		eviations And Angle	F.R.P.	Fiberglass Reinforced Plastic	P.D.F. PT.	Power Driven Fastener Paint		
		At Centerline	FIN. F.F.E.	Field Verify Finish Finish Floor Elevation	PR. PTN./PART. PEN.	Pair Partition Penetration		1
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	COUS.	Acoustical	F.E.C. FLASH.	Fire Extinguisher Cabinet Flashing	P.V. PLYWD.	Plumbing Vent Plywood		
Link Market Marke	DJ. GGR.	Adjustable Aggregate	F.H.M.B. F.H.M.S. F.H.W.S.	Flat Head Machine Bolt Flat Head Machine Screw Flat Head Wood Screw	LBS./# PRE-FAB. P.M.F.	Pound Prefabricated Pressed Metal Frame		
	LUM./AL. D	Aluminum Area Drain	FL./FLR. F.D. FT.	Floor Floor Drain		Pressure Treated Douglas Fir		
No. No. No. No. No. No. No. No. N	V.	Audio Visual	FTG. FND.	Footing Foundation	R.W.L. RDWD.	Rain Water Leader		
Mark Mark Output Contract: Contract:<	LK	Block	GALV.	Galvanized	REF. REINF.	Refrigerator Reinforced		
And the second seco	D OT.	Board Bottom	G.S.M. G.W.H.	Galvanized Sheet Metal Gas Water Heater	RET. R.D.	Return Roof Drain		
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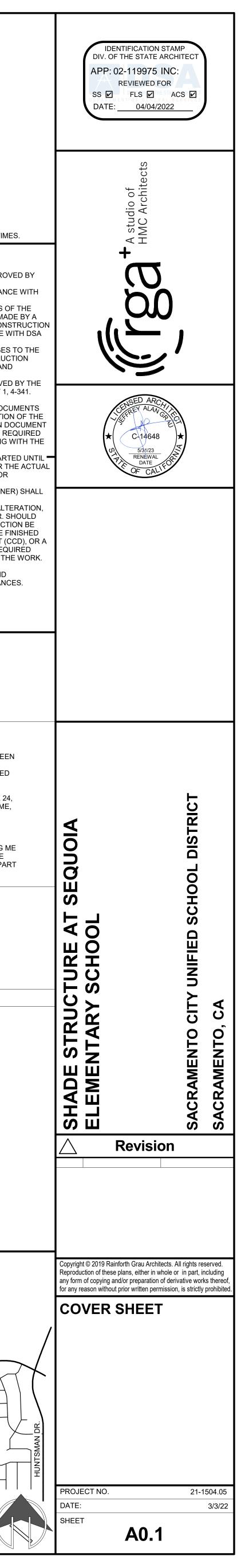
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SACRAMENTO CITY UNIFIED SCHOOL DISTR SACRAMENTO, CA

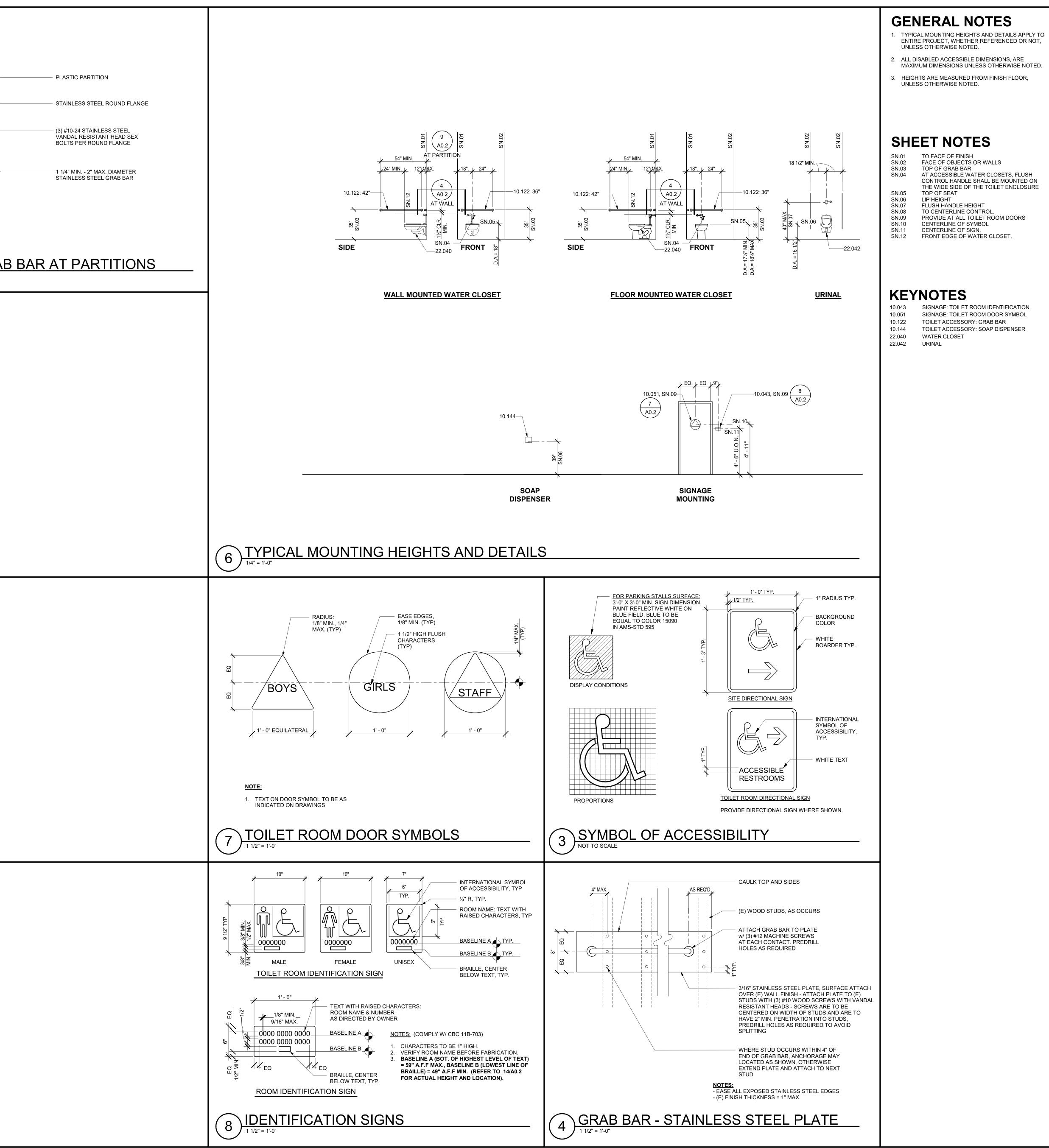
Architects /enue, Suite 100 A 95816	Owner: SACRAMENTO CITY U 5737 47TH AVENUE SACRAMENTO, CA 958 916.643.7400
	Contact: MIKE TAXARA
LECTRICAL ENGINEER: ETERS ENGINEERING /50 COLLEGE TOWN DRIVE, SUITE 101 ACRAMENTO, CA 95826 16.447.2841 ITN: GINO ROMANO	Project Information: <u>SITE LOCATION</u> 3333 Rosemont Drive Sacramento, CA 95826

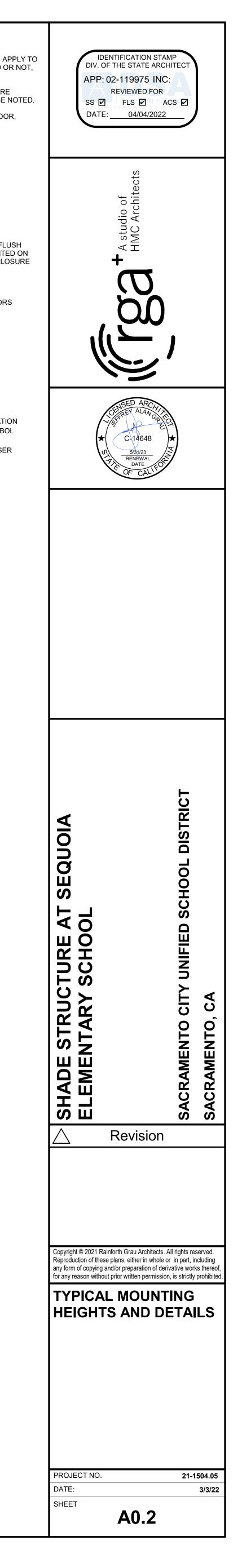
ANS AND INTERIOR ELEVATIONS

QUOIA	Applicable Codes: CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:
QUUIA	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
RICT	UL 521, 7 TH 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 APPROVE DSA IN ACCORDANCE WITH CCR TITLE 24, PART 1.
	 THE CONTRACTOR SHALL BE FAMILIAR WITH, AND PERFORM THE DUTIES IN ACCORDANCE DSA PROCEDURE 13-01, CONSTRUCTION OVERSIGHT PROCESS. CHANGES TO THE STRUCTURAL, ACCESSIBILITY, OR FIRE AND LIFE-SAFETY PORTIONS OF APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE
NIFIED SCHOOL DISTRICT	 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 WIT IR A-6. 4. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS WILL BE CONSIDERED AS CHANGES T APPROVED PLANS AND / OR SPECIFICATIONS. THEY ARE TO BE TREATED AS CONSTRUCTIONS
824	 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 B ARCHITECT, STRUCTURAL ENGINEER, AND DSA IN ACCORDANCE WITH TITLE 24, PART 1, 4-300 AND DSA IN ACCORDANCE WITH TITLE 24, 4
	6. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUM WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION CBD IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, A CHANGE CONSTRUCTION DOC OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUING THE REQUINE AND SPECIFYING THE AND SPECIFYI
	REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WI REPAIR WORK. 7. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE
Project Scope: INSTALLATION OF (1) 30' X 64' PC SHADE STRUCTURE AND RELATED CONCRETE PAD. CONSTRUCTION OF (1) TRASH ENCLOSURE. UPGRADES TO ACCESSIBLE PATH	 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) CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. 9. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTER
OF TRAVEL AND RESTROOMS. RELATED SITE AND ELECTRICAL WORK. <u>SCHEDULE OF ALTERNATES:</u> ALTERNATE NO. 1: CRACK REPAIR, SEAL COAT AND RESTRIPING	REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHO ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINIT WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CC
 A. The contractor is responsible for determining the the extent of crack repair at (e) hardcourt. Place 2 coats of seal coat on existing paving. Seal coat to be provided over entirety of (e) hardcourt. The contractor is responsible for verifying (e) striping condition and verifying exact layout to be restriped with District. 	 SEPARATED SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIF WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE (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
FIRE SAFETY: THE CONTRACTOR SHALL COMPLY WITH CFC CH 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.	
	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))
	3/31/22 SIGNATURE ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL
	RESPONSIBLE CHARGE Jeffrey Grau PRINT NAME
	C-14648 05/31/23 LICENSE NUMBER EXPIRATION DATE LIST COMPLETELY, ITEMS REVIEWED AND ACCEPTED:
	CIVIL, ELECTRICAL
	Vicinity Map:50
	SCHOOL SITE
	KIEFER BLVD.



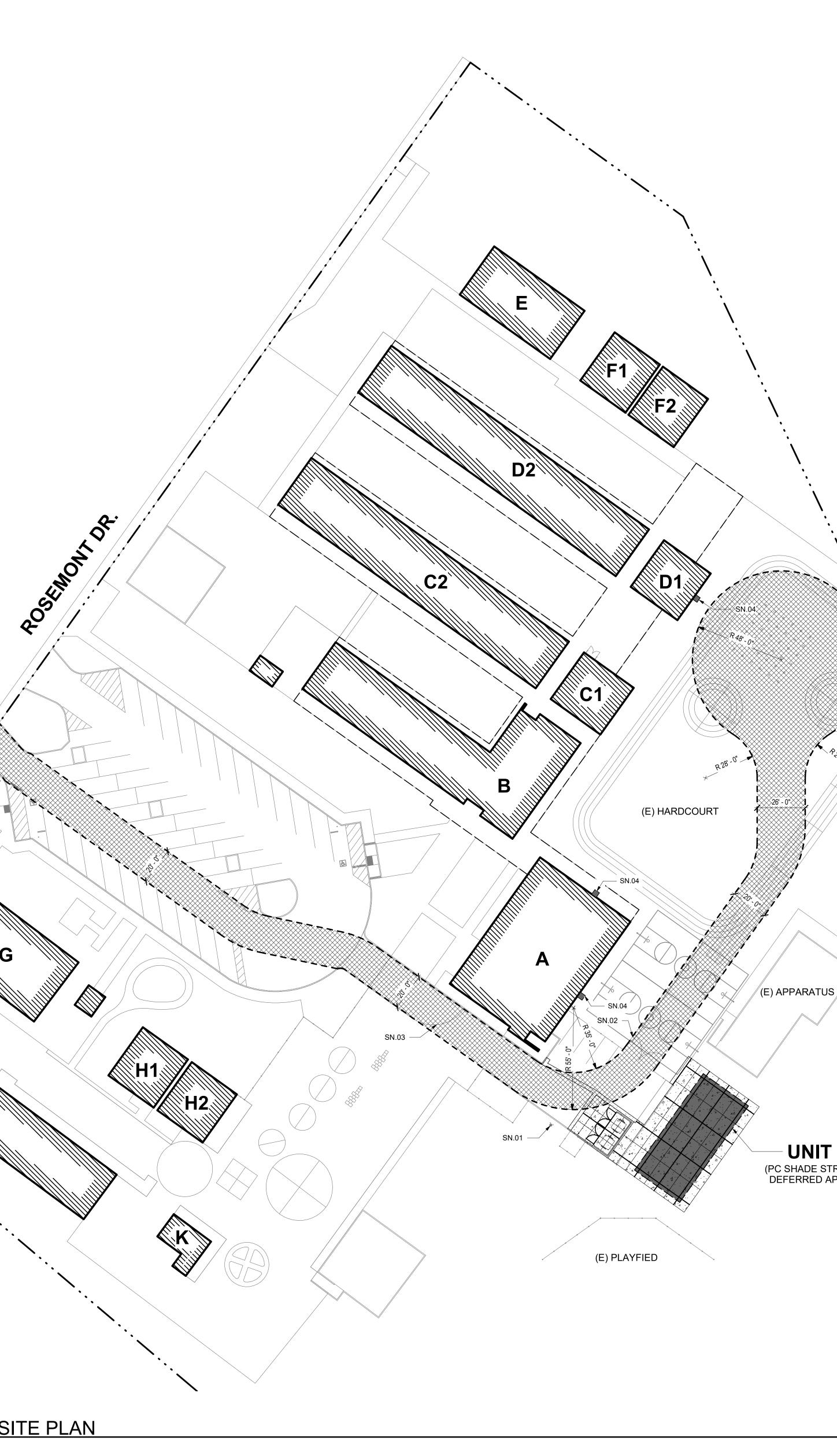
	9 TYPICAL GRA





1 LOCAL FIRE AUTHORITY SITE PLAN

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School District: SACRAMENTO UN Project name / school: SEQUOIA ES SHAI	NIFED SCHOOL DISTRICT	
	DR., SACRAMENTO, CA 95826	
FIRE & LIFE SAFTEY INFORMATION 1. Has a fire hydrant flow test been pre	eformed within the past 12 months?	ATE ACCEPTED
· · ·	performed as part of this LFA review?	
 Is the project located within a design established by Cal-Fire? (If yes, indicate fire hazard zone c 	Ye	es 📃 No 🔀
Refer to the following for fire hazard www.fire.ca.gov/fire_prevention/fi		gh Very High
_zones_maps Wildland Interface Area (WIFA)		WIFA
CBC Chapter 7A)	project design must meet the requirements	
CONDITION MEANS AND METHODS RES	Yes N	TE ACCEPTED
 Emergency vehicle access roadway Acceptable Alternative: Emergency 	y vehicle and personel access	
 as proposed by the architect is acce suppression and protection of life an 5. Fire Hydrants: Number and spacing 	nd property	
5a. Acceptable Alternative: Number of proposed by the architect is accepta	f fire hydrants and spacing as	
6. Fire Hydrants: Water flow and pres		\searrow
6a. Acceptable Alternative: The availa for providing fire suppression and pr	ble flow and pressure is acceptable rotection of life and property.	
7. Location of fire department connection or standpipe system does not meet	CFC requirements.	
7a. Acceptable Alternative: The location serving the fire sprinkler system and for providing fire suppression and pr	d/or standpipe system is acceptable	
School District Acceptance of Acceptable By signing this form, the school district ackn	e Design Alternates nowledges and accepts the proposed design as	an alternative to
	nia Fire Code (CFC) minimum requirements as i 4a, 5a, 6a, or 7a, for providing fire and life safet	
Accepted by:		
	Date:	
	ATION	
LFA Review Official:	Work Phone:	
Work Email:		
FA Reviewer's Signature:	Date:	

