PURLIN 2	HSS5X5X3/16		167 lbmass
17	2		END PURLIN 2	HSS5X5X3/16		137 lbmass
18	*		MID PURLIN	HSS5X5X3/16		284 lbmass

****NOTE:**
MATERIAL WILL VARY DEPENDING ON SHELTER SIZE ORDERED.

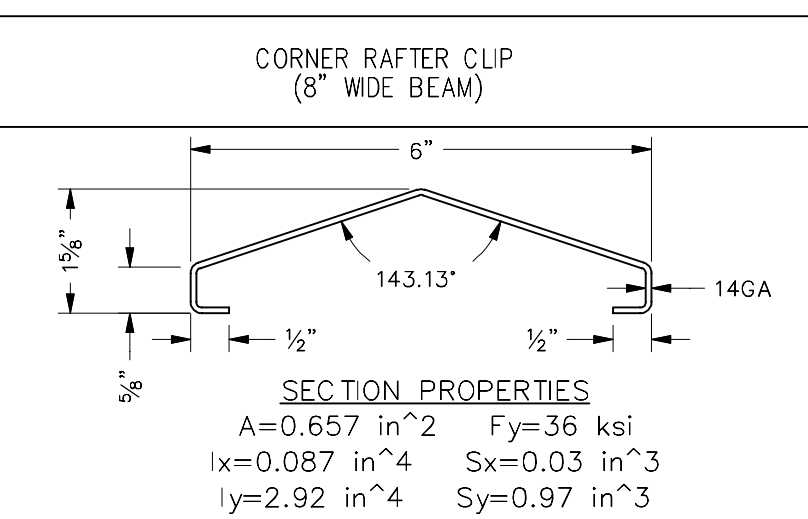
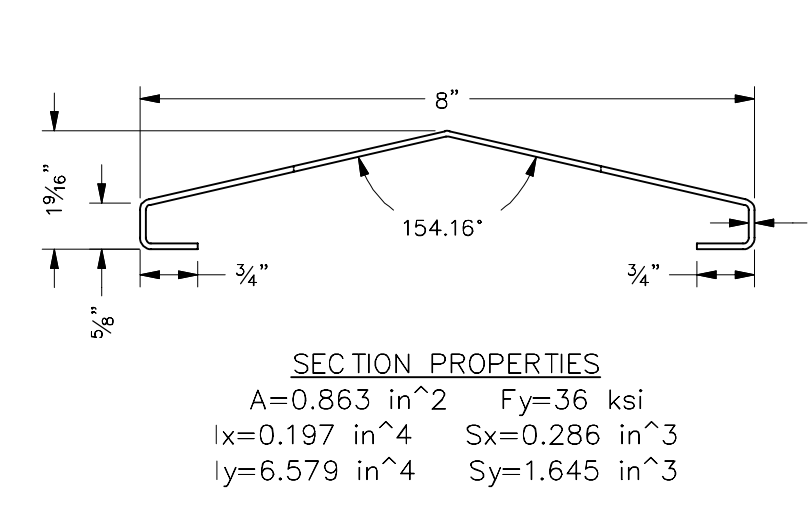
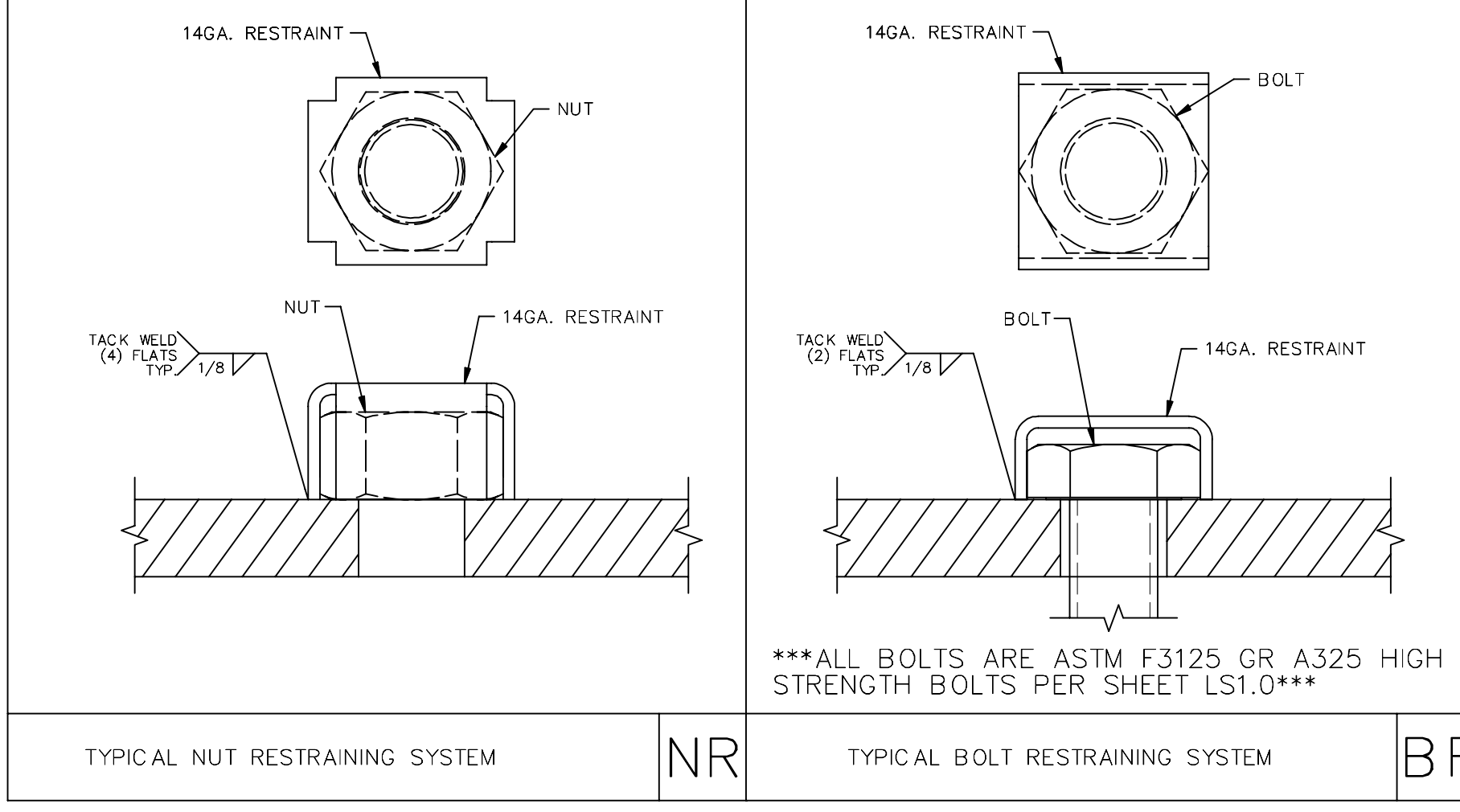
- CORNER COLUMN 8' UTB - (HSS8X8X1/4)
- SIDE COLUMN 8' UTB - (HSS10X8X5/16)
- CORNER COLUMN 10' UTB - (HSS8X8X1/4)
- SIDE COLUMN 10' UTB - (HSS10X8X5/16)
- CORNER COLUMN 12' UTB - (HSS10X8X5/16)
- SIDE COLUMN 12' UTB - (HSS12X8X5/16)

MODEL DESIGNATION

RH30X44	2 BAY
RH30X64	3 BAY
RH30X84	4 BAY
RH30X104	5 BAY



MODEL SHOWS 3 BAY SHELTER (RH30X64)
PLEASE REFER TO ANCHOR BOLT LAYOUT SHEET FOR CORRECT COLUMN PLACEMENT BASED ON SIZE ORDERED



30' WIDE
RECTANGULAR HIP
FRAMING &
CONNECTION DETAILS

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616.396.0919
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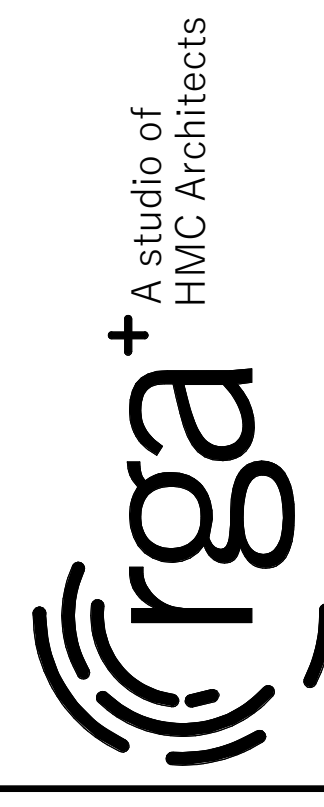
LS3.1

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

PRINTED ON:

Revision

**30' WIDE
RECTANGULAR HIP
FRAMING &
CONNECTION DETAILS**



ROOF NOTES

ATTENTION INSTALLERS: METAL SHAVINGS LEFT ON ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH!
DRILLING OR INSTALLING ROOF FASTENERS WILL CAUSE METAL SHAVINGS. THESE SHAVINGS MUST BE CAREFULLY REMOVED AT THE END OF EACH DAY BY EITHER SWEEPING OR BRUSHING THE INSTALLED ROOF.

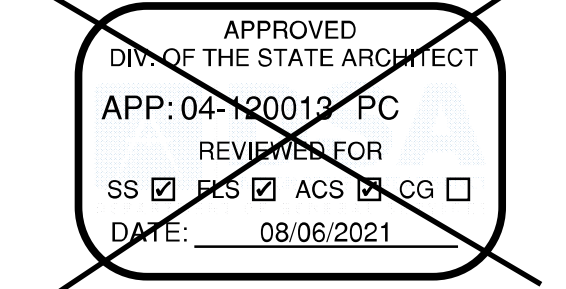
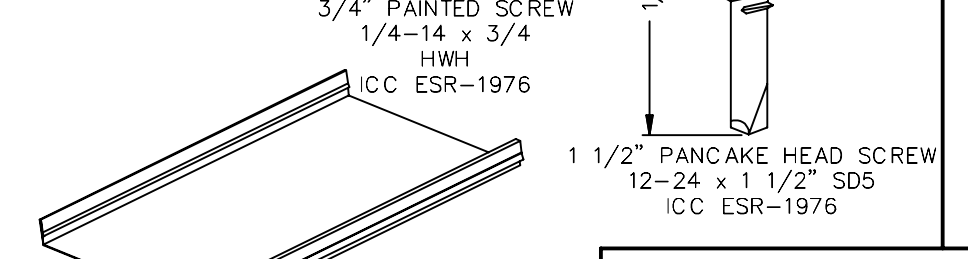
INSTALLED CORRECTLY	INSTALLED TOO TIGHT	INSTALLED TOO LOOSE
THE SEALING MATERIAL SLIGHTLY VISIBLY AROUND THE EDGE OF THE METAL WASHER	THE SEALING MATERIAL IS NOT VISIBLE AROUND THE EDGE OF THE METAL WASHER	THE SEALING MATERIAL IS NOT VISIBLE AROUND THE METAL WASHER

ICON STD	8H/DSA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	

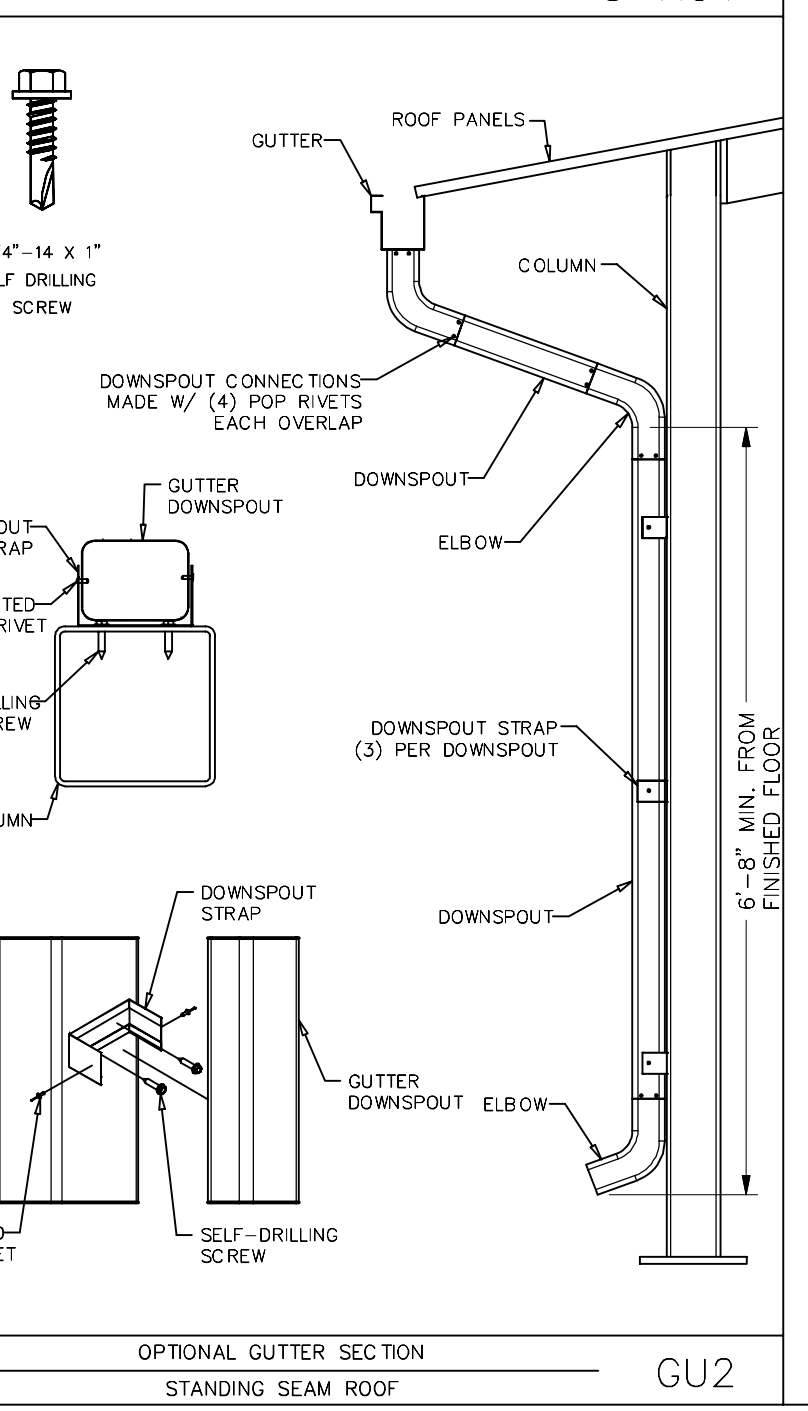
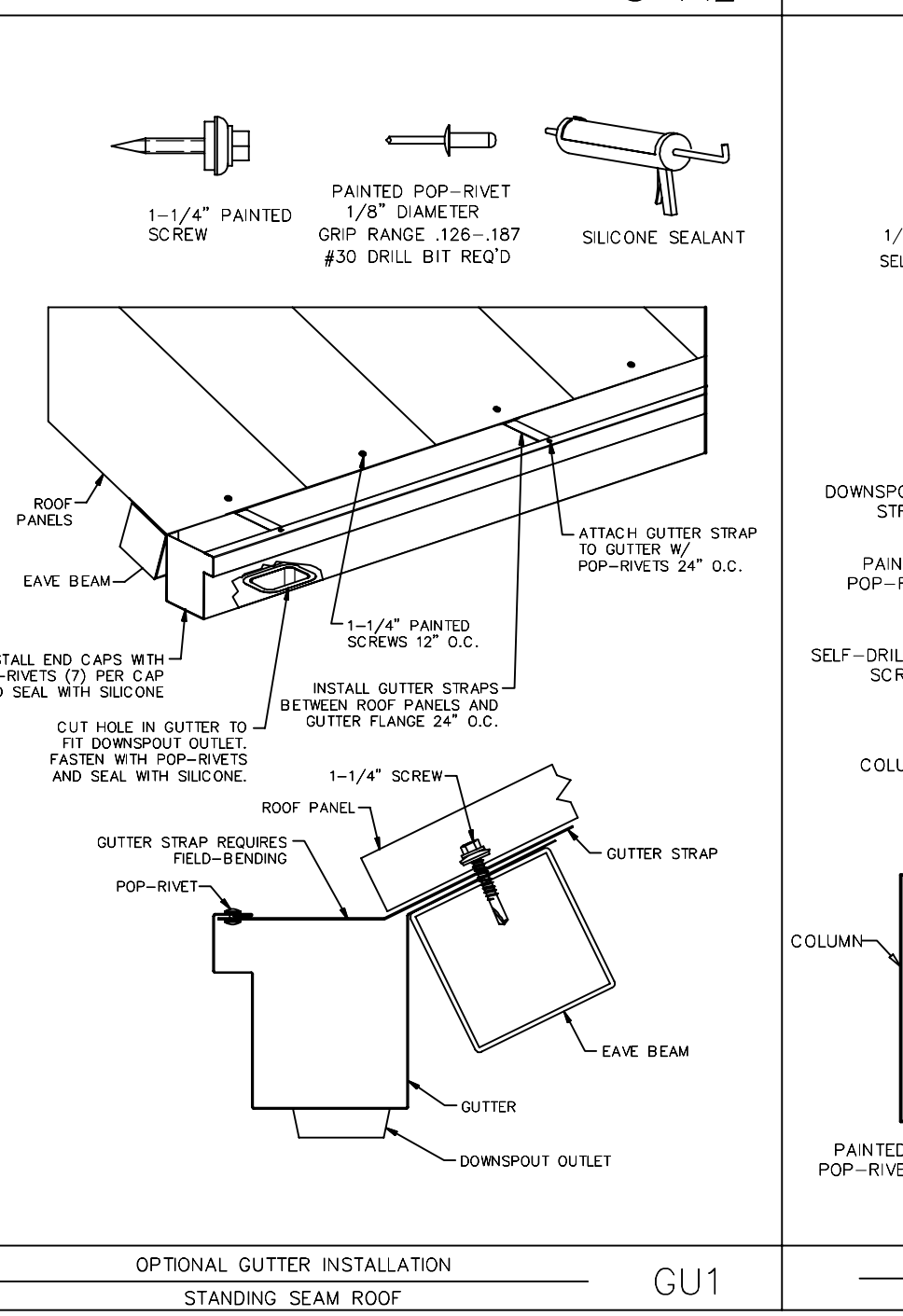
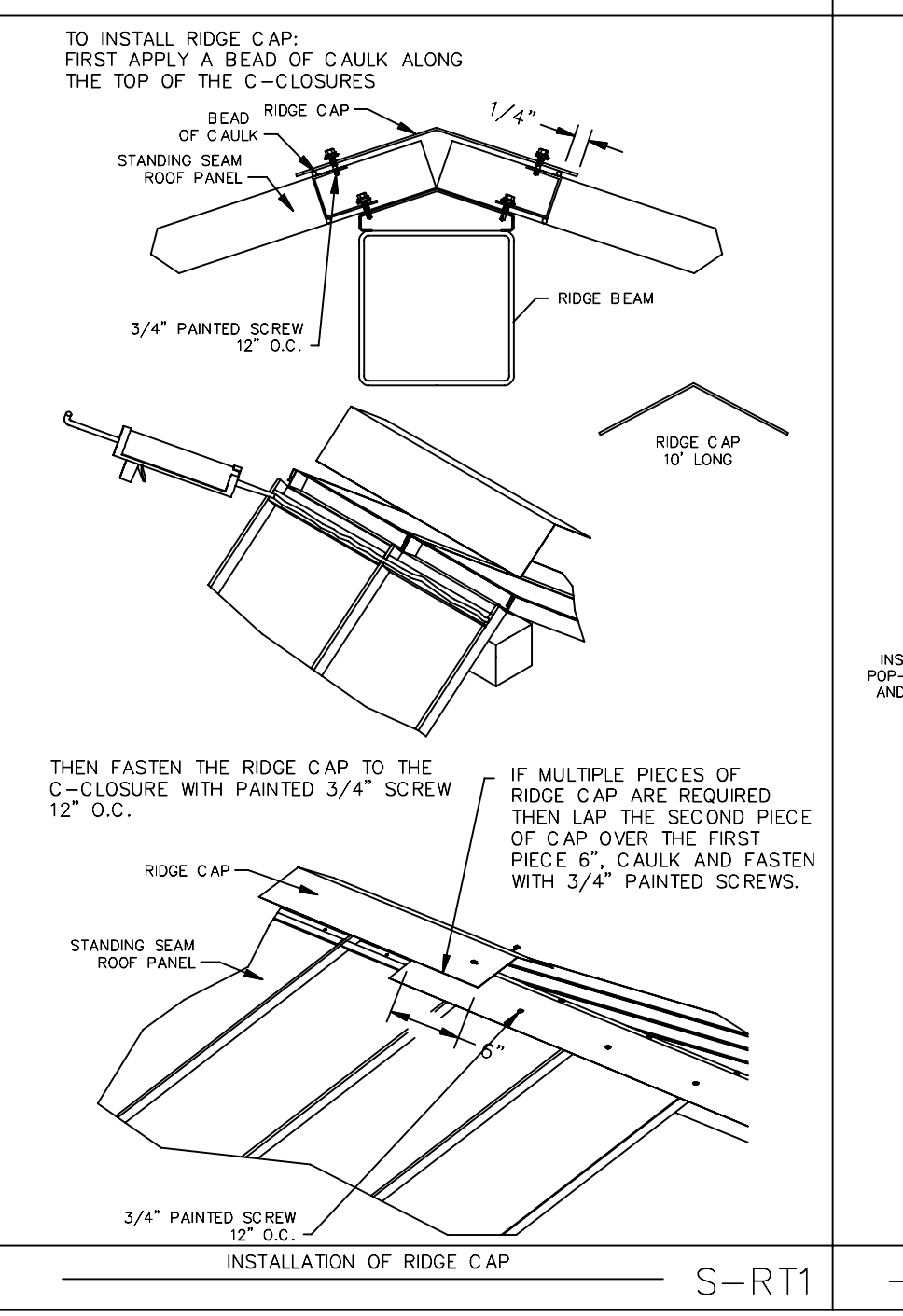
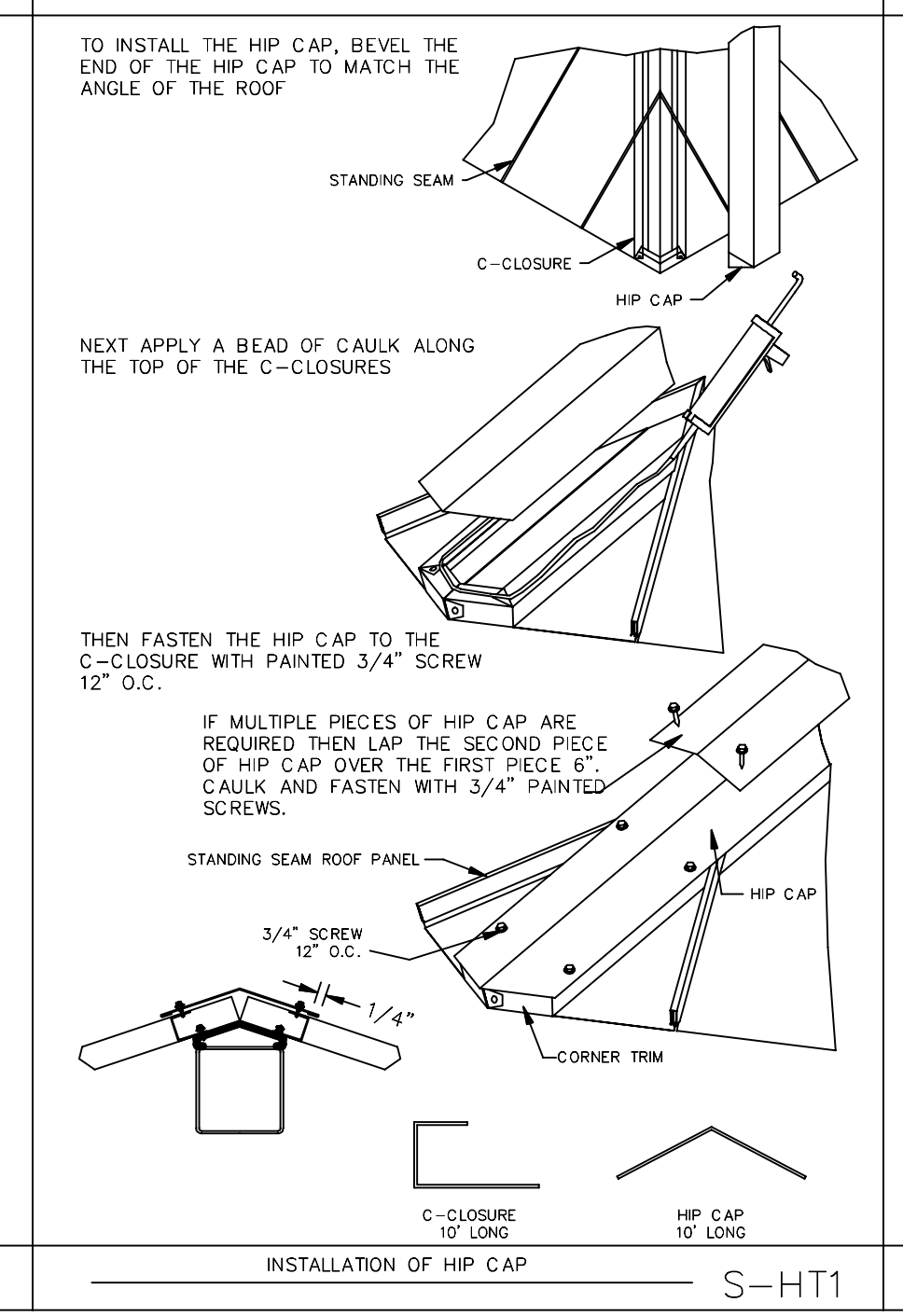
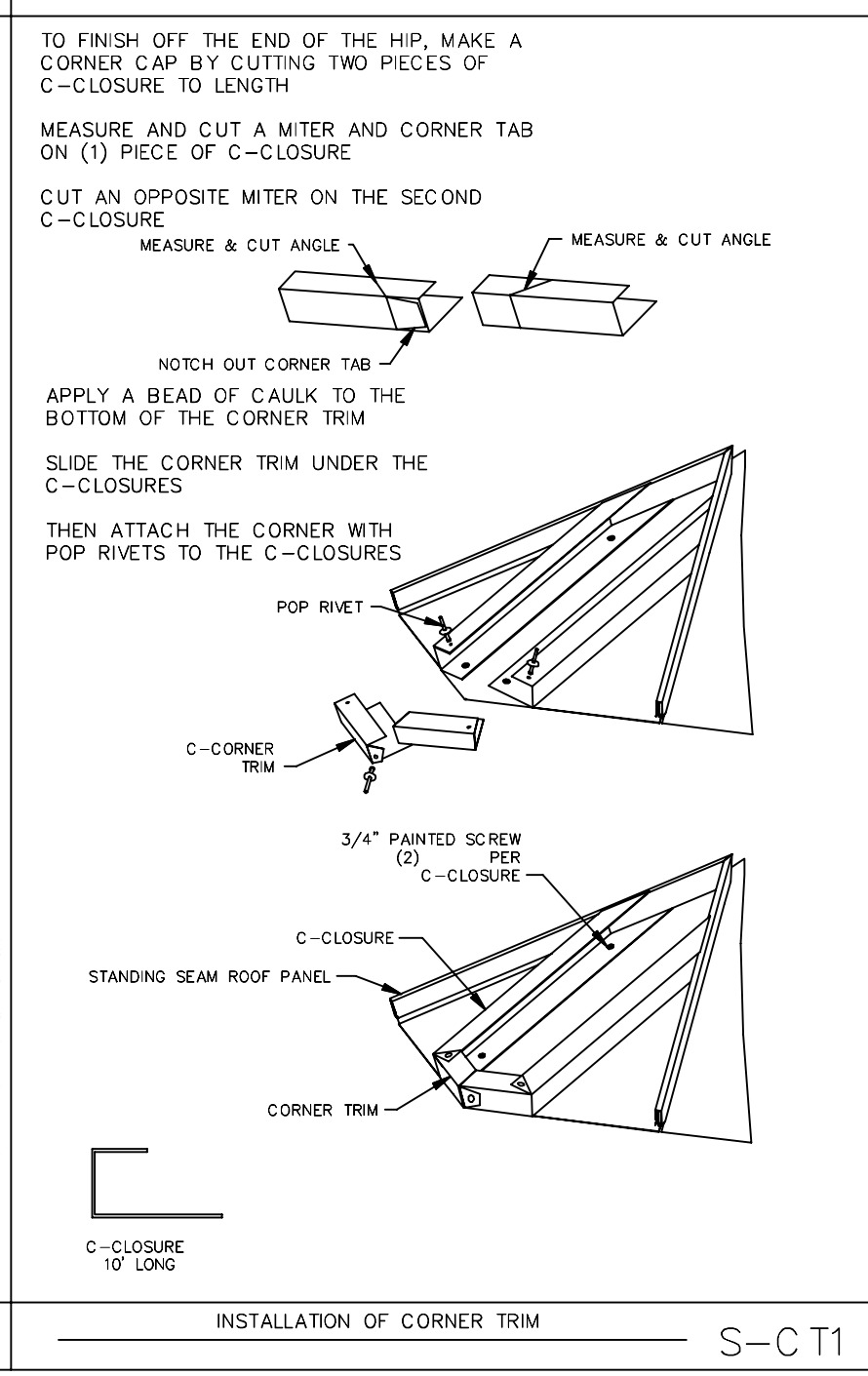
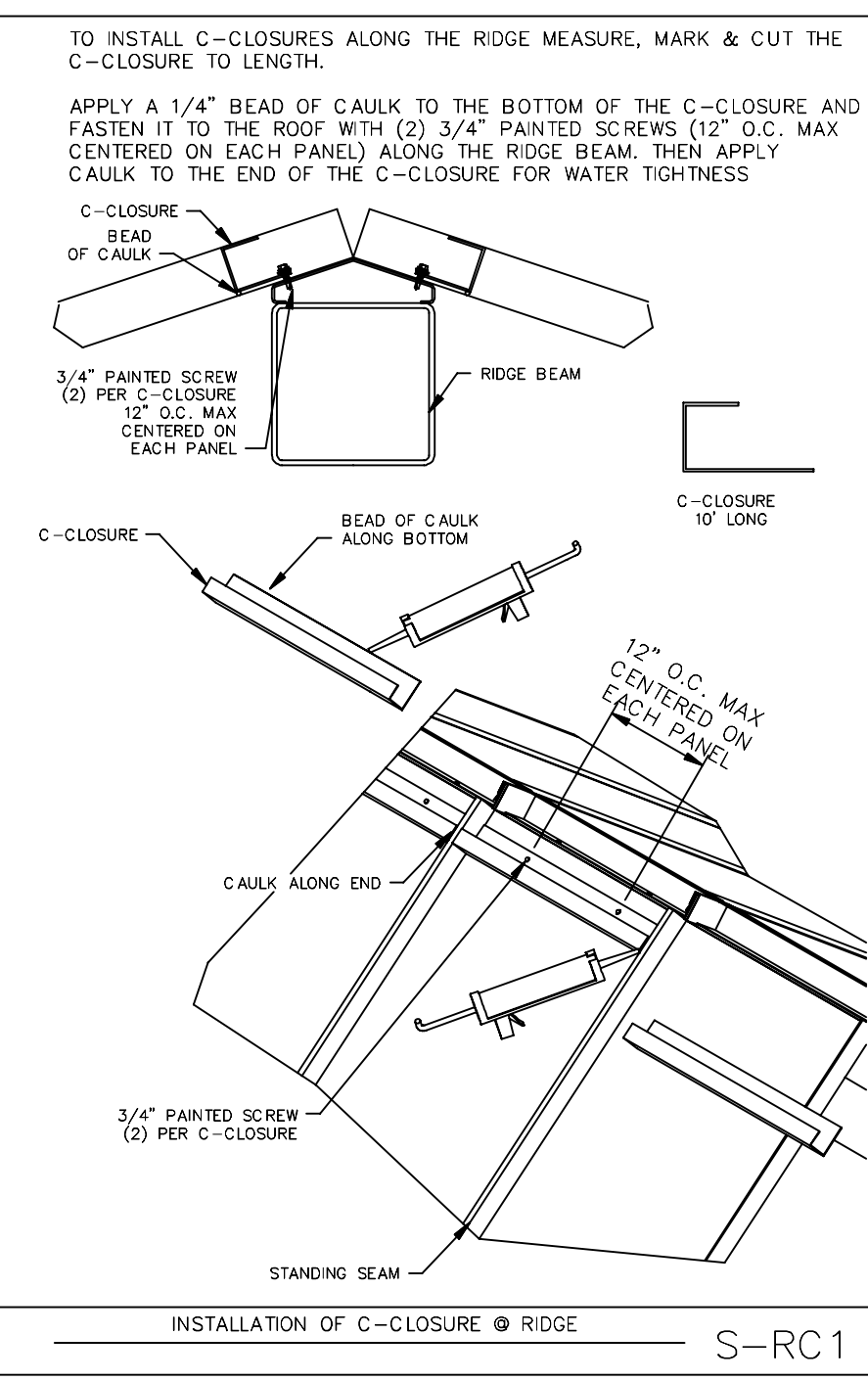
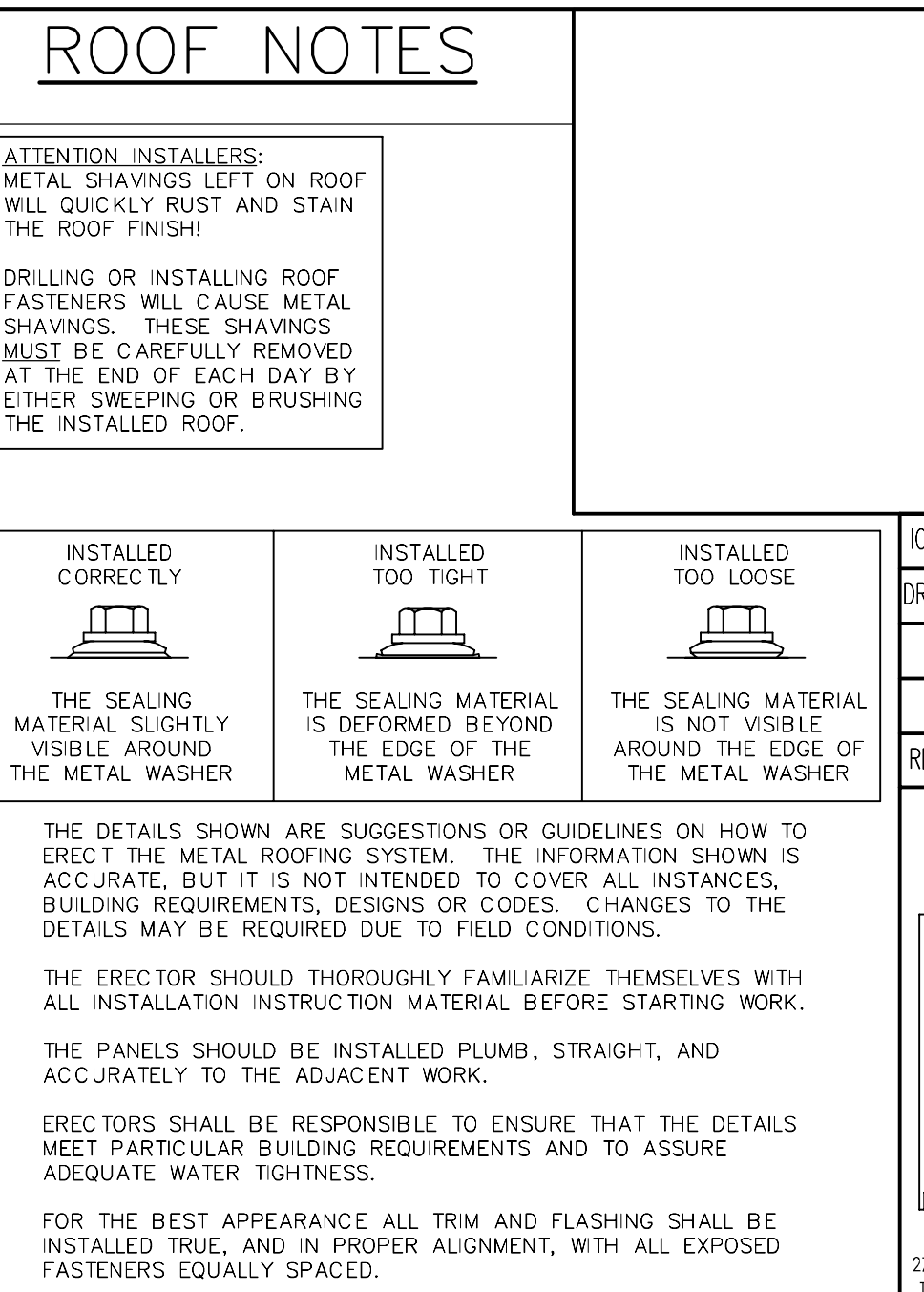
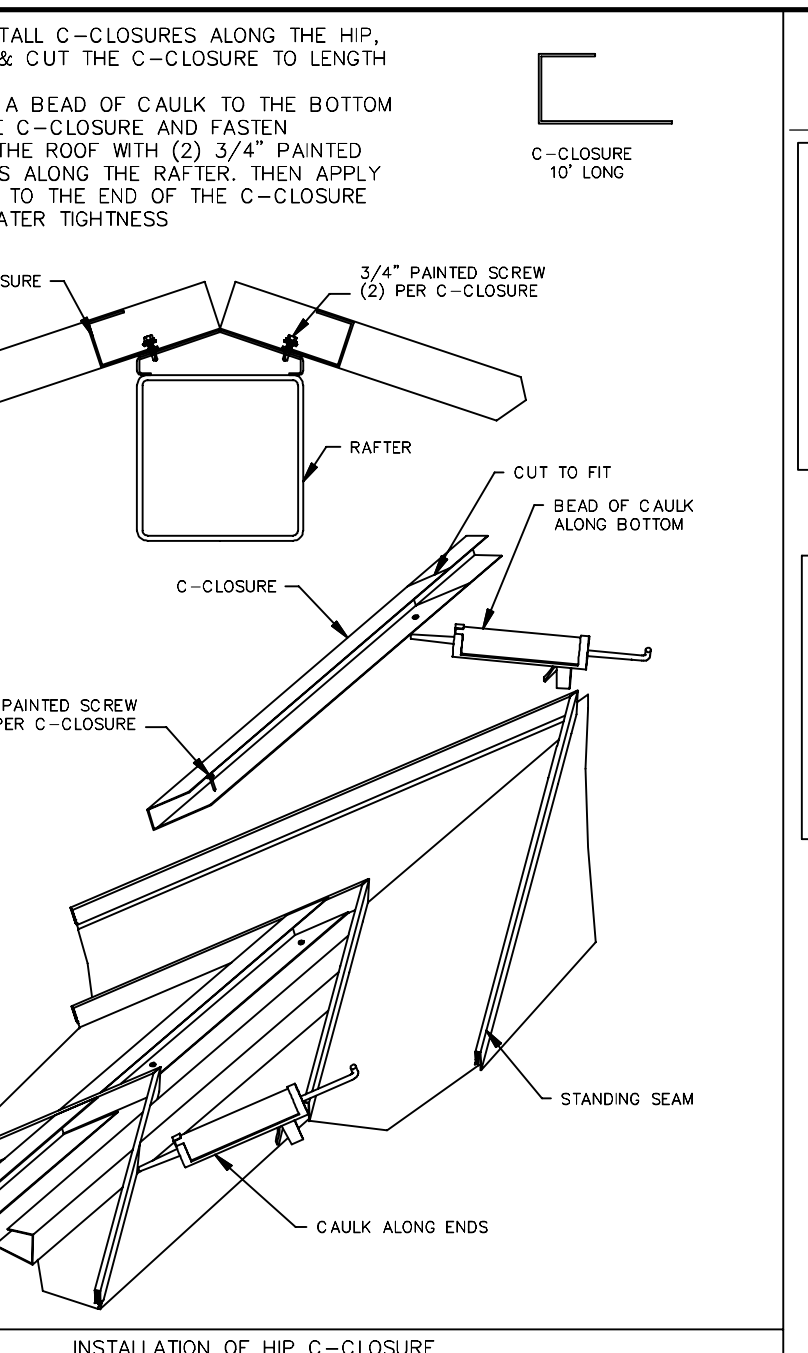
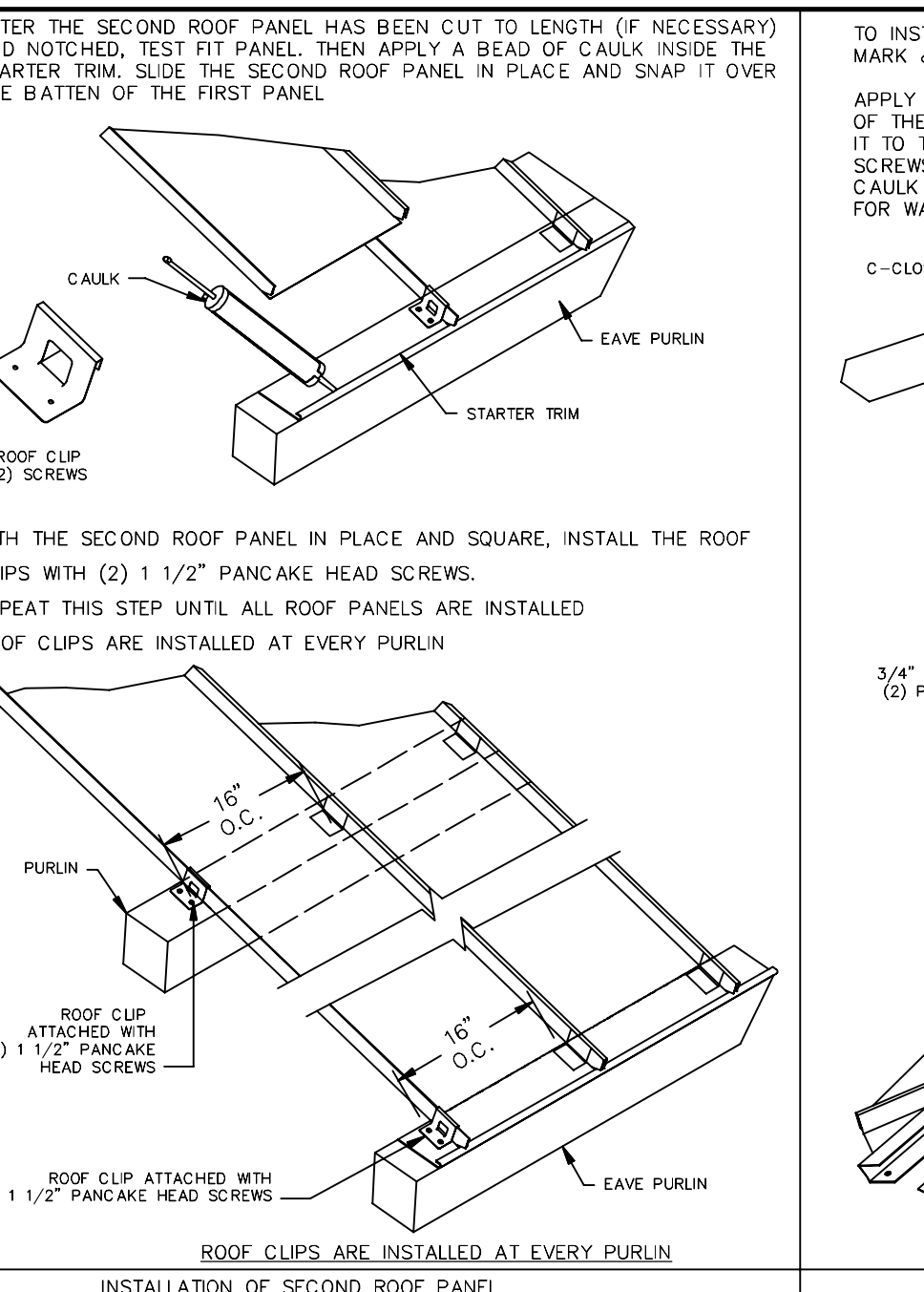
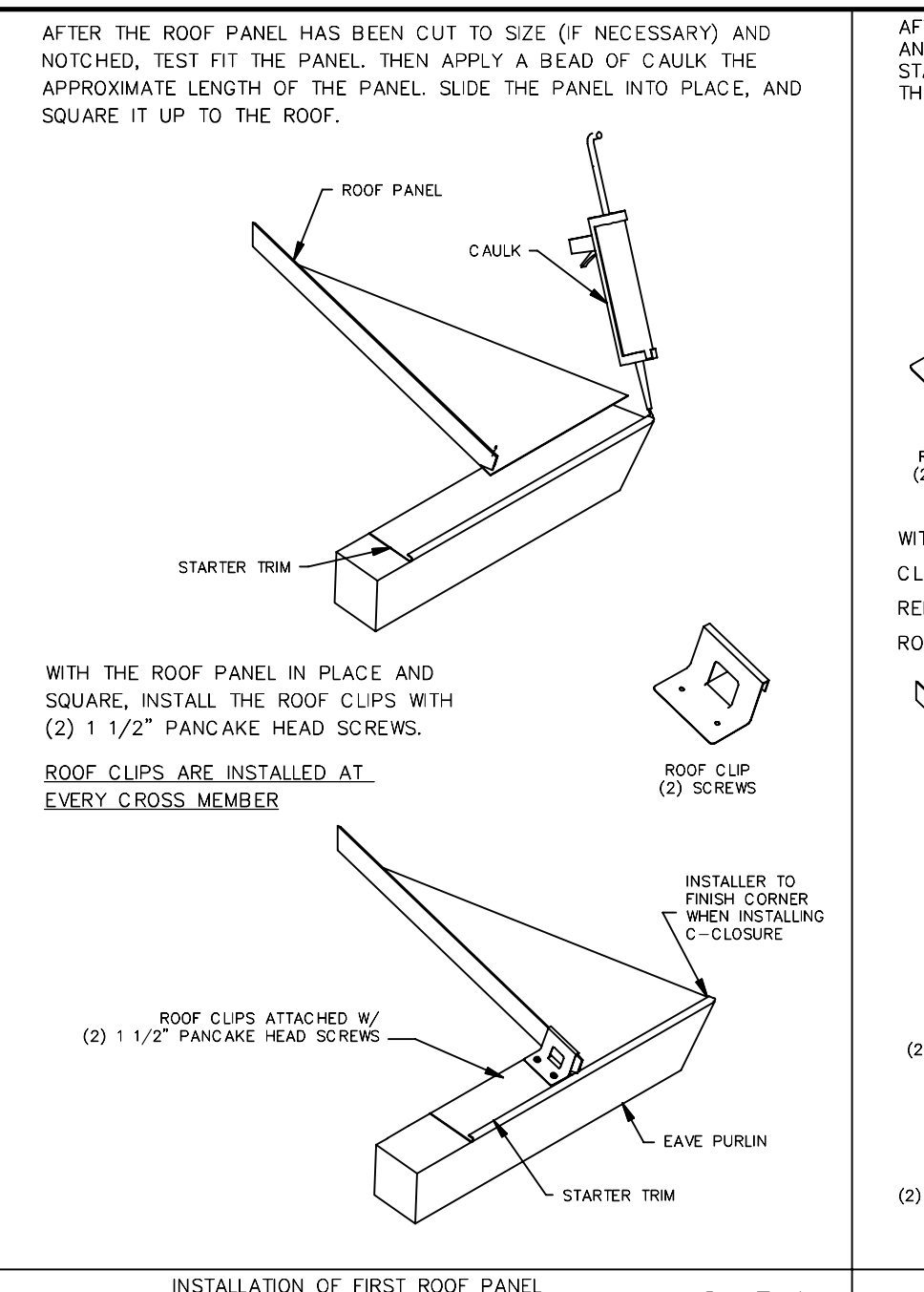
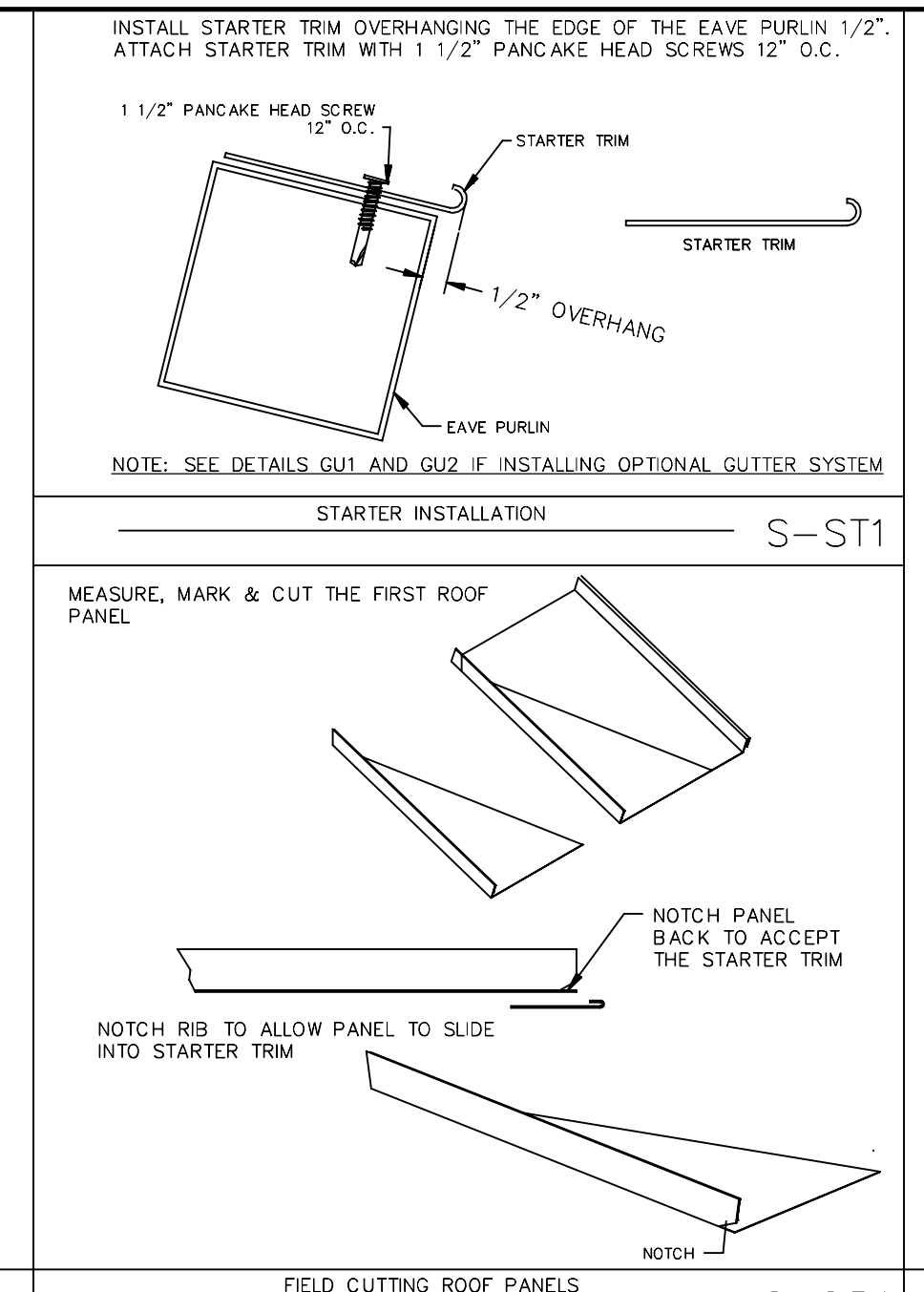
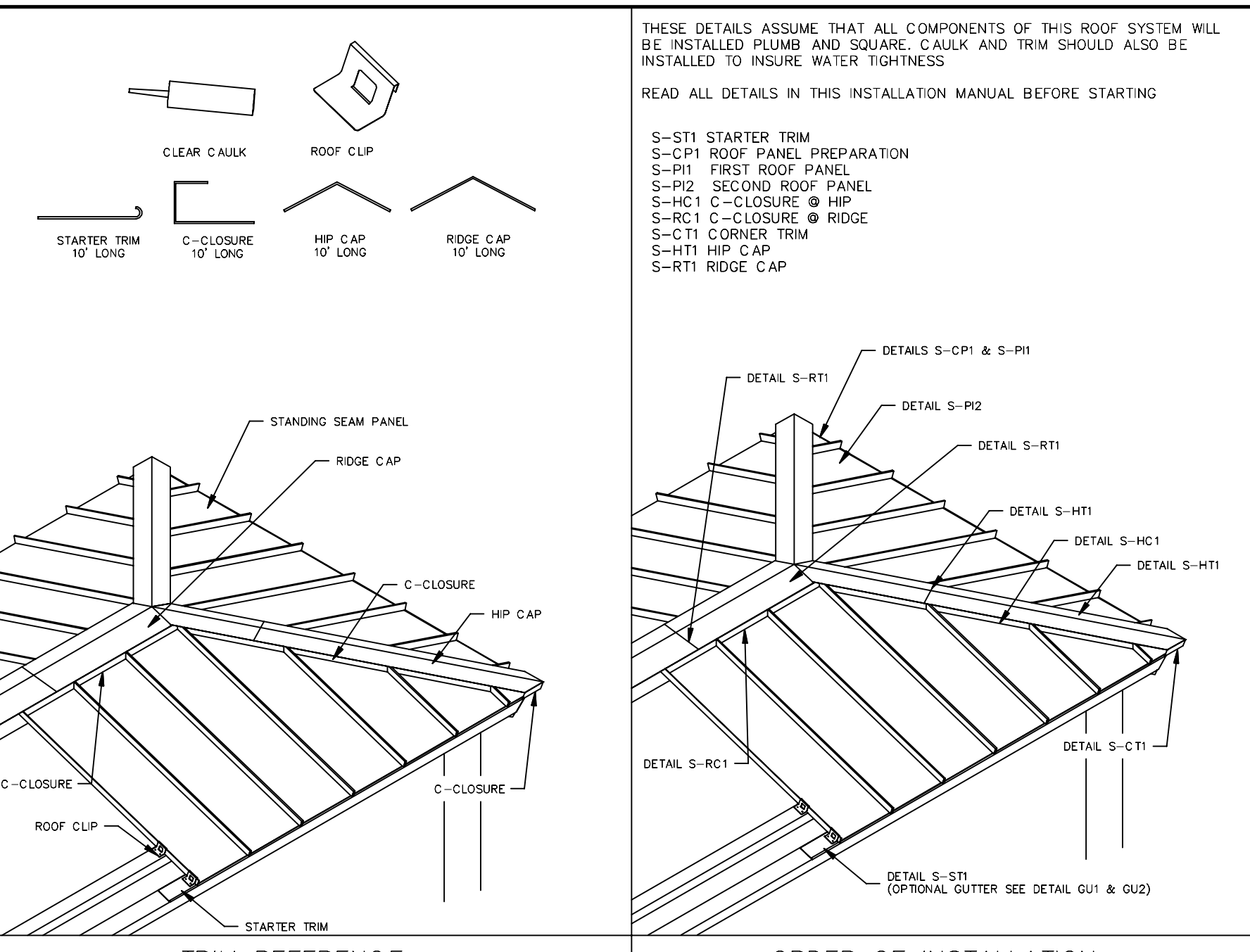
THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE METAL ROOFING SYSTEM. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. CHANGES TO THE DETAILS MAY BE REQUIRED DUE TO FIELD CONDITIONS.
THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL INSTALLATION INSTRUCTION MATERIAL BEFORE STARTING WORK.
THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.
ERECTORS SHALL BE RESPONSIBLE TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.
FOR THE BEST APPEARANCE ALL TRIM AND FLASHING SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ALL EXPOSED FASTENERS EQUALLY SPACED.



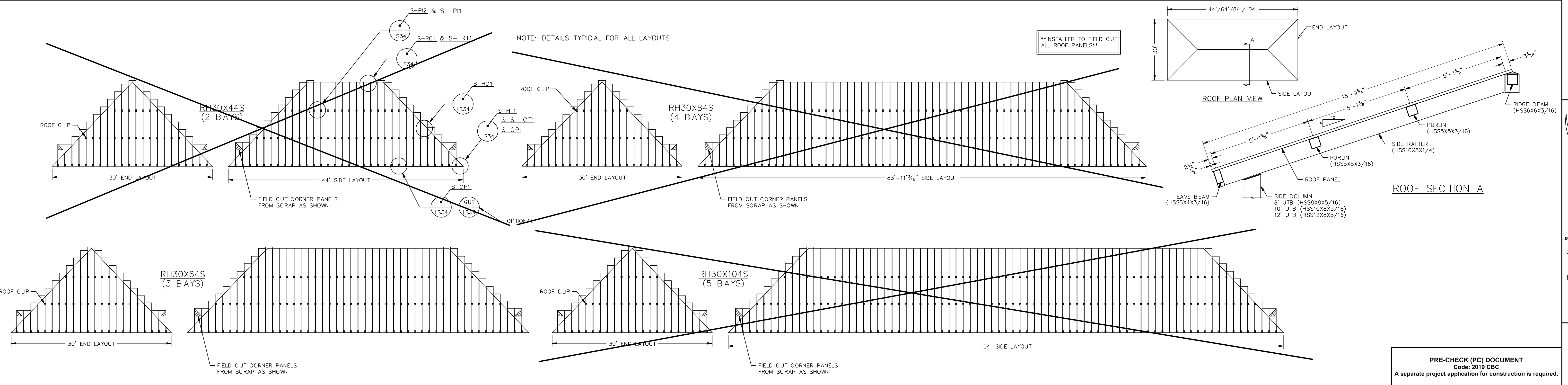
SOME FIELD CUTTING AND/OR FITTING OF PANELS, TRIM AND FLASHING IS TO BE EXPECTED BY THE ERECTOR. MINOR FIELD CORRECTIONS ARE PART OF NORMAL ERECTION WORK.
THE INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN AND WORKMANSHIP SHALL MEET THE BEST INDUSTRY STANDARDS.



SECTION PROPERTIES (PER FT. OF WIDTH)
TOP IN COMPRESSION
I_x=0.086 in⁴
S_e=0.0561 in³
M_a=1.58 in-kips
BOTTOM IN COMPRESSION
I_x=0.040 in⁴
S_e=0.0479 in³
M_a=1.248 in-kips



30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING



30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING PLAN

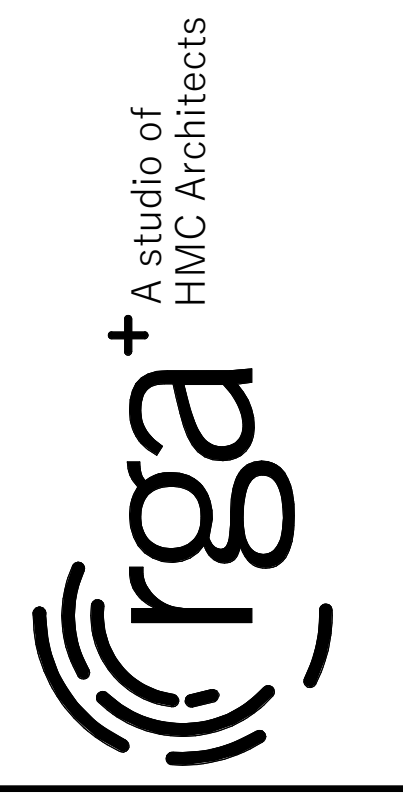
CON Shelter Systems Inc.
1455 LINCOLN AVE HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX
LS3.4

SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Revision	
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30' WIDE RECTANGULAR HIP STANDING SEAM ROOFING PLAN	
PRE-CHECK (PC) DOCUMENT Code: 2019 CBC A separate project application for construction is required.	

PROJECT NO.	1504.12
DATE	3/22/2022
SHEET	LS3.4



ICON STD	R4/OSA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	

JRMA
 ARCHITECTS ENGINEERS
 2200 SATORI ST. BERKELEY, CA 94707
 1714 24th STREET #114, SAN DIEGO, CA 92108
 WWW.JRMA.COM

PROFESSIONAL SEAL
 MICHAEL D. COHEN
 REGISTERED PROFESSIONAL ARCHITECT
 STATE OF CALIFORNIA
 07/29/2021

ELECTRICAL INFORMATION - RECTANGULAR HIP

ICON'S STANDARD ELECTRICAL IS DESIGNED TO ACCOMMODATE Ø1/2" CONDUIT WITH A Ø3" INLET HOLE ON THE BOTTOM OF EACH COLUMN. THE CONDUIT PATHWAY RUNS THROUGH THE COLUMN, RAFTER, AND RIDGE BEAM THROUGH ALL BOLTED CONNECTIONS AS SHOWN. IF YOU HAVE SPECIAL ELECTRICAL REQUIREMENTS, PLEASE OUTLINE ANY CHANGES BELOW AS DESCRIBED.

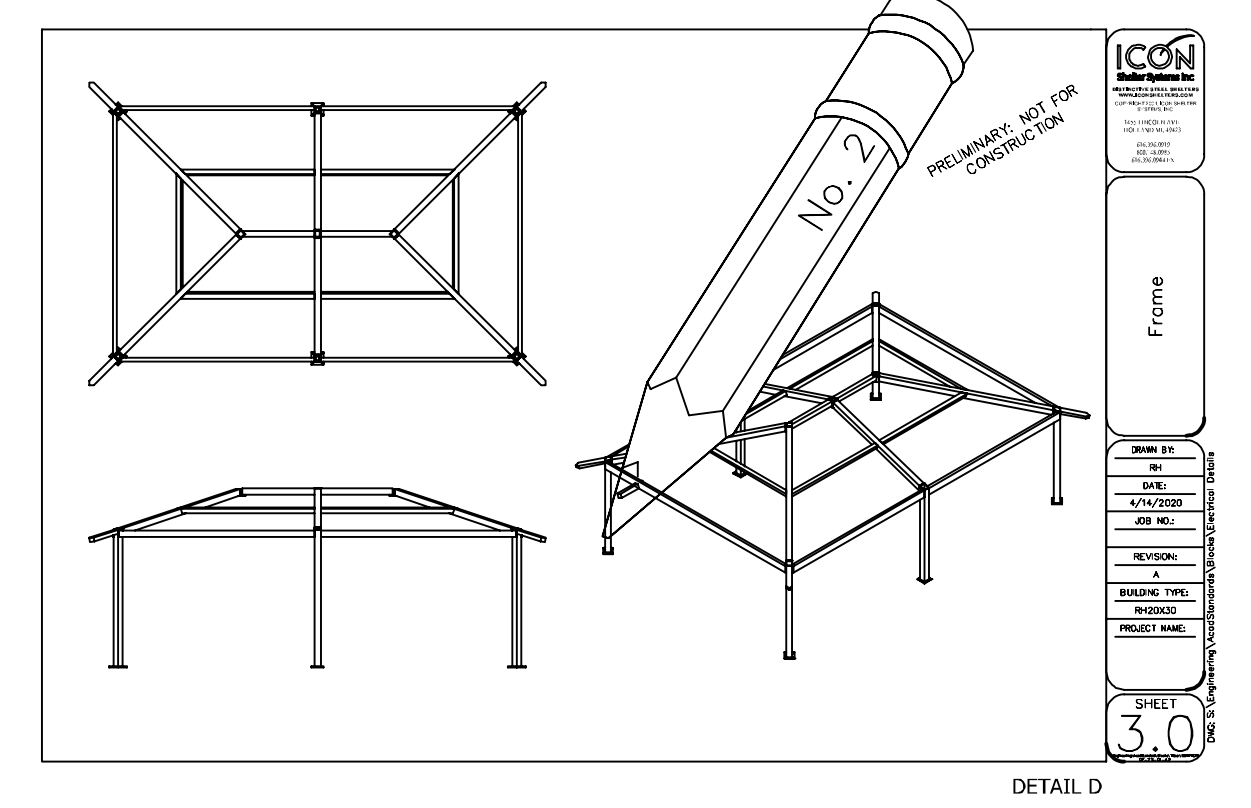
PLEASE NOTE: DESIGN LIMITATIONS ON HOLE/CUTOUT SIZES MAY APPLY. ICON WILL REACH OUT TO DISCUSS ANY SUCH LIMITATIONS AS NEEDED.

NOTE: ICON SHELTER FRAME IS NOT UL LISTED TO ACT AS A CONDUIT FOR ELECTRICAL WIRING. CONSULT LOCAL BUILDING CODES WHEN PLANNING YOUR ELECTRICAL SYSTEM.

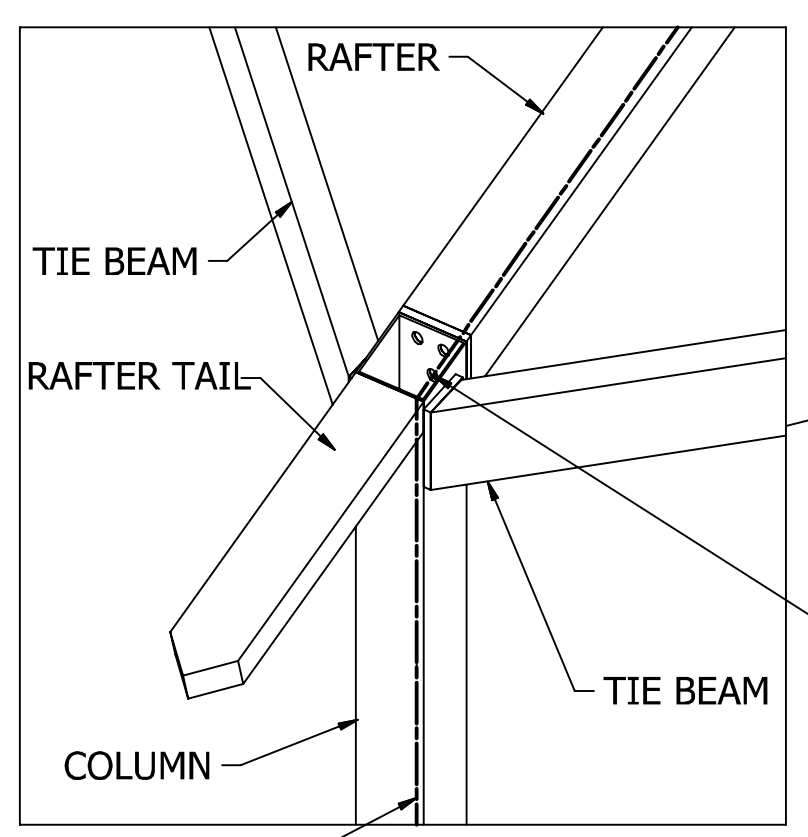
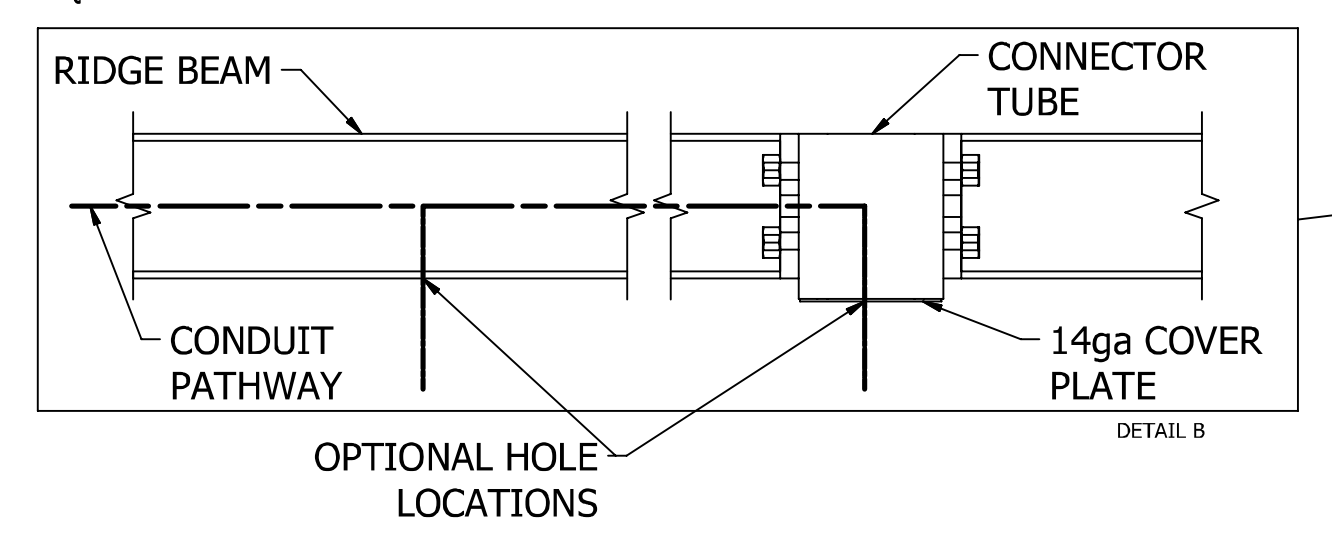
PRELIMINARY: NOT FOR CONSTRUCTION

- STEPS:**
1. CONDUIT HOLE SIZE (DETAIL A)
 2. ELECTRICAL EXIT HOLES (DETAIL B)
 3. ELECTRICAL ACCESS & COVER PLATES (DETAIL C)
 4. ELECTRICAL CONDUIT PATHWAY (DETAIL D)

IF REQUIRED, PLEASE DRAW THE NECESSARY ELECTRICAL CONDUIT PATHWAY ON THE FRAME SHEET OF THIS PRELIMINARY.



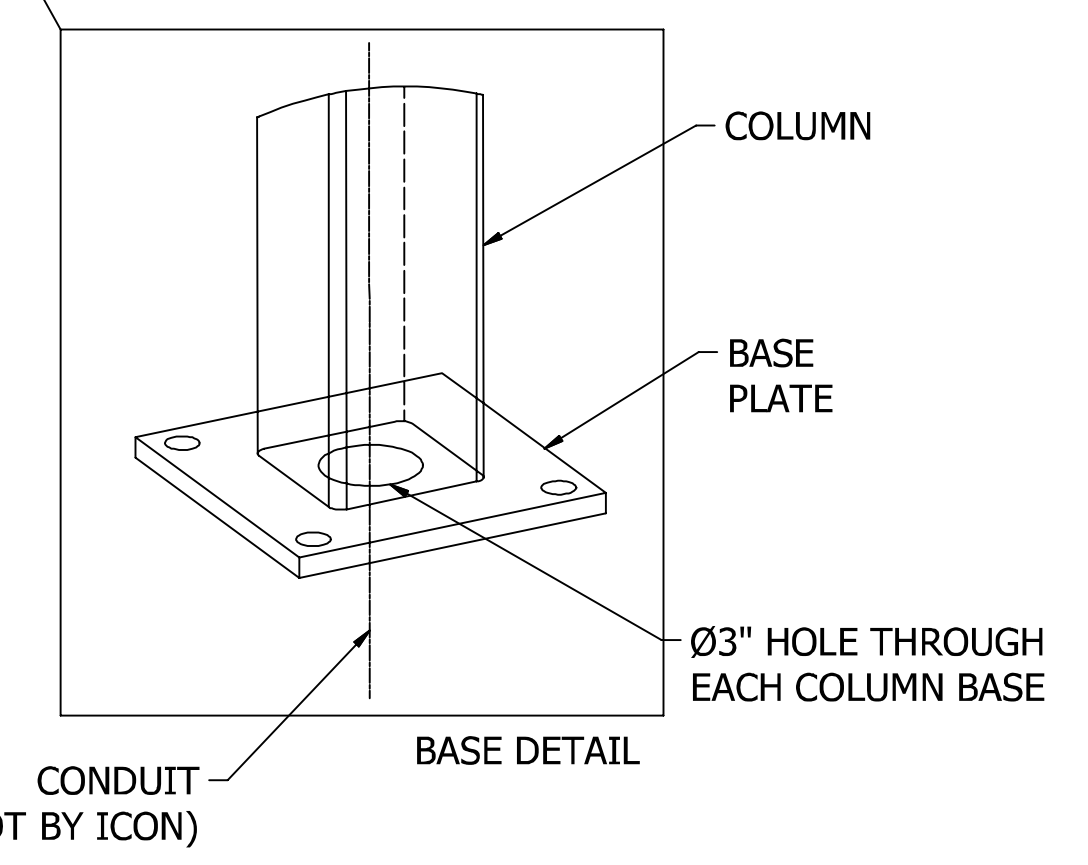
OPTIONAL EXIT HOLES
 IF REQUIRED, EXIT HOLES FOR LIGHTING, ETC. CAN BE PLACED IN THE RIDGE BEAM AND/OR CONNECTOR TUBE WITH 14ga COVER PLATE AS SHOWN (CHARGES APPLY). USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED EXIT HOLE LOCATIONS AND SIZE.



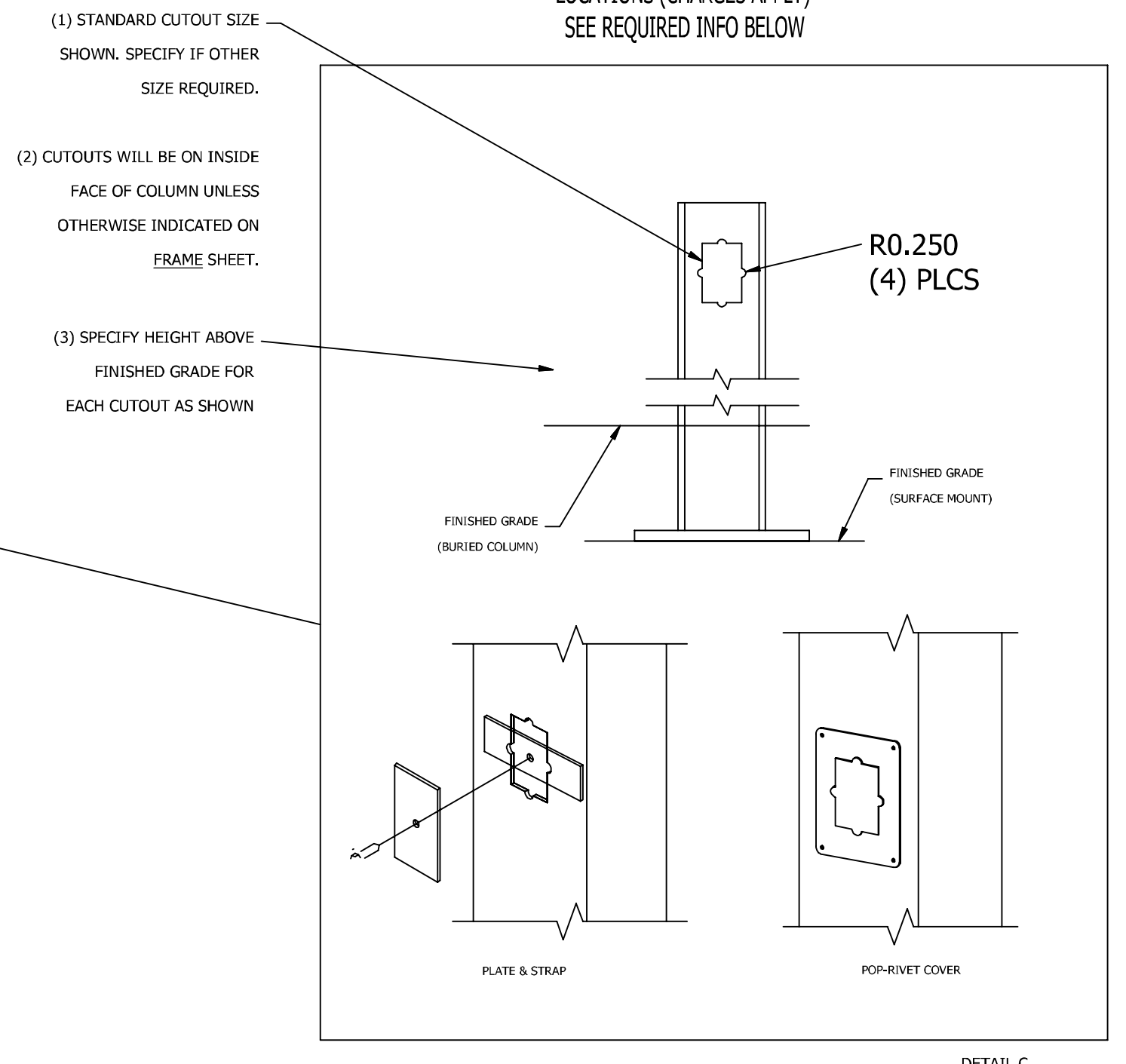
ICON PROVIDES A MINIMUM OF (1) 3/4" HOLE AT EACH CONNECTION FOR 1/2" CONDUIT. IF APPLICABLE, PLEASE SPECIFY REQUIRED CONDUIT SIZE: (CHARGES APPLY)

- 3/4" CONDUIT (1" HOLES)
- 1" CONDUIT (1 1/4" HOLES)
- OTHER (PLEASE SPECIFY)

CONDUIT PATHWAY PROVIDED FOR EACH COLUMN.



OPTIONAL CUTOUTS
 USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED CUTOUT LOCATIONS (CHARGES APPLY). SEE REQUIRED INFO BELOW



- (1) STANDARD CUTOUT SIZE SHOWN. SPECIFY IF OTHER SIZE REQUIRED.
- (2) CUTOUTS WILL BE ON INSIDE FACE OF COLUMN UNLESS OTHERWISE INDICATED ON FRAME SHEET.
- (3) SPECIFY HEIGHT ABOVE FINISHED GRADE FOR EACH CUTOUT AS SHOWN

(4) COVER PLATES PROVIDED UPON REQUEST (CHARGES APPLY). PLEASE SPECIFY TYPE AND QUANTITY REQUIRED:
 PLATE & STRAP
 POP-RIVET COVER PLATE
 HOW MANY REQUIRED? _____

NOTE: BUILDING DEPICTED ON THIS SHEET FOR ILLUSTRATION PURPOSES ONLY. ACTUAL LAYOUT AND FRAME MEMBER QUANTITIES VARY BY DESIGN. PLEASE REFER TO ELEVATION AND FRAME SHEETS IN THIS PRELIMINARY FOR ORDER-SPECIFIC CONFIGURATION.