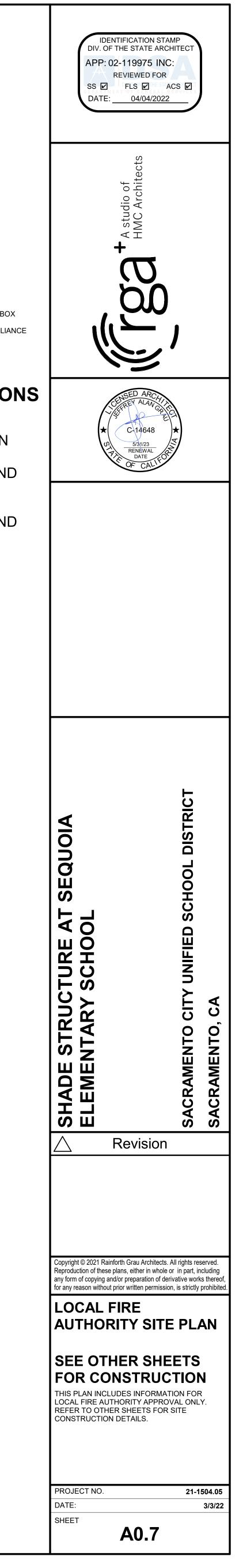
END

PROPERTY LINE - UNIT DESIGNATION SHADE STRUCTURE UNIT DESIGNATION EXISTING BUILDINGS CONCRETE WALK / PAVING ASPHALT CONCRETE PAVING (E) EMERGENCY ACCESS LANE (E) CHAIN LINK FENCE (E) FIRE HYDRANT (NTS) ET NOTES (E) FIRE HYDRANT (E) PR. 10' - 0" WIDE GATES WITH KNOX LOCK BOX (E) 20' - 0" WIDE GATE WITH KNOX LOCK BOX (E) EXTERIOR FIRE ALARM NOTIFICATION APPLIANCE

LDING DESIGNATIONS

	MULTIPURPOSE ADMINISTRATION
	LASSROOMS ANI OILET ROOMS
	LASSROOMS ANI OILET ROOMS
UNITE - (CLASSROOMS
UNITS - C F1-F2	LASSROOMS
UNIT G - C	CLASSROOMS
UNITS - C H1-H2	LASSROOMS
	CLASSROOMS OILET ROOMS

(PC SHADE STR DEFERRED APP



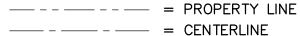


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999

x-----x-----x--



- ____ _ _ _ _ _ = 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
 - = GROUND ELEVATION

99.99	= HARD SURFACE ELEVATION
EXISTI	NG UTILITIES
12"SD	= STORM DRAIN LINE
12"SD	(SIZE & DIRECTION OF FLOW) = STORM DRAIN LINE
12"SD	(RECORD INFORMATION)
	= STORM DRAIN LINE (UNDERGROUND LOCATING)
SD	= STORM DRAIN MANHOLE
0	= STORM DRAIN CLEANOUT
	= DROP INLET
⊜ ∘ <i>RW</i> L	AREA DRAINRAIN WATER LEADER
∘ ∧ <i>m</i> ∟ ∘ DS	= DOWNSPOUT
12"SS	= SANITARY SEWER LINE
12"SS	(SIZE & DIRECTION OF FLOW) = SANITARY SEWER LINE
<u>12"</u> SS	(RECORD INFORMATION)
12 33	= SANITARY SEWER LINE (UNDERGROUND LOCATING)
Ś	= SANITARY SEWER MANHOLE
	= SANITARY SEWER CLEANOUT
—— <i>W</i> — - — - <i>W</i> — —	= WATER LINE (SIZE INDICATED)
	WATER LINE (RECORD INFORMATION)WATER LINE (UNDERGROUND LOCATING)
(= WATER MANHOLE
	= WATER VALVE
[wM]	= WATER METER
w	= WATER BOX
Ø	= IRRIGATION CONTROL VALVE
Q	= FIRE HYDRANT
	= BACKFLOW PREVENTER
٩	= SPRINKLER
¢ OLL F	= HOSE BIBB
— ОН - Е— —— Е ——	= OVERHEAD ELECTRIC LINE= UNDERGROUND ELECTRIC LINE
——— <i>E</i> ———	= UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
— — <i>E</i> — —	(RECORD INFORMATION) = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
Ē	= ELECTRIC MANHOLE
-0-	= UTILITY POLE (WITH GUY WIRE)
EM	= ELECTRIC METER
E	= ELECTRIC BOX
B B	= STREET LIGHTING BOX
□¤ <i>OR</i> ×	= LIGHT STANDARD
	= SIGNAL LIGHT
Œ	= FLOOD LIGHT
	= ELECTRICAL OUTLET
	= GAS LINE (SIZE INDICATED)
	= GAS LINE (RECORD INFORMATION)
-	= GAS LINE (UNDERGROUND LOCATING)= GAS MANHOLE
-	= GAS VALVE
GM	
— T —	= TELEPHONE LINE
T	= TELEPHONE LINE (RECORD INFORMATION)
— — <i>T</i> — —	= TELEPHONE LINE (UNDERGROUND LOCATING)
SD	= STORM DRAIN BOX
TS	= TRAFFIC SIGNAL BOX

A.P.N.	06	0-0240-012		
BENCHM	ARK NO. <u>CO. B</u> .	M. 21–53	_ ELEV	52.03
LOC ABC WES	ATED IN TOP OF VE VE D.I. SOUTH SIDE ST OF CONCRETE WA	STAMPED "CO. B.M. 21–53 RTICAL CURB IN CHISELED OF KIEFER BLVD. APPROX. LK TO ENTRANCE TO ROSE AND 0.10 MILE EAST OF M	SQUARE 40' MONT	

TBM LIST

NUMB	ER	DESCRIPTION	NORTHING	EASTING	ELEV
1	CPS	CHISELED "+"	4785.90	5392.83	48.79
2	CPS	PK+WASHER	5013.76	5552.23	48.70
3	CPS	CHISELED "+"	4894.67	5443.45	49.44
4	CPS	CHISELED "+"	4719.71	5218.18	49.14
5	CPS	CHISELED "+"	4882.88	5294.81	48.61
6	CPS	CHISELED "+"	5045.53	5138.24	47.98

CIVIL ABBREVIATIONS AND LEGEND

AD

APN

ARV

ASB

BO

BV

BW

C/L

CMP

CO

CR

CS

DC

DDC

DG

DIA

DIP

DS

DWG

ESMT

FDC

GR

GV

HR

HP

INV

NTS

PCC

PD

P/I

PIV

PUE

PVC

RCP

RIM

RW

SCH

SDMH

SSMH

STD

S/W

TDCB

TP

TRW

TSW

UON

VCP

W/

WV

W/0

тw

HBD

HDPE

GRD

CATV

COMM

CONC.

CONST.

CB

CL

	ABBREMATIONS
	NOT ALL ABBREVIATIONS
٩B	E USED ON THESE PLANS. AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
3V	BUTTERFLY VALVE
3W	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
	CLASS CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
	DOUBLE CHECK VALVE DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
 -H G	FIRE HYDRANT GAS
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
NV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
_F	LINEAL FEET
_IP	LIP OF GUTTER
_T	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
DH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PD PIV	PLANTER DRAIN POST INDICATOR VALVE PROPERTY LINE
>∕L	POPERTY LINE
>P	POWER POLE
>UE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R R R	RADIUS MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TR	TOP OF RAMP ELEVATION
TRW	TOP OF RETAINING WALL
TSW TW	TOP OF RETAINING WALL TOP OF SEAT WALL TOP OF WALK ELEVATION
J	UTILITY
JG	UNDERGROUND
JON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
N N /	WATER

WITH WITHOUT

WATER VALVE

LE	<u>GEND</u>
NOTE: NOT ALL BE USED ON 1	
	& 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)
0 co	STORM DRAIN CLEANOUT
99.99	ELEVATION
FF=100.00	FINISHED FLOOR ELEVATION
PAD=99.33	BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
\longrightarrow	GRADED DIRECTION FOR DRAINAGE FLOW
$ \cdots $	SWALE
	SLOPE
\bigotimes	TREE TO BE REMOVED
	RETAINING WALL
PROPOSED SANITARY	SEWER SYMBOLS:
6" SS	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
۲	SANITARY SEWER MANHOLE (SSMH)
o co	SEWER CLEANOUT FLUSHER BRANCH
PROPOSED WATER SY	MBOLS:
—	WATER LINE & SIZE
—	FIRE LINE & SIZE
8" DW	DOMESTIC WATER LINE & SIZE
8" RW	RECLAIMED WATER LINE & SIZE
	IRRIGATION SERVICE LINE & SIZE
8" NP	NON POTABLE WATER LINE & SIZE
8" SP	FIRE SPRINKLER SERVICE LINE & SIZE
→→	GATE VALVE
M	WATER METER
→FH	FIRE HYDRANT ASSEMBLY
Y FDC DC	FIRE DEPARTMENT CONNECTION
DDC	DETECTOR CHECK VALVE
RP	DOUBLE DETECTOR CHECK VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
1"	BUTTERFLY VALVE
──● '	AIR RELEASE VALVE + SIZE
• `	BLOW-OFF VALVE + SIZE

PIV

POST INDICATOR VALVE

DEMOLITION GENERAL NOTES

- SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- 2. NO BURNING OR BLASTING SHALL BE PERMITTED. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE
- PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- 6. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS
- EXTEND.
- NOTED OTHERWISE.
- FROM DAMAGE DURING CONSTRUCTION.
- 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.

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

GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS

4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A

5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.

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 UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN

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 DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

7. 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

8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY

9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED

10. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN

APPLICATION.

1. 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.



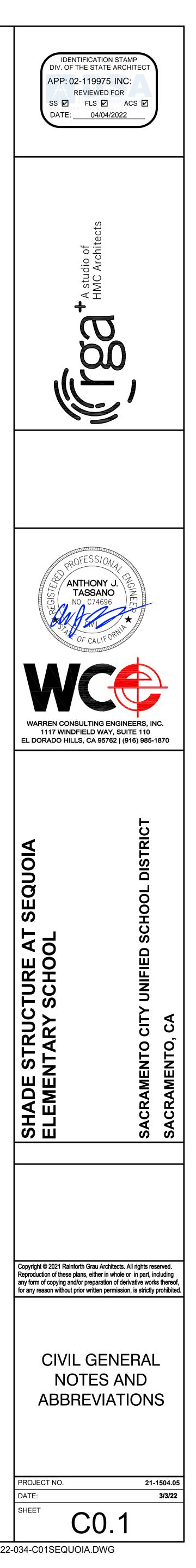
- 2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. 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 CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- 7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY. OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- 8. 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.
- 9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK .. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
- 10. 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.
- 11. 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.
- 12. 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.
- 13. 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
- 14. 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.
- 15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS. 16. 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. 17. 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.
- 18. 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.
- 19. 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.
- 20. 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 SLAB CONSTRUCTION.
- 21. 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.
- 22. 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.
- 23. 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.

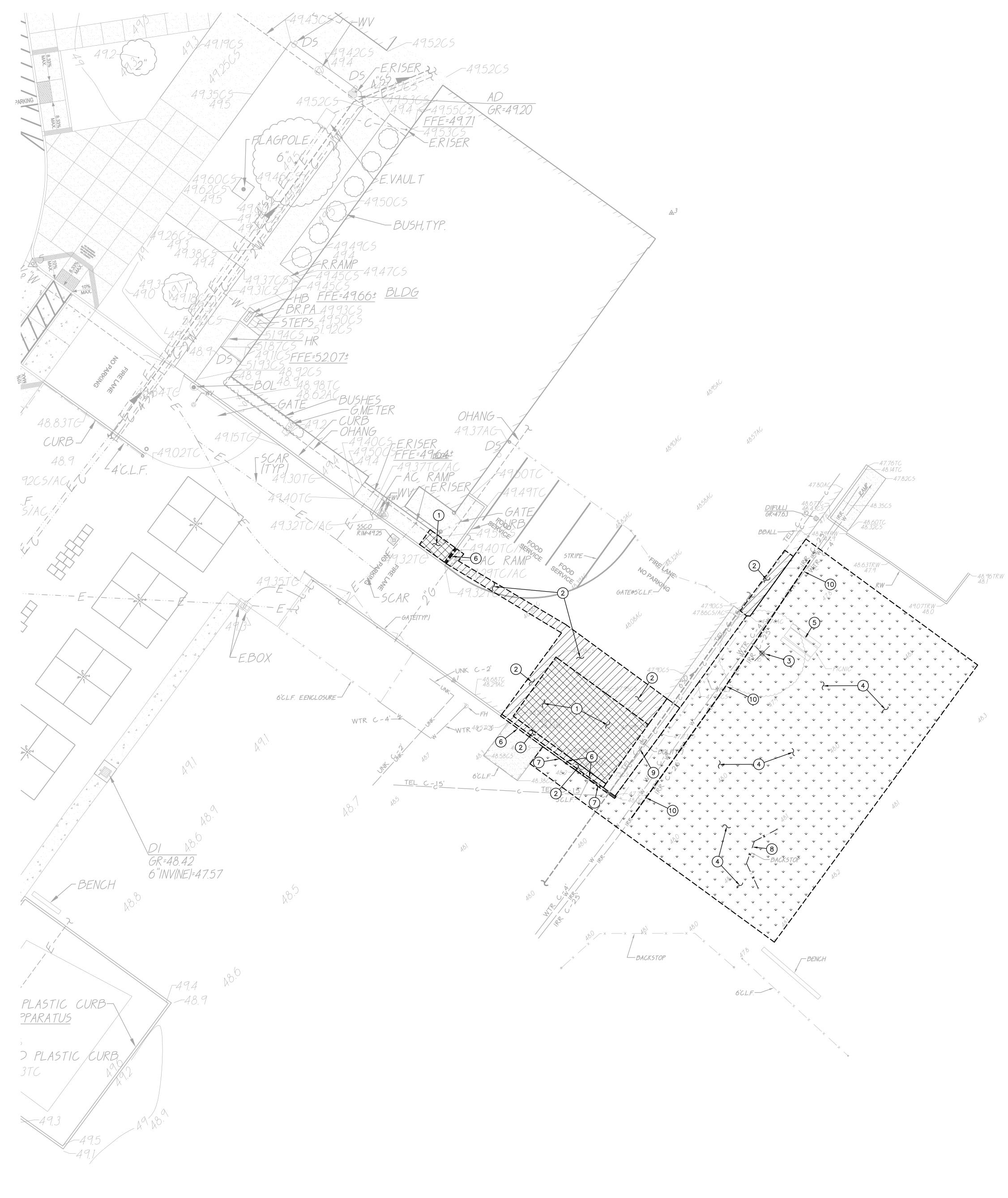
GENERAL PAVING SURFACE NOTES:

- 1. 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.
- 2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS 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

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





- DEMOLITION NOTES **KXXX** 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. $P \overline{777}$ 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. Ĺ∠∠∠⊿ 3. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS. 4. REMOVE AND DISPOSE OF EXISTING LANDSCAPING, TURF AND 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 TURE AREAS TO REMAIN ┢╧╴═╸╵╧╴╺═┛ TURF AREAS TO REMAIN. 5. REMOVE AND DISPOSE OF EXISTING CONCRETE PAD AND
 - BENCH.

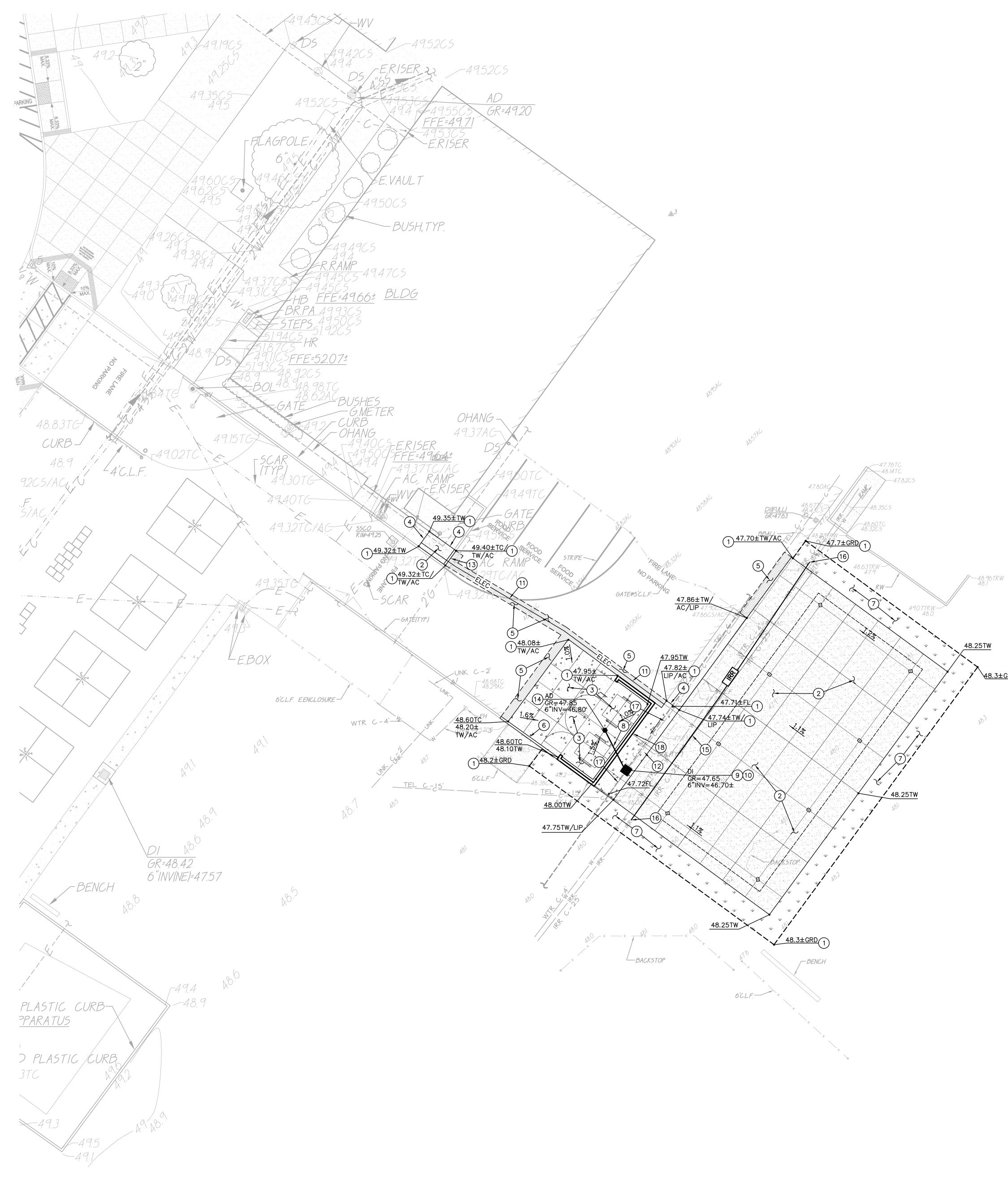
6. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO

- EXTENT SHOWN.
- REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE TO EXTENT SHOWN.
- 8. REMOVE AND DISPOSE OF EXISTING BACKSTOP.
- 9. REMOVE AND DISPOSE OF EXISTING CONCRETE VALLEY GUTTER TO EXTENT SHOWN.
- 10. REMOVE AND DISPOSE OF EXISTING IRRIGATION PIPE TO EXTENT SHOWN.