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-20013-PC
 REVIEWED FOR
 SS PL ACS
 DATE: 08/08/2021

ELECTRICAL ACCESS

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LS5.0

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

PRINTED ON :

SHADE STRUCTURE AT ELDER CREEK ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

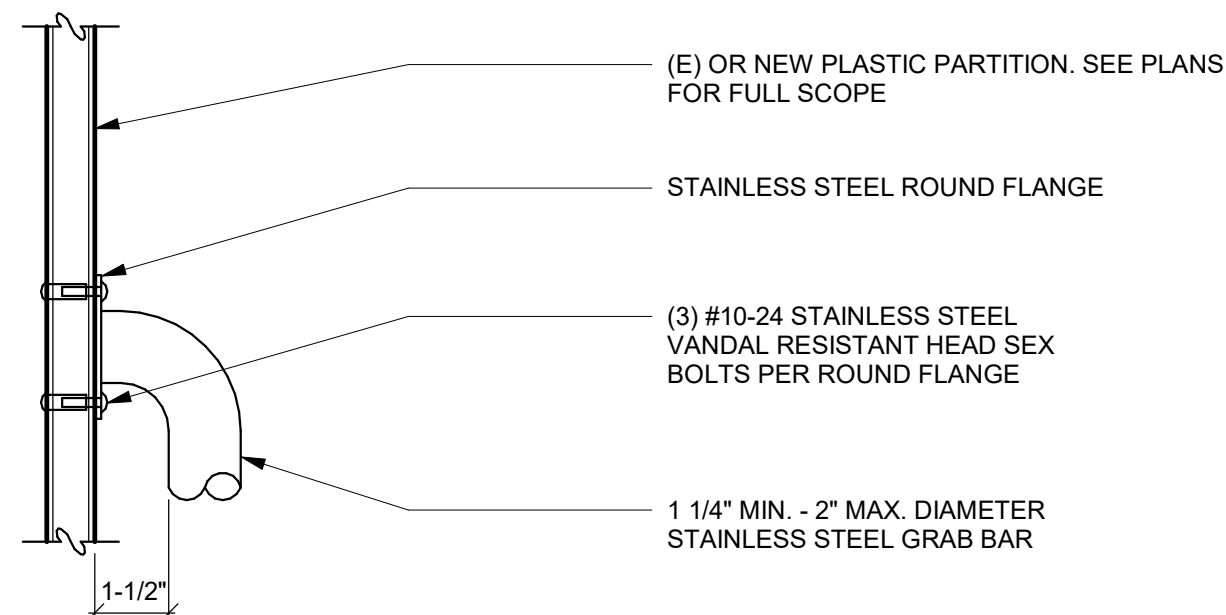
Revision

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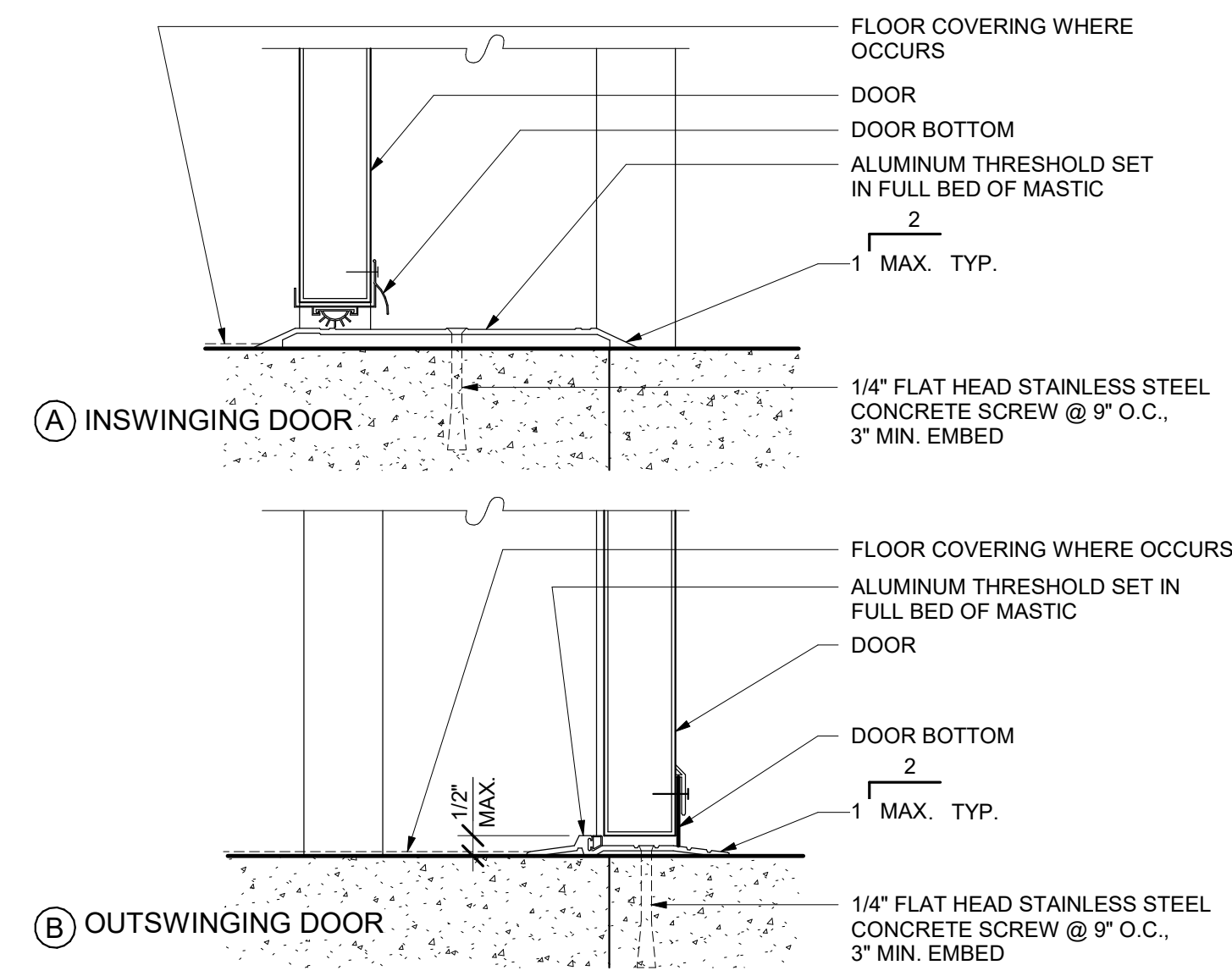
ELECTRICAL ACCESS

PROJECT NO. 1504.12
 DATE: 3/22/2022
 SHEET

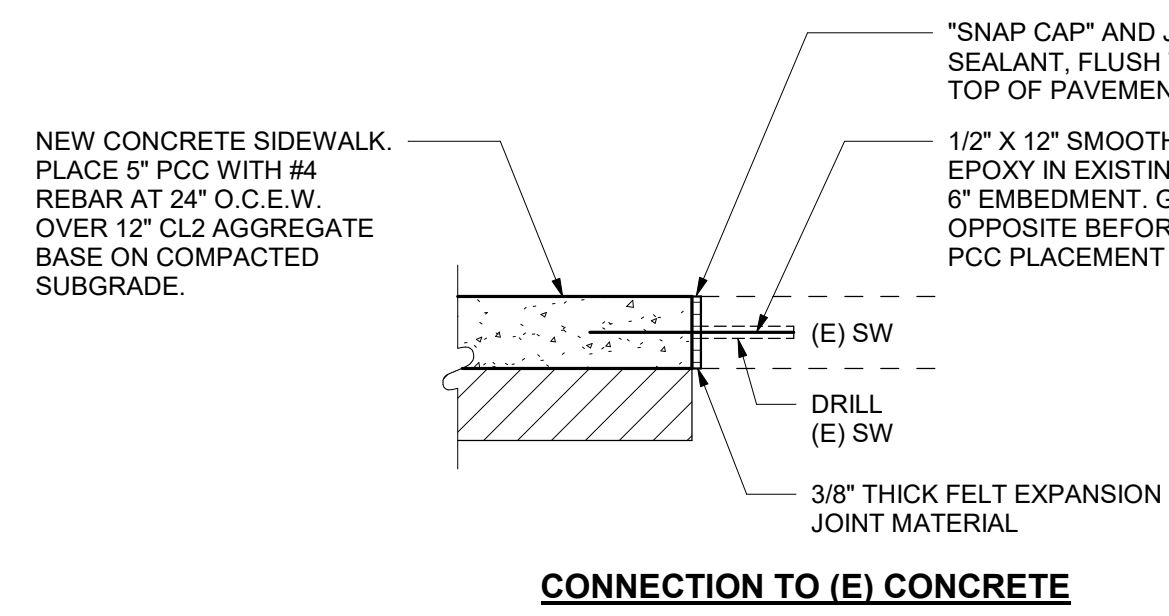
LS5.0



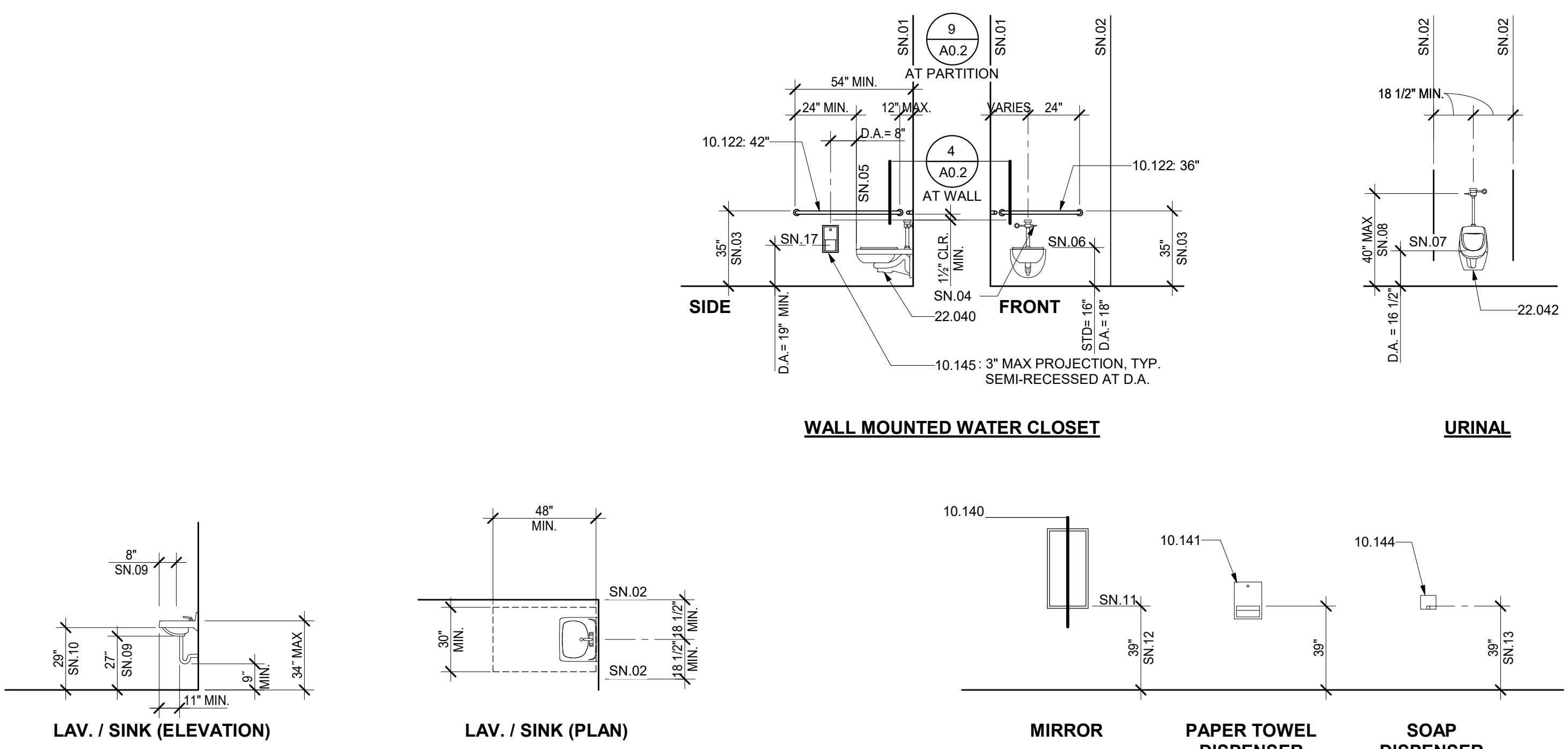
9 TYPICAL GRAB BAR AT PARTITIONS
3\"/>



10 EXTERIOR DOOR THRESHOLD
3\"/>



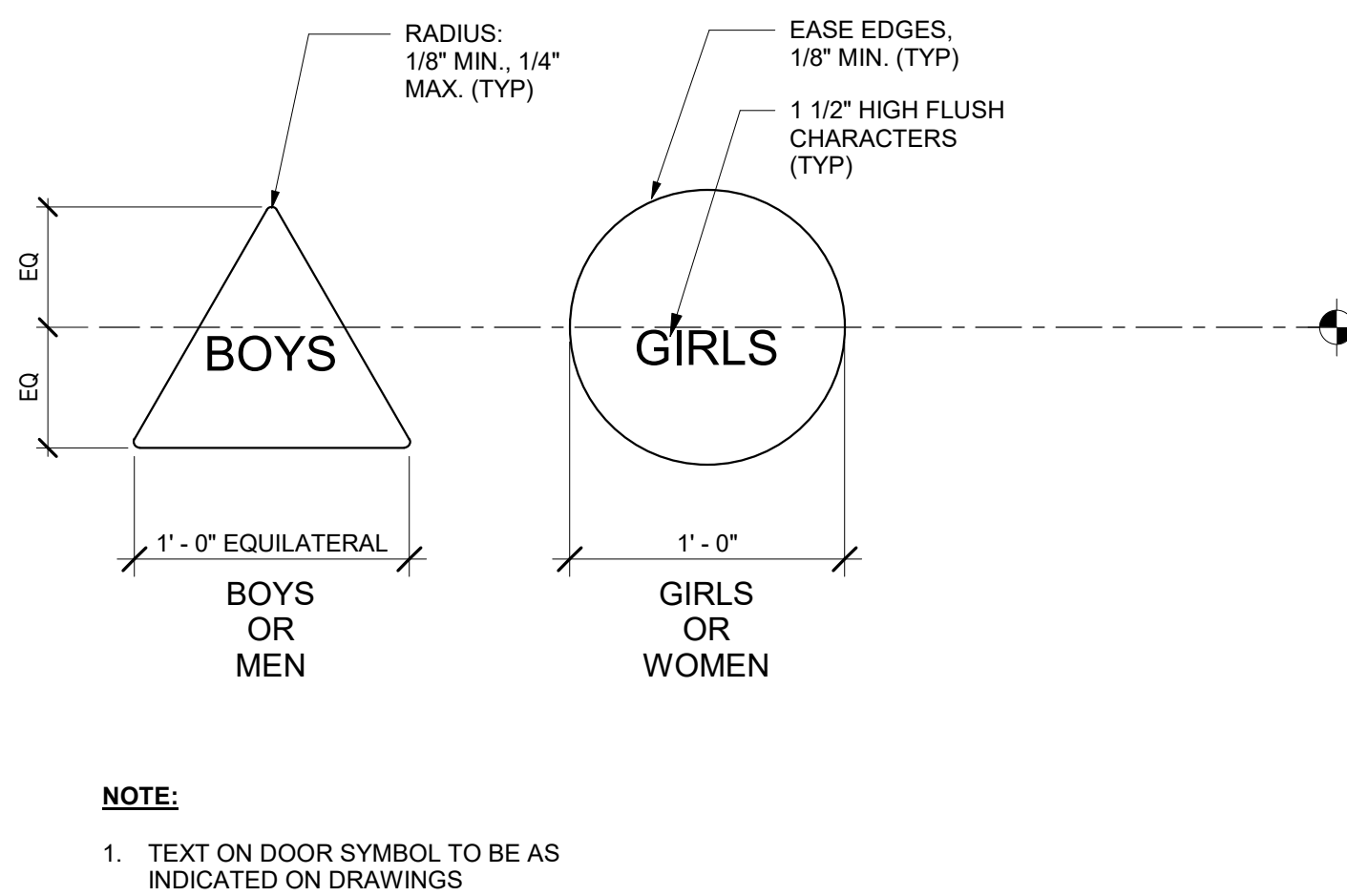
11 CONNECTION TO (E) CONCRETE
1 1/2\"/>



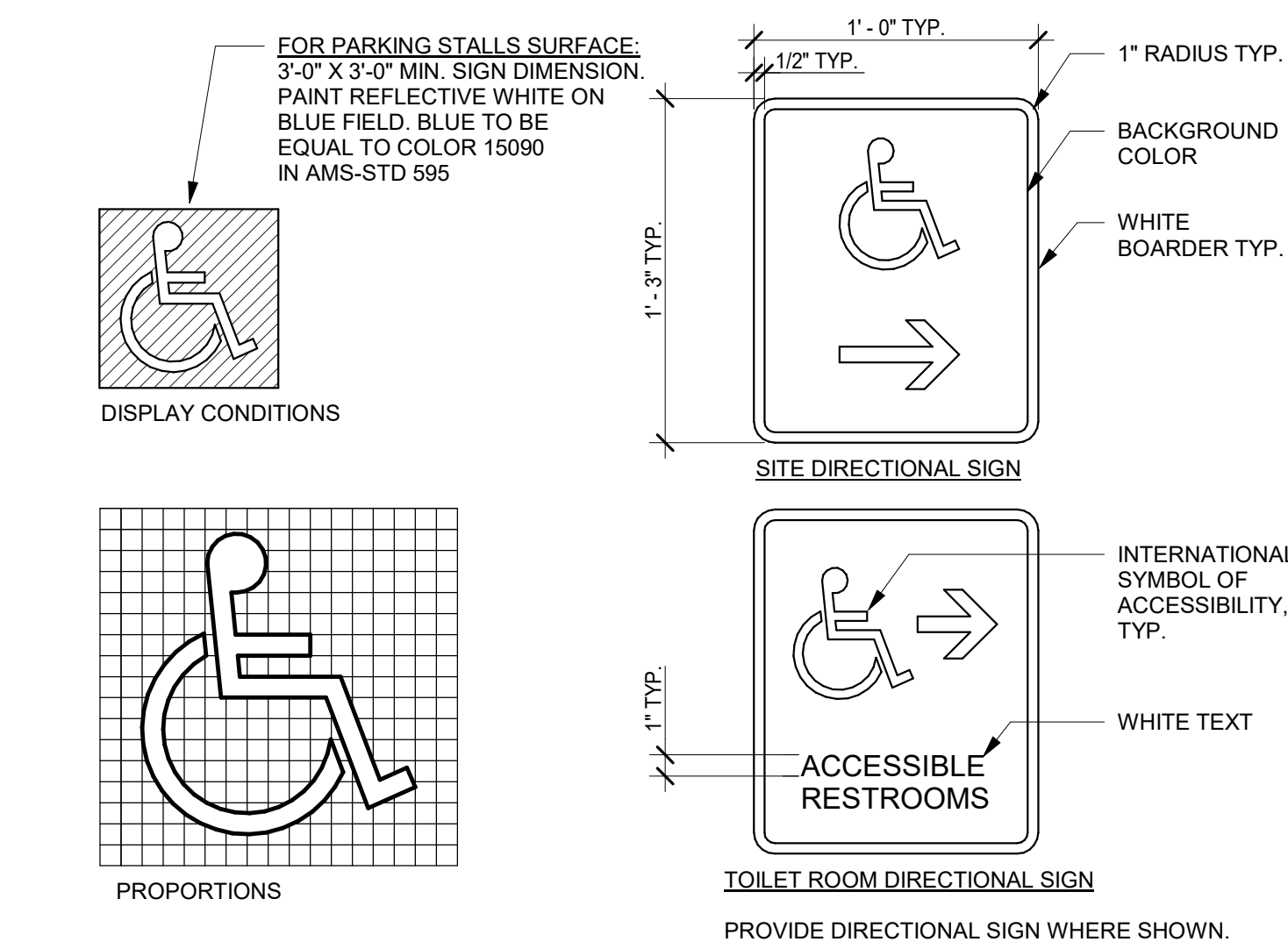
FIXTURE AND ACCESSORY HEIGHTS

FURNITURE EQUIPMENT HEIGHTS

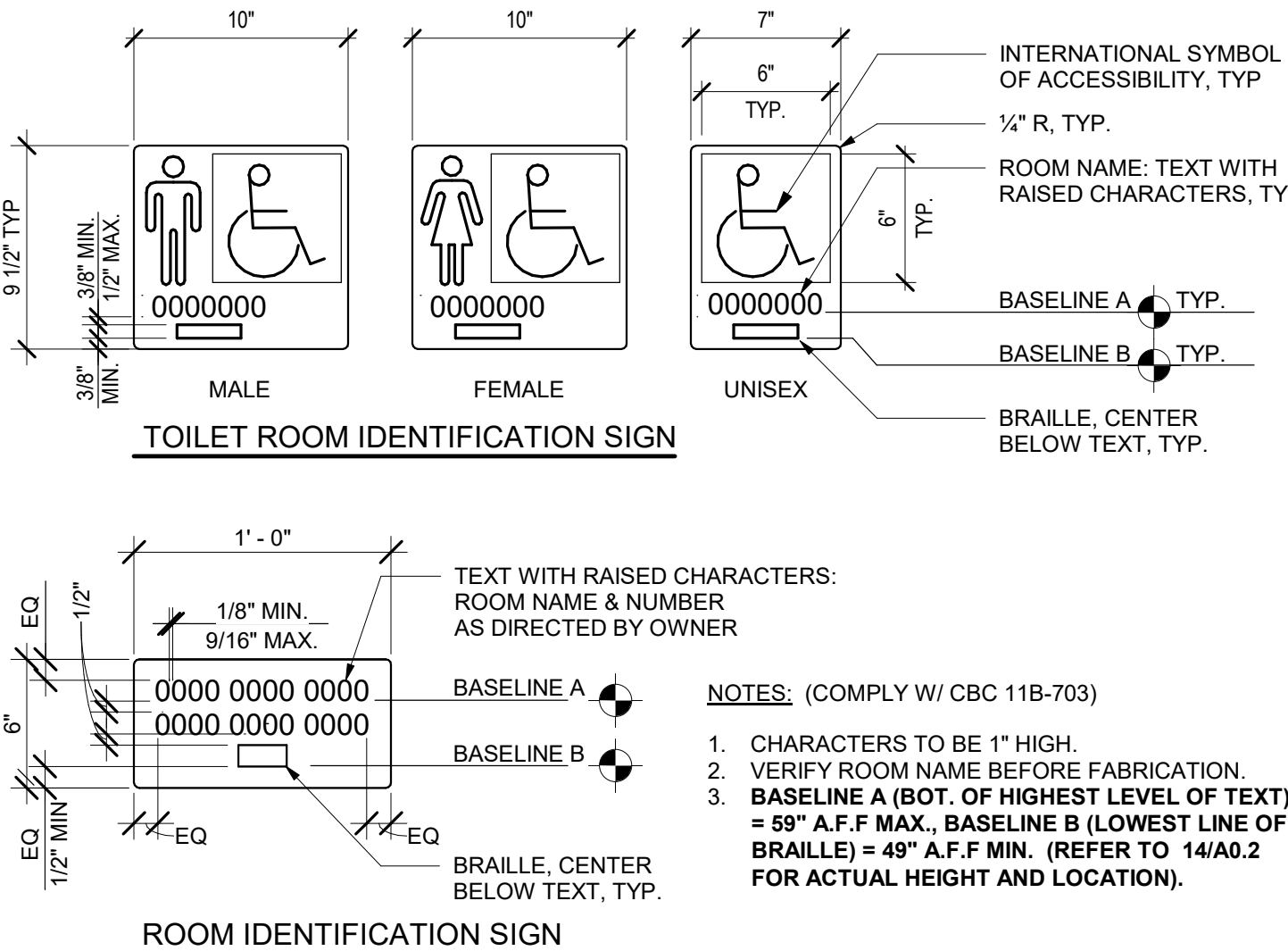
6 TYPICAL MOUNTING HEIGHTS AND DETAILS
1/4\"/>



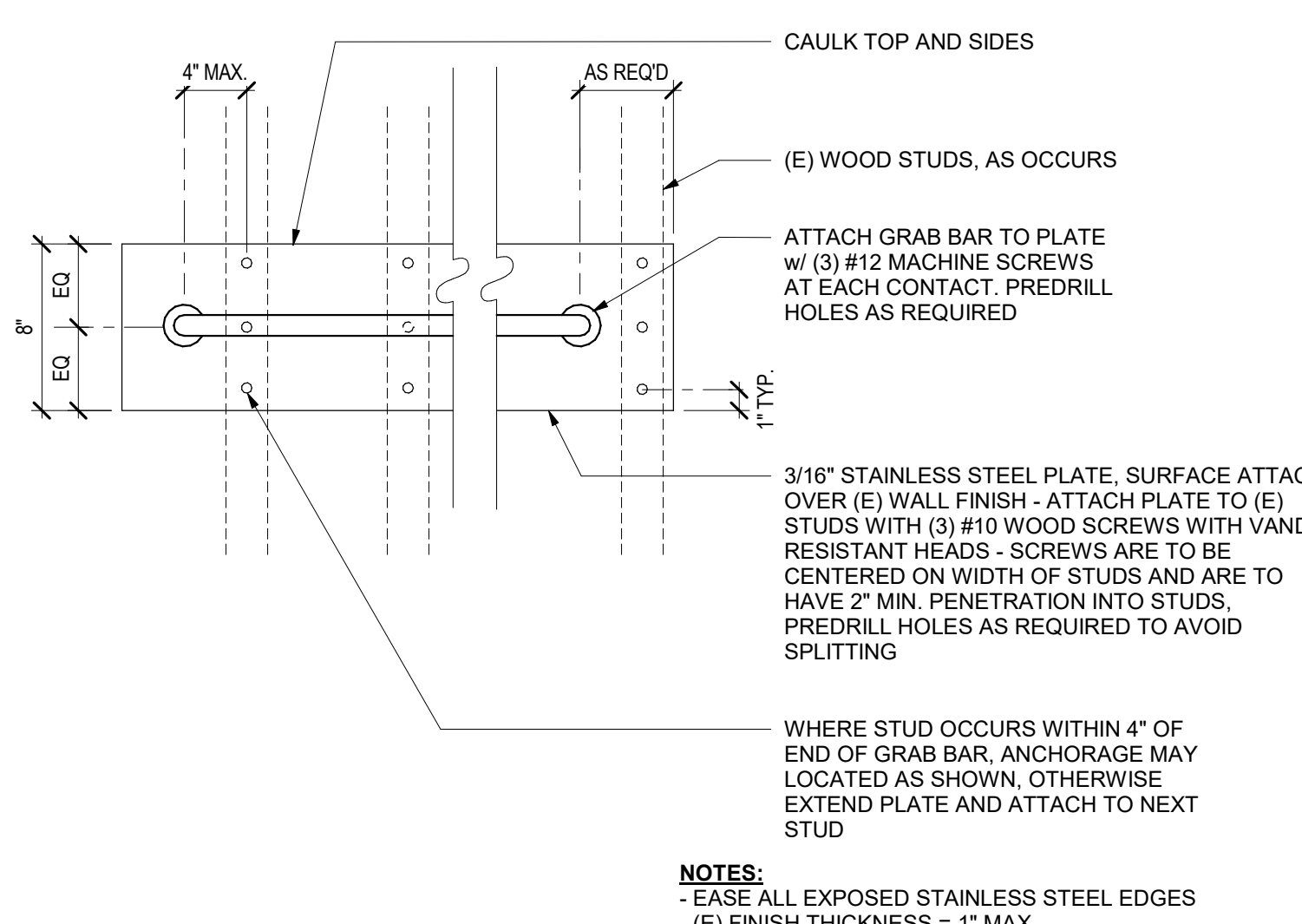
7 TOILET ROOM DOOR SYMBOLS
1 1/2\"/>



3 SYMBOL OF ACCESSIBILITY
NOT TO SCALE



8 IDENTIFICATION SIGNS
1 1/2\"/>



4 GRAB BAR - STAINLESS STEEL PLATE
1 1/2\"/>

GENERAL NOTES

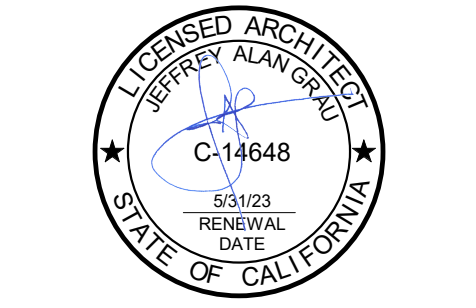
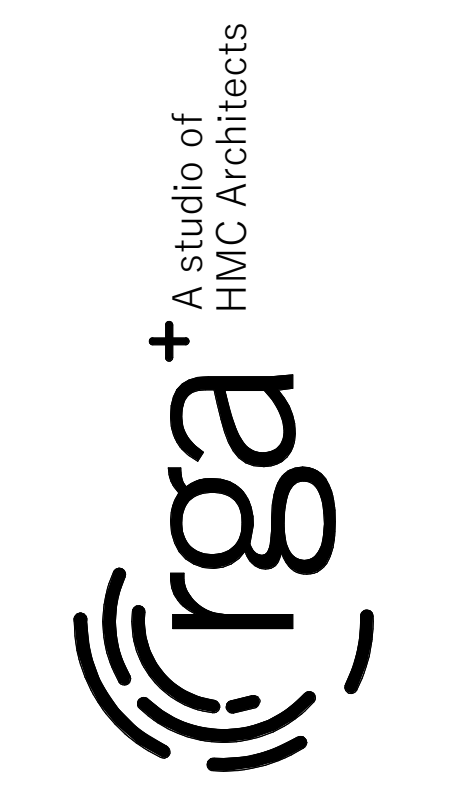
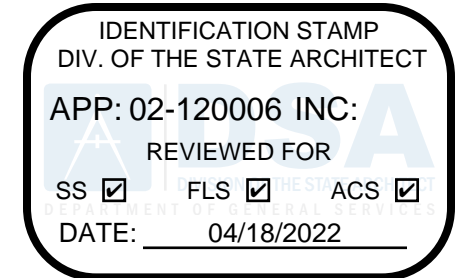
1. TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO ENTIRE PROJECT, WHETHER REFERENCED OR NOT, UNLESS OTHERWISE NOTED.
2. ALL DISABLED ACCESSIBLE DIMENSIONS, ARE MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
3. HEIGHTS ARE MEASURED FROM FINISH FLOOR, UNLESS OTHERWISE NOTED.

SHEET NOTES

- SN.01 TO FACE OF FINISH
- SN.02 FACE OF OBJECTS OR WALLS
- SN.03 TOP OF GRAB BAR
- SN.04 AT ACCESSIBLE WATER CLOSETS, FLUSH CONTROL HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET ENCLOSURE
- SN.05 FRONT EDGE OF WATER CLOSET.
- SN.06 TOP OF SEAT
- SN.07 LIP HEIGHT
- SN.08 FLUSH HANDLE HEIGHT
- SN.09 MINIMUM KNEE CLEARANCE
- SN.10 MINIMUM APRON CLEARANCE
- SN.11 BOTTOM EDGE OF REFLECTIVE SURFACE
- SN.12 34\"/>

KEYNOTES

- 10.043 SIGNAGE: TOILET ROOM IDENTIFICATION
- 10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL
- 10.122 TOILET ACCESSORY: GRAB BAR
- 10.140 TOILET ACCESSORY: MIRROR
- 10.141 TOILET ACCESSORY: PAPER TOWEL DISPENSER
- 10.144 TOILET ACCESSORY: SOAP DISPENSER
- 10.145 TOILET ACCESSORY: TOILET PAPER DISPENSER
- 22.040 WATER CLOSET
- 22.042 URINAL



SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

TYPICAL MOUNTING HEIGHTS AND DETAILS

DSA-810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION
 School District: SACRAMENTO UNIFIED SCHOOL DISTRICT
 Project name / school: MARK TWAIN SHADE STRUCTURE
 Project address: 4914 58TH STREET, SACRAMENTO, CA 95820

FIRE & LIFE SAFETY INFORMATION		ALTERNATE ACCEPTED	
1.	Has a fire hydrant flow test been performed within the past 12 months? <i>(If yes, provide a copy of the test data)</i>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3.	Is the project located within a designated fire hazard severity zone as established by Cal-Fire? <i>(If yes, indicate fire hazard zone classification below)</i>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps		Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIFA) <i>(If any designations are checked, project design must meet the requirements of CBC Chapter 7A)</i>		WIFA <input type="checkbox"/>	

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

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

Accepted by: _____ Title: _____
 Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION
 LFA Agency Name: _____
 LFA Review Official: _____
 Title: _____ Work Phone: _____
 Work Email: _____
 LFA Reviewer's Signature: _____ Date: _____

LEGEND

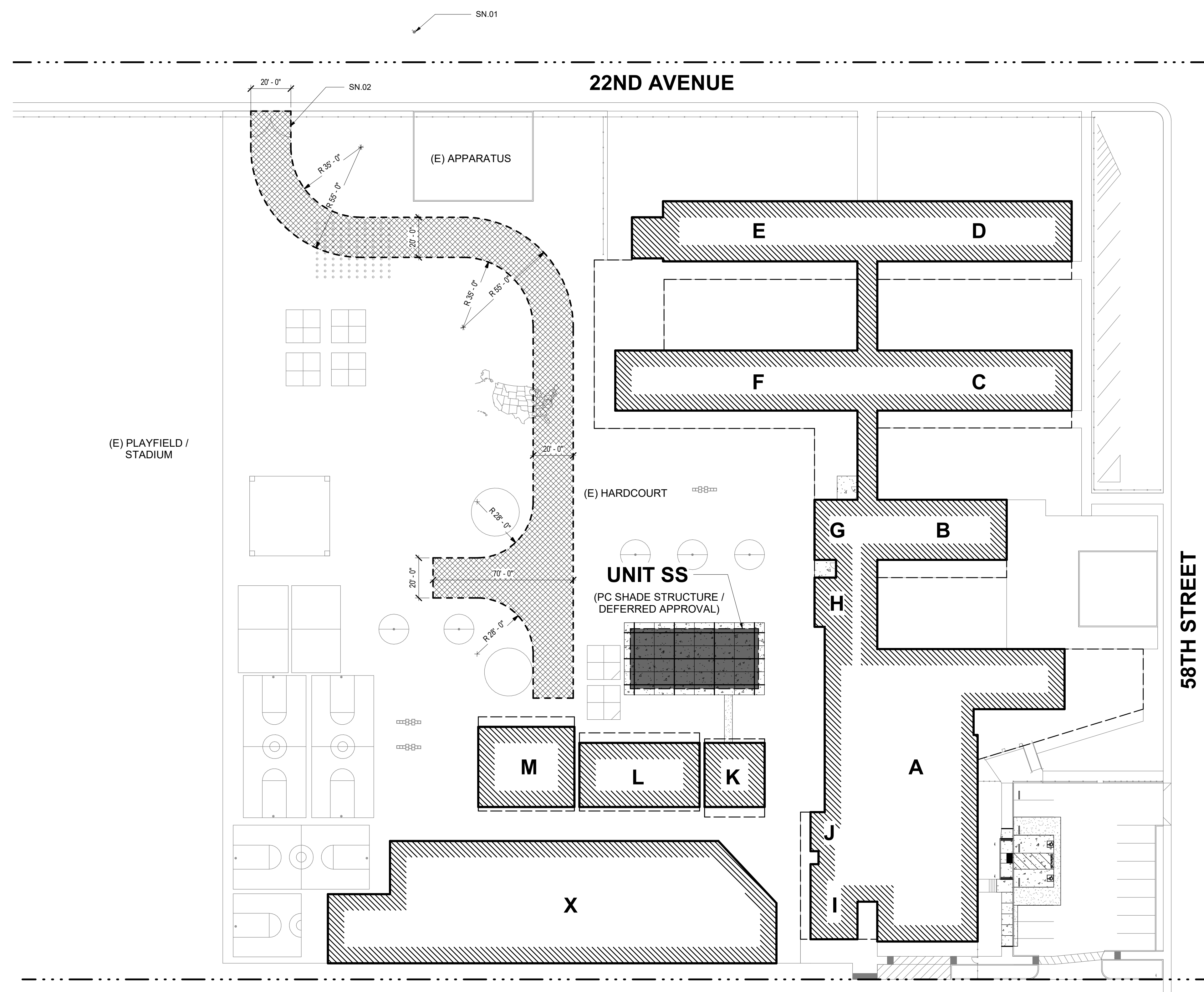
- PROPERTY LINE
- X UNIT DESIGNATION SHADE STRUCTURE
- X UNIT DESIGNATION EXISTING BUILDINGS
- [Pattern] CONCRETE WALK / PAVING
- [Pattern] ASPHALT CONCRETE PAVING
- [Pattern] (E) EMERGENCY ACCESS LANE
- [Pattern] (E) CHAIN LINK FENCE
- [Symbol] (E) FIRE HYDRANT (NTS)

SHEET NOTES

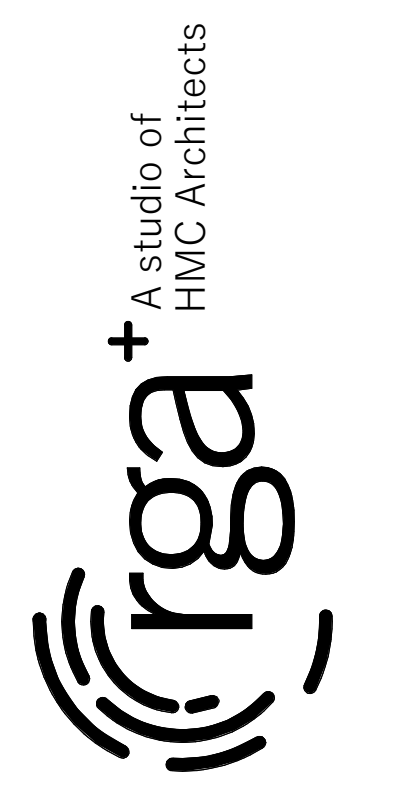
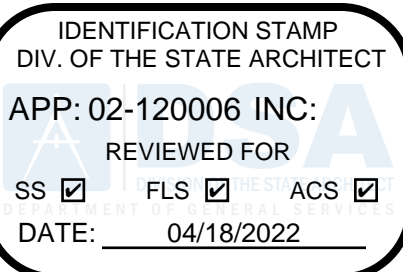
- SN.01 (E) FIRE HYDRANT
- SN.02 (E) 10'-0" WIDE GATES WITH KNOX LOCK BOX

BUILDING DESIGNATIONS

- UNIT A - ADMINISTRATION AND MULTI-PURPOSE
- UNIT B - CLASSROOMS
- UNIT C - CLASSROOMS
- UNIT D - CLASSROOMS
- UNIT E - CLASSROOMS
- UNIT F - CLASSROOMS
- UNIT G - TOILET ROOMS
- UNIT H - MECH/ELECTRICAL
- UNITS I - J - TEACHER FACILITIES
- UNIT K - CLASSROOMS
- UNIT L - CLASSROOMS
- UNIT M - CLASSROOMS
- UNIT X - BUILDING BELONGS TO SEPARATE SITE



1 LOCAL FIRE AUTHORITY SITE PLAN
 1" = 30'-0"



SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

Revision

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LOCAL FIRE AUTHORITY SITE PLAN

SEE OTHER SHEETS FOR CONSTRUCTION

THIS PLAN INCLUDES INFORMATION FOR LOCAL FIRE AUTHORITY APPROVAL ONLY. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION DETAILS.

PROJECT NO. 1504.14
 DATE: 3/22/2022
 SHEET **A0.7**

EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- ⊙ = PROPERTY CORNER FOUND AS NOTED
- ⊙ = PROPERTY CORNER NOTHING FOUND OR SET
- △123 = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- ⊙ = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- 100 = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- ⊙ = SIGN
- ⊙ = POST OR BOLLARD
- 99.99 = GROUND ELEVATION
- 99.99 = 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)
- ⊙ = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- = AREA DRAIN
- = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- ⊙ = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- W--- = WATER LINE (SIZE INDICATED)
- W--- = WATER LINE (RECORD INFORMATION)
- W--- = WATER LINE (UNDERGROUND LOCATING)
- ⊙ = WATER MANHOLE
- ⊙ = WATER VALVE
- ⊙ = WATER METER
- ⊙ = WATER BOX
- = IRRIGATION CONTROL VALVE
- ⊙ = FIRE HYDRANT
- OH-E--- = OVERHEAD ELECTRIC LINE
- E--- = UNDERGROUND ELECTRIC LINE
- E--- = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E--- = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ⊙ = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- ⊙ = ELECTRIC METER
- ⊙ = ELECTRIC BOX
- ⊙ = STREET LIGHTING BOX
- ⊙ OR ⊙ = LIGHT STANDARD
- ⊙ = SIGNAL LIGHT
- ⊙ = FLOOD LIGHT
- = ELECTRICAL OUTLET
- G--- = GAS LINE (SIZE INDICATED)
- G--- = GAS LINE (RECORD INFORMATION)
- G--- = GAS LINE (UNDERGROUND LOCATING)
- ⊙ = GAS MANHOLE
- ⊙ = GAS VALVE
- ⊙ = GAS METER
- T--- = TELEPHONE LINE
- T--- = TELEPHONE LINE (RECORD INFORMATION)
- T--- = TELEPHONE LINE (UNDERGROUND LOCATING)
- ⊙ = STORM DRAIN BOX
- ⊙ = TRAFFIC SIGNAL BOX

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEV.
3	OPS CHISELED "+"	8109.58	10070.07	28.46
5	OPS CHISELED "+"	8193.02	10027.62	28.73
11	OPS MAG NAIL	8235.09	9833.67	31.24
12	OPS MAG NAIL	8284.54	9606.66	30.00
13	OPS MAG NAIL	8296.89	9831.13	31.52
18	OPS CHISELED "+"	8496.69	9596.85	29.52
19	OPS MAG NAIL	7913.15	10003.43	29.11
27	OPS CHISELED "+"	7903.10	9892.93	30.44
29	OPS CHISELED "+"	7898.54	9688.11	30.36
40	OPS CHISELED "+"	8208.18	9853.02	31.82
41	OPS CHISELED "+"	8308.27	9869.43	31.74
42	OPS CHISELED "+"	8306.75	9749.90	31.59
43	OPS CHISELED "+"	8381.71	9745.70	31.66
44	OPS CHISELED "+"	8437.79	9549.21	29.76
45	OPS CHISELED "+"	8210.96	9551.62	29.24
46	OPS CHISELED "+"	8076.17	9556.66	29.20
48	OPS CHISELED "+"	8009.88	9603.58	29.51
49	OPS CHISELED "+"	7995.03	10007.46	29.50
50	OPS CHISELED "+"	7988.32	9880.66	29.84

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 RIGGING VALVE
 - ASB AGGREGATE SUB-BASE
 - BO BLOW-OFF VALVE
 - BV BUTTERFLY VALVE
 - BW BACK OF WALK
 - C/L CENTERLINE
 - CB CATCH BASIN
 - CL CLASS
 - CM CORRUGATED METAL PIPE
 - CA CABLE TELEVISION
 - CATV CLEANOUT
 - COMM COMMUNICATION
 - CONC. CONCRETE
 - CONSTR. 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
 - EW EASEMENT
 - 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
 - GR GRATE ELEVATION
 - GRD GRADE ELEVATION
 - GV GATE VALVE
 - HB HOSE BIBB
 - HBD HEADER BOARD
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - HP HIGH POINT
 - HW PIPE INVERT ELEVATION
 - JP JOINT UTILITY POLE
 - LF LINEAL FEET
 - LIP LIP OF GUTTER
 - LT LEFT
 - MS MOWSTRIP
 - NTS NOT TO SCALE
 - OH OVERHEAD
 - PC PORTLAND CEMENT CONCRETE
 - PD PLANTER DRAIN
 - PV POST INDICATOR VALVE
 - P/L PROPERTY LINE
 - PP POWER POLE
 - PUE PUBLIC UTILITY EASEMENT
 - PVC POLYVINYL CHLORIDE
 - RCP REINFORCED CONCRETE PIPE
 - R RADIUS
 - RM MANHOLE RIM ELEVATION (SOLID COVER)
 - RP REDUCED PRESSURE BACKFLOW PREVENTER
 - RT 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
 - TELEPHONE 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/W WITH
 - W/O WITHOUT
 - WW WATER VALVE
- LEGEND**
- NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.
- PROPOSED GRADING & DRAINAGE SYMBOLS:**
- 8" SD 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
 - 99.99 ELEVATION
 - FF=100.00 FINISHED FLOOR ELEVATION
 - PAD=99.33 BUILDING PAD ELEVATION
 - CONCRETE SIDEWALK
 - GRADED DIRECTION FOR DRAINAGE FLOW
 - SWALE
 - SLOPE
 - ⊙ TREE TO BE REMOVED
 - RETAINING WALL
- PROPOSED SANITARY SEWER SYMBOLS:**
- 8" SS SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
 - SANITARY SEWER MANHOLE (SSMH)
 - SEWER CLEANOUT FLUSHER BRANCH
- PROPOSED WATER SYMBOLS:**
- 8" W WATER LINE & SIZE
 - 8" FS FIRE LINE & SIZE
 - 8" DW DOMESTIC WATER LINE & SIZE
 - 8" RW RECLAIMED WATER LINE & SIZE
 - 8" IRR IRRIGATION SERVICE LINE & SIZE
 - 8" NP NON POTABLE WATER LINE & SIZE
 - 8" SP FIRE SPRINKLER SERVICE LINE & SIZE
 - GATE VALVE
 - WATER METER
 - FIRE HYDRANT ASSEMBLY
 - FIRE DEPARTMENT CONNECTION
 - DETECTOR CHECK VALVE
 - REDUCED PRESSURE BACKFLOW PREVENTER
 - BUTTERFLY VALVE
 - AIR RELEASE VALVE + SIZE
 - BLOW-OFF VALVE + SIZE
 - POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

- 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.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- 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 TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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.
- 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.

UTILITY VERIFICATION NOTE

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.

IRRIGATION DEMOLITION NOTE

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.

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. IF 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 ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S 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 CLEAR EDGE REMAINS FOR PATCH BAG. 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 "TTEE" 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 ADDITIONAL SCORE OR EXPANSION JOINTS 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 CONTRACTION/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 SCORED 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 HYDRO SEEDED 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.

GENERAL PAVING SURFACE NOTES:

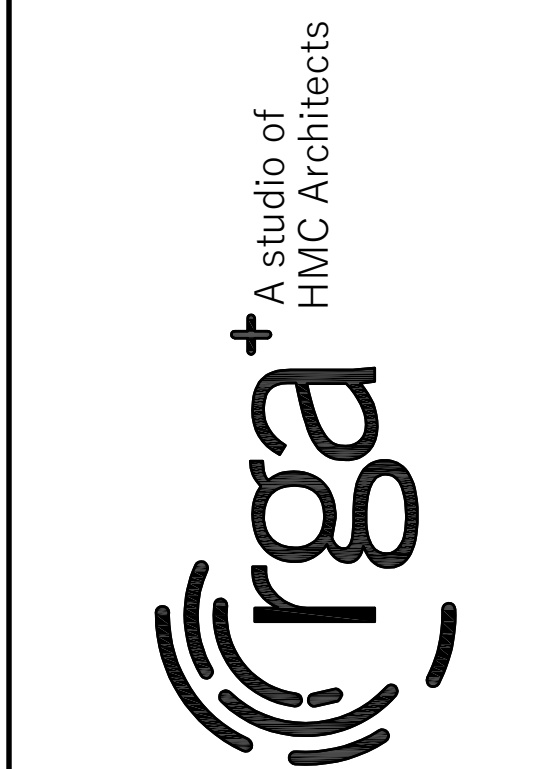
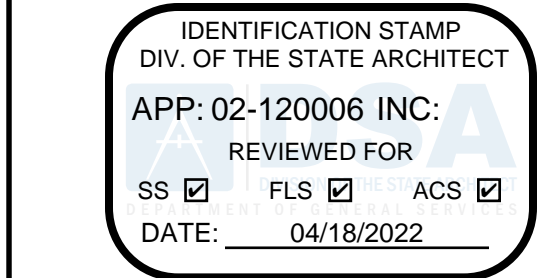
- PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% UNLESS SPECIFICALLY LABELLED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

CIVIL SHEET INDEX

- C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
- C1.1 DEMOLITION PLAN
- C2.1 GRADING AND PAVING PLAN
- C3.1 DETAILS AND SECTIONS

LANDSCAPE/IRRIGATION NOTE:

GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.

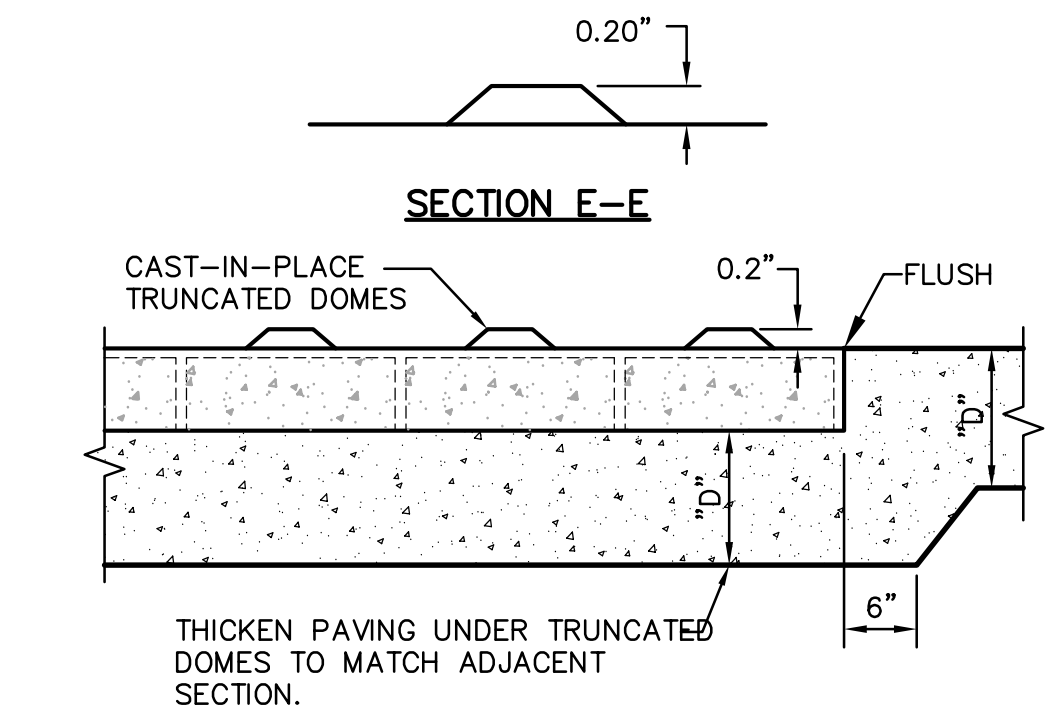
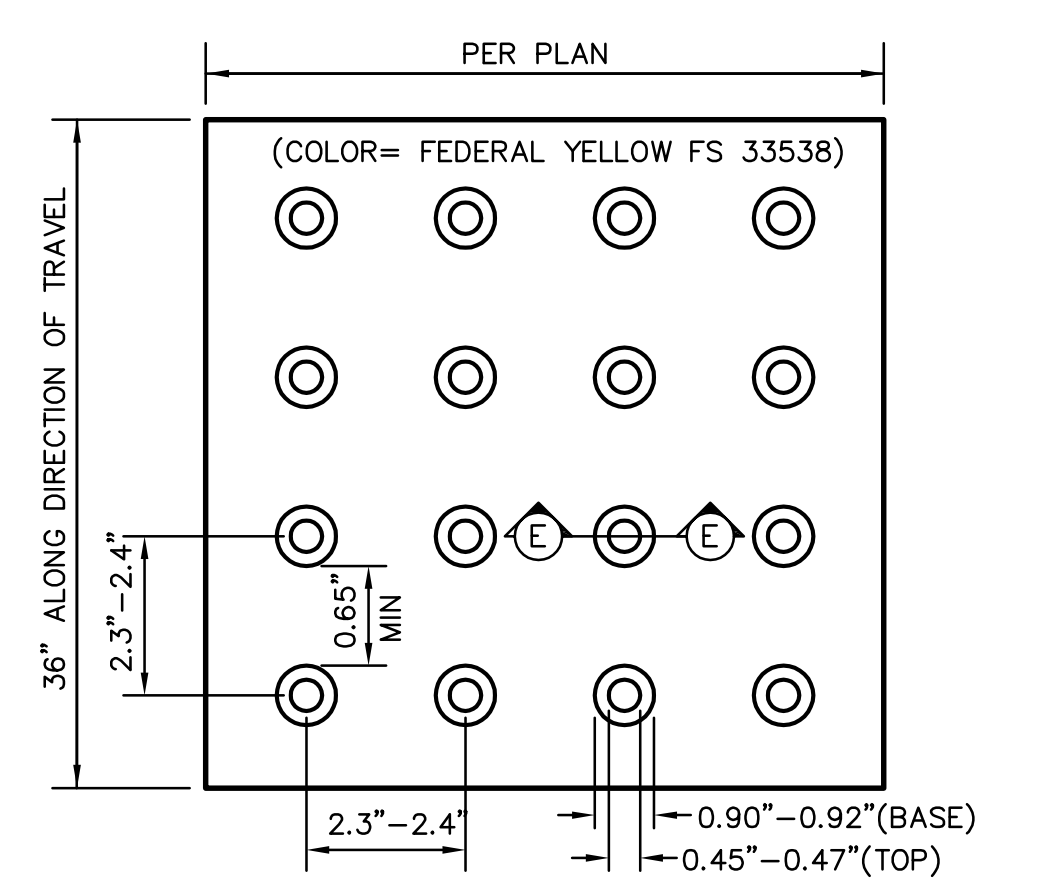


SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

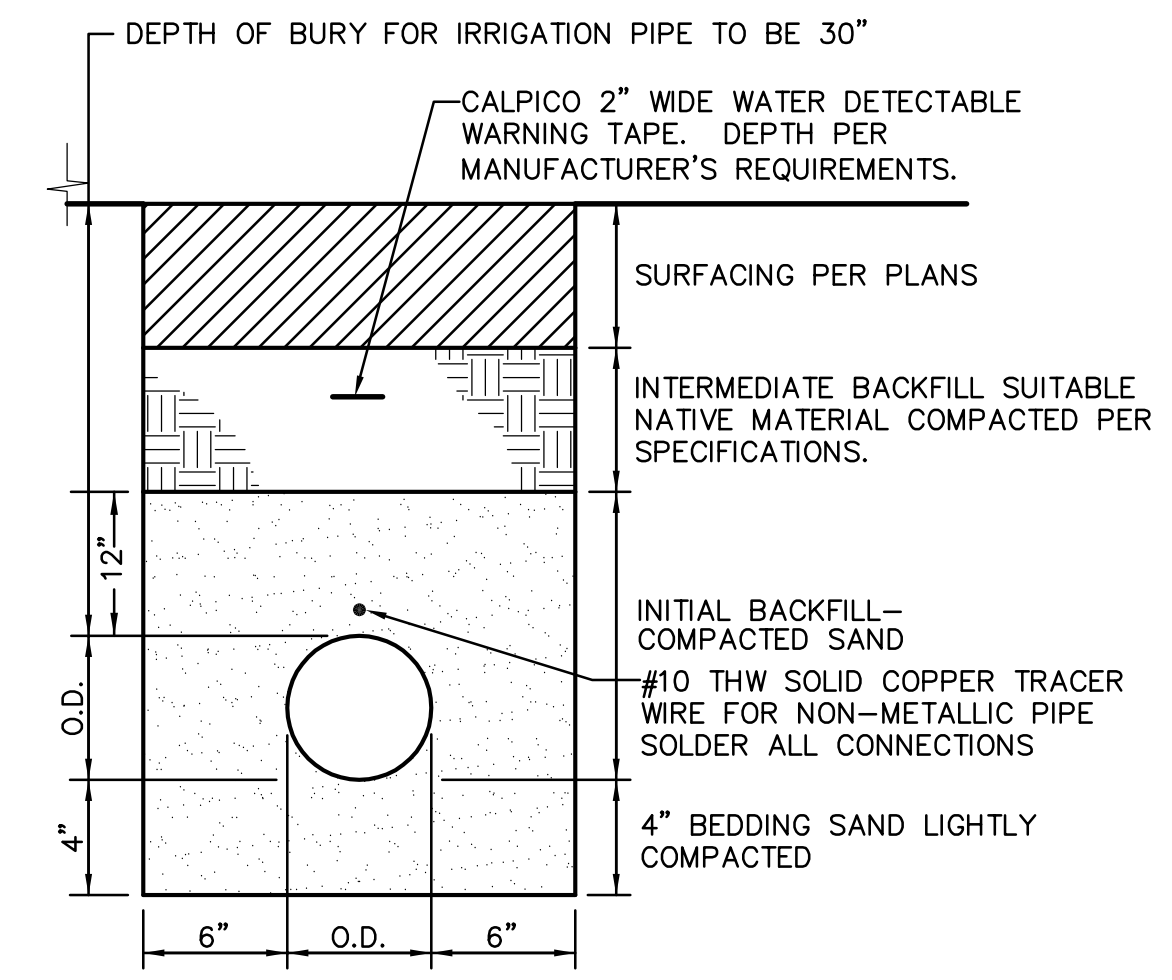
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CIVIL GENERAL NOTES AND ABBREVIATIONS

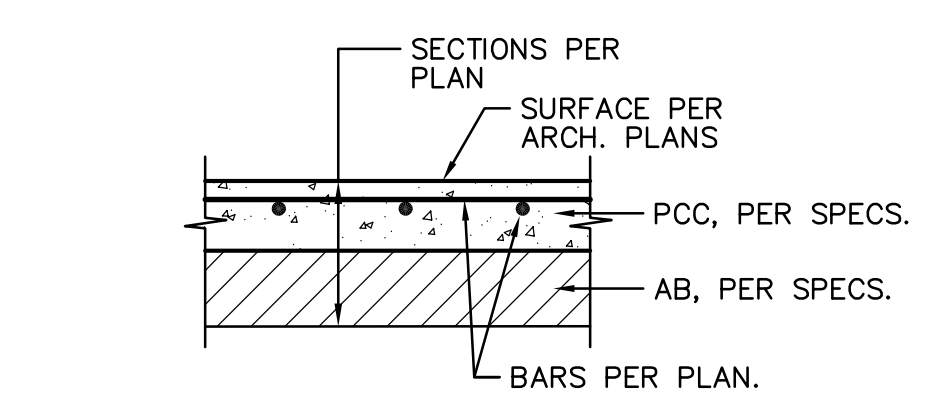
PROJECT NO. 1504.14
DATE: 4/18/2022
SHEET C0.1



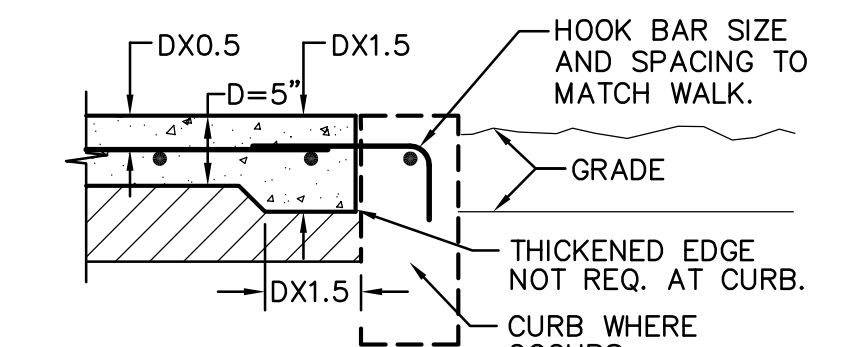
4 TRUNCATED DOMES
 C3.1 NO SCALE



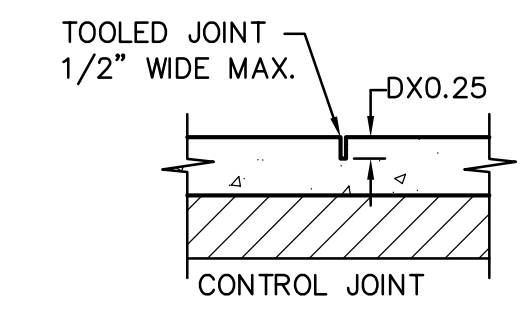
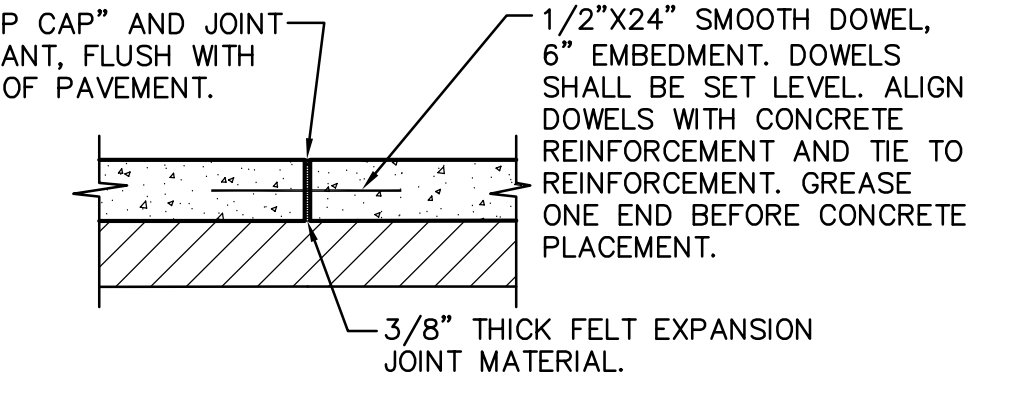
5 WATER TRENCH
 C3.1 NO SCALE



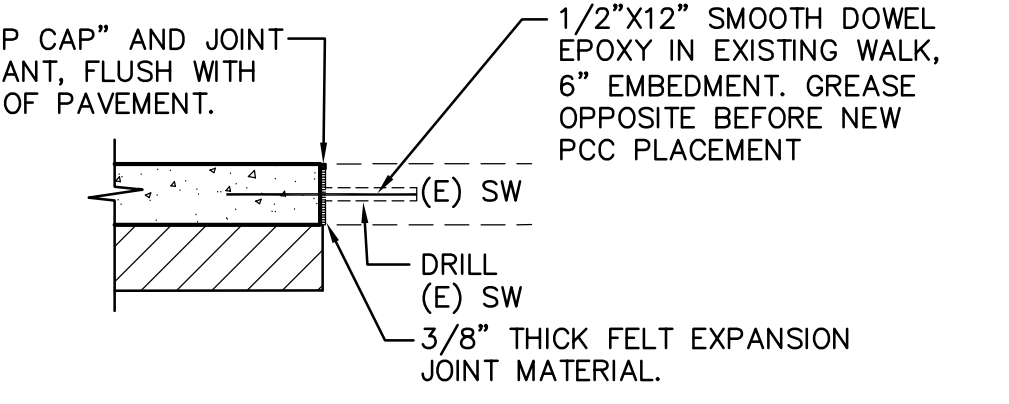
TYPICAL SECTION



TYPICAL THICKENED EDGE



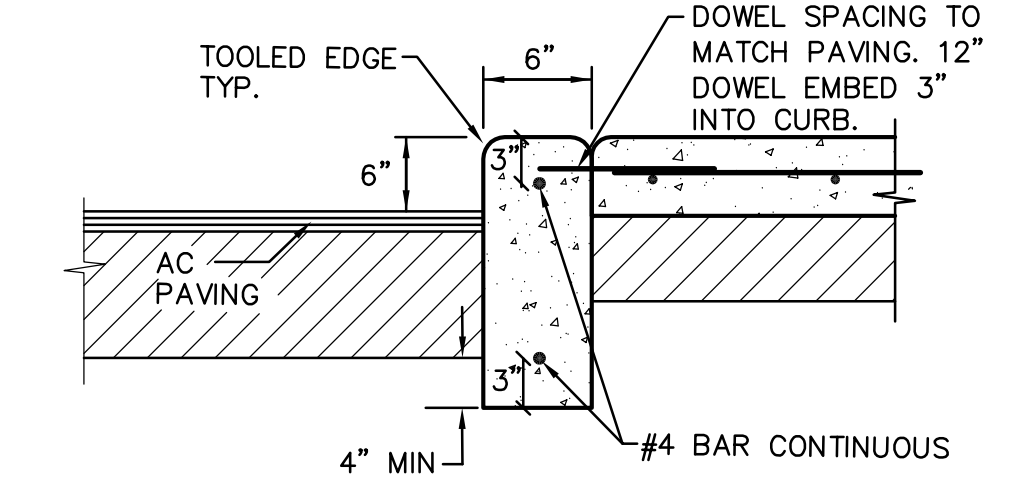
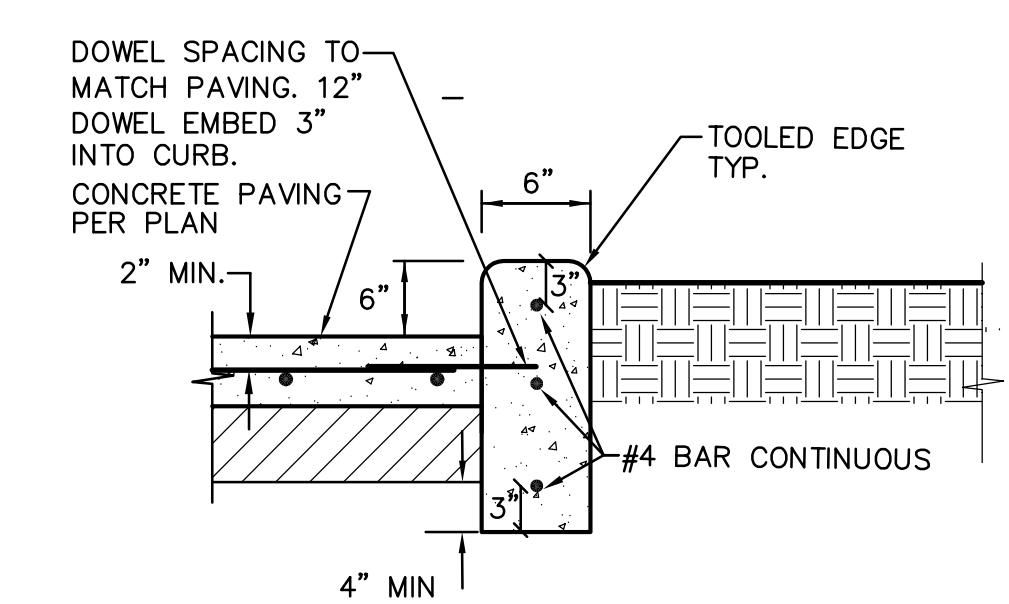
TYPICAL JOINTS



CONNECTION TO (E) CONCRETE

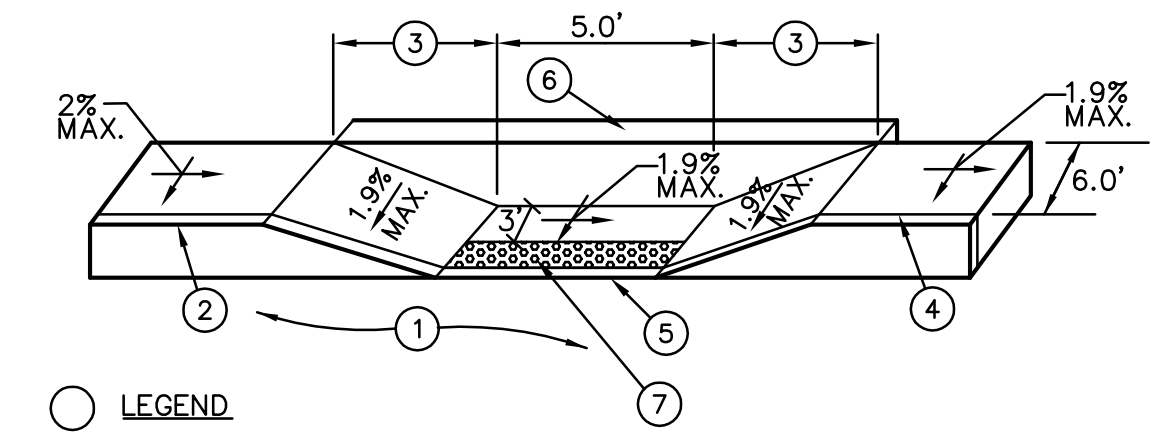
- NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MIN.
 2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MIN.
 3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 CONCRETE SIDEWALK
 C3.1 NO SCALE



- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 2. AT E.J. USE 1/2" X 24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 CONCRETE CURB
 C3.1 NO SCALE

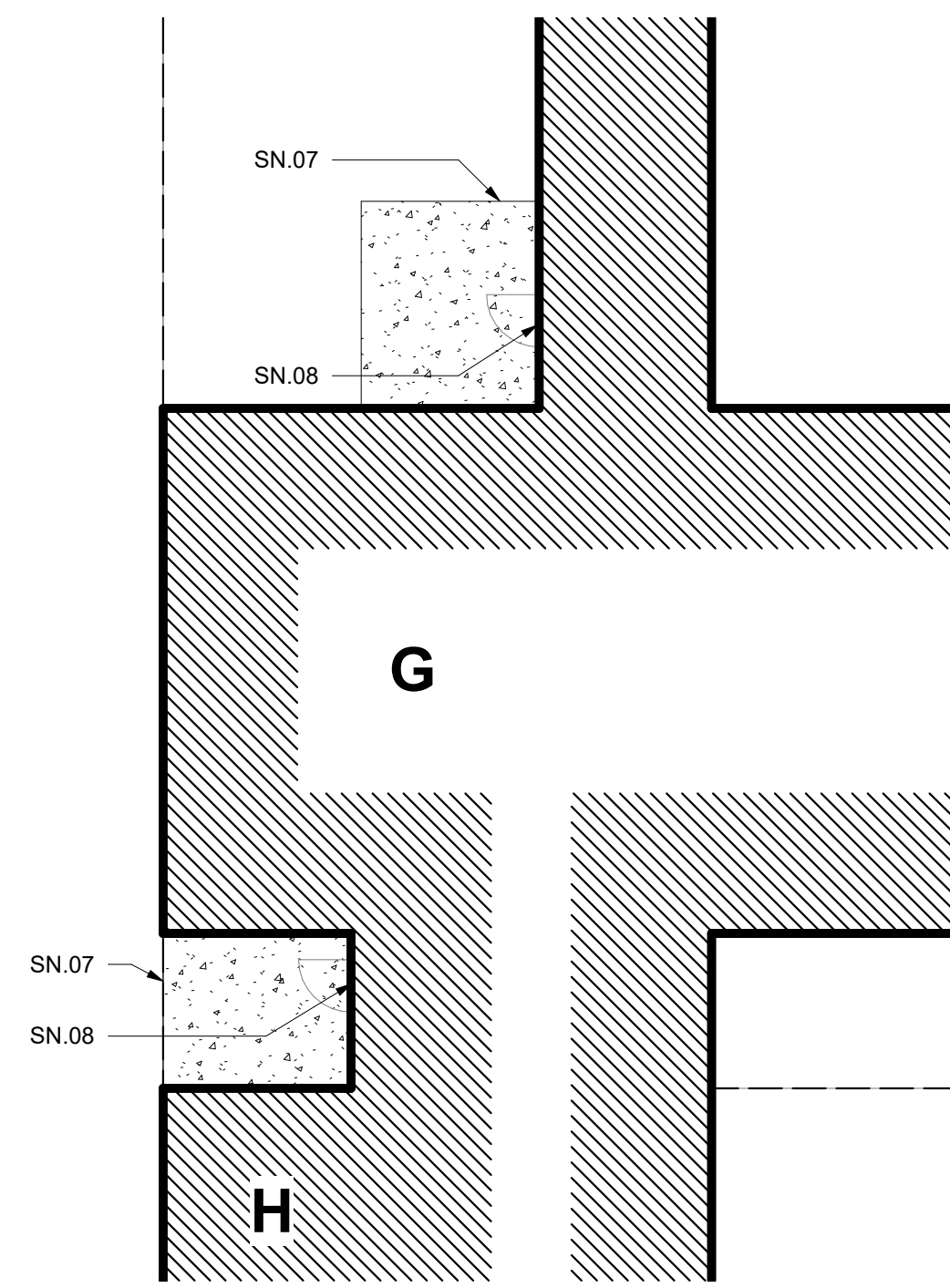


LEGEND

1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE, 2% MAX CROSS SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.8.
6. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS 2 INCHES MAXIMUM ON EACH SIDE PER 11B-705.1.2.2.

3 ACCESSIBLE CURB RAMP
 C3.1 NO SCALE

4 C3.1



2 (E) DRINKING FOUNTAIN
NOT TO SCALE

3 ENLARGED PLAN - P.O.T.
1" = 10'-0"

PROPOSED SHADE STRUCTURE						
UNIT	DESCRIPTION	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA (TABLE 506.2)	ACTUAL AREA	OCCUPANCY CALCULATION
SS	SHADE STRUCTURE	A-3	II-B NON-SPRINKLERED	6,000 S.F.	1,920 S.F.	1,920 S.F. / 15 NET = 128 OCC.

EXISTING BUILDING DESIGNATIONS				
UNIT	DESCRIPTION	DSA APPLICATION #	AREA (SF)	NOTES
A	MULTI-PURPOSE, ADMIN., CLASSROOMS	6936, 15440	10,779	
B	CLASSROOMS	6936	1,930	
C	CLASSROOMS	6936	2,890	
D	CLASSROOMS	6936	2,890	
E	CLASSROOMS	6936	2,890	
F	CLASSROOMS	6936	3,610	
G	TOILET ROOMS	6936, THIS APPLICATION	630	
H	MECH. / ELECTRICAL	6936	557	
I-J	TEACHER FACILITIES	11292, THIS APPLICATION	2,020	
K	RELOCATABLE CLASSROOMS	53491	960	
L	RELOCATABLE CLASSROOMS	-	1,920	
M	RELOCATABLE CLASSROOMS	-	1,920	

LEGEND

- - - - - PROPERTY LINE
- [X] UNIT DESIGNATION
PC SHADE STRUCTURE / DEFERRED APPROVAL
- [Hatched] UNIT DESIGNATION
EXISTING BUILDINGS
- [Dashed] EXPANSION JOINT
- [Grid] CONCRETE WALK / PAVING CONTROL JOINT
- [Stippled] ASPHALT CONCRETE PAVING

ACCESSIBLE PATH OF TRAVEL

- SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2" ONLY. ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:1. UNIT VERTICAL TO 2 UNITS HORIZONTAL.
- WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATINGS WHICH OCCUR WITHIN THE P.O.T. SHALL HAVE OPENINGS WHICH DO NOT EXCEED 1/2" IN THE DIRECTION OF TRAVEL PER CBC SECTION 11B-302.3.
- AN ABRUPT DROP-OFF CHANGE IN ELEVATION AT THE EDGE OF ANY WALK INTO AN ADJACENT PLANTER SHALL NOT EXCEED 4".
- SLOPES IN THE DIRECTION OF THE P.O.T. GREATER THAN 1:1 UNIT VERTICAL TO 20 UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 11B-506. SLOPES IN THE DIRECTION OF THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES IN THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 2%.
- ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF 5% OR LESS SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A LIGHT BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 5% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH.
- OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE WITHIN THE P.O.T. PER CBC SECTION 11B-307.
- PASSING SPACES (11B-403.5.3) OF 60" X 60" MIN. ARE LOCATED NOT MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE 60" IN LENGTH LEVEL RESTING AREAS (11B-403.7) NOT MORE THAN 400' APART. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN (11B-307.4) AND FREE OF PROTRUDING OBJECTS (11B-307) GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE REQUIRED FOR ACCESSIBLE ROUTES (11B-307.5).

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT:

- HAVE BEEN IDENTIFIED AND
- THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

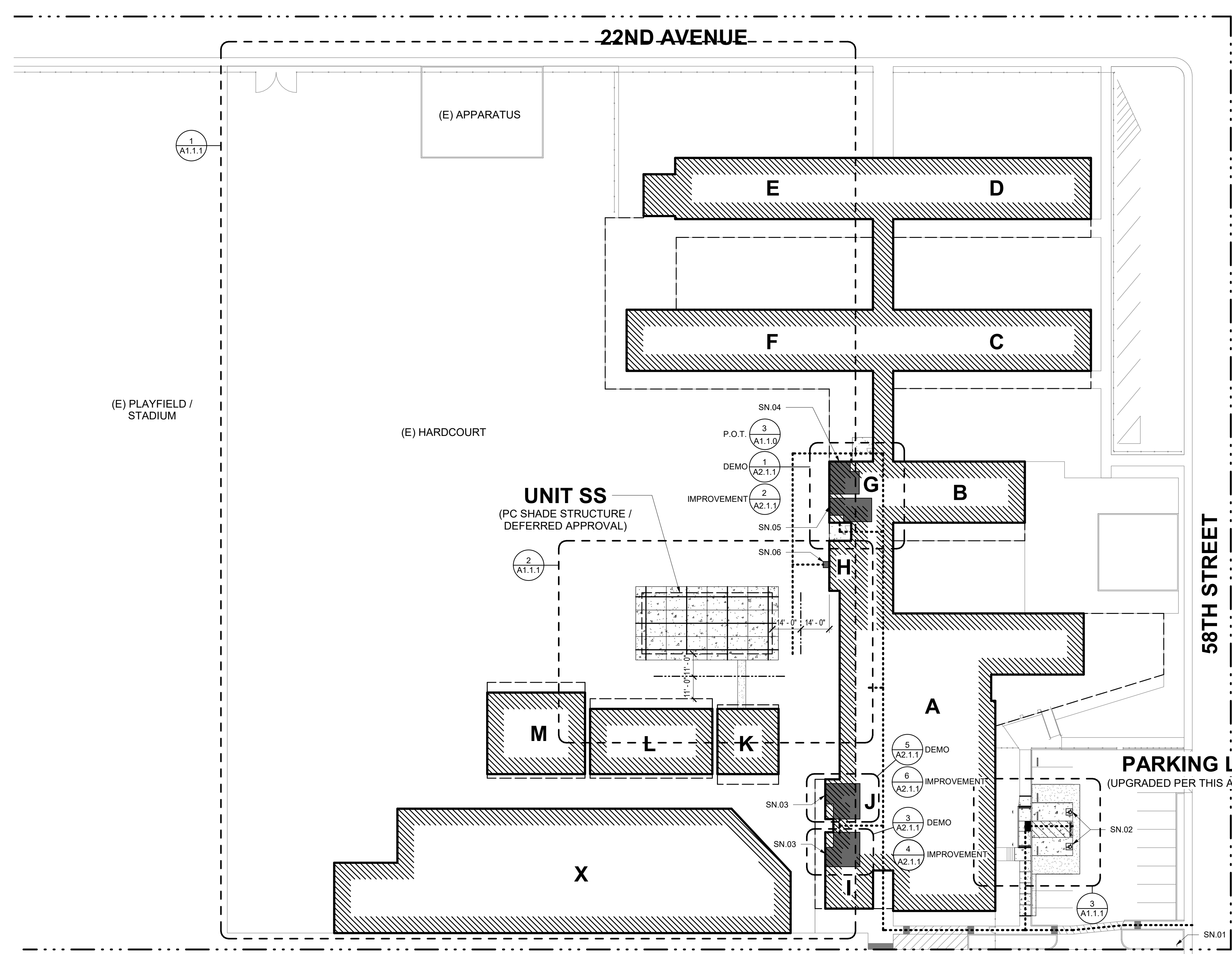
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT:	16 STALLS
ACCESSIBLE PARKING STALLS:	(TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	1 (1-25 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	1 STANDARD & 1 VAN

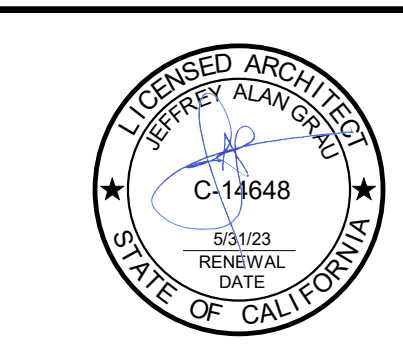
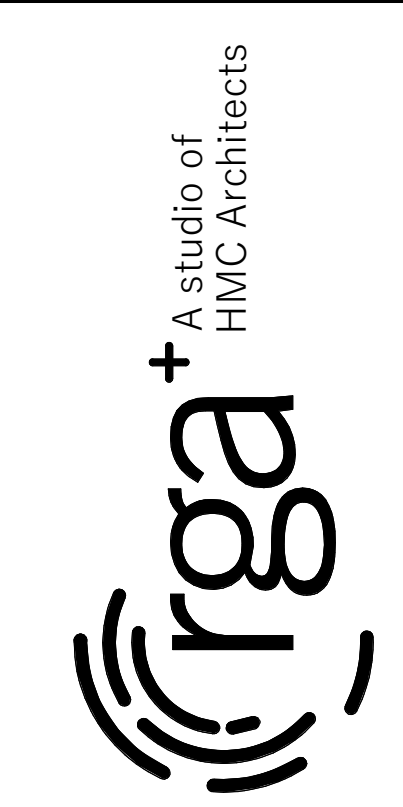
SHEET NOTES

- SN.01 (E) PARKING LOT ENTRANCE SIGN REVIEWED AND VERIFIED PER THIS APPLICATION.
- SN.02 ACCESSIBLE PARKING STALLS PER THIS APPLICATION.
- SN.03 (E) ACCESSIBLE STAFF TOILET ROOM UPGRADED PER THIS APPLICATION.
- SN.04 (E) ACCESSIBLE GIRL'S TOILET ROOM UPGRADED PER THIS APPLICATION.
- SN.05 (E) ACCESSIBLE BOYS' TOILET ROOM UPGRADED PER THIS APPLICATION.
- SN.06 (E) ACCESSIBLE DRINKING FOUNTAIN REVIEWED AND VERIFIED PER THIS APPLICATION. SEE 2/A1.1.0.
- SN.07 INSTALL NEW CONCRETE WITH 2% MAX. SLOPE IN ALL DIRECTIONS. EDGES TO HAVE A FLUSH TRANSITION TO (E) SLAB. SEE 11/A0.2.
- SN.08 REMOVE (E) DOOR THRESHOLD. INSTALL NEW DOOR THRESHOLD PER 10/A0.2.