GRAPHIC SCALE (IN FEET

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

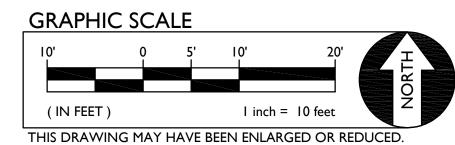


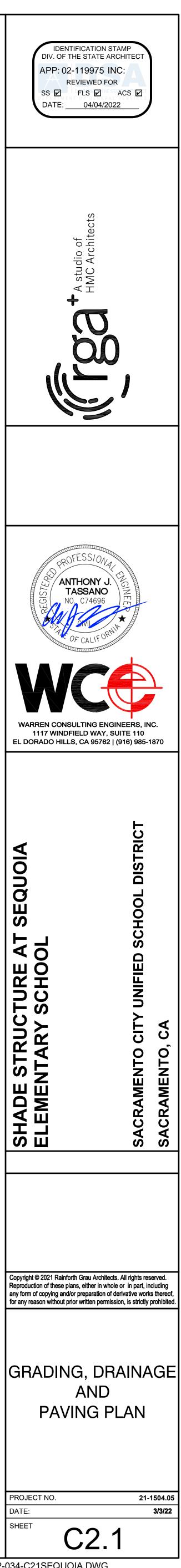


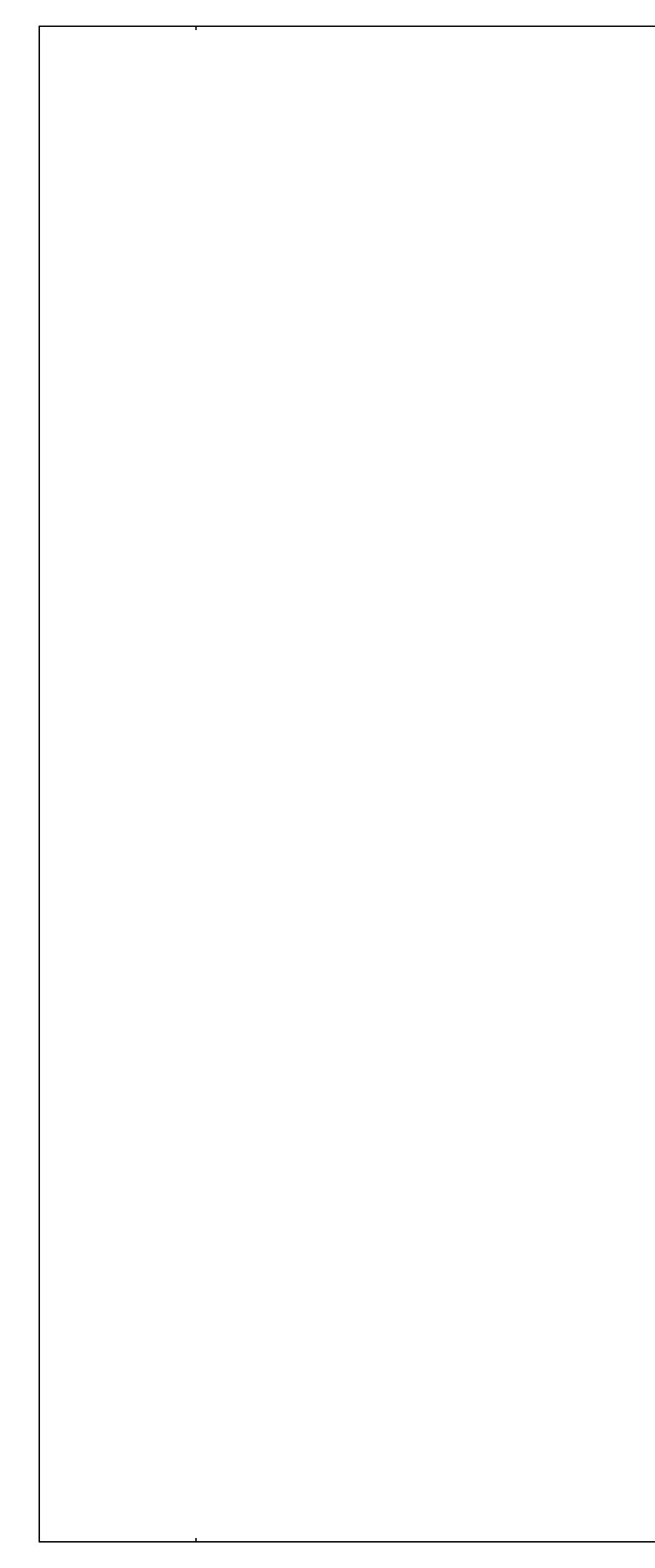
SUBGRADE PREPARATION 1. FOLLOWING SITE DEMOLITION ACTIVITIES: EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVEMENT SHALL BE COMPACTED TO 95 PERCENT. CONSTRUCTION NOTES 1. 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. CONSTRUCT CONCRETE SIDEWALK PER PLACE 6"PCC WITH #4 REBAR AT 24" O.C.E.W. 4 · 4. 1 OVER 16" CL2 AGGREGATE BASE ON COMPACTED SUBGRADE. 4. DOWEL INTO EXISTING CONCRETE PER PLACE 3"AC OVER 16"AB ON COMPACTED SUBGRADE. 6. CONSTRUCT CONCRETE CURB PER $\begin{pmatrix} 2 \\ C3.1 \end{pmatrix}$ 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 · ↓ | 7. \checkmark PROPER COVERAGE. 8. PLACE 6" STORM DRAIN PER C3. 9. CONSTRUCT DROP INLET PER C3.1 10. CONNECT TO EXISTING STORM DRAIN. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION. 11. REFER TO ELECTRICAL PLANS FOR CONDUIT PLACEMENT AND $\sqrt{5}$ DETAILING. PATCH BACK PAVING PER DETAIL C3.1 12. CONSTRUCT CONCRETE VALLEY GUTTER PER-C3113. CONSTRUCT FLUSH CONCRETE CURB PER 14. CONSTRUCT AREA DRAIN PER $\begin{pmatrix} 8 \\ C3.1 \end{pmatrix}$ 15. PLACE IRRIGATION PIPE. SIZE TO MATCH EXISTING LINE \int_{-7}^{-7} SIZE 16. CONNECT TO EXISTING IRRIGATION PIPE. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION. 17. PLACE 2-SACK CONCRETE SLURRY FROM TOP OF EXISTING ELECTRICAL CONDUIT TO 6" MIN. ABOVE PIPE, EXTENDING 6" ON EITHER SIDE OF PIPE.

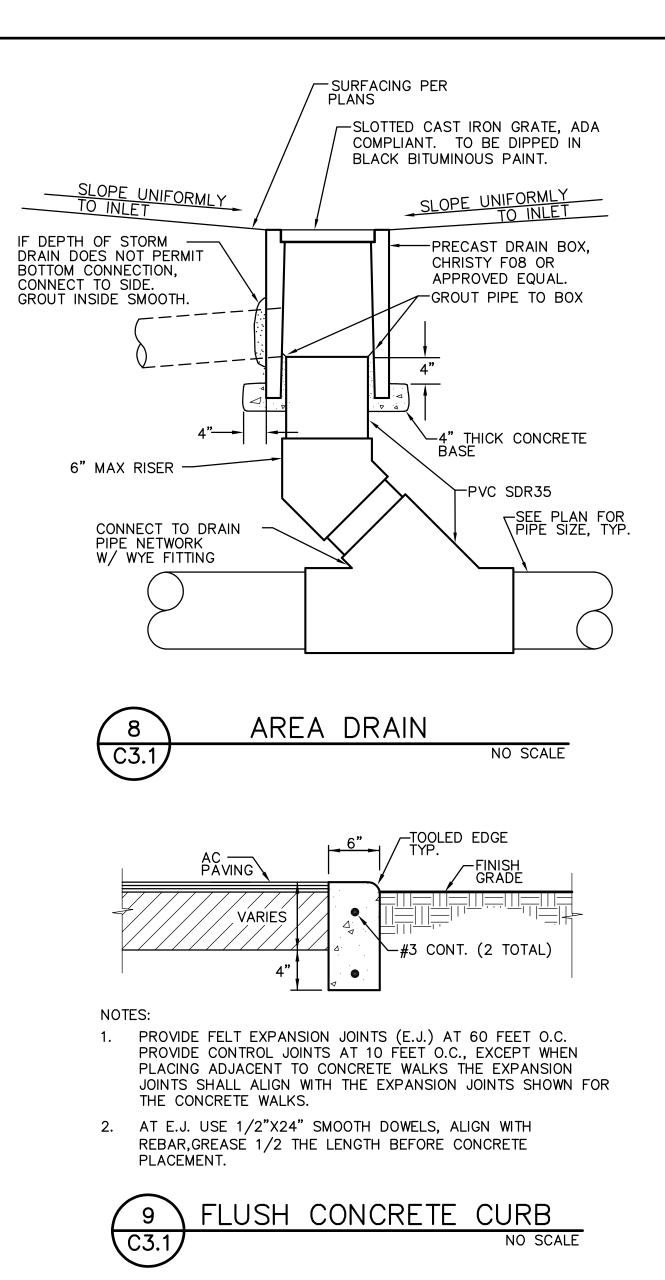
18. CONSTRUCT TRASH ENCLOSURE WALL PER $\begin{pmatrix} 10 \\ A1.1.1 \end{pmatrix}$

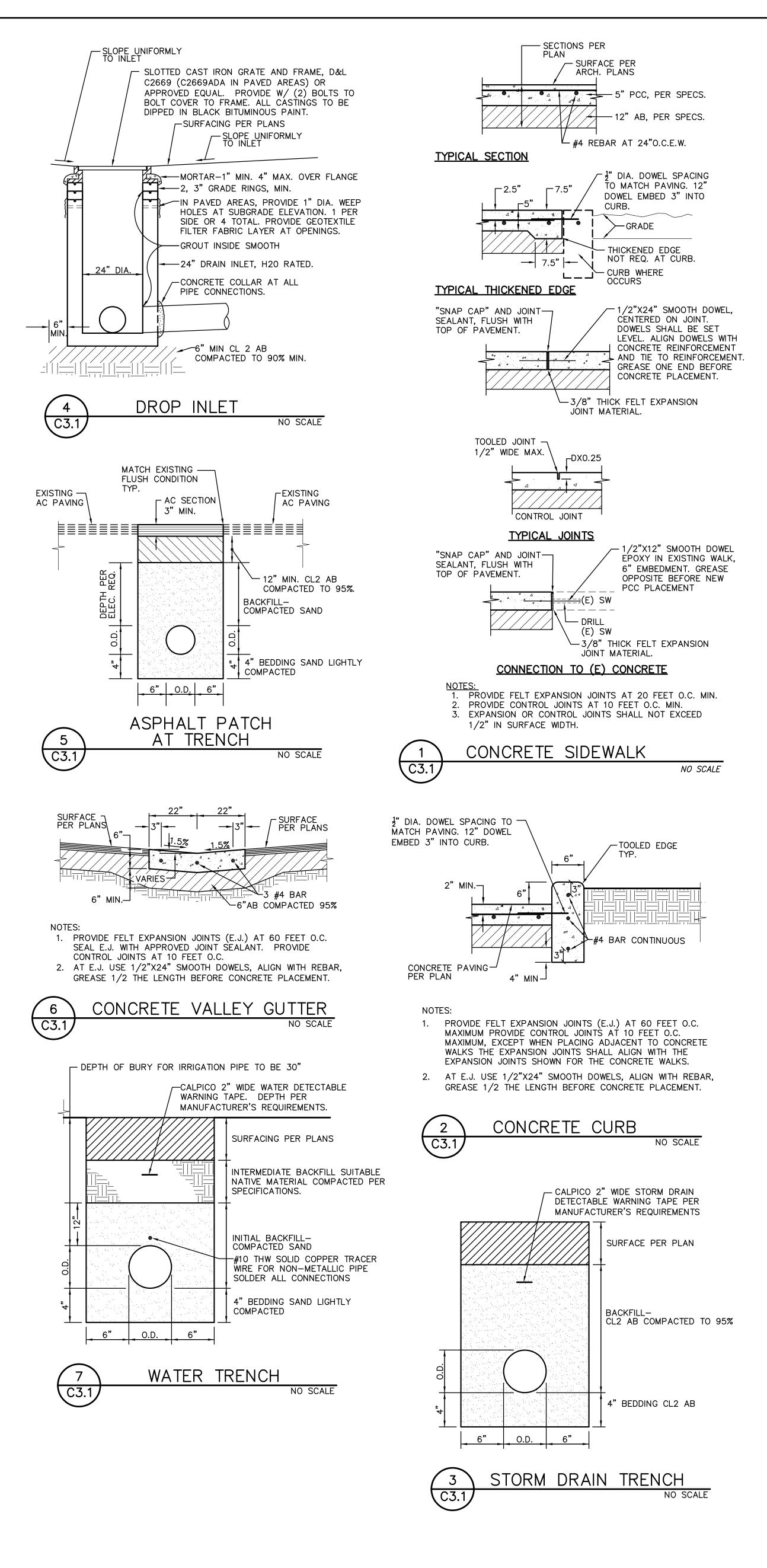
48.3±GRD (1)

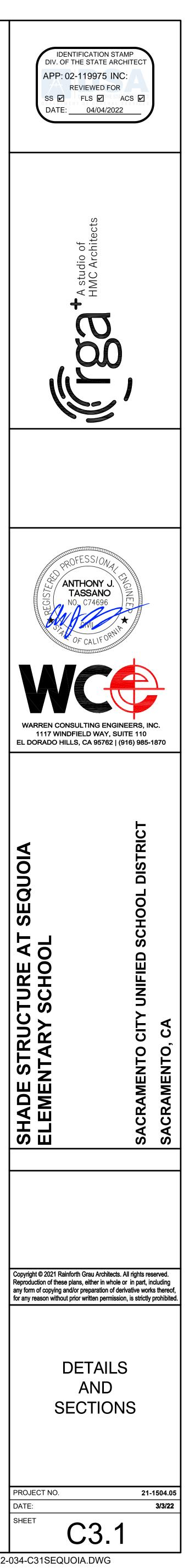


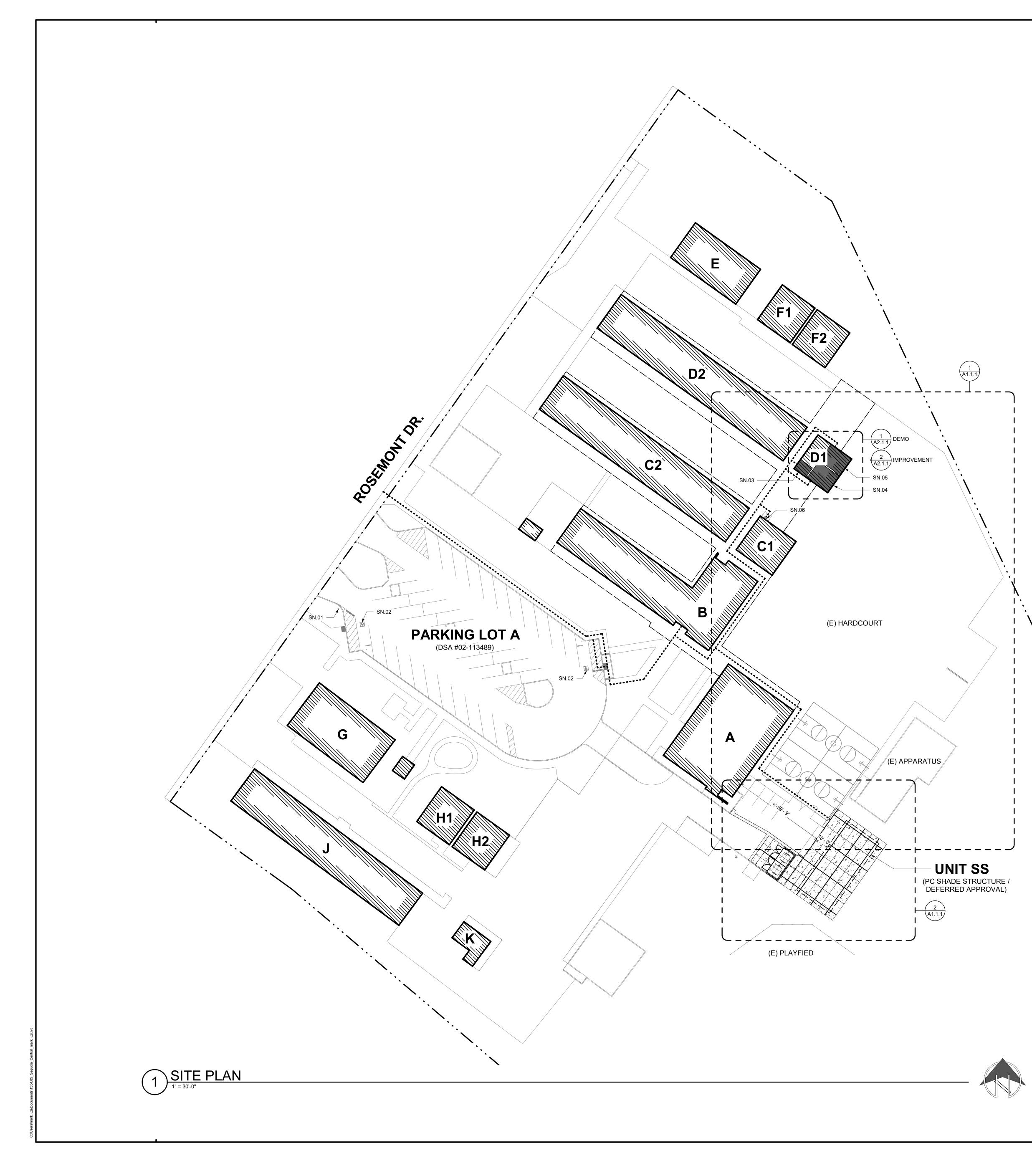












	PROPOSED SHADE STRUCTURE						
UNIT	DESCRIPTION	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA (TABLE 506.2)	ACTUAL AREA	OCCUPANCY CALCULATION	
SS	SHADE STRUCTURE	A-3	V-B NON-SPRINKLERED	6,000 S.F.	1,920 S.F.	1,920 S.F. / 15 NET = 128 OCC.	