1 SITE PLAN
1" = 30'-0"

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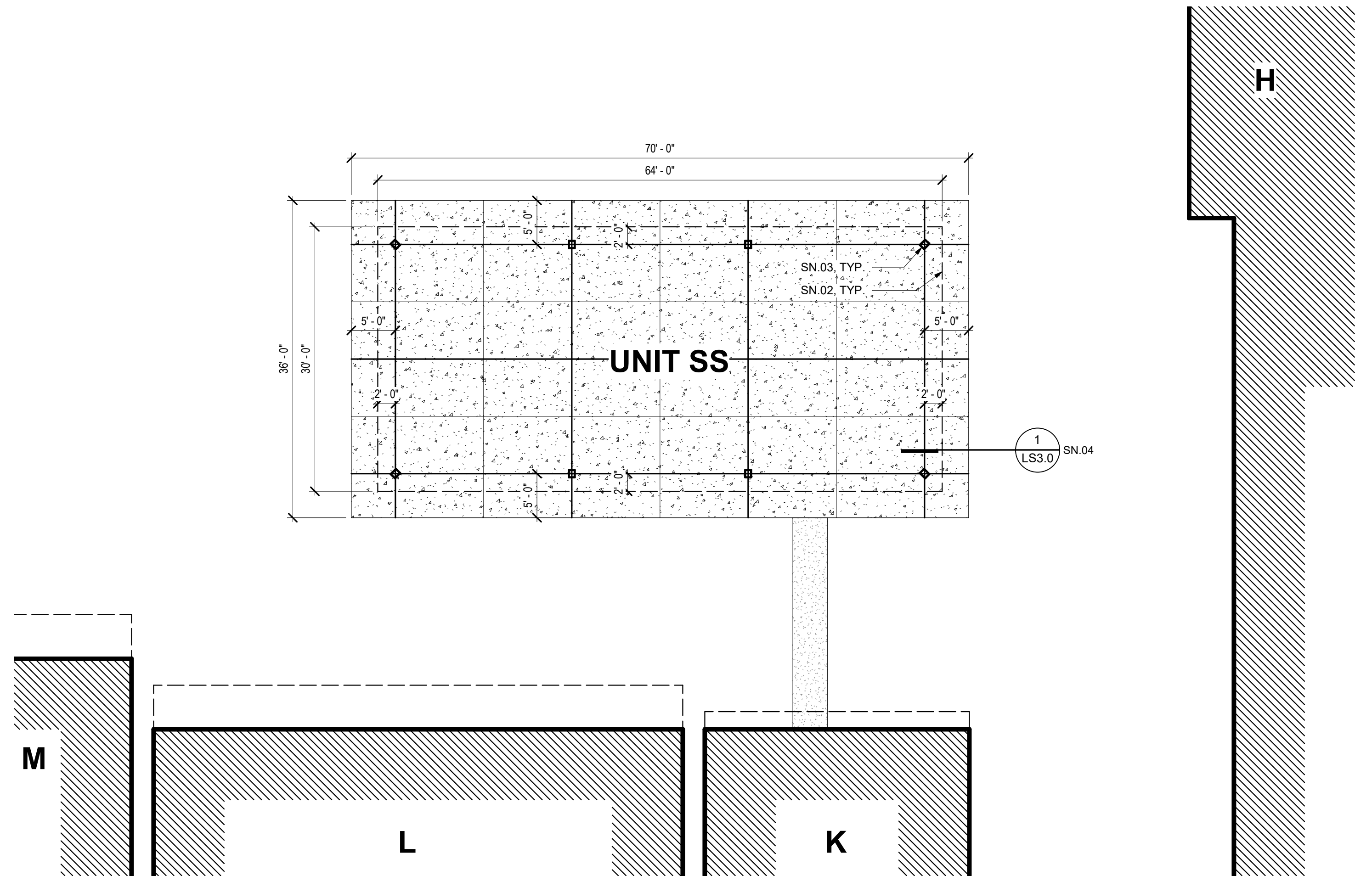


SHADE STRUCTURE AT MARK TWAIN
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

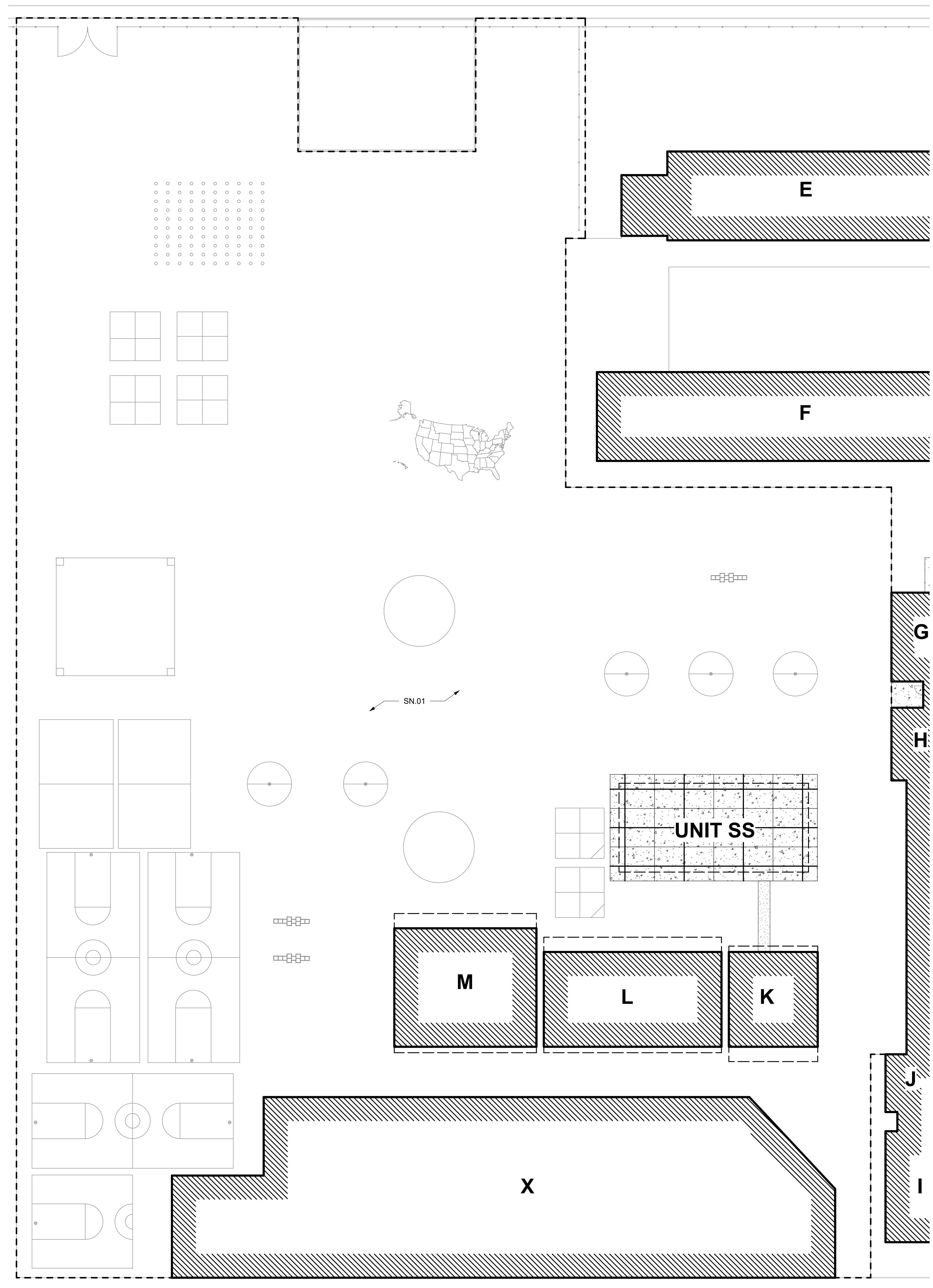
Revision

SITE PLAN AND CODE
INFORMATION

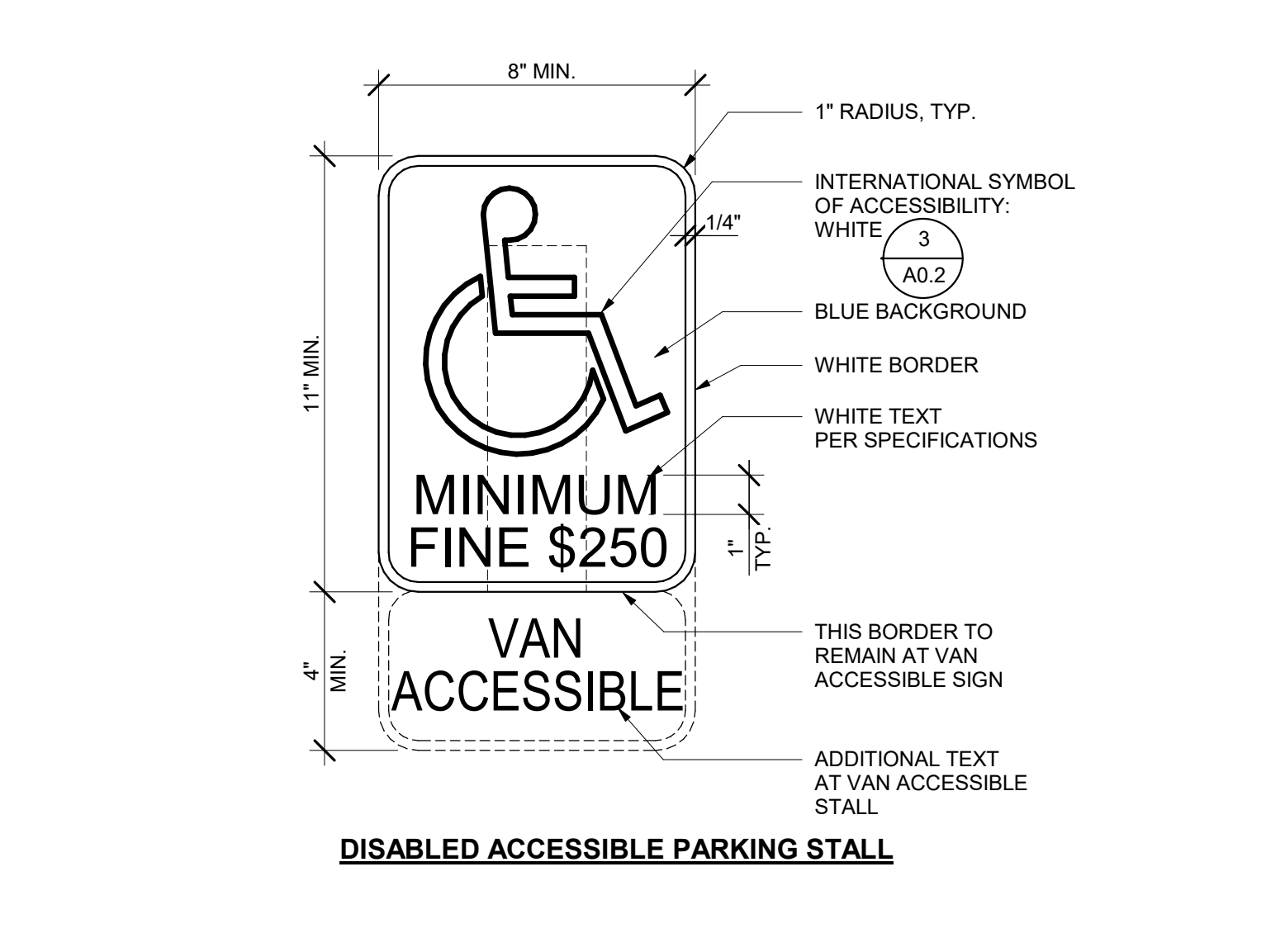
PROJECT NO. 1504.14
DATE: 3/22/2022
SHEET A11.0



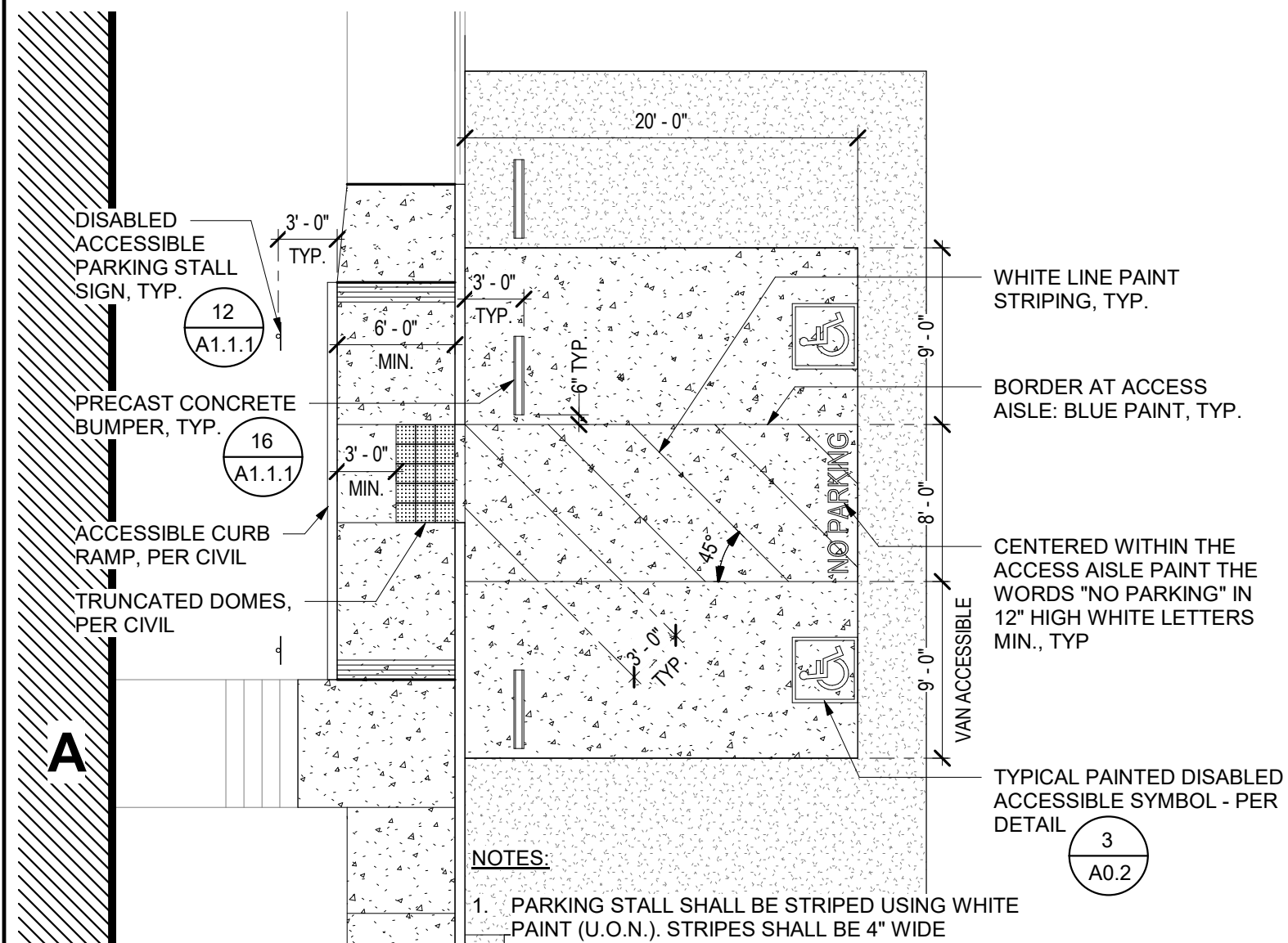
2 ENLARGED PLAN - SHADE STRUCTURE
1" = 10'-0"



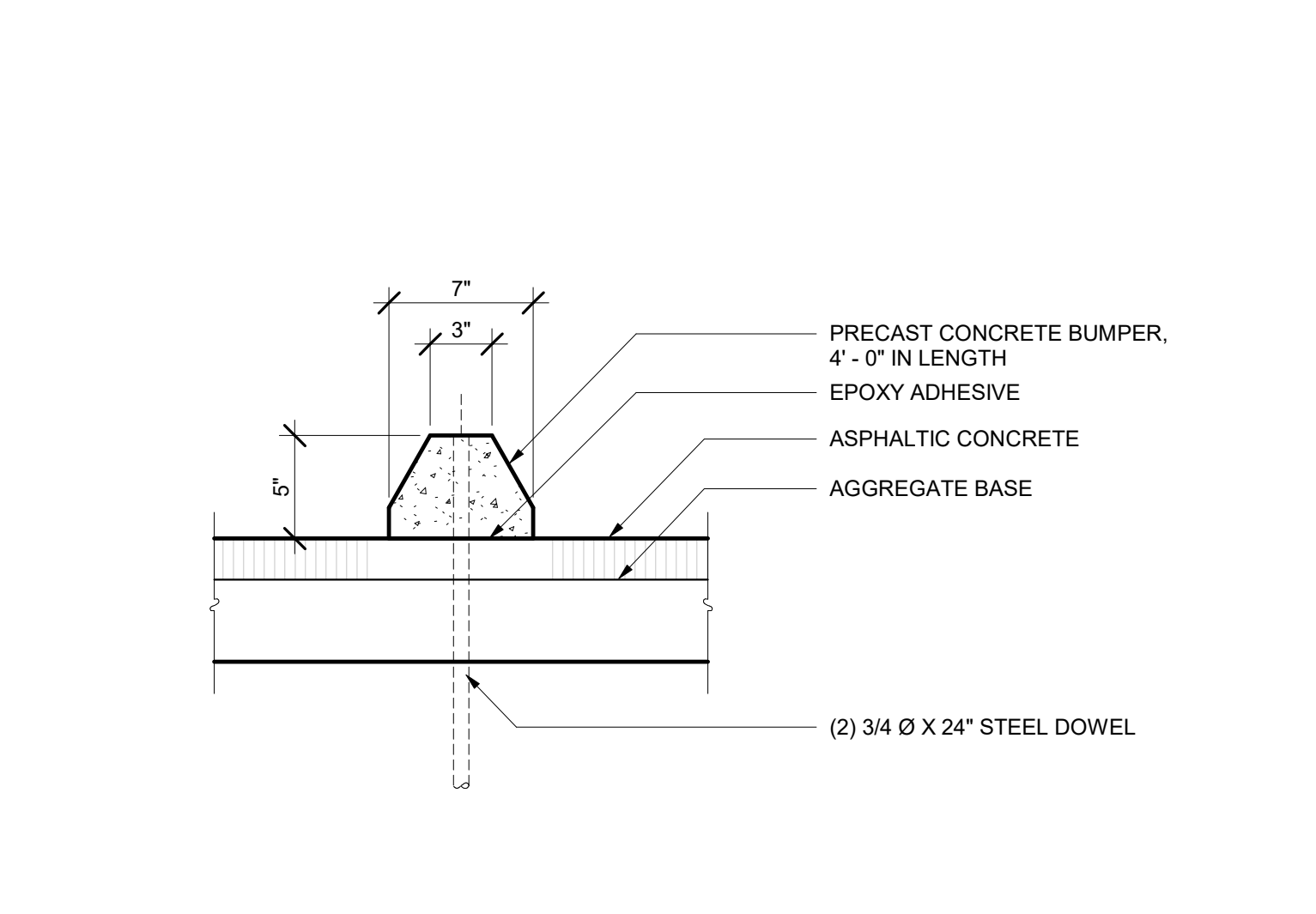
1 ENLARGED PLAN - STRIPING
1" = 20'-0"



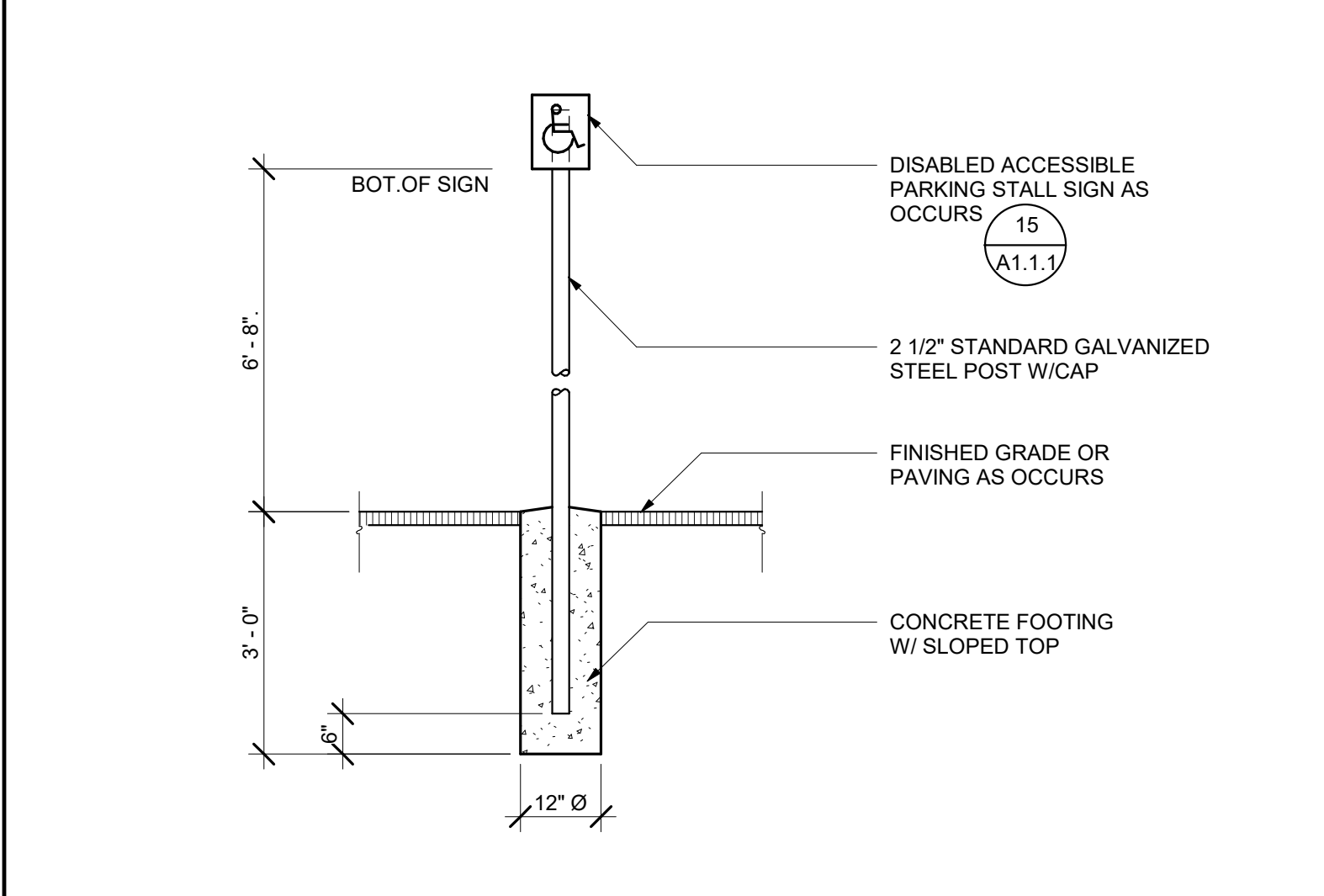
15 PARKING SIGNAGE
3" = 1'-0"



3 ENLARGED PLAN - PARKING
1/8" = 1'-0"



16 PRECAST CONCRETE BUMPER
1 1/2" = 1'-0"



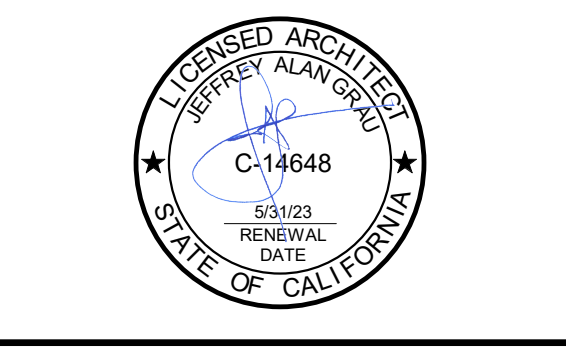
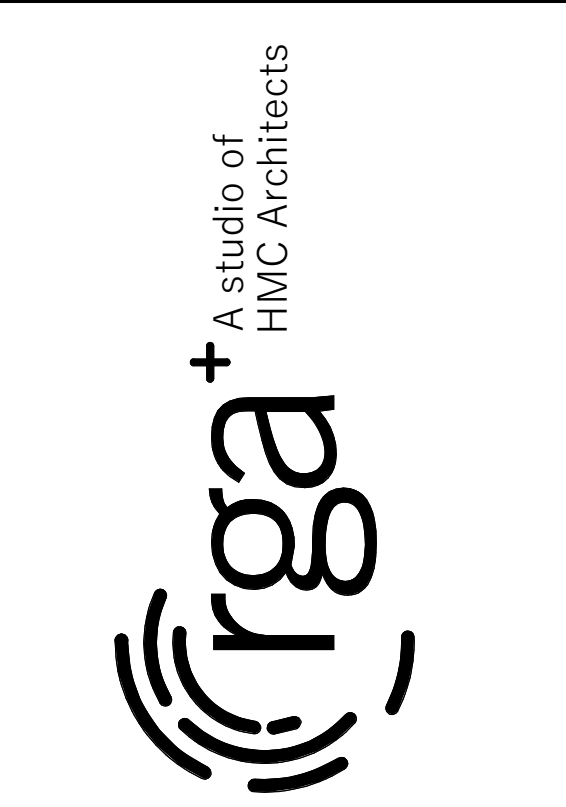
12 METAL SIGNS
1/2" = 1'-0"

- LEGEND**
- - - - - PROPERTY LINE
 - [X] UNIT DESIGNATION
PC SHADE STRUCTURE / DEFERRED APPROVAL
 - [Hatched Box] EXISTING BUILDINGS
 - [Dashed Line] EXPANSION JOINT
 - [Grid Pattern] CONCRETE WALK / PAVING CONTROL JOINT
 - [Stippled Box] ASPHALT CONCRETE PAVING

- GENERAL NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF CRACK REPAIR AT (E) HARDCOURT.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING (E) STRIPING CONDITIONS AND VERIFYING EXACT LAYOUT TO BE RESTRIPE WITH DISTRICT.

- SHEET NOTES**
- SN 01 ALTERNATE 1: (E) HARDCOURT SHALL RECEIVE CRACK REPAIRS AND 2 COATS OF SEAL COAT. (E) STRIPING IS TO BE RESTRIPE OVER SEAL COAT. EXTENTS SHOWN DASHED
 - SN 02 ROOF OVERHANG ABOVE, PER PC SHADE STRUCTURE / DEFERRED APPROVAL. CONTRACTOR IS RESPONSIBLE FOR FIELD CUTTING METAL ROOF PANELS FOR INSTALLATION.
 - SN 03 HSS COLUMN AND FOOTING, PER PC SHADE STRUCTURE / DEFERRED APPROVAL.
 - SN 04 FOR FOOTING / CONCRETE PAD / COLUMN INTERACTION, SEE PC SHADE STRUCTURE / DEFERRED APPROVAL.

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**SHADE STRUCTURE AT MARK TWAIN
ELEMENTARY SCHOOL**

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

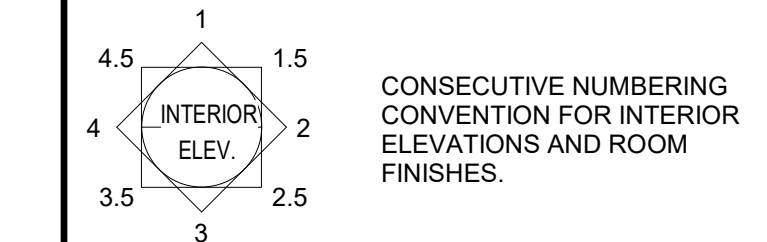
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**PARTIAL SITE PLANS
AND DETAILS**

PROJECT NO. 1504.14
DATE: 3/22/2022
SHEET **A11.1**

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LEGEND



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GENERAL NOTES

- FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY, REFER TO SHEET A0.2
- PROTECT ALL ADJACENT SURFACES, ITEMS AND FINISHES NOT NOTED TO BE DEMOLISHED.
- EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR REINSTALLATION" WILL BE REMOVED AND STORED BY THE CONTRACTOR PRIOR TO START OF DEMOLITION. THESE EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT.
- REMOVE ALL ITEMS SCHEDULED TO BE REMOVED, INCLUDING MOUNTING HARDWARE.
- DEMO AND REPAIR WALL FINISH AS NECESSARY TO PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED. ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR.

DEMOLITION NOTES

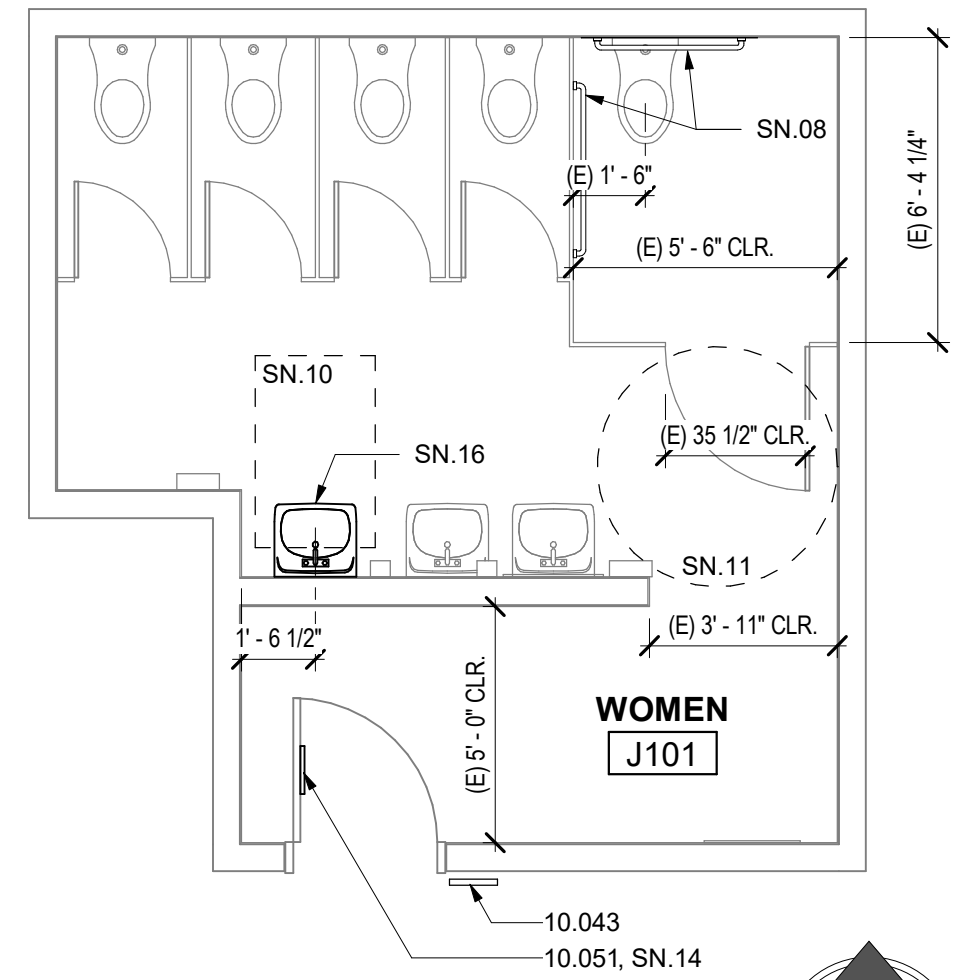
- DN.01 REMOVE (E) WALL-MOUNTED WATER CLOSET AND SALVAGE FOR REINSTALLATION
- DN.02 REMOVE (E) FLUSH VALVE AT (E) WATER CLOSET
- DN.03 REMOVE (E) TOILET PARTITIONS AND (E) TOILET PARTITION DOORS
- DN.04 REMOVE (E) LAVATORY AND SALVAGE FOR REINSTALLATION
- DN.05 REMOVE (E) SOAP DISPENSER AND SALVAGE FOR REINSTALLATION
- DN.06 REMOVE (E) PAPER TOWEL DISPENSER AND SALVAGE FOR REINSTALLATION
- DN.07 REMOVE (E) MIRROR AND SALVAGE FOR REINSTALLATION
- DN.08 REMOVE (E) GRAB BARS AND SALVAGE FOR REINSTALLATION
- DN.09 REMOVE (E) DOOR AND SALVAGE FOR REINSTALLATION
- DN.10 REMOVE (E) TOILET ROOM D. SIGN
- DN.11 REMOVE (E) TOILET ROOM DOOR SYMBOL
- DN.12 REMOVE (E) WALL-MOUNTED URINAL AND SALVAGE FOR REINSTALLATION
- DN.13 ABANDON AND CAP IN PLACE (E) PLUMBING, WHERE NOTED ONLY
- DN.14 REMOVE (E) TOILET PAPER DISPENSER AND SALVAGE FOR REINSTALLATION

SHEET NOTES

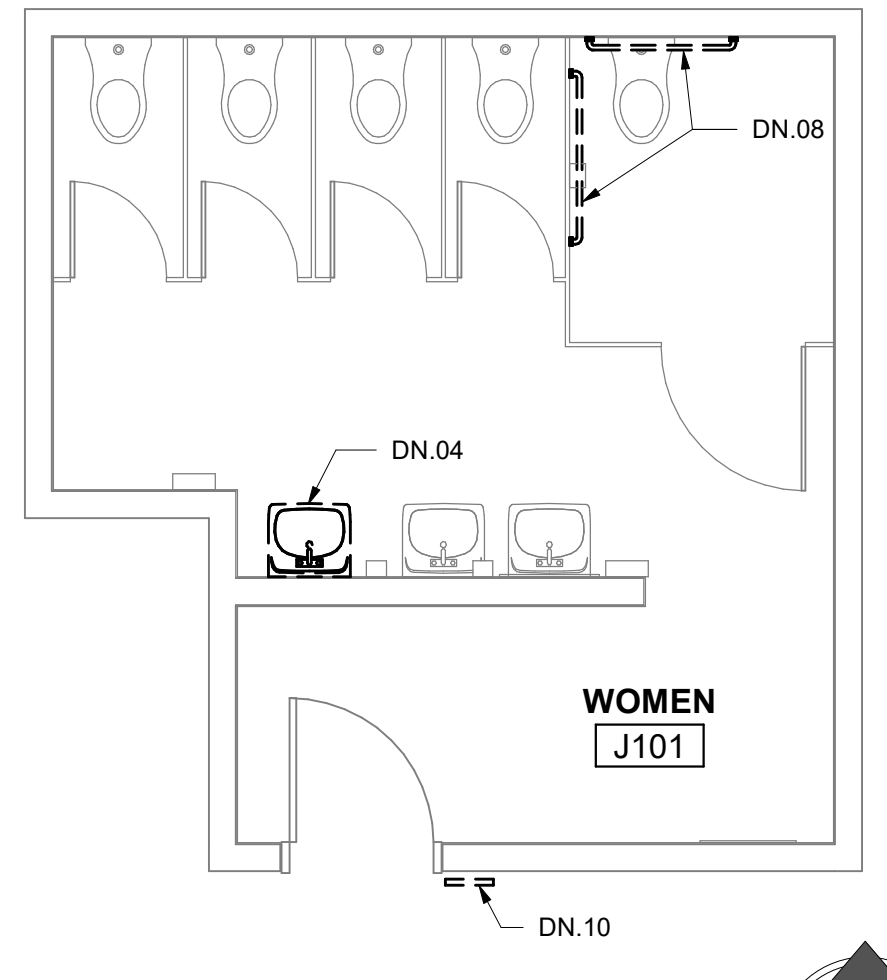
- SN.01 REINSTALL (E) SALVAGED WALL-MOUNTED WATER CLOSET TO COMPLY WITH A0.2. PROVIDE NEW WATER CARRIER. PROVIDE CONNECTION TO WATER LINE, WASTE LINE AND VENT.
- SN.02 PROVIDE NEW FLUSH VALVE AT (E) WALL-MOUNTED WATER CLOSET TO COMPLY WITH A0.2
- SN.03 WRAP ALL EXPOSED PIPES WITH INSULATION
- SN.04 REINSTALL (E) SALVAGED LAVATORY TO COMPLY WITH A0.2. PROVIDE NEW WATER CARRIER. PROVIDE CONNECTION TO WATER LINE, WASTE LINE AND VENT.
- SN.05 REINSTALL (E) SALVAGED SOAP DISPENSER TO COMPLY WITH A0.2
- SN.06 REINSTALL (E) SALVAGED PAPER TOWEL DISPENSER TO COMPLY WITH A0.2
- SN.07 REINSTALL (E) SALVAGED MIRROR TO COMPLY WITH A0.2
- SN.08 REINSTALL (E) SALVAGED GRAB BARS TO COMPLY WITH A0.2
- SN.09 REINSTALL (E) SALVAGED DOOR. CHANGE THE DIRECTION OF THE DOOR SWING AS SHOWN
- SN.10 30" X 48" CLEAR SPACE
- SN.11 60" DIA. TURNING CIRCLE
- SN.12 SIGN TO READ "BOYS"
- SN.13 SIGN TO READ "GIRLS"
- SN.14 SIGN TO READ "WOMEN"
- SN.15 SIGN TO READ "MEN"
- SN.16 REINSTALL (E) SALVAGED LAVATORY TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO LAVATORY. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- SN.17 REINSTALL (E) SALVAGED WALL-MOUNTED URINAL TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO LAVATORY. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- SN.18 REINSTALL (E) SALVAGED TOILET PAPER DISPENSER TO COMPLY WITH A0.2

KEYNOTES

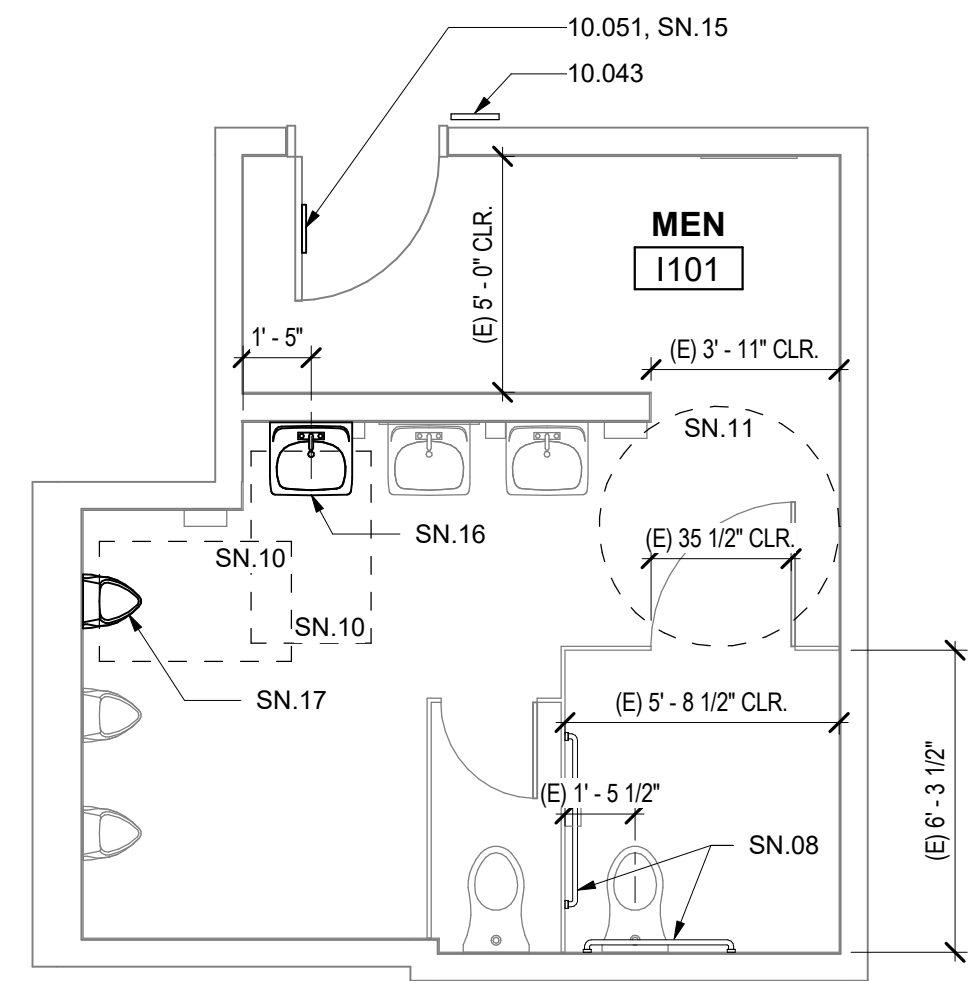
- 10.043 SIGNAGE: TOILET ROOM IDENTIFICATION
- 10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL
- 10.090 COMPOSITE TOILET COMPARTMENT



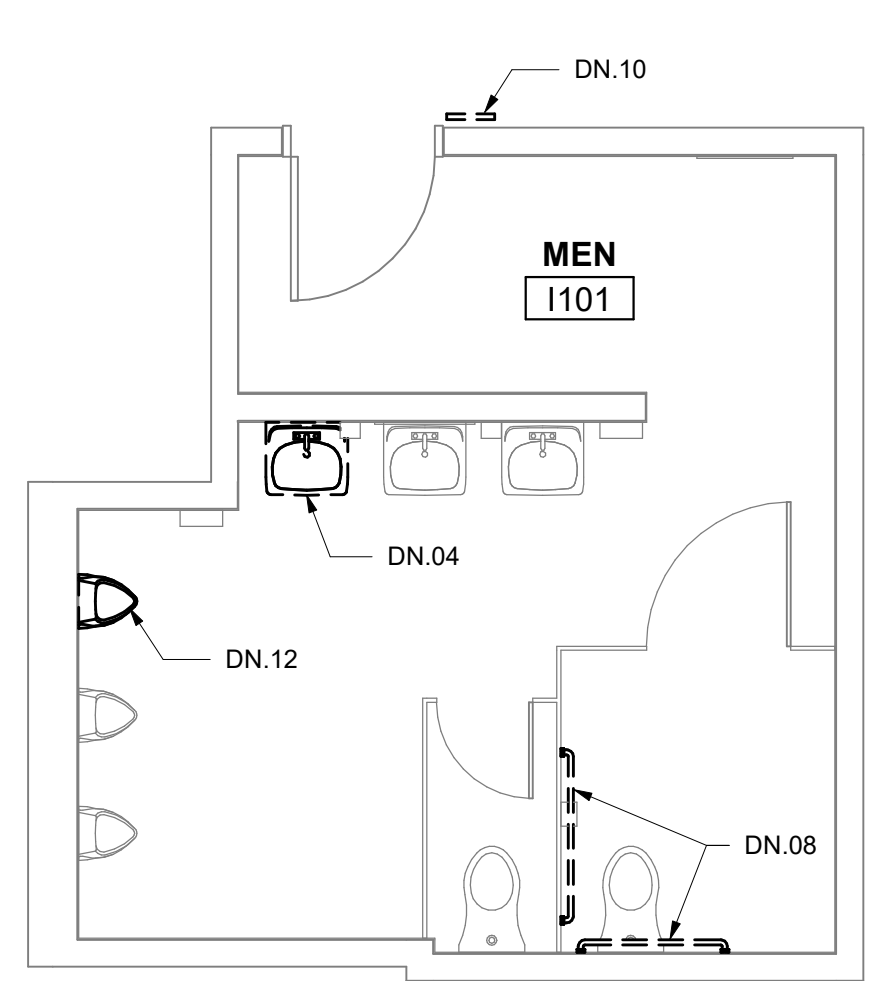
6 WOMEN - IMPROVEMENT
 1/4" = 1'-0" ADULT HEIGHT



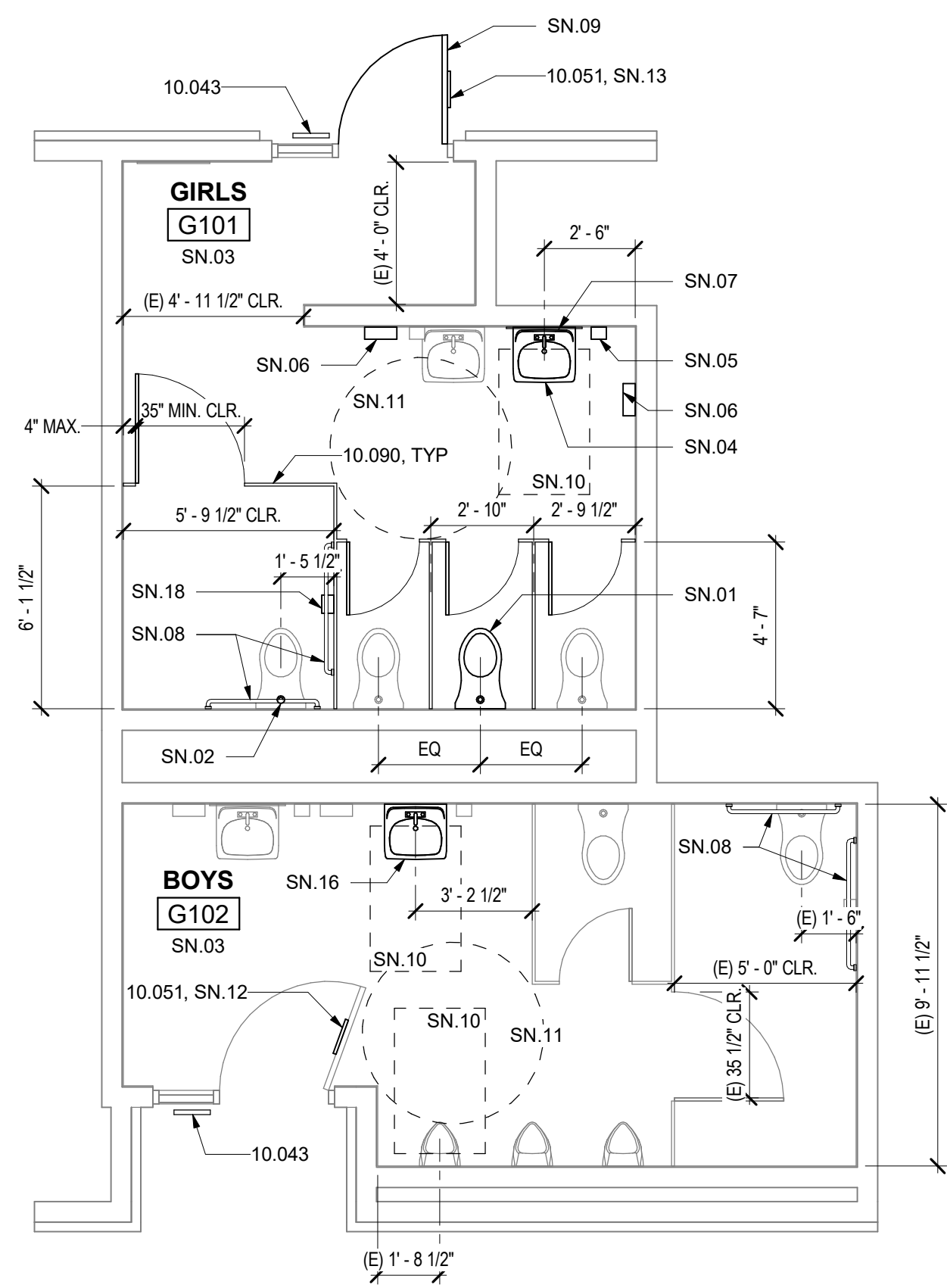
5 WOMEN - DEMOLITION
 1/4" = 1'-0" ADULT HEIGHT



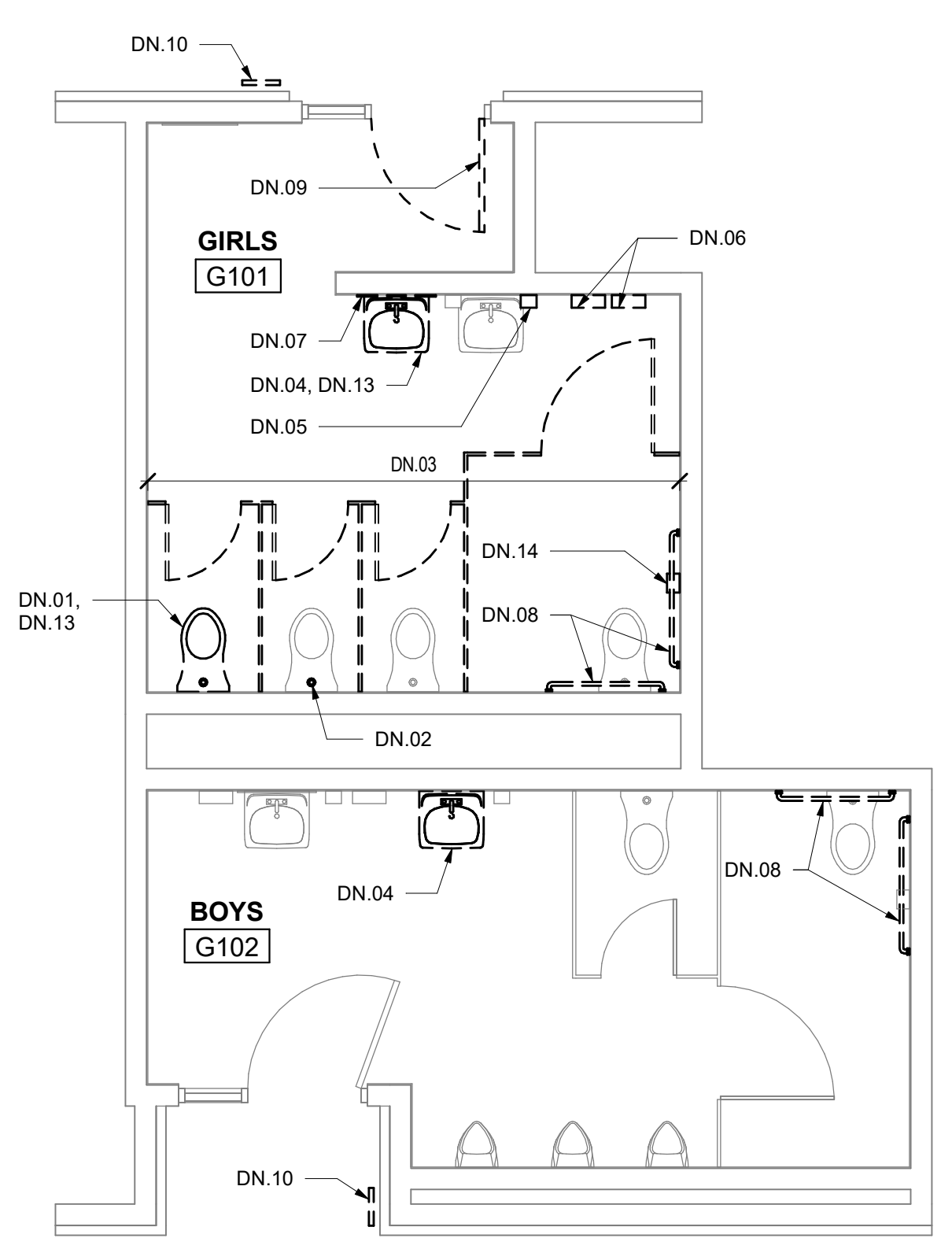
4 MEN - IMPROVEMENT
 1/4" = 1'-0" ADULT HEIGHT



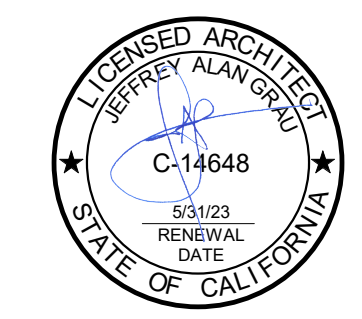
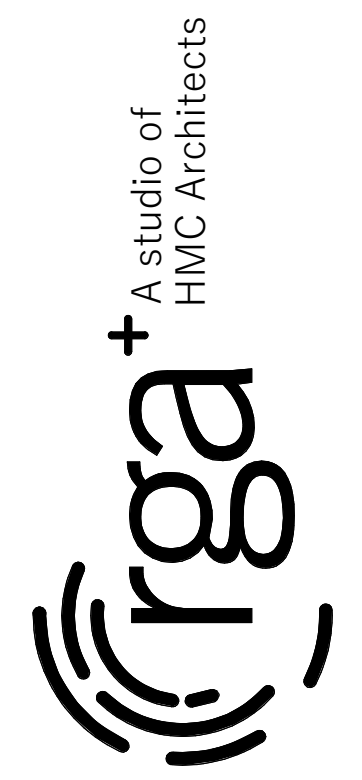
3 MEN - DEMOLITION
 1/4" = 1'-0" ADULT HEIGHT



2 GIRLS AND BOYS - IMPROVEMENT
 1/4" = 1'-0" ADULT HEIGHT



1 GIRLS AND BOYS - DEMOLITION
 1/4" = 1'-0" ADULT HEIGHT



SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

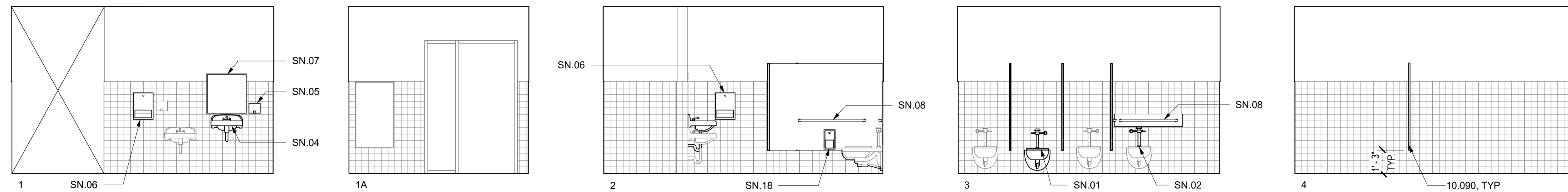
Revision

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TOILET ROOM DEMOLITION AND IMPROVEMENT PLANS

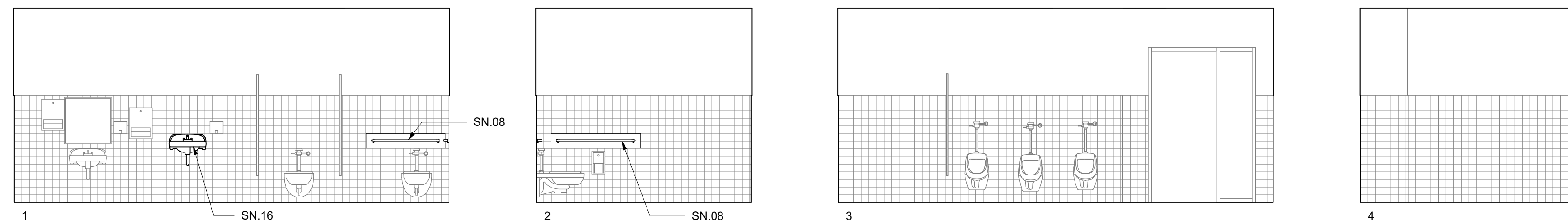
UNITS G, I & J
 PROJECT NO. 1504.14
 DATE: 3/22/2022
 SHEET **A2.1.1**

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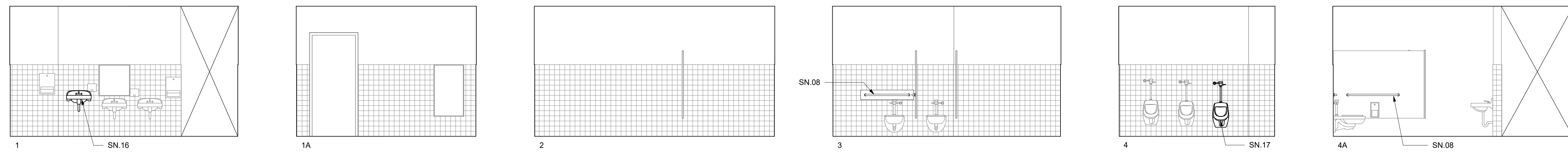
G101 - GIRLS
1/4" = 1'-0"

ADULT HEIGHT



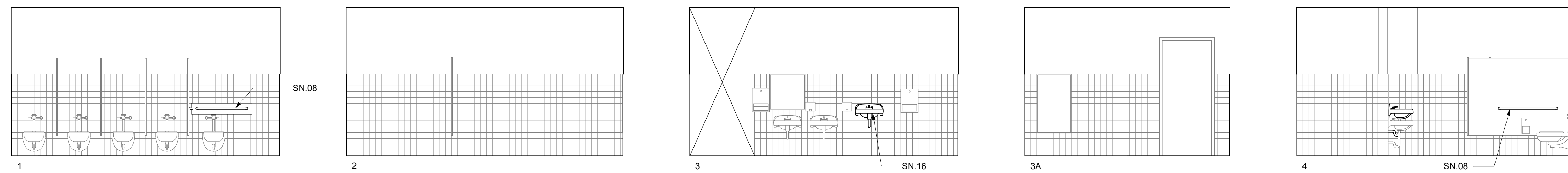
G102 - BOYS
1/4" = 1'-0"

ADULT HEIGHT



I101 - STAFF
1/4" = 1'-0"

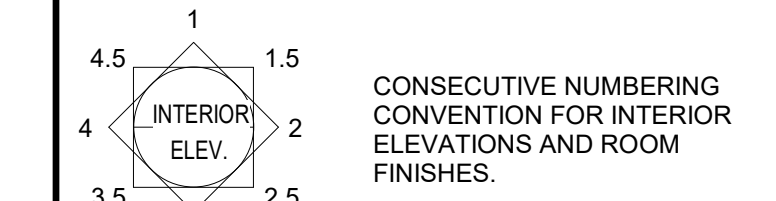
ADULT HEIGHT



J101 - STAFF
1/4" = 1'-0"

ADULT HEIGHT

LEGEND



GENERAL NOTES

- FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY, REFER TO SHEET A0.2
- PROTECT ALL ADJACENT SURFACES, ITEMS AND FINISHES NOT NOTED TO BE DEMOLISHED.
- EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR REINSTALLATION" WILL BE REMOVED AND STORED BY THE CONTRACTOR PRIOR TO START OF DEMOLITION. THESE EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT.
- REMOVE ALL ITEMS SCHEDULED TO BE REMOVED, INCLUDING MOUNTING HARDWARE.
- DEMO AND REPAIR WALL FINISH AS NECESSARY TO PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED. ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR.

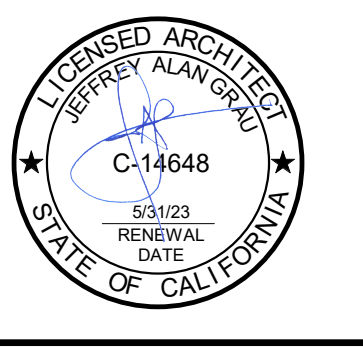
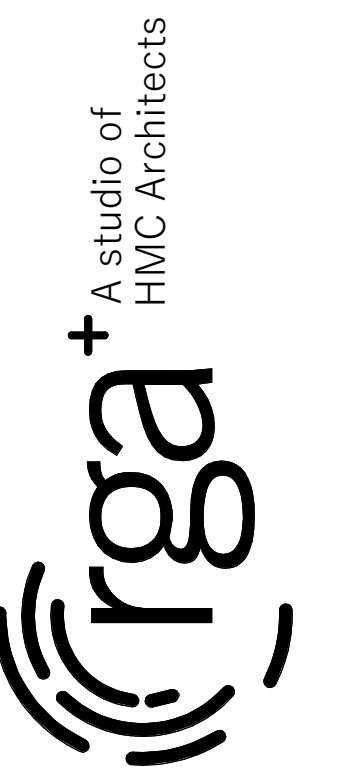
SHEET NOTES

- SN.01 REINSTALL (E) SALVAGED WALL-MOUNTED WATER CLOSET TO COMPLY WITH A0.2. PROVIDE NEW WATER CARRIER. PROVIDE CONNECTION TO WATER LINE, WASTE LINE AND VENT.
- SN.02 PROVIDE NEW FLUSH VALVE AT (E) WALL-MOUNTED WATER CLOSET TO COMPLY WITH A0.2
- SN.03 NOT USED
- SN.04 REINSTALL (E) SALVAGED LAVATORY TO COMPLY WITH A0.2. PROVIDE NEW WATER CARRIER. PROVIDE CONNECTION TO WATER LINE, WASTE LINE AND VENT.
- SN.05 REINSTALL (E) SALVAGED SOAP DISPENSER TO COMPLY WITH A0.2
- SN.06 REINSTALL (E) SALVAGED PAPER TOWEL DISPENSER TO COMPLY WITH A0.2
- SN.07 REINSTALL (E) SALVAGED MIRROR TO COMPLY WITH A0.2
- SN.08 REINSTALL (E) SALVAGED GRAB BARS TO COMPLY WITH A0.2
- SN.09 NOT USED
- SN.10 NOT USED
- SN.11 NOT USED
- SN.12 NOT USED
- SN.13 NOT USED
- SN.14 NOT USED
- SN.15 NOT USED
- SN.16 REINSTALL (E) SALVAGED LAVATORY TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO LAVATORY. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- SN.17 REINSTALL (E) SALVAGED WALL-MOUNTED URINAL TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO LAVATORY. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- SN.18 REINSTALL (E) SALVAGED TOILET PAPER DISPENSER TO COMPLY WITH A0.2

KEYNOTES

- 10.090 COMPOSITE TOILET COMPARTMENT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120006 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/18/2022



SHADE STRUCTURE AT MARK TWAIN
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

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INTERIOR ELEVATIONS

UNITS G, I & J
PROJECT NO. 1504.14
DATE: 3/22/2022
SHEET

A5.1.1

C:\Users\mark\OneDrive\Documents\1504.14_Mark Twain_Elem_School_Units_G-I-J.dwg

ABBREVIATION LIST

A AMPERE
 AC ALTERNATING CURRENT
 A/C AIR CONDITIONING
 AER ARC ENERGY REDUCTION
 AF AMP FRAME
 AFF ABOVE FINISHED FLOOR
 AIC AMPERES INTERRUPTING CAPACITY
 AT AMP TRIP SETTING
 AWG AMERICAN WIRE GAUGE
 BC BARE COPPER
 BD BOARD
 BFC BELOW FINISHED CEILING
 BRKR BREAKER
 BLDG BUILDING
 BPS BOOSTER POWER SUPPLY
 C CONDUIT
 C/B CIRCUIT BREAKER
 CFCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
 CIRC CIRCUIT
 CLG CEILING
 CO CONDUIT ONLY, WITH PULL LINE
 CONT CONTINUOUS
 CU COPPER
 CWP METALLIC COLD WATER PIPE
 (D) DEMOLISH
 DC DIRECT CURRENT
 DISC DISCONNECT
 DP DISTRIBUTION PANEL
 (E) EXISTING
 E/W EACH WITH
 EA EACH
 EL EVENING LIGHT
 ELEC ELECTRIC
 EM EMERGENCY
 ENT ELECTRICAL METALLIC TUBING
 EQ END OF LINE DEVICE
 EQUIP EQUIPMENT
 (ER) EXISTING RELOCATED
 EWH ELECTRICAL WATER COOLER
 EWH ELECTRICAL WATER HEATER
 (F) FUTURE
 FAOP FIRE ALARM CONTROL PANEL
 FAEP FIRE ALARM EXTENDER PANEL
 FATC FIRE ALARM TERMINAL CABINET
 FBO FURNISHED BY OTHERS
 FLUOR FLUORESCENT
 FT FOOT
 GA GAUGE
 GFCI GROUND FAULT CIRCUIT INTERRUPT
 GLZ GENERAL LIGHTING ZONE
 GND GROUND
 GP GAS PIPE
 GYP GYP-SUM
 HID HIGH INTENSITY DISCHARGE
 HT HORSE POWER
 HT HEIGHT
 HERTZ
 IMZ INTERMEDIATE METALLIC CONDUIT
 IN INCH
 ISC SHORT CIRCUIT CURRENT
 (RMS SYMMETRICAL)
 ISO ISOLATED
 J-BOX JUNCTION BOX
 KCMIL THOUSAND CIRCULAR MILLS
 KVA KILO VOLT AMP
 KW KILOWATT
 LC LIGHTING CONTROL PANEL
 LV LOW VOLTAGE
 MCM THOUSAND CIRCULAR MILLS
 MECH MECHANICAL
 MDP MAIN DISTRIBUTION PANEL
 MH METAL HALIDE
 MISC MISCELLANEOUS
 MLO MAIN LUGS ONLY
 MPEE MAIN POINT OF ENTRY
 MSB MAIN SWITCHBOARD
 (N) NEW
 NIC NOT IN CONTRACT
 NIES NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS.
 NL NIGHT LIGHT
 NO # NUMBER
 NTS NOT TO SCALE
 ON CENTER
 OC, OFCI OWNER FURNISHED, CONTRTRACTOR INSTALLED
 OFOI OWNER FURNISHED, OWNER INSTALLED
 P POLE
 PB PULL BOX
 PFB PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE
 PDZ PRIMARY DAYLIT ZONE
 PFCT PROVISION FOR FUTURE CURRENT TRANSFORMER
 PH, Ø PHASE
 PLYWD PLYWOOD
 PNL PANEL
 PR PAIR
 PVC POLYVINYL CHLORIDE CONDUIT
 (R) RELOCATE / RELOCATED
 REQ'D REQUIRED
 RM ROOM
 RMC RIGID METAL CONDUIT
 (RR) REMOVE AND REPLACE
 SDZ SECONDARY DAYLIT ZONE
 SKZ SKYLIGHT DAYLIT ZONE
 SPEC SPECIFICATION
 STC SIGNAL TERMINAL CABINET
 SQ SQUARE
 SW SWITCH
 TEL TELEPHONE
 TGB TELECOMMUNICATIONS GROUNDING BUSBAR
 TMGB TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
 TTB TELEPHONE TERMINAL BOARD
 TYP TYPICAL
 UC UNDERGROUND
 UNLESS OTHERWISE NOTED
 V VOLTS
 WP WEATHERPROOF
 W WEIGHT
 W WATT
 W/ WITH
 W/ TRANSFORMER
 & AND

GENERAL NOTES

- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER AS PRESCRIBED BY THE SCHOOL'S REPRESENTATIVE.
- PROTECT EXISTING EQUIPMENT AND FURNISHINGS FROM ANY DAMAGE DUE TO DUST, MOISTURE OR CONTACT WITH WORK CREW OR MATERIALS.
- THE SCHOOL SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY POWER SHUTDOWN OF EXISTING PANELS OR SERVICE. SCHEDULE OF SHUTDOWNS SHALL BE AT CONVENIENCE OF THE SCHOOL. THE SCHOOL MAY, AT THEIR OPTION, HAVE A REPRESENTATIVE PRESENT DURING SHUTDOWN. ALL WORK REQUIRING SHUTDOWNS OF EXISTING PANELS OR SERVICE SHALL BE DONE BETWEEN 12:00 AM MIDNIGHT AND 6:00AM WEEKDAYS OR ON SATURDAY AND SUNDAY. REQUIRED SHUTDOWNS SHALL BE KEPT TO A MINIMUM.
- ADEQUATELY STRAP AND SUPPORT ALL CONDUIT WORK PER CEC. IN GENERAL, SUPPORT ALL CONDUIT WITHIN THREE FEET (3') OF OUTLET BOX, CABINET OR PANEL AND MAXIMUM TEN FEET (10') ON CENTER THEREAFTER.
- CORE BORE SHALL BE 1" DIAMETER LARGER THAN EACH CONDUIT. SPACE CONDUIT HOLES 3" APART. SEAL AROUND CONDUIT WITH NON-SHRINK, NON-METALLIC GROUT.
- ALL CONDUCTORS INSTALLED IN PANELBOARDS SHALL BE TRAINED, LACED, AND INSTALLED WITH PHASE TAPE ON ALL CONDUCTORS.
- LABEL DEVICES (I.E. RECEPTACLES, ETC.) ON EACH COVER PLATE IDENTIFYING CIRCUIT AND PANEL DEVICE IS CONNECTED TO.
- CLEAN ALL EXTERIOR AND INTERIOR SURFACES OF PANELS AND ALL MATERIAL AND METAL SHAVINGS FROM PANEL AND CABINET INTERIORS. ALL OPENINGS SHALL BE SEALED AND APPLY TOUCH-UP SPRAY PAINT WHERE NEEDED.
- FIELD COORDINATE DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- CONTRACTOR WILL PROVIDE WARNING LABELS NOTING THE POTENTIAL FOR ELECTRIC ARC FLASH HAZARDS PER CEC 110.16. PROVIDE LABELS ON EQUIPMENT SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, MOTOR CONTROL CENTERS, MOTOR STARTER / CONTACTOR PANELS, DISCONNECTS, ETC.. PROVIDE WARNING LABELS BY BRADY, MODEL NO. 101517, OR EQUAL, ON ALL EQUIPMENT.
- INSTALLATION SHALL COMPLY WITH CEC 210.4 - EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMMON NEUTRAL SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED.
- SUPPORT ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H).
- SEAL CONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. EQUIPMENT IS INSTALLED ON THE EXTERIOR WALL, STUB CONDUITS THROUGH WALL AND SEAL CONDUIT OPENINGS. THEN INSTALL EXTERIOR EQUIPMENT. ALSO, SEAL AROUND THE PERIMETER EDGE OF THE EQUIPMENT ENCLOSURE BETWEEN THE ENCLOSURE AND BUILDING.
- CONDUITS INSTALLED ON ROOF AND BUILDING EXTERIOR SHALL BE RIGID GALV. STEEL (HEAVY WALL) WITH THREADED FITTINGS. CONDUIT AND WALL TO BE PAINTED OUT TO MATCH EXTERIOR FINISH.
- SPLICES AND TERMINALS SHALL BE COMPRESSION TYPE OF SEAMLESS PURE COPPER, TIN PLATED, LONG BARREL (TERMINALS WITH TWO-HOLE PAD AND INSPECTION WINDOW WITH NEMA DRILLING), AS MANUFACTURED BY BURNDY TYPE YS, YAZ-ZN OR EQUAL. CLEAN ALL SURFACES AND INSTALL WITH OXIDE INHIBITING COMPOUND, BURNDY PENETROX-E OR EQUAL. APPLY COMPOUND BETWEEN BUS AND LUG PAD AND BETWEEN CONDUCTOR AND LUG BARREL. INSTALL COMPRESSION CONNECTORS WITH 360° CIRCUMFERENTIAL COMPRESSION DYE, BURNDY HYPRESS OR EQUAL. THE INDENTER OR OTHER TYPE TOOLS WILL NOT BE ACCEPTABLE.
- INSTALL "MECHANICALLY FASTENED PHENOLIC NAMEPLATE WITH WHITE LETTERING ON BLACK BACKGROUND ON ALL EQUIPMENT, INCLUDING PULL BOXES, WITH DESCRIPTION INDICATED ON DRAWINGS. NAMEPLATES SHALL READ EXACTLY AS DESCRIBED ON THE DRAWINGS. IN GENERAL, NAMEPLATE LETTERING SIZE SHALL BE 3/16" HIGH FOR ALL NAMEPLATES SERVING FEEDER AND BRANCH CIRCUIT BREAKERS. ON MAIN SERVICE PANEL, DISTRIBUTION PANELS AND ALL OTHER NAMEPLATES LETTERING SHALL BE 1/4" HIGH.
 17.1. ALL SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, VFD'S, MOTORS, JUNCTION BOXES, PULL BOXES, DISCONNECT SWITCHES, ETC., SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES PER CEC 408.4, FIELD IDENTIFICATION REQUIRED. (B) SOURCE OF SUPPLY.
- COORDINATE EQUIPMENT LOCATIONS, CONTROL AND POWER WIRING REQUIREMENTS AND CONNECT POINTS WITH ALL APPLICABLE DISCIPLINES.
- PROVIDE AND INSTALL FUSES PER UNIT NAMEPLATE DATA ON THE EQUIPMENT PROVIDED.
- A LAMINATED COPY OF THE FINAL RECORD ONE LINE DIAGRAM SHALL BE PLACED IN ELEC ROOM.
- PROVIDE WRING DEVICES AND COVER PLATES IN COLOR(S) SELECTED BY ARCHITECT. THE COLOR OF THE WRING DEVICE AND COVER PLATE SHALL BE THE SAME UNLESS SPECIFICALLY NOTED OTHERWISE.
- RECEPTACLE WEATHERPROOF COVERS SHALL BE LISTED "EXTRA DUTY", LOCKABLE, METAL, IN-USE TYPE.
- REINSTALL EXISTING ELECTRICAL INSTALLATIONS DISTURBED. CERTAIN EXISTING ELECTRICAL INSTALLATIONS MAY BE LOCATED IN WALLS, CEILINGS OR FLOORS THAT ARE TO BE REMOVED AND ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS. WHERE THIS CONDITIONS OCCURS, PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS, RACEWAYS, EQUIPMENT AND OUTLETS TO RETAIN SERVICE CONTINUITY. INSTALLATIONS SHALL BE CONCEALED IN FINISHED AREAS.
- FOR ROOF PENETRATIONS, REFER TO ARCHITECTURAL PLANS FOR INSTALLATION REQUIREMENTS.
- FOR WALL PENETRATION INSTALLATIONS, REFER TO ARCHITECTURAL PLANS FOR REQUIREMENTS.
- PROVIDE "LOOK-ON" DEVICE FOR ALL CIRCUIT BREAKERS ON EMERGENCY DEDICATED CIRCUITS.
- DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. CONTRACTOR SHALL ACCEPT RESPONSIBILITY IN FAMILIARIZING THEMSELVES WITH ARCHITECTURAL AND STRUCTURAL CONDITIONS ALONG WITH INHERENT SPACE LIMITATIONS. WITH THAT UNDERSTANDING SHALL PROVIDE ALL ITEMS OF LABOR, MATERIALS AND TOOLS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
- MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN ANY CONDUIT AND (E) UTILITY CONDUIT.
- FOR INTERSECTING TRENCHED CONDUIT, MAINTAIN OR EXCEED THE MINIMUM CONDUIT DEPTH REQUIREMENTS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED AND BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

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

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

- MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
 MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____

SYMBOLS LIST

- FUSED DISCONNECT SWITCH
- DUPLEX CONVENIENCE OUTLET
- DOUBLE DUPLEX CONVENIENCE OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DOUBLE DUPLEX OUTLET
- SPECIAL OUTLET TO MATCH CAP PROVIDED WITH MACHINE
- FLUSH FLOOR BOX OR "POKE-THRU" UNIT EQUIPPED WITH FLUSH OR PEDESTAL DUPLEX RECEPTACLE AND VOICE/DATA OUTLETS AS NOTED, OR REFER TO SCHEDULE ON DRAWINGS.
- PLUGMOLD/WIREMOLD RECEPTACLE SYSTEM
- TRANSFORMER
- JUNCTION BOX, SIZE AS REQUIRED BY CODE
- FLEX CONNECTION TO FIXTURE
- PANELBOARD, RECESSED MOUNTED
- PANELBOARD, SURFACE MOUNTED
- MAIN SWITCHBOARD
- TERMINAL CABINET, RECESSED MOUNTED
- TERMINAL CABINET, SURFACE MOUNTED
- HOMERUN TO PANELBOARD OR RESPECTIVE TERMINAL
- CONDUIT RUN CONCEALED IN CEILING OR WALL, SEE SYMBOLS LIST NOTES
- CONDUIT RUN UNDERGROUND OR UNDER FLOOR
- EM - EMERGENCY SYSTEM CONDUIT AND WIRES
- INSULATED GREEN GROUND CONDUCTOR
- INSULATED ISOLATED GROUND CONDUCTOR, GREEN WITH TRACER STRIPE
- CONDUIT RISER
- EXISTING EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN LIGHT. NEW OR RELOCATED EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN DARK.
- EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED
- WIREMOLD SURFACE RACEWAY(S) WITH OUTLETS AS SHOWN OR NOTED, SEE SURFACE RACEWAY SCHEDULE
- SYMBOLS REFERRING TO KEYED NOTES ON SAME SHEET
- MECHANICAL EQUIPMENT BY OTHERS, CONNECTED BY ELECTRICAL CONTRACTOR
- DETAIL DESIGNATION, "A-1" SIGNIFIES DETAIL, "E-1" SIGNIFIES SHEET NUMBER
- (1)1-1/2" ← INDICATES SIZE OF CONDUIT = ONE AND ONE HALF INCH CONDUIT
- ← NUMBER WITHIN PARENTHESIS INDICATES QUANTITY OF CONDUITS

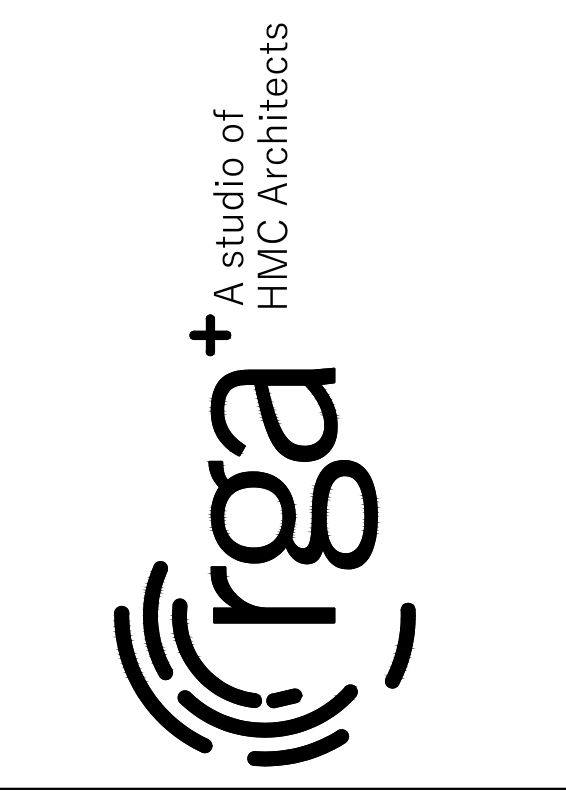
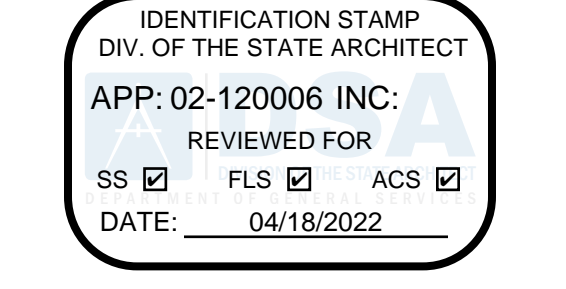
SYMBOLS LIST NOTES:

- MOUNT SWITCH BOXES AT +48" TO TOP OF BOX UNLESS OTHERWISE NOTED.
- MOUNT OUTLET BOXES AT +15" TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- "A" ADJACENT TO OUTLET INDICATES OUTLET BOX TO BE MOUNTED ABOVE COUNTER, COORDINATE WITH COUNTER HEIGHT AND DEPTH PRIOR TO ROUGH IN. MOUNT OUTLET ABOVE COUNTERS AT:
 - +48" MAX TO TOP OF BOX WHERE BOX IS INSTALLED OVER BASE CABINET.
 - +44" MAX TO TOP OF BOX WITH OPEN COUNTERS WITH FORWARD APPROACH.
- OUTLET BOXES SHALL BE:
 - WALL MOUNTED - 4" SQ. x 2-1/8" DEEP MINIMUM
 - CEILING MOUNTED - 4" SQ. OR 4" OCT. x 2-1/8" DEEP MINIMUM
- OUTLET BOXES REQUIRING 1-1/4", 1-1/2" OR 2" CONDUITS SHALL BE 4-11/16" x 3-1/4" DEEP MINIMUM.
- FLUSH MOUNTED OUTLET BOXES SHALL UTILIZE TRIM RINGS. COORDINATE TRIM RING DEPTH WITH WALL FINISH PRIOR TO ROUGH-IN.
- NO CROSSBARS ON CONDUIT RUN INDICATES MINIMUM 1" CONDUIT. TWO #10 CU CONDUCTORS PLUS #10 CU GND. CROSSBARS INDICATE NUMBER OF #10 CU CONDUCTORS IN CONDUIT. CONDUCTOR SIZES OTHER THAN #10 NOTED ON DRAWINGS. INCREASE CONDUIT SIZE AS REQUIRED TO ACCOMMODATE C.E.C. WIRE FILL REQUIREMENTS. INCLUDE ADDITIONAL BOND WIRE IN ALL PVC AND FLEXIBLE CONDUIT. LONG CROSSBAR INDICATES NEUTRAL CONDUCTOR, SHORT CROSSBARS INDICATE PHASE CONDUCTORS.
- INCREASE BRANCH CIRCUIT CU CONDUCTOR SIZES AS REQUIRED BY THE 120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART BELOW. USE CONDUCTOR LENGTHS AS FIELD MEASURED, BASED UPON MEASURED FIELD ROUTING LENGTHS. INCREASE MINIMUM CONDUIT SIZE AS REQUIRED TO ACCOMMODATE A MAXIMUM 40% CONDUCTOR FILL OF THE BRANCH CIRCUIT CONDUCTORS. WHERE NECESSARY, PROVIDE A JUNCTION BOX AT ACCESSIBLE CEILING SPACE, TO CONVERT THE LAST 15 FEET OF CONDUCTORS TO #10 AWG TO ACCOMMODATE TERMINATION OF CONDUCTORS AT WIRING DEVICES, LIGHTING FIXTURES, CIRCUIT BREAKER, ETC.
- INSTALL CU GROUND CONDUCTOR IN ALL BRANCH CIRCUITS FOR LIGHT FIXTURES AND POWER DEVICES.

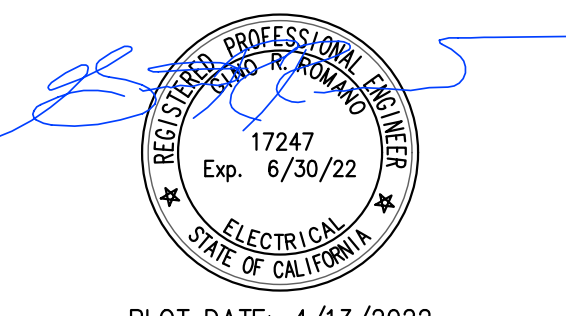
120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART

LOAD IN VOLT AMPERES	LENGTH OF CONDUCTOR WIRE SIZE IN (GAUGE)			
	#12	#10	#8	#6
1200VA	74	121	183	284
1560VA	57	93	141	218
1800VA	49	81	122	189
1920VA	46	76	115	178
2340VA	X	62	94	146
2880VA	X	51	76	118
3000VA	X	48	73	114
3900VA	X	X	56	87
4800VA	X	X	46	71

- NOTES
- THIS CHART IS FOR COPPER CONDUCTORS ONLY.
 - THIS CHART ASSUMES AN 80% POWER FACTOR AND STEEL RACEWAYS.
 - 2019 CALIFORNIA ENERGY CODE, 130.5(c) ALLOWS A MAXIMUM COMBINED VOLTAGE DROP OF 5%. THIS CHART ASSUMES A MAXIMUM DROP OF 3% FOR FEEDERS. THIS CHART PROVIDES THE MAXIMUM LENGTH OF CONDUCTORS FOR LESS THAN 2% VOLTAGE DROP ON A BRANCH CIRCUIT AT GIVEN VA LOAD.
 - USE WIRE SIZE FROM THIS CHART UNLESS LARGER CONDUCTOR SIZES ARE NOTED ON THE DRAWINGS.
 - FOR VA VALUES NOT SHOWN USE NEXT HIGHEST VALUE FROM THE CHART



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PLOT DATE: 4/13/2022

SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

Revision

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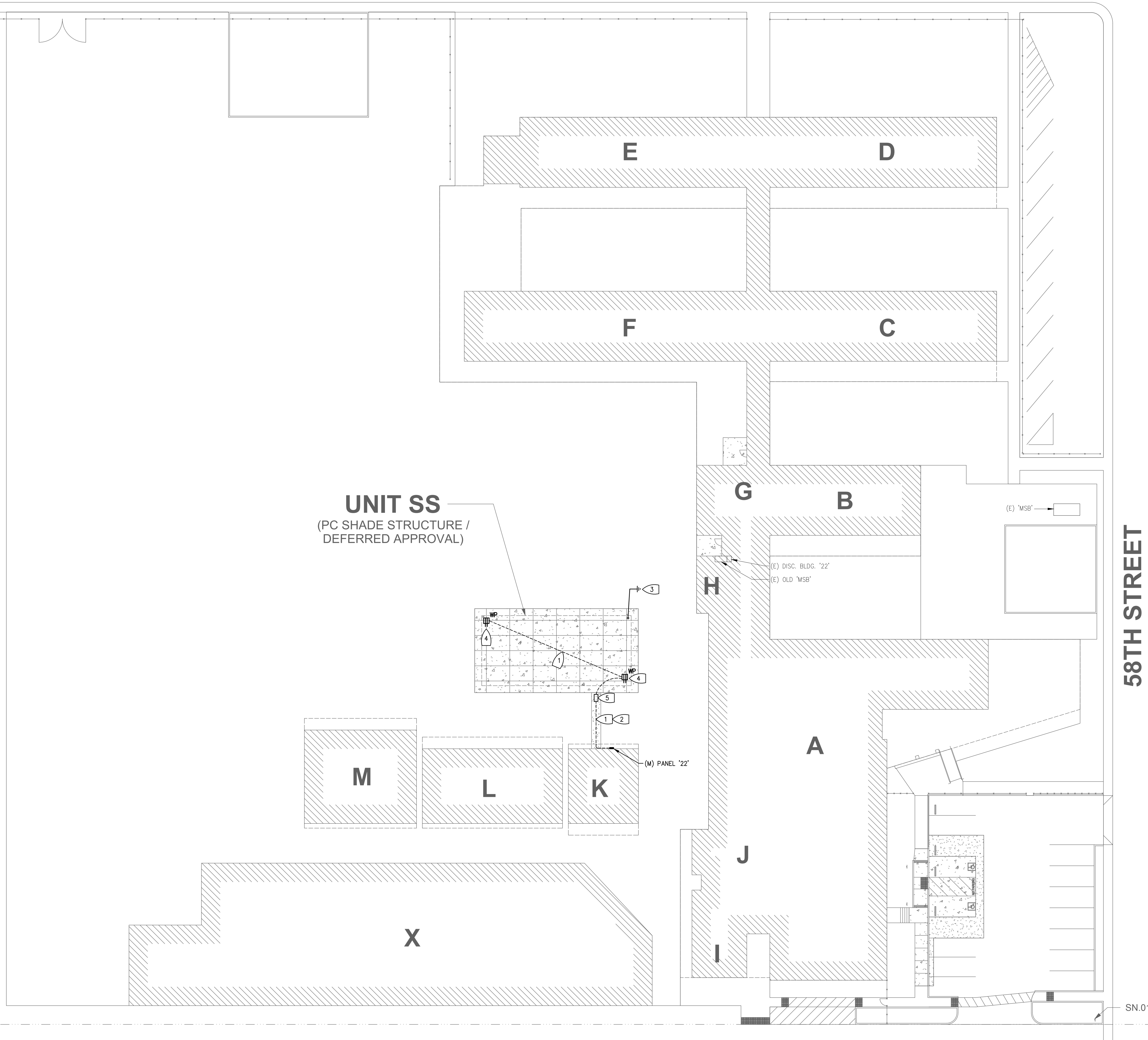
SYMBOLS, NOTES

PROJECT NO. 1504.14
 DATE: 3/21/2022
 SHEET

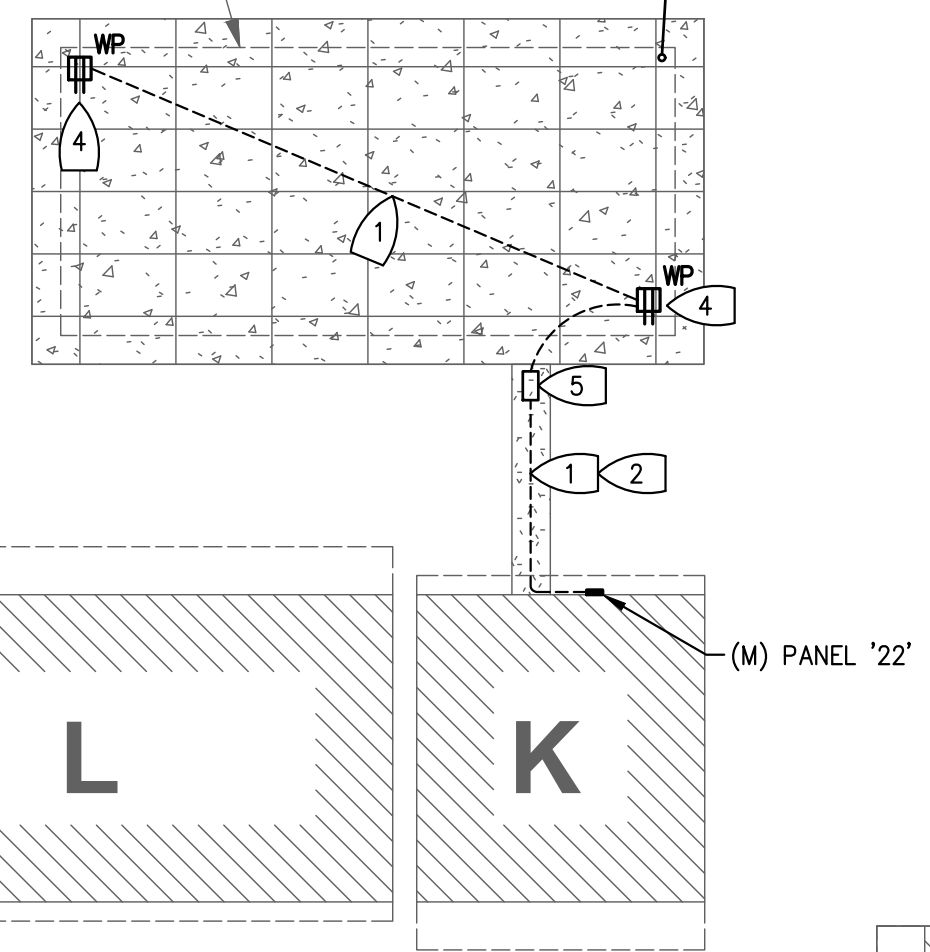
E0.1

22ND AVENUE

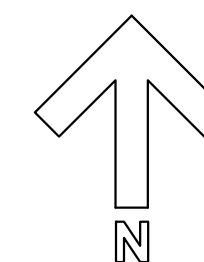
58TH STREET



UNIT SS
(PC SHADE STRUCTURE /
DEFERRED APPROVAL)



1 SITE PLAN - ELECTRICAL
SCALE: 1"=20'

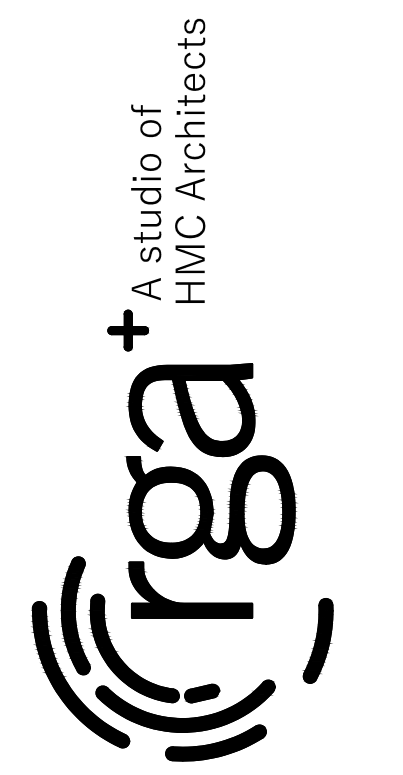
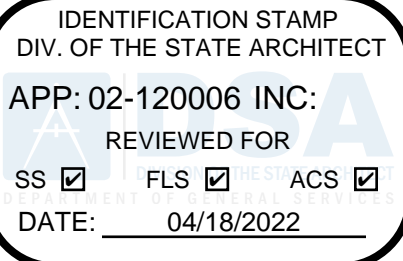


SHEET NOTES:

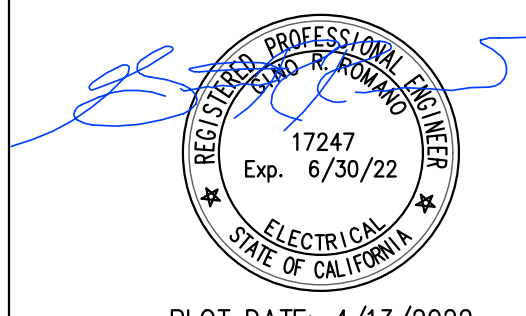
1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY. SEE ONE LINE DIAGRAM AND PANEL SCHEDULE ON SHEET **E2.1** FOR REFERENCE.

KEYED NOTES:

- 1 PROVIDE TRENCH FOR 24 INCH MINIMUM COVER. LOCATE AND PROTECT (E) UTILITIES, I.E. IRRIGATION, SEWER, DRAINAGE PIPES, ETC. SAW CUT AND PATCH BACK (E) ASPHALT. PROVIDE SAND TO COVER CONDUIT TO SIX(6) INCHES, THEN ADD TRACER TAPE. COMPLETE BACKFILL TO GRADE WITH NATIVE SOIL. COMPACT IN SIX(6) LIFTS. FINISH TO MATCH EXISTING. SEE DETAIL **3/E3.1**.
- 2 DROP CONDUIT TO BELOW ASPHALT. TRENCH TO SHADE LOCATION, INTERCEPTING THE CHRISTY BOX ALONG THE WAY. PAINT EXPOSED CONDUIT TO MATCH (E) FINISH.
- 3 PROVIDE AT MINIMUM TWO(2) GROUND RODS, EACH 5/8" BY TEN(10) FEET LONG, CU, AT LEAST TEN(10) FEET APART. BOND TO METAL OF SHADE STRUCTURE. SEE DETAIL **5/E3.1**.
- 4 LOCKABLE, WEATHERPROOF RECEPTACLE TO HAVE A TWO-GANG BACK BOX WITH 1" THREADED PORT(S). MOUNT RECEPTACLES 36" ABOVE GRADE UNLESS SPECIFIED OTHERWISE. SEE DETAIL **4/E3.1**.
- 5 PROVIDE CHRISTY B1324 PULL BOX WITHIN FIVE(5) FT OF SHADE STRUCTURE. CHRISTY BOX TO HAVE HOLD DOWN BOLTS AND BE LABELED FOR POWER. SEE DETAIL **2/E3.1**.



PETERS engineering
7750 College Town Dr. ste.101
Sacramento, CA 95826
Tel (916) 447-5841
www.peterseng.com
Job no. 22.020
consulting mechanical and electrical engineers



PLOT DATE: 4/13/2022

SHADE STRUCTURE AT MARK TWAIN
ELEMENTARY SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

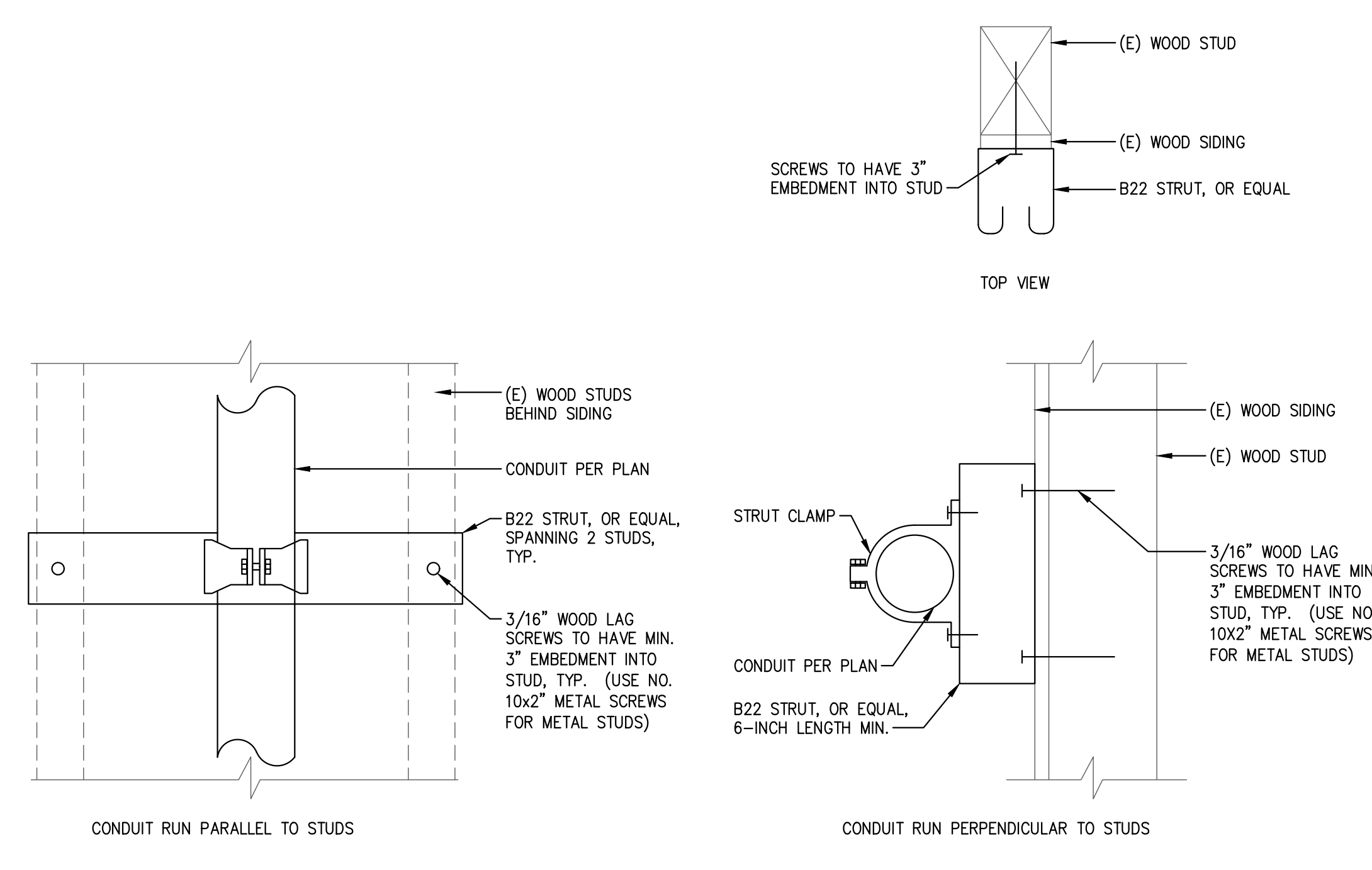
Revision

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SITE PLAN - ELECTRICAL

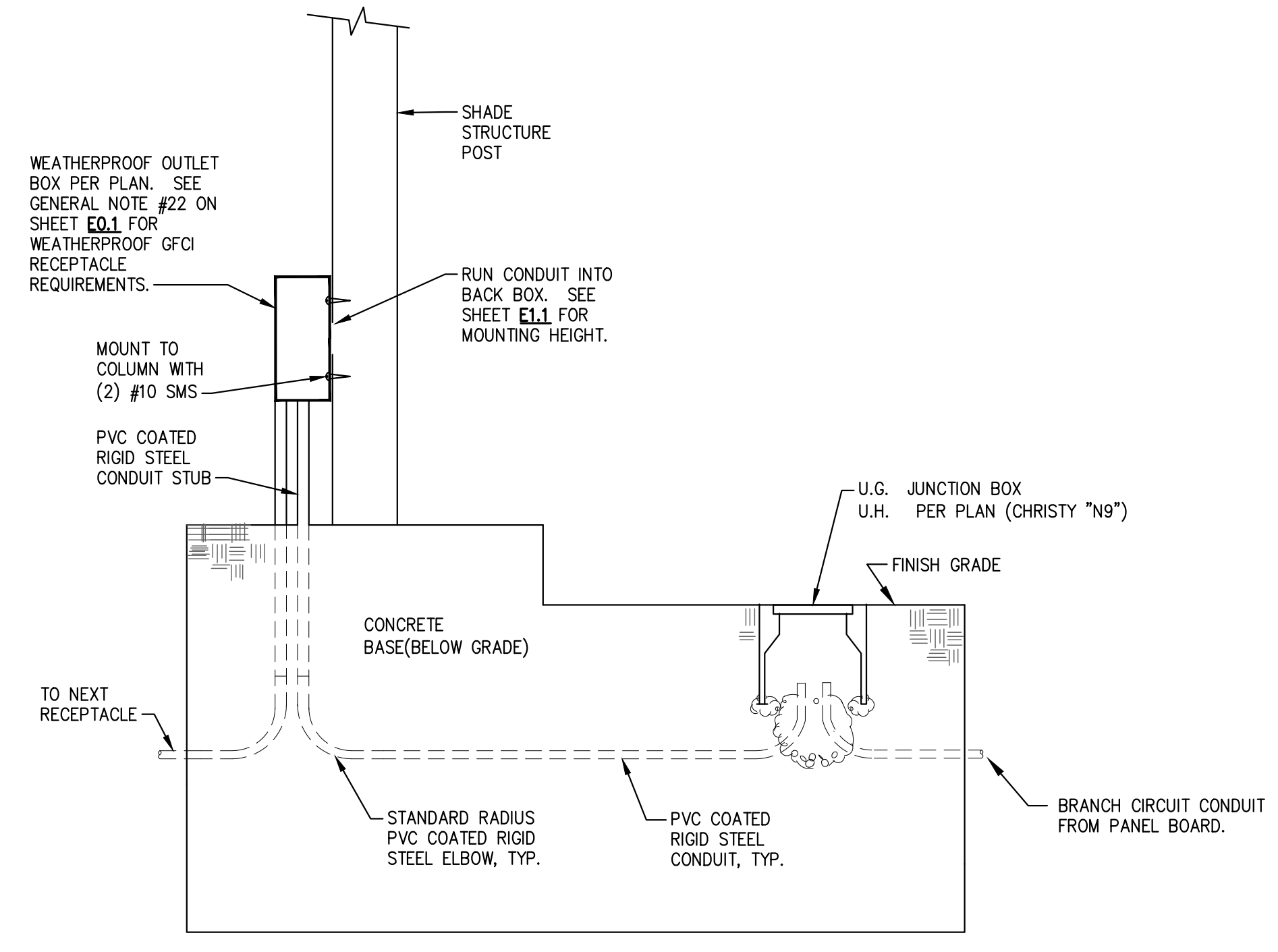
PROJECT NO. 1504.14
DATE: 3/21/2022
SHEET

E1.1

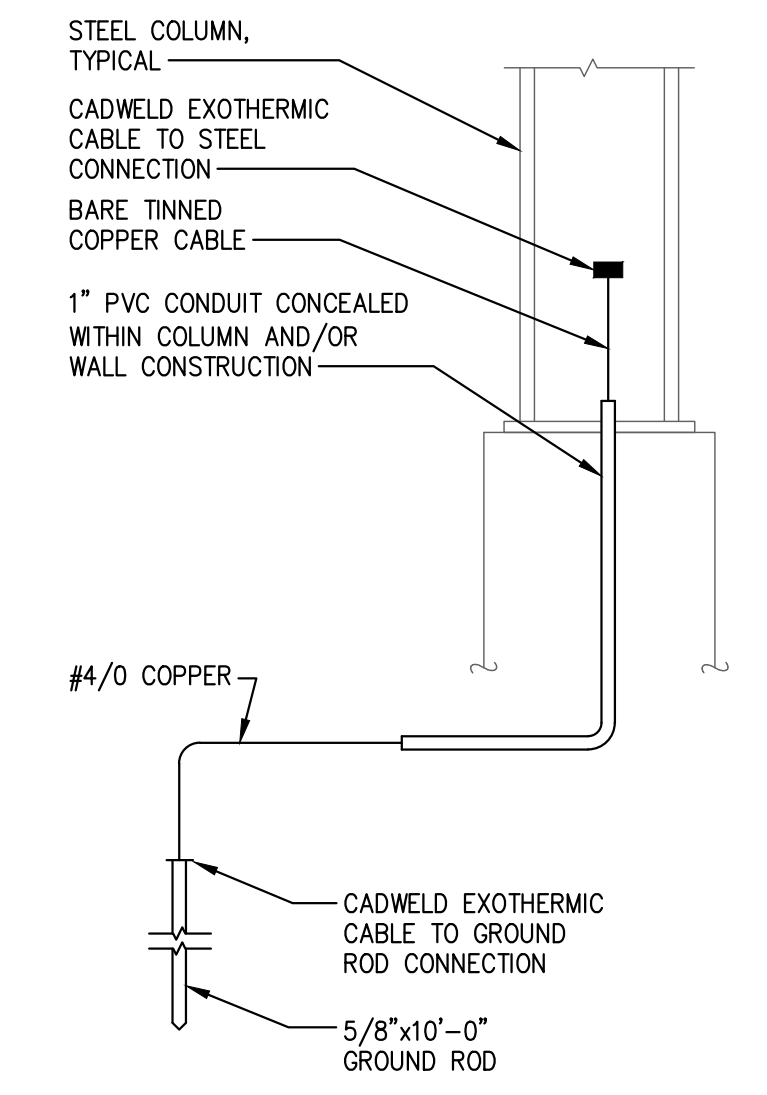


- NOTES:
- CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING TEN(10) FEET AND NOT MORE THAN THREE(3) FEET FROM THE OUTLET AND AT ANY POINT WHERE IT CHANGES DIRECTION.
 - PERFORATED STRAP AND PLUMBER'S TAPE SHALL NOT BE PERMITTED.
 - MAXIMUM CONDUIT AND CONDUCTOR WEIGHT IS 1.83LBS PER LINEAR FOOT.

7 CONDUIT MOUNTING DETAIL - STUD WALLS
 SCALE: NONE

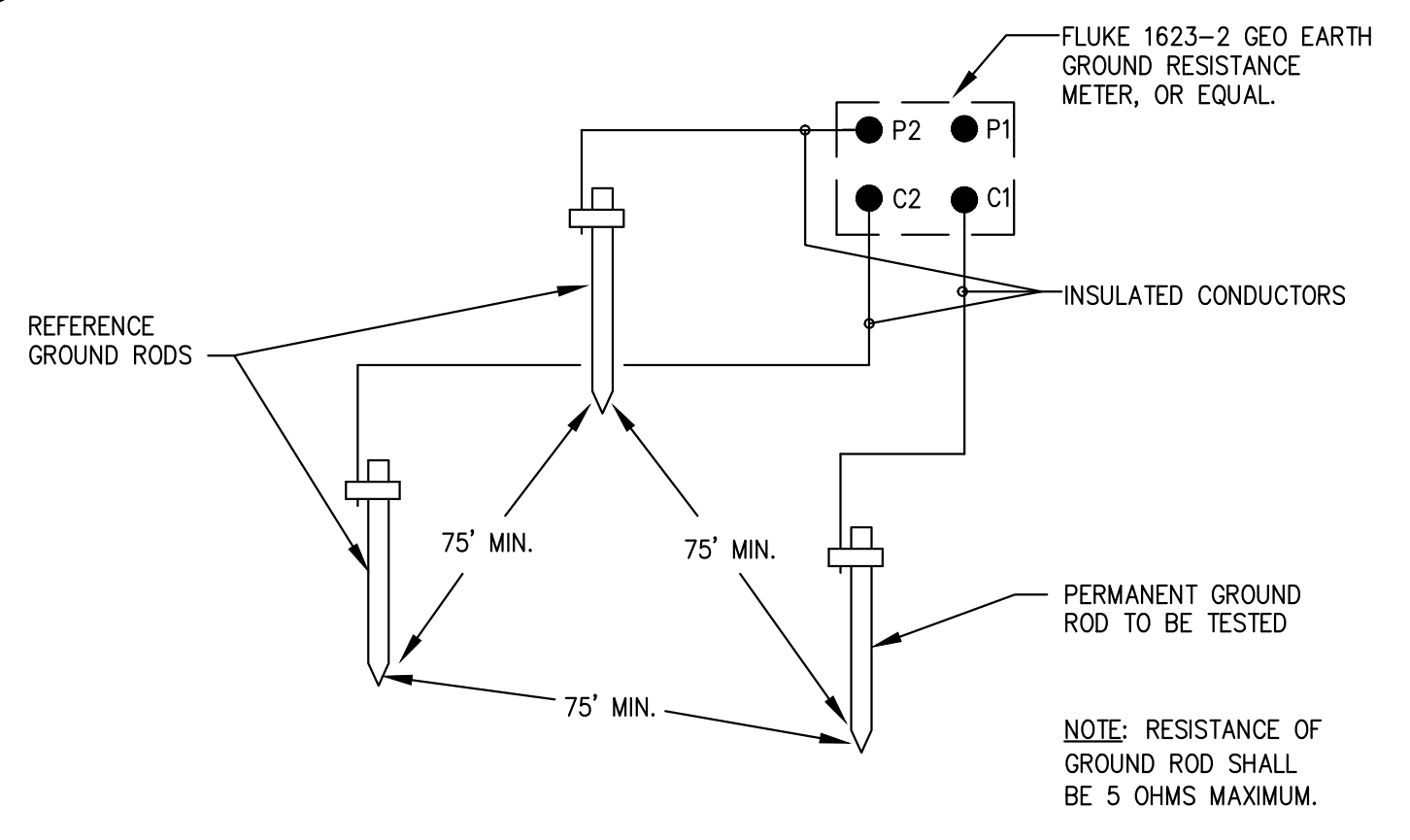


4 CONDUIT STUB IN POST DETAIL
 SCALE: NONE



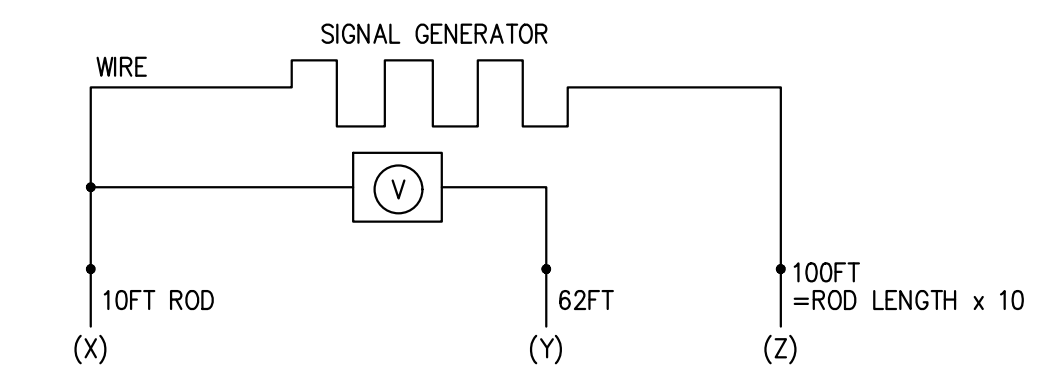
- NOTES:
- ALL GROUNDING CONNECTIONS SHALL BE IN CONFORMANCE WITH N.E.C. ARTICLE 250.
 - FOR ALL ADDITIONAL REQUIREMENTS REFER TO SPEC SECTIONS 26 05 10.

5 TYPICAL STEEL COLUMN & REBAR GROUNDING DETAIL
 SCALE: NONE



- FALL OF POTENTIAL TEST METHOD
 NOTES:
- POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500KVA OR LESS: 10 OHMS.
 - POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500 TO 1000KVA: 5 OHMS.
 - POWER EQUIPMENT OR SYSTEMS WITH CAPACITY GREATER THAN 1000KVA: 3 OHMS.
 - POWER DISTRIBUTION UNITS OR PANELBOARDS SERVING ELECTRONIC I.T. EQUIPMENT: 3 OHMS.
 - MAN-HOLE GROUNDS: 10 OHMS.

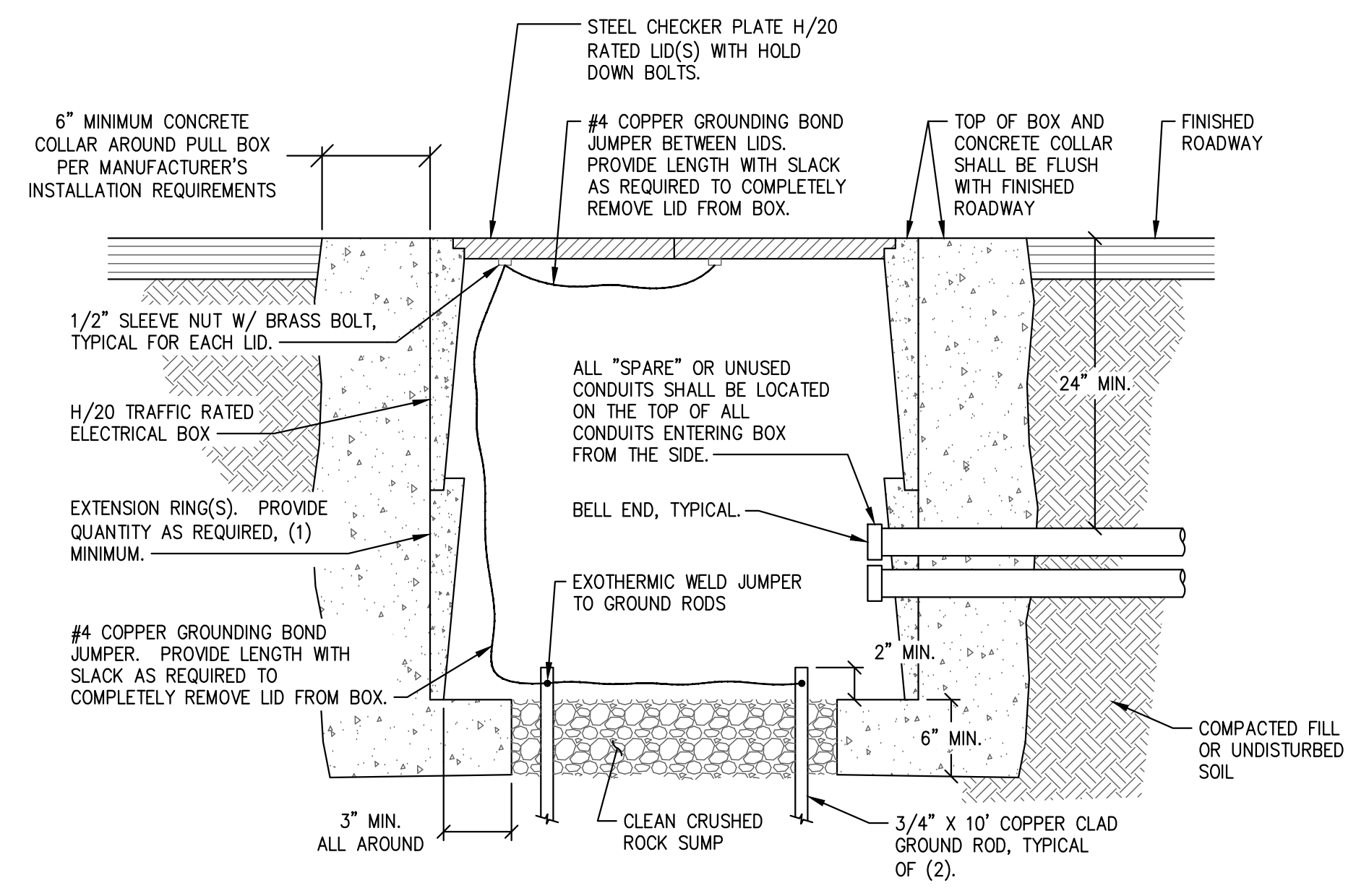
FALL OF POTENTIAL 3-POINT TEST:
 GROUND ROD, I.E. 10 BY 10 RING, 14\"/>



AT THIS POINT, A KNOWN CURRENT IS APPLIED ACROSS X & Z, WHILE THE RESULTING VOLTAGE IS MEASURED ACROSS X & Y. OHMS LAW APPLIED $R=V/I$. THEN (Y) MOVED TO 2 TIMES THE DIAGONAL LENGTH, THEN MOVE OUT TO 3 TIMES(3X), 4X, ... 9X THE DIAGONAL LENGTH TO COMPLETE THE 3 POINT TEST WITH A TOTAL OF NINE RESISTANCE MEASUREMENTS.

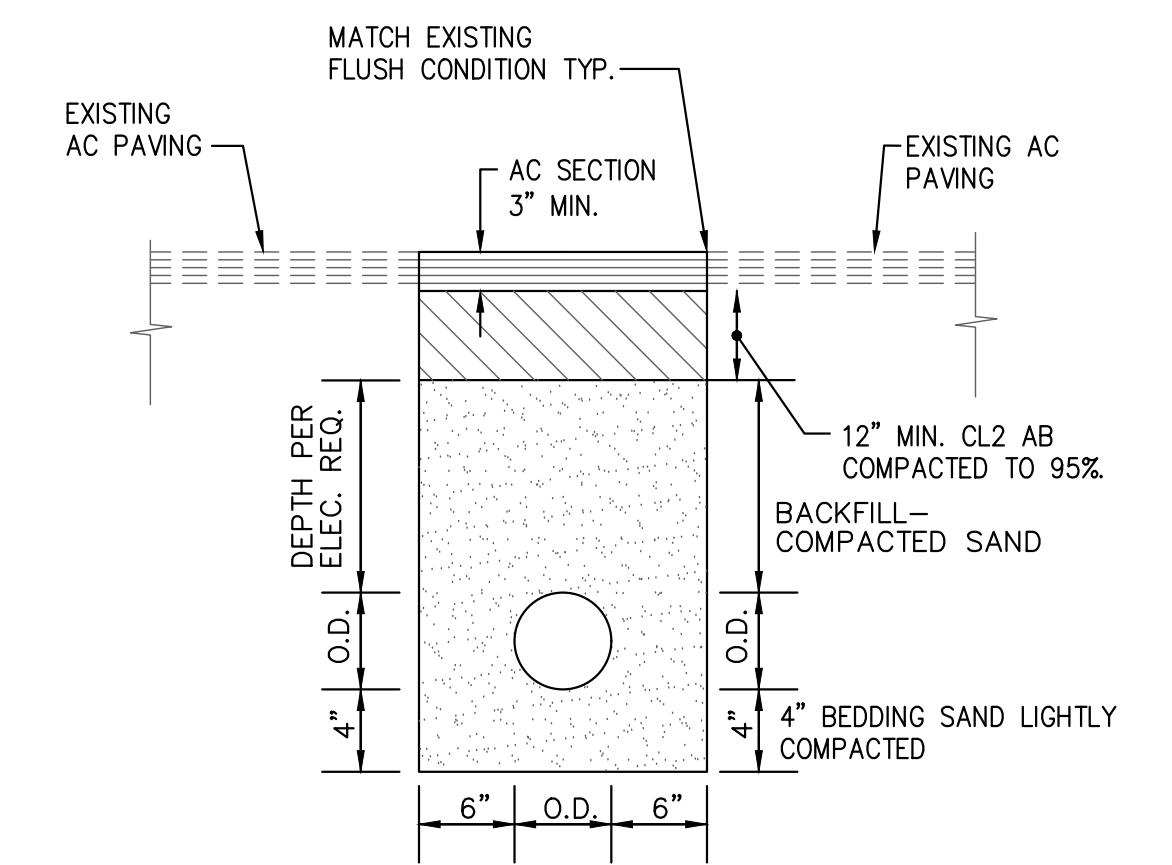
6 METHOD OF TESTING GROUND RODS DETAIL
 SCALE: NONE

1 DETAIL REMOVED
 SCALE: NONE

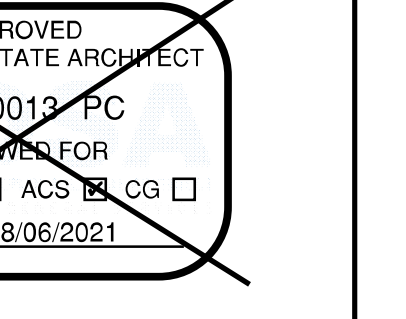
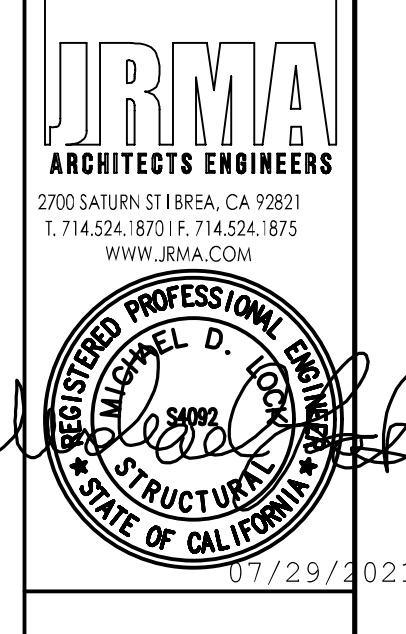
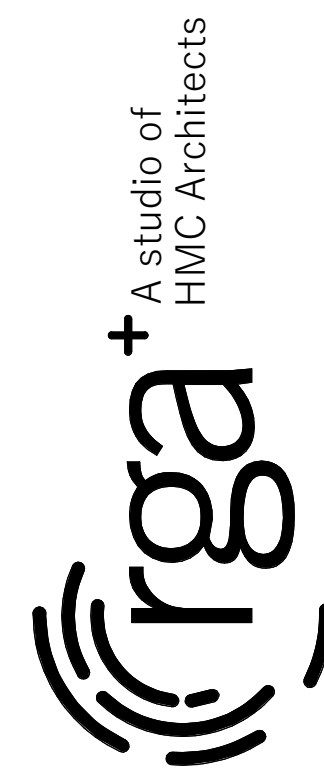


- NOTES:
- PROVIDE H/20 TRAFFIC RATED BOXES IN ALL LOCATIONS WITH VEHICLE TRAFFIC
 - CONTRACTOR SHALL PROVIDE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR H/20 TRAFFIC RATING REQUIREMENTS AS PART OF THE SUBMITTALS.

2 TYPICAL H/20 TRAFFIC RATED PULL BOX
 SCALE: NONE



3 TYPICAL TRENCH DETAIL
 SCALE: NONE



SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Revision

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GENERAL INFO

1455 LINCOLN AVE. HOLLAND MI, 49423 616.396.0919 800.748.0985 616.396.0944 FX

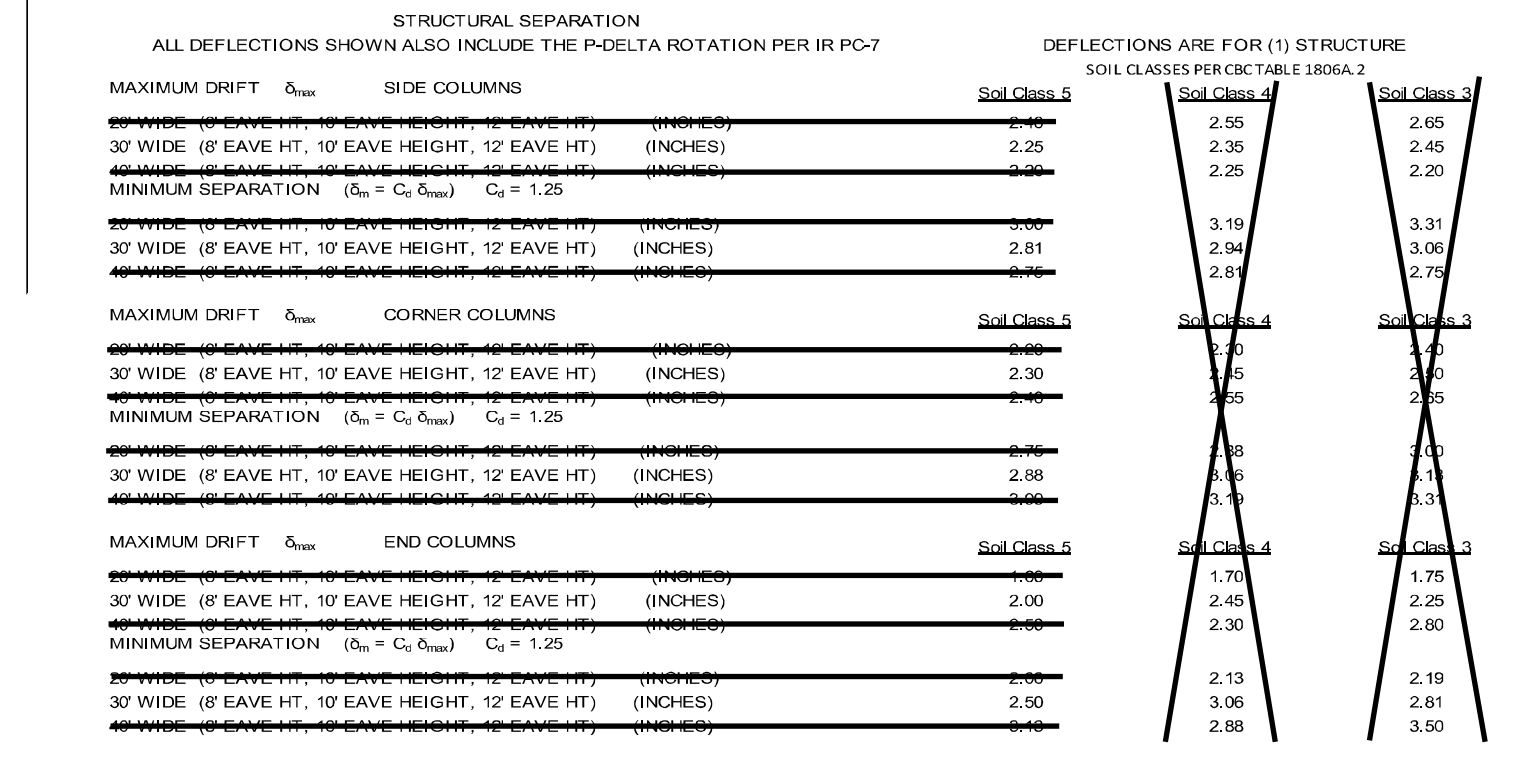
PROJECT NO. 1504.14 DATE: 3/22/2022 SHEET

LS1.0

DESIGN CRITERIA table with columns for DESCRIPTION and DESIGN VALUES. Includes sections for DEAD AND LIVE LOADS, WIND DESIGN, SEISMIC DESIGN, and FLOOD DESIGN.

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. Includes general notes, structural and miscellaneous steel, and foundation notes.

REINFORCING STEEL, WELDING, BOLTING, FOUNDATIONS, and CONCRETE sections. Includes detailed specifications for materials, construction methods, and quality control.



INSTRUCTIONS FOR ARCHITECTS SUBMITTING THESE PRE-CHECKED DRAWING TO DSA. Includes steps for selecting frame dimensions, roof panel type, and foundation requirements.

CONCRETE table with columns for STRENGTH (fc), W/C RATIO, W/C RATIO (AIR ENTRAINED), SLUMP, and UNIT WEIGHT. Includes notes on design parameters and aggregate size.

ARCHITECTURAL REQUIREMENTS table with columns for DESCRIPTION and DESIGN VALUES. Lists requirements for construction type, occupancy, and fire sprinkler system.

STEP 1-4 instructions for project site and foundation design. Includes tables for SOIL CLASSIFICATION and SOIL CLASSIFICATION PER CBC 1806A.2.

STEP 5-8 instructions for roof design. Includes tables for SHEET INDEX, SOIL REGION, and TOTAL ROOF DEAD LOAD.

RELATED BUILDING CODES AND STANDARDS. Lists applicable codes such as 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), 2019 CALIFORNIA BUILDING CODE (CBC), and 2019 CALIFORNIA ELECTRICAL CODE.

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY. States that the design professional is not responsible for the design of the structure or the construction thereof.

CONSTRUCTION NOTES. Includes instructions for the contractor regarding material quality, construction methods, and inspection requirements.

SCOPE OF WORK NARRATIVE. Describes the work to be performed, including the fabrication and installation of a free-standing prefabricated steel shade structure.

GENERAL INFO. Provides contact information for the design professional and the architect, including address and phone numbers.

DESIGN CRITERIA FOR 4914 58TH STREET, SACRAMENTO, CA 95820. Table with columns for DESCRIPTION and DESIGN VALUES, including wind speed, risk category, and seismic design.

ABBREVIATIONS table listing various acronyms and their full names, such as ACI, AISC, and ASHRAE.

STEP 9 instructions for roof design. Includes tables for MISCELLANEOUS, SHEET INDEX, and SOIL REGION.

STEP 10 instructions for project site and foundation design. Includes tables for PROJECT SITE, SOIL REGION, and TOTAL ROOF DEAD LOAD.

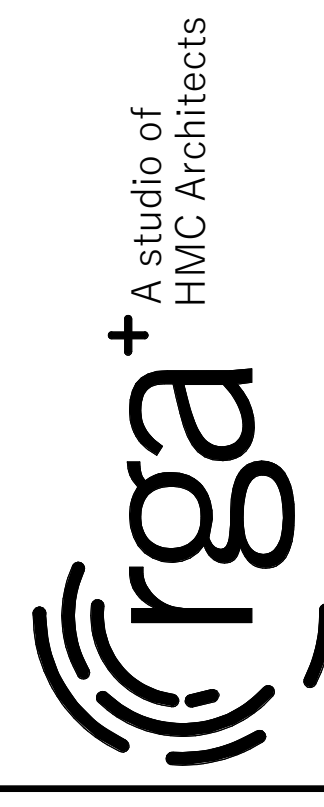
DESIGN CRITERIA FOR 4914 58TH STREET, SACRAMENTO, CA 95820. Table with columns for DESCRIPTION and DESIGN VALUES, including wind speed, risk category, and seismic design.

GENERAL INFO table with columns for DRAWN BY, DATE, REV, and REV DATE. Includes project name and sheet number.

STEP 7 instructions for roof design. Includes tables for MISCELLANEOUS and SHEET INDEX.

STEP 6 instructions for roof design. Includes tables for MISCELLANEOUS and SHEET INDEX.

DESIGN CRITERIA FOR 4914 58TH STREET, SACRAMENTO, CA 95820. Table with columns for DESCRIPTION and DESIGN VALUES, including wind speed, risk category, and seismic design.

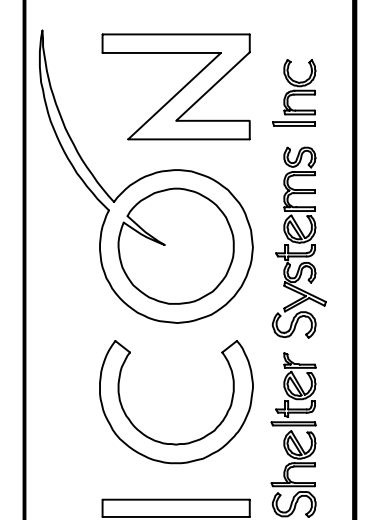


ICON STD: RH/USA-PC
DRAWN BY: ANGEL
DATE: 4/2/2021
REV
REV DATE



APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120013-PC
REVIEWED FOR
SS □ PS □ ACS □ CG □
DATE: 08/06/2021

DSA 103



1455 LINCOLN AVE
HOLLAND MI, 49423
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800.748.0985
616.396.0944 FX

LS1.1

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

PRINTED ON:

SHADE STRUCTURE AT MARK TWAIN
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

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DSA 103

PROJECT NO. 1504.14
DATE: 3/22/2022
SHEET LS1.1

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 5. RETAINING WALLS and 6. OTHER SOIL.

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 3 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 19.1 SHOP WELDING and 23. ANCHOR BOLTS AND ANCHOR RODS.

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 8 of 11

FOR ALL TESTING AND INSPECTION ITEMS SEE THE DSA APPROVED 103 FOR THIS PROJECT.

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes section 4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS).

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 3 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSE and 19. WELDS.

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 7 of 11

DSA 103-19: LIST OF REQUIRED VERIFIED REPORTS, CBC 2019

- 1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 11 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes section 1. GENERAL.

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 1 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSE and 18. HIGH-STRENGTH BOLTS: RCSC 2.

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 6 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SIGNATURE), 2019 CBC

Name of Architect or Engineer in general contract language:
Name of Structural Engineer (When structural design has been approved):
Signature of Architect or Structural Engineer:
Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA documents against using secured electronic or digital signatures.

DSA STAMP

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 10 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes section 1. GENERAL.

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 1 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes sections 2. CAST-IN-PLACE CONCRETE and 3. SOIL COMPACTION AND FILL.

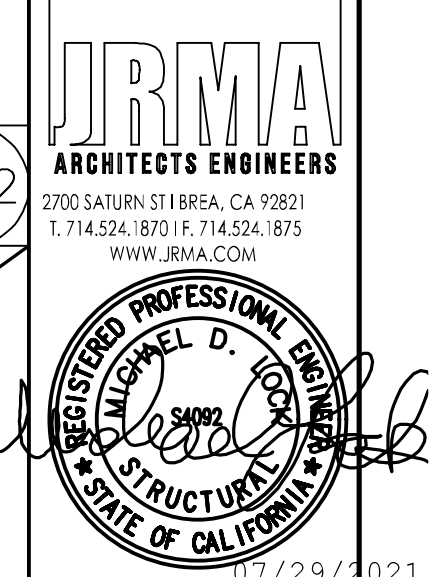
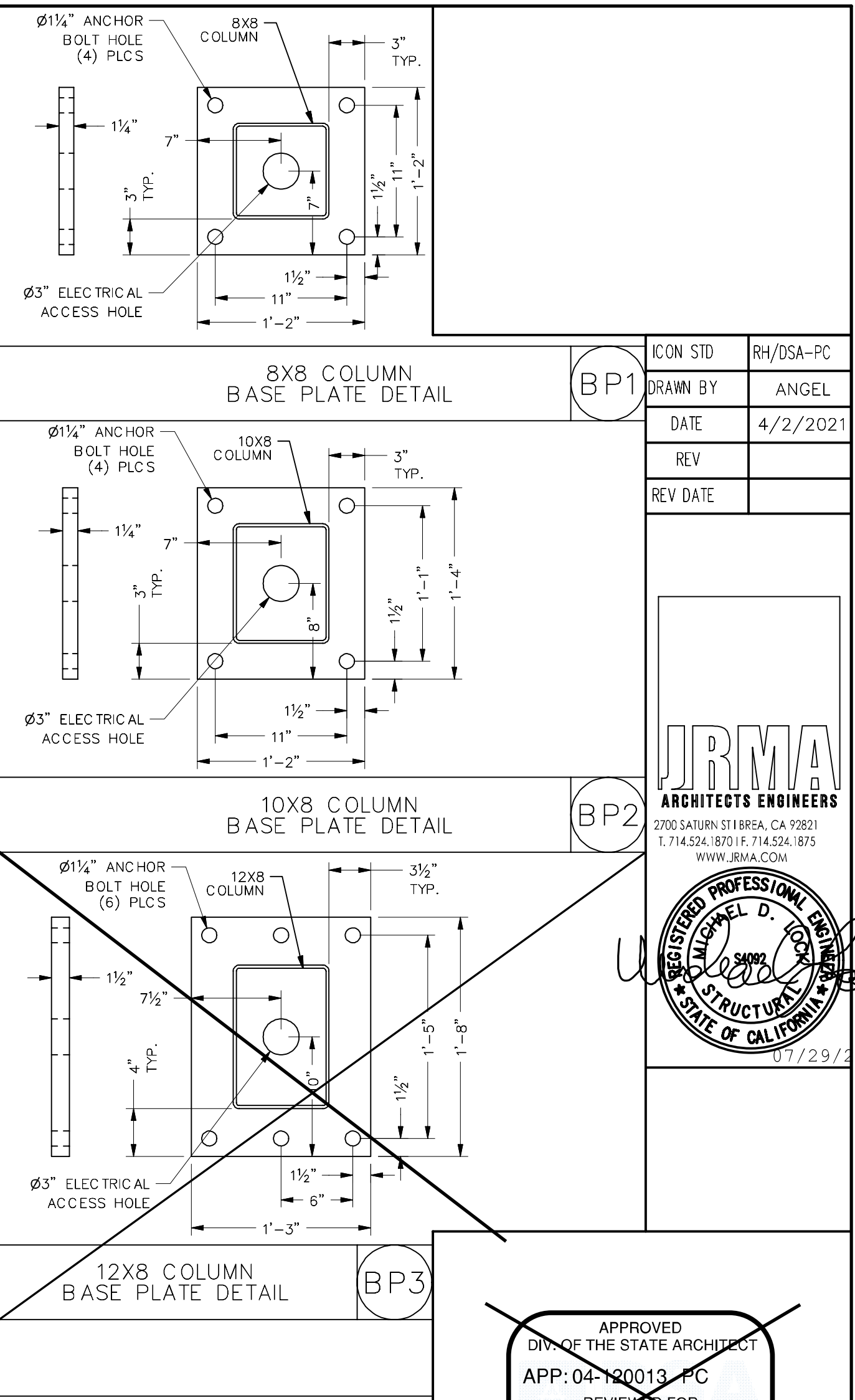
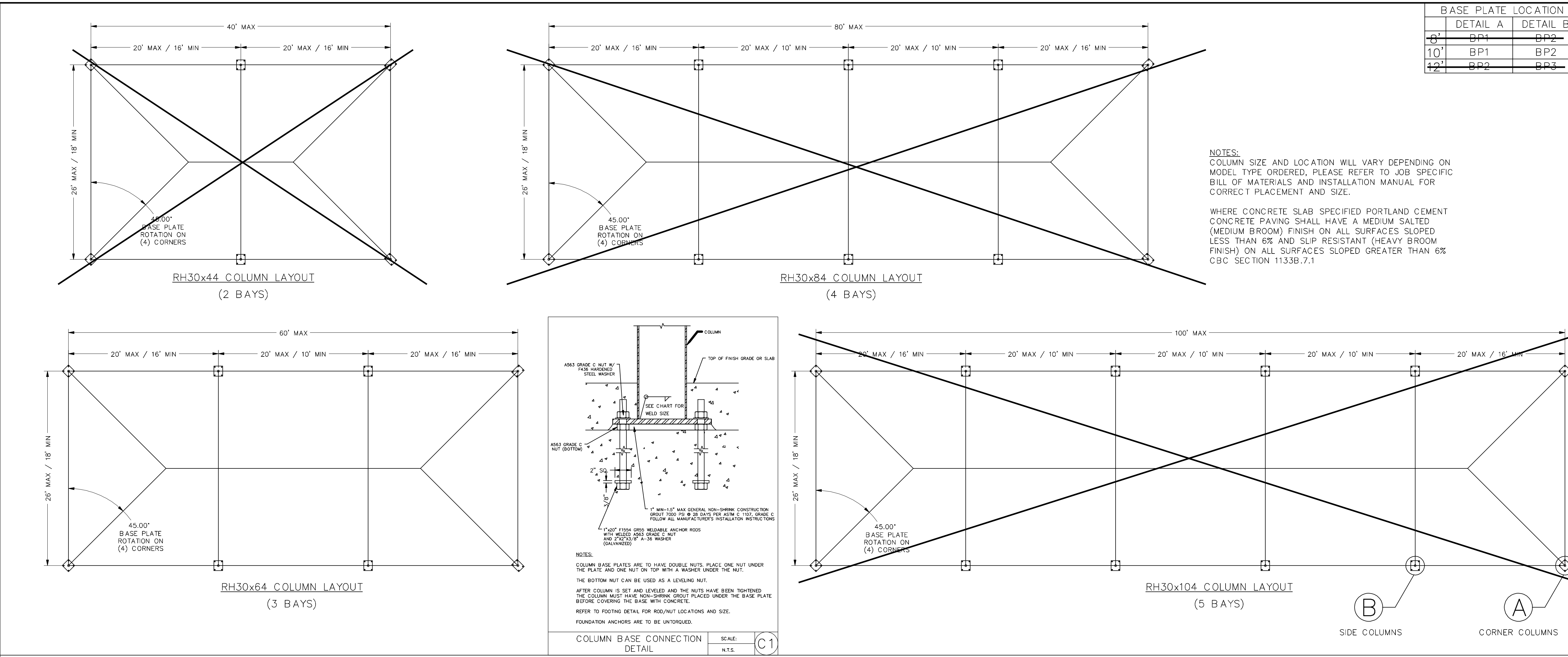
DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 5 of 11

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

Table with columns: Test or Special Inspection, Type, Performed By, Code References and Notes. Includes section 23. ANCHOR BOLTS AND ANCHOR RODS.

DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 11 of 11

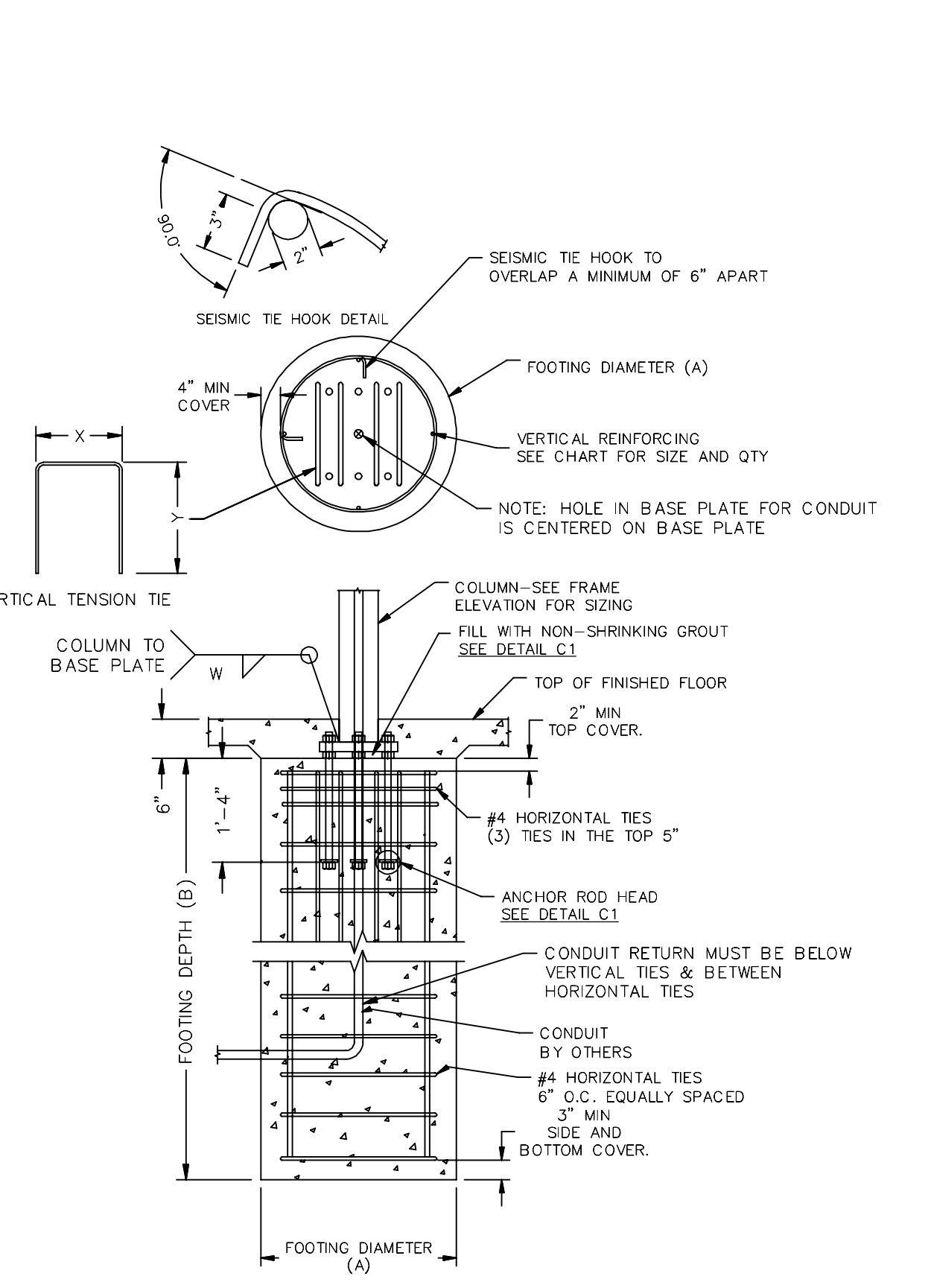
DSG DSA 103-19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA
Page 11 of 11



30' WIDE RECTANGULAR HIP

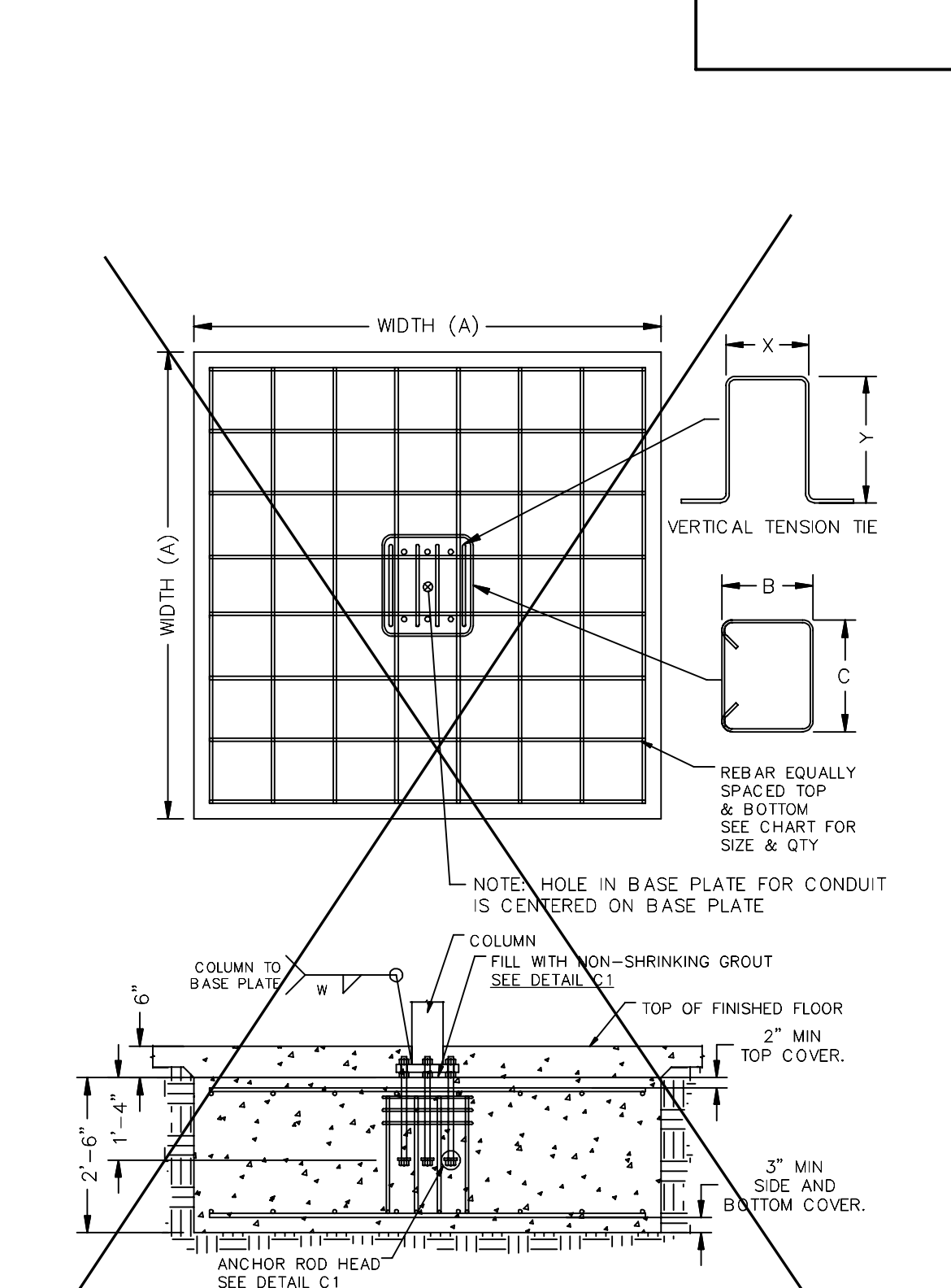
RH30 - PIER

8' height - Corner Columns				8' height - Side Columns				10' height - Corner Columns				10' height - Side Columns			
Soil Class	Depth (in)	Rebar Qty	Rebar Size	Soil Class	Depth (in)	Rebar Qty	Rebar Size	Soil Class	Depth (in)	Rebar Qty	Rebar Size	Soil Class	Depth (in)	Rebar Qty	Rebar Size
Class 3 - 3000 psf Bearing	24	114	6	6	Class 3 - 3000 psf Bearing	24	88	6	6	Class 3 - 3000 psf Bearing	30	118	6	6	6
Class 4 - 2000 psf Bearing	24	98	6	6	Class 4 - 2000 psf Bearing	30	132	6	6	Class 4 - 2000 psf Bearing	24	102	6	6	6
Class 5 - 1500 psf Bearing	36	144	12	6	Class 5 - 1500 psf Bearing	30	124	8	6	Class 5 - 1500 psf Bearing	30	112	8	6	6



RH30 - SPREAD

8' height - Corner Columns				8' height - Side Columns				10' height - Corner Columns				10' height - Side Columns			
Soil Class	Depth (in)	Rebar Qty	Rebar Size	Soil Class	Depth (in)	Rebar Qty	Rebar Size	Soil Class	Depth (in)	Rebar Qty	Rebar Size	Soil Class	Depth (in)	Rebar Qty	Rebar Size
Class 3 - 3000 psf Bearing	60	30	4	6	Class 3 - 3000 psf Bearing	56	30	4	6	Class 3 - 3000 psf Bearing	68	30	5	6	6
Class 4 - 2000 psf Bearing	56	30	4	6	Class 4 - 2000 psf Bearing	72	30	5	6	Class 4 - 2000 psf Bearing	60	30	4	6	6
Class 5 - 1500 psf Bearing	80	30	5	6	Class 5 - 1500 psf Bearing	66	30	5	6	Class 5 - 1500 psf Bearing	81	30	5	6	6



SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE BP3 IS A (6) BOLT

SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE BP3 IS A (6) BOLT

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

LS3.0

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SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

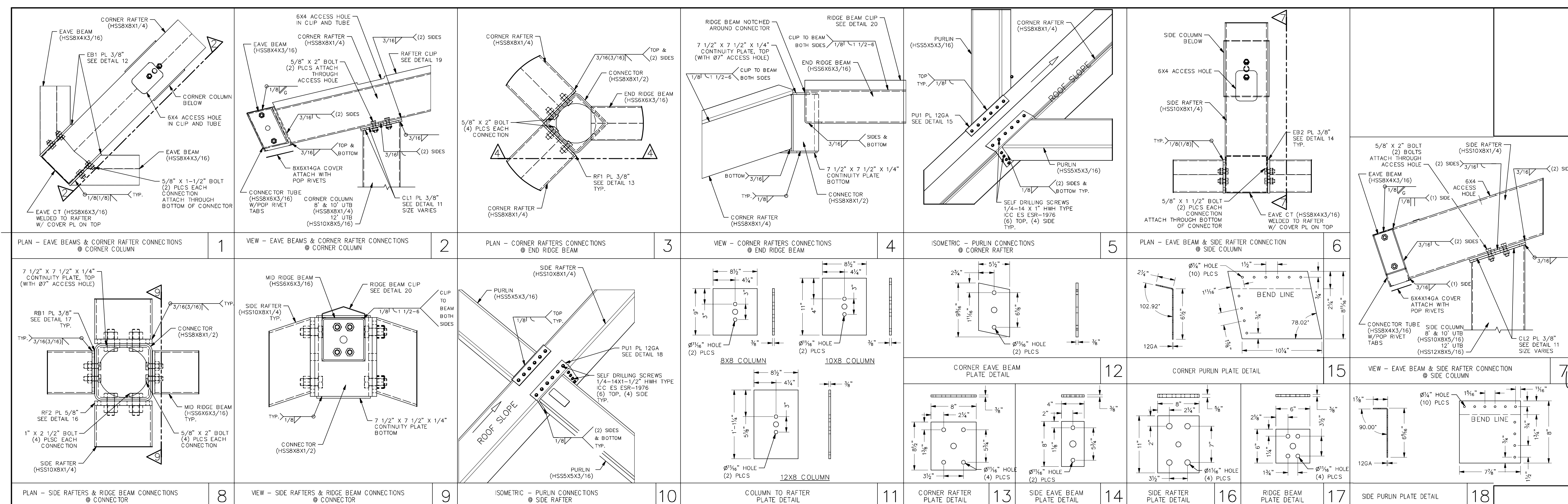
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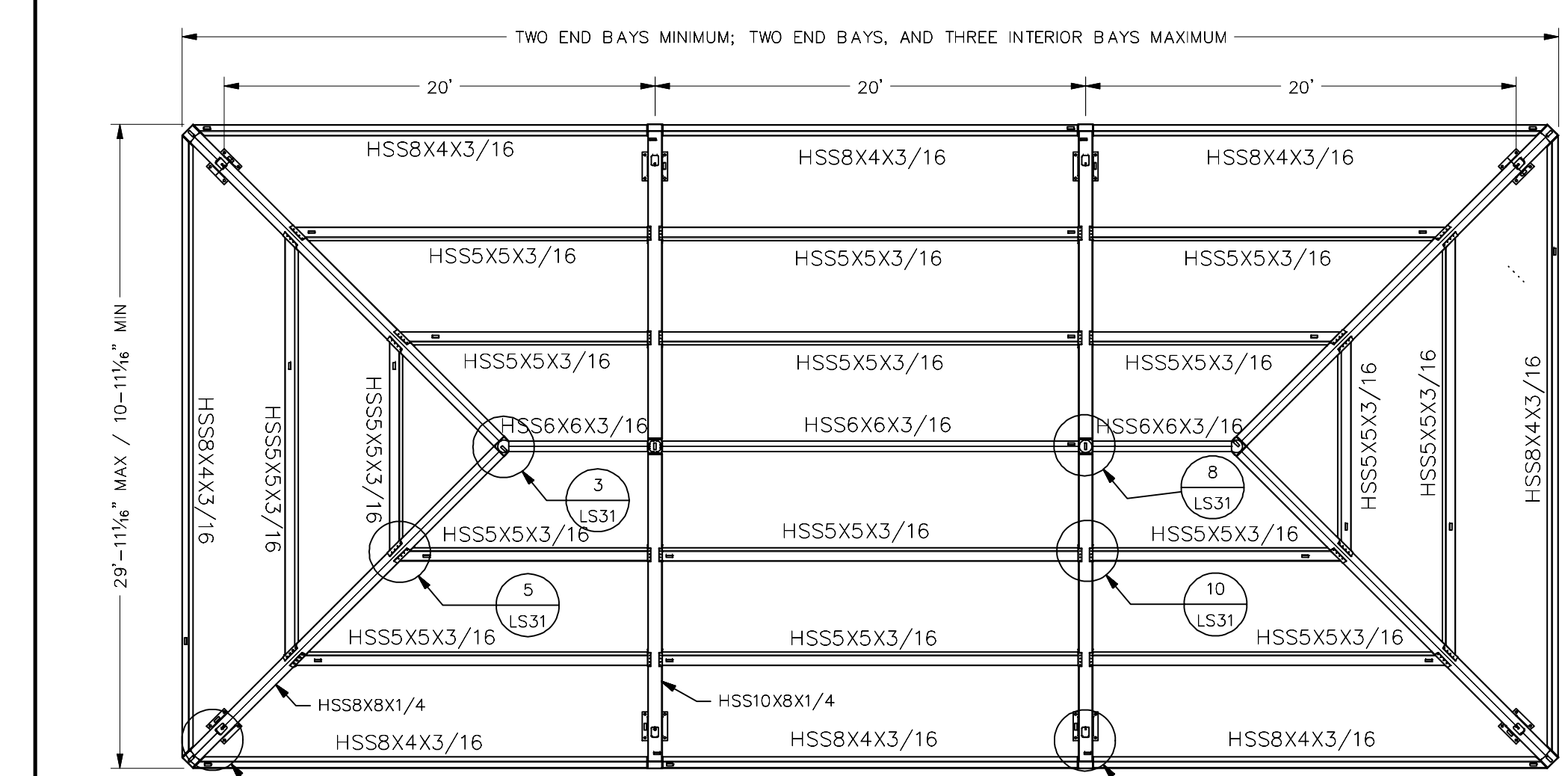
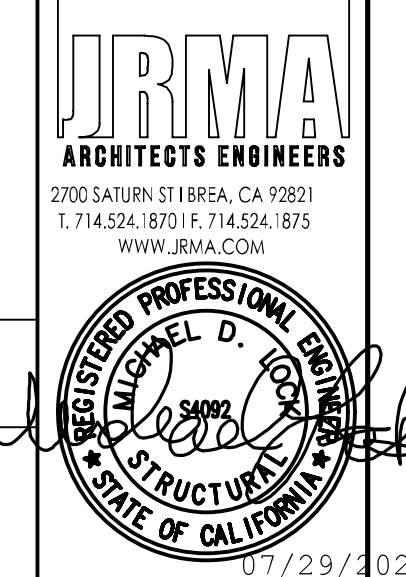
30' WIDE RECTANGULAR HIP FOUNDATION PLAN

PROJECT NO. 1504.14
DATE: 3/22/2022
SHEET

LS3.0



ICON STD	RH/USA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	



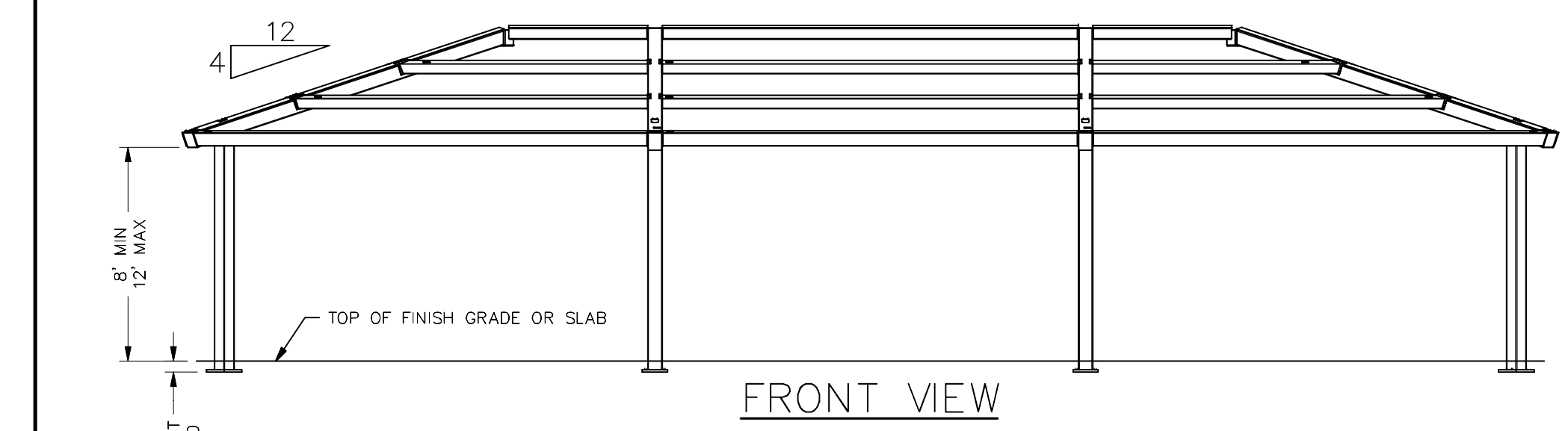
**NOTE:
QUANTITIES WILL VARY DEPENDING ON SHELTER SIZE ORDERED. PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL.

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	4		CORNER COLUMN	**SEE NOTE BELOW		353 lbmass
2	*		SIDE COLUMN	**SEE NOTE BELOW		399 lbmass
3	2		LH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
4	2		RH SIDE EAVE BEAM	HSS8X4X3/16		311 lbmass
5	2		END EAVE BEAM	HSS8X4X3/16		422 lbmass
6	*		SIDE EAVE BEAM	HSS8X4X3/16		287 lbmass
7	4		CORNER RAFTER	HSS8X8X1/4		607 lbmass
8	*		SIDE RAFTER	HSS10X8X1/4		474 lbmass
9	2		END RIDGE BEAM	HSS8X6X3/16		149 lbmass
10	*		MID RIDGE BEAM	HSS8X6X3/16		328 lbmass
11	*		CONNECTOR	HSS8X8X1/2		48 lbmass
12	2		LH SIDE PURLIN 1	HSS5X5X3/16		238 lbmass
13	2		RH SIDE PURLIN 1	HSS5X5X3/16		238 lbmass
14	2		END PURLIN 1	HSS5X5X3/16		278 lbmass
15	2		LH SIDE PURLIN 2	HSS5X5X3/16		167 lbmass
16	2		RH SIDE PURLIN 2	HSS5X5X3/16		167 lbmass
17	2		END PURLIN 2	HSS5X5X3/16		137 lbmass
18	*		MID PURLIN	HSS5X5X3/16		284 lbmass

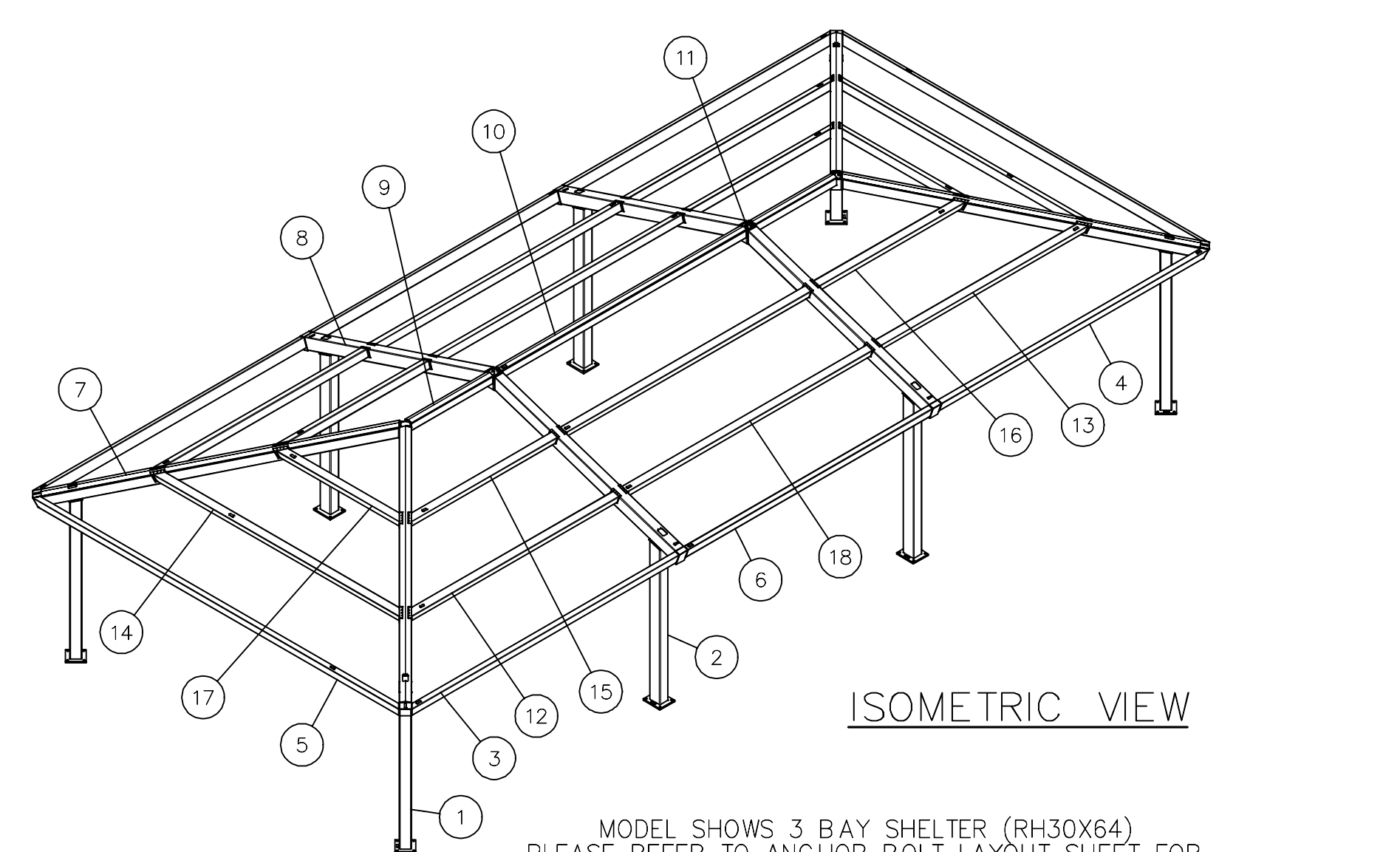
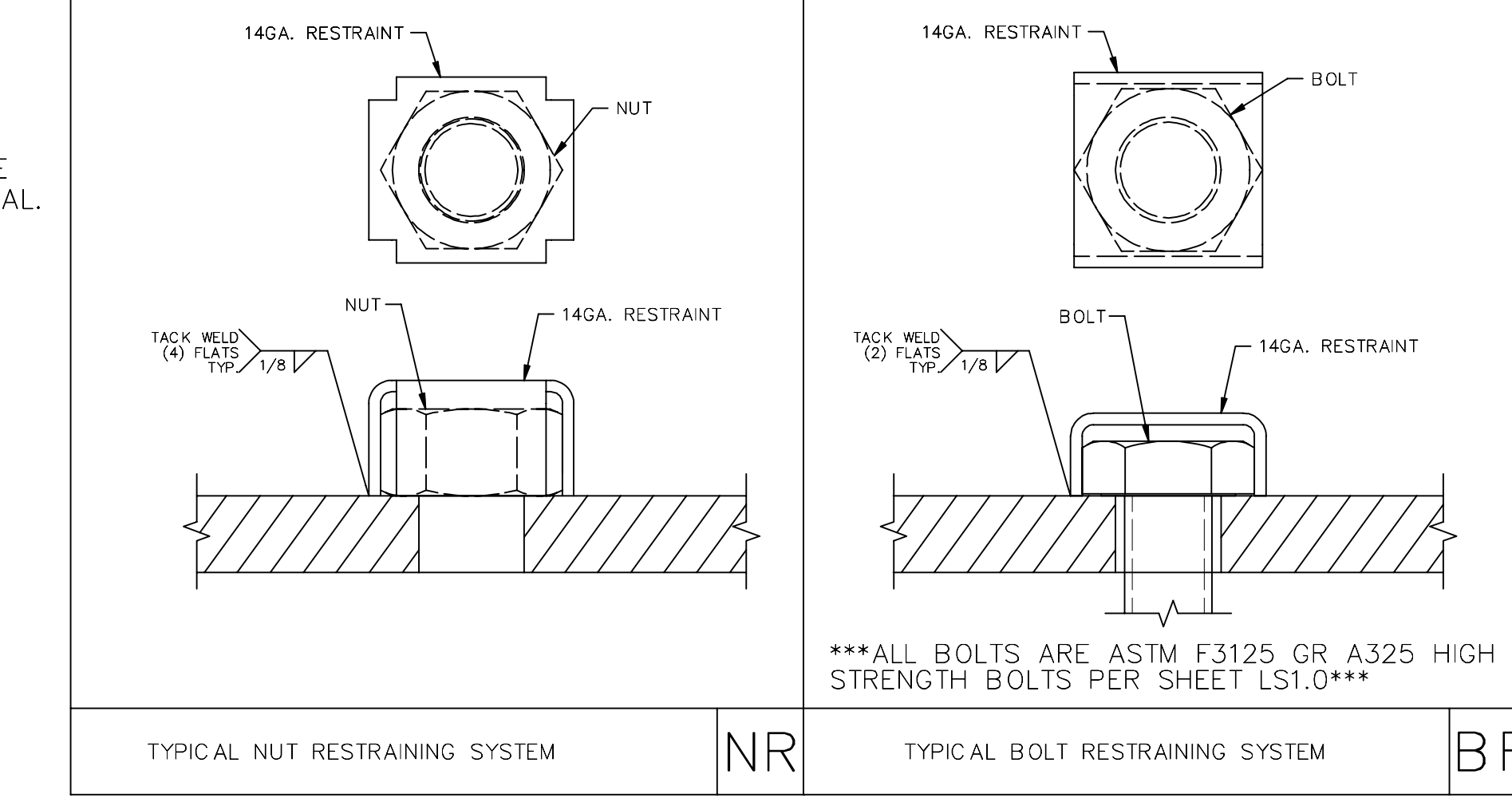
**NOTE:
MATERIAL WILL VARY DEPENDING ON SHELTER SIZE ORDERED.

- CORNER COLUMN 8' UTB - (HSS8X8X1/4)
- SIDE COLUMN 8' UTB - (HSS10X8X5/16)
- CORNER COLUMN 10' UTB - (HSS8X8X1/4)
- SIDE COLUMN 10' UTB - (HSS10X8X5/16)
- CORNER COLUMN 12' UTB - (HSS10X8X5/16)
- SIDE COLUMN 12' UTB - (HSS12X8X5/16)

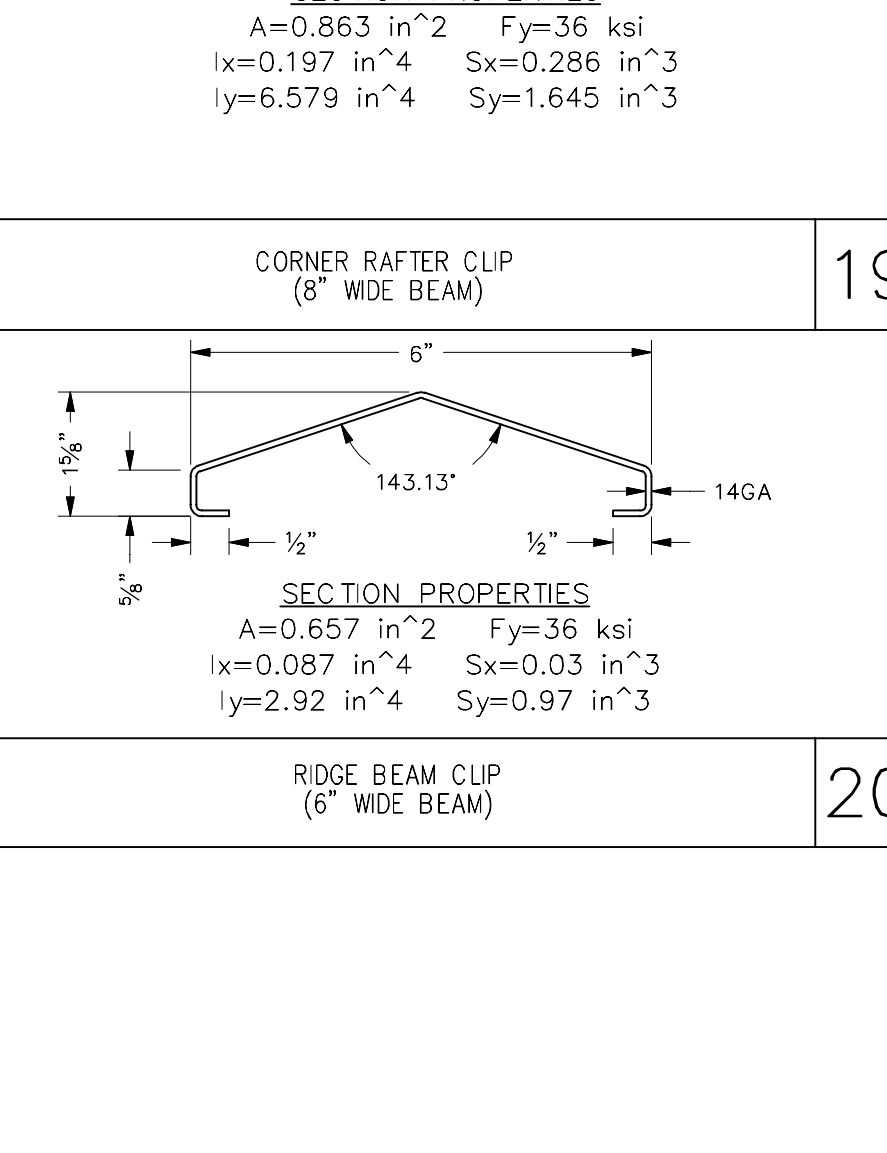
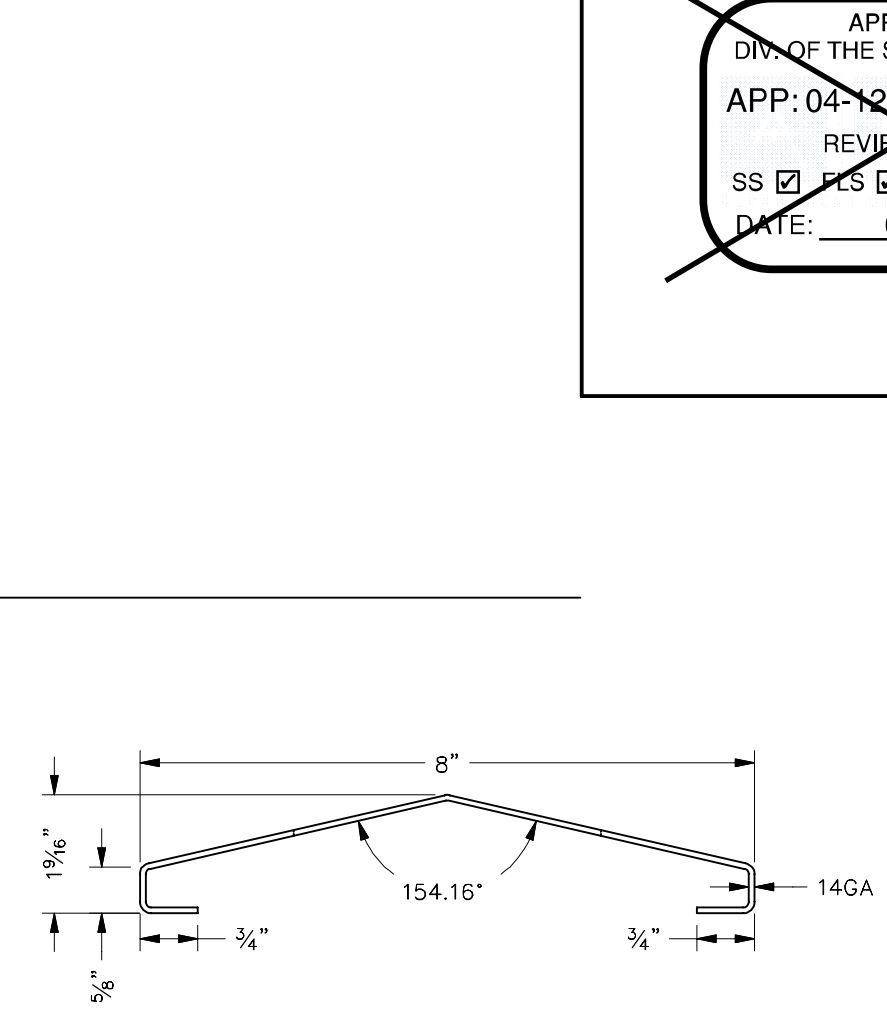
MODEL DESIGNATION	
RH30X44	2 BAY
RH30X64	3 BAY
RH30X84	4 BAY
RH30X104	5 BAY



30' WIDE RECTANGULAR HIP



MODEL SHOWS 3 BAY SHELTER (RH30X64)
PLEASE REFER TO ANCHOR BOLT LAYOUT SHEET FOR CORRECT COLUMN PLACEMENT BASED ON SIZE ORDERED



APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-120013-PC
REVISED FOR
SS [] PS [] ACS []
DATE: 08/08/2021

30' WIDE
RECTANGULAR HIP
FRAMING &
CONNECTION DETAILS

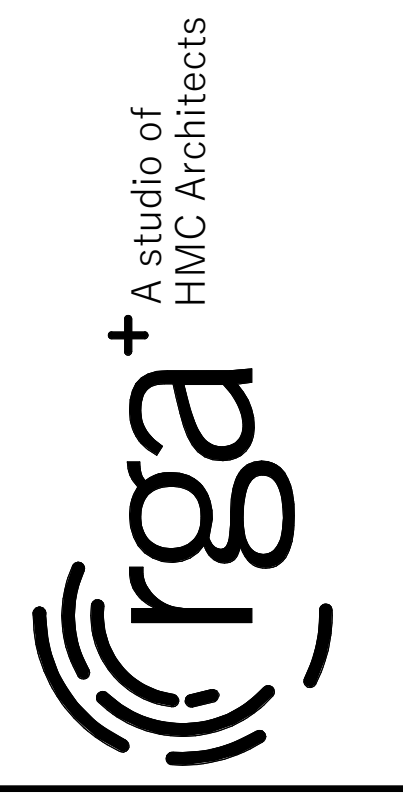
Shelter Systems Inc
1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

LS3.1

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

SHADE STRUCTURE AT MARK TWAIN
ELEMENTARY SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision



ELECTRICAL INFORMATION - RECTANGULAR HIP

ICON'S STANDARD ELECTRICAL IS DESIGNED TO ACCOMMODATE Ø1/2" CONDUIT WITH A Ø3" INLET HOLE ON THE BOTTOM OF EACH COLUMN. THE CONDUIT PATHWAY RUNS THROUGH THE COLUMN, RAFTER, AND RIDGE BEAM THROUGH ALL BOLTED CONNECTIONS AS SHOWN. IF YOU HAVE SPECIAL ELECTRICAL REQUIREMENTS, PLEASE OUTLINE ANY CHANGES BELOW AS DESCRIBED.