	<u>E</u>	XISTING BUILDING DESIGN	IATIONS	
UNIT	DESCRIPTION	DSA APPLICATION #	AREA (SF)	NOTES
А	MULTIPURPOSE	14113	5,027	OCCUPANCY: A-3 CONSTRUCTION: V-B
В	ADMINISTRATION	14113	5,450	
C1-C2	CLASSROOMS / TOILET ROOMS	14113, 02-102135	6,324	
D1-D2	CLASSROOMS / TOILET ROOMS	14113, THIS APPLICATION	6,262	
Е	RELOCATABLE CLASSROOMS	-	960 EACH	
F1-F2	RELOCATABLE CLASSROOMS	-	960 EACH	
G	RELOCATABLE CLASSROOMS	02-104649	960 EACH	
H1-H2	RELOCATABLE CLASSROOMS	51735	960 EACH	
J	RELOCATABLE CLASSROOMS	28948, 15050	960 EACH	
К	TOILET ROOMS	02-102135	447	

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

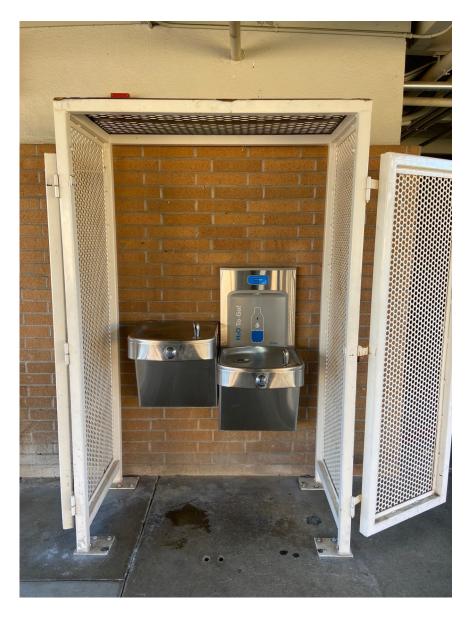
2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED 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-CONFORMING 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: ACCESSIBLE PARKING STALLS REQUIRED ACCESSIBLE STALLS: REQUIRED VAN ACCESSIBLE STALLS: ACCESSIBLE STALLS PROVIDED:

44 STALLS (TABLE 11B-208.2) 2 (26-50 TOTAL STALLS) 1 (1-6 ACCESSIBLE STALLS)

2 VAN





(2)(E) DRINKING FOUNTAIN

	()	Ε	N	D
_	•	•	_	-	PROP

	PROPERTY LINE
	ASSUMED PROPERTY LINE
	NIT DESIGNATION PC SHADE STRUCTURE / DEFERRED AP
	IT DESIGNATION
X.3	EXISTING BUILDINGS
— EX	PANSION JOINT
	CONCRETE WALK / PAVING
co	ONTROL JOINT
$(x_1, x_2, \dots, x_{n-1}) = (x_1, \dots, x_{n-1}) =$	ASPHALT CONCRETE PAVING

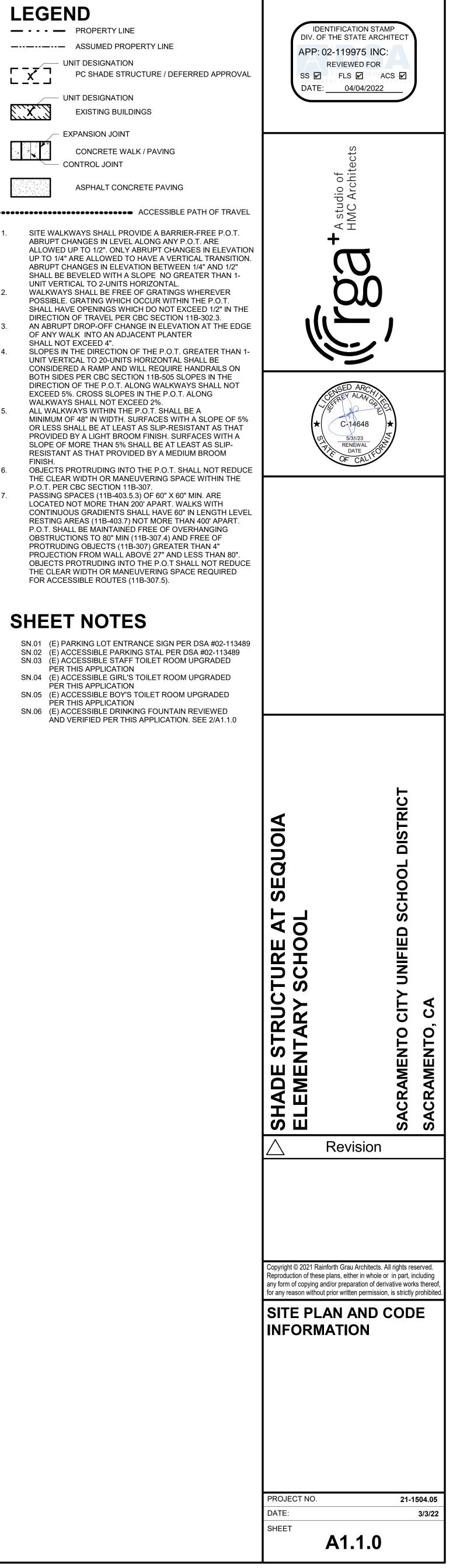
1. SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2". ONLY ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1-UNIT VERTICAL TO 2-UNITS HORIZONTAL. WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATING 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-UNIT VERTICAL TO 20-UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 11B-505 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%.

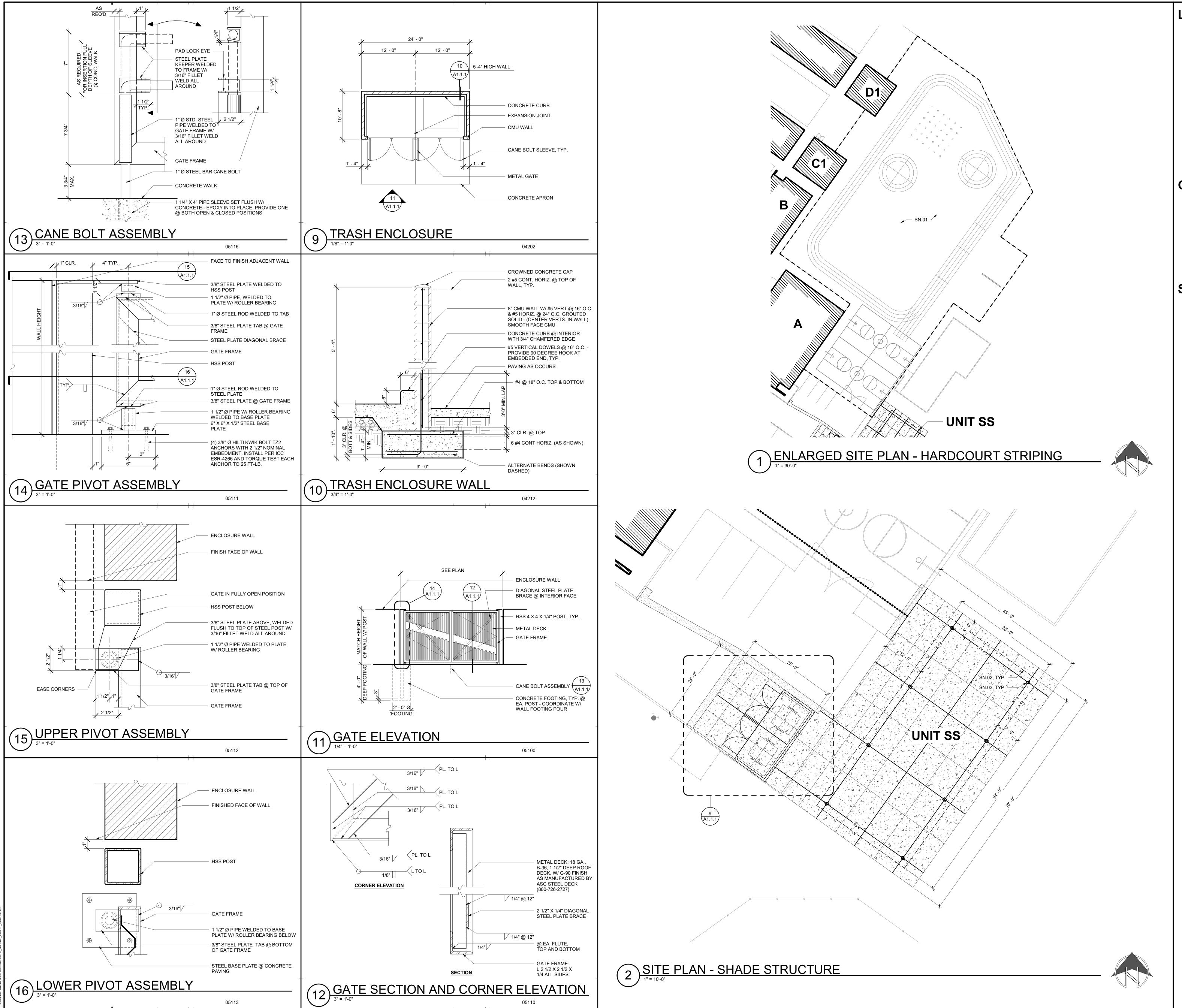
ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF 5% OR LESS SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A LIGHT BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 5% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH OBJECTS 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

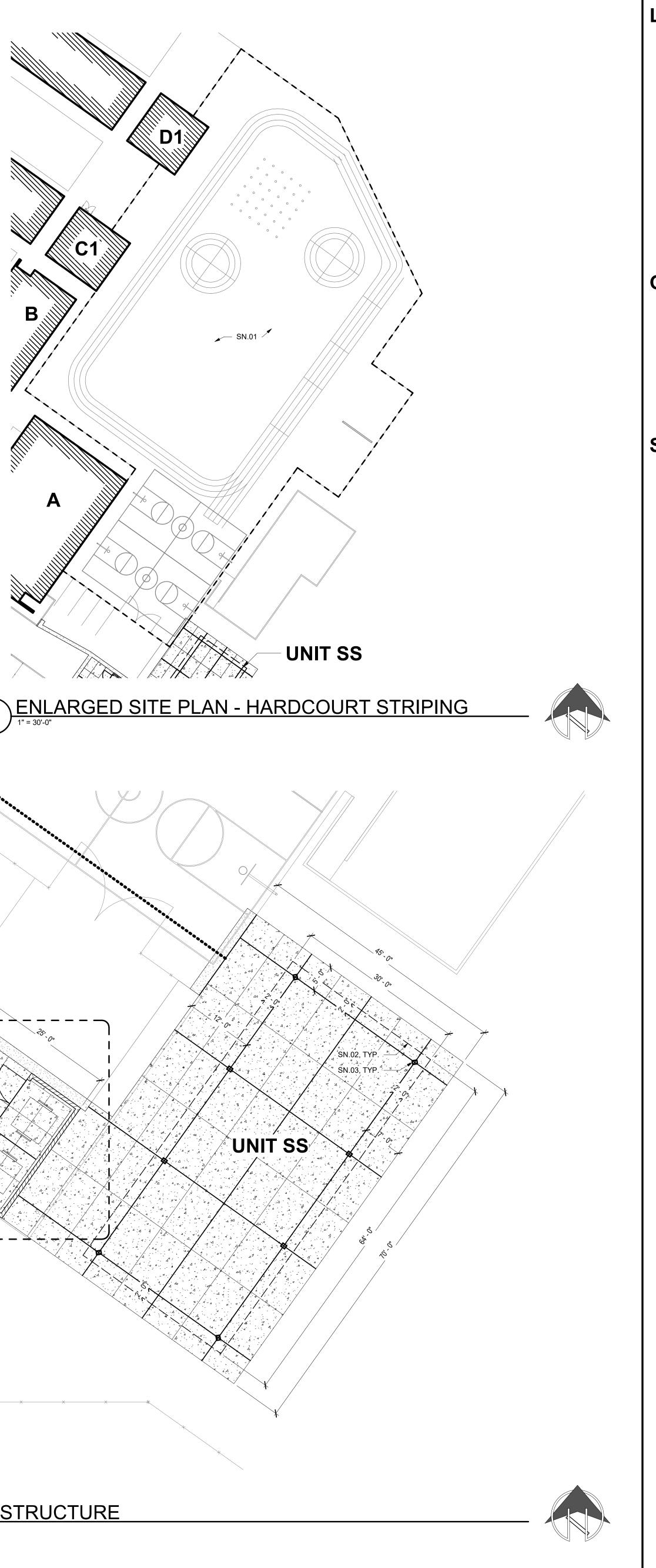
LOCATED NOT MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE 60" IN LENGTH LEVEL RESTING AREAS (11B-403.7) NOT MORE THAN 400' APART. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN (11B-307.4) AND FREE OF PROTRUDING OBJECTS (11B-307) GREATER THAN 4" PROJECTION FROM 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 PER DSA #02-113489 SN.02 (E) ACCESSIBLE PARKING STAL PER DSA #02-113489 SN.03 (E) ACCESSIBLE STAFF TOILET ROOM UPGRADED SN.03 (E) ACCESSIBLE STATE FOLLET ROOM OF GRADED PER THIS APPLICATION
 SN.04 (E) ACCESSIBLE GIRL'S TOILET ROOM UPGRADED PER THIS APPLICATION
 SN.05 (E) ACCESSIBLE BOY'S TOILET ROOM UPGRADED PER THIS APPLICATION SN.06 (E) ACCESSIBLE DRINKING FOUNTAIN REVIEWED AND VERIFIED PER THIS APPLICATION. SEE 2/A1.1.0







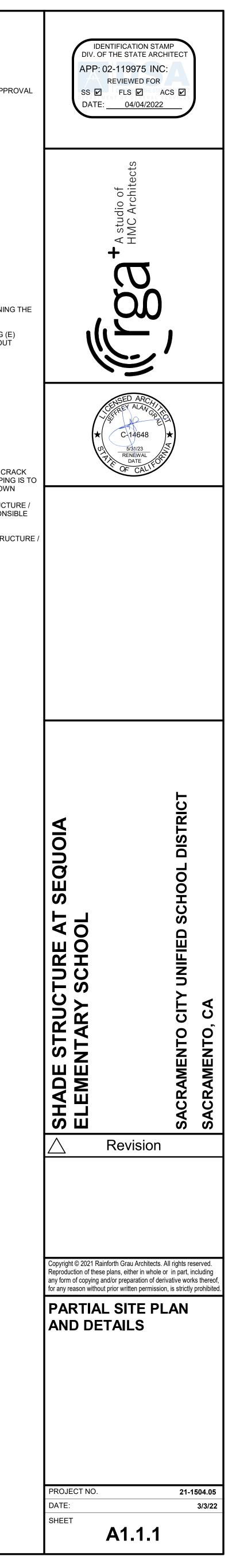
LEGEND ----- PROPERTY LINE ----- ASSUMED PROPERTY LINE - UNIT DESIGNATION PC SHADE STRUCTURE / DEFERRED APPROVAL - UNIT DESIGNATION EXISTING BUILDINGS - EXPANSION JOINT CONCRETE WALK / PAVING CONTROL JOINT ASPHALT CONCRETE PAVING