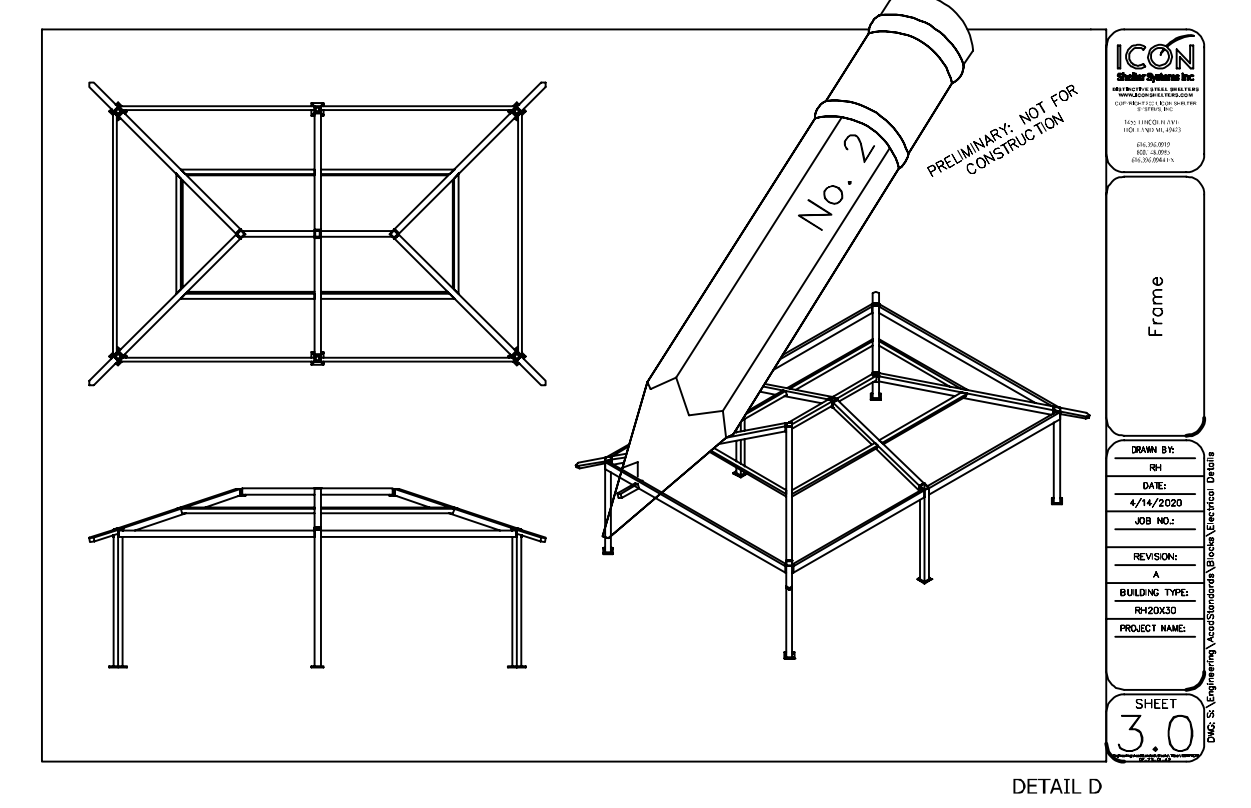
PLEASE NOTE: DESIGN LIMITATIONS ON HOLE/CUTOUT SIZES MAY APPLY. ICON WILL REACH OUT TO DISCUSS ANY SUCH LIMITATIONS AS NEEDED.

NOTE: ICON SHELTER FRAME IS NOT UL LISTED TO ACT AS A CONDUIT FOR ELECTRICAL WIRING. CONSULT LOCAL BUILDING CODES WHEN PLANNING YOUR ELECTRICAL SYSTEM.

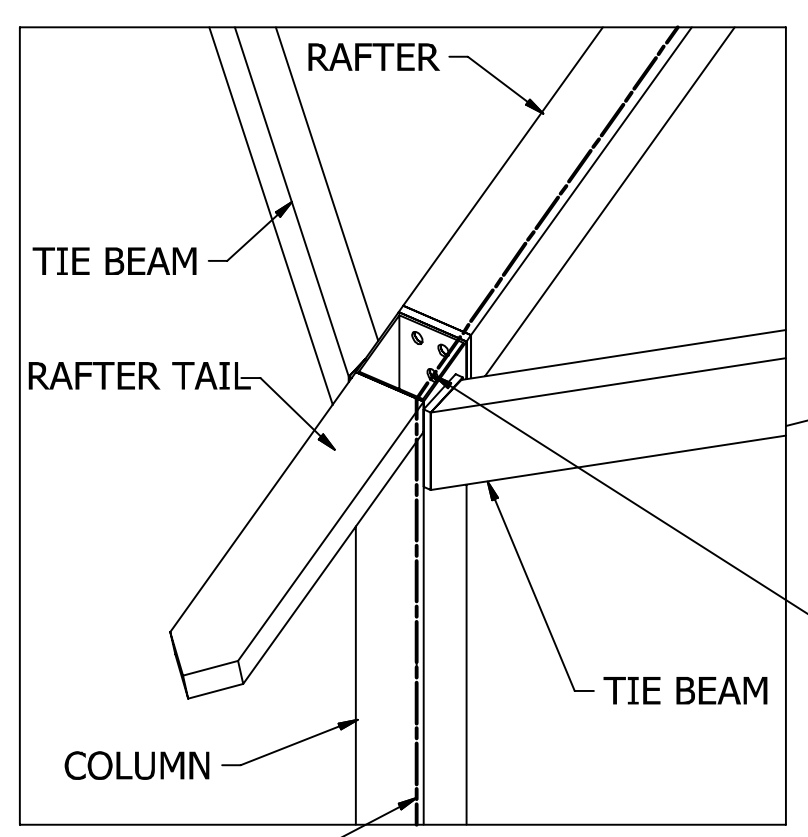
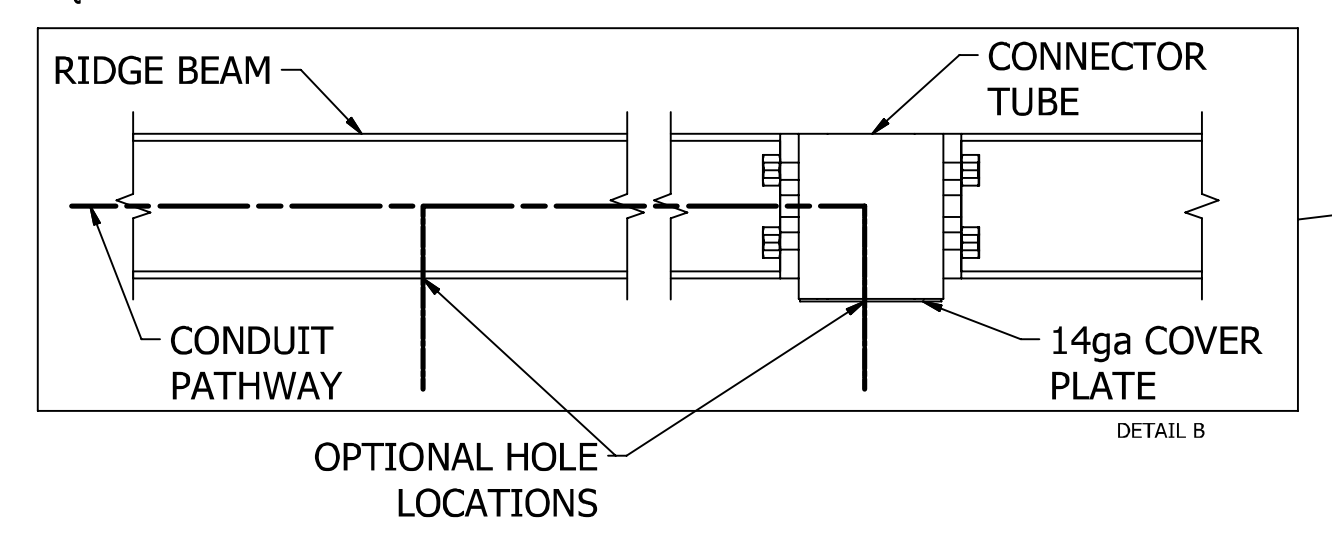
PRELIMINARY: NOT FOR CONSTRUCTION

- STEPS:**
1. CONDUIT HOLE SIZE (DETAIL A)
 2. ELECTRICAL EXIT HOLES (DETAIL B)
 3. ELECTRICAL ACCESS & COVER PLATES (DETAIL C)
 4. ELECTRICAL CONDUIT PATHWAY (DETAIL D)

IF REQUIRED, PLEASE DRAW THE NECESSARY ELECTRICAL CONDUIT PATHWAY ON THE FRAME SHEET OF THIS PRELIMINARY.



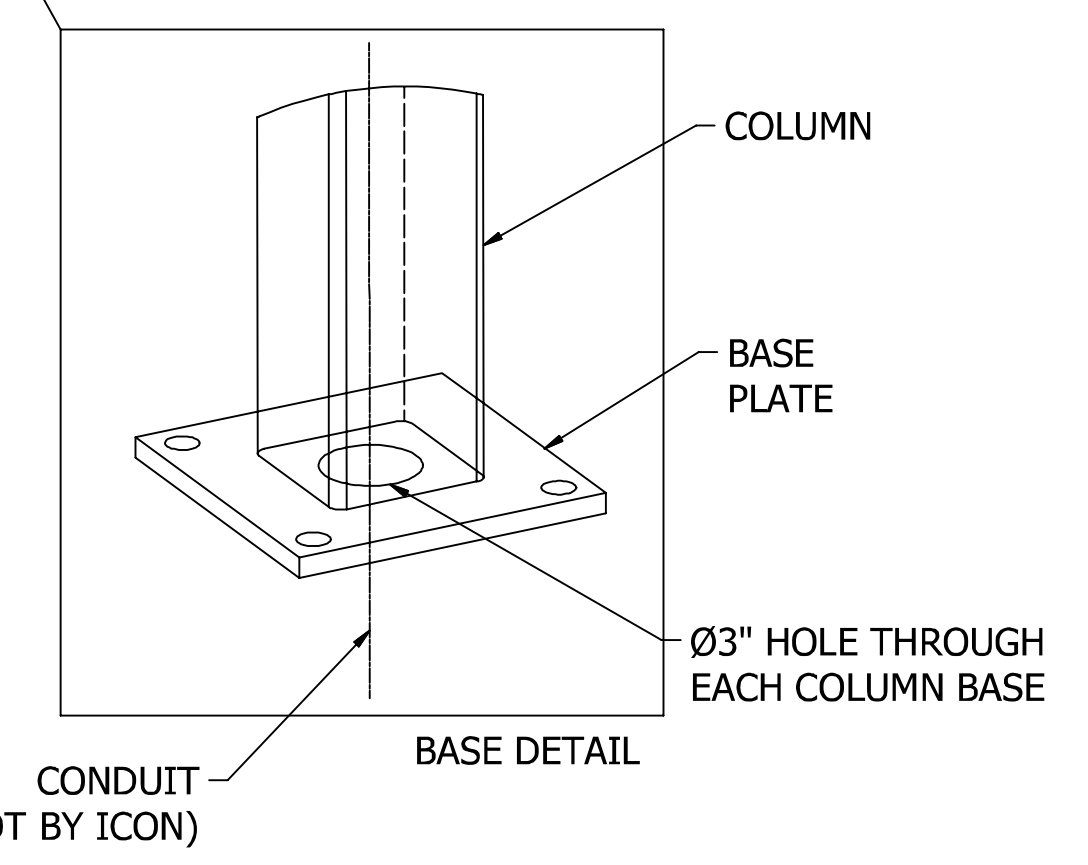
OPTIONAL EXIT HOLES
 IF REQUIRED, EXIT HOLES FOR LIGHTING, ETC. CAN BE PLACED IN THE RIDGE BEAM AND/OR CONNECTOR TUBE WITH 14ga COVER PLATE AS SHOWN (CHARGES APPLY). USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED EXIT HOLE LOCATIONS AND SIZE.



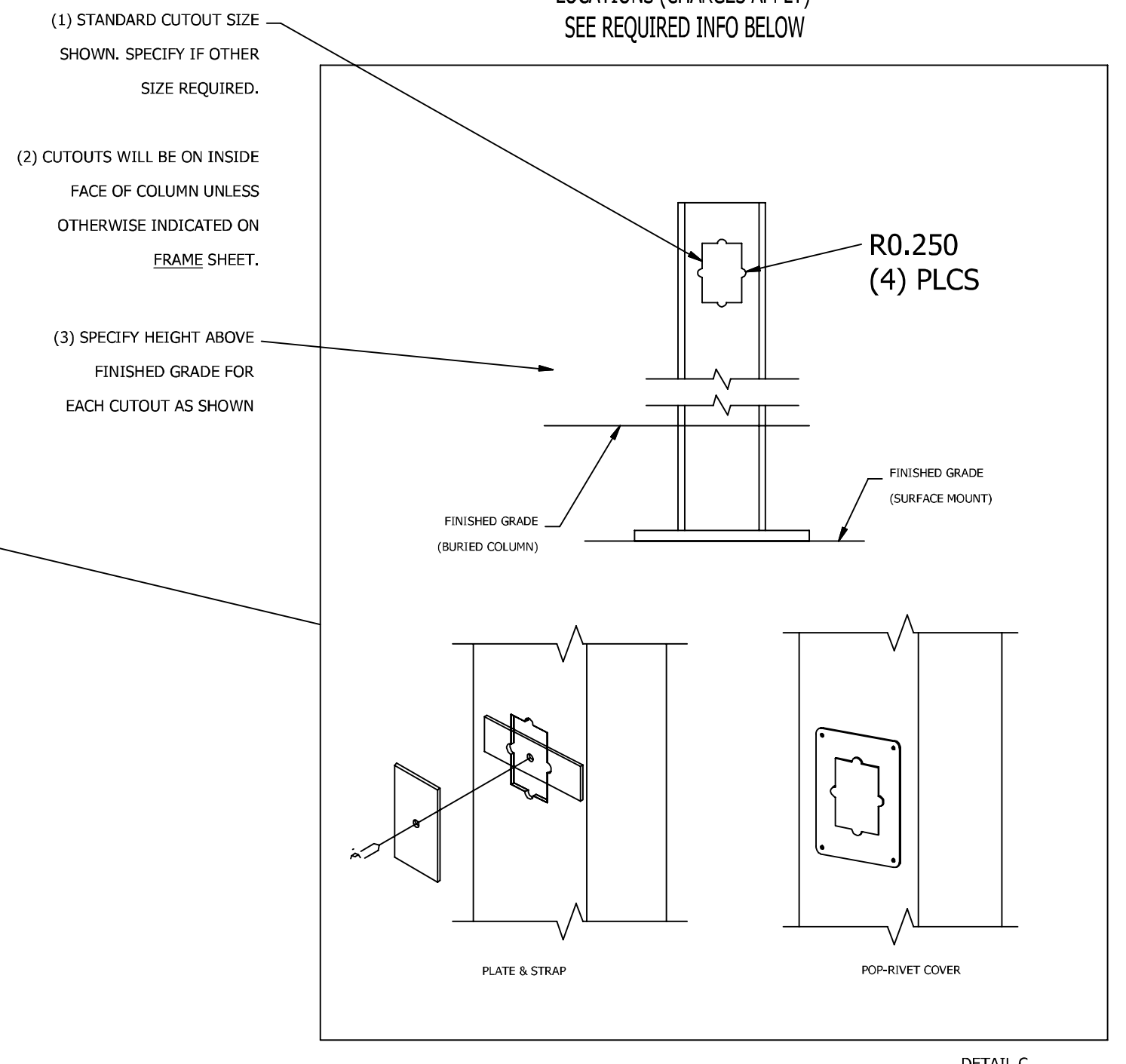
ICON PROVIDES A MINIMUM OF (1) 3/4" HOLE AT EACH CONNECTION FOR 1/2" CONDUIT. IF APPLICABLE, PLEASE SPECIFY REQUIRED CONDUIT SIZE: (CHARGES APPLY)

- 3/4" CONDUIT (1" HOLES)
- 1" CONDUIT (1 1/4" HOLES)
- OTHER (PLEASE SPECIFY)

CONDUIT PATHWAY PROVIDED FOR EACH COLUMN.



OPTIONAL CUTOUTS
 USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED CUTOUT LOCATIONS (CHARGES APPLY). SEE REQUIRED INFO BELOW



- (1) STANDARD CUTOUT SIZE SHOWN. SPECIFY IF OTHER SIZE REQUIRED.
- (2) CUTOUTS WILL BE ON INSIDE FACE OF COLUMN UNLESS OTHERWISE INDICATED ON FRAME SHEET.
- (3) SPECIFY HEIGHT ABOVE FINISHED GRADE FOR EACH CUTOUT AS SHOWN

(4) COVER PLATES PROVIDED UPON REQUEST (CHARGES APPLY). PLEASE SPECIFY TYPE AND QUANTITY REQUIRED:
 PLATE & STRAP
 POP-RIVET COVER
 HOW MANY REQUIRED? _____

NOTE: BUILDING DEPICTED ON THIS SHEET FOR ILLUSTRATION PURPOSES ONLY. ACTUAL LAYOUT AND FRAME MEMBER QUANTITIES VARY BY DESIGN. PLEASE REFER TO ELEVATION AND FRAME SHEETS IN THIS PRELIMINARY FOR ORDER-SPECIFIC CONFIGURATION.

ICON STD	RH/OSA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	

JRMA
 ARCHITECTS ENGINEERS
 2200 SATORI ST. BERKELEY, CA 94707
 1714 24th STREET #114, SAN DIEGO, CA 92108
 WWW.JRMA.COM

PROFESSIONAL SEAL
 MICHAEL D. JORDAN
 ARCHITECT
 STATE OF CALIFORNIA
 07/29/2021

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-20013-PC
 REVIEWED FOR
 SS PCS ACS CG
 DATE: 08/08/2021

ELECTRICAL ACCESS

ICON Shelter Systems Inc
 DISTINCTIVE STEEL SHELTERS
 WWW.ICONSHELTERS.COM
 COPYRIGHT 2004, ICON SHELTER SYSTEMS, INC.
 1455 LINCOLN AVE.
 HOLLAND MI, 49423
 616.396.0919
 800.748.0985
 616.396.0944 FX

LS5.0

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

PRINTED ON :

SHADE STRUCTURE AT MARK TWAIN ELEMENTARY SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

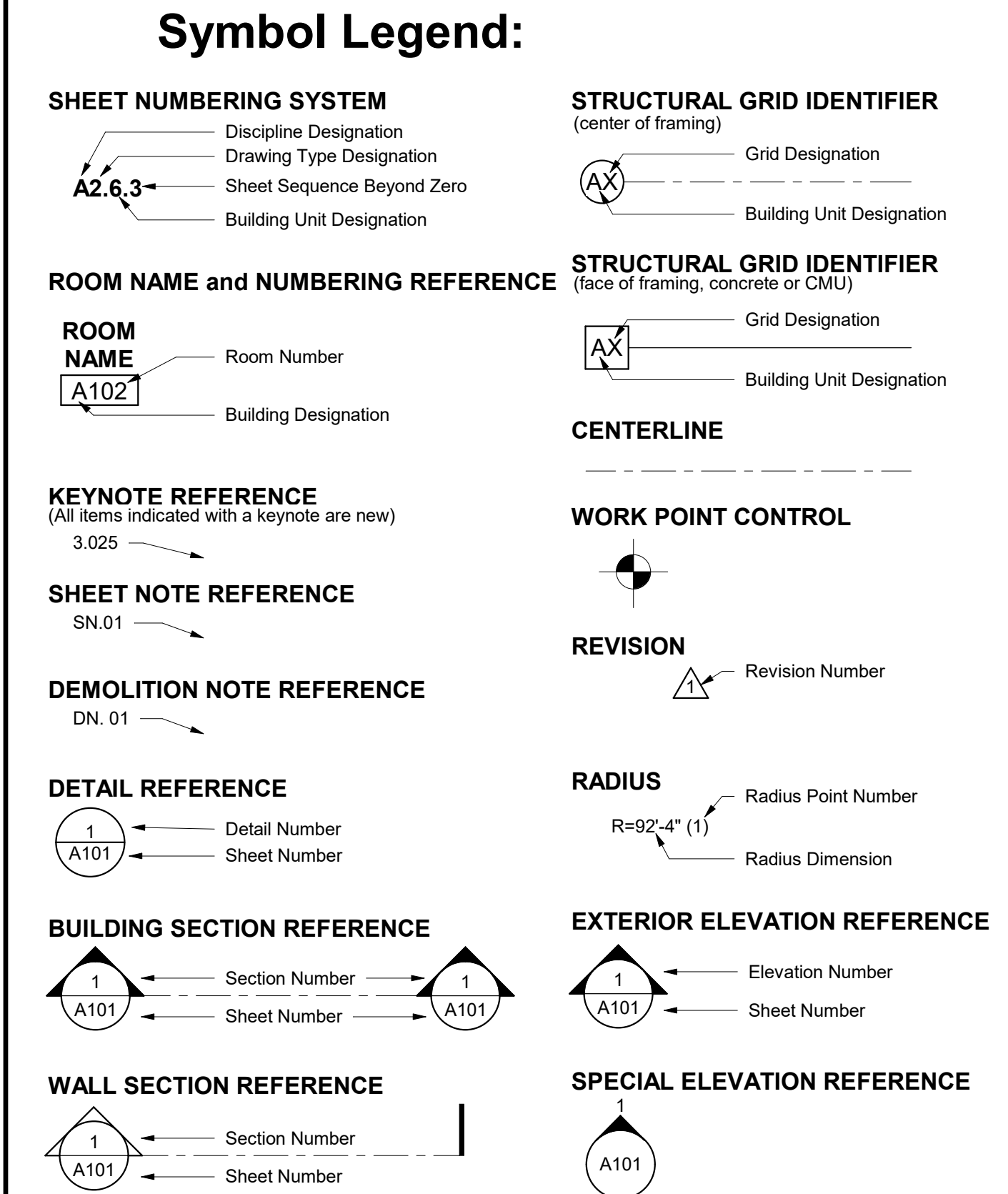
Revision

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ELECTRICAL ACCESS

PROJECT NO.	1504.14
DATE:	3/22/2022
SHEET	LS5.0

Abbreviations:		
A	And	F.R.P.
@	Angle	F.V.
Centerline	F.N.	Field Verify
Degree	F.F.E.	Finish Floor Elevation
PERPENDICULAR	F.F.G.	Finish Grade
PROPERTY LINE	F.A.	Fire Alarm
A.F.F.	F.E.C.	Fire Extinguisher
ACOUSTICAL	FLASH	Fire Extinguisher Cabinet
ADJUSTABLE	F.H.M.B.	Flat Head Machine Bolt
AGGR.	F.H.M.S.	Flat Head Machine Screw
A.B.	F.H.W.S.	Flat Head Wood Screw
ALUM./AL.	FL.FLR.	Floor
AD	F.D.	Floor Drain
A.V.	ASPHLT CONCRETE	Foot/Foot
AUTOD.	FTQ.	Footing
	FND	Foundation
	FURR.	Furring
BM	Beam	
BLK	Block	
BLKG.	Blocking	
BD.	G.S.M.	Galvanized Sheet Metal
BOT	Bottom	
BUILD.G.	BUILD.G.	Building
CAB.	Cabinet	
CATV	Cable T.V.	
C.I.	Cast Iron	
CLK.G.	Catch Basin	
CNTR./CTR.	Center	
CER.	Ceramic	
CHALKBOARD	CHALKBOARD	Chalkboard
CLAS.	Classroom	
CLR.	Clear	
C.W.	Cold Water	
COL.	Column	
CONC.	Concrete	
C.M.U.	Concrete Masonry Unit	
CONN.	Connection	
CONSTR.	Construction	
C.J.	Construction Joint	
CONT.	Continuous	
CNTR.	Contractor	
CORR.	Corrosion	
C.M.P.	Corrugated Metal Pipe	
C.Y.	Cubic Yard	
CUST.	Custodian	
D.	Deep/Depth	
DET / DTL.	Detail	
DIAG.	Diagonal	
DIA / Ø	Diameter	
DIM.	Dimension	
DIM PT.	Dimension Point	
DW.	Dishwasher	
DR.	Door	
DBL.	Double	
DN.	Down	
DWG.	Drawing	
D.W.G.	Drinking Fountain	
E.A.	Each	
E.	East	
E.W.C.	Electric Water Cooler	
E.W.H.	Electric Water Heater	
EL./ELEV.	Elevation	
EMER.	Emergency	
ENCL.	Enclosure	
EQ.	Equal	
E.F.	Exhaust Fan	
(E)EXIST.	Existing	
EXP.	Expansion	
E.J.	Expansion Joint	
EXT.	Exterior	
F.O.C.	Face of Concrete/Curb	
F.O.F.	Face of Finish	
F.O.S.	Face of Studs	
FB.	Fiberglass	
F.R.L.	Fiberglass Reinforced Laminate	
F.R.P.	Fiberglass Reinforced Plastic	
F.V.	Field Verify	
F.N.	Finish	
FIN.	Finish	
FINISH FLOOR ELEVATION	FINISH FLOOR ELEVATION	
FINISH GRADE	FINISH GRADE	
FIRE ALARM	FIRE ALARM	
FIRE EXTINGUISHER	FIRE EXTINGUISHER	
FIRE EXTINGUISHER CABINET	FIRE EXTINGUISHER CABINET	
FLASHING	FLASHING	
FLAT HEAD MACHINE BOLT	FLAT HEAD MACHINE BOLT	
FLAT HEAD MACHINE SCREW	FLAT HEAD MACHINE SCREW	
FLAT HEAD WOOD SCREW	FLAT HEAD WOOD SCREW	
FLOOR	FLOOR	
FLOOR DRAIN	FLOOR DRAIN	
FOOT/FOOT	FOOT/FOOT	
FOOTING	FOOTING	
FOUNDATION	FOUNDATION	
FURRING	FURRING	
GALV.	Galvanized	
GALVANIZED IRON	GALVANIZED IRON	
GALVANIZED SHEET METAL	GALVANIZED SHEET METAL	
GAZEBO	GAZEBO	
GLUE LAMINATED (BEAM)	GLUE LAMINATED (BEAM)	
GRAB BAR	GRAB BAR	
GRADE	GRADE	
GYP.	Gypsum	
GYP.BD.	Gypsum Wallboard	
SECT.	Section	
S.S.K.	Service Sink	
SHT.	Sheet	
SHR.	Sheet Metal	
S.M.	Sheet Metal Screw	
S.M.S.	Sheet Metal	
S.V.	Sheet Vinyl	
SHR./SHWR.	Shower	
S.	Solid Core	
S.C.	South	
SPAC.	Specification	
SQ.	Square	
SST./S.S.	Stainless Steel	
STD./STND.	Standard	
STL.	Steel	
STOR.	Storage	
STR.	Storm Drain	
S.F.	Self-Drilling Self-Tapping	
S.F.	Square Feet	
STRUC.T.	Structural	
SUSP.	Suspended	
SYM.	Symbol	
TB.	Taskboard	
TEL./TELE.	Telephone	
T.V.	Television	
T.CLR.	Tempered Clear	
T.L.T.	Tempered Low Transmission	
THK.	Thick	
THRES.	Threshold	
THRU.	Through	
T/TLT.	Toilet	
T&G.	Tongue & Groove	
T.O.	Top	
T.O.C.	Top of Curb	
T.O.P.	Top of Pavement	
T.O.W.	Top of Wall/Top of Walk	
T.S.	Tube Steel	
TYP.	Typical	
U.O.N.	Unless Otherwise Noted	
VERT.	Vertical	
V.G.D.F.	Vertical Grain Douglas Fir	
V.M.C.	Vinyl Wall Covering	
W.SCT.	Wainscot	
W.C.	Water Closet	
W.H.	Water Heater	
WT.	Weight	
W.W.M.	Wet/Wash	
W.	Window	
WDW.	Window	
W.G.	Wire Glass	
W/O.	Without	
WB.	Wood	
YD.	Yard	
Y.D.	Yard Drain	



Symbol Legend:		
A	And	F.R.P.
@	Angle	F.V.
Centerline	F.N.	Field Verify
Degree	F.F.E.	Finish Floor Elevation
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FIRE EXTINGUISHER CABINET	FIRE EXTINGUISHER CABINET	
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FLAT HEAD MACHINE SCREW	FLAT HEAD MACHINE SCREW	
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FLOOR DRAIN	FLOOR DRAIN	
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W.	Window	
WDW.	Window	
W.G.	Wire Glass	
W/O.	Without	
WB.	Wood	
YD.	Yard	
Y.D.	Yard Drain	



SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

Architect:
Rainforth Grau Architects
 2101 Capitol Avenue, Suite 100
 Sacramento, CA 95816
 916.368.7990

Owner:
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 5737 47TH AVENUE
 SACRAMENTO, CA 95824
 916.643.7400

Contact: VIPUL SAFI

Consultants:

CIVIL ENGINEER: WARREN CONSULTING ENGINEERS 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 916.985.1870 ATTN: ANTHONY TASSANO	ELECTRICAL ENGINEER: PETERS ENGINEERING 7750 COLLEGE TOWN DRIVE, SUITE 101 SACRAMENTO, CA 95826 916.447.2841 ATTN: GINO ROMANO
---	---

Contact: MIKE TAXARA

Project Information:

SITE LOCATION
 2250 68TH AVENUE
 SACRAMENTO, CA 95822

Project Scope:

INSTALLATION OF (1) 30' X 64' PC SHADE STRUCTURE AND RELATED CONCRETE PAD, UPGRADES TO ACCESSIBLE PATH OF TRAVEL, PARKING AND RESTROOMS, RELATED SITE AND ELECTRICAL WORK.

SCHEDULE OF ALTERNATES:

ALTERNATE NO. 1: CRACK REPAIR, SEAL COAT AND RESTRIPING
 A. The contractor is responsible for determining the extent of crack repair at (e) hardout. Place 2 coats of seal coat on existing paving. Seal coat to be provided over entirety of (e) hardout. The contractor is responsible for verifying (e) stripping condition and verifying exact layout to be restriped with District.

FIRE SAFETY: THE CONTRACTOR SHALL COMPLY WITH CFC CH 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

Sheet Index

GENERAL	
A0.1	COVER SHEET
A0.2	TYPICAL MOUNTING HEIGHTS AND DETAILS
A0.7	LOCAL FIRE AUTHORITY SITE PLAN
CIVIL	
C0.1	CIVIL GENERAL NOTES AND ABBREVIATIONS
C1.1	DEMOLITION PLAN
C2.1	GRADING AND PAVING PLAN
ARCHITECTURAL	
A1.1.0	SITE PLAN AND CODE INFORMATION
A1.1.1	PARTIAL SITE PLANS AND DETAILS
A2.1.1	TOILET ROOM DEMOLITION AND IMPROVEMENT PLANS AND INTERIOR ELEVATIONS
ELECTRICAL	
E0.1	SYMBOLS, NOTES
E1.1	SITE PLAN - ELECTRICAL
E2.1	ONE LINE DIAGRAM
E3.1	DETAILS
TOTAL SHEET COUNT: 13	

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A0.1	COVER SHEET
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E1.1	SITE PLAN - ELECTRICAL
E2.1	ONE LINE DIAGRAM
E3.1	DETAILS
TOTAL SHEET COUNT: 13	

Applicable Codes:

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:

TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL, REGULATIONS
 TITLE 24, CCR, PART 1, 2019 CALIFORNIA ADMINISTRATIVE CODE
 TITLE 24, CCR, PART 2, 2019 CALIFORNIA BUILDING CODE, VOL. 1 & 2
 TITLE 24, CCR, PART 3, 2019 CALIFORNIA ELECTRICAL CODE
 TITLE 24, CCR, PART 4, 2019 CALIFORNIA MECHANICAL CODE
 TITLE 24, CCR, PART 5, 2019 CALIFORNIA PLUMBING CODE
 TITLE 24, CCR, PART 6, 2019 CALIFORNIA ENERGY CODE
 TITLE 24, CCR, PART 9, 2019 CALIFORNIA FIRE CODE
 TITLE 24, CCR, PART 10, 2019 CALIFORNIA EXISTING BUILDING CODE
 TITLE 24, CCR, PART 11, 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
 TITLE 24, CCR, PART 12, 2019 CALIFORNIA REFERENCED STANDARDS CODE

NFPA 13, 2016 EDITION, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDMENTS)
 NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDMENTS)

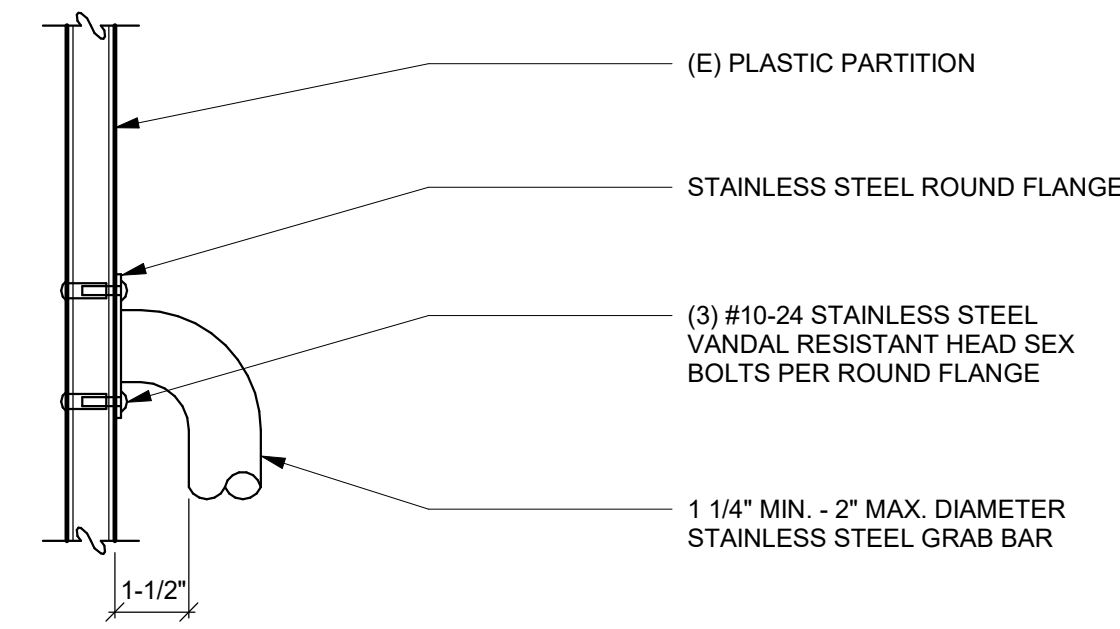
UL 464, 2003 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES

UL 521, 7TH EDITION, 1999 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS

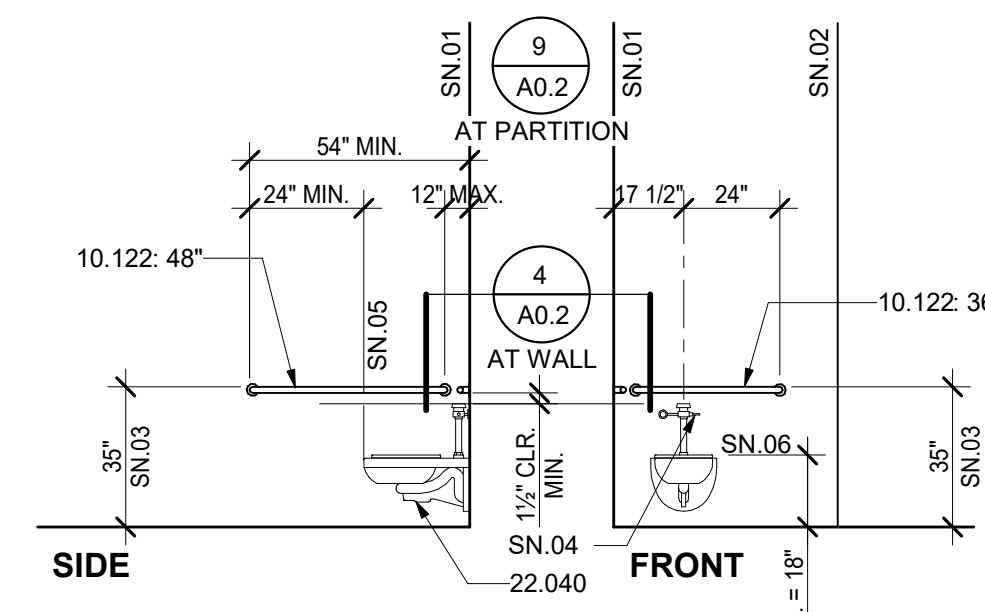
THE CONTRACTOR SHALL KEEP TITLE 24, CCR, PARTS 1-5 ON THE BUILDING SITE AT ALL TIMES.

DSA Procedures:

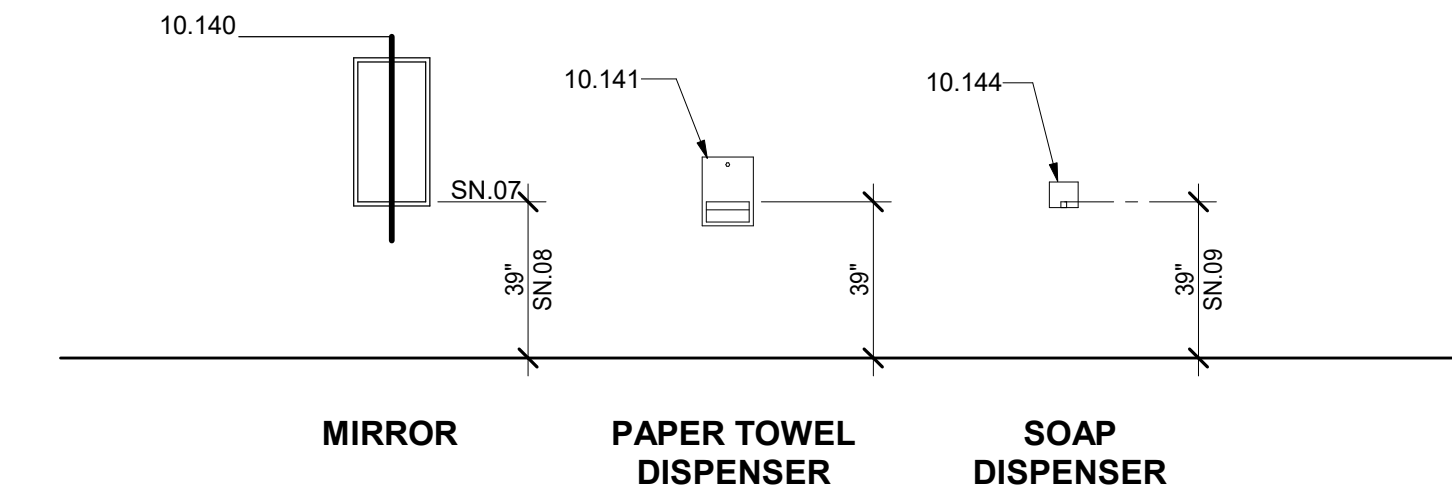
- ADDENDA MUST BE STAMPED AND SIGNED BY THE ARCHITECT OF RECORD AND APPROVED BY DSA IN ACCORDANCE WITH CCR TITLE 24, PART 1.
- THE CONTRACTOR SHALL BE FAMILIAR WITH, AND PERFORM THE DUTIES IN ACCORDANCE WITH DSA PROCEDURE 13-01, CONSTRUCTION OVERSIGHT PROCESS.
- CHANGES TO THE STRUCTURAL, ACCESSIBILITY, OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN TITLE 24, PART 1, 4-338 AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN ACCORDANCE WITH DSA IR-A-6.
- SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS WILL BE CONSIDERED AS CHANGES TO THE APPROVED PLANS AND SPECIFICATIONS. THEY ARE TO BE TREATED AS CONSTRUCTION CHANGE DOCUMENTS AND WILL REQUIRE DSA'S APPROVAL PRIOR TO FABRICATION AND INSTALLATION IN ACCORDANCE WITH TITLE 24, PART 1, 4-338 AND DSA IR-A-6.
- THE CLASS 2 PROJECT INSPECTOR MUST BE EMPLOYED BY THE OWNER AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER, AND DSA IN ACCORDANCE WITH TITLE 24, PART 1, 4-341.
- SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHERIN THE REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
- FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL



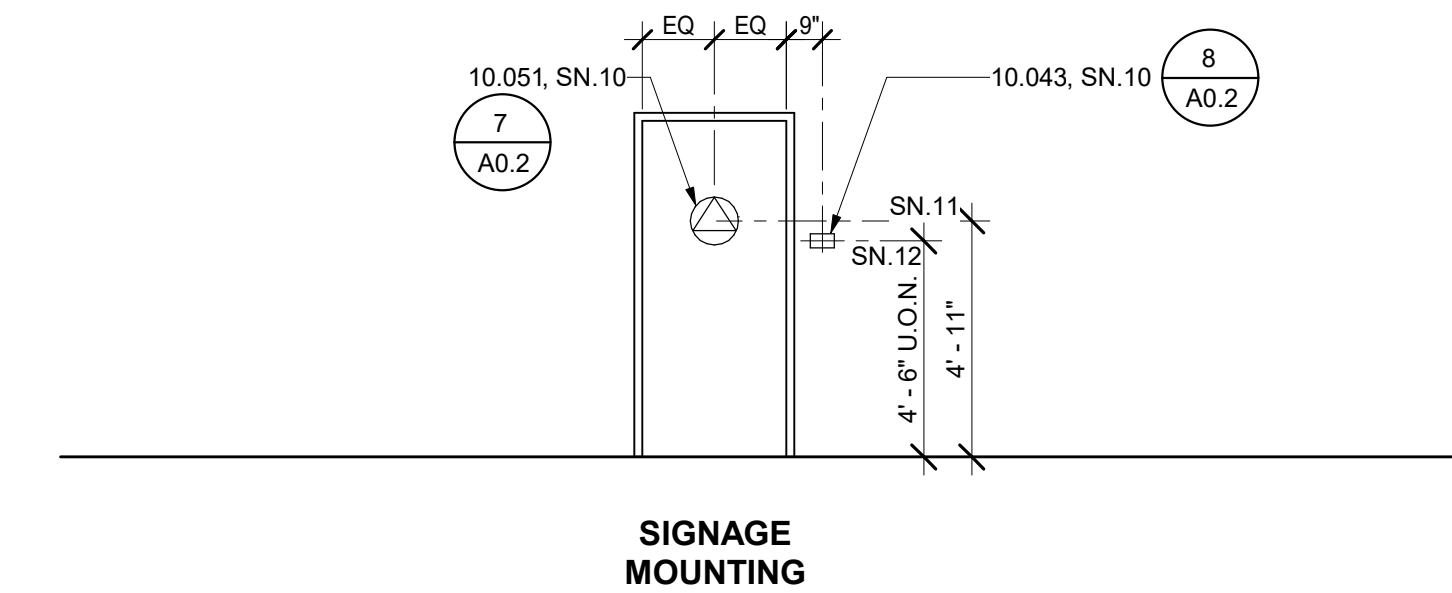
9 TYPICAL GRAB BAR AT PARTITIONS
3\"/>



WALL MOUNTED WATER CLOSET



MIRROR PAPER TOWEL DISPENSER SOAP DISPENSER

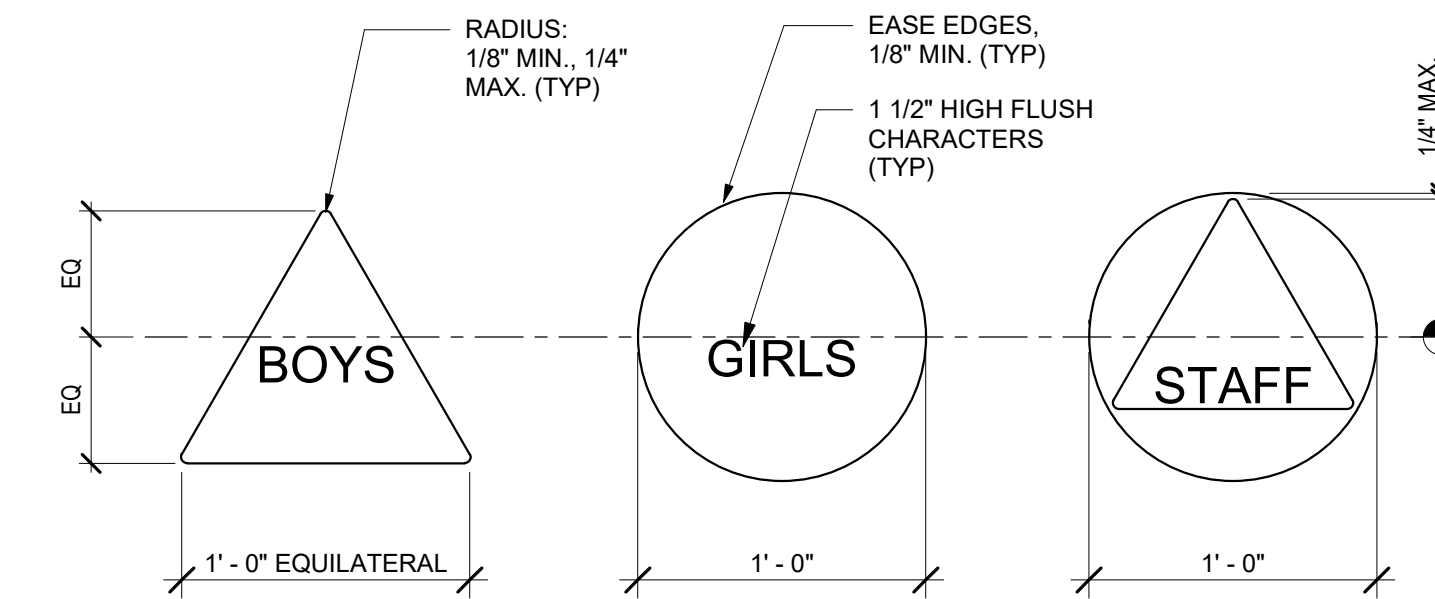


SIGNAGE MOUNTING

FIXTURE AND ACCESSORY HEIGHTS

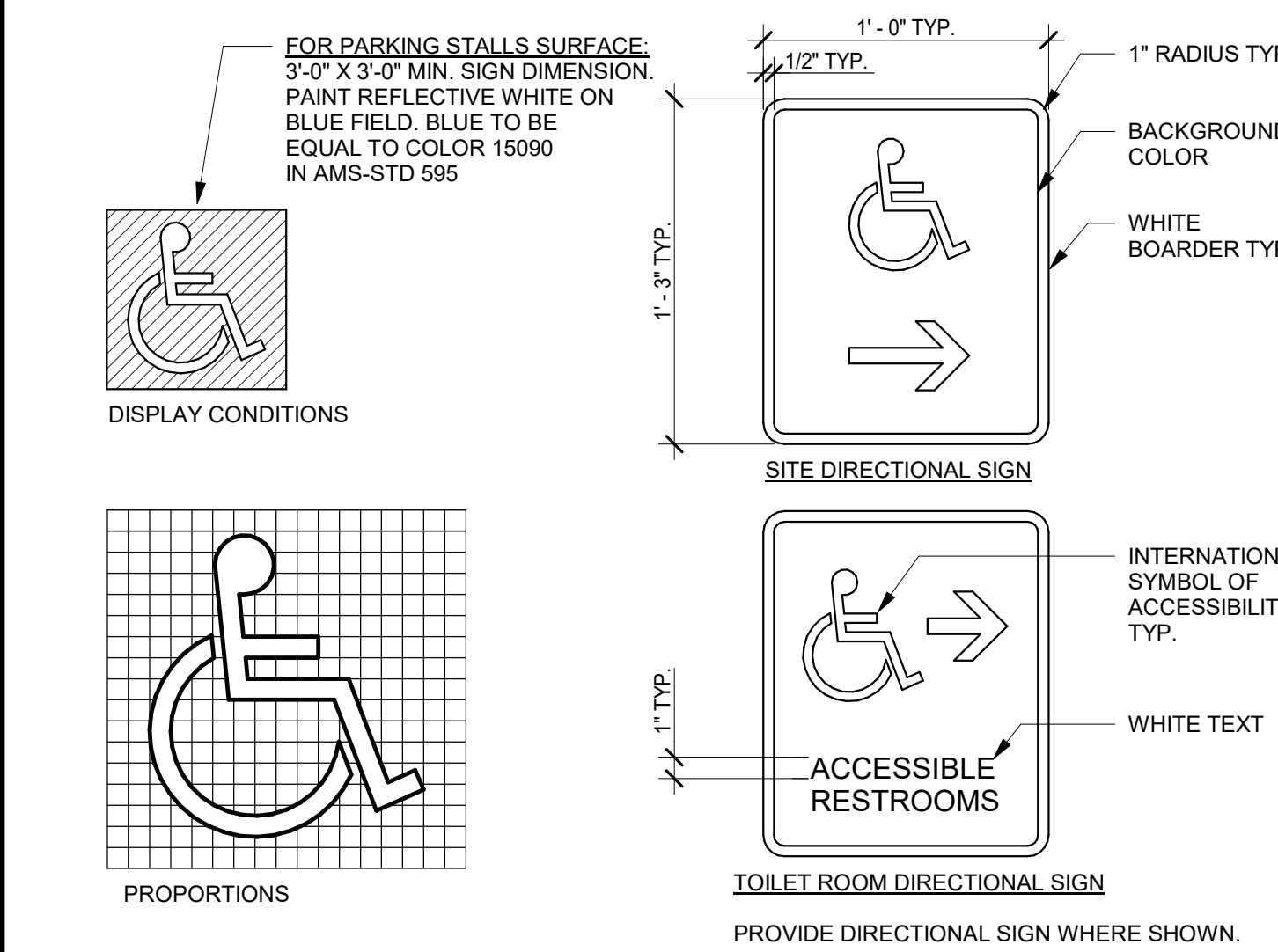
FURNITURE EQUIPMENT HEIGHTS

6 TYPICAL MOUNTING HEIGHTS AND DETAILS
1/4\"/>

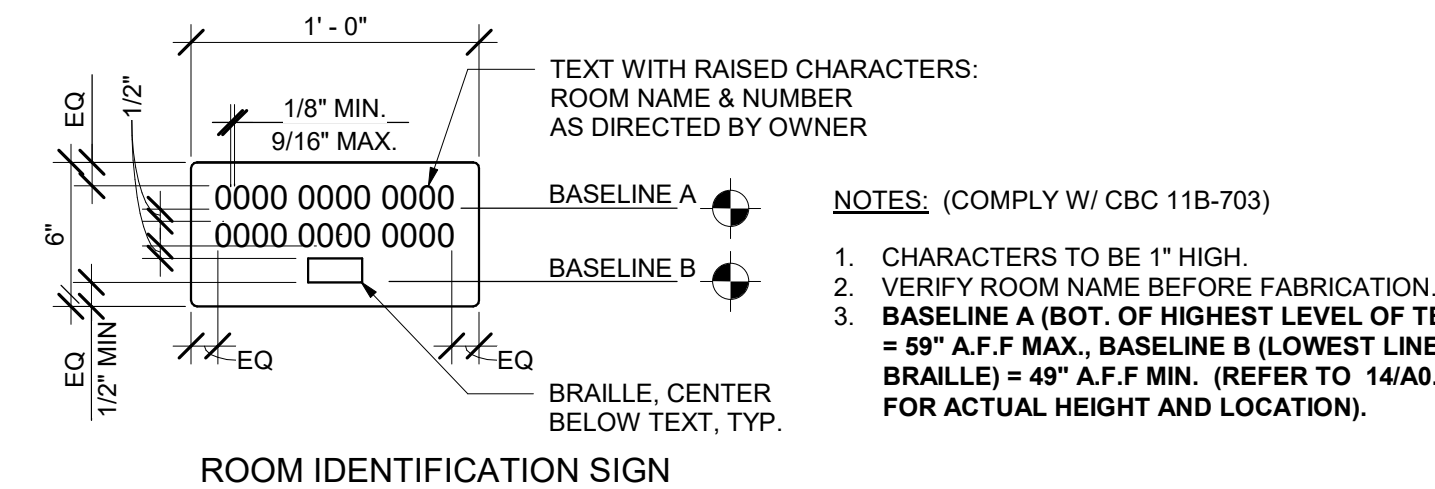
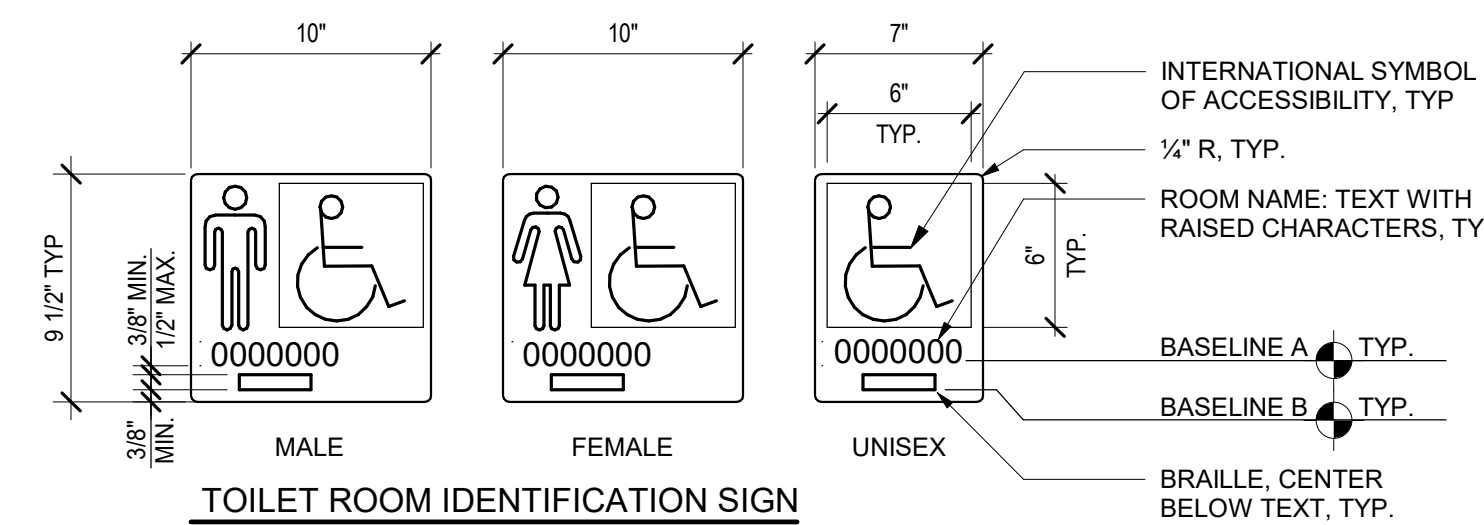


NOTE:
1. TEXT ON DOOR SYMBOL TO BE AS INDICATED ON DRAWINGS

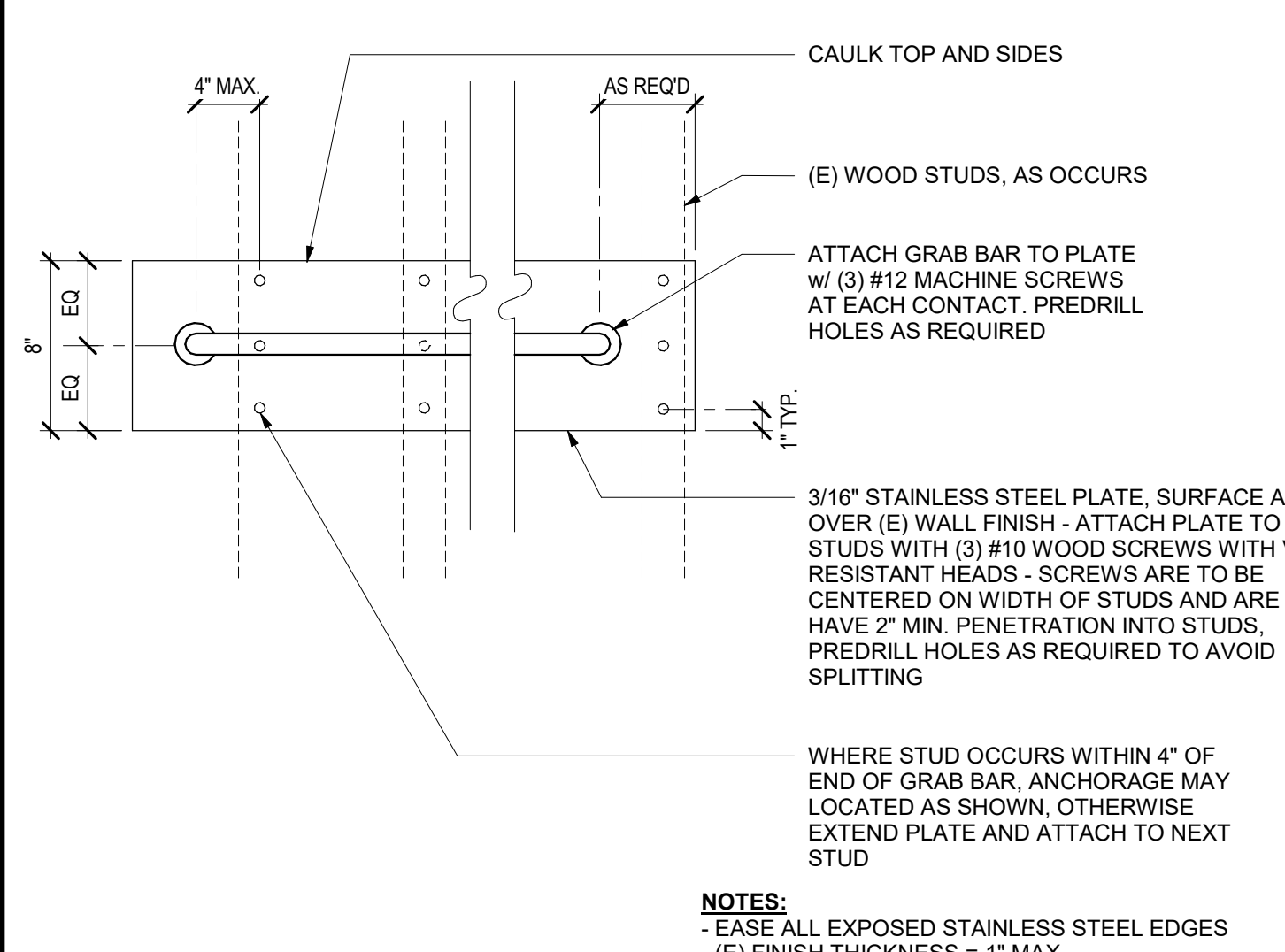
7 TOILET ROOM DOOR SYMBOLS
1 1/2\"/>



3 SYMBOL OF ACCESSIBILITY
NOT TO SCALE



8 IDENTIFICATION SIGNS
1 1/2\"/>



4 GRAB BAR - STAINLESS STEEL PLATE
1 1/2\"/>

GENERAL NOTES

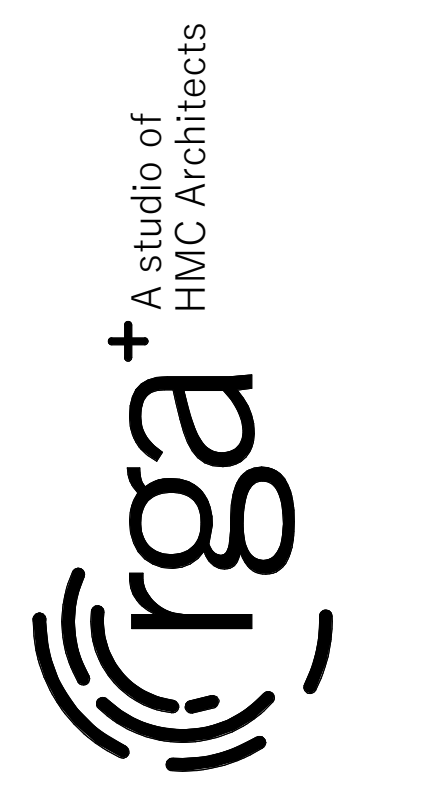
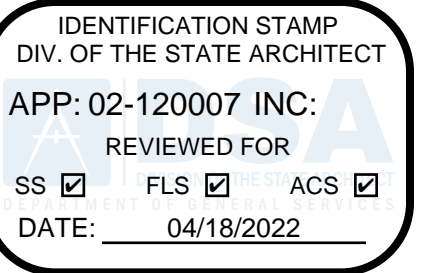
1. TYPICAL MOUNTING HEIGHTS AND DETAILS APPLY TO ENTIRE PROJECT, WHETHER REFERENCED OR NOT, UNLESS OTHERWISE NOTED.
2. ALL DISABLED ACCESSIBLE DIMENSIONS, ARE MAXIMUM DIMENSIONS UNLESS OTHERWISE NOTED.
3. HEIGHTS ARE MEASURED FROM FINISH FLOOR, UNLESS OTHERWISE NOTED.

SHEET NOTES

- SN.01 TO FACE OF FINISH
- SN.02 FACE OF OBJECTS OR WALLS
- SN.03 TOP OF GRAB BAR
- SN.04 AT ACCESSIBLE WATER CLOSETS, FLUSH CONTROL HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET ENCLOSURE
- SN.05 FRONT EDGE OF WATER CLOSET
- SN.06 TOP OF SEAT
- SN.07 BOTTOM EDGE OF REFLECTIVE SURFACE
- SN.08 34\"/>

KEYNOTES

- 10.043 SIGNAGE: TOILET ROOM IDENTIFICATION
- 10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL
- 10.122 TOILET ACCESSORY: GRAB BAR
- 10.140 TOILET ACCESSORY: MIRROR
- 10.141 TOILET ACCESSORY: PAPER TOWEL DISPENSER
- 10.144 TOILET ACCESSORY: SOAP DISPENSER
- 22.040 WATER CLOSET



SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

TYPICAL MOUNTING HEIGHTS AND DETAILS

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PROJECT NO. 1504.10
DATE: 3/22/2022
SHEET **A0.2**

DSA-810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

PROJECT INFORMATION
 School District: SACRAMENTO UNIFIED SCHOOL DISTRICT
 Project name / school: ROSA PARKS SHADE STRUCTURE
 Project address: 2250 68TH AVENUE, SACRAMENTO, CA 95822

FIRE & LIFE SAFETY INFORMATION		ALTERNATE ACCEPTED	
1.	Has a fire hydrant flow test been performed within the past 12 months? <i>(If yes, provide a copy of the test data)</i>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3.	Is the project located within a designated fire hazard severity zone as established by Cal-Fire? <i>(If yes, indicate fire hazard zone classification below)</i>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps		Moderate <input type="checkbox"/>	High <input type="checkbox"/>
Wildland Interface Area (WIFA) <i>(If any designations are checked, project design must meet the requirements of CBC Chapter 7A)</i>		Very High <input type="checkbox"/>	WIFA <input type="checkbox"/>

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED	
		Yes	No
4.	Emergency vehicle access roadways do not meet CFC requirements	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4a.	Acceptable Alternative: Emergency vehicle and personal access as proposed by the architect is acceptable for providing fire suppression and protection of life and property	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	Fire Hydrants: Number and spacing does not meet CFC requirements	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5a.	Acceptable Alternative: Number of fire hydrants and spacing as proposed by the architect is acceptable for fire suppression and protection of life and property	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6a.	Acceptable Alternative: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	Location of fire department connection(s) serving fire sprinkler system or standpipe system does not meet CFC requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7a.	Acceptable Alternative: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Accepted by: _____ Title: _____
 Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION
 LFA Agency Name: _____
 LFA Review Official: _____
 Title: _____ Work Phone: _____
 Work Email: _____
 LFA Reviewer's Signature: _____ Date: _____

LEGEND

- PROPERTY LINE
- X UNIT DESIGNATION SHADE STRUCTURE
- X UNIT DESIGNATION EXISTING BUILDINGS
- [Pattern] CONCRETE WALK / PAVING
- [Pattern] ASPHALT CONCRETE PAVING
- [Pattern] (E) EMERGENCY ACCESS LANE
- [Pattern] (E) CHAIN LINK FENCE
- [Symbol] (E) FIRE HYDRANT (NTS)

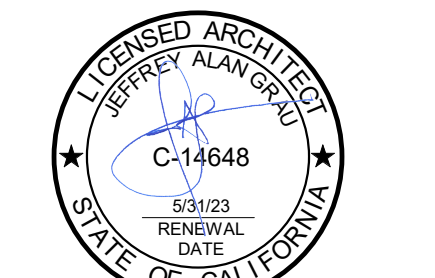
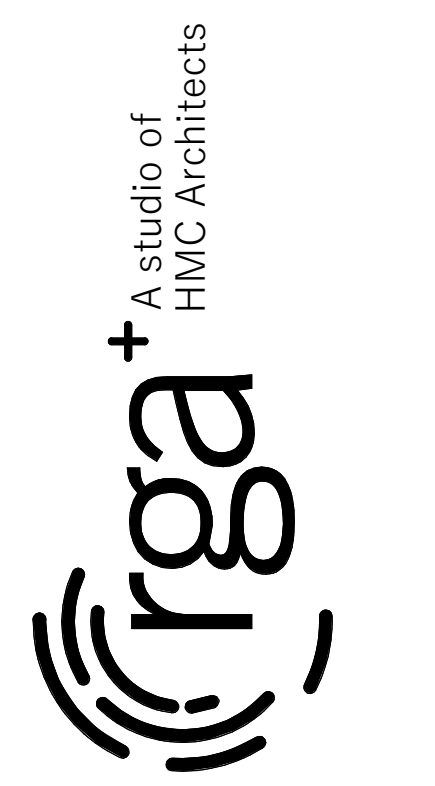
SHEET NOTES

- SN.01 (E) FIRE HYDRANT
- SN.02 (E) 20'-0" WIDE GATE WITH KNOX LOCK BOX

BUILDING DESIGNATIONS

- UNIT A - CLASSROOMS
- UNIT B - ADMINISTRATION AND CLASSROOMS
- UNIT C - CLASSROOMS
- UNIT D - GYMNASIUM
- UNIT E - CLASSROOMS
- UNIT F - MULTIPURPOSE
- UNIT G - CLASSROOMS
- UNIT H - TOILET ROOMS
- UNIT I - CLASSROOMS
- UNIT J - CLASSROOMS

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120007 INC:
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/18/2022



SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

Revision

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LOCAL FIRE AUTHORITY SITE PLAN

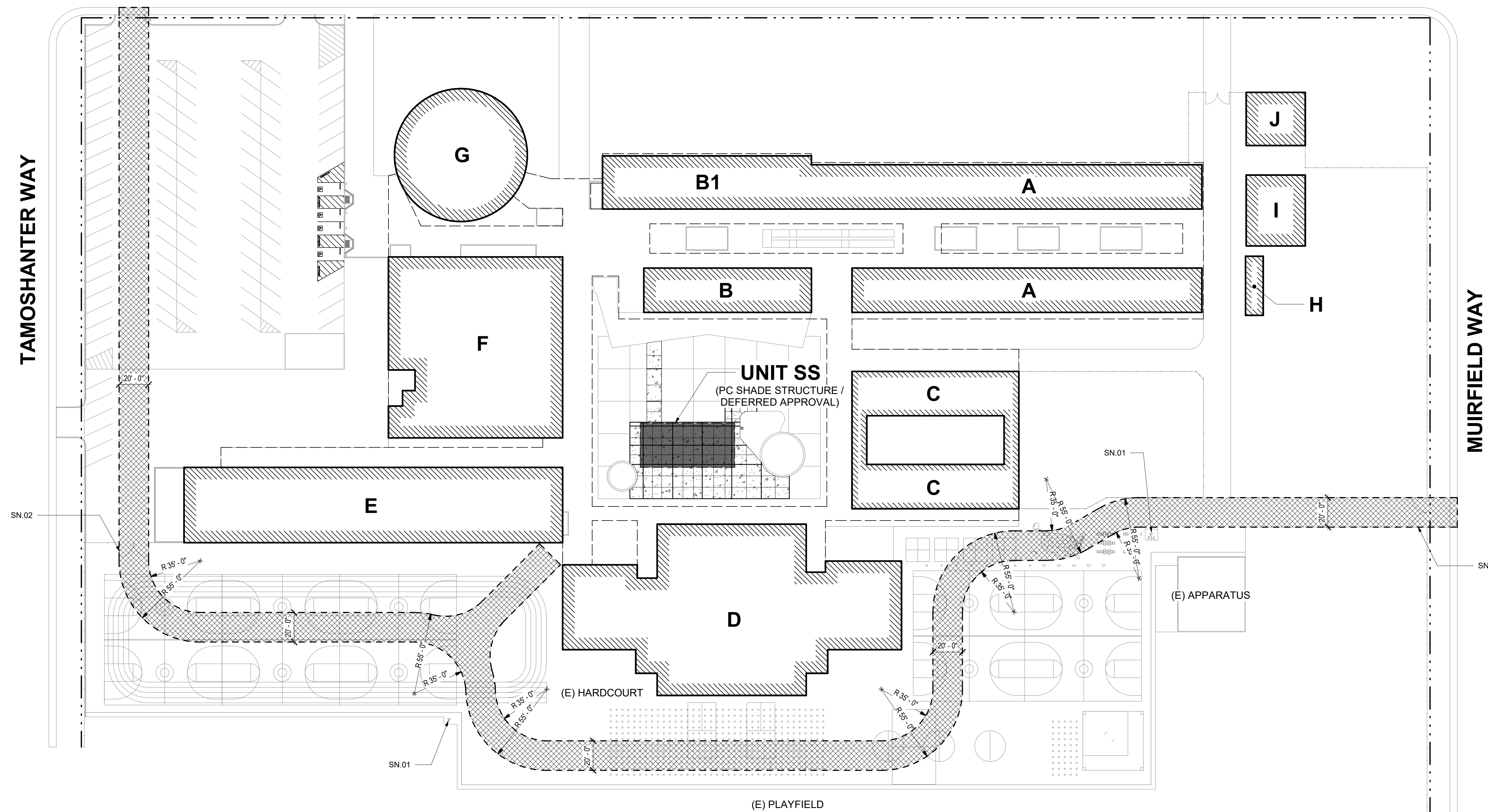
SEE OTHER SHEETS FOR CONSTRUCTION

THIS PLAN INCLUDES INFORMATION FOR LOCAL FIRE AUTHORITY APPROVAL ONLY. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION DETAILS.

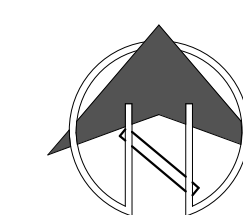
PROJECT NO. 1504.10
 DATE: 3/22/2022
 SHEET

A0.7

68TH AVENUE



1 LOCAL FIRE AUTHORITY PLAN
 1" = 40'-0"



EXISTING TOPOGRAPHY

- = PROPERTY LINE
- = CENTERLINE
- = EASEMENT
- ⊙ = PROPERTY CORNER FOUND AS NOTED
- ⊙ = PROPERTY CORNER NOTHING FOUND OR SET
- △123 = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- = SWALE OR DRAINAGE FLOW
- = DRAINAGE FLOW
- = FENCE (TYPE NOTED)
- = TREE (SIZE/TYPE INDICATED)
- = SLOPE
- 100 = CONTOUR
- = CONCRETE SURFACE
- = EDGE OF ASPHALT
- = EDGE OF BUILDING
- = SIGN
- = POST OR BOLLARD
- 99.99 = GROUND ELEVATION
- 99.99 = 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)
- ⊙ = STORM DRAIN MANHOLE
- = STORM DRAIN CLEANOUT
- = DROP INLET
- = AREA DRAIN
- = RAIN WATER LEADER
- DS = DOWNSPOUT
- 12"SS = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW)
- 12"SS = SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS = SANITARY SEWER LINE (UNDERGROUND LOCATING)
- ⊙ = SANITARY SEWER MANHOLE
- = SANITARY SEWER CLEANOUT
- W--- = WATER LINE (SIZE INDICATED)
- W--- = WATER LINE (RECORD INFORMATION)
- W--- = WATER LINE (UNDERGROUND LOCATING)
- ⊙ = WATER MANHOLE
- = WATER VALVE
- ⊙ = WATER METER
- ⊙ = WATER BOX
- = IRRIGATION CONTROL VALVE
- ⊙ = FIRE HYDRANT
- OH-E--- = OVERHEAD ELECTRIC LINE
- E--- = UNDERGROUND ELECTRIC LINE
- E--- = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E--- = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ⊙ = ELECTRIC MANHOLE
- = UTILITY POLE (WITH GUY WIRE)
- ⊙ = ELECTRIC METER
- ⊙ = ELECTRIC BOX
- ⊙ = STREET LIGHTING BOX
- ⊙ OR ⊙ = LIGHT STANDARD
- ⊙ = SIGNAL LIGHT
- ⊙ = FLOOD LIGHT
- = ELECTRICAL OUTLET
- G--- = GAS LINE (SIZE INDICATED)
- G--- = GAS LINE (RECORD INFORMATION)
- G--- = GAS LINE (UNDERGROUND LOCATING)
- ⊙ = GAS MANHOLE
- ⊙ = GAS VALVE
- ⊙ = GAS METER
- T--- = TELEPHONE LINE
- T--- = TELEPHONE LINE (RECORD INFORMATION)
- T--- = TELEPHONE LINE (UNDERGROUND LOCATING)
- ⊙ = STORM DRAIN BOX
- ⊙ = TRAFFIC SIGNAL BOX

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEV
1	CPS CHISELED "+"	11409.28	9207.41	10.28
3	CPF BM 337-02E EL=11.733	11369.75	9362.98	11.74
4	CPS CHISELED "+"	11410.81	9382.69	10.62
5	CPF CURB TIE	11400.64	9027.62	9.26
11	CPS PICKER	11197.36	9649.32	12.50
12	CPS CHISELED "+"	11071.71	9558.41	12.50
13	CPS CHISELED "+"	11117.15	9646.01	12.38
14	CPS CHISELED "+"	10885.53	9499.37	11.58
19	CPS CHISELED "+"	11162.82	9060.94	11.47
20	CPS CHISELED "+"	11043.76	9196.68	13.13
21	CPS CHISELED "+"	11036.94	9384.80	12.59
22	CPS CHISELED "+"	11183.46	9482.11	12.36
23	CPS CHISELED "+"	11249.01	9246.31	12.30

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 RELIEF VALVE
 - ASB AGGREGATE SUB-BASE
 - BO BLOW-OFF VALVE
 - BV BUTTERFLY VALVE
 - BW BACK OF WALK
 - C/L CENTERLINE
 - CB CATCH BASIN
 - CL CLASS
 - CM 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
 - DIP DROP INLET
 - DIA DIAMETER
 - DIP DUCTILE IRON PIPE
 - DWG DRAWING
 - DOWN DOWNHOUT
 - 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
 - GR GRATE ELEVATION
 - GRD GRATE ELEVATION
 - GV GATE VALVE
 - HB HOSE BIBB
 - HBD HEADER BOARD
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - HP HIGH POINT
 - HW PIPE INVERT ELEVATION
 - JP JOINT UTILITY POLE
 - LF LINEAL FEET
 - LIP LIP OF GUTTER
 - LT LEFT
 - MS MOWSTRIP
 - NTS NOT TO SCALE
 - OH OVERHEAD
 - PC PORTLAND CEMENT CONCRETE
 - PD PLANTER DRAIN
 - PV POST INDICATOR VALVE
 - P/L PROPERTY LINE
 - PP POWER POLE
 - PUE PUBLIC UTILITY EASEMENT
 - PVC POLYVINYL CHLORIDE
 - RCP REINFORCED CONCRETE PIPE
 - R RADIUS
 - RIM MANHOLE RIM ELEVATION (SOLID COVER)
 - RP REDUCED PRESSURE BACKFLOW PREVENTER
 - RD 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
 - TELEPHONE 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/ WITH
 - W/O WITHOUT
 - WW WATER VALVE

LEGEND

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

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD 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
- 99.99 ELEVATION
- FF=100.00 FINISHED FLOOR ELEVATION
- PAD=99.33 BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- ⊗ TREE TO BE REMOVED
- RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

- 8" SS SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
- SANITARY SEWER MANHOLE (SSMH)
- SEWER CLEANOUT
- SEWER BRANCH

PROPOSED WATER SYMBOLS:

- 8" W WATER LINE & SIZE
- 8" FS FIRE LINE & SIZE
- 8" DW DOMESTIC WATER LINE & SIZE
- 8" RW RECLAIMED WATER LINE & SIZE
- 8" IRR IRRIGATION SERVICE LINE & SIZE
- 8" NP NON POTABLE WATER LINE & SIZE
- 8" SP FIRE SPRINKLER SERVICE LINE & SIZE
- GATE VALVE
- WATER METER
- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION
- DETECTOR CHECK VALVE
- REDUCED PRESSURE BACKFLOW PREVENTER
- BUTTERFLY VALVE
- AIR RELEASE VALVE + SIZE
- BLOW-OFF VALVE + SIZE
- POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

- 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.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- 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 TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN 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.
- 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.

UTILITY VERIFICATION NOTE

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.

IRRIGATION DEMOLITION NOTE

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.

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, CAUSED BY OTHERS. 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 ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S 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 CLEAR PATCH BAG AREA 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 "TEE" 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 ADDITIONAL SCORE OR EXPANSION JOINTS 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 CONTRACTION/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 SCORED 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 HYDRO SEEDED 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.

GENERAL PAVING SURFACE NOTES:

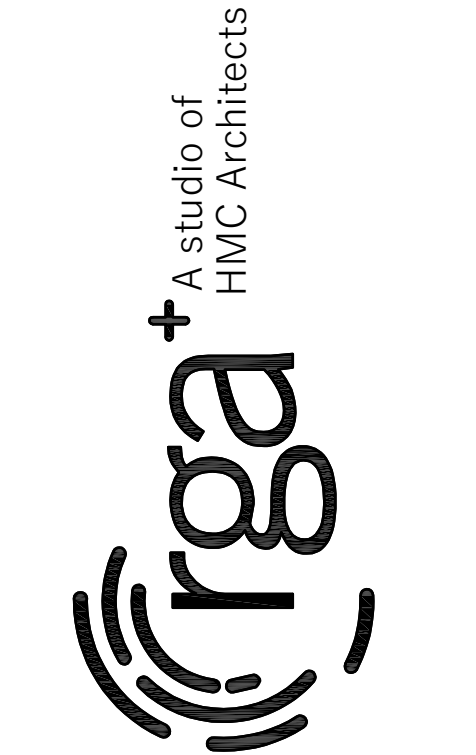
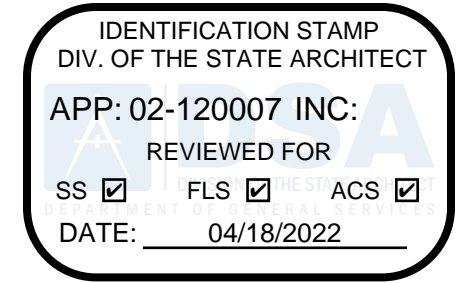
- PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% UNLESS SPECIFICALLY SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

CIVIL SHEET INDEX

- C0.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
- C1.1 DEMOLITION PLAN
- C2.1 GRADING AND PAVING PLAN

LANDSCAPE/IRRIGATION NOTE:

GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS.



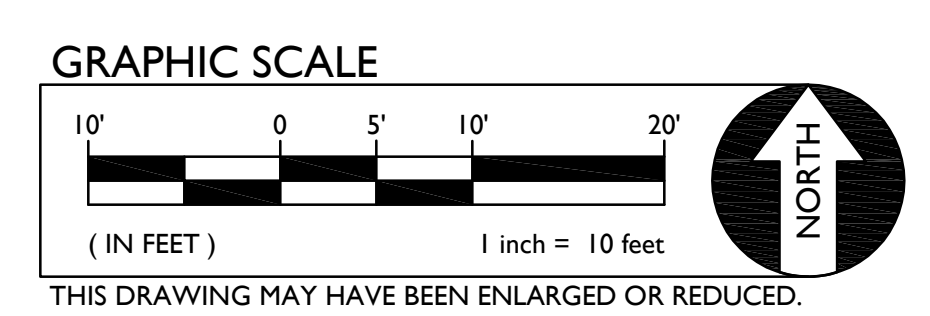
SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

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CIVIL GENERAL NOTES AND ABBREVIATIONS

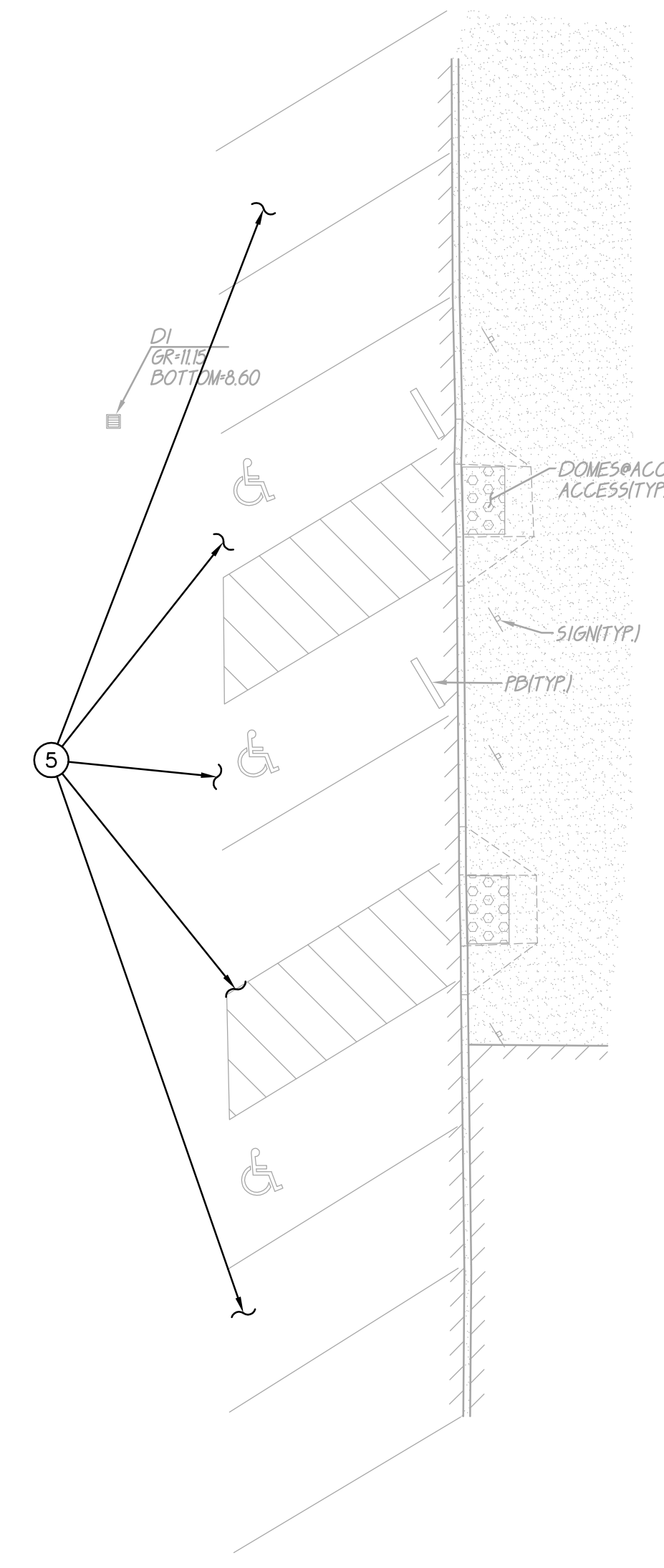
PROJECT NO. 1504.10
DATE: 4/18/2022
SHEET C0.1



- DEMOLITION NOTES**
1. SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVING 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. REMOVE EXISTING UTILITY BOX AND/OR FRAME AND COVER AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER.
 5. BLACK OUT EXISTING STRIPING.
 6. REMOVE AND DISPOSE OF EXISTING DROP INLET.
 7. REMOVE AND DISPOSE OF EXISTING HOSE BIBB.
 8. REMOVE AND DISPOSE OF EXISTING POST HOLE AND ASSOCIATED FOOTING.
 9. REMOVE AND DISPOSE OF EXISTING WATER VALVE AND BOX.
 10. REMOVE AND DISPOSE OF EXISTING WATER LINE TO EXTENT SHOWN.
 11. REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE TO EXTENT SHOWN.

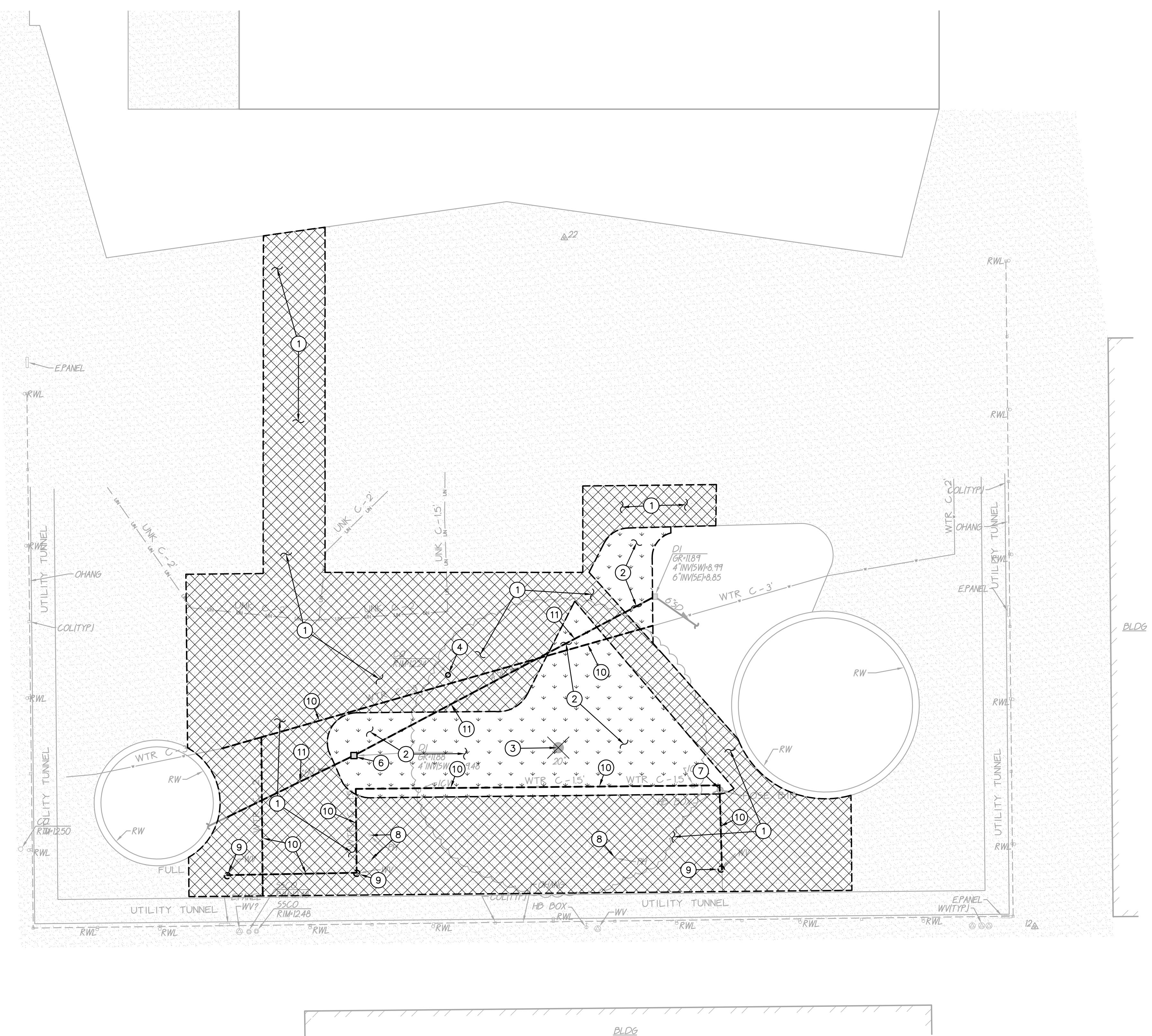
DEMOLITION PLAN - ACCESSIBLE PARKING

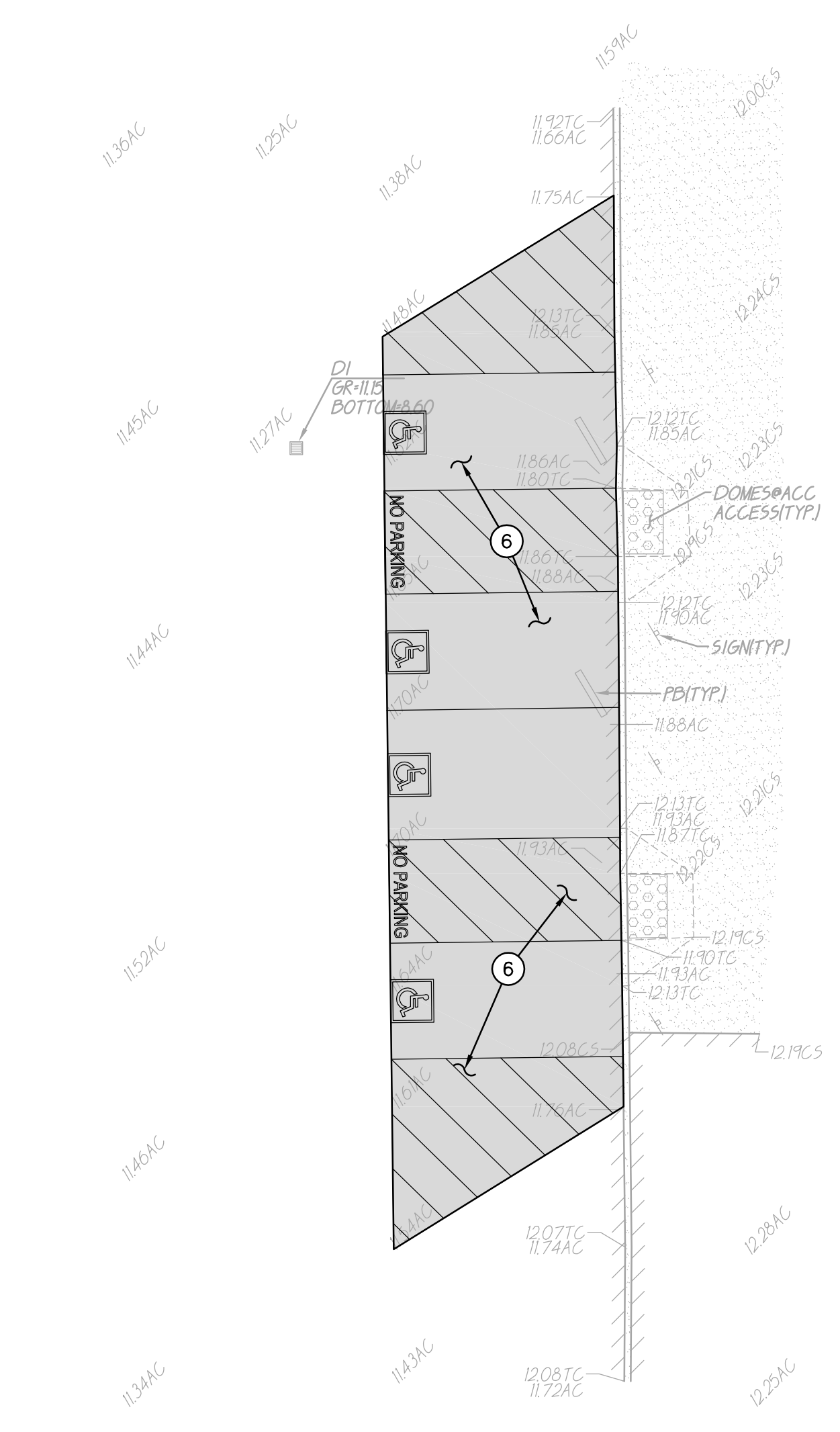
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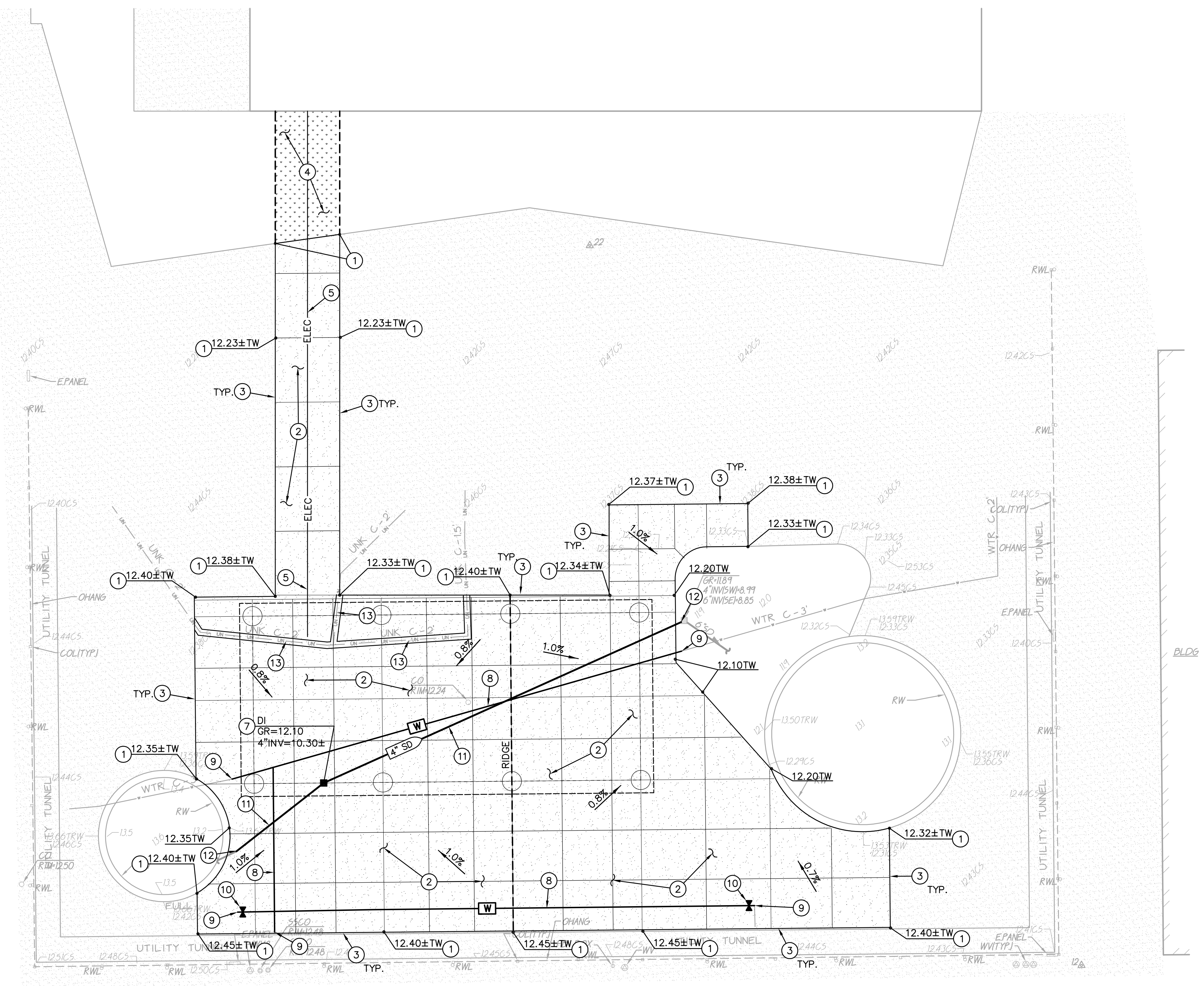
DEMOLITION PLAN - SHADE STRUCTURE

SCALE: 1"=10'

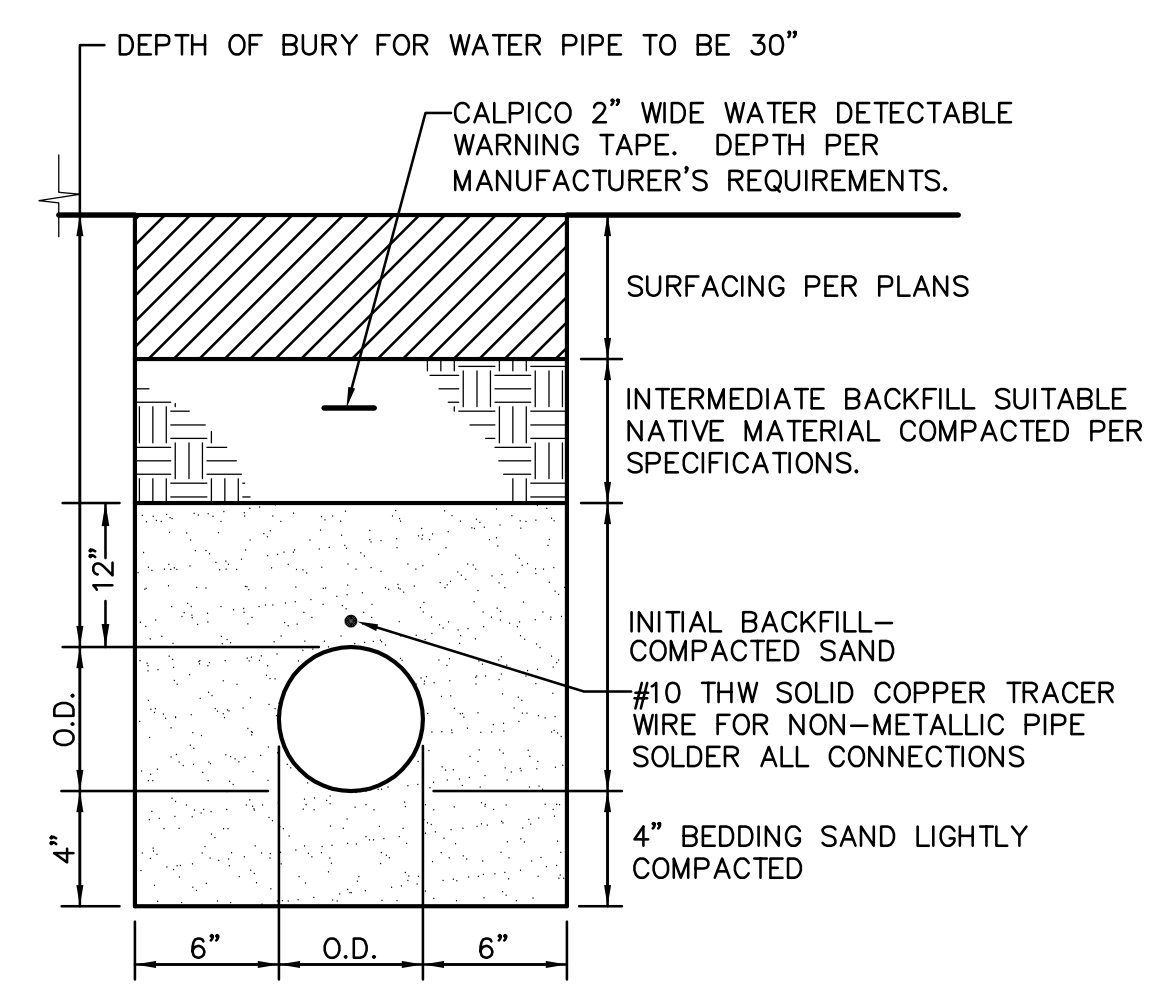




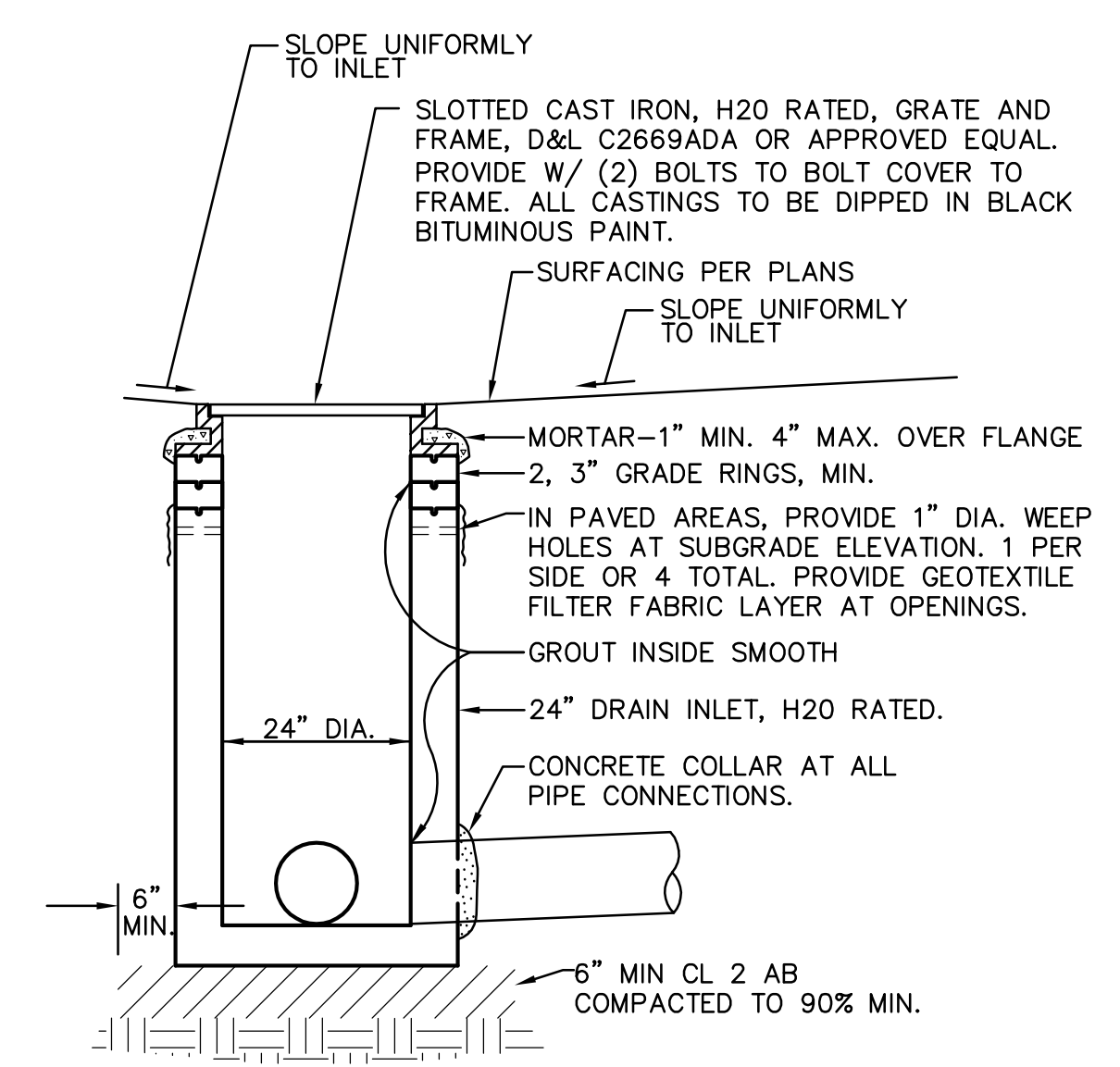
GRADING AND PAVING PLAN - ACCESSIBLE PARKING
 SCALE: 1"=10'



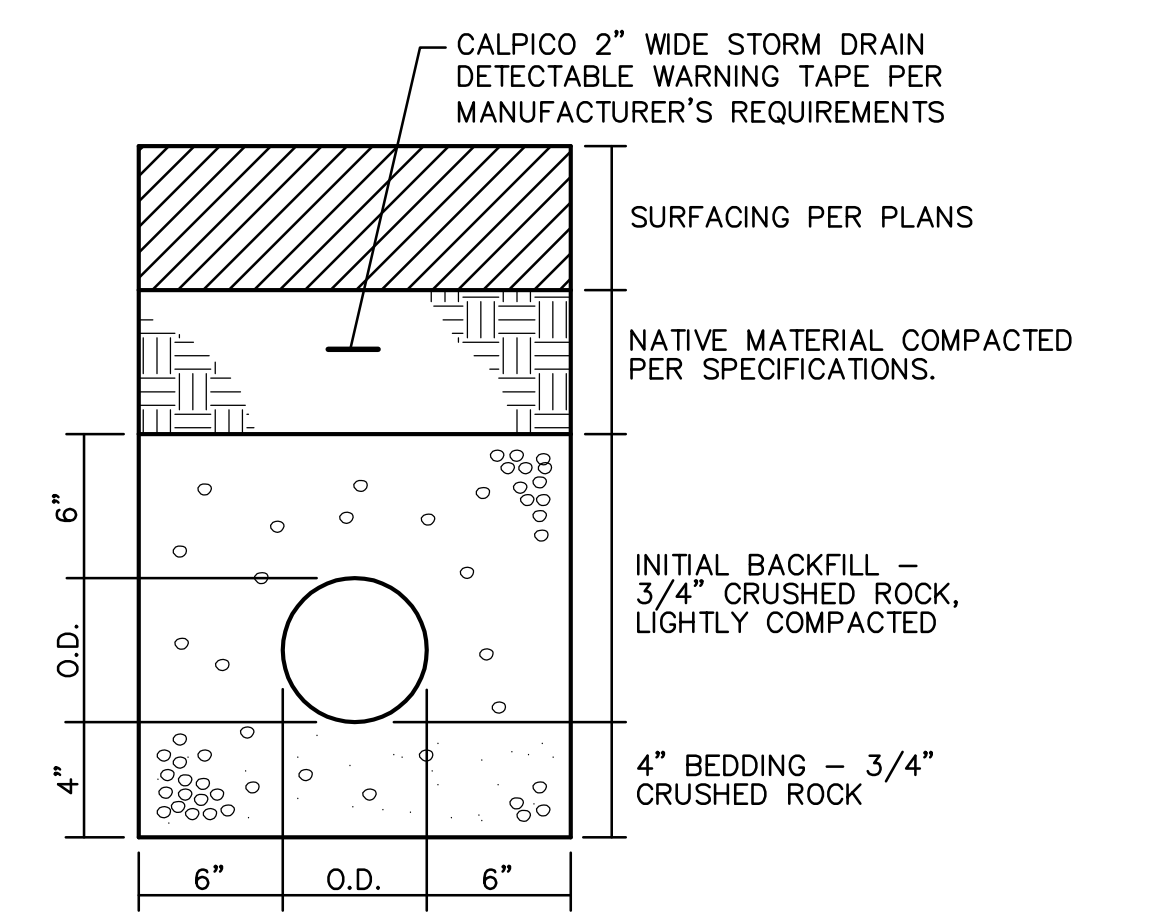
GRADING AND PAVING PLAN - SHADE STRUCTURE
 SCALE: 1"=10'



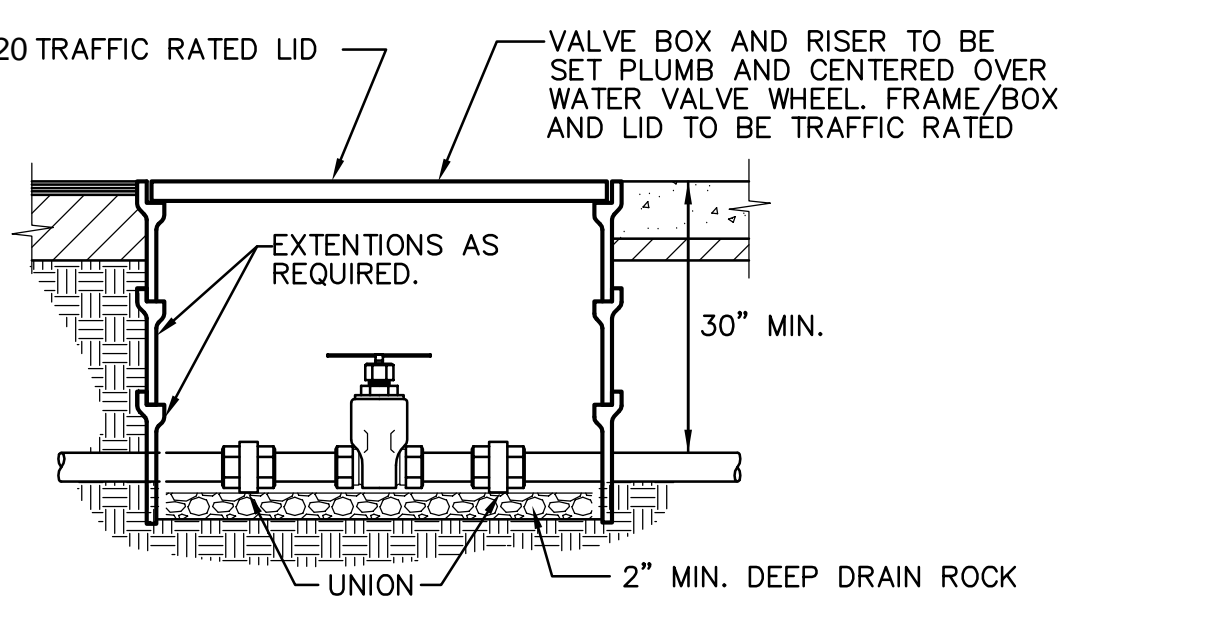
4 WATER TRENCH
 C2.1 NO SCALE



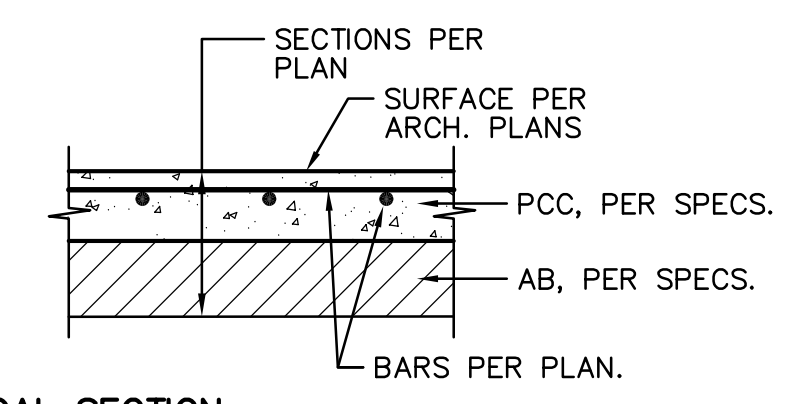
2 DROP INLET
 C2.1 NO SCALE



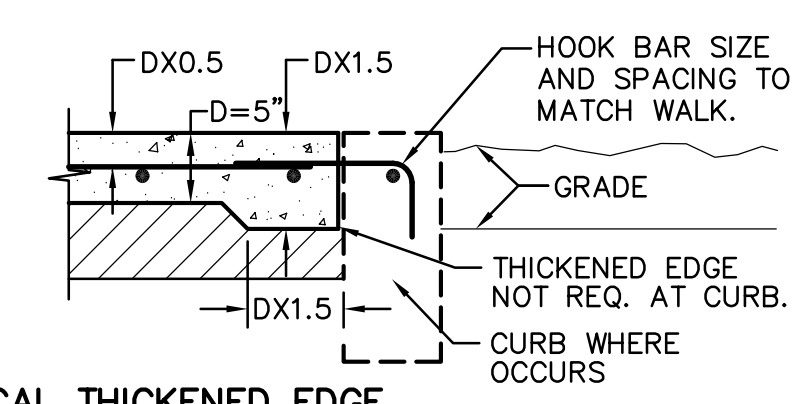
5 STORM DRAIN TRENCH
 C2.1 NO SCALE



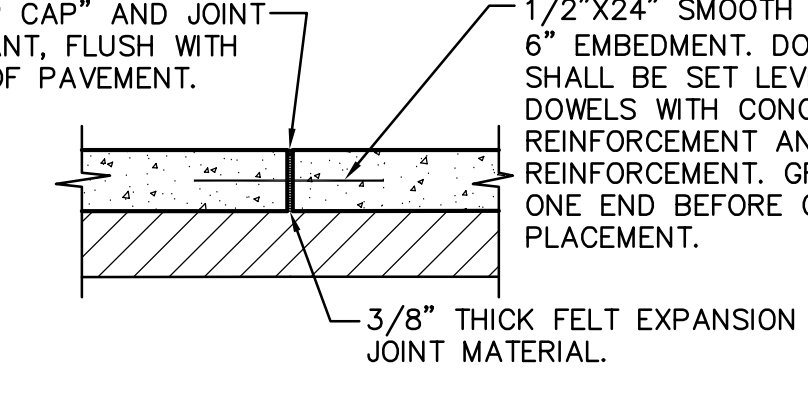
3 WATER VALVE
 C2.1 1/2" TO 3" PIPE NO SCALE



TYPICAL SECTION



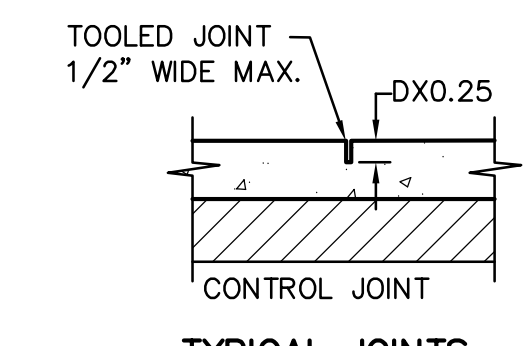
TYPICAL THICKENED EDGE



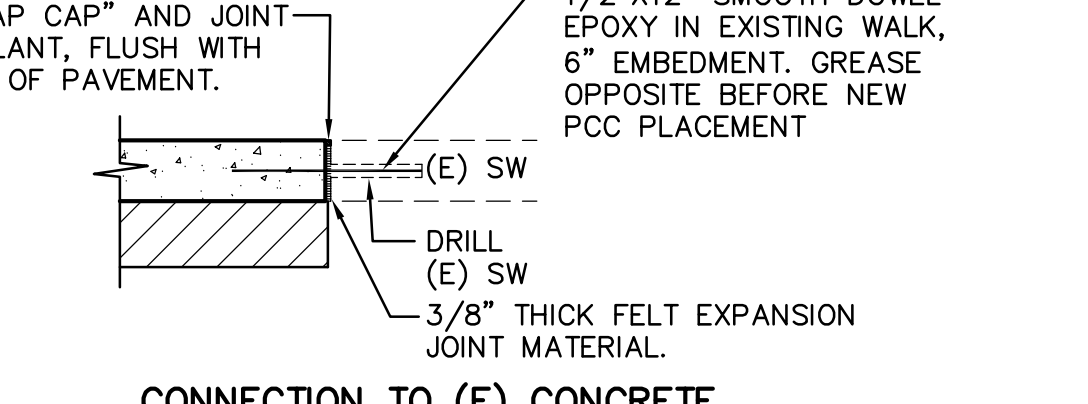
1 CONCRETE SIDEWALK
 C2.1 NO SCALE

SUBGRADE PREPARATION

- 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. UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.



TYPICAL JOINTS



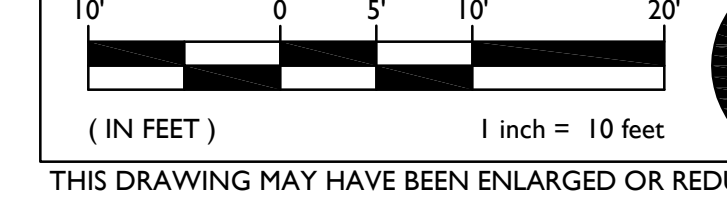
CONNECTION TO (E) CONCRETE

- NOTES:
- PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MIN.
 - PROVIDE CONTROL JOINTS AT 10 FEET O.C. MIN.
 - EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

GRADING NOTES

- MATCH EXISTING GRADE/ELEVATION.
- CONSTRUCT CONCRETE SIDEWALK PER 1 C2.1
 PLACE 5" PCC WITH #4 REBAR AT 24" O.C.E.W. OVER 12" CL2 AGGREGATE BASE ON COMPACTED SUBGRADE.
- DOWEL INTO EXISTING CONCRETE PER 1 C2.1
- 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.
- REFER TO ELECTRICAL PLANS FOR CONDUIT PLACEMENT AND DETAILING.
- CRACK FILL AND PLACE TWO (2) APPLICATIONS OF SEAL COAT PRIOR TO STRIPING.
- CONSTRUCT DROP INLET PER 2 C2.1
- PLACE WATER PIPE. SIZE TO MATCH EXISTING LINE SIZE 4 C2.1
- CONNECT TO EXISTING WATER PIPE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
- PLACE WATER VALVE AND VALVE BOX. SIZE TO MATCH LINE SIZE 3 C2.1
- PLACE 4" STORM DRAIN PER 5 C2.1
- CONNECT TO EXISTING STORM DRAIN PIPE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
- PLACE 2-SACK CONCRETE SLURRY FROM TOP OF SEWER PIPE TO 6" MIN. ABOVE PIPE, EXTENDING 6" ON EITHER SIDE OF PIPE.

GRAPHIC SCALE



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GRADING AND PAVING PLAN

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT:

1) HAVE BEEN IDENTIFIED AND

2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT: 100 STALLS
 ACCESSIBLE PARKING STALLS: (TABLE 11B-208.2)
 REQUIRED ACCESSIBLE STALLS: 4 (76-100 TOTAL STALLS)
 REQUIRED VAN ACCESSIBLE STALLS: 1 (1-4 ACCESSIBLE STALLS)
 ACCESSIBLE STALLS PROVIDED: 2 STANDARD & 2 VAN

PROPOSED SHADE STRUCTURE

UNIT	DESCRIPTION	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA (TABLE 506.2)	ACTUAL AREA	OCCUPANCY CALCULATION
SS	SHADE STRUCTURE	A-3	II-B NON-SPRINKLERED	6,000 S.F.	1,920 S.F.	1,920 S.F. / 15 NET = 128 OCC.

EXISTING BUILDING DESIGNATIONS

UNIT	DESCRIPTION	DSA APPLICATION #	AREA (SF)	NOTES
A	CLASSROOMS	20122, 02-105874	15,337	
B-B1	ADMINISTRATION / CLASSROOMS	20122, 02-105874, THIS APPLICATION	23,920	
C	CLASSROOMS	20122, 02-105874, 02-113059	7,843	
D	GYMNASIUM	20122, 02-105874	19,553	
E	CLASSROOMS	20122, 02-105874, THIS APPLICATION	13,027	
F	MULTIPURPOSE	20122, 02-105874, THIS APPLICATION	14,455	
G	CLASSROOMS	20122, 02-105874	6,082	
H	TOILET ROOMS	02-102064	480	
I	RELOCATABLE CLASSROOMS	02-102064	1,920	
J	RELOCATABLE CLASSROOMS	02-104396	1,380	

LEGEND

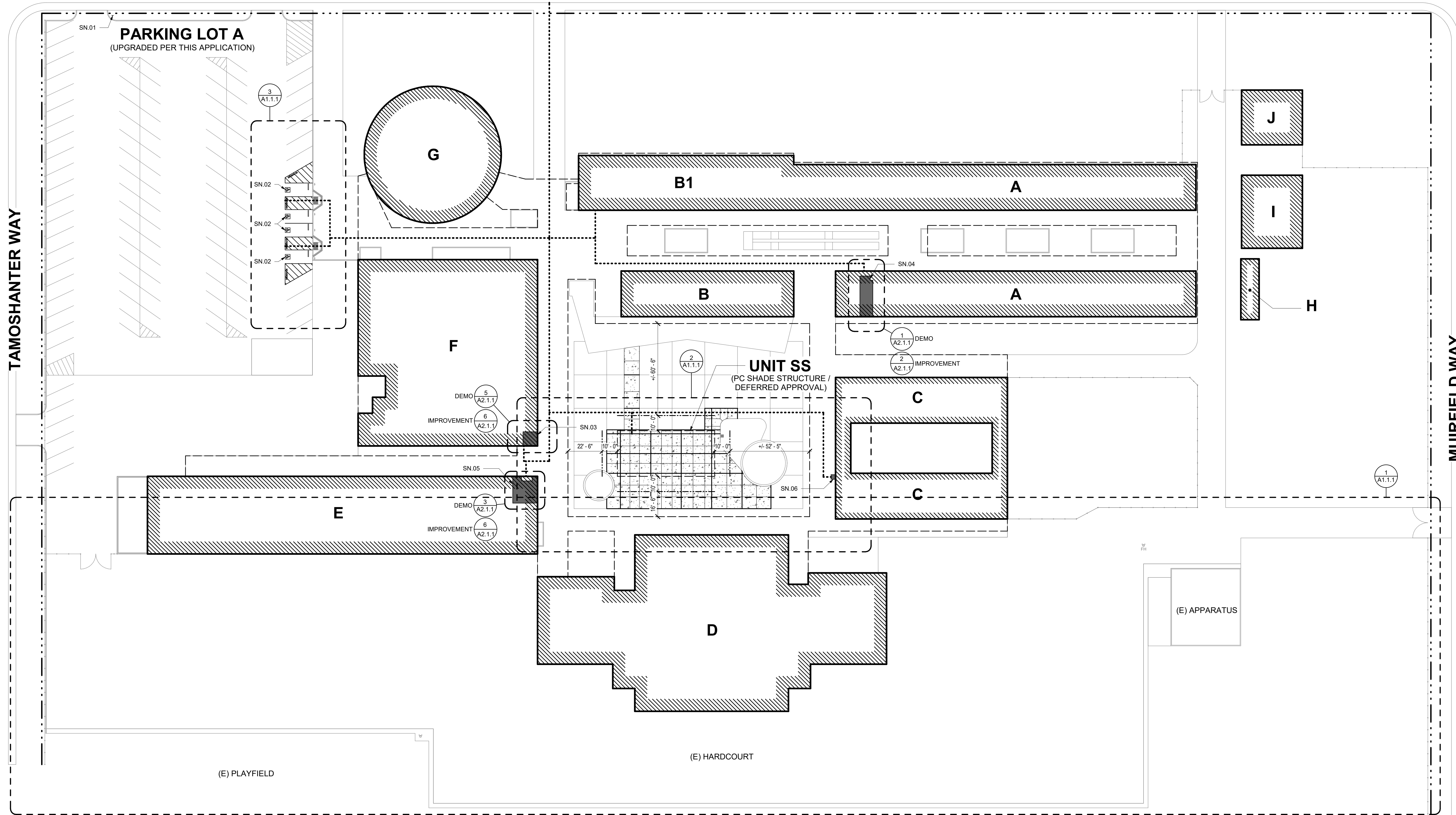
- - - - - PROPERTY LINE
- [Symbol] UNIT DESIGNATION
PC SHADE STRUCTURE / DEFERRED APPROVAL
- [Symbol] UNIT DESIGNATION
EXISTING BUILDINGS
- [Symbol] EXPANSION JOINT
- [Symbol] CONCRETE WALK / PAVING CONTROL JOINT
- [Symbol] ASPHALT CONCRETE PAVING
- - - - - ACCESSIBLE PATH OF TRAVEL

1. SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2" ONLY. ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:1. UNIT VERTICAL TO 2 UNITS HORIZONTAL.
2. WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATINGS WHICH OCCUR WITHIN THE P.O.T. SHALL HAVE OPENINGS WHICH DO NOT EXCEED 1/2" IN THE DIRECTION OF TRAVEL PER CBC SECTION 11B-302.3.
3. AN ABRUPT DROP-OFF CHANGE IN ELEVATION AT THE EDGE OF ANY WALK INTO AN ADJACENT PLANTER SHALL NOT EXCEED 4".
4. SLOPES IN THE DIRECTION OF THE P.O.T. GREATER THAN 1:1 UNIT VERTICAL TO 23 UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 11B-506. SLOPES IN THE DIRECTION OF THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES IN THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 2%.
5. ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF 5% OR LESS SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A LIGHT BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 5% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH.
6. OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE WITHIN THE P.O.T. PER CBC SECTION 11B-307.
7. PASSING SPACES (11B-403.5.3) OF 60" X 60" MIN. ARE LOCATED NOT MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE 60" IN LENGTH LEVEL RESTING AREAS (11B-403.7) NOT MORE THAN 400' APART. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN (11B-307.4) AND FREE OF PROTRUDING OBJECTS (11B-307) GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE REQUIRED FOR ACCESSIBLE ROUTES (11B-307.5).

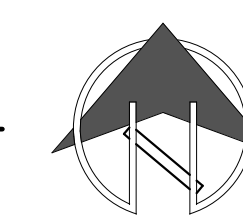
SHEET NOTES

- SN 01 PARKING LOT ENTRANCE SIGN PER THIS APPLICATION. SEE [Symbol] A1.1.1
- SN 02 ACCESSIBLE PARKING STALLS PER THIS APPLICATION
- SN 03 (E) ACCESSIBLE STAFF TOILET ROOM UPGRADED PER THIS APPLICATION
- SN 04 (E) ACCESSIBLE GIRL'S TOILET ROOM UPGRADED PER THIS APPLICATION
- SN 05 (E) ACCESSIBLE BOYS TOILET ROOM UPGRADED PER THIS APPLICATION
- SN 06 (E) ACCESSIBLE DRINKING FOUNTAIN PER DSA APPLICATION #02-105874

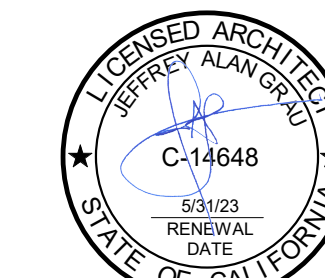
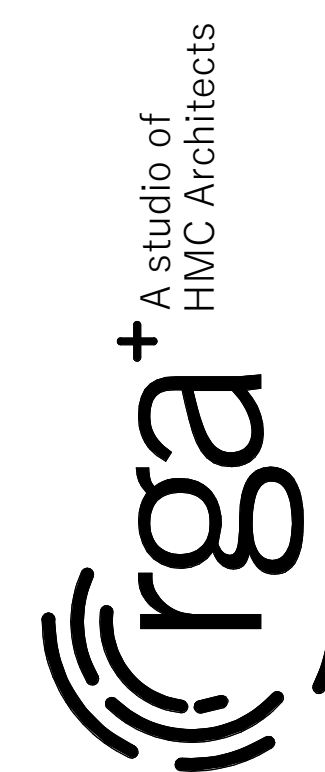
68TH AVENUE



1 SITE PLAN
1" = 30'-0"



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120007 INC.
 REVIEWED FOR
 SS [] FLS [] ACS []
 DATE: 04/18/2022



SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

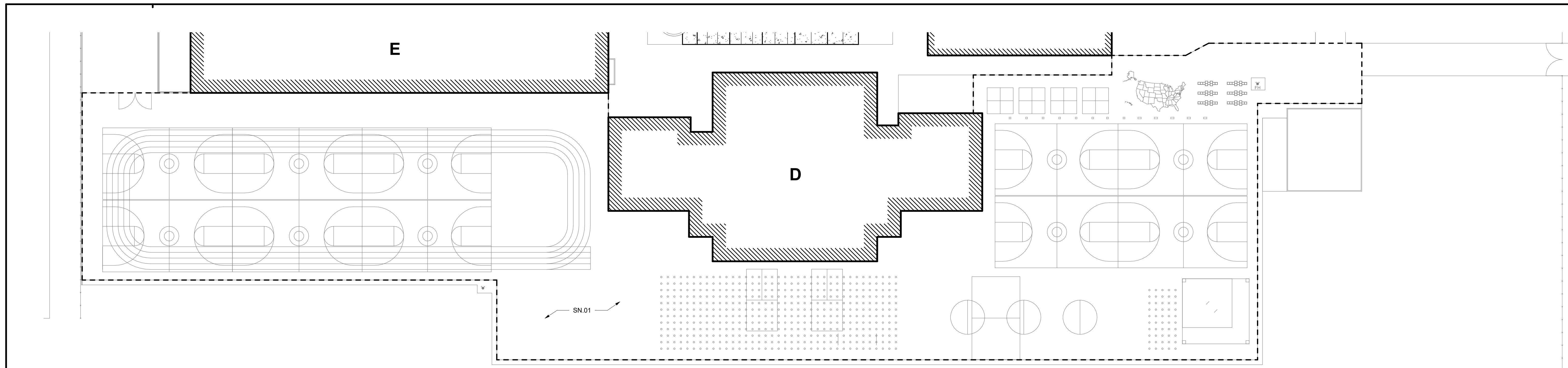
Revision

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SITE PLAN AND CODE INFORMATION

PROJECT NO. 1504.10
 DATE: 3/22/2022
 SHEET

A11.0



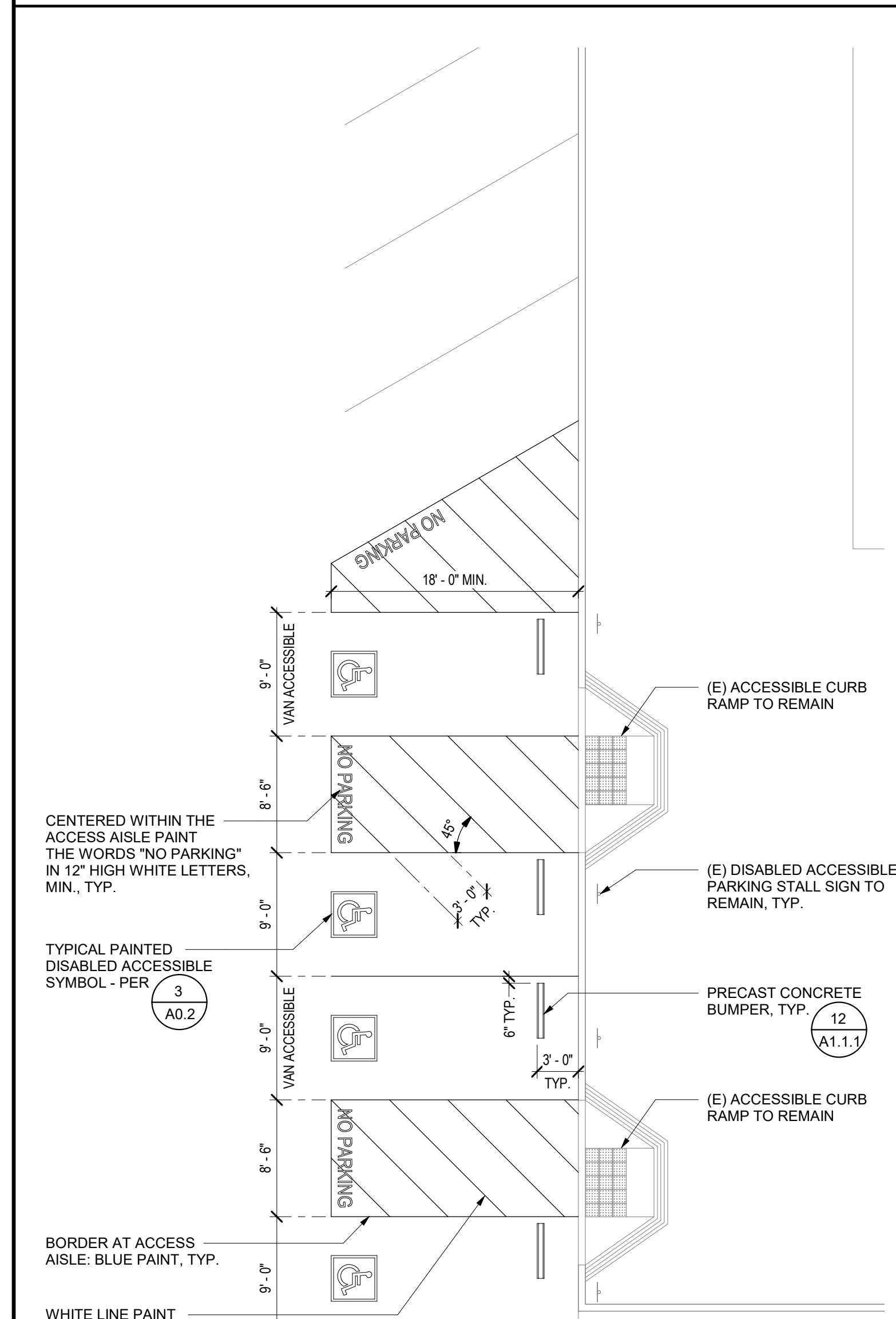
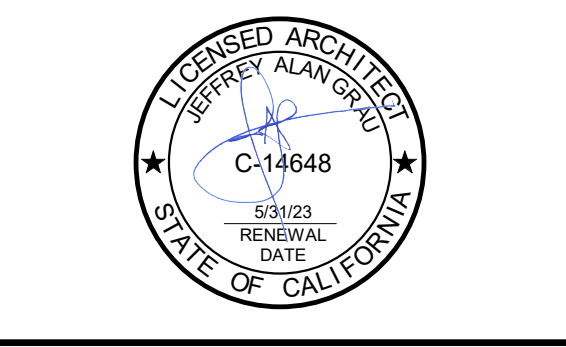
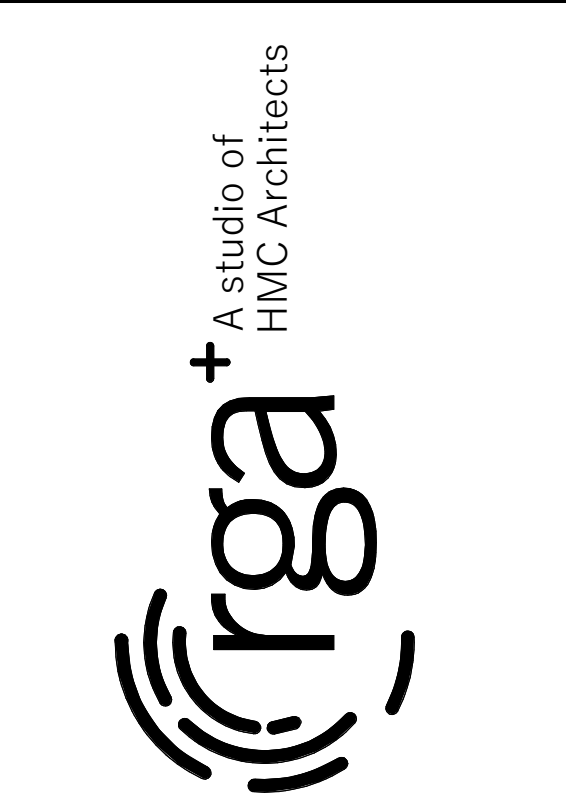
1 ENLARGED PLAN - STRIPING
1" = 30'-0"

- LEGEND**
- PROPERTY LINE
 - [Hatched Box] UNIT DESIGNATION
PC SHADE STRUCTURE / DEFERRED APPROVAL
 - [Hatched Box] UNIT DESIGNATION
EXISTING BUILDINGS
 - [Dashed Line] EXPANSION JOINT
 - [Hatched Box] CONCRETE WALK / PAVING
CONTROL JOINT
 - [Dotted Box] ASPHALT CONCRETE PAVING

- GENERAL NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF CRACK REPAIR AT (E) HARDCOURT.
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING (E) STRIPING CONDITIONS AND VERIFYING EXACT LAYOUT TO BE RESTRIPTED WITH DISTRICT.

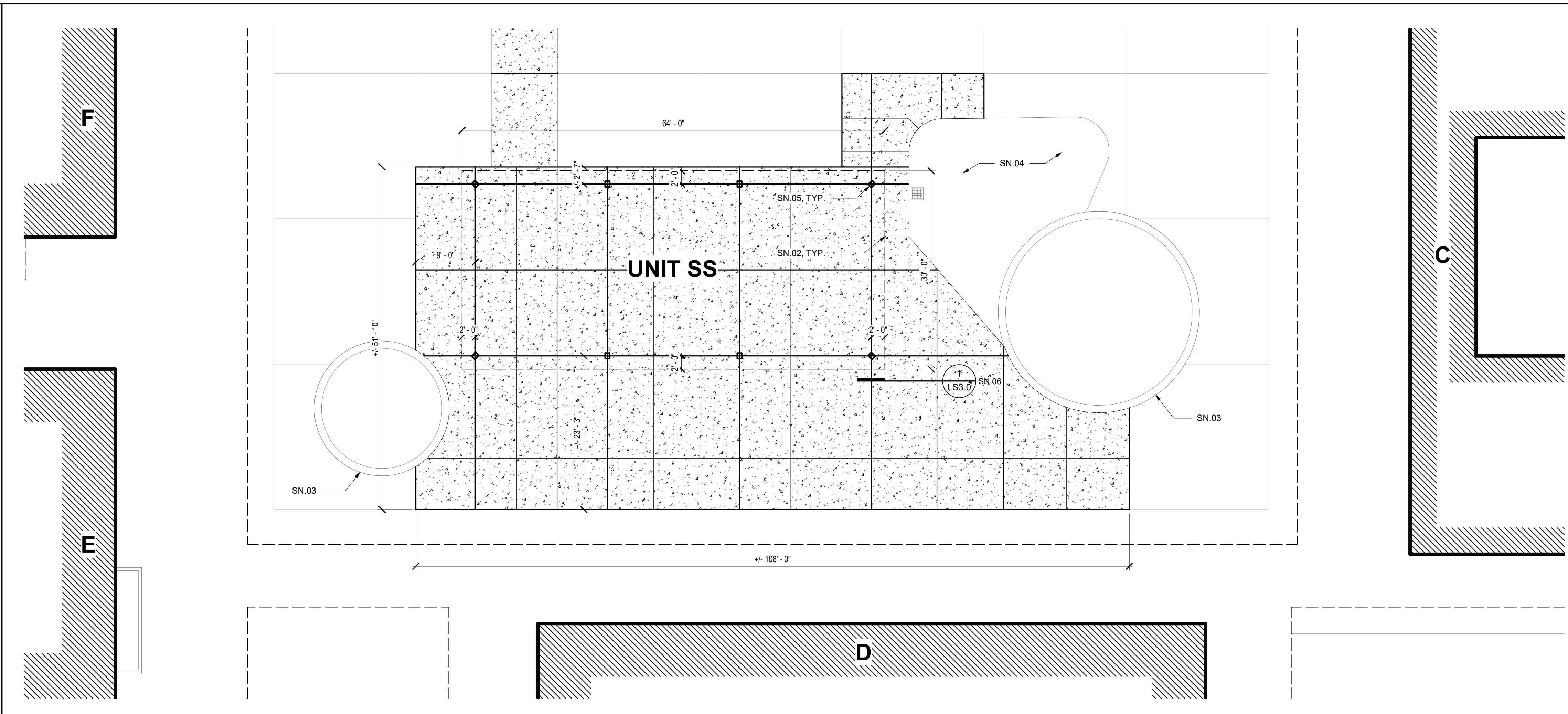
- SHEET NOTES**
- SN 01 ALTERNATE 1: (E) HARDCOURT SHALL RECEIVE CRACK REPAIRS AND 2 COATS OF SEAL COAT. (E) STRIPING IS TO BE RESTRIPTED OVER SEAL COAT. EXTENTS SHOWN DASHED
 - SN 02 ROOF OVERHANG ABOVE, PER PC SHADE STRUCTURE / DEFERRED APPROVAL. CONTRACTOR IS RESPONSIBLE FOR FIELD CUTTING METAL ROOF PANELS FOR INSTALLATION.
 - SN 03 (E) PLANTER AND SEAT WALL TO REMAIN
 - SN 04 (E) PLANTER AREA TO REMAIN
 - SN 05 HSS COLUMN AND FOOTING, PER PC SHADE STRUCTURE / DEFERRED APPROVAL
 - SN 06 FOR FOOTING / CONCRETE PAD / COLUMN INTERACTION, SEE PC SHADE STRUCTURE / DEFERRED APPROVAL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120007 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04/18/2022

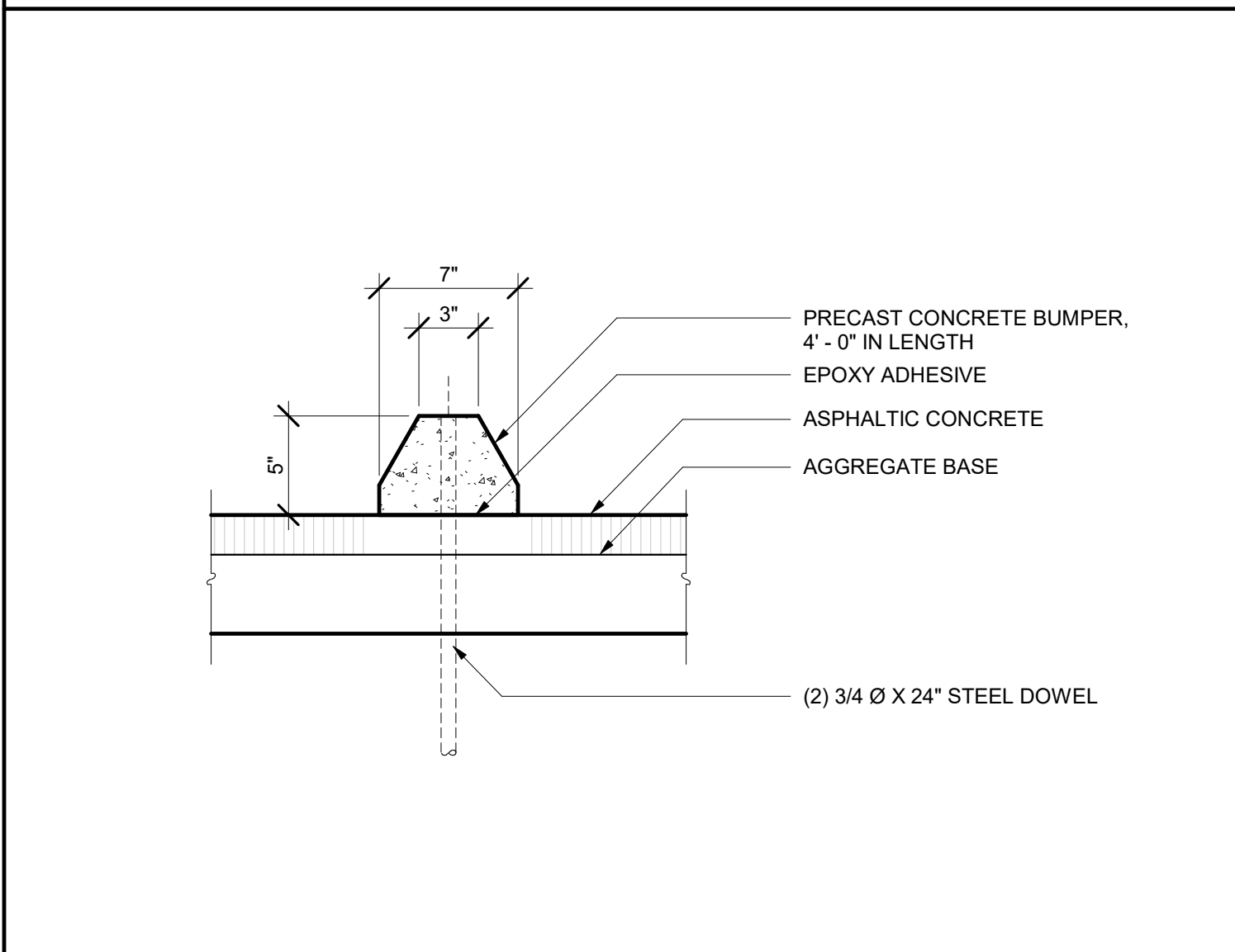


- NOTES:**
1. PARKING STALL SHALL BE STRIPED USING WHITE PAINT (U/O.N). STRIPES SHALL BE 4" WIDE

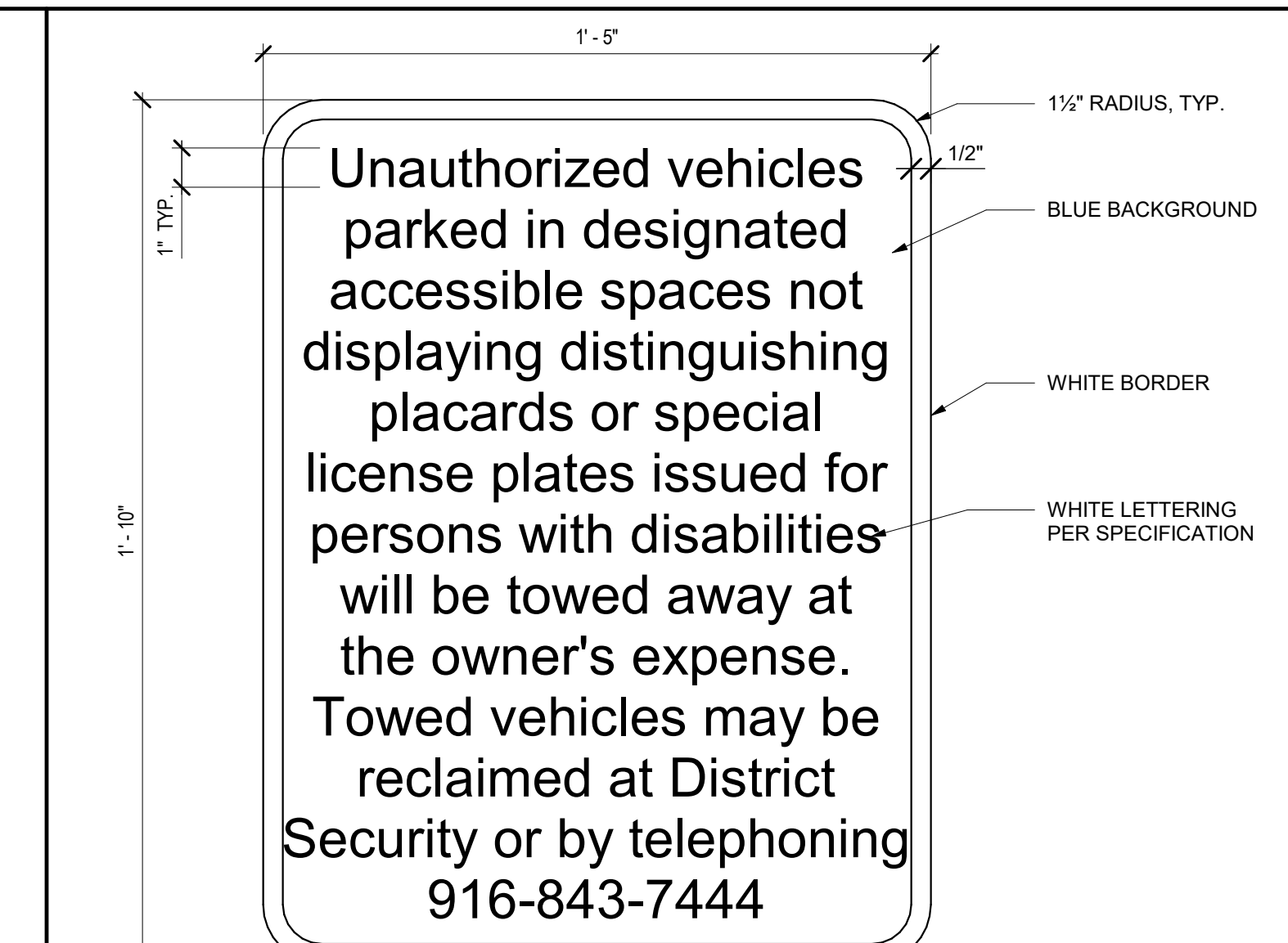
3 ENLARGED PLAN - PARKING
1/8" = 1'-0"



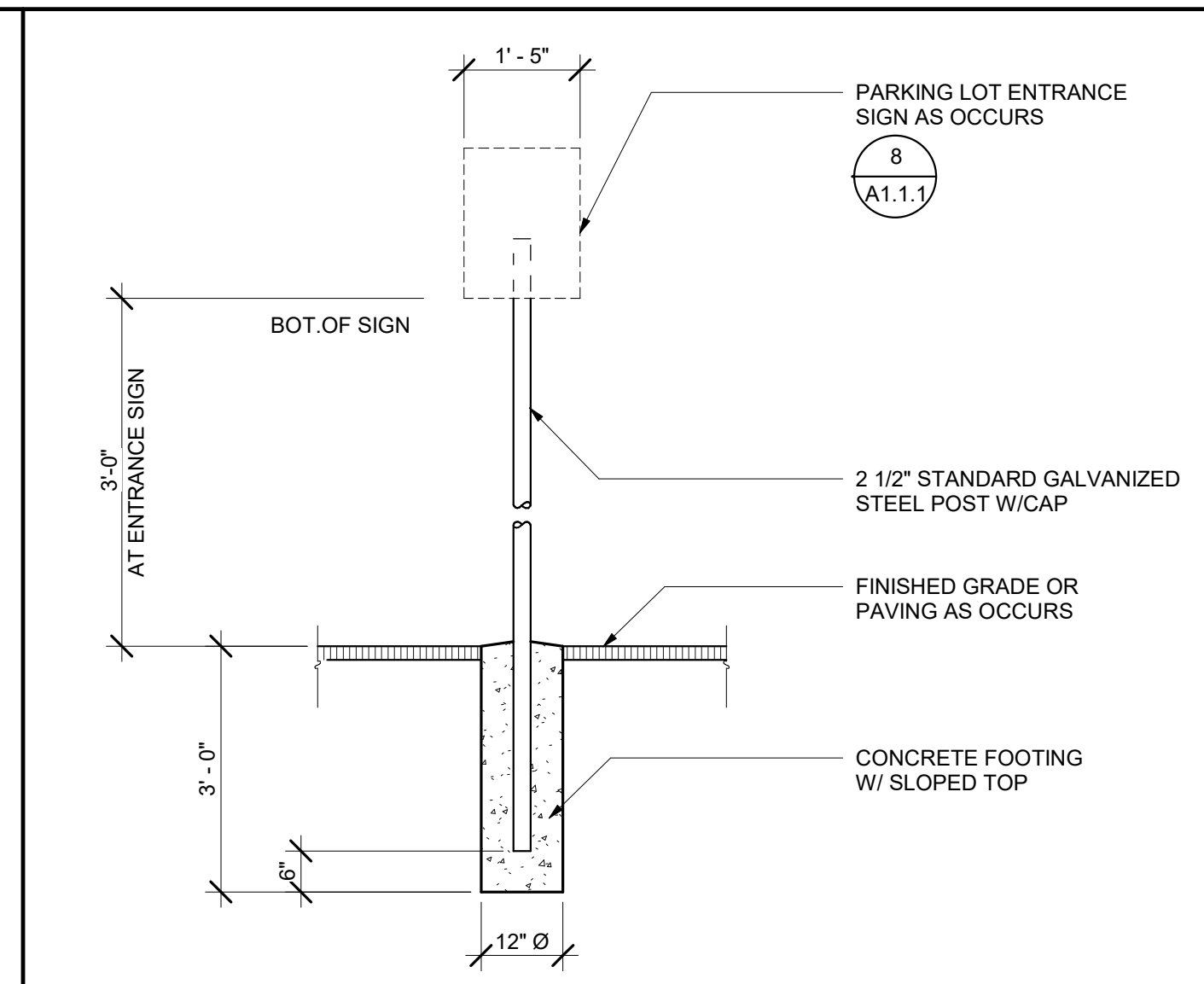
2 ENLARGED PLAN - SHADE STRUCTURE
1" = 10'-0"



12 PRECAST CONCRETE BUMPER
1 1/2" = 1'-0"



8 PARKING LOT ENTRANCE SIGN
3" = 1'-0"



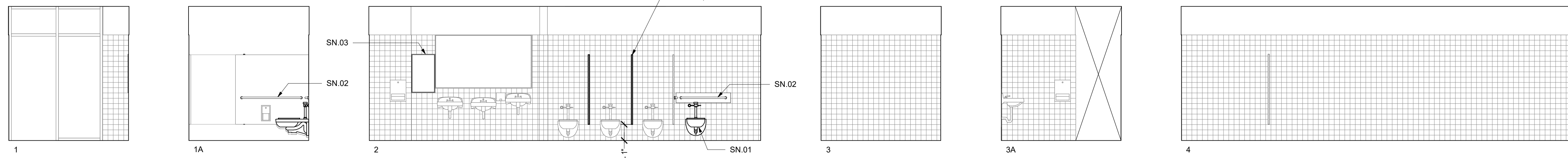
4 METAL SIGNS
1/2" = 1'-0"

SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

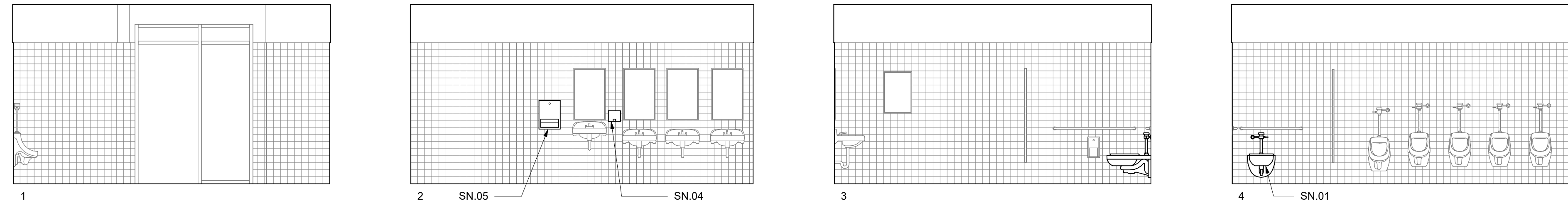
Revision

PARTIAL SITE PLANS AND DETAILS

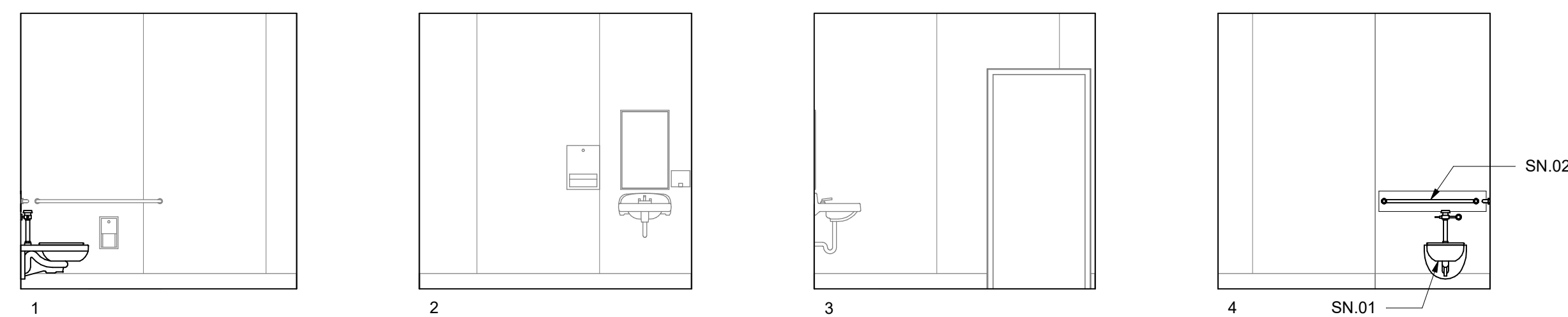
PROJECT NO. 1504.10
DATE: 3/22/2022
SHEET **A1.1.1**



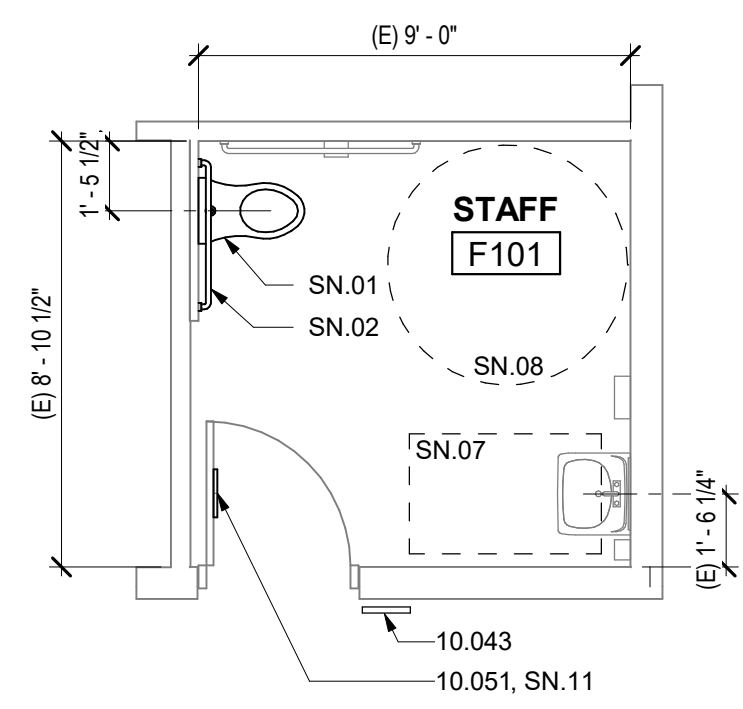
B101 - GIRLS
1/4" = 1'-0"



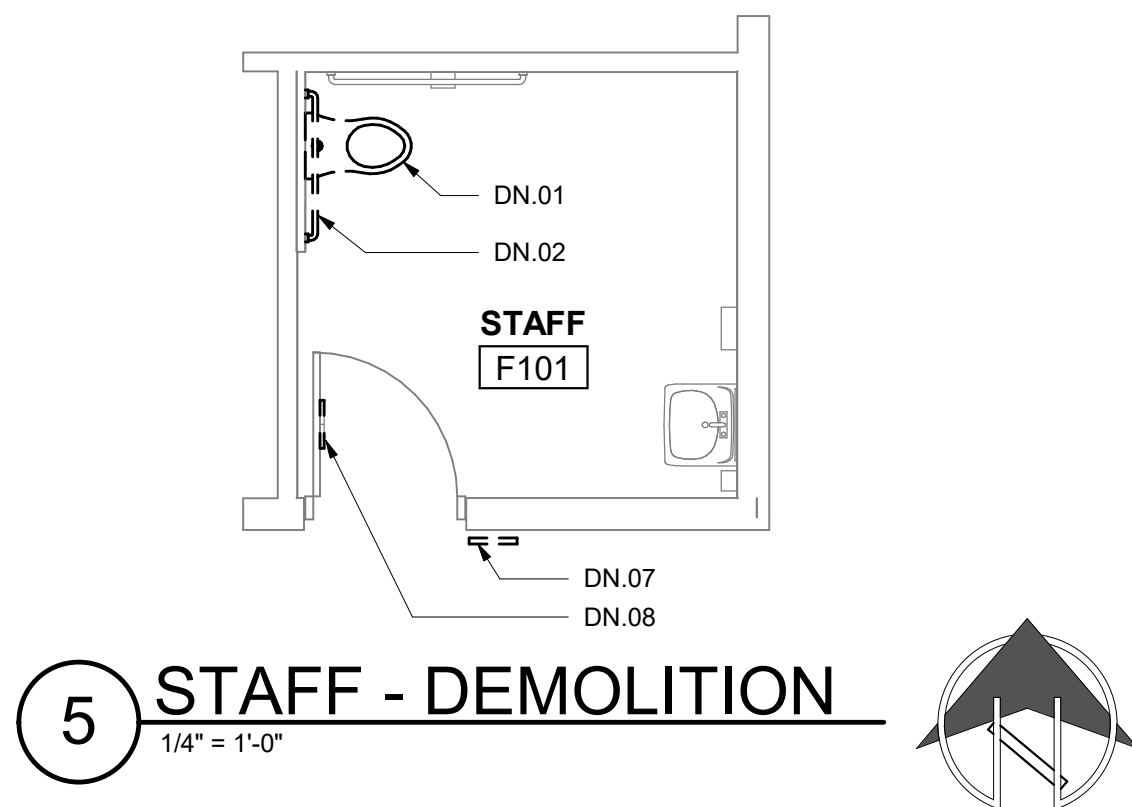
E101 - BOYS
1/4" = 1'-0"



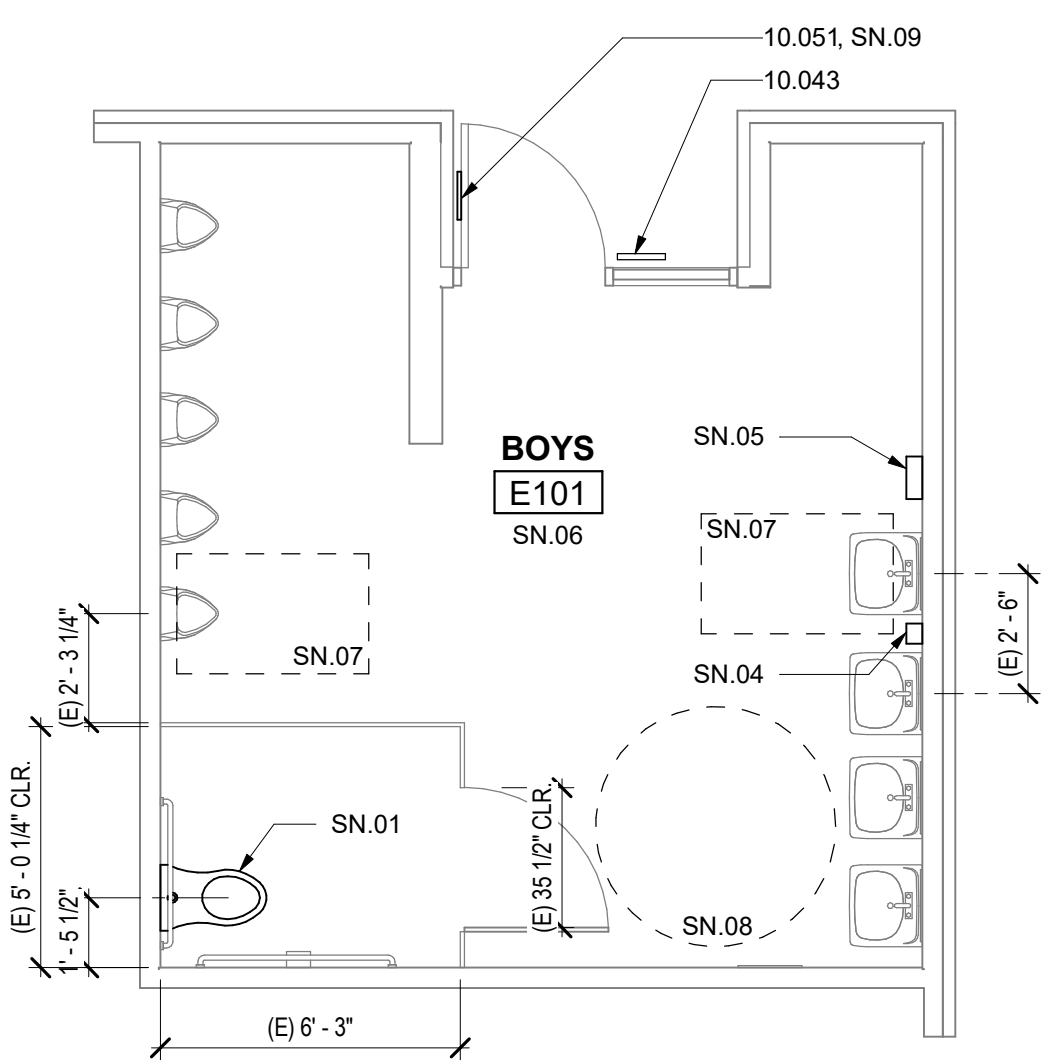
F101 - STAFF
1/4" = 1'-0"



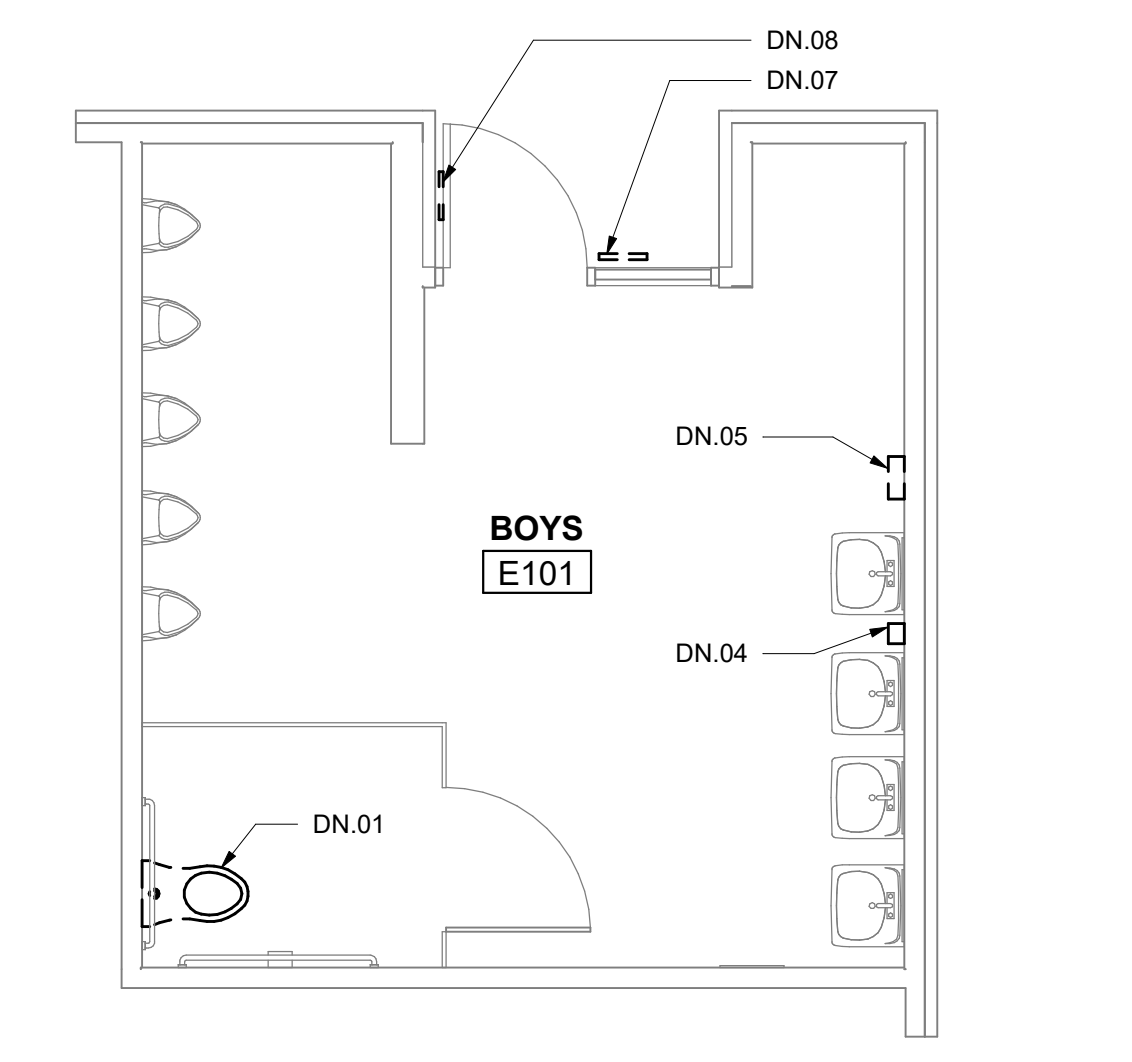
6 STAFF - IMPROVEMENT
1/4" = 1'-0"



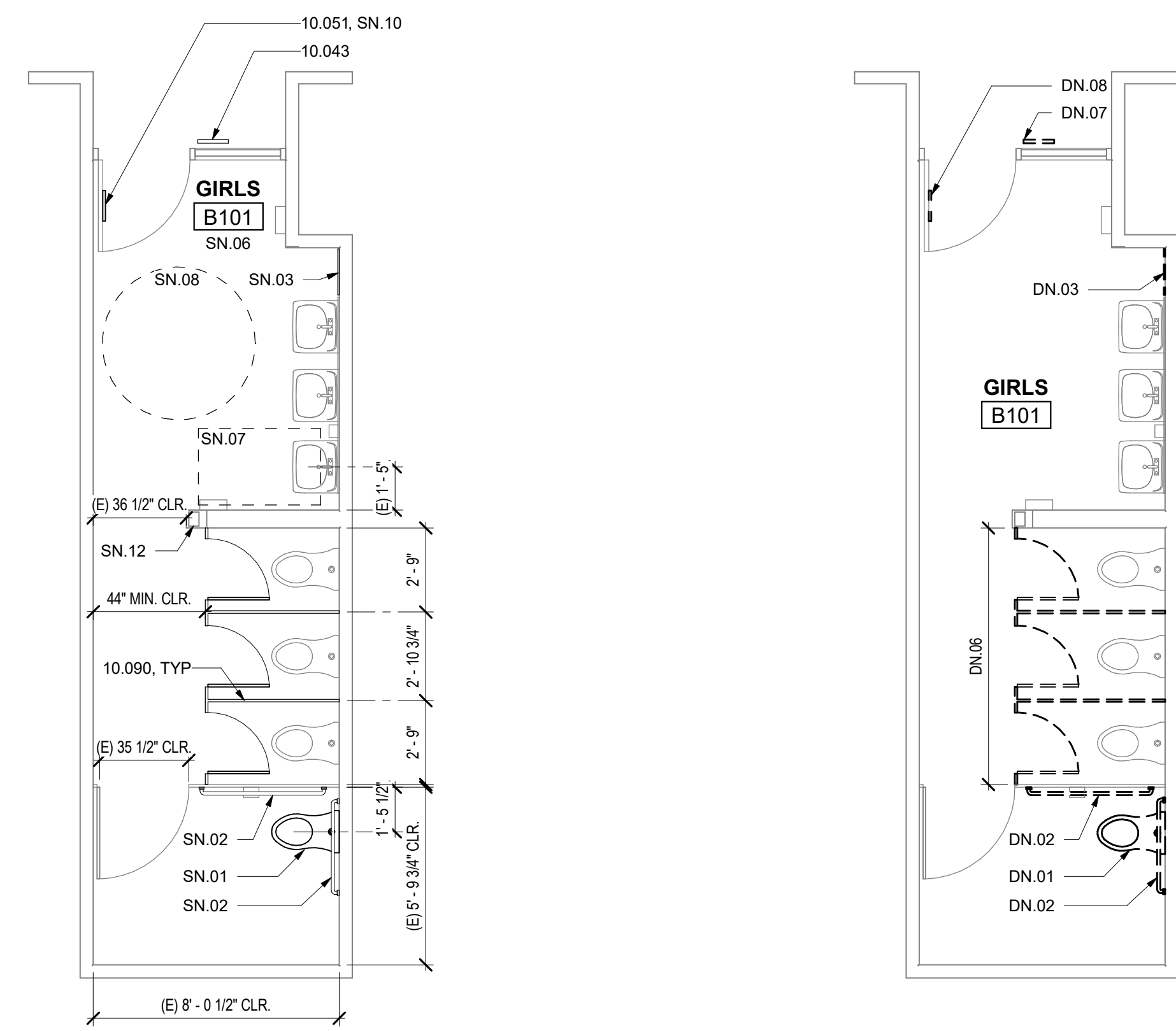
5 STAFF - DEMOLITION
1/4" = 1'-0"



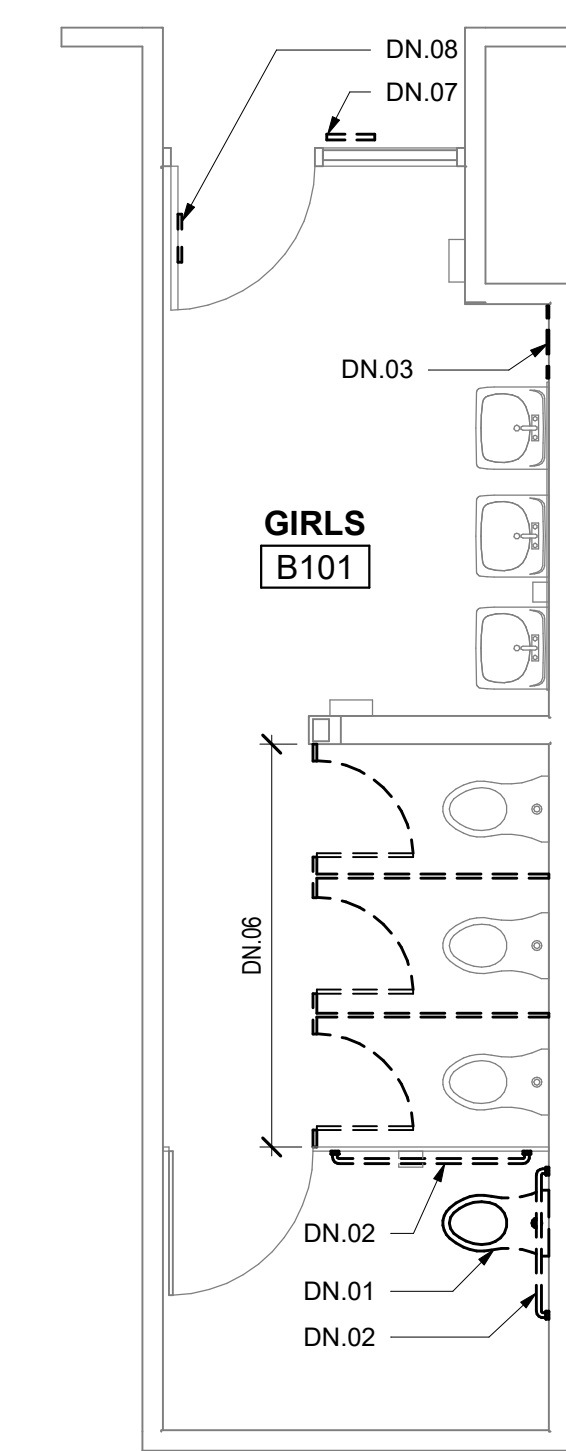
4 BOYS - IMPROVEMENT
1/4" = 1'-0"



3 BOYS - DEMOLITION
1/4" = 1'-0"



2 GIRLS - IMPROVEMENT
1/4" = 1'-0"



1 GIRLS - DEMOLITION
1/4" = 1'-0"

LEGEND

CONSECUTIVE NUMBERING CONVENTION FOR INTERIOR ELEVATIONS AND ROOM FINISHES.