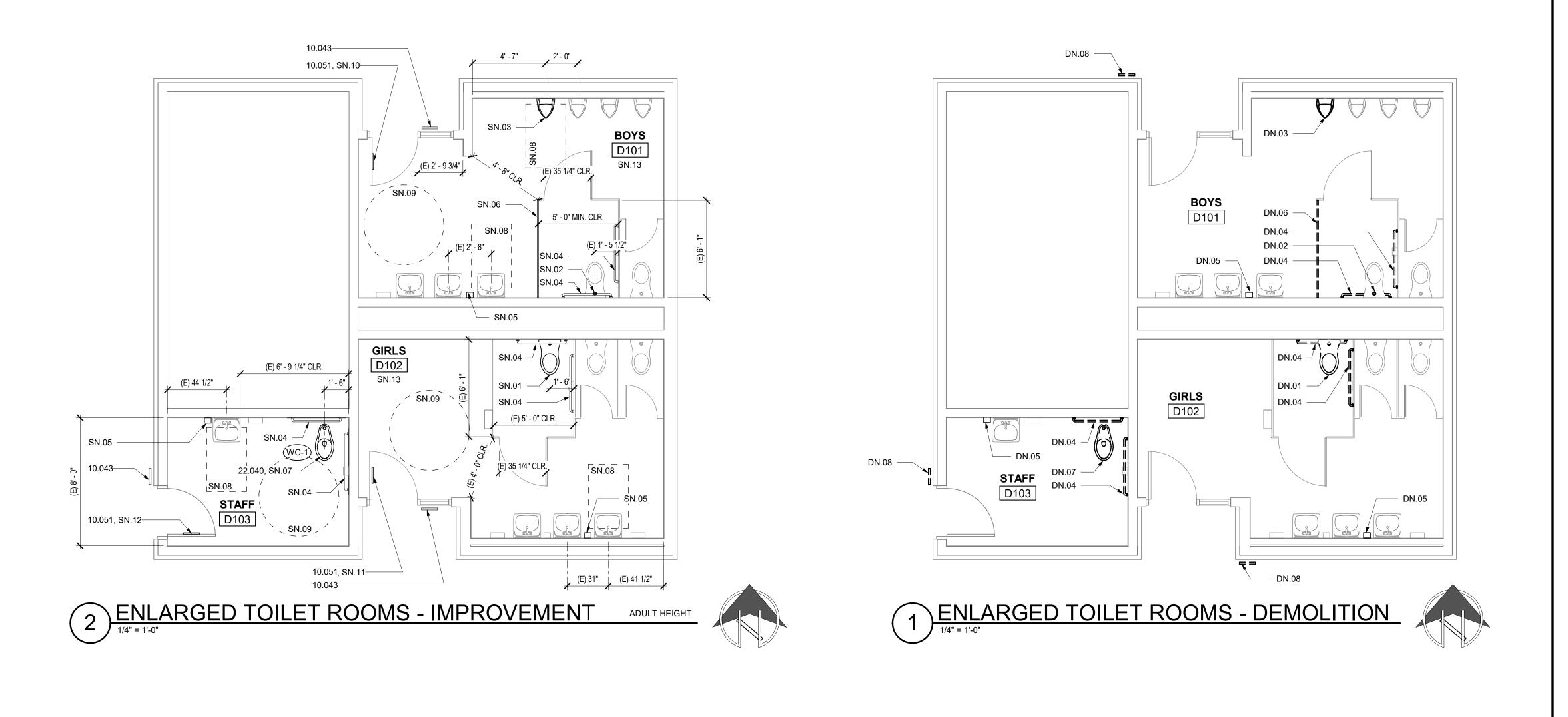
GENERAL NOTES

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 RESTRIPED 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 RESTRIPED 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

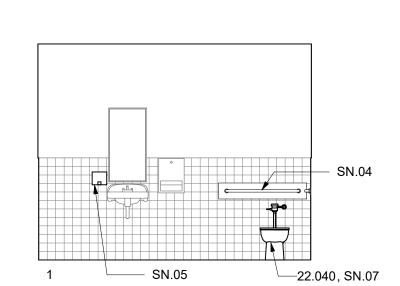


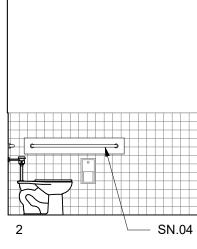


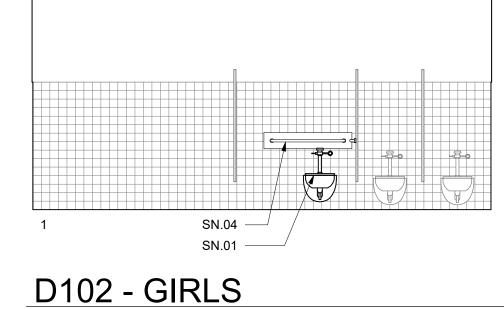
3 PLUMBING FIXTURE SCHEDULE

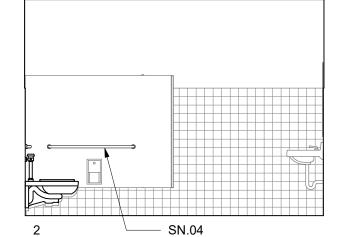
	PLUMBING FIXTURE SCHEDULE - BASIS OF DESIGN						UTILITY CONNECTIONS							
SYMBOL	FIXTURE	DESCRIPTION	NOTES	VENT	WA: BRANCH	STE OUTLET	COLD BRANCH	WATER OUTLET	HOT V BRANCH	VATER OUTLET				
<u>WC-1</u> (ADA)	WATER CLOSET FLUSH VALVE FLOOR MTD	"KOHLER" HIGHCLIFF ULTRA, MODEL K-96057, OR EQUAL, VITREOUS 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"						

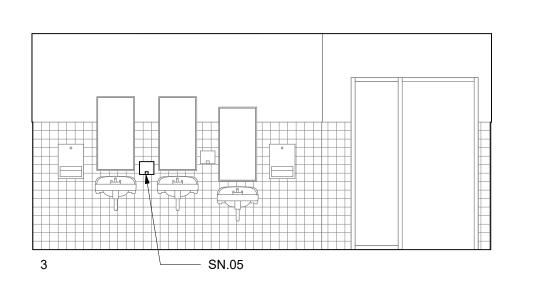
D103 - STAFF





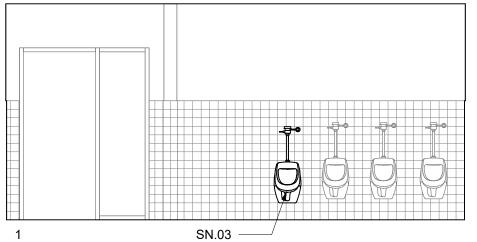


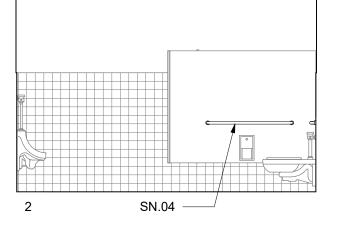


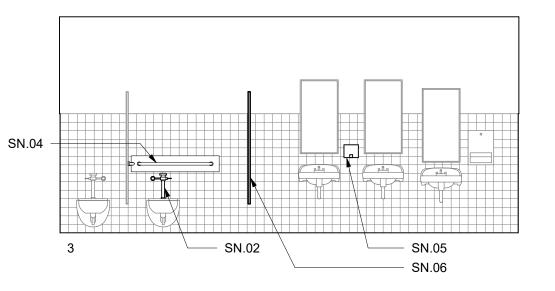


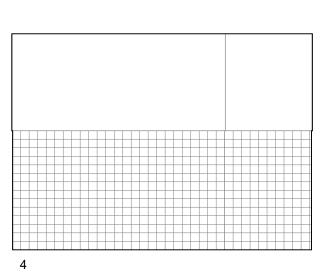


1/4" = 1'-0"

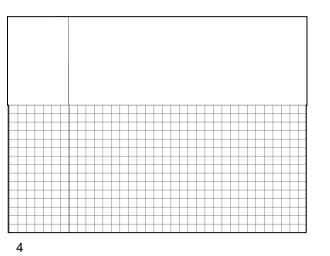




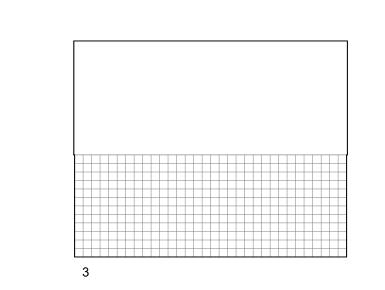


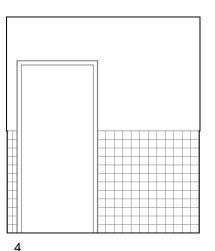


ADULT HEIGHT



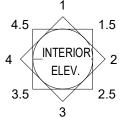
ADULT HEIGHT





ADULT HEIGHT

LEGEND



CONSECUTIVE NUMBERING CONVENTION FOR INTERIOR ELEVATIONS AND ROOM FINISHES.

GENERAL NOTES

- 1. FOR MOUNTING HEIGHTS, LOCATIONS, AND DETAILS, INCLUDING THOSE FOR DISABLED ACCESSIBITY, REFER TO SHEET A0.2
- 2. PROTECT ALL ADJACENT SURFACES, ITEMS AND FINISHES NOT NOTED TO BE DEMOLISHED.
- 3. 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.
- 5. 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 S
	FOR REINSTALLATION
DN.02	REMOVE (E) FLUSH VALVE AT (E) WATER CLOSET
DN.03	REMOVE (E) URINAL AND SALVAGE FOR REINSTALLA
DN.04	REMOVE (E) GRAB BARS AND SALVAGE FOR REINST
DN.05	REMOVE (E) SOAP DISPENSER AND SALVAGE FOR
	REINSTALLÁTION

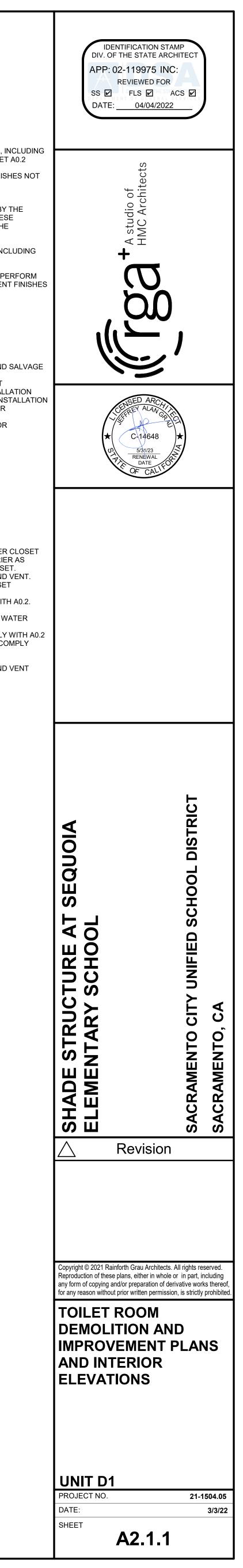
- DN.06 REMOVE (E) TOILET PARTITION AND SALVAGE FOR REINSTALLATION
- DN.07 REMOVE (E) FLOOR-MOUNTED WATER CLOSET DN.08 REMOVE (E) TOILET ROOM I.D. SIGN

SHEET NOTES

SN.01	REINSTALL (E) SALVAGED WALL-MOUNTED WATER CL TO COMPLY WITH A0.2. ADJUST (E) WATER CARRIER A REQUIRED FOR RECONNECTION TO WATER CLOSET. RECONNECT TO (E) WATER LINE, WASTE LINE AND VE
SN.02	
SN.03	REINSTALL (E) SALVAGED URINAL TO COMPLY WITH A ADJUST (E) WATER CARRIER AS REQUIRED FOR RECONNECTION TO URINAL. RECONNECT TO (E) WAT LINE, WASTE LINE AND VENT.
SN.04	REINSTALL (E) SALVAGED GRAB BARS TO COMPLY WI
SN.05	REINSTALL (E) SALVAGED SOAP DISPENSER TO COMF WITH A0.2
SN.06	REINSTALL (E) SALVAGED TOILET PARITION
SN.07	RECONNECT TO (E) WATER LINE, WASTE LINE AND VE
SN.08	30" X 48" CLEAR SPACE
SN.09	60" 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

KEYNOTES

10.043 SIGNAGE: TOILET ROOM IDENTIFICATION10.051 SIGNAGE: TOILET ROOM DOOR SYMBOL22.040 WATER CLOSET



ARC ENERGY REDUCTION AMP FRAME ADVE FINANED FLOOR AMP TRESS INTERNUTING CAPACITY AMP TRESS INTERNUTING CAPACITY BEAKER BOLOTO BELOW FINISHED CELLING BEAKER BOOSTER POWER SUPPLY CONTRACTOR FURSHED, CONTRACTOR FURSHED, DESTING FUECTION FUEL CARENT FUEL CALL WATER COOLER FUTURE FUTURE FUEL CALL WATER COOLER FUTURE FUEL ALARM CONTROL PANEL FUEL CONTROL FANEL FUEL CONTROL FANEL FUEL CALL WATER COOLER FUEL CALL CAN FUEL COOL TO FUEL ALARM CITEMORE FANEL FUEL CALL CAN FUEL FUEL CALL CAN FUEL FUEL CALL CAN FUEL FUEL CALL CALL CONDUIT FUEL ALARM CITEMORE FANEL FUEL FUEL CALL CONDUIT FUEL ALARM CITEMORE FANEL FUEL FUEL CALL CONDUIT FUEL ALARM CITEMORE FANEL FUEL FUEL CALL CONDUIT FUEL CALLOR CONTROL FANEL FUEL FUEL CALLOR CONDUIT FUEL CALLOR CONTROL FANEL FUEL FOR FUEL FANEL FUEL FOR FUEL FANEL FUEL FOR FUEL FANEL FUEL FUEL CALLOR CONDUIT FUEL CALLOR CONTROL FANEL FUEL FUEL FUEL FUEL FANEL FUEL FOR FUEL FANEL FUEL FUEL FUEL FUEL FUEL FUEL FUEL FUEL	RK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER AS PRESCRIBED BY THE SCHOOL'S REPRESENTATIVE. I EXISTING EQUIPMENT AND FURNISHINGS FROM ANY DAMAGE DUE TO DUST, MOISTURE OR CONTACT WITH WORK CREW OR MATERIALS. HOOL SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY POWER SHUTDOWN OF EXISTING PANELS OR SERVICE. LE OF SHUTDOWNS SHALL BE AT CONVENIENCE OF THE SCHOOL MAY, AT THEIR OPTION, HAVE A REPRESENTATIVE PRESENT SHUTDOWN SHALL BE AT CONVENIENCE OF THE SCHOOL MAY, AT THEIR OPTION, HAVE A REPRESENTATIVE PRESENT SHUTDOWN, ALL WORK REQUIRING SHUTDOWNS OF EXISTING PANELS OR SERVICE SHALL BE DONE BETWEEN 12:00 AM MIDNIGHT AND 6:00A YS OR ON SATURDAY AND SUNDAY. REQUIRED SHUTDOWNS SHALL BE KEPT TO A MINIMUM. TELY STRAP AND SUPPORT ALL CONDUIT WORK PER CEC. IN GENERAL, SUPPORT ALL CONDUIT WITHIN THREE FEET (3') OF OUTLET BOX, OR PANEL AND MAXIMUM TEN FEET (10') ON CENTER THEREAFTER. PRE SHALL BE 1" DIAMETER LARGER THAN EACH CONDUIT. SPACE CONDUIT HOLES 3" APART. SEAL AROUND CONDUIT WITH NON-SHRINK, TALLIC GROUT. INDUCTORS INSTALLED IN PANELBOARDS SHALL BE TRAINED, LACED, AND INSTALLED WITH PHASE TAPE ON ALL CONDUCTORS. REVICES (LE. RECEPTACLES, ETC.) ON EACH COVER PLATE IDENTIFYING CIRCUIT AND PANEL DEVICE IS CONNECTED TO. NLL EXTERIOR AND INTERIOR SURFACES OF PANELS AND ALL MATERIAL AND METAL SHAVINGS FROM PANEL AND CABINET INTERIORS. ALL SHALL BE SEALED AND APPLY TOUCH-UP SPRAY PAINT WHERE NEEDED. DORDINATE DEVICE LOCATIONS PRIOR TO ROUGH-IN. CTOR WILL PROVIDE WARNING LABELS NOTING THE POTENTIAL FOR ELECTRIC ARC FLASH HAZARDS PER CEC 110.16. PROVIDE LABELS ON NT SUCH AS SWITCHBOARDS, SWITCHBOARD, JUSCONNECTS, ETC PROVIDE WARNING LABELS BY BRADY, MODEL NO. 101517, OR EQUAL, ON NT. ATION SHALL COMPLY WITH CEC 210.4 – EACH MULTIWIRE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMMUNATION ATION SHALL COMPLY WITH CEC 210.4 – EACH MULTIWIRE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMMUNATION ATION SHALL COMPLY WITH CEC 210.4 – EACH MULTIWIRE BRANC
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EVENING LIGHT12. INSTAL DISCOUPTELECTRICMETALLIC TUBINGELECTRICAL METALLIC TUBING13. SUPPOEND OF LINE DEVICE13. SUPPOEQUIPMENT14. SEAL (EXISTING RELOCATEDELECTRICAL WATER HEATERPERIMEFUTUREELECTRICAL WATER HEATERFUTUREFIRE ALARM CONTROL PANELFIRE ALARM CONTROL PANEL15. CONDU FRE ALARM KENTMAL CABINETFIRE ALARM CONTROL PANEL16. SPLICE INSPECFOOTCONDE CAUGEGROUND FAULT CIRCUIT INTERRUPTTTPETGROUND FAULT CIRCUIT INTERRUPTTTPETGROUND FAULT CIRCUIT INTERRUPTWITH D SIZE SGROUND FAULT CIRCUIT INTERRUPTTTPETGROUND FAULT CIRCUIT INTERRUPTWITH D SIZE SGROUND FAULT CIRCUIT INTERRUPTTTPETGROUND FAULT CIRCUIT CONDUIT18. COORDHICH INTENSITY DISCHARGEAND A HORY CIRCUIT CURRENTHICH INTERMEDIATE METALLIC CONDUIT18. COORDINCH19. PROVIDSHORT CIRCUIT CURRENT19. PROVIDJUNCTION BOX20. A LAMTHOUSAND CIRCULAR MILLS23. REINST HORY CIRCULAR MILLSMAIN LUGS CONTROL PANEL22. RECEPLIGHTING CONTROL PANEL22. RECEPLIGHTING CONTROL PANEL22. RECEPLIGHTING CONTROL PANEL22. RECEPLIGHTING CONTROL PANEL23. REINST HOOSAND CIRCULAR MILLSMAIN LUGS CONTROL PANEL24. FOR RIMAIN SWITCHBOARD25. FOR WNOT IN CONTRACT28. PROVING NOR FUTURE CURRENT TRANSFORMER <t< td=""><td>IECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMM _ SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED. T ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H). ONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. WHERE EQUIPMENT IS INSTALLED O</td></t<>	IECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. THEREFORE ANY CIRCUIT SHARING A COMM _ SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED. T ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H). ONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. WHERE EQUIPMENT IS INSTALLED O
ELECTRICAL METALLIC TUBING END OF LINE DEVICE 13. SUPPO END OF LINE DEVICE 13. SUPPO EQUIPMENT EXISTING RELOCATED 14. SEAL O EXISTING RELOCATED 14. SEAL O EXISTING RELOCATED 15. CONDUIT RELECTRICAL WATER COOLER PAREL 15. CONDU FIRE ALARM EXTENDER PAREL 15. CONDU FIRE ALARM ETENIDER PAREL 16. SPLICE FURNESED BY OTHERS 16. SPLICE GROUND FAULT CIRCUIT INTERRUPT 17. INSTAL METALLIC GAS PIPE 17. INSTALLIC CONDUIT 18. COORD NICH OLARD MILLS 21. PROVID INCH 10. INCOL PANEL 22. RECEP THOUSAND CIRCULAR MILLS 21. PROVID KILOWATT 11. PROVID KILOWATT 11. PROVID 17. INSTALLED 22. RECEP THOUSAND CIRCULAR MILLS 23. REINST MECHANICAL 92. FOR W MAIN LUGS ONLY 24. FOR RI MAIN DISTRIBUTION PANEL 92. FOR W MAIN MEET TRICAL SECTION OF THESE 26. PROVID PLANS & SPECS. 27. DRAMM AND SWICHEDBARD 25. FOR W NOW NET FURINSHED, CONTRITACTOR 28. MAINT AND S NUMBER 10. NONFRE FURINSHED, CONTRITACTOR 28. MAINT AND S NOT TO SCALE 7. DRAMM AND SWICHEDBARE PROVISION FOR FUTURE BEAKER W/ MOUNTING HARDWARE PROVISION FOR FUTURE BEAKER W/ MOUNTING HARDWARE PRIVARY DAYLIT ZONE PANEL PROVISION FOR FUTURE BEAKER W/ MOUNTING HARDWARE PRIVARY DAYLIT ZONE PANEL PAIR POLYNYL CHLORIDE CONDUIT RECORTE / RELOCATED / RELOCATED REQUIRED 7. ONDIT	- SHALL BE CAPABLE OF SIMULTANEOUS DISCONNECT OR DEDICATED NEUTRALS SHALL BE INSTALLED. T ENCLOSURES, BOXES AND CONDUIT INSTALLATIONS PER CEC 314.23 (A) THROUGH (H). ONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. WHERE EQUIPMENT IS INSTALLED O
END OF LINE DEVICE 13. SUPPO EQUIPMENT EQUIPMENT EXISTING RELOCATED 14. SEAL C ELECTRICAL WATER COOLER ELECTRICAL WATER COOLER ELECTRICAL WATER COOLER ELECTRICAL WATER COOLER ELECTRICAL WATER COOLER ELECTRICAL WATER COOLER ELECTRICAL WATER COOLER FUTURE FUTURE FIRE ALARM CENTINAL CABINET FIRE ALARM CENTINAL CABINET FIRE ALARM TENNIAL CABINET FURISHED BY OTHERS 16. SPLICE GOUND FAULT CIRCUIT INTERRUPT GROUND FAULT CIRCUIT INTERMEDIATE METALLIC CONDUIT INCH HEIGT INCH HEIGT THOUSAND CIRCULAR MILLS LIGHTING CONTROL PANEL LOW VOLTAGE THOUSAND CIRCULAR MILLS LIGHTING CONTROL PANEL LOW VOLTAGE THOUSAND CIRCULAR MILLS UGHTING CONTROL PANEL LOW VOLTAGE THOUSAND CIRCULAR MILLS UGHTING CONTROL PANEL LOW VOLTAGE THOUSAND CIRCULAR MILLS SIGCATED MAIN DISTRIBUTION PANEL MAIN DISTRIBUTION PANEL MAIN DISTRIBUTION PANEL MAIN DISTRIBUTION PANEL MAIN DISTRIBUTION PANEL MAIN SWITCHBOARD MISCELLANEOUS MAIN SWITCHBOARD MISCELLANEOUS MIGHT MAIN SWITCHBOARD MISCELLANEOUS MONT IN CONTRACT NOT IN CONTRACT NOT IN CONTRACT PROVINSION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PRIMARY DAYLIT	ONDUIT OPENINGS THROUGH WALLS AND CEILINGS. INSTALL ESCUTCHEON PLATES AT BUILDING INTERIOR. WHERE EQUIPMENT IS INSTALLED O
ELECTRICAL WATER COOLER ELECTRIC WATER HEATER FUTURE FUTURE FUTURE FUTURE FUTURE FUTURE FUTURE FUTURE FURNESCENT FU	
FUTURE FURNAL CARNET FIRE ALARM EXTENDER PANEL FIRE ALARM EXTENDER PANEL FIRE ALARM EXTENDER PANEL FURNSHED BY OTHERS FURNSHED BY OTHERS FURNSHED BY OTHERS FURNSHED BY OTHERS FURNSHED BY OTHERS FURNSHED BY OTHERS FURNSTED FURNSTED, CONTRACT NOT IN CONTR	ER EDGE OF THE EQUIPMENT ENCLOSURE BETWEEN THE ENCLOSURE AND BUILDING.
FIRE ALARM TERMINAL CABINETFIRE ALARM TERMINAL CABINETFURNISHED BY OTHERSFLUORSCENTFOOTGAUGEGAUGEGROUND FAULT CIRCUIT INTERRUPTGROUND FAULT CIRCUIT SUSCESSHIGH INTENSITY DISCHARGEHIGH INTENSITY DISCHARGEHIGH STATEMEDIATE METALLIC CONDUITINTERMEDIATE METALLIC CONTROL PANELJUNCTION BOXJUNCTION BOXJUNCTION BOXJUNCTION PANELMECHANICALMENAND CONTROL PANELMECHANICALMAIN DOINT OF ENTRYMAIN DOINT OF ENTRYMAIN SWITCHBOARDNOT IN CONTRACTNOT IN CONTRACTNOT IN CONTRACTNOT IN CONTRACTNOT NOT SCALEOWNER FURNISHED, CONTRACTORONCENTEROWNER FURNISHED, CONTRACTORNOT IN CONTRACT <td>S INSTALLED ON ROOF AND BUILDING EXTERIOR SHALL BE RIGID GALV. STEEL (HEAVY WALL) WITH THREADED FITTINGS. CONDUIT AND WALL</td>	S INSTALLED ON ROOF AND BUILDING EXTERIOR SHALL BE RIGID GALV. STEEL (HEAVY WALL) WITH THREADED FITTINGS. CONDUIT AND WALL
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GYPSUMSIZE SHIGH INTENSITY DISCHARGEAND AHORSE POWER17.1. ALHEIGHTTCINTERMEDIATE METALLIC CONDUIT18. COORDINCHSHORT CIRCUIT CURRENTSHORT CIRCUIT CURRENT19. PROVIDISOLATED20. A LAMJUNCTION BOX20. A LAMJUNCTION BOX20. A LAMTHOUSAND CIRCULAR MILLS21. PROVIDKILO VOLT AMPTHE SKILO VOLTAGE22. RECEPTTHOUSAND CIRCULAR MILLS23. REINSTKILOWATTFLOORSLIGHTING CONTROL PANEL23. REINSTMCHANICALPROVIDMAIN DISTRIBUTION PANELPROVIDMAIN DISTRIBUTION PANELPROVIDMAIN DOINT OF ENTRY24. FOR RUMAIN SWITCHBOARD25. FOR WNOT IN CONTRACT27. DRAWINNUMBERNOT TO SCALEON CENTER27. DRAWINOWNER FURNISHED, OWNER INSTALLED29. FOR INOWNER FURNISHED, OWNER INSTALLED29. FOR INPOLEPULL BOXPROVISION FOR FUTURE BREAKER W/MOUNTING HARDWAREPRIMARY DATULT ZONEPROVERPAIRPAIRPAIRPAIRPAIRPAIRPAIRPAIRPOLYINML CHLORIDE CONDUITREQUIREDREQUIREDROUMROMROUNERROUNTREQUIREDROUNTREQUIREDROUNTREQUIREDROUNTREQUIREDROUNTING HARDWAREPHASEPLAR	'MECHANICALLY FASTENED PHENOLIC NAMEPLATE WITH WHITE LETTERING ON BLACK BACKGROUND ON ALL EQUIPMENT, INCLUDING PULL BO
HORSE POWER17.1. ALHEIGHTTCHERTZTCINTERMEDIATE METALLIC CONDUIT18. COORDINCH19. PROVIDSHORT CIRCUIT CURRENT19. PROVIDISOLATED20. A LAMJUNCTION BOX20. A LAMTHOUSAND CIRCULAR MILLS21. PROVIDKILO VOLT AMP22. RECEPLIGHTING CONTROL PANEL22. RECEPLOW VOLTAGE23. REINSTMAIN DISTRIBUTION PANEL23. REINSTMECHANICAL24. FOR RCMAIN DISTRIBUTION PANELCONCEMAIN DISTRIBUTION PANELCONCEMAIN DUGS ONLY24. FOR RCMAIN DUGS ONLY24. FOR RCMAIN DUGS ONLY25. FOR WNOT IN CONTRACT26. PROVIDNOT IN CONTRACT27. DRAWINNUMBERAND SNUMBERAND SNUMBERAND SOWER FURNISHED, CONTRTRACTOR28. MAINTANUNTING HARDWAREPROVISION FOR FUTURE BREAKER W/POULPOVISION FOR FUTURE BREAKER W/MOUNTING HARDWAREPROVISION FOR FUTURE CURRENTTRANSFORMERPANEL	SCRIPTION INDICATED ON DRAWINGS. NAMEPLATES SHALL READ EXACTLY AS DESCRIBED ON THE DRAWINGS. IN GENERAL NAMEPLATE LETTE ALL BE 3/16" HIGH FOR ALL NAMEPLATES SERVING FEEDER AND BRANCH CIRCUIT BREAKERS. ON MAIN SERVICE PANEL, DISTRIBUTION PAN
HERTZ INTERMEDIATE METALLIC CONDUIT INCH INCH SHORT CIRCUIT CURRENT (RMS SYMMETRICAL) ISOLATED JUNCTION BOX THOUSAND CIRCULAR MILLS KILO WOLT AMP KILOWATT LIGHTING CONTROL PANEL LOW VOL TAGE THOUSAND CIRCULAR MILLS UGHTING CONTROL PANEL LOW VOL TAGE THOUSAND CIRCULAR MILLS MECHANICAL MAIN DISTRIBUTION PANEL MECHANICAL MAIN DISTRIBUTION PANEL MISCELLANEOUS MAIN LUGS ONLY MAIN POINT OF ENTRY MAIN SWITCHBOARD NOT IN CONTRACT NOT IN CONTRACT NOT IN ELECTRICAL SECTION OF THESE PLANS & SPECS. NIGHT LIGHT NUMBER NUMBER NUMBER NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR POLE PULL BOX PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PROMISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	_ OTHER NAMEPLATES LETTERING SHALL BE 1/4" HIGH. SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, VFD'S, MOTORS, JUNCTION BOXES, PULL BOXES, DISCONNECT SWITCHES, ETC., SHALL BE MAI
INCH III. COUND SHORT CIRCUIT CURRENT III. SHORT CIRCUIT CURRENT III. ISOLATED 20. A LAM JUNCTION BOX 20. A LAM THOUSAND CIRCULAR MILLS 21. PROVID KILO VOLT AMP 21. KILO WATT 22. RECEP LOW VOLTAGE 22. RECEP THOUSAND CIRCULAR MILLS 23. REINST MECHANICAL 23. REINST MECHANICAL 23. REINST MECHANICAL 24. FOR RU MAIN DISTRIBUTION PANEL 25. FOR W MAIN DISTRIBUTION PANEL 25. FOR W MAIN SWITCHBOARD 25. FOR W NOT IN CONTRACT 26. PROVID PLANS & SPECS. 27. DRAWIN AND ST NUMBER 27. DRAWIN AND S NUMBER 29. FOR INSTALLED 29. FOR IN POULE 29. FOR INSTALLED 29. FOR IN POUSION FOR FUTURE BREAKER W/ MOUNTING HARDWARE 29. FOR IN POUSION FOR FUTURE BREAKER W/ MOUNTING HARDWARE 29. FOR IN POUSION FOR FUTURE CURRENT TRANSFORMER PRIMARY DAYLIT ZONE PRIMARY DAYLIT ZONE PRIMARY DAYLIT ZONE PRIMARY CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES PER CEC 408.4, FIELD IDENTIFICATION REQUIRED, (B) SOURCE OF SU
(RMS SYMMETRICAL)19. FROVILISOLATED20. A LAMIJUNCTION BOX21. PROVIDTHOUSAND CIRCULAR MILLS21. PROVIDKILO VOLT AMP21. PROVIDKILO VOLTAGE22. RECEPLIGHTING CONTROL PANEL23. REINSTLOW VOLTAGE23. REINSTMECHANICAL23. REINSTMECHANICAL23. REINSTMECHANICAL24. FOR RIMIN DISTRIBUTION PANELPROVIDMAIN DISTRIBUTION PANELPROVIDMAIN SONLY24. FOR RIMAIN SWITCHBOARD25. FOR WNOT IN CONTRACT26. PROVIDNOT IN CONTRACT27. DRAWINNICHT LIGHTAND SNUMBERAND TNOT TO SCALE29. FOR INOWNER FURNISHED, CONTRTRACTOR28. MAINTANOT TO SCALE29. FOR INPOLEPULL BOXPROVISION FOR FUTURE BREAKER W/MOUNTING HARDWAREPRIMARY DAYLIT ZONEPROVISION FOR FUTURE BREAKER W/MOUNTING HARDWAREPRIMARY DAYLIT ZONEPROVISION FOR FUTURE CURRENTTRANSFORMERPHASEPLYWOODPANELPANELPAIRPOLYVINYL CHLORIDE CONDUITREQUIREDREQUIREDROUMREUCATEDREQUIREDROM	AND INSTALL FUSES DEPLINIT NAMEDIATE DATA ON THE FOURDMENTS AND CONNECT POINTS WITH ALL APPLICABLE DISCIPLINES.
JUNC II ON BOX THOUSAND CIRCULAR MILLS KILO VOLT AMP KILOWATT LIGHTING CONTROL PANEL LOW VOLTAGE THOUSAND CIRCULAR MILLS MECHANICAL METAL HALIDE MISCELLANEOUS MAIN DISTRIBUTION PANEL METAL HALIDE MISCELLANEOUS MAIN SWITCHBOARD NOT IN CONTRACT NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR INSTALLED OWNER FURNISHED, CONTRTRACTOR INSTALLED OWNER FURNISHED, CONTRTRACTOR NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR NOT TO SCALE OWNER FURNISHED, CONTRTRACTOR INSTALLED OWNER FURNISHED, CONTRTRACTOR PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PHASE PLYWOOD PANEL PAIR POLYWINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	AND INSTALL FUSES PER UNIT NAMEPLATE DATA ON THE EQUIPMENT PROVIDED.
NILU VOLT AMPTHE S/ KILUWATTLIGHTING CONTROL PANEL22. RECEP'LOW VOLTAGE22. RECEP'THOUSAND CIRCULAR MILLS23. REINST FLOORMAIN DISTRIBUTION PANELPROVID CONCEMAIN DISTRIBUTION PANELPROVID CONCEMAIN LUGS ONLY24. FOR RM PROVIDMAIN POINT OF ENTRY24. FOR RM NOT IN CONTRACTNOT IN CONTRACT25. FOR WNOT IN CONTRACT26. PROVID NOT IN ELECTRICAL SECTION OF THESEPLANS & SPECS.27. DRAWIN AND SNOT TO SCALE28. MAINTAOWNER FURNISHED, CONTRTRACTOR28. MAINTAINSTALLED29. FOR IN POLEPULL BOXPROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWAREPROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE29. FOR IN POLYWOODPANELPAIR POLYWNYL CHLORIDE CONDUIT RELOCATE / RELOCATED RCOUREDROMCHLORIDE CONDUIT REQUIRED ROOM	WRING DEVICES AND COVER PLATES IN COLOR(S) SELECTED BY ARCHITECT. THE COLOR OF THE WIRING DEVICE AND COVER PLATE SHALL
LOW VOLTAGE 22. RECEP THOUSAND CIRCULAR MILLS 23. REINST MECHANICAL 23. REINST MAIN DISTRIBUTION PANEL 24. FOR RC MISCELLANEOUS 24. FOR RC MAIN LUGS ONLY 24. FOR RC MAIN SWITCHBOARD 25. FOR W NEW 25. FOR W NOT IN CONTRACT 26. PROVID PLANS & SPECS. 27. DRAWIN NIGHT LIGHT AND S NUMBER AND S NOT TO SCALE 27. DRAWIN AND S NOT TO SCALE 28. MAINTA OWNER FURNISHED, CONTRTRACTOR 28. MAINTA INSTALLED 29. FOR IN POLE PULL BOX PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PLASE PL'WOOD PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	ME UNLESS SPECIFICALLY NOTED OTHERWISE.
MECHANICAL 23. REINST MAIN DISTRIBUTION PANEL FLOORS MAIN DISTRIBUTION PANEL PROVID CONCE MISCELLANEOUS MAIN LUGS ONLY 24. FOR R MAIN POINT OF ENTRY 24. FOR R MAIN SWITCHBOARD 25. FOR W NOT IN CONTRACT 25. FOR W NOT IN CONTRACT 26. PROVID NOT IN CONTRACT 26. PROVID NOT IN ELECTRICAL SECTION OF THESE 26. PROVID NOT IN ELECTRICAL SECTION OF THESE 26. PROVID NIGHT LIGHT AND S NUMBER 27. DRAWIN AND 5 NUMBER 28. SPECS. 27. DRAWIN AND 5 NUMBER 28. MAINTA OWNER FURNISHED, CONTRTRACTOR 28. MAINTA INSTALLED 29. FOR IN POLE PULL BOX PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PHASE PLYWOOD PANEL PAIR POLYINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	ACLE WEATHERPROOF COVERS SHALL BE LISTED "EXTRA DUTY", LOCAKBLE, METAL, IN-USE TYPE.
MAIN LUGS ONLY24. FOR RGMAIN POINT OF ENTRY25. FOR WMAIN SWITCHBOARD25. FOR WNEW26. PROVIDNOT IN CONTRACT26. PROVIDNOT IN ELECTRICAL SECTION OF THESE26. PROVIDPLANS & SPECS.27. DRAWIN AND SNIGHT LIGHT27. DRAWIN AND SNOT TO SCALE0N CENTEROWNER FURNISHED, CONTRTRACTOR28. MAINTAINSTALLED29. FOR IN POLEPULL BOXPROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWAREPROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE9. FOR IN PROVISION FOR FUTURE CURRENT TRANSFORMERPHASEPLYWOOD PANEL PAIRPAIR POLYVINYL CHLORIDE CONDUIT REQUIRED REQUIRED29. FOR DUIT REQUIRED	LL EXISTING ELECTRICAL INSTALLATIONS DISTURBED. CERTAIN EXISTING ELECTRICAL INSTALLATIONS MAY BE LOCATED IN WALLS, CEILINGS OU THAT ARE TO BE REMOVED AND ARE ESSENTIAL FOR THE OPERATION OF OTHER REMAINING INSTALLATIONS. WHERE THIS CONDITIONS OCCU A NEW EXTENSION OF ORIGINAL CIRCUITS, RACEWAYS, EQUIPMENT AND OUTLETS TO RETAIN SERVICE CONTINUITY. INSTALLATIONS SHALL LED IN FINISHED AREAS.
MAIN SWITCHBOARD25. FOR W.NEWNOT IN CONTRACTNOT IN ELECTRICAL SECTION OF THESE26. PROVIDPLANS & SPECS.27. DRAWIN AND SNIGHT LIGHT27. DRAWIN AND SNUMBERAND TOON CENTER28. MAINTAOW CENTER28. MAINTAOWNER FURNISHED, CONTRTRACTOR28. MAINTAINSTALLED29. FOR INPOLEPULL BOXPROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE29. FOR INPROVISION FOR FUTURE CURRENT TRANSFORMERPHASEPLYWOODPANEL PAIRPAIRPOLYVINYL CHLORIDE CONDUIT REQUIREDROOMCOM	OF PENETRATIONS, REFER TO ARCHITECTURAL PLANS FOR INSTALLATION REQUIREMENTS.
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PLANS & SPECS.27. DRAWIN AND SNIGHT LIGHTAND TNUMBERAND TNOT TO SCALEAND TON CENTER28. MAINTAOWNER FURNISHED, CONTRTRACTOR29. FOR INOWNER FURNISHED, OWNER INSTALLED29. FOR INPOLEPULL BOXPROVISION FOR FUTURE BREAKER W/MOUNTING HARDWAREPRIMARY DAYLIT ZONEPROVISION FOR FUTURE CURRENTTRANSFORMERPHASEPLYWOODPANELPAIRPOLYVINYL CHLORIDE CONDUITRELOCATEDREQUIREDROOMROOM	"LOCK-ON" DEVICE FOR ALL CIRCUIT BREAKERS ON EMERGENCY DEDICATED CIRCUITS.
NOT TO SCALE ON CENTER OWNER FURNISHED, CONTRTRACTOR INSTALLED OWNER FURNISHED, OWNER INSTALLED POLE PULL BOX PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PHASE PLYWOOD PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	S ARE TO BE CONSIDERED DIAGRAMMATIC. CONTRACTOR SHALL ACCEPT RESPONSIBILITY IN FAMILIARIZING THEMSELVES WITH ARCHITECTURA RUCTURAL CONDITIONS ALONG WITH INHERENT SPACE LIMITATIONS. WITH THAT UNDERSTANDING SHALL PROVIDE ALL ITEMS OF LABOR, MATE DLS REQUIRED TO PROVIDE A COMPLETE INSTALLATION.
INSTALLED 29. FOR IN INSTALLED 29. FOR IN POLE PULL BOX PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PHASE PLYWOOD PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	N A MINIMUM OF 12" SEPARATION BETWEEN ANY CONDUIT AND (E) UTILITY CONDUIT.
POLE PULL BOX PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PHASE PLYWOOD PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	ERSECTING TRENCHED CONDUIT, MAINTAIN OR EXCEED THE MINIMUM CONDUIT DEPTH REQUIREMENTS.
PROVISION FOR FUTURE BREAKER W/ MOUNTING HARDWARE PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PHASE PLYWOOD PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	
PRIMARY DAYLIT ZONE PROVISION FOR FUTURE CURRENT TRANSFORMER PHASE PLYWOOD PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	
PHASE PLYWOOD PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	
PANEL PAIR POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	
POLYVINYL CHLORIDE CONDUIT RELOCATE / RELOCATED REQUIRED ROOM	
ROOM	
RIGID METAL CONDUIT REMOVE AND REPLACE SECONDARY DAYLIT ZONE	
SKYLIGHT DAYLIT ZONE SPECIFICATION	
SIGNAL TERMINAL CABINET SQUARE	
SWITCH TELEPHONE	
TELECOMMUNICATIONS GROUNDING BUSBAR	
TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TELEPUIDNE TERMINAL BOARD	
TELEPHONE TERMINAL BOARD TYPICAL	
UNDERGROUND UNLESS OTHERWISE NOTED VOLTS	
VOLIS WEATHERPROOF WEIGHT	
WEIGHT WATT WITH	
TRANSFORMER AND	