GENERAL NOTES

- FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBILITY, REFER TO SHEET A0.2
- PROTECT ALL ADJACENT SURFACES, ITEMS AND FINISHES NOT NOTED TO BE DEMOLISHED.
- EQUIPMENT/FIXTURES NOTED AS "SALVAGED FOR REINSTALLATION" WILL BE REMOVED AND STORED BY THE CONTRACTOR PRIOR TO START OF DEMOLITION. THESE EQUIPMENT/FIXTURES SHALL BE REINSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT.
- REMOVE ALL ITEMS SCHEDULED TO BE REMOVED, INCLUDING MOUNTING HARDWARE.
- DEMO AND REPAIR WALL FINISH AS NECESSARY TO PERFORM FIXTURE AND EQUIPMENT WORK AS NOTED. ADJACENT FINISHES TO BE VERIFIED BY CONTRACTOR.

DEMOLITION NOTES

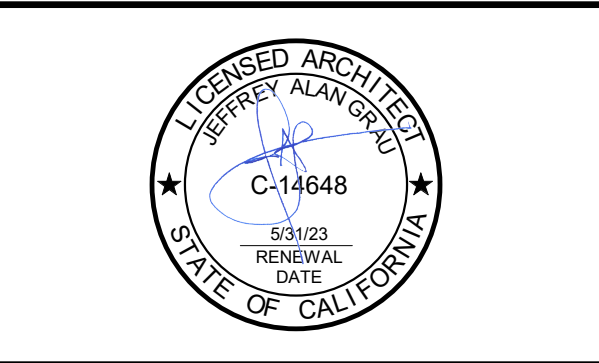
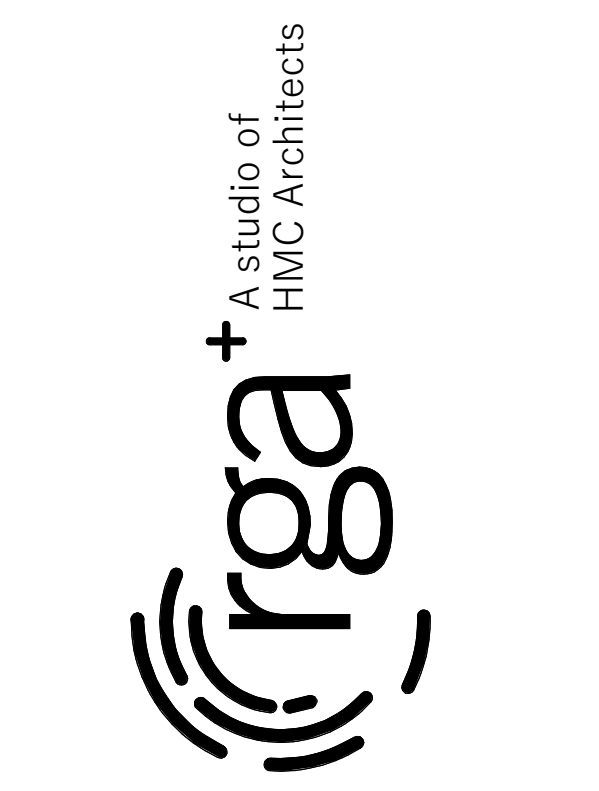
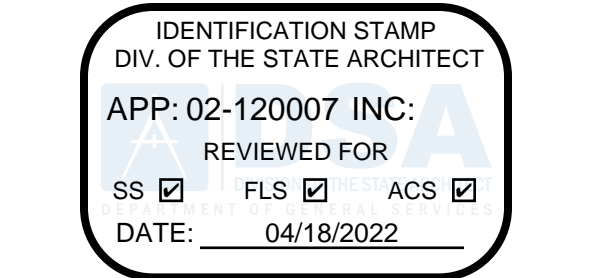
- REMOVE (E) WALL-MOUNTED WATER CLOSET AND SALVAGE FOR REINSTALLATION
- REMOVE (E) GRAB BARS AND SALVAGE FOR REINSTALLATION
- REMOVE (E) MIRROR AND SALVAGE FOR REINSTALLATION
- REMOVE (E) SOAP DISPENSER AND SALVAGE FOR REINSTALLATION
- REMOVE (E) PAPER TOWEL DISPENSER AND SALVAGE FOR REINSTALLATION
- REMOVE (E) TOILET PARTITION AND TOILET PARTITION DOOR
- REMOVE (E) TOILET ROOM I.D. SIGN
- REMOVE (E) TOILET ROOM DOOR SYMBOL

SHEET NOTES

- REINSTALL (E) SALVAGED WALL-MOUNTED WATER CLOSET TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO WATER CLOSET. RECONNECT TO (E) WATER LINE, WASTE LINE AND VENT.
- REINSTALL (E) SALVAGED GRAB BARS TO COMPLY WITH A0.2
- REINSTALL (E) SALVAGED MIRROR TO COMPLY WITH A0.2
- REINSTALL (E) SALVAGED SOAP DISPENSER TO COMPLY WITH A0.2
- REINSTALL (E) SALVAGED PAPER TOWEL DISPENSER TO COMPLY WITH A0.2
- WRAP ALL EXPOSED PIPES WITH INSULATION AT LAVATORIES
- 30" X 48" CLEAR SPACE
- 80" DIA. TURNING CIRCLE
- SIGN TO READ "BOYS"
- SIGN TO READ "GIRLS"
- SIGN TO READ "STAFF"
- (E) STRUCTURAL COLUMN

KEYNOTES

- SIGNAGE: TOILET ROOM IDENTIFICATION
- SIGNAGE: TOILET ROOM DOOR SYMBOL
- COMPOSITE TOILET COMPARTMENT



SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

Revision

TOILET ROOM DEMOLITION AND IMPROVEMENT PLANS AND INTERIOR ELEVATIONS

UNITS A, E & F
PROJECT NO. 1504.10
DATE: 3/22/2022
SHEET **A2.1.1**

ABBREVIATION LIST

A AMPERE
 AC ALTERNATING CURRENT
 A/C AIR CONDITIONING
 AER ARC ENERGY REDUCTION
 AF AMP FRAME
 AFF ABOVE FINISHED FLOOR
 AIC AMPERES INTERRUPTING CAPACITY
 AT AMP TRIP SETTING
 AWG AMERICAN WIRE GAUGE
 BC BARE COPPER
 BD BOARD
 BFC BELOW FINISHED CEILING
 BRKR BREAKER
 BLDG BUILDING
 BPS BOOSTER POWER SUPPLY
 C CONDUIT
 C/B CIRCUIT BREAKER
 CFCI CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
 CIRC CIRCUIT
 CLG CEILING
 CO CONDUIT ONLY, WITH PULL LINE
 CONT CONTINUOUS
 CU COPPER
 CWP METALLIC COLD WATER PIPE
 (D) DEMOLISH
 DC DIRECT CURRENT
 DISC DISCONNECT
 DP DISTRIBUTION PANEL
 (E) EXISTING
 E/W EACH WITH
 EA EACH
 EL EVENING LIGHT
 ELEC ELECTRIC
 EM EMERGENCY
 ENT ELECTRICAL METALLIC TUBING
 EQ END OF LINE DEVICE
 EQUIP EQUIPMENT
 (ER) EXISTING RELOCATED
 EWH ELECTRICAL WATER COOLER
 EWH ELECTRICAL WATER HEATER
 (F) FUTURE
 FAFC FIRE ALARM CONTROL PANEL
 FAEP FIRE ALARM EXTENDER PANEL
 FATC FIRE ALARM TERMINAL CABINET
 FBO FURNISHED BY OTHERS
 FLUOR FLUORESCENT
 FT FOOT
 GA GAUGE
 GFCI GROUND FAULT CIRCUIT INTERRUPT
 GLZ GENERAL LIGHTING ZONE
 GND GROUND
 GP GYP-SUM GAS PIPE
 GYP GYP-SUM
 HID HIGH INTENSITY DISCHARGE
 HT HORSE POWER
 HT HEIGHT
 HERTZ
 IMC INTERMEDIATE METALLIC CONDUIT
 IN INCH
 ISC SHORT CIRCUIT CURRENT
 (RMS SYMMETRICAL)
 ISO ISOLATED
 J-BOX JUNCTION BOX
 KCMIL THOUSAND CIRCULAR MILLS
 KVA KILO VOLT AMP
 KW KILOWATT
 LC LIGHTING CONTROL PANEL
 LV LOW VOLTAGE
 MCM THOUSAND CIRCULAR MILLS
 MECH MECHANICAL
 MDP MAIN DISTRIBUTION PANEL
 MH METAL HALIDE
 MISC MISCELLANEOUS
 MLO MAIN LUGS ONLY
 MPEE MAIN POINT OF ENTRY
 MSB MAIN SWITCHBOARD
 (N) NEW
 NIC NOT IN CONTRACT
 NIES NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS.
 NL NIGHT LIGHT
 NO # NUMBER
 NTS NOT TO SCALE
 ON CENTER
 OC, OFCI OWNER FURNISHED, CONTRTRACTOR INSTALLED
 OFOI OWNER FURNISHED, OWNER INSTALLED
 P POLE
 PB PULL BOX
 PFB PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE
 PDZ PRIMARY DAYLIT ZONE
 PFCT PROVISION FOR FUTURE CURRENT TRANSFORMER
 PH, Ø PHASE
 PLYWD PLYWOOD
 PNL PANEL
 PR PAIR
 PVC POLYVINYL CHLORIDE CONDUIT
 (R) RELOCATE / RELOCATED
 REQ'D REQUIRED
 RM ROOM
 RMC RIGID METAL CONDUIT
 (RR) REMOVE AND REPLACE
 SDZ SECONDARY DAYLIT ZONE
 SKZ SKYLIGHT DAYLIT ZONE
 SPEC SPECIFICATION
 STC SIGNAL TERMINAL CABINET
 SQ SQUARE
 SW SWITCH
 TEL TELEPHONE
 TGB TELECOMMUNICATIONS GROUNDING BUSBAR
 TMB TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
 TTB TELEPHONE TERMINAL BOARD
 TYP TYPICAL
 UC UNDERGROUND
 UNLESS OTHERWISE NOTED
 V VOLTS
 WP WEATHERPROOF
 W WEIGHT
 W WATT
 W/ WITH
 XFRM TRANSFORMER
 & AND

GENERAL NOTES

- PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- ALL WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER AS PRESCRIBED BY THE SCHOOL'S REPRESENTATIVE.
- PROTECT EXISTING EQUIPMENT AND FURNISHINGS FROM ANY DAMAGE DUE TO DUST, MOISTURE OR CONTACT WITH WORK CREW OR MATERIALS.
- THE SCHOOL SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY POWER SHUTDOWN OF EXISTING PANELS OR SERVICE. SCHEDULE OF SHUTDOWNS SHALL BE AT CONVENIENCE OF THE SCHOOL. THE SCHOOL MAY, AT THEIR OPTION, HAVE A REPRESENTATIVE PRESENT DURING SHUTDOWN. ALL WORK REQUIRING SHUTDOWNS OF EXISTING PANELS OR SERVICE SHALL BE DONE BETWEEN 12:00 AM MIDNIGHT AND 6:00AM WEEKDAYS OR ON SATURDAY AND SUNDAY. REQUIRED SHUTDOWNS SHALL BE KEPT TO A MINIMUM.
- ADEQUATELY STRAP AND SUPPORT ALL CONDUIT WORK PER CEC. IN GENERAL, SUPPORT ALL CONDUIT WITHIN THREE FEET (3') OF OUTLET BOX, CABINET OR PANEL AND MAXIMUM TEN FEET (10') ON CENTER THEREAFTER.
- CORE BORE SHALL BE 1" DIAMETER LARGER THAN EACH CONDUIT. SPACE CONDUIT HOLES 3" APART. SEAL AROUND CONDUIT WITH NON-SHRINK, NON-METALLIC GROUT.
- ALL CONDUCTORS INSTALLED IN PANELBOARDS SHALL BE TRAINED, LACED, AND INSTALLED WITH PHASE TAPE ON ALL CONDUCTORS.
- LABEL DEVICES (I.E. RECEPTACLES, ETC.) ON EACH COVER PLATE IDENTIFYING CIRCUIT AND PANEL DEVICE IS CONNECTED TO.
- CLEAN ALL EXTERIOR AND INTERIOR SURFACES OF PANELS AND ALL MATERIAL AND METAL SHAVINGS FROM PANEL AND CABINET INTERIORS. ALL OPENINGS SHALL BE SEALED AND APPLY TOUCH-UP SPRAY PAINT WHERE NEEDED.
- FIELD COORDINATE DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- CONTRACTOR WILL PROVIDE WARNING LABELS NOTING THE POTENTIAL FOR ELECTRIC ARC FLASH HAZARDS PER CEC 110.16. PROVIDE LABELS ON EQUIPMENT SUCH AS SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, MOTOR CONTROL CENTERS, MOTOR STARTER / CONTACTOR PANELS, DISCONNECTS, ETC.. PROVIDE WARNING LABELS BY BRADY, MODEL NO. 101517, OR EQUAL, ON ALL EQUIPMENT.
- INSTALLATION SHALL COMPLY WITH CEC 210.4 - EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMMON NEUTRAL SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED.
- SUPPORT ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H).
- SEAL CONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. EQUIPMENT IS INSTALLED ON THE EXTERIOR WALL, STUB CONDUITS THROUGH WALL AND SEAL CONDUIT OPENINGS. THEN INSTALL EXTERIOR EQUIPMENT. ALSO, SEAL AROUND THE PERIMETER EDGE OF THE EQUIPMENT ENCLOSURE BETWEEN THE ENCLOSURE AND BUILDING.
- CONDUITS INSTALLED ON ROOF AND BUILDING EXTERIOR SHALL BE RIGID GALV. STEEL (HEAVY WALL) WITH THREADED FITTINGS. CONDUIT AND WALL TO BE PAINTED OUT TO MATCH EXTERIOR FINISH.
- SPLICES AND TERMINALS SHALL BE COMPRESSION TYPE OF SEAMLESS PURE COPPER, TIN PLATED, LONG BARREL (TERMINALS WITH TWO-HOLE PAD AND INSPECTION WINDOW WITH NEMA DRILLING), AS MANUFACTURED BY BURNDY TYPE YS, YAZ-ZN OR EQUAL. CLEAN ALL SURFACES AND INSTALL WITH OXIDE INHIBITING COMPOUND, BURNDY PENETROX-E OR EQUAL. APPLY COMPOUND BETWEEN BUS AND LUG PAD AND BETWEEN CONDUCTOR AND LUG BARREL. INSTALL COMPRESSION CONNECTORS WITH 360° CIRCUMFERENTIAL COMPRESSION DYE, BURNDY HYPRESS OR EQUAL. THE INDENTER OR OTHER TYPE TOOLS WILL NOT BE ACCEPTABLE.
- INSTALL "MECHANICALLY FASTENED PHENOLIC NAMEPLATE WITH WHITE LETTERING ON BLACK BACKGROUND ON ALL EQUIPMENT, INCLUDING PULL BOXES, WITH DESCRIPTION INDICATED ON DRAWINGS. NAMEPLATES SHALL READ EXACTLY AS DESCRIBED ON THE DRAWINGS. IN GENERAL, NAMEPLATE LETTERING SIZE SHALL BE 3/16" HIGH FOR ALL NAMEPLATES SERVING FEEDER AND BRANCH CIRCUIT BREAKERS. ON MAIN SERVICE PANEL, DISTRIBUTION PANELS AND ALL OTHER NAMEPLATES, LETTERING SHALL BE 1/4" HIGH.
 17.1. ALL SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, VFD'S, MOTORS, JUNCTION BOXES, PULL BOXES, DISCONNECT SWITCHES, ETC., SHALL BE MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES PER CEC 408.4, FIELD IDENTIFICATION REQUIRED. (B) SOURCE OF SUPPLY.
- COORDINATE EQUIPMENT LOCATIONS, CONTROL AND POWER WIRING REQUIREMENTS AND CONNECT POINTS WITH ALL APPLICABLE DISCIPLINES.
- PROVIDE AND INSTALL FUSES PER UNIT NAMEPLATE DATA ON THE EQUIPMENT PROVIDED.
- A LAMINATED COPY OF THE FINAL RECORD ONE LINE DIAGRAM SHALL BE PLACED IN ELEC ROOM.
- PROVIDE WRING DEVICES AND COVER PLATES IN COLOR(S) SELECTED BY ARCHITECT. THE COLOR OF THE WRING DEVICE AND COVER PLATE SHALL BE THE SAME UNLESS SPECIFICALLY NOTED OTHERWISE.
- RECEPTACLE WEATHERPROOF COVERS SHALL BE LISTED "EXTRA DUTY", LOCKABLE, METAL, IN-USE TYPE.
- REINSTALL EXISTING ELECTRICAL INSTALLATIONS DISTURBED. CERTAIN EXISTING ELECTRICAL INSTALLATIONS MAY BE LOCATED IN WALLS, CEILINGS OR FLOORS THAT ARE TO BE REMOVED AND ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS. WHERE THIS CONDITIONS OCCURS, PROVIDE A NEW EXTENSION OF ORIGINAL CIRCUITS, RACEWAYS, EQUIPMENT AND OUTLETS TO RETAIN SERVICE CONTINUITY. INSTALLATIONS SHALL BE CONCEALED IN FINISHED AREAS.
- FOR ROOF PENETRATIONS, REFER TO ARCHITECTURAL PLANS FOR INSTALLATION REQUIREMENTS.
- FOR WALL PENETRATION INSTALLATIONS, REFER TO ARCHITECTURAL PLANS FOR REQUIREMENTS.
- PROVIDE "LOOK-ON" DEVICE FOR ALL CIRCUIT BREAKERS ON EMERGENCY DEDICATED CIRCUITS.
- DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. CONTRACTOR SHALL ACCEPT RESPONSIBILITY IN FAMILIARIZING THEMSELVES WITH ARCHITECTURAL AND STRUCTURAL CONDITIONS ALONG WITH INHERENT SPACE LIMITATIONS. WITH THAT UNDERSTANDING SHALL PROVIDE ALL ITEMS OF LABOR, MATERIALS AND TOOLS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
- MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN ANY CONDUIT AND (E) UTILITY CONDUIT.
- FOR INTERSECTING TRENCHED CONDUIT, MAINTAIN OR EXCEED THE MINIMUM CONDUIT DEPTH REQUIREMENTS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED AND BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

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

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

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

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

SYMBOLS LIST

- FUSED DISCONNECT SWITCH
- DUPLEX CONVENIENCE OUTLET
- DOUBLE DUPLEX CONVENIENCE OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET
- GROUND FAULT CIRCUIT INTERRUPTER DOUBLE DUPLEX OUTLET
- SPECIAL OUTLET TO MATCH CAP PROVIDED WITH MACHINE
- FLUSH FLOOR BOX OR "POKE-THRU" UNIT EQUIPPED WITH FLUSH OR PEDESTAL DUPLEX RECEPTACLE AND VOICE/DATA OUTLETS AS NOTED, OR REFER TO SCHEDULE ON DRAWINGS.
- PLUGMOLD/WIREMOLD RECEPTACLE SYSTEM
- TRANSFORMER
- JUNCTION BOX, SIZE AS REQUIRED BY CODE
- FLEX CONNECTION TO FIXTURE
- PANELBOARD, RECESSED MOUNTED
- PANELBOARD, SURFACE MOUNTED
- MAIN SWITCHBOARD
- TERMINAL CABINET, RECESSED MOUNTED
- TERMINAL CABINET, SURFACE MOUNTED
- HOMERUN TO PANELBOARD OR RESPECTIVE TERMINAL
- CONDUIT RUN CONCEALED IN CEILING OR WALL, SEE SYMBOLS LIST NOTES
- CONDUIT RUN UNDERGROUND OR UNDER FLOOR
- EM- EMERGENCY SYSTEM CONDUIT AND WIRES
- INSULATED GREEN GROUND CONDUCTOR
- INSULATED ISOLATED GROUND CONDUCTOR, GREEN WITH TRACER STRIPE
- CONDUIT RISER
- EXISTING EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN LIGHT. NEW OR RELOCATED EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHOWN DARK.
- EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED
- WIREMOLD SURFACE RACEWAY(S) WITH OUTLETS AS SHOWN OR NOTED, SEE SURFACE RACEWAY SCHEDULE.
- SYMBOLS REFERRING TO KEYED NOTES ON SAME SHEET
- MECHANICAL EQUIPMENT BY OTHERS, CONNECTED BY ELECTRICAL CONTRACTOR
- DETAIL DESIGNATION, "A-1" SIGNIFIES DETAIL, "E-1" SIGNIFIES SHEET NUMBER
- (1)1-1/2" ← INDICATES SIZE OF CONDUIT = ONE AND ONE HALF INCH CONDUIT
↑ NUMBER WITHIN PARENTHESIS INDICATES QUANTITY OF CONDUITS

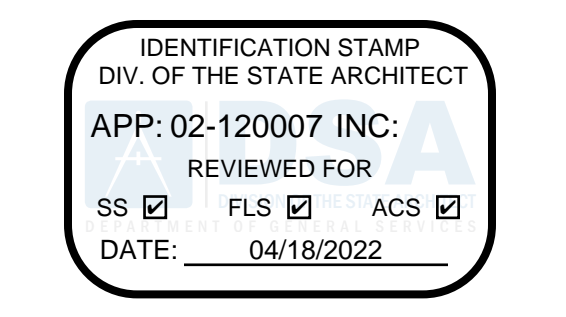
SYMBOLS LIST NOTES:

- MOUNT SWITCH BOXES AT +48" TO TOP OF BOX UNLESS OTHERWISE NOTED.
- MOUNT OUTLET BOXES AT +15" TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- "A" ADJACENT TO OUTLET INDICATES OUTLET BOX TO BE MOUNTED ABOVE COUNTER, COORDINATE WITH COUNTER HEIGHT AND DEPTH PRIOR TO ROUGH IN. MOUNT OUTLET ABOVE COUNTERS AT:
 - +48" MAX TO TOP OF BOX WHERE BOX IS INSTALLED OVER BASE CABINET.
 - +44" MAX TO TOP OF BOX WITH OPEN COUNTERS WITH FORWARD APPROACH.
- OUTLET BOXES SHALL BE:
 - WALL MOUNTED - 4" SQ. x 2-1/8" DEEP MINIMUM
 - CEILING MOUNTED - 4" SQ. OR 4" OCT. x 2-1/8" DEEP MINIMUM
- OUTLET BOXES REQUIRING 1-1/4", 1-1/2" OR 2" CONDUITS SHALL BE 4-11/16" x 3-1/4" DEEP MINIMUM.
- FLUSH MOUNTED OUTLET BOXES SHALL UTILIZE TRIM RINGS. COORDINATE TRIM RING DEPTH WITH WALL FINISH PRIOR TO ROUGH-IN.
- NO CROSSBARS ON CONDUIT RUN INDICATES MINIMUM 1" CONDUIT. TWO #10 CU CONDUCTORS PLUS #10 CU GND. CROSSBARS INDICATE NUMBER OF #10 CU CONDUCTORS IN CONDUIT. CONDUCTOR SIZES OTHER THAN #10 NOTED ON DRAWINGS. INCREASE CONDUIT SIZE AS REQUIRED TO ACCOMMODATE C.E.C. WIRE FILL REQUIREMENTS. INCLUDE ADDITIONAL BOND WIRE IN ALL PVC AND FLEXIBLE CONDUIT. LONG CROSSBAR INDICATES NEUTRAL CONDUCTOR, SHORT CROSSBARS INDICATE PHASE CONDUCTORS.
- INCREASE BRANCH CIRCUIT CU CONDUCTOR SIZES AS REQUIRED BY THE 120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART BELOW. USE CONDUCTOR LENGTHS AS FIELD MEASURED, BASED UPON MEASURED FIELD ROUTING LENGTHS. INCREASE MINIMUM CONDUIT SIZE AS REQUIRED TO ACCOMMODATE A MAXIMUM 40% CONDUCTOR FILL OF THE BRANCH CIRCUIT CONDUCTORS. WHERE NECESSARY, PROVIDE A JUNCTION BOX AT ACCESSIBLE CEILING SPACE TO CONVERT THE LAST 15 FEET OF CONDUCTORS TO #10 AWG TO ACCOMMODATE TERMINATION OF CONDUCTORS AT WIRING DEVICES, LIGHTING FIXTURES, CIRCUIT BREAKER, ETC.
- INSTALL CU GROUND CONDUCTOR IN ALL BRANCH CIRCUITS FOR LIGHT FIXTURES AND POWER DEVICES.

120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART

LOAD IN VOLT AMPERES	LENGTH OF CONDUCTOR WIRE SIZE IN (GAUGE)			
	#12	#10	#8	#6
1200VA	74	121	183	284
1560VA	57	93	141	218
1800VA	49	81	122	189
1920VA	46	76	115	178
2340VA	X	62	94	146
2880VA	X	51	76	118
3000VA	X	48	73	114
3900VA	X	X	56	87
4800VA	X	X	46	71

- NOTES
- THIS CHART IS FOR COPPER CONDUCTORS ONLY.
 - THIS CHART ASSUMES AN 80% POWER FACTOR AND STEEL RACEWAYS.
 - 2019 CALIFORNIA ENERGY CODE, 130.5(c) ALLOWS A MAXIMUM COMBINED VOLTAGE DROP OF 5%. THIS CHART ASSUMES A MAXIMUM DROP OF 3% FOR FEEDERS. THIS CHART PROVIDES THE MAXIMUM LENGTH OF CONDUCTORS FOR LESS THAN 2% VOLTAGE DROP ON A BRANCH CIRCUIT AT GIVEN VA LOAD.
 - USE WIRE SIZE FROM THIS CHART UNLESS LARGER CONDUCTOR SIZES ARE NOTED ON THE DRAWINGS.
 - FOR VA VALUES NOT SHOWN USE NEXT HIGHEST VALUE FROM THE CHART



PLOT DATE: 4/13/2022

SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

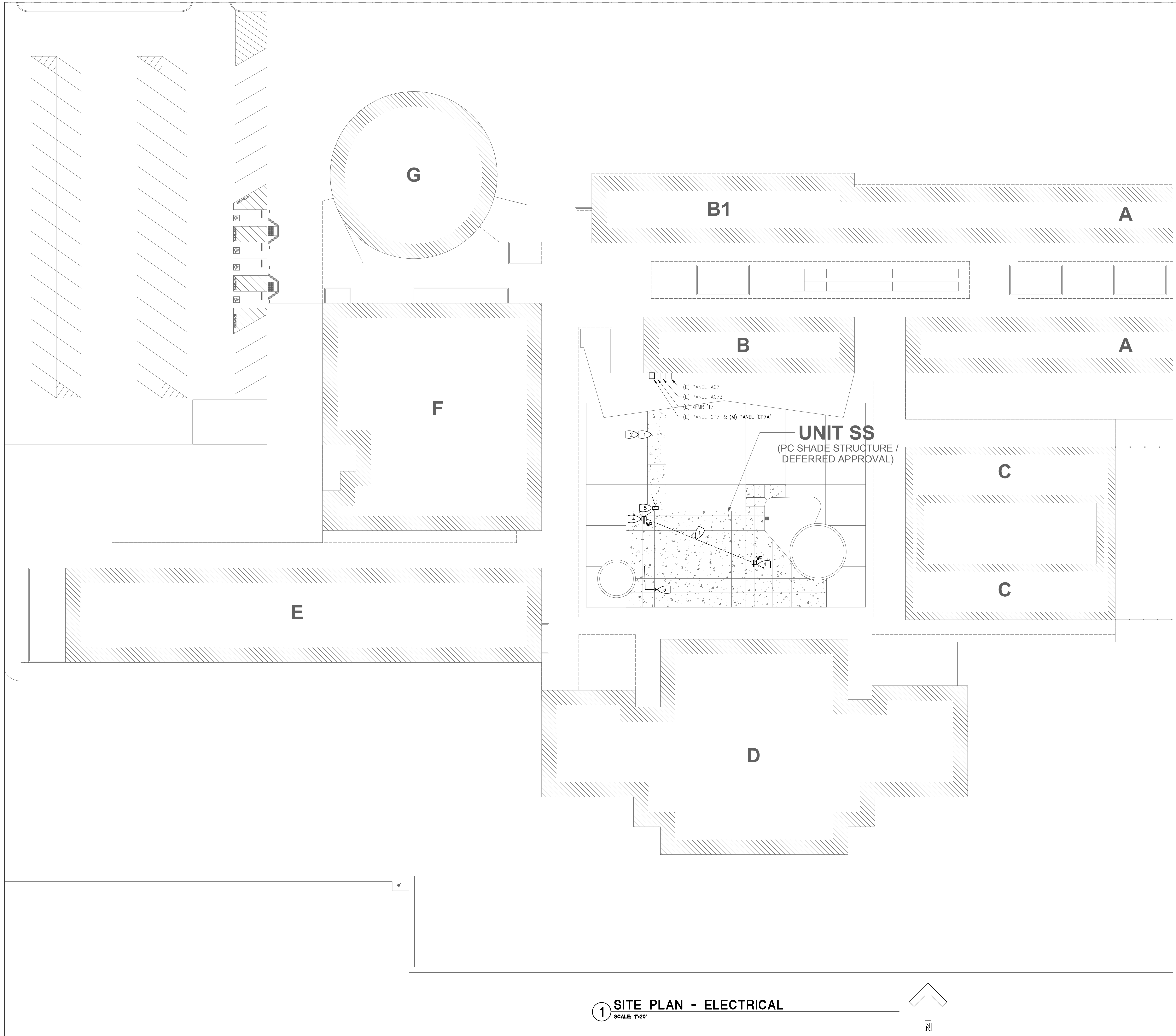
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SYMBOLS, NOTES

PROJECT NO. 1504.10
 DATE: 3/21/2022
 SHEET

E0.1



SHEET NOTES:

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.
2. SEE ONE LINE DIAGRAM AND PANEL SCHEDULE ON SHEET **E2.1** FOR REFERENCE.

KEYED NOTES:

- 1 PROVIDE TRENCH FOR 24 INCH MINIMUM COVER. LOCATE AND PROTECT (E) UTILITIES, I.E. IRRIGATION, SEWER, DRAINAGE PIPES, ETC. SAW CUT AND PATCH BACK (E) CONCRETE. PROVIDE SAND TO COVER CONDUIT TO SIX(6) INCHES, THEN ADD TRACER TAPE. COMPLETE BACKFILL TO GRADE WITH NATIVE SOIL. COMPACT IN SIX(6) LIFTS. FINISH TO MATCH EXISTING. SEE DETAIL **3/E3.1**.
- 2 PROVIDE TYPE LL CONDUIT BODY FROM SIDE OF PANEL ENCLOSURE AND DROP CONDUIT TO BELOW GRADE. TRENCH TO SHADE LOCATION, INTERCEPTING THE CHRISTY BOX ALONG THE WAY. PAINT EXPOSED CONDUIT TO MATCH (E) FINISH.
- 3 PROVIDE AT MINIMUM TWO(2) GROUND RODS, EACH 5/8" BY TEN(10) FEET LONG, CU, AT LEAST TEN(10) FEET APART. BOND TO METAL OF SHADE STRUCTURE. SEE DETAIL **5/E3.1**.
- 4 LOCKABLE, WEATHERPROOF RECEPTACLE TO HAVE A TWO-GANG BACK BOX WITH 1" THREADED PORT(S). MOUNT RECEPTACLES 36" ABOVE GRADE UNLESS SPECIFIED OTHERWISE. SEE DETAIL **4/E3.1**.
- 5 PROVIDE CHRISTY B1324 PULL BOX WITHIN FIVE(5) FT OF SHADE STRUCTURE. CHRISTY BOX TO HAVE HOLD DOWN BOLTS AND BE LABELED FOR POWER. SEE DETAIL **2/E3.1**.

(E) PANEL 'AC7'
 (E) PANEL 'AC7B'
 (E) XPMR '17'
 (E) PANEL 'CP7' & (M) PANEL 'CP7A'

UNIT SS
 (PC SHADE STRUCTURE /
 DEFERRED APPROVAL)

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120007 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 04/18/2022

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 HMC Architects

P PETERS
 engineering
 2750 College Town Dr. ste.101
 Sacramento, CA 95826
 Tel (916) 447-2841
 www.peterseng.com
 Job no. 22.020
 consulting mechanical and electrical engineers

REGISTERED PROFESSIONAL ENGINEER
 17247
 Exp. 6/30/22
 ELECTRICAL
 STATE OF CALIFORNIA
 PLOT DATE: 4/13/2022

**SHADE STRUCTURE AT ROSA PARKS
 MIDDLE SCHOOL**
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

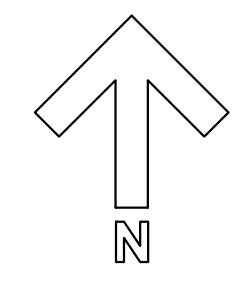
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**SITE PLAN -
 ELECTRICAL**

PROJECT NO. 1504.10
 DATE: 3/21/2022
 SHEET **E1.1**

1 SITE PLAN - ELECTRICAL
 SCALE: 1"=20'



Voltage Drop Calculations Copper											
Job Name: Rosa Parks Elementary School - Shade Structure Job #: 22.020											
Date: 3/10/2022											
VOLTAGE: 120		PHASE: 1		POWER FACTOR: 80%		CONDUIT: Steel					
FEEDER NUMBER	AMPS AT LOAD	KVA TOTAL	VOLTS AT LOAD	DISTANCE FEET	DISTANCE TOTAL	WIRES/PHASE	LOAD/WIRE	WIRE SIZE	WIRE FACTOR	VOLTS DROP	PERCENT VOLT DROP
RECEPT-1	3.0	0.4	119.10	100	100	1	3.00	10	1995	0.60	0.75%
RECEPT-2	1.5	0.2	118.93	58	158	1	1.50	10	1995	0.77	0.89%

MODIFIED												
PANEL: CP7A		MANF: SIEMENS		MAIN: MLO		SERVICE: 120 /208 VOLT		MOUNTING: FREE-		ENCLOSURE: 10K AIC		
TYPE: P1		BUSS: 250 AMP		225 AMP		3 Ø, 4W		WIDTH: STANDING		DEPTH: 100% NEUT.		
AØ	BØ	CØ	DIRECTORY			BRKR	OXT	OXT	BRKR	DIRECTORY		
1200	1200	1200	RECEPT B10	20/1	11	2	20/1	RECEPT B 206	1200	1200	1200	
			RECEPT B11	20/1	3	4	20/1	RECEPT B 206				
			RECEPT B11	20/1	5	6	20/1	RECEPT B 207				
1200	1200	1200	RECEPT B11	20/1	7	8	20/1	RECEPT B 207	1200	1200	1200	
			RECEPT B12	20/1	9	10	20/1	RECEPT B 208				
			RECEPT B12	20/1	11	12	20/1	RECEPT B 208				
360			RECEPTS - SHADE STRUCT. [4]	20/1	13	14	20/1	RECEPT B 209	1200	1200	1200	
			SPARE	20/1	15	16	20/1	RECEPT B 209				
			SPARE	20/1	17	18	20/1	RECEPT B 210				
			SPARE	20/1	19	20	20/1	RECEPT B 210	1200			
			SPARE	20/1	21	22	20/1	SPARE				
			SPARE	20/1	23	24	20/1	SPARE				
			SPARE	20/1	25	26	20/1	SPARE				
			SPARE	20/1	27	28	20/1	SPARE				
			SPARE	20/1	29	30	20/1	SPARE				
			SPARE	20/1	31	32	20/1	SPARE				
			SPARE	20/1	33	34	20/1	SPARE				
			SPARE	20/1	35	36	20/1	SPARE				
			SPARE	20/1	37	38	20/1	SPARE				
			SPARE	20/1	39	40	20/1	SPARE				
			SPARE	20/1	41	42	20/1	SPARE				
NEW LOAD			DEMAND READINGS			PEAK DEMAND @ 125% + (N) LOAD			TOTAL DEMAND LOAD			
AØ =	TOTAL PANEL VA	AMPS	AMPS	@125%	AMPS	VA						
BØ =	7560 VA	63	2.1	2.6	66 A	7875 VA			20940 VA			
CØ =	6000 VA	50	4	5.0	55 A	6600 VA			65.6 AMPS			
	6000 VA	50	3.1	3.9	54 A	6465 VA						

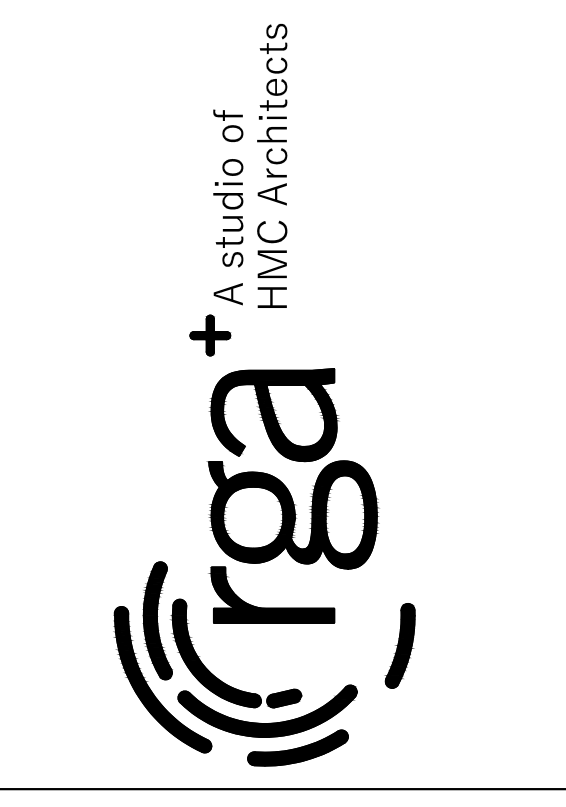
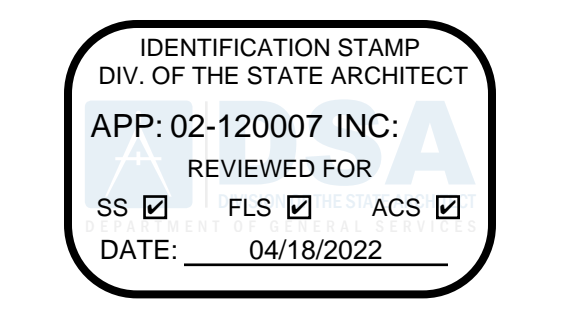
- NOTES:
1. FEEDER CONDUCTORS CONSIST OF #4/0 + 1#2 GND CU
 2. BRANCH BREAKERS ARE SIEMENS TYPE BL
 3. PROVIDE TYPE-WRITTEN PANEL DIRECTORY
 4. USE EXISTING 20 AMP. SINGLE-POLE SPARE BREAKER.

SHEET NOTES:

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.

KEYED NOTES:

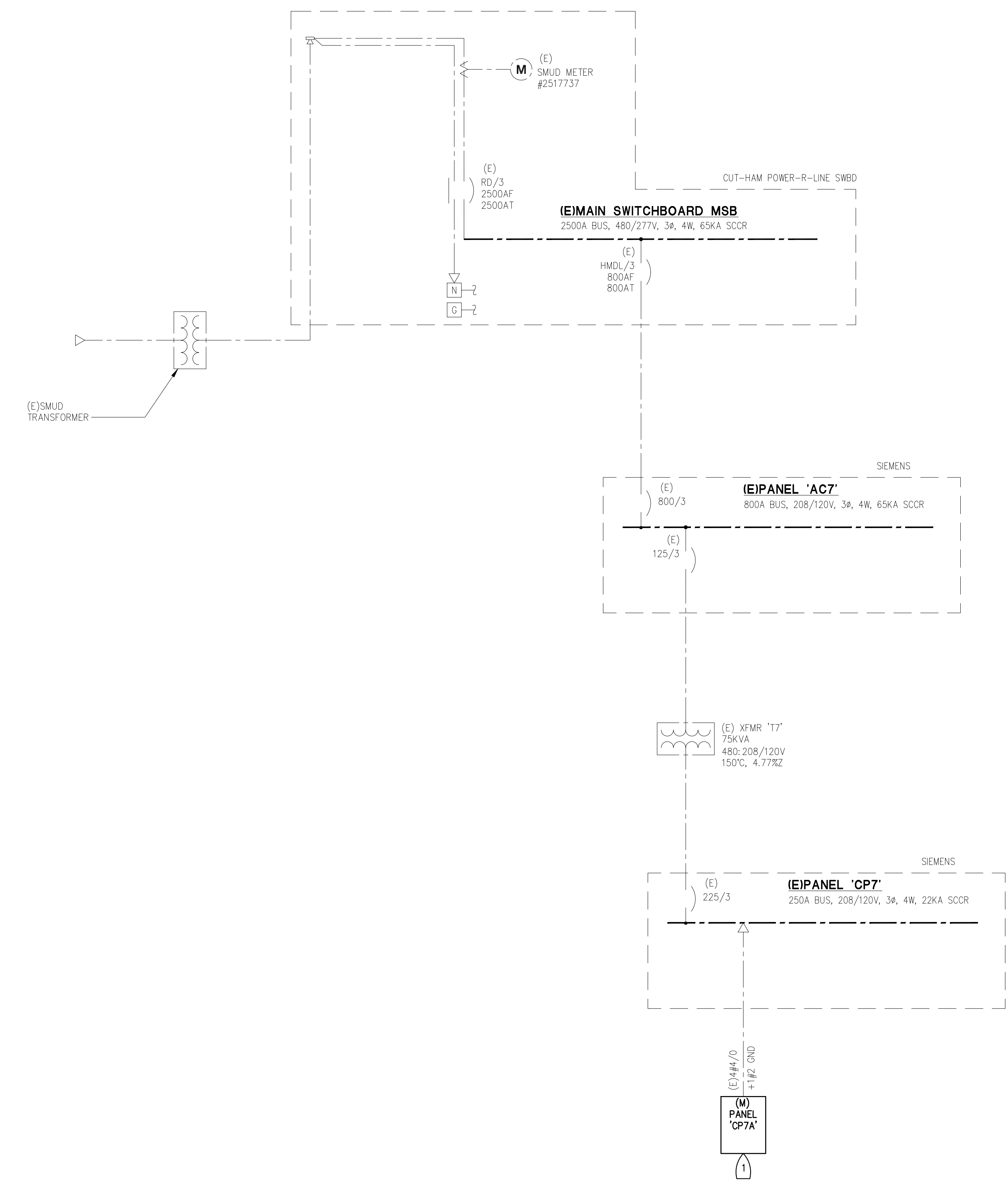
1. MODIFIED PANEL SERVES EQUIPMENT BEING ADDED IN THIS PROJECT. SEE PANEL SCHEDULE ON THIS SHEET FOR REFERENCE.



PETERS engineering
 2750 College Town Dr. ste.101
 Sacramento, CA 95826
 Tel (916) 447-2841
 www.peterseng.com
 Job no. 22.020
 consulting mechanical and electrical engineers



PLOT DATE: 4/13/2022



1 ONE LINE DIAGRAM
 SCALE: NONE

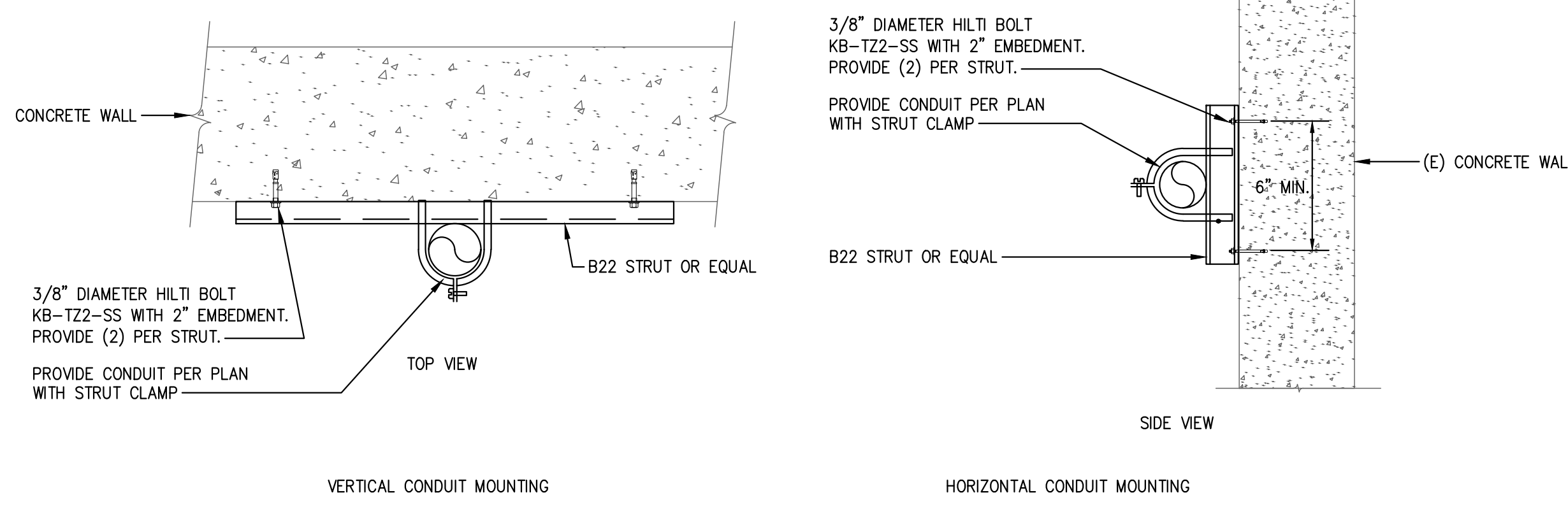
SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

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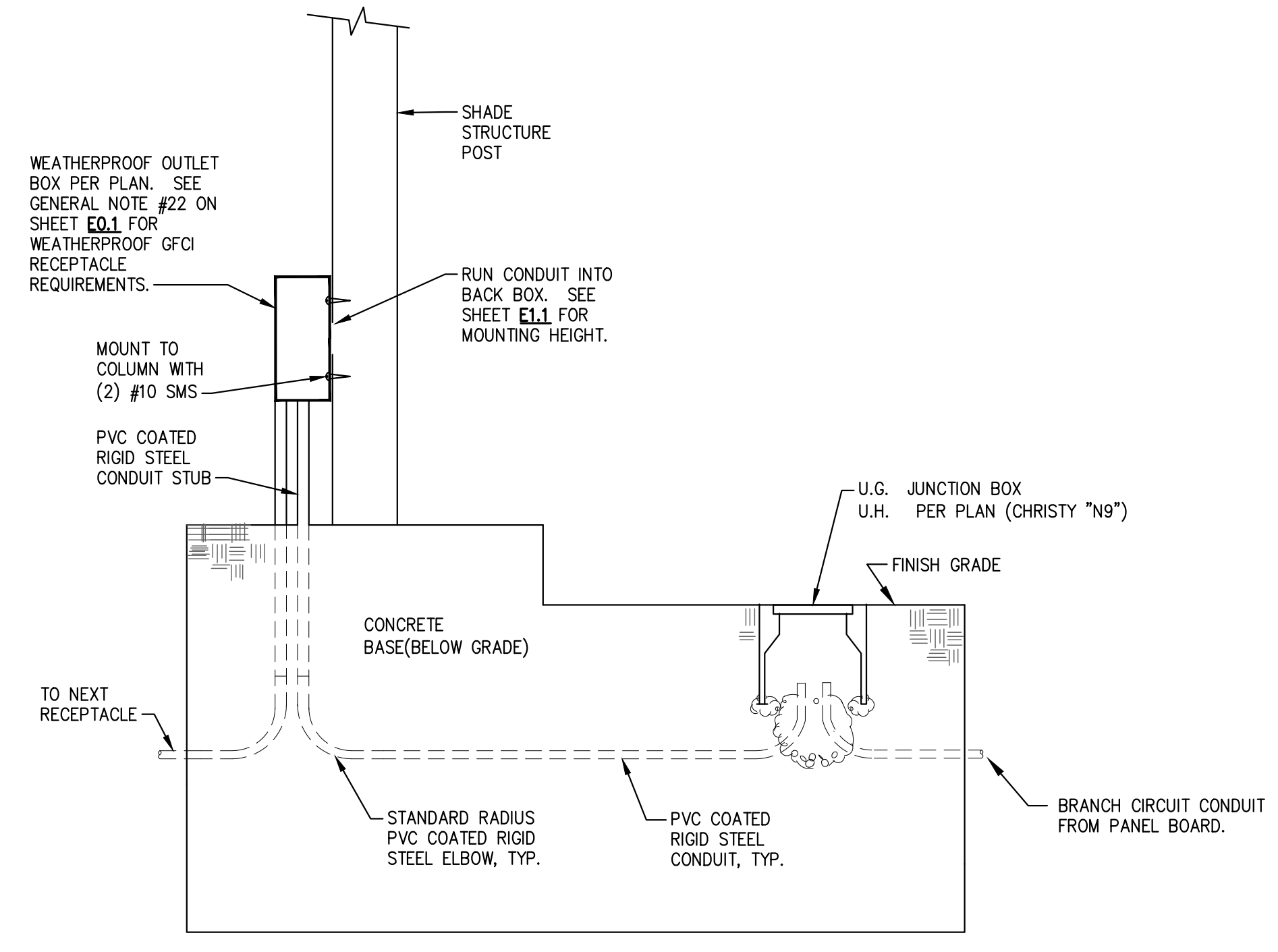
ONE LINE DIAGRAM

PROJECT NO. 1504.10
 DATE: 3/21/2022
 SHEET **E2.1**

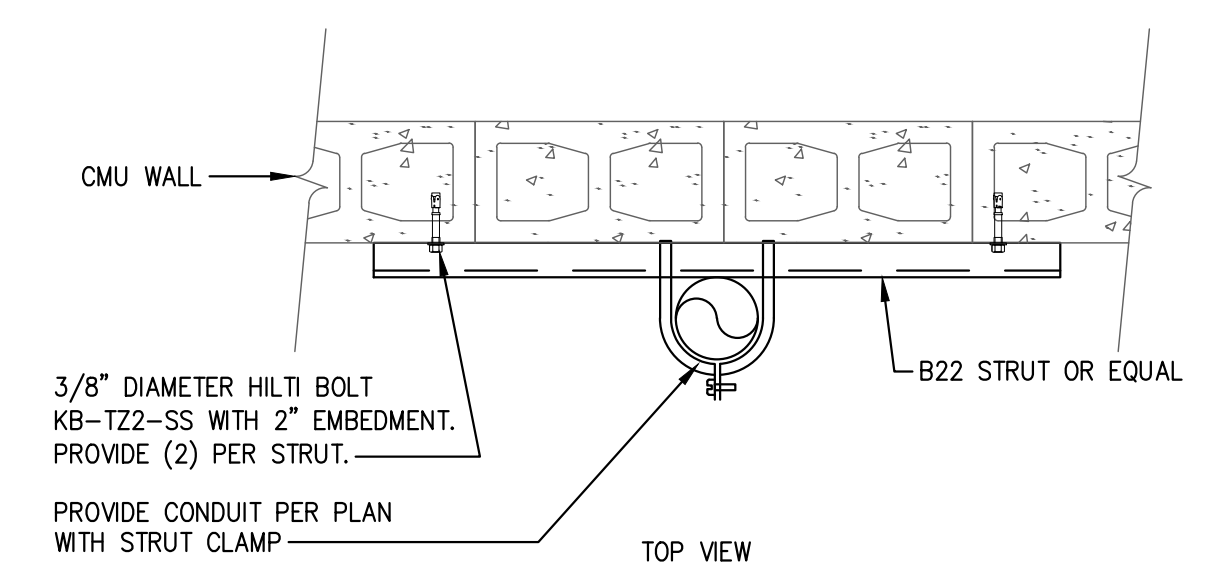


- NOTES:
 1. CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING TEN(10) FEET AND NOT MORE THAN THREE(3) FEET FROM THE OUTLET AND AT ANY POINT WHERE IT CHANGES DIRECTION.
 2. PERFORATED STRAP AND PLUMBER'S TAPE SHALL NOT BE PERMITTED.
 3. MAXIMUM CONDUIT AND CONDUCTOR WEIGHT IS 1.83LBS PER LINEAR FOOT.

7 CONDUIT MOUNTING DETAIL - CONCRETE WALLS
 SCALE: NONE

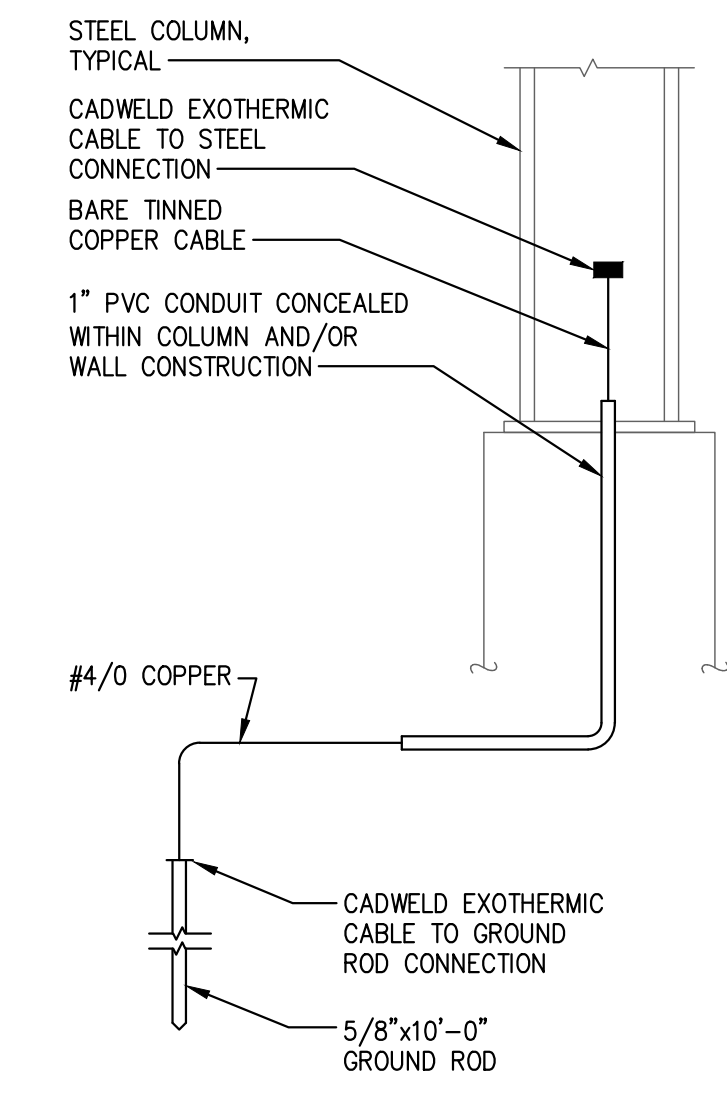


4 CONDUIT STUB IN POST DETAIL
 SCALE: NONE



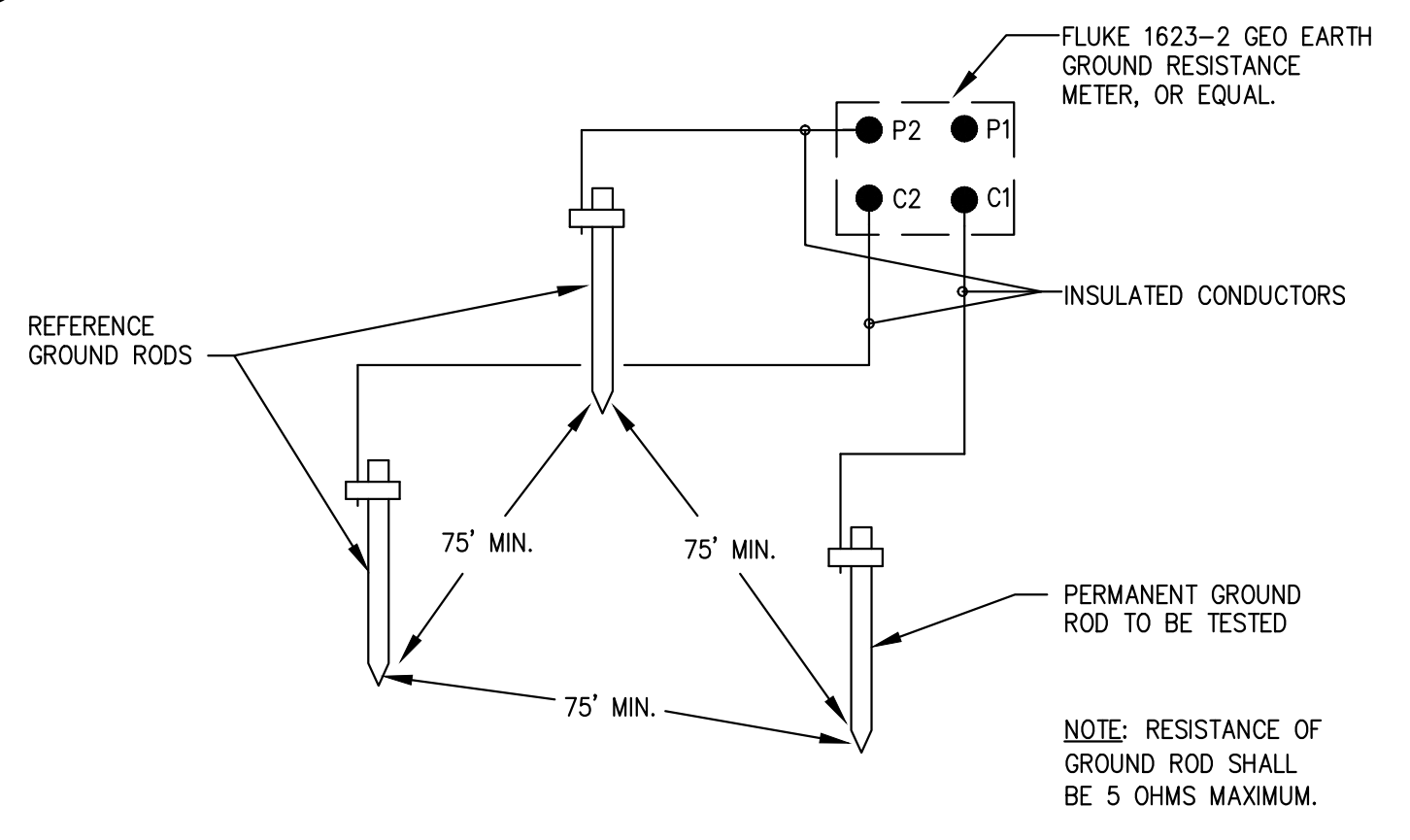
- NOTES:
 1. CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING TEN(10) FEET AND NOT MORE THAN THREE(3) FEET FROM THE OUTLET AND AT ANY POINT WHERE IT CHANGES DIRECTION.
 2. PERFORATED STRAP AND PLUMBER'S TAPE SHALL NOT BE PERMITTED.
 3. MAXIMUM CONDUIT AND CONDUCTOR WEIGHT IS 1.83LBS PER LINEAR FOOT.

8 CONDUIT MOUNTING DETAIL - CMU WALLS
 SCALE: NONE



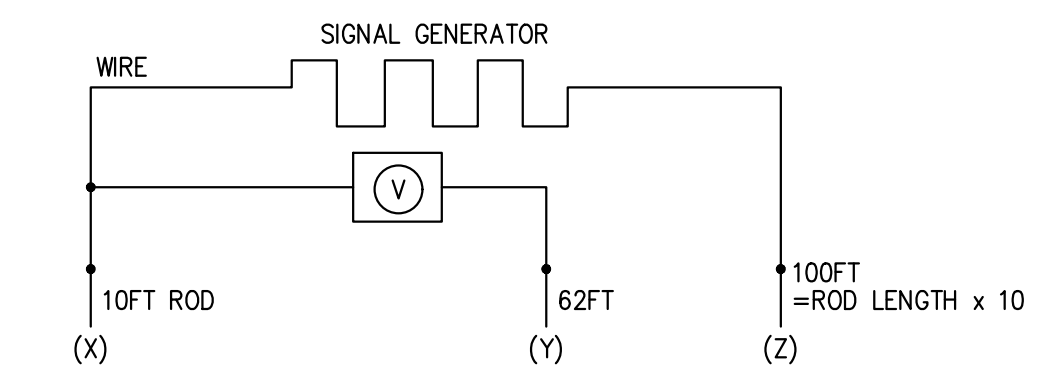
- NOTES:
 1. ALL GROUNDING CONNECTIONS SHALL BE IN CONFORMANCE WITH N.E.C. ARTICLE 250.
 2. FOR ALL ADDITIONAL REQUIREMENTS REFER TO SPEC SECTIONS 26 05 10.

5 TYPICAL STEEL COLUMN & REBAR GROUNDING DETAIL
 SCALE: NONE



- FALL OF POTENTIAL TEST METHOD
 NOTES:
 1. POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500KVA OR LESS: 10 OHMS.
 2. POWER EQUIPMENT OR SYSTEMS WITH CAPACITY OF 500 TO 1000KVA: 5 OHMS.
 3. POWER EQUIPMENT OR SYSTEMS WITH CAPACITY GREATER THAN 1000KVA: 3 OHMS.
 4. POWER DISTRIBUTION UNITS OR PANELBOARDS SERVING ELECTRONIC I.T. EQUIPMENT: 3 OHMS.
 5. MAN-HOLE GROUNDS: 10 OHMS.

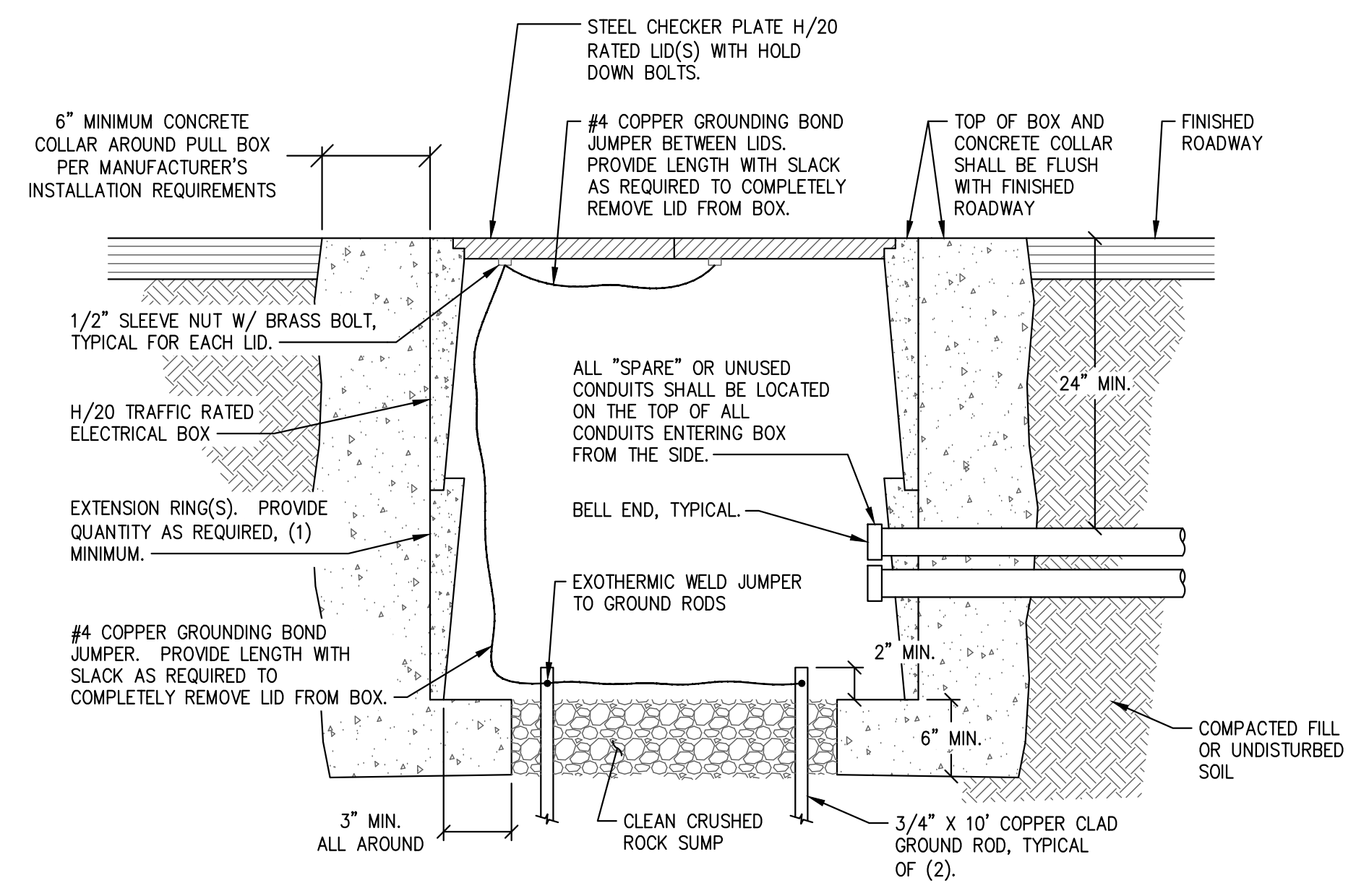
FALL OF POTENTIAL 3-POINT TEST:
 GROUND RING, I.E. 10 BY 10 RING, 14' DIAGONAL LENGTH ISOLATION FROM UTILITY NEUTRAL
 PROBE Z IS DRIVEN A DISTANCE OF 10 TIMES DIAGONAL LENGTH OF THE GROUNDING ROD SYSTEM (ROD X). A SECOND PROBE (Y) IS PLACED IN LINE AT A DISTANCE FROM ROD X EQUAL TO THE DIAGONAL LENGTH OF THE GROUNDING SYSTEM.



AT THIS POINT, A KNOWN CURRENT IS APPLIED ACROSS X & Z, WHILE THE RESULTING VOLTAGE IS MEASURED ACROSS X & Y. OHMS LAW APPLIED R=V/I. THEN (Y) MOVED TO 2 TIMES THE DIAGONAL LENGTH, THEN MOVE OUT TO 3 TIMES(3X), 4X, ... 9X THE DIAGONAL LENGTH TO COMPLETE THE 3 POINT TEST WITH A TOTAL OF NINE RESISTANCE MEASUREMENTS.

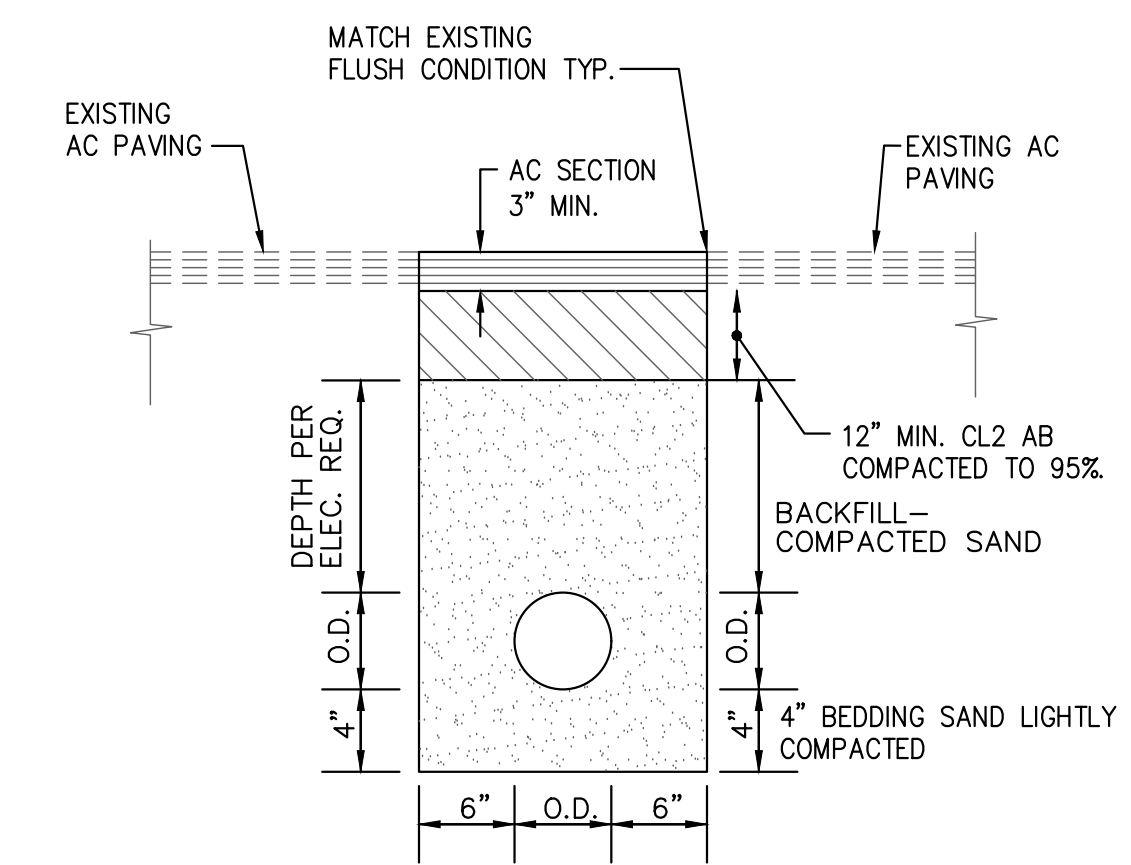
6 METHOD OF TESTING GROUND RODS DETAIL
 SCALE: NONE

1 DETAIL REMOVED
 SCALE: NONE

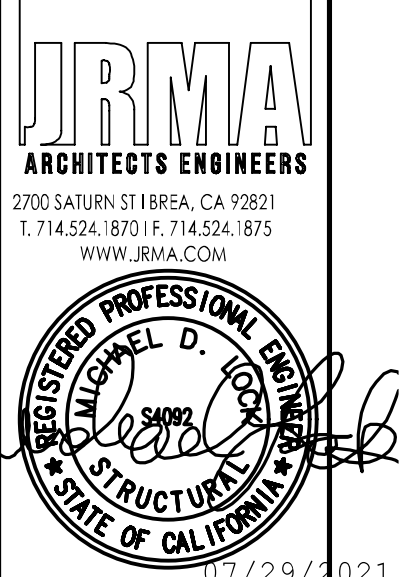
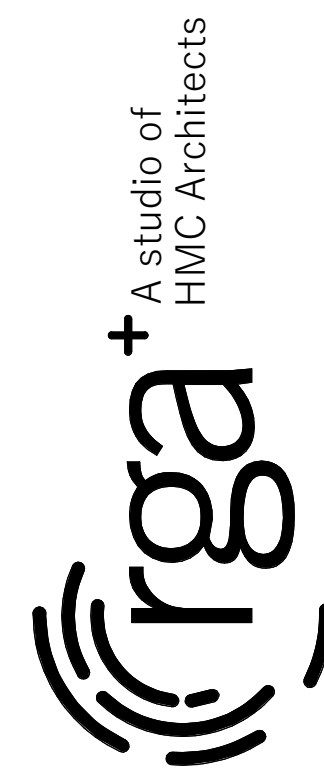


- NOTES:
 1. PROVIDE H/20 TRAFFIC RATED BOXES IN ALL LOCATIONS WITH VEHICLE TRAFFIC
 2. CONTRACTOR SHALL PROVIDE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR H/20 TRAFFIC RATING REQUIREMENTS AS PART OF THE SUBMITTALS.

2 TYPICAL H/20 TRAFFIC RATED PULL BOX
 SCALE: NONE



3 TYPICAL TRENCH DETAIL
 SCALE: NONE



SHADE STRUCTURE AT ROSA PARKS MIDDLE SCHOOL SACRAMENTO CITY UNIFIED SCHOOL DISTRICT SACRAMENTO, CA

DESIGN CRITERIA table with columns for DESCRIPTION and DESIGN VALUES. Includes sections for ROOF LIVE LOAD, WIND DESIGN, SEISMIC DESIGN, and FLOOD DESIGN.

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...

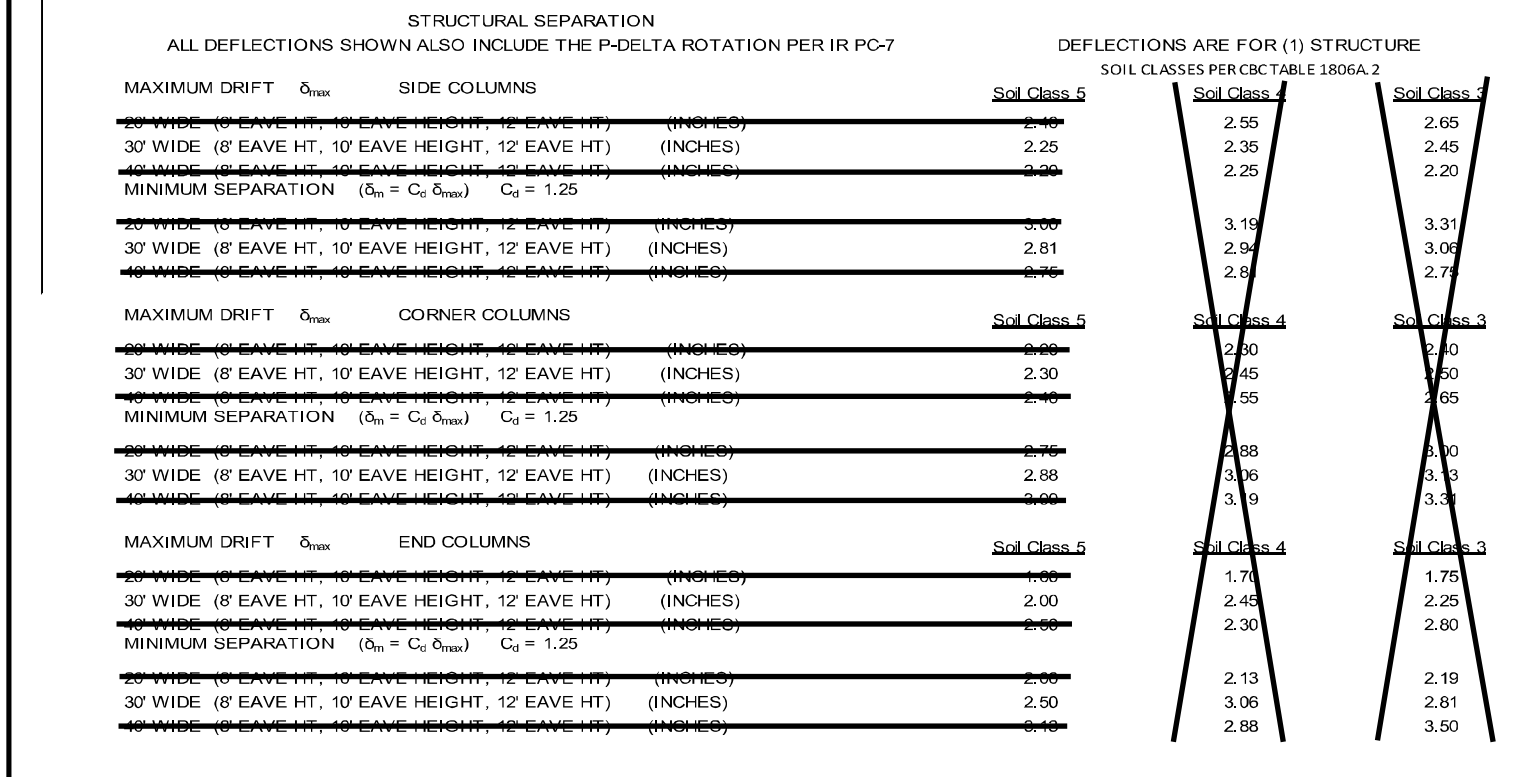
WELDING: 1. ALL WELDING SHALL COMPLY WITH AWS D11 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.

REINFORCING STEEL: 1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A-615, AS FOLLOWS: GR 60: (#4 BARS AND LARGER) GR 40: (#3 BARS)

ICON STD RH/OSA-PC DRAWN BY ANGEL DATE 4/2/2021 REV REV DATE

ABBREVIATIONS table listing various materials and standards such as ACI, AISC, ASTM, AWS, etc.

MIX DESIGN REQUIREMENTS table with columns for STRENGTH (fc), W/C RATIO, W/C RATIO (AIR ENTRAINED), SLUMP, and UNIT WEIGHT.



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

STEP 10: IDENTIFY PROJECT NAME AND SCHOOL DISTRICT. Includes project name (Shade Structure at Rosa Parks Middle School) and school district (Sacramento City Unified School District).

FOUNDATION REQUIREMENTS table with columns for SOIL CLASS 5 (BEARING)-1500 PSF, SOIL CLASS 4 (BEARING)-2000 PSF, and SOIL CLASS 3 (BEARING)-3000 PSF.

ARCHITECTURAL REQUIREMENTS table with columns for DESCRIPTION and DESIGN VALUES. Includes type of construction, occupancy classification, and fire sprinkler system.

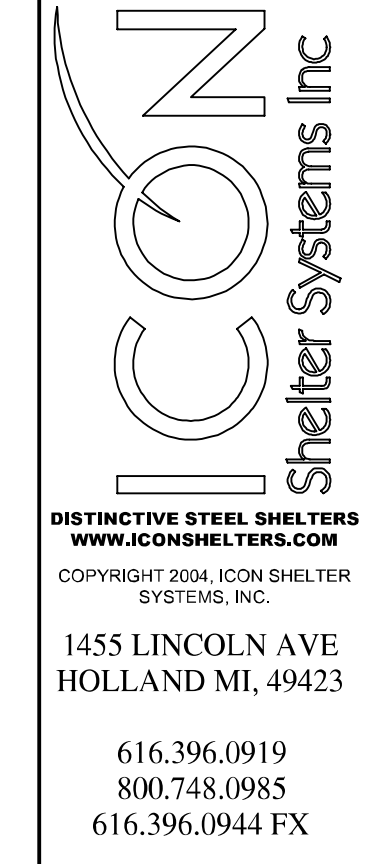
RELATED BUILDING CODES AND STANDARDS TITLE 24 CODES: 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR) 2019 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, AND 2 (PART 2, TITLE 24, CCR)

STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT -GABLE STRUCTURES UP TO 20' WIDE USE THE 'RG 20' BASE FRAME -GABLE STRUCTURES UP TO 30' WIDE USE THE 'RG 30' BASE FRAME -GABLE STRUCTURES UP TO 40' WIDE USE THE 'RG 40' BASE FRAME

CONSTRUCTION NOTES 1. A DSA-CERTIFIED CLASS 3 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.

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 COMPOSED 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 INFO



1455 LINCOLN AVE HOLLAND MI, 49423 616.396.0919 800.748.0985 616.396.0944 FX

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

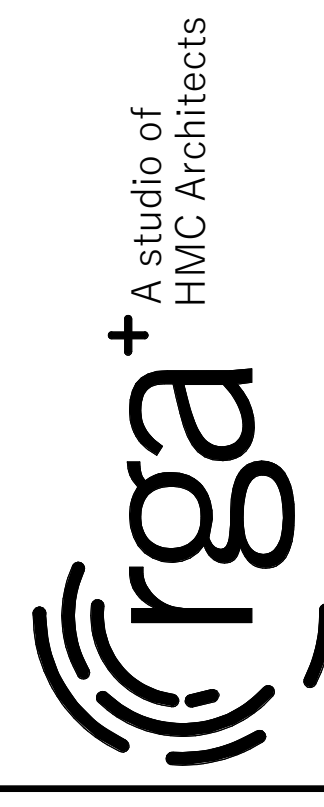
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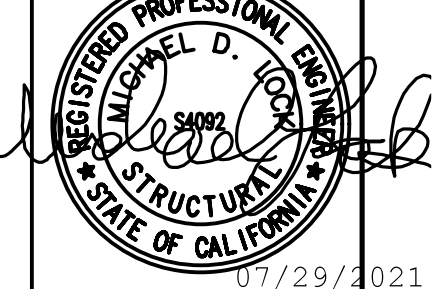
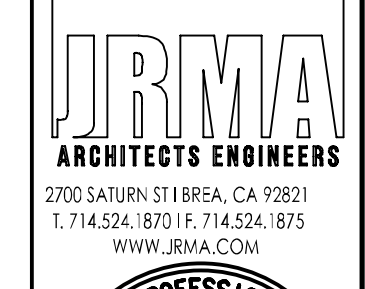
GENERAL INFO

PROJECT NO. 1504.10 DATE: 3/22/2022 SHEET LS1.0

PROJECT NO. 1504.10 DATE: 3/22/2022 SHEET LS1.0



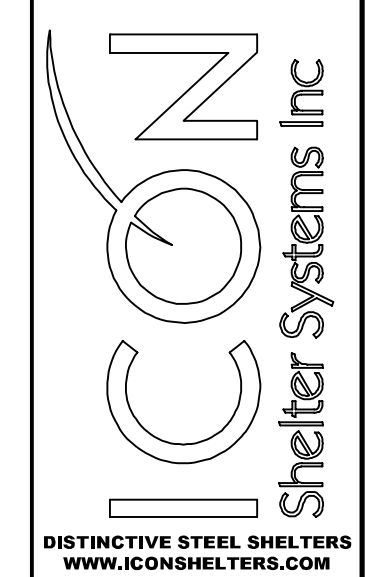
ICON STD	RH/DSA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	



APPROVED
DIR. OF THE STATE ARCHITECT
APP: 04-20019-PC
REVIEWED FOR
SS □ PS □ ACS □ CG □
DATE: 08/06/2021

SHADE STRUCTURE AT ROSA PARKS
MIDDLE SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

DSA 103



1455 LINCOLN AVE
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

LS1.1

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

PRINTED ON :

Revision

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DSA 103

PROJECT NO. 1504.10
DATE: 3/22/2022
SHEET

LS1.1

~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC~~
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~2019 CBC~~
IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendices at the bottom of this form identify work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form, such as structural framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc. per Title 24, Part 2, Chapter 17A (2019 CBC).

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

KEY TO COLUMNS

1. TYPE	PERFORMED BY
Continuous - Indicates that a continuous special inspection is required.	GE - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic - Indicates that a periodic special inspection is required.	LOR - Indicates that the special inspection shall be performed by a testing laboratory approved by the DSA (Laboratory Evaluation and Acceptance (LEA) Program, See CBC Section 4135).
Test - Indicates that a test is required.	PI - Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI - Indicates that the special inspection shall be performed by an appropriately qualified approved special inspector.

DSG 05/10/19 (Revised 07/16/2020)
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 11

~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC~~
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

~~Geotechnical Reports: Projects that a geotechnical report, or CD's indicate soils special inspection is required by GE~~

1. GENERAL	Table 1705A.6
Test or Special Inspection	Type Performed By Code References and Notes
<input type="checkbox"/> a. Verify that: - Soil has been prepared properly prior to placement of controlled fill and/or excavations for foundations. - Foundation excavations are extended to proper depth and have reached proper moisture. - Materials below footings are adequate to achieve the design bearing capacity.	Periodic GE* * By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)

2. SOIL COMPACTION AND FILL	Table 1705A.6
Test or Special Inspection	Type Performed By Code References and Notes
<input type="checkbox"/> a. Perform classification and testing of fill materials.	Test LOR* * Under the supervision of the geotechnical engineer.
<input type="checkbox"/> b. Verify use of proper materials, densities and moisture. If check required, placement and compaction during placement of fill.	Continuous GE* * By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in Appendix for exemptions where soil testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR form DSA 291 shall satisfy the soil test and test reporting requirements for the exempt items.)

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3. RETAINING WALLS	Table 1705A.6.1
Test or Special Inspection	Type Performed By Code References and Notes
<input type="checkbox"/> a. Placement, compaction and inspection of backfill.	Continuous GE* * 1705A.6.1, * By geotechnical engineer or his or her qualified representative. (See Section 1705A.6.1.)
<input type="checkbox"/> b. Placement of soil reinforcement and/or drainage devices.	Continuous GE* * By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> c. Segmental retaining walls, impact placement of walls, blockwork, concrete walls, etc.	Continuous GE* * By geotechnical engineer or his or her qualified representative per DSA IR 17-3.
<input type="checkbox"/> d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.
<input type="checkbox"/> e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.

4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS)	Table 1705A.8
Test or Special Inspection	Type Performed By Code References and Notes
<input type="checkbox"/> a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous GE* * By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)
<input type="checkbox"/> b. Verify pier locations, diameters, plumbness, ball diameters (if applicable), lengths and embedment into bedrock (if applicable), record concrete or grout volumes.	Continuous GE* * By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)
<input type="checkbox"/> c. Confirm adequate end static bearing capacity.	Continuous GE* * By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)
<input type="checkbox"/> d. Concrete piers.	Provide tests and inspections per CONCRETE section below.

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~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC~~
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5. OTHER SOIL	Table 1705A.6.1
Test or Special Inspection	Type Performed By Code References and Notes
<input type="checkbox"/> a. Soil Improvements	Test GE* * Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis per CGS for final acceptance. * By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> b. Inspection of Soil Improvements	Continuous GE* * By geotechnical engineer or his or her qualified representative.
<input type="checkbox"/> c.	

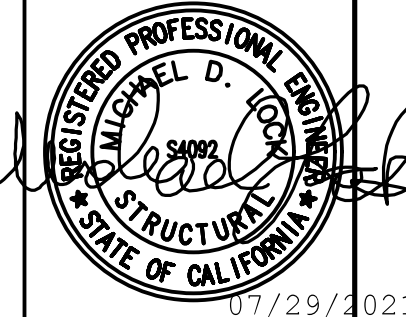
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~~DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC~~
Application Number: 04-00000
School Name: ICON Shelter Systems
School District: PC Submittal
Date Created: 2021-07-14 05:50:33

7. CAST-IN-PLACE CONCRETE	Table 1705A.2
Test or Special Inspection	Type Performed By Code References and Notes
<input type="checkbox"/> a. Verify use of required design mix.	Periodic SI Table 1705A.2.3 Item 5.1, 1705A.2.3.1, 1705A.2.3.2, 1705A.2.3.3, 1705A.2.3.4, 1705A.2.3.5, 1705A.2.3.6, 1705A.2.3.7, 1705A.2.3.8, 1705A.2.3.9, 1705A.2.3.10, 1705A.2.3.11, 1705A.2.3.12, 1705A.2.3.13, 1705A.2.3.14, 1705A.2.3.15, 1705A.2.3.16, 1705A.2.3.17, 1705A.2.3.18, 1705A.2.3.19, 1705A.2.3.20, 1705A.2.3.21, 1705A.2.3.22, 1705A.2.3.23, 1705A.2.3.24, 1705A.2.3.25, 1705A.2.3.26, 1705A.2.3.27, 1705A.2.3.28, 1705A.2.3.29, 1705A.2.3.30, 1705A.2.3.31, 1705A.2.3.32, 1705A.2.3.33, 1705A.2.3.34, 1705A.2.3.35, 1705A.2.3.36, 1705A.2.3.37, 1705A.2.3.38, 1705A.2.3.39, 1705A.2.3.40, 1705A.2.3.41, 1705A.2.3.42, 1705A.2.3.43, 1705A.2.3.44, 1705A.2.3.45, 1705A.2.3.46, 1705A.2.3.47, 1705A.2.3.48, 1705A.2.3.49, 1705A.2.3.50, 1705A.2.3.51, 1705A.2.3.52, 1705A.2.3.53, 1705A.2.3.54, 1705A.2.3.55, 1705A.2.3.56, 1705A.2.3.57, 1705A.2.3.58, 1705A.2.3.59, 1705A.2.3.60, 1705A.2.3.61, 1705A.2.3.62, 1705A.2.3.63, 1705A.2.3.64, 1705A.2.3.65, 1705A.2.3.66, 1705A.2.3.67, 1705A.2.3.68, 1705A.2.3.69, 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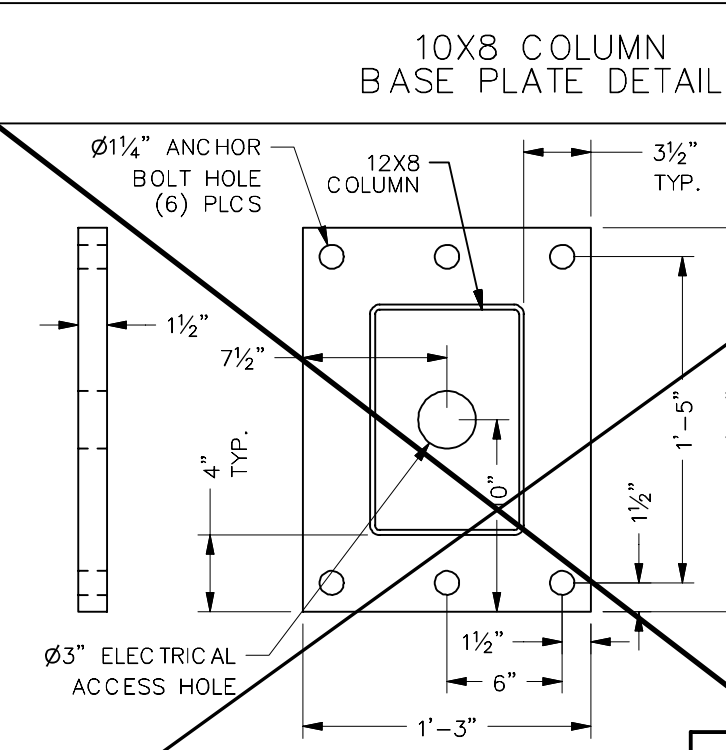
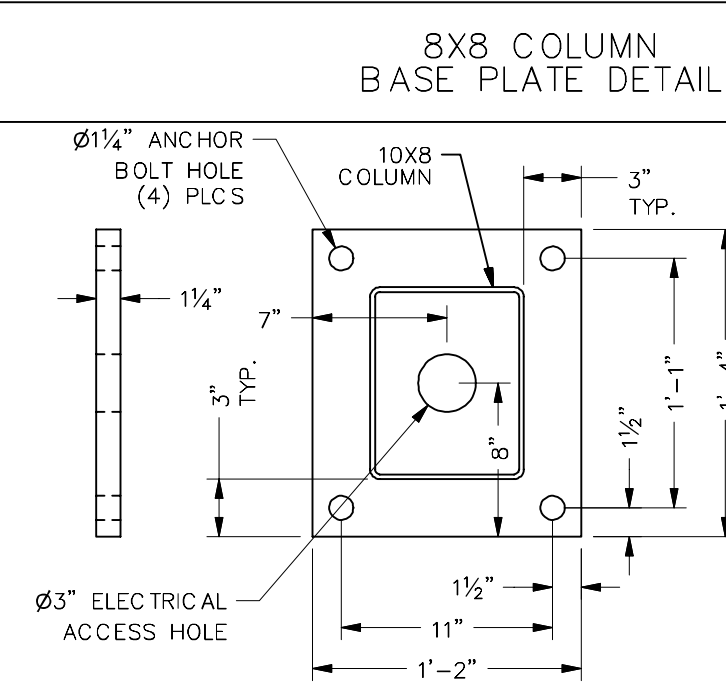
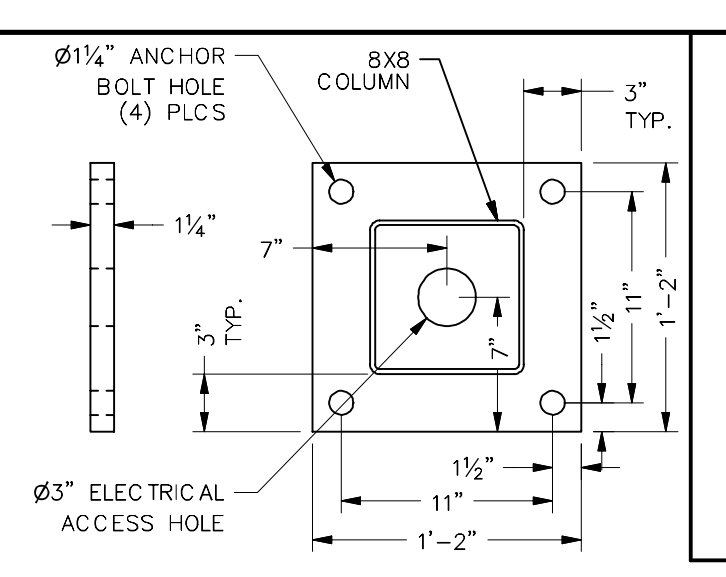
ICON STD	RH/OSA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	

JRMA
ARCHITECTS ENGINEERS
2708 SHILOH STREET, CA 95821
1.714.524.8701 F. 1.714.524.8703
WWW.JRMA.COM

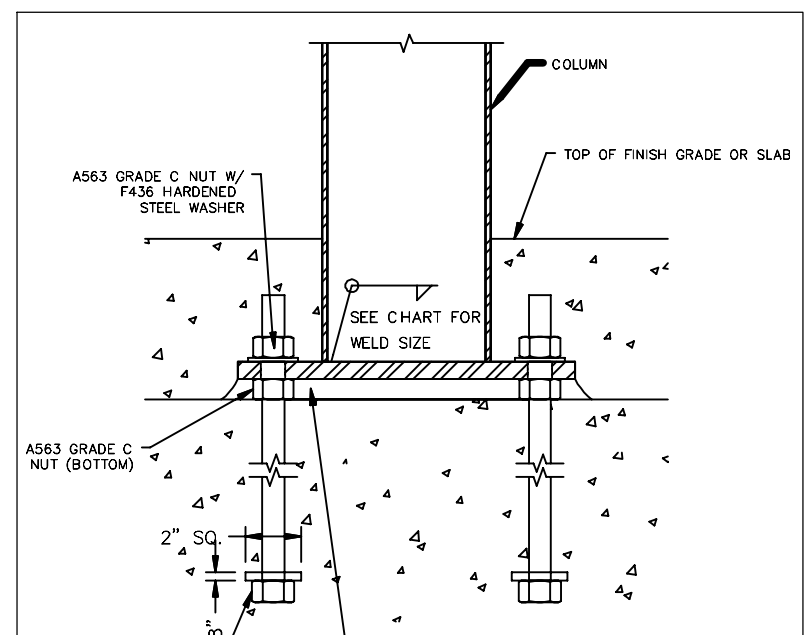
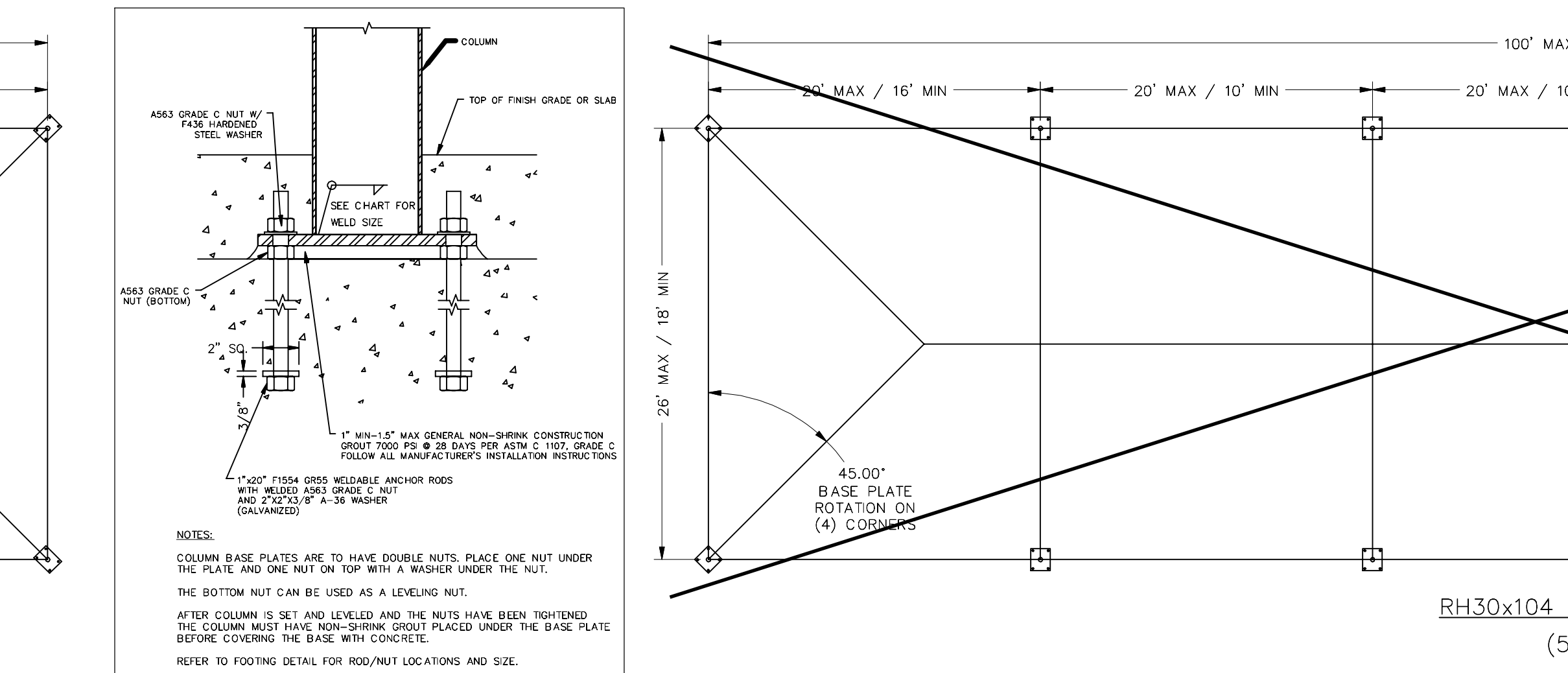
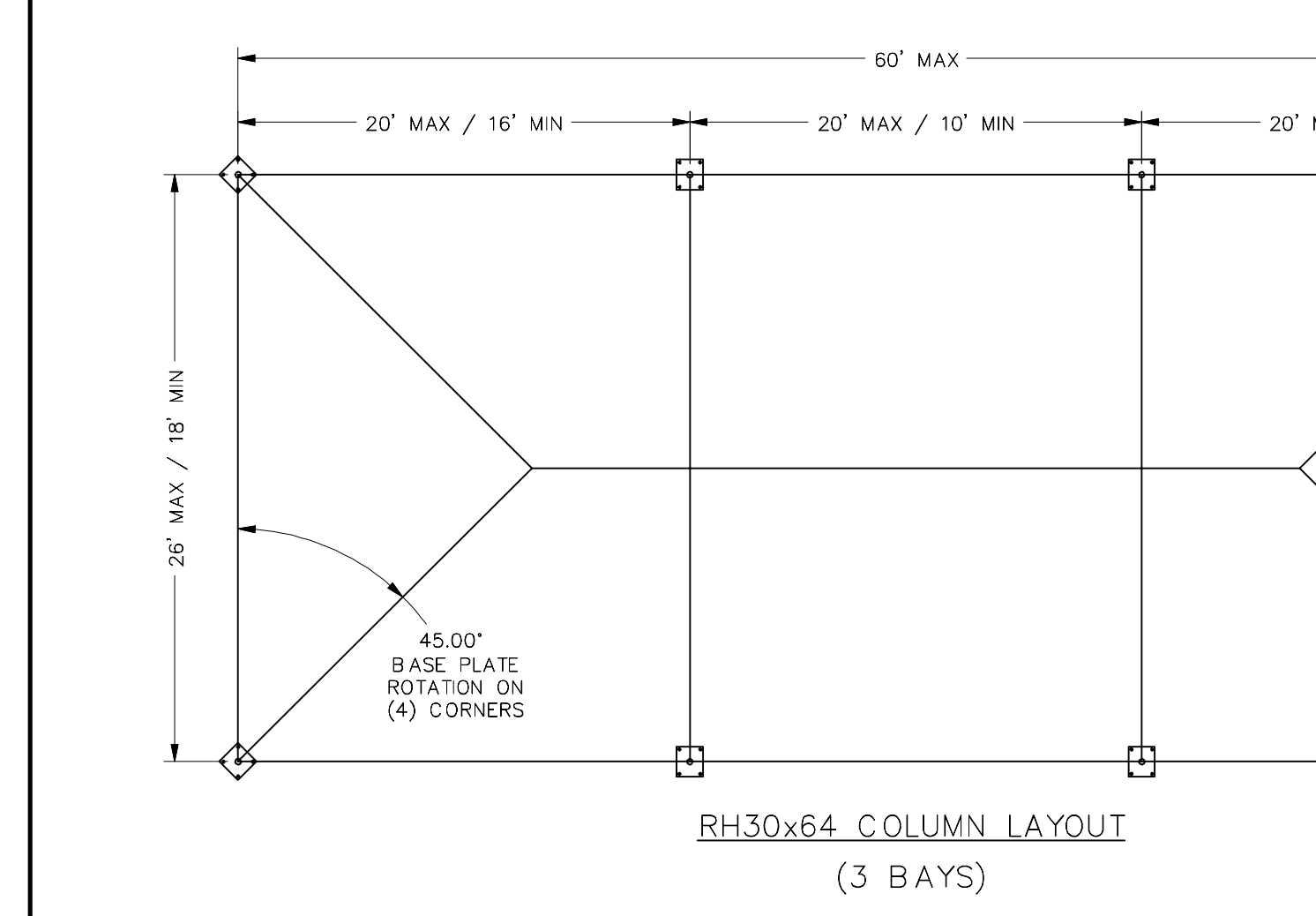
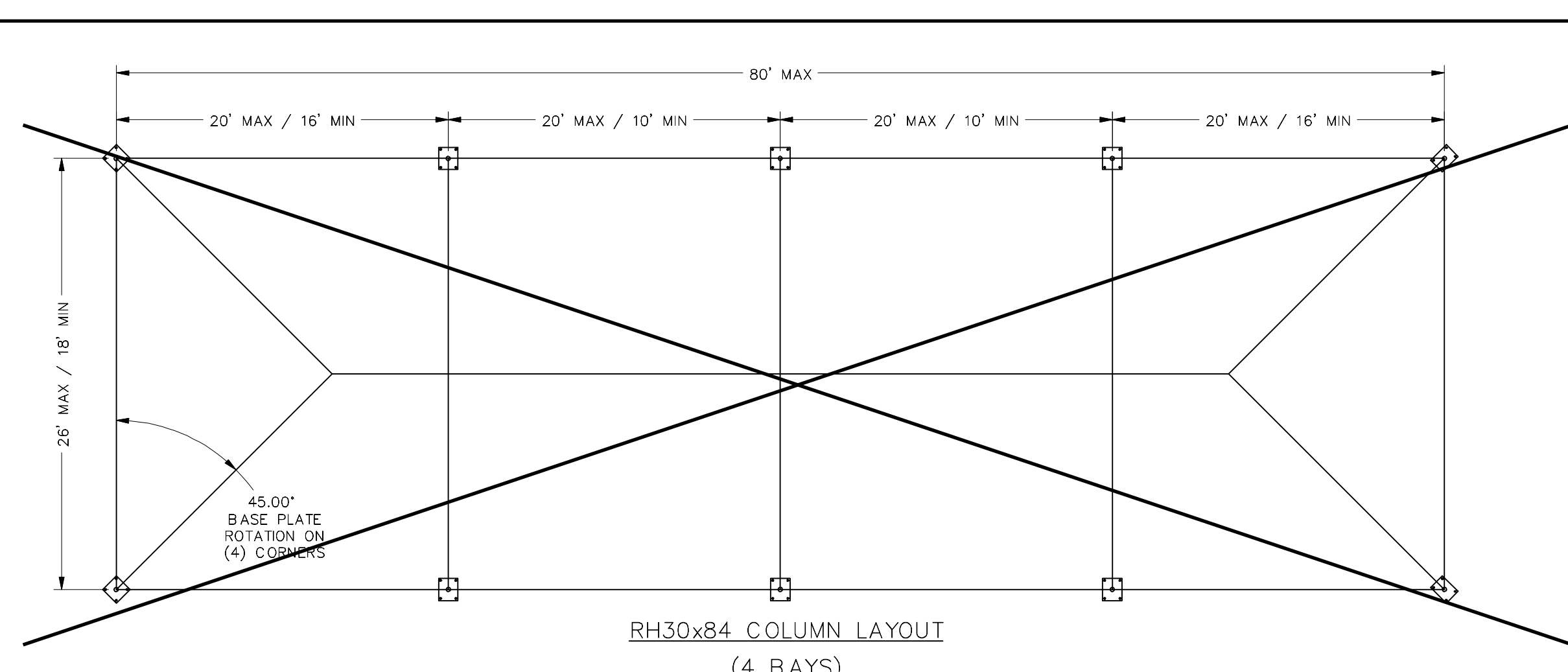
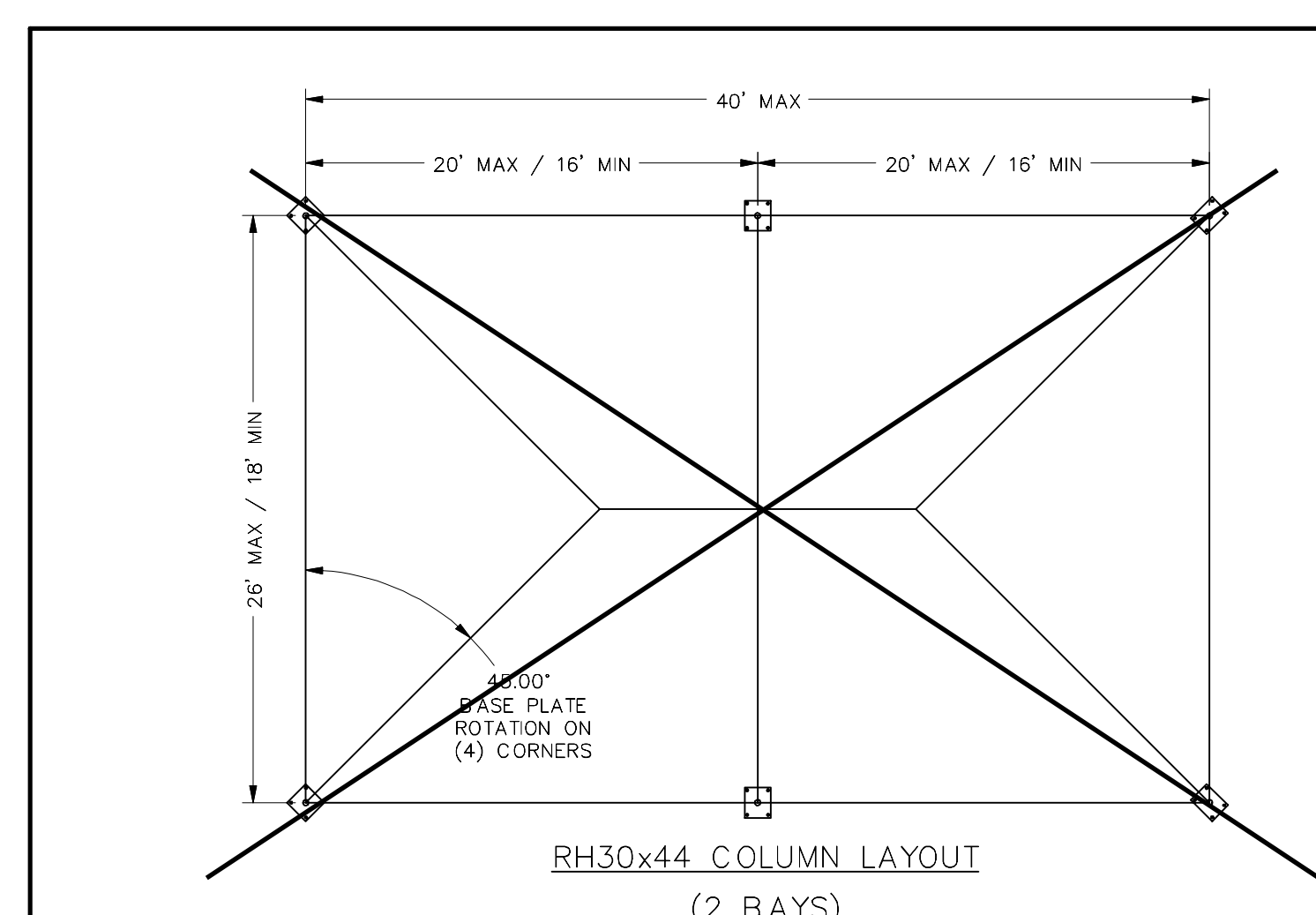


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DIV. OF THE STATE ARCHITECT
APP: 04-20013-PC
REVISED FOR
SS 88 PLS ACS
DATE: 08/06/2021

BASE PLATE LOCATION	
DETAIL A	DETAIL B
4'-0"	BP1
10'-0"	BP1 BP2
4'-2"	BP2 BP3



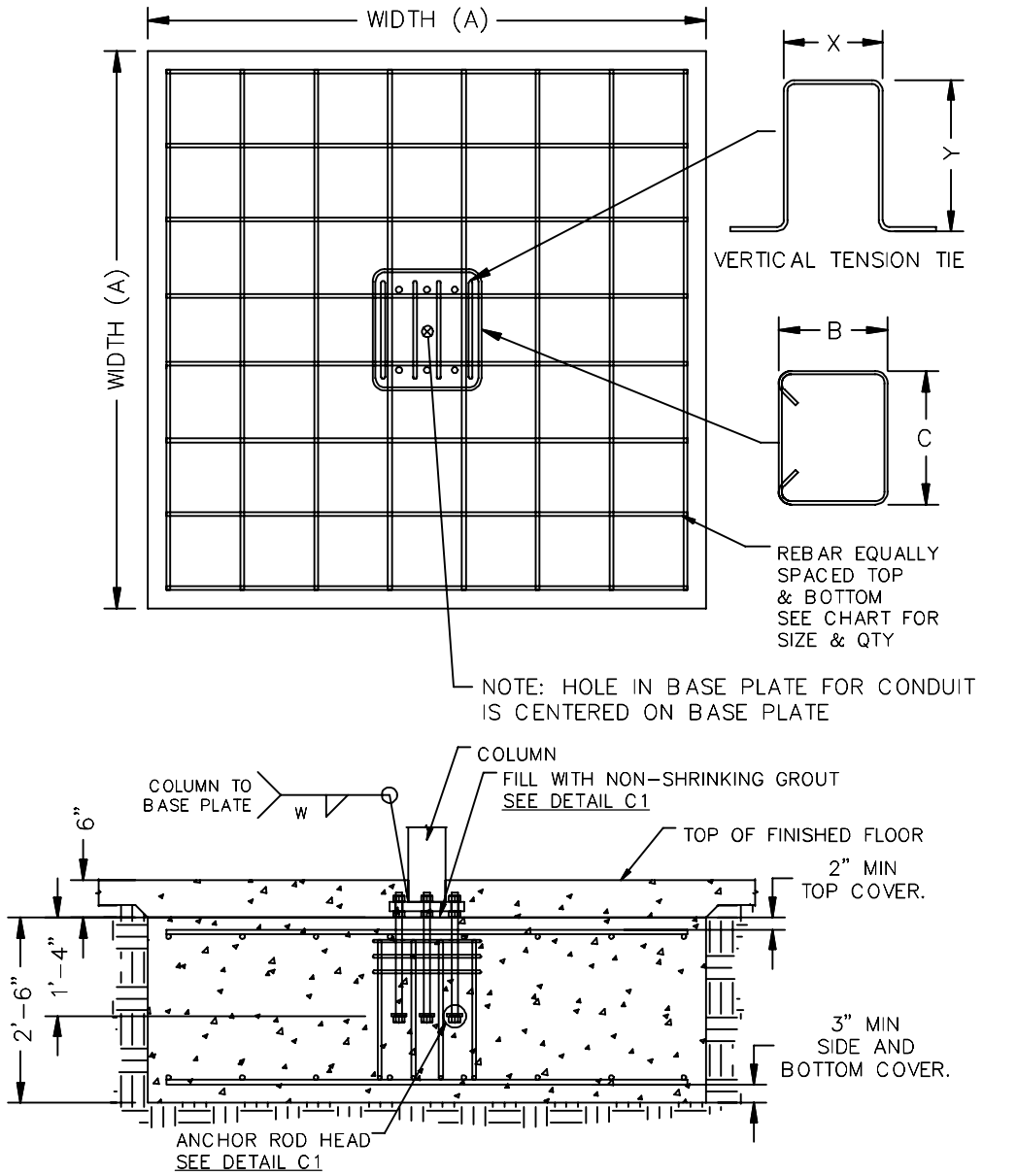
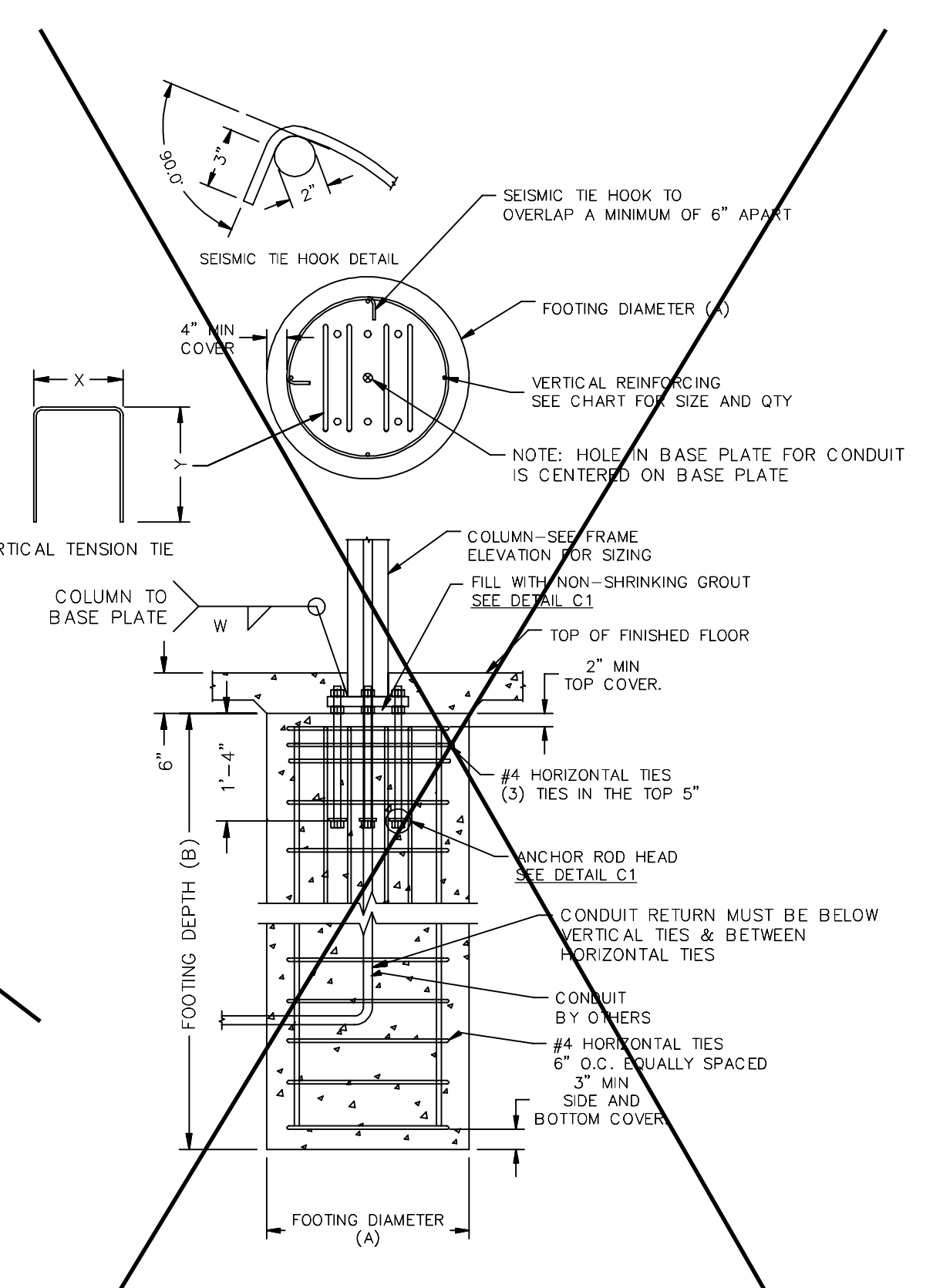
NOTES:
COLUMN SIZE AND LOCATION WILL VARY DEPENDING ON MODEL TYPE ORDERED, PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL FOR CORRECT PLACEMENT AND SIZE.
WHERE CONCRETE SLAB SPECIFIED PORTLAND CEMENT CONCRETE PAVING SHALL HAVE A MEDIUM SALTED (MEDIUM BROOM) FINISH ON ALL SURFACES SLOPED LESS THAN 6% AND SLIP RESISTANT (HEAVY BROOM FINISH) ON ALL SURFACES SLOPED GREATER THAN 6% CBC SECTION 1133B.7.1



30' WIDE RECTANGULAR HIP

RH30 - PIER		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns	
Soil Class 5 - 1500 psf Bearing		Soil Class 4 - 2000 psf Bearing		Soil Class 3 - 3000 psf Bearing		Soil Class 2 - 4000 psf Bearing		Soil Class 1 - 5000 psf Bearing	
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
60	30	4	6	4	6	4	6	4	6
8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
24	114	12	6	12	6	12	6	12	6
10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
24	120	6	6	6	6	6	6	6	6
10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
36	136	12	6	12	6	12	6	12	6
12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
30	132	8	6	8	6	8	6	8	6
12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
36	140	12	6	12	6	12	6	12	6

RH30 - SPREAD		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns		8' height - Corner Columns	
Soil Class 5 - 1500 psf Bearing		Soil Class 4 - 2000 psf Bearing		Soil Class 3 - 3000 psf Bearing		Soil Class 2 - 4000 psf Bearing		Soil Class 1 - 5000 psf Bearing	
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
60	30	4	6	4	6	4	6	4	6
8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns	8' height - Side Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
80	30	5	6	5	6	5	6	5	6
10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns	10' height - Corner Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
66	30	5	6	5	6	5	6	5	6
10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns	10' height - Side Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
81	30	5	6	5	6	5	6	5	6
12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns	12' height - Corner Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
78	30	5	6	5	6	5	6	5	6
12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns	12' height - Side Columns
Size (A)	Depth (in)	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size	Rebar Qty	Rebar Size
84	30	6	6	6	6	6	6	6	6



SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE BP3 IS A (6) BOLT

SEE DETAILS BP1, BP2 OR BP3 FOR ANCHOR BOLT PATTERNS
BP1 & BP2 ARE (4) BOLT PATTERN WHILE BP3 IS A (6) BOLT

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

LS3.0

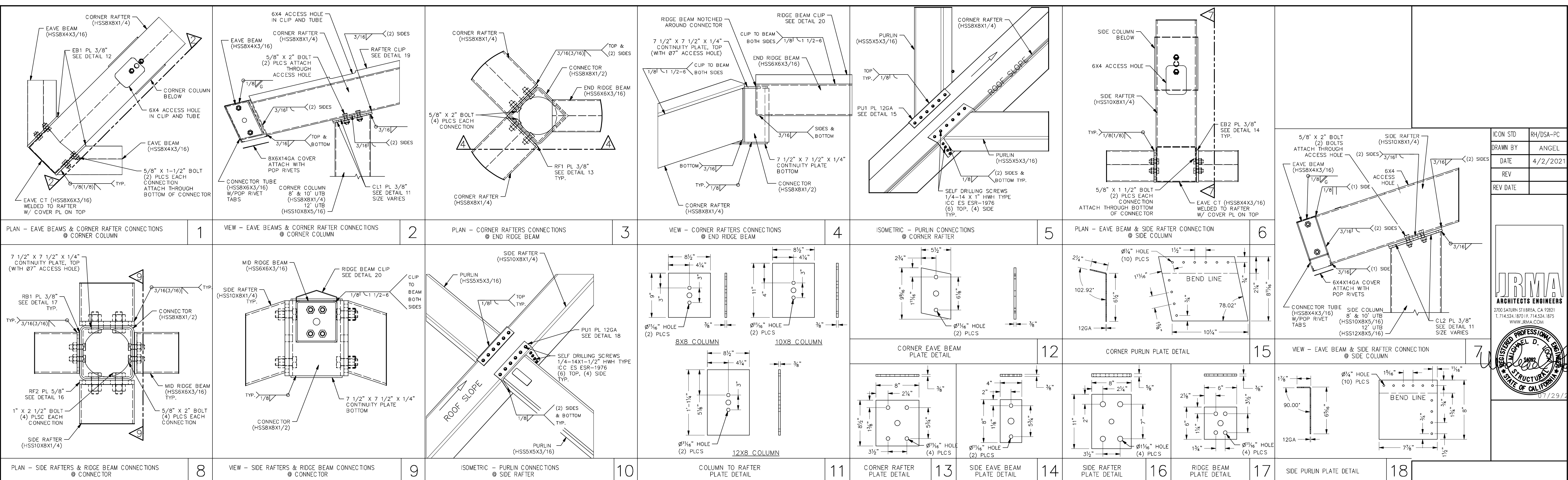
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MIDDLE SCHOOL
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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30' WIDE RECTANGULAR HIP FOUNDATION PLAN

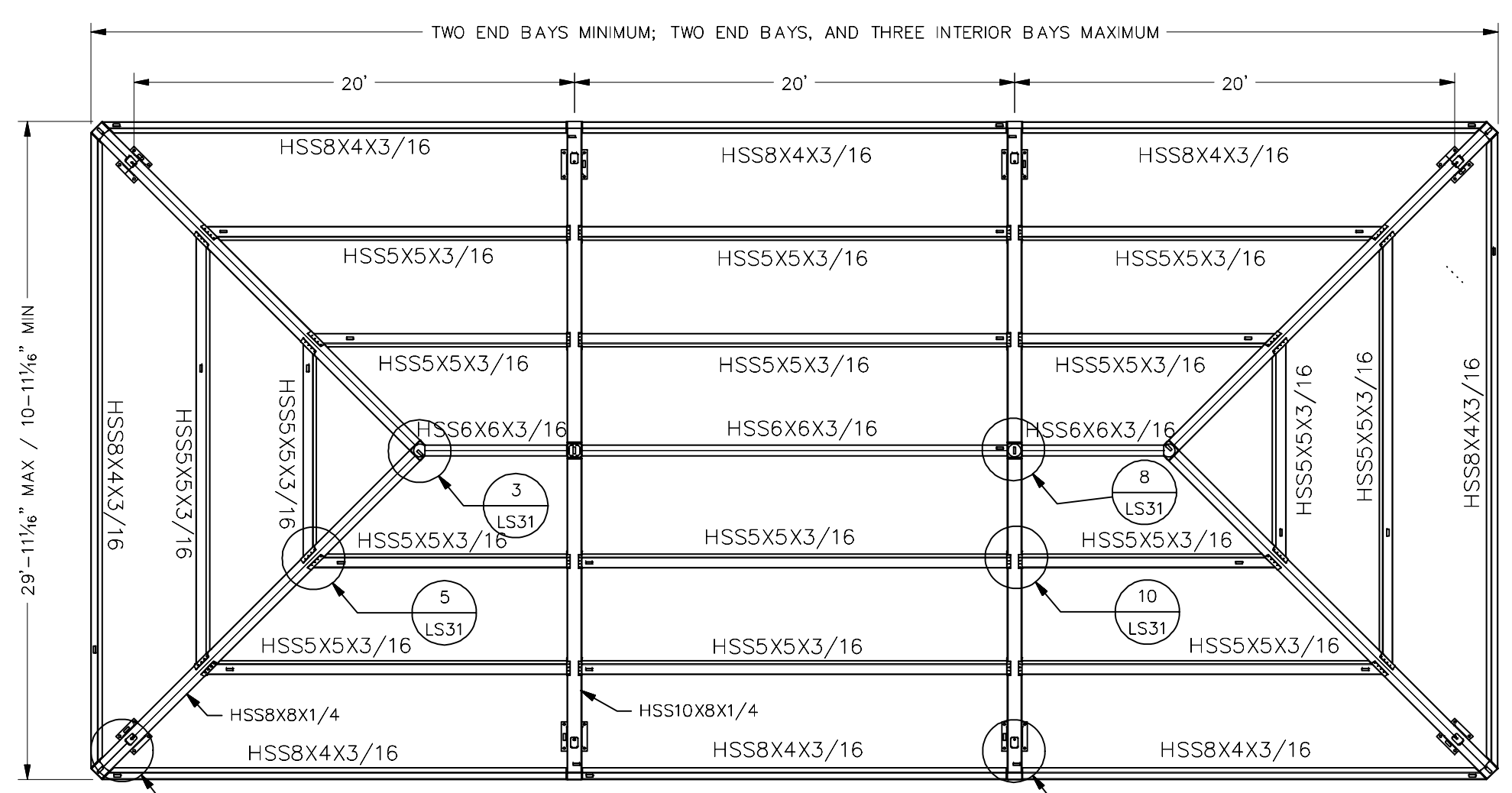
PROJECT NO. 1504.10
DATE: 3/22/2022
SHEET LS3.0



ICON STD RH/DSA-PC
 DRAWN BY ANGEL
 DATE 4/2/2021
 REV
 REV DATE

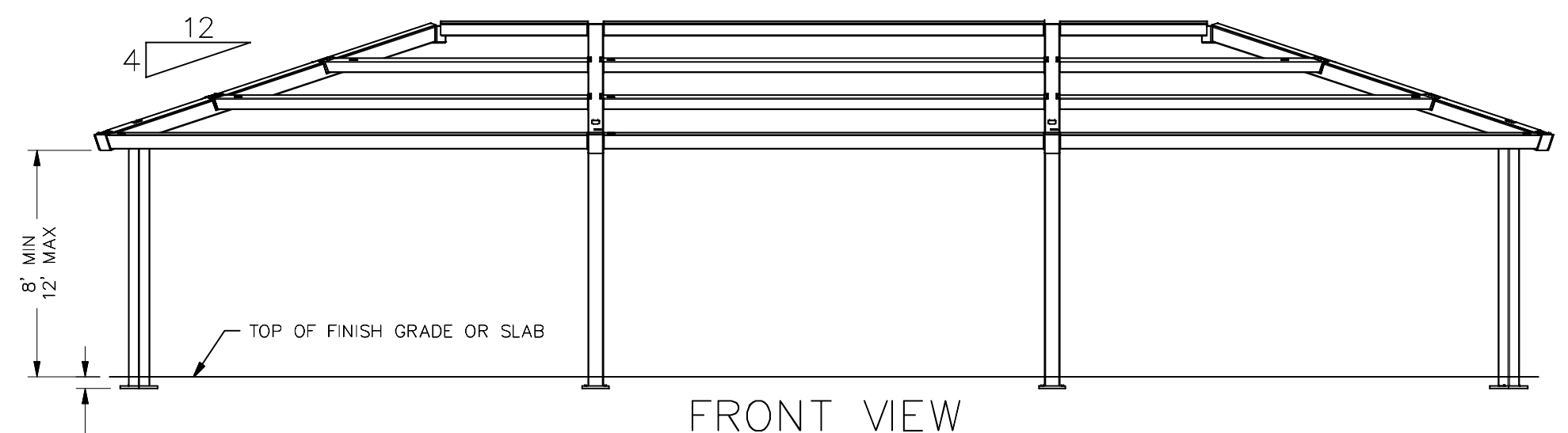
JRMA ARCHITECTS ENGINEERS
 2005 SUTHERLAND ST. SUITE 100
 SACRAMENTO, CA 95811
 WWW.JRMA.COM

REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 07/29/2021



MODEL DESIGNATION

RH30X44	2 BAY
RH30X64	3 BAY
RH30X84	4 BAY
RH30X104	5 BAY

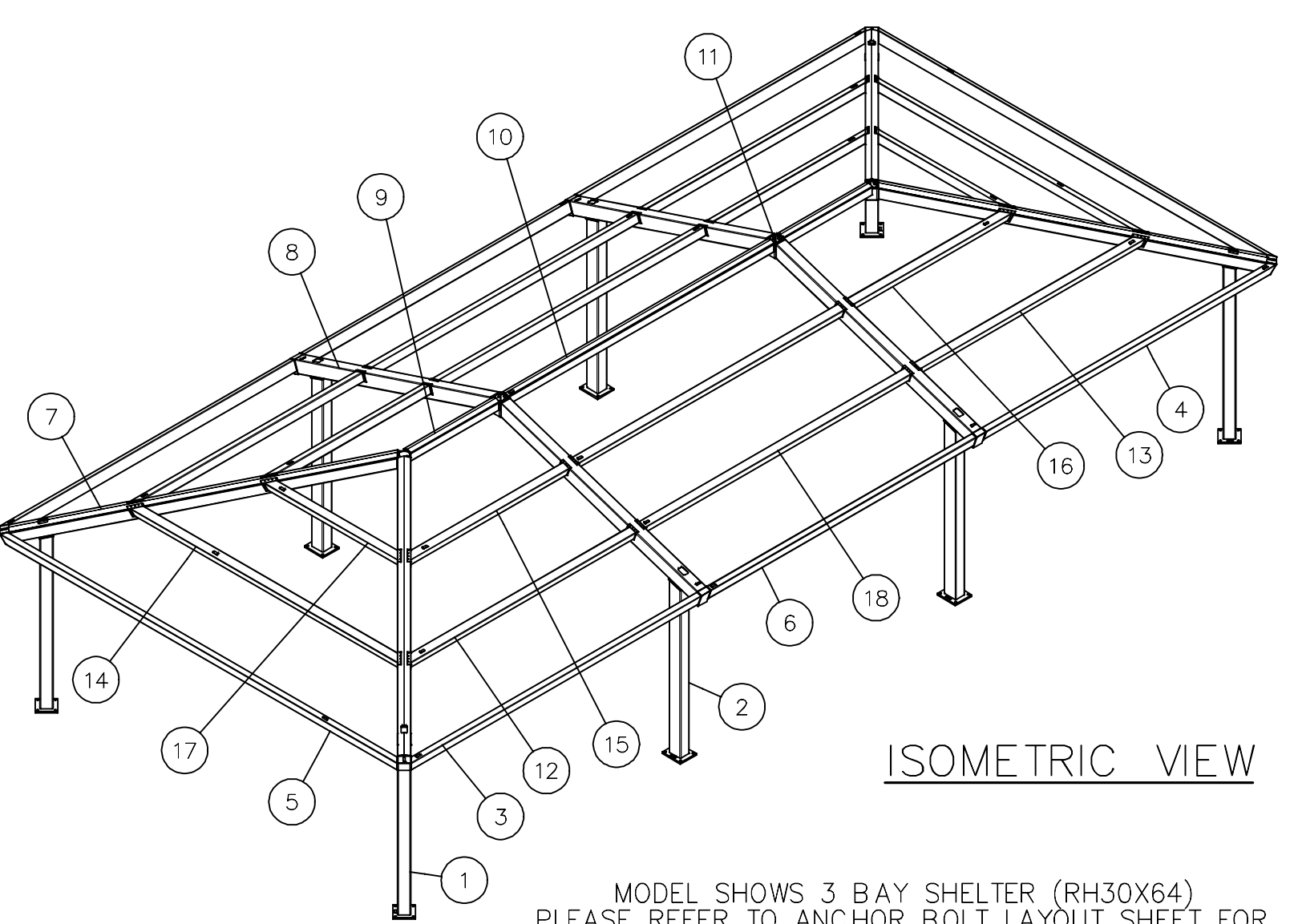
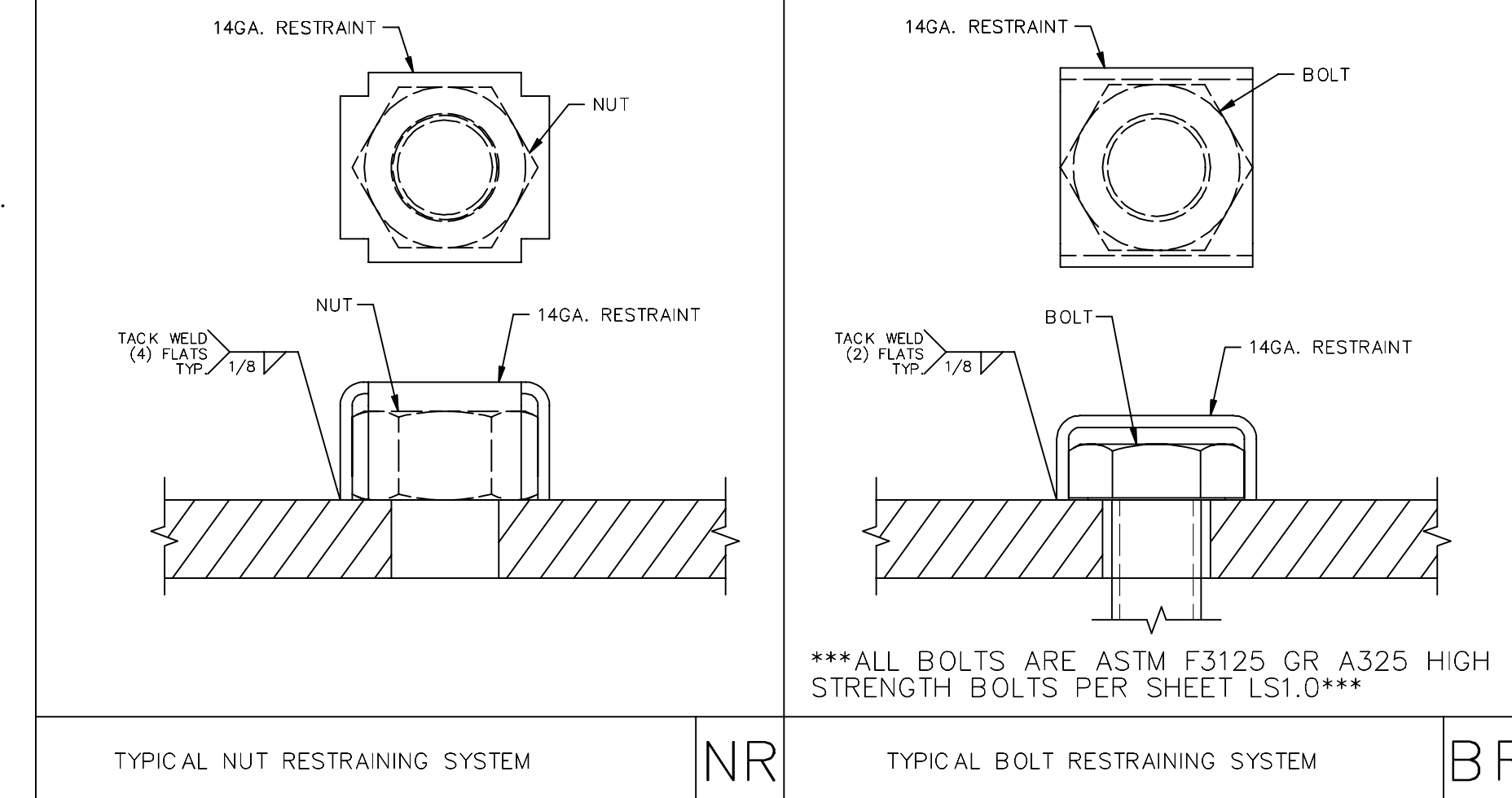


*NOTE: QUANTITIES WILL VARY DEPENDING ON SHELTER SIZE ORDERED, PLEASE REFER TO JOB SPECIFIC BILL OF MATERIALS AND INSTALLATION MANUAL.

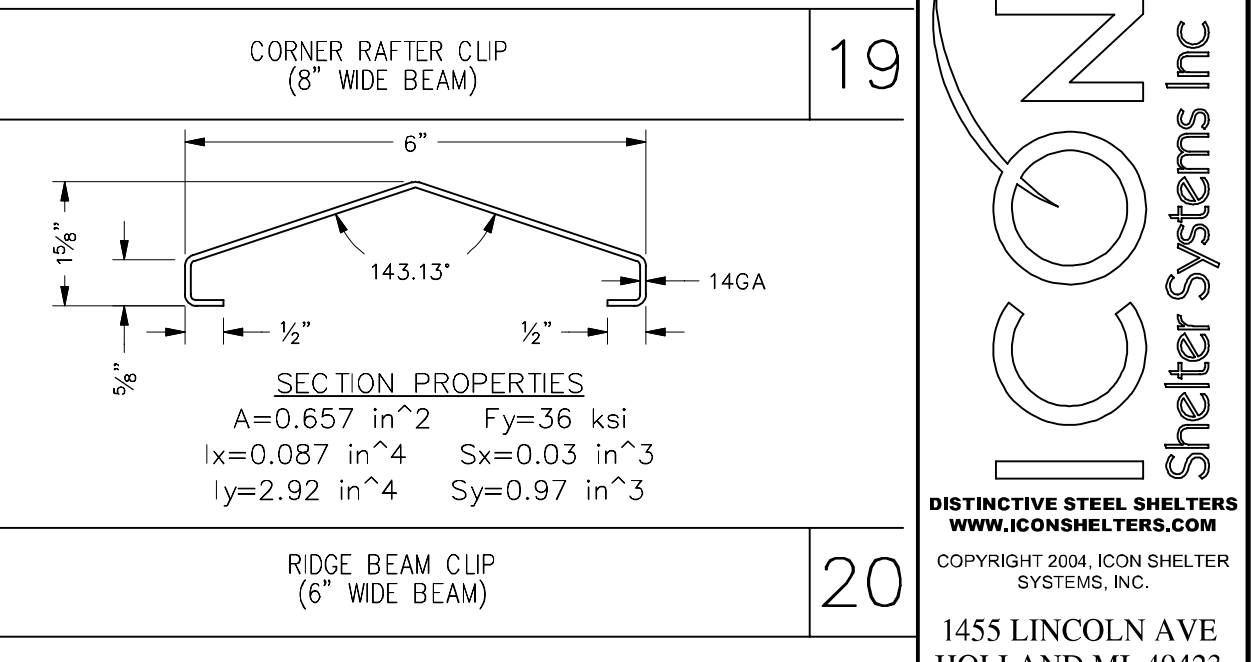
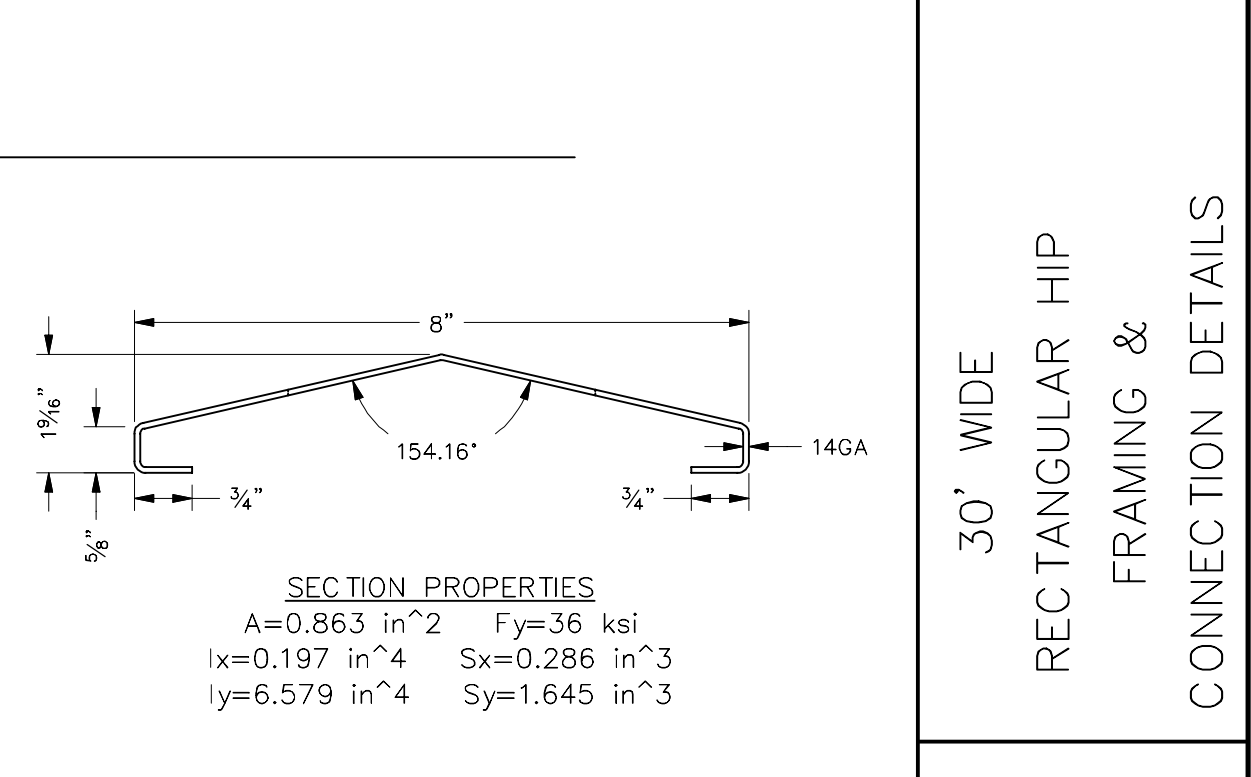
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	LENGTH	UNIT WEIGHT
1	4		CORNER COLUMN	HSSB4X3/16	353	lbmass
2	4		SIDE COLUMN	HSS10X8X5/16	399	lbmass
3	2		LH SIDE EAVE BEAM	HSSB4X3/16	311	lbmass
4	2		RH SIDE EAVE BEAM	HSSB4X3/16	311	lbmass
5	2		END EAVE BEAM	HSSB4X3/16	432	lbmass
6	4		SIDE EAVE BEAM	HSSB4X3/16	287	lbmass
7	4		CORNER RAFTER	HSSB8X1/4	607	lbmass
8	4		SIDE RAFTER	HSS10X8X5/16	474	lbmass
9	2		END RIDGE BEAM	HSSB4X3/16	149	lbmass
10	4		MID RIDGE BEAM	HSSB4X3/16	329	lbmass
11	4		CONNECTOR	HSSB8X1/2	48	lbmass
12	2		LH SIDE PURLIN 1	HSS5X3/16	238	lbmass
13	2		RH SIDE PURLIN 1	HSS5X3/16	238	lbmass
14	2		END PURLIN 1	HSS5X3/16	278	lbmass
15	2		LH SIDE PURLIN 2	HSS5X3/16	167	lbmass
16	2		RH SIDE PURLIN 2	HSS5X3/16	167	lbmass
17	2		END PURLIN 2	HSS5X3/16	137	lbmass
18	4		MID PURLIN	HSS5X3/16	284	lbmass

**NOTE: MATERIAL WILL VARY DEPENDING ON SHELTER SIZE ORDERED.

- CORNER COLUMN 8' UTB - (HSSB8X1/4)
- SIDE COLUMN 8' UTB - (HSS10X8X5/16)
- CORNER COLUMN 10' UTB - (HSSB8X1/4)
- SIDE COLUMN 10' UTB - (HSS10X8X5/16)
- CORNER COLUMN 12' UTB - (HSS10X8X5/16)
- SIDE COLUMN 12' UTB - (HSS12X8X5/16)



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 SEAL OF THE STATE ARCHITECT
 APP: 04-120013-PC
 REVISED FOR
 SS 88 PLS 02 ACS CG
 DATE: 08/06/2021



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

LS3.1

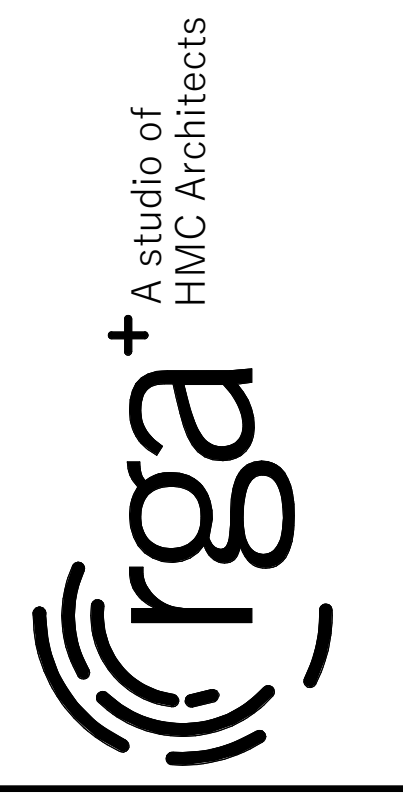
ICON Shelter Systems Inc
 1455 LINCOLN AVE
 HOLLAND MI, 49423
 616.396.0919
 800.748.0985
 616.396.0944 FX

SHADE STRUCTURE AT ROSA PARKS
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 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

Revision

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30' WIDE RECTANGULAR HIP FRAMING & CONNECTION DETAILS



ELECTRICAL INFORMATION - RECTANGULAR HIP

ICON'S STANDARD ELECTRICAL IS DESIGNED TO ACCOMMODATE Ø1/2" CONDUIT WITH A Ø3" INLET HOLE ON THE BOTTOM OF EACH COLUMN. THE CONDUIT PATHWAY RUNS THROUGH THE COLUMN, RAFTER, AND RIDGE BEAM THROUGH ALL BOLTED CONNECTIONS AS SHOWN. IF YOU HAVE SPECIAL ELECTRICAL REQUIREMENTS, PLEASE OUTLINE ANY CHANGES BELOW AS DESCRIBED.

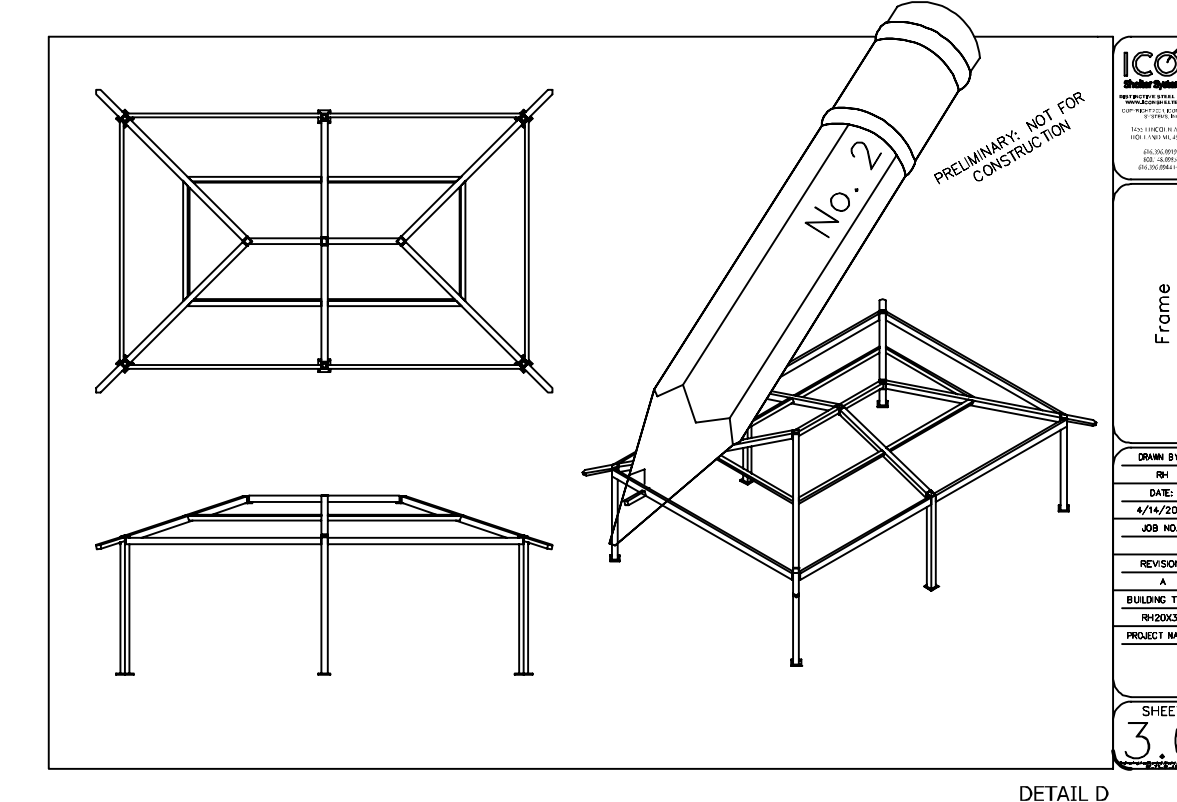
PLEASE NOTE: DESIGN LIMITATIONS ON HOLE/CUTOOUT SIZES MAY APPLY. ICON WILL REACH OUT TO DISCUSS ANY SUCH LIMITATIONS AS NEEDED.

NOTE: ICON SHELTER FRAME IS NOT UL LISTED TO ACT AS A CONDUIT FOR ELECTRICAL WIRING. CONSULT LOCAL BUILDING CODES WHEN PLANNING YOUR ELECTRICAL SYSTEM.

PRELIMINARY: NOT FOR CONSTRUCTION

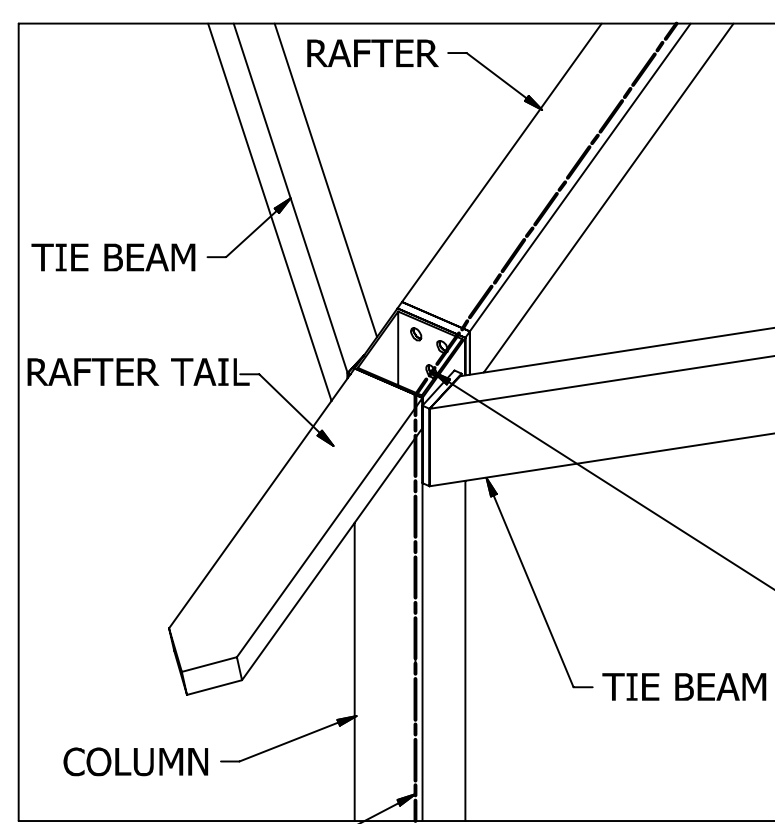
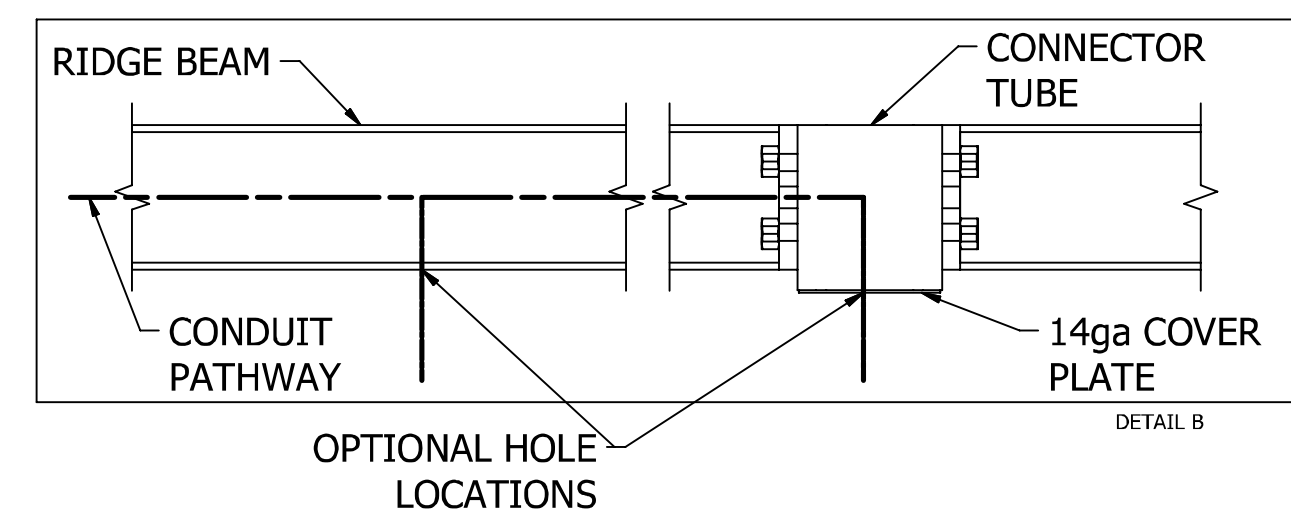
- STEPS:
1. CONDUIT HOLE SIZE (DETAIL A)
 2. ELECTRICAL EXIT HOLES (DETAIL B)
 3. ELECTRICAL ACCESS & COVER PLATES (DETAIL C)
 4. ELECTRICAL CONDUIT PATHWAY (DETAIL D)

IF REQUIRED, PLEASE DRAW THE NECESSARY ELECTRICAL CONDUIT PATHWAY ON THE FRAME SHEET OF THIS PRELIMINARY.



OPTIONAL EXIT HOLES

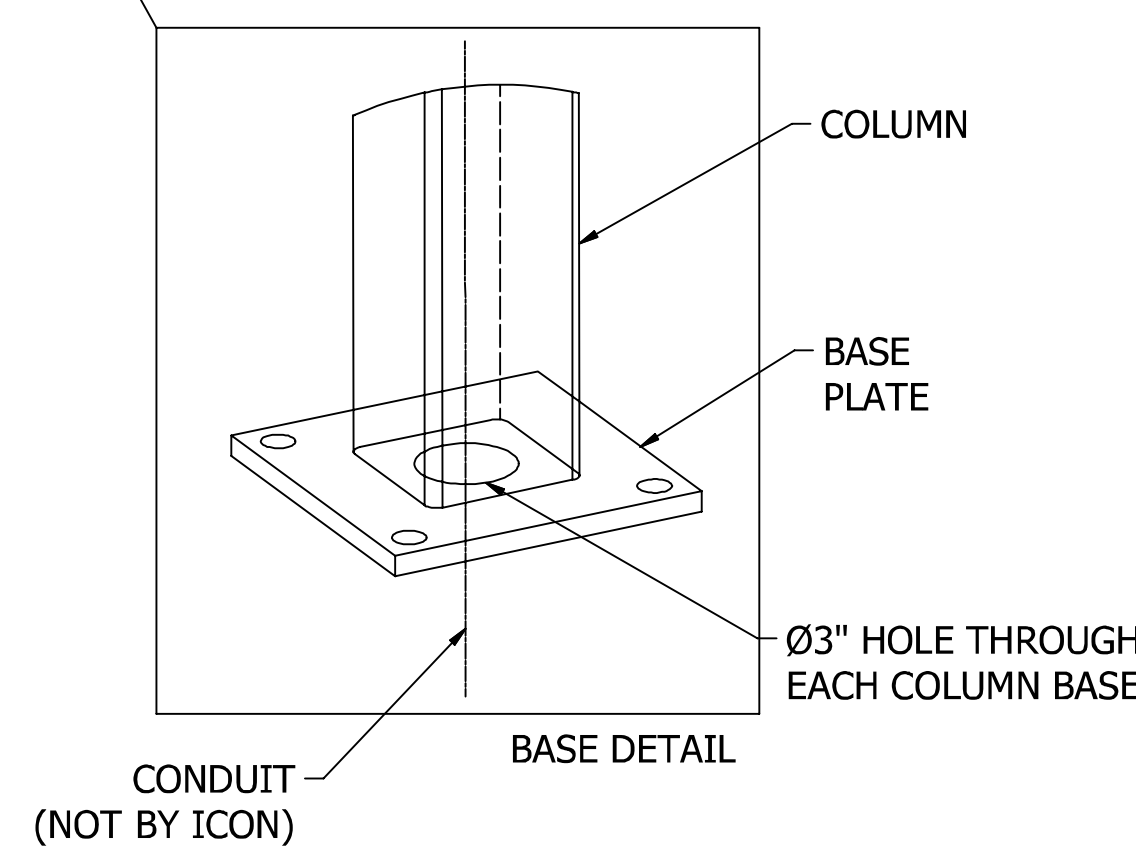
IF REQUIRED, EXIT HOLES FOR LIGHTING, ETC. CAN BE PLACED IN THE RIDGE BEAM AND/OR CONNECTOR TUBE WITH 14ga COVER PLATE AS SHOWN (CHARGES APPLY). USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED EXIT HOLE LOCATIONS AND SIZE.



ICON PROVIDES A MINIMUM OF (1) 3/4" HOLE AT EACH CONNECTION FOR 1/2" CONDUIT. IF APPLICABLE, PLEASE SPECIFY REQUIRED CONDUIT SIZE: (CHARGES APPLY)

- 3/4" CONDUIT (1" HOLES)
- 1" CONDUIT (1 1/4" HOLES)
- OTHER (PLEASE SPECIFY)

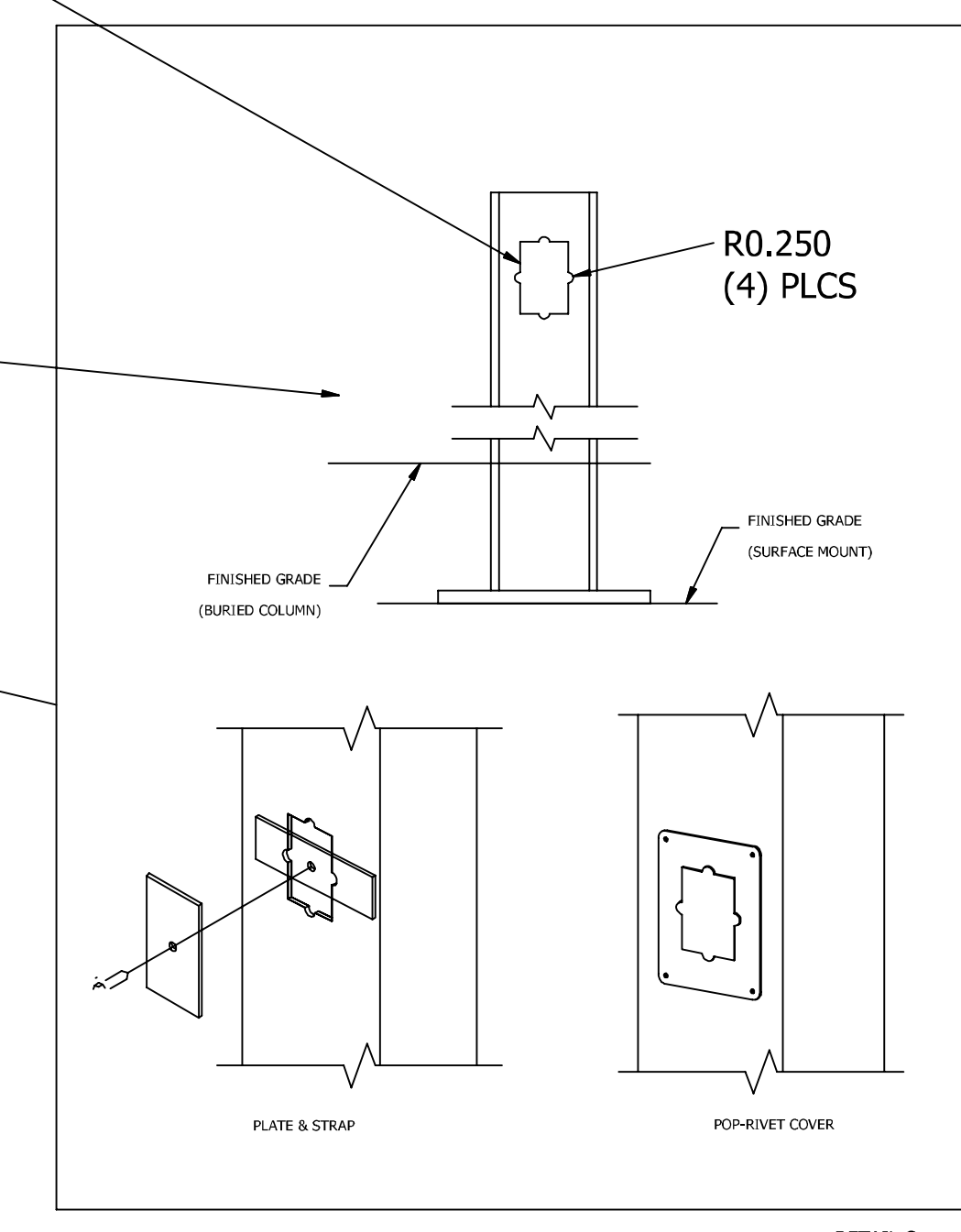
CONDUIT PATHWAY PROVIDED FOR EACH COLUMN.



OPTIONAL CUTOOUTS

USE FRAME SHEET OF THIS PRELIMINARY TO SPECIFY REQUIRED CUTOOUT LOCATIONS (CHARGES APPLY) SEE REQUIRED INFO BELOW

- (1) STANDARD CUTOOUT SIZE SHOWN. SPECIFY IF OTHER SIZE REQUIRED.
- (2) CUTOOUTS WILL BE ON INSIDE FACE OF COLUMN UNLESS OTHERWISE INDICATED ON FRAME SHEET.
- (3) SPECIFY HEIGHT ABOVE FINISHED GRADE FOR EACH CUTOOUT AS SHOWN



(4) COVER PLATES PROVIDED UPON REQUEST (CHARGES APPLY) PLEASE SPECIFY TYPE AND QUANTITY REQUIRED:

- PLATE & STRAP
 - POP-RIVET COVER PLATE
- HOW MANY REQUIRED? _____

ICON STD	RH/DSA-PC
DRAWN BY	ANGEL
DATE	4/2/2021
REV	
REV DATE	

JRMA
 ARCHITECTS & ENGINEERS
 2202 SUTHER ST, SUITE 100
 SACRAMENTO, CA 95811
 WWW.JRMA.COM

Professional Engineer Seal for J. R. M. A., State of California, No. 12345, Exp. 12/31/2021.

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 DIV. OF THE STATE ARCHITECT
 APP: 04-120013-PC
 REVISED FOR
 SS PLCS ACS CG
 DATE: 08/08/2021~~

ELECTRICAL ACCESS

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 WWW.ICONSHelters.COM
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 1455 LINCOLN AVE
 HOLLAND MI, 49423
 616.396.0919
 800.748.0985
 616.396.0944 FX

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

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 MIDDLE SCHOOL
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

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ELECTRICAL ACCESS

PROJECT NO. 1504.10
 DATE: 3/22/2022
 SHEET

LS5.0