ABBF

BLD

CFC

CLG

CON

FWH

FACF

FAEP FATC

FBO

FLUOR

J-BOX

KCMIL

MFCF

MDP

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OFCI

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PNL PR PVC

PH, Ø PLYWD

REQ'D

RMC

(RR)

SKZ

SPEC

TMGE

XFMR

NTS

MPOE

MEP COMPONENT ANCHORAGE NOTE

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. 3. 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:

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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR 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 2019 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.

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:

- 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

F	FUSED DISCONNECT SWITCH
ŧ	DUPLEX CONVENIENCE OUTLET
⊕=	DOUBLE DUPLEX CONVENIENCE OUTLET
₽	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET
曲	GROUND FAULT CIRCUIT INTERRUPTER DOUBLE DUPLEX OUTLET
©⊢	SPECIAL OUTLET TO MATCH CAP PROVIDED WITH MACHINE
ĦZ	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
Δ	TRANSFORMER
\bigcirc	JUNCTION BOX, SIZE AS REQUIRED BY CODE
م_	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
 II	CONDUIT RUN CONCEALED IN CEILING OR WALL, SEE SYMBOLS LIST NOTES
	CONDUIT RUN UNDERGROUND OR UNDER FLOOR
—ЕМ —	EMERGENCY SYSTEM CONDUIT AND WIRES
\rightarrow	INSULATED GREEN GROUND CONDUCTOR
\longrightarrow	INSULATED ISOLATED GROUND CONDUCTOR, GREEN WITH TRACER STRIPE
	CONDUIT RISER
	EXISTING EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIRING, ETC., ARE SHO LIGHT. NEW OR RELOCATED EQUIPMENT, LIGHTING, DEVICES, CONDUIT, WIF ETC., ARE SHOWN DARK.
-xx-	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

 $\left< \frac{AU}{1} \right>$ MECHANICAL EQUIPMENT BY OTHERS, CONNECTED BY ELECTRICAL CONTRACTOR DETAIL DESIGNATION, "A" SIGNIFIES DETAIL, "E-1" SIGNIFIES SHEET NUMBER

(1)1-1/2"C \leftarrow INDICATES SIZE OF CONDUIT = ONE AND ONE HALF INCH CONDUIT NUMBER WITHIN PARENTHESIS INDICATES QUANTITY OF CONDUITS

SYMBOLS LIST NOTES:

1. MOUNT SWITCH BOXES AT +48" TO TOP OF BOX UNLESS OTHERWISE NOTED.

- 2. MOUNT OUTLET BOXES AT +15" TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- 3. "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:
- 3.1. +46" MAX TO TOP OF BOX WHERE BOX IS INSTALLED OVER BASE CABINET. 3.2. +44" MAX TO TOP OF BOX WITH OPEN COUNTERS WITH FORWARD APPROACH. 4. OUTLET BOXES SHALL BE:
- 4.1. WALL MOUNTED 4" SQ. $\times 2-1/8$ " DEEP MINIMUM 4.2. CEILING MOUNTED – 4" SQ. OR 4" OCT. $\times 2-1/8$ " DEEP MINIMUM
- 5. OUTLET BOXES REQUIRING 1-1/4", 1-1/2" OR 2" CONDUITS SHALL BE 4-11/16" x
- 3-1/4" DEEP MINIMUM.
- 6. FLUSH MOUNTED OUTLET BOXES SHALL UTILIZE TRIM RINGS. COORDINATE TRIM RING DEPTH WITH WALL FINISH PRIOR TO ROUGH-IN.
- 7. NO CROSSBARS ON CONDUIT RUN INDICATES MINIMUM 1" CONDUIT, TWO #10 CU CONDUCTORS PLUS 1#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.
- 8. 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.
- 9. INSTALL CU GROUND CONDUCTOR IN ALL BRANCH CIRCUITS FOR LIGHT FIXTURES AND POWER DEVICES.

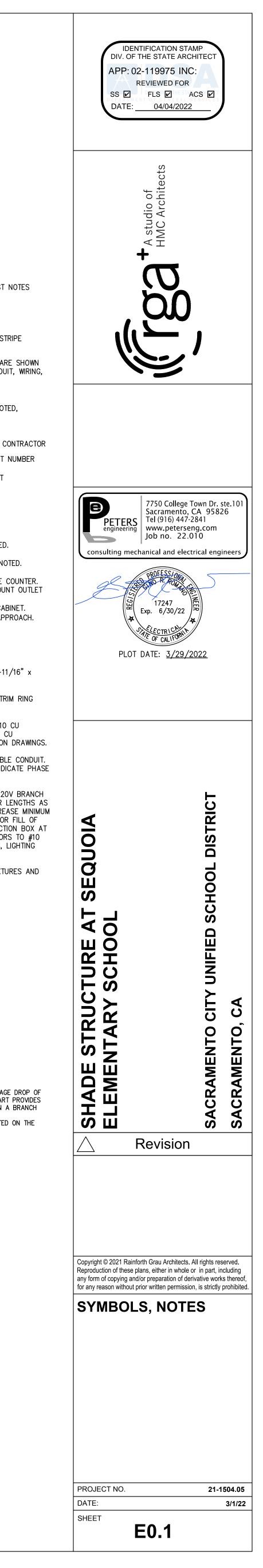
120V BRANCH CIRCUIT VOLT DROP CONDUCTOR LENGTH CHART

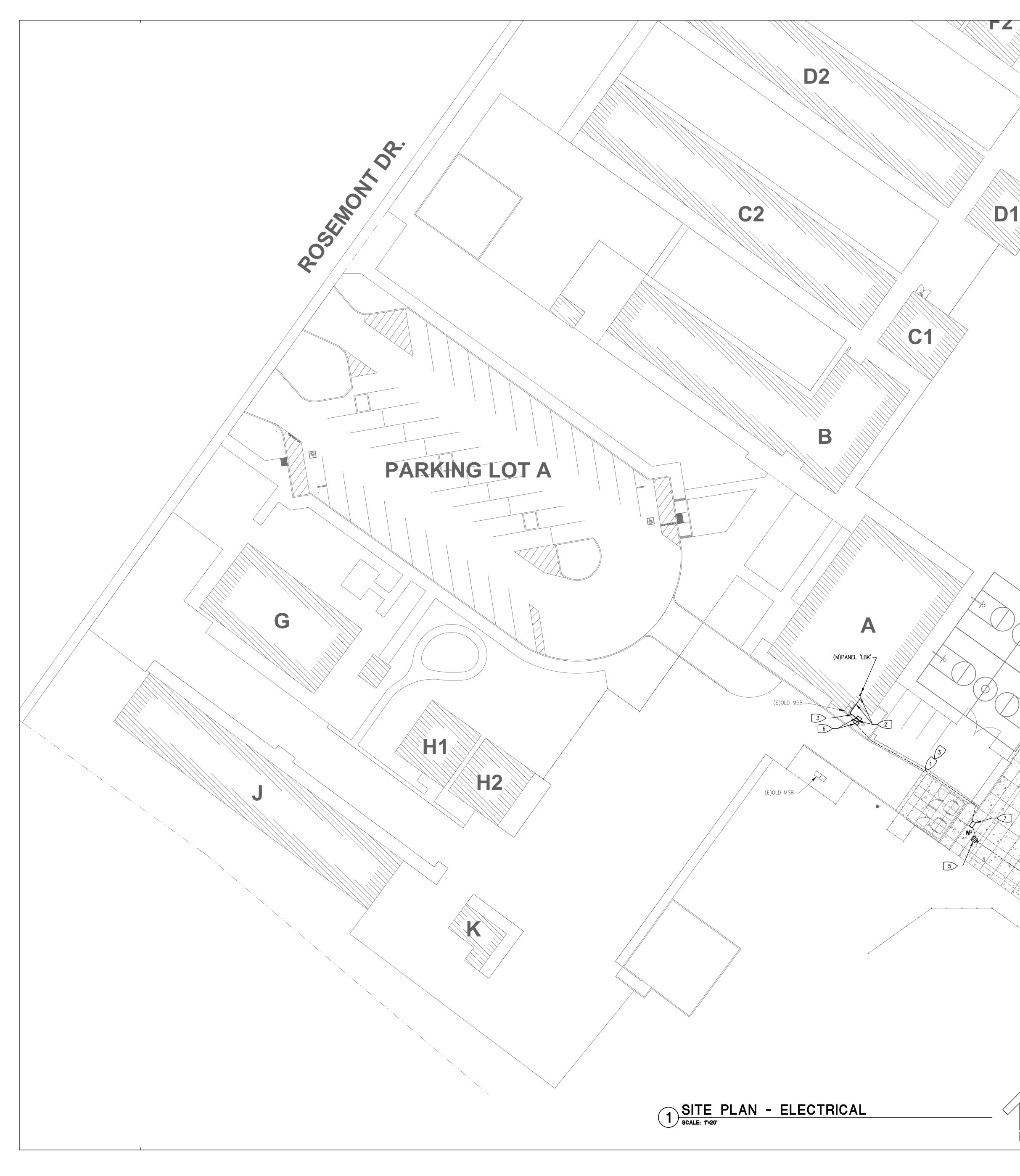
			••••		
LOAD IN		LENGT	H OF CONI	DUCTOR	
VOLT		WIRE	SIZE IN (O	GAUGE)	
AMPERES	# 12	# 10	#8	# 6	#4
1200VA	74	121	183	284	434
1560VA	57	93	141	218	334
1800VA	49	81	122	189	289
1920VA	46	76	115	178	271
2340VA	X	62	94	146	223
2880VA	X	51	76	118	181
3000VA	X	48	73	114	174
3900VA	X	Х	56	87	134
4800VA	X	Х	46	71	108
2					

1. THIS CHART IS FOR COPPER CONDUCTORS ONLY. THIS CHART ASSUMES AN 80% POWER FACTOR AND STEEL RACEWAYS. 3. 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. 4. USE WIRE SIZE FROM THIS CHART UNLESS LARGER CONDUCTOR SIZES ARE NOTED ON THE

5. FOR VA VALUES NOT SHOWN USE NEXT HIGHEST VALUE FROM THE CHART

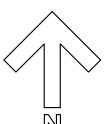




SHEET NOTES: 1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY. 2. SEE ONE LINE DIAGRAM AND PANEL SCHEDULE ON SHEET <u>E2.1</u> FOR REFERENCE.

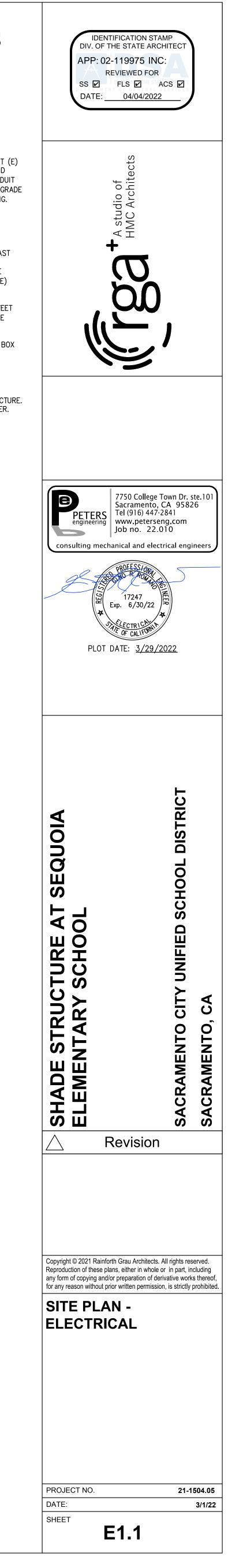
- 1 PROVIDE TRENCH FOR 24 INCH MINIMUM COVER. LOCATE AND PROTECT (E) UTILITIES, I.E. IRRIGATION, SEWER, DRAINAGE PIPES, ETC. SAW CUT AND PATCH BACK (E) CONCRETE/ASPHALT. PROVIDE SAND TO COVER CONDUIT TO SIX(6) INCHES, THEN ADD TRACER TAPE. COMPLETE BACKFILL TO GRADE WITH NATIVE SOIL. COMPACT IN SIX(6) LIFTS. FINISH TO MATCH EXISTING. SEE DETAIL <u>3/E3.1.</u>
- 2 CONDUIT TO PENETRATE WALL. PATCH BACK TO MATCH (E) BUILDING CONSTRUCTION.
- 3 PENETRATE WALL AND RUN HIGH ON WALL TO WRAP AROUND SOUTHEAST ALCOVE. PENETRATE WALL 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.
- 4 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 <u>5/E3.1</u>.
- 5 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 <u>4/E3.1</u>.
- 6 PROVIDE 8" BY 6" BY 4" NEMA 3R PULL BOX.
- 7 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 <u>2/E3.1</u>.





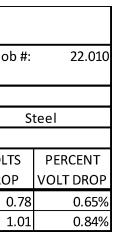
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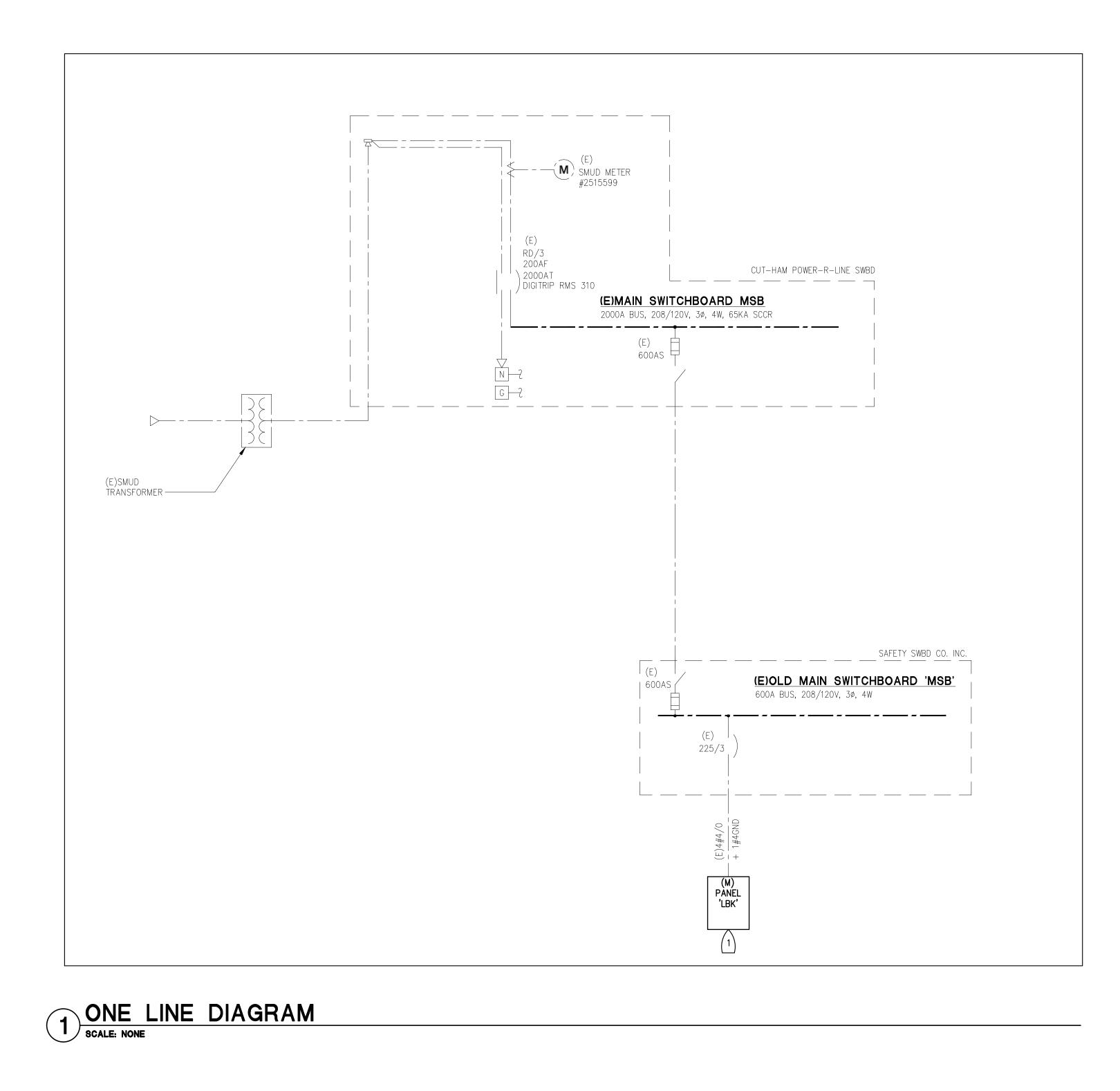
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MODIFIE	D														
PANEL:		MANF:	EATON / CH				SER	/ICE:		MOUN	TING: ENCLOSURE:			10K	
LB	ĸ	TYPE:	PRL1A	BUSS:		AMP			VOL	Г	SURFACE WIDTH:			100%	NEUT.
		1		R RATING:		AMP	-	Ø, 4\			DEPTH:	6"			
AØ	ВØ	CØ		RECTORY		BRKR	СКТ		<u> </u>	BRKR			AØ	ВØ	CØ
			MULTIPURP	DSE RM LI	GHTS	20/1		•	2	1	KITCHEN RECEPTS				
				OSE RM LI	GHTS	20/1	3	٠	4	20/1	SPARE				
			MULTIPURP	OSE RM LI	GHTS	20/1	5	•	6	20/1	KITCHEN RECEPT				
1600			WHEEL CHA	IR LIFT		20/1	7	•	8	20/1	KITCHEN RECEPT				
			STAGE REC	EPT		20/1	9	٠	10	20/1	KITCHEN RECEPTS				
		1600	KITCHEN EX	HAUST FA	NS	20/1	11	•	12	20/1	KITCHEN RECEPTS				
			WARMER FL	OOR REC	EPT	20/1	13	•	14	20/1	KITCHEN + MP RECEP	TS			
	1387		FREEZER			20/2	15	٠	16	20/1	KITCHEN + RESTRM RI	ECEPTS			
		1387	"			-	17	•	18	20/1	SPARE				
1600			OVEN FAN			20/1	19	•	20	20/1	STAGE SOUTH WALL F	RECEPTS			
	1600		OVEN FAN			20/1	21	•	22	20/1	STAGE FLOOR BOX RE	CEPTS			
			STAGE REC	EPT		20/1	23	•	-		RECEPTS - SHADE ST				360
1602			GARBAGE D	ISPOSAL		20/3	25	•	26	20/1	MULTIPURPOSE RM RI	ECEPTS			
	1602		"			_	27	•	28	30/2	DRYER			2080	
		1602				-	29	•		_	"				2080
			STAGE REC	EPT		20/1	31	•	32	20/3	SPARE				
			SPARE			20/1	33	٠	34	-	"				
		1600	WALK-IN FA	N AND LIG	НТ	20/1	35	•	36	-	"				
1602			WALK-IN CO	MPRESSO)R	20/3	37	•	38	100/3	DISHWASHER + WATE	RHTR	8006		
	1602					-	39	•	40	_	н			8006	
		1602				-	41	•	- 10	-					8006
		N	EW LOAD			READ	NGS	PE	EAK D) @ 125% + (N) LOAD	тот	AL DEMA	ND LOA	D
	TC	OTAL PA	NEL VA	AMPS	AMPS	@12	5%		AMP	S	VA				
AØ =		14410		120	16.6		20.8		141		16900 VA		55764		
BØ =		16277		136	21.5		26.9		163		19502 VA		162.5	AMPS	
CØ =		18237	VA	152	7.5		9.4		161	A	19362 VA				
NOTES:			DUCTORS CO		A#A/O + 4+		<u></u>								
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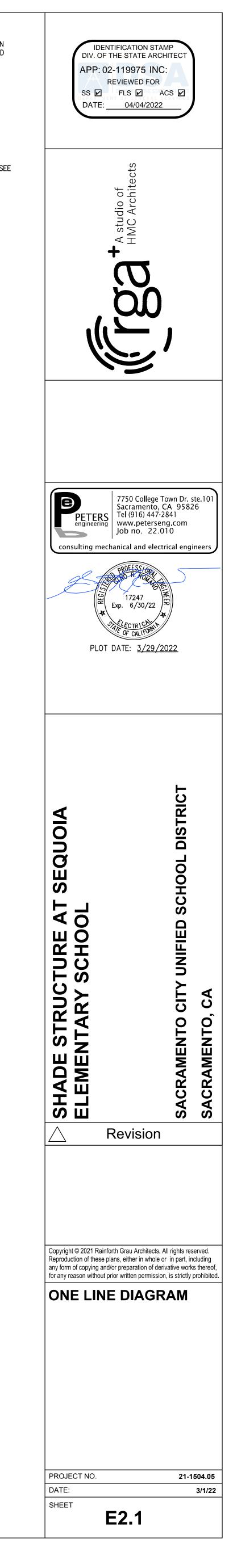
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		V	oltage	e Drop	o Calcu	ilatio	ns C	opp	er	
Job Name:	Sequoia El	ementary S	School - Sh	nade Structu	ire					Job i
Date:	2/24/2022									
	VOLTAGE:	120	PHASE:	1		POWER	FACTOR:	80%	CONDUIT:	
	-				-					
FEEDER	AMPS AT	KVA	VOLTS	DISTANCE	DISTANCE	WIRES/	LOAD/	WIRE	WIRE	VOLTS
NUMBER	LOAD	TOTAL	AT LOAD	FEET	TOTAL	PHASE	WIRE	SIZE	FACTOR	DROP
RECEPT-1	3	0.4	119.22	131	131	1	3.00	10	1995	0.7
RECEPT-2	2	0.2	118.99	74	205	1	1.50	10	1995	1.0

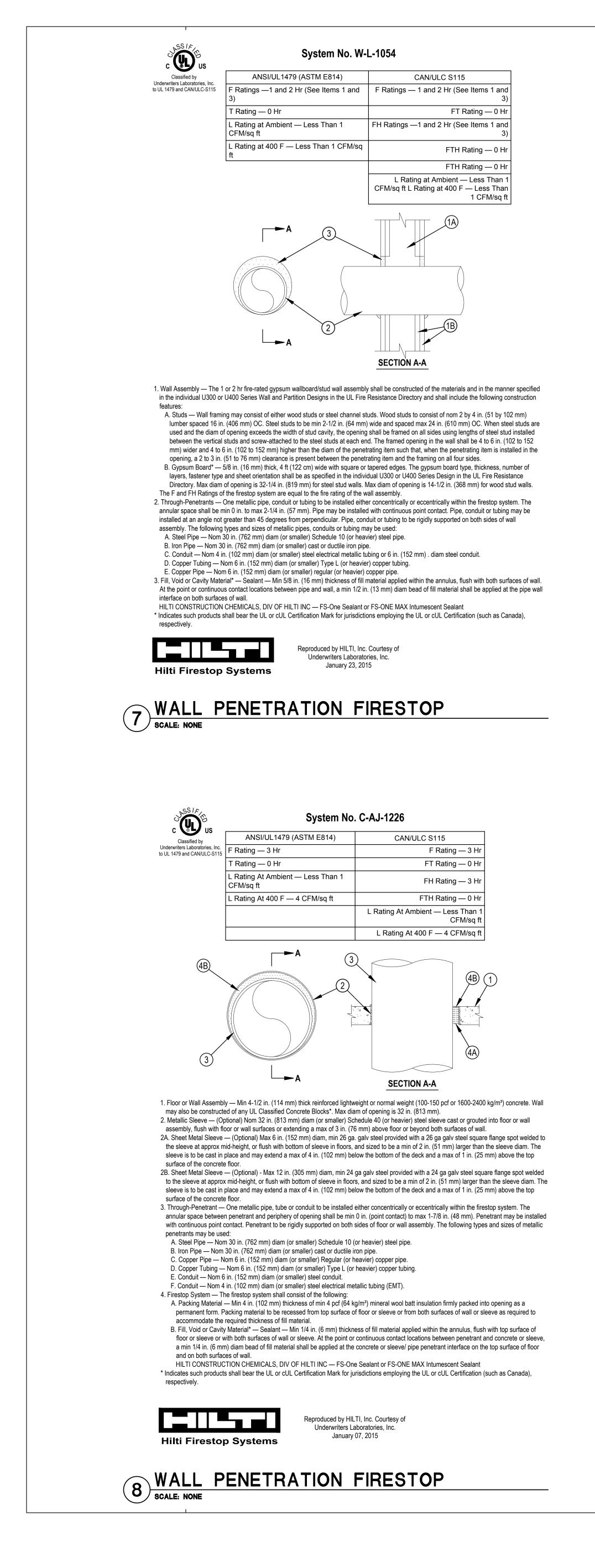


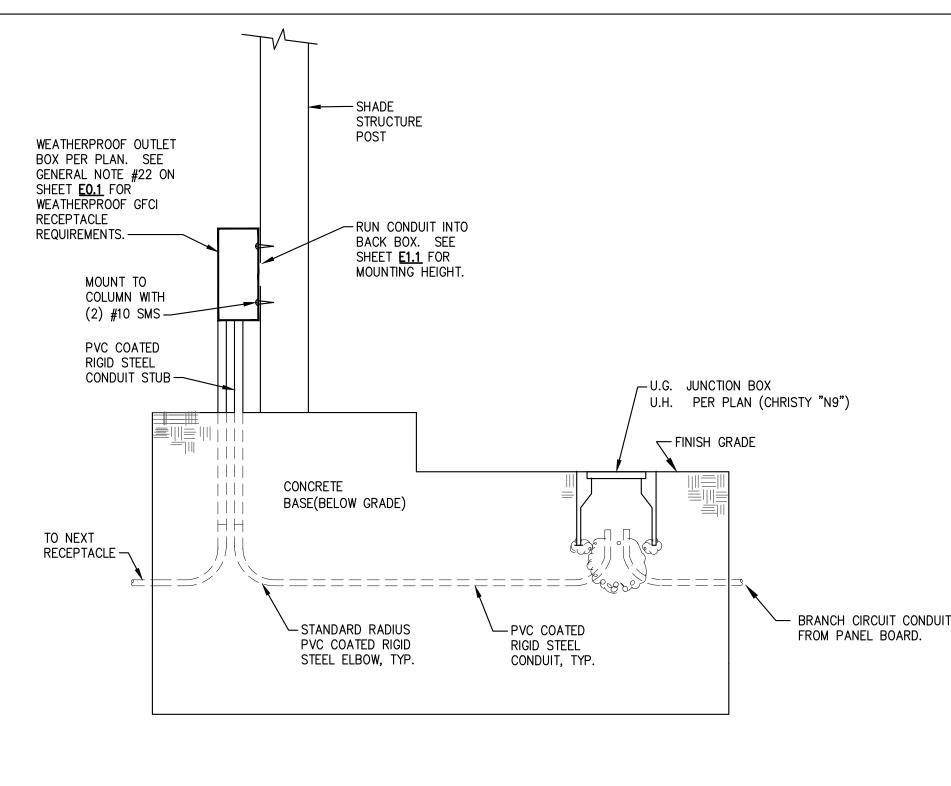


SHEET NOTES: 1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.

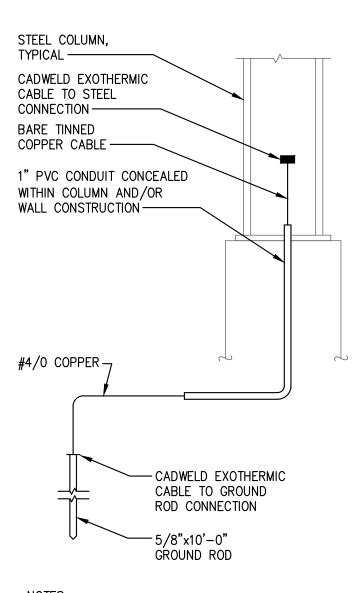
1 MODIFIED PANEL SERVES EQUIPMENT BEING ADDED IN THIS PROJECT. SEE PANEL SCHEDULE ON THIS SHEET FOR REFERENCE.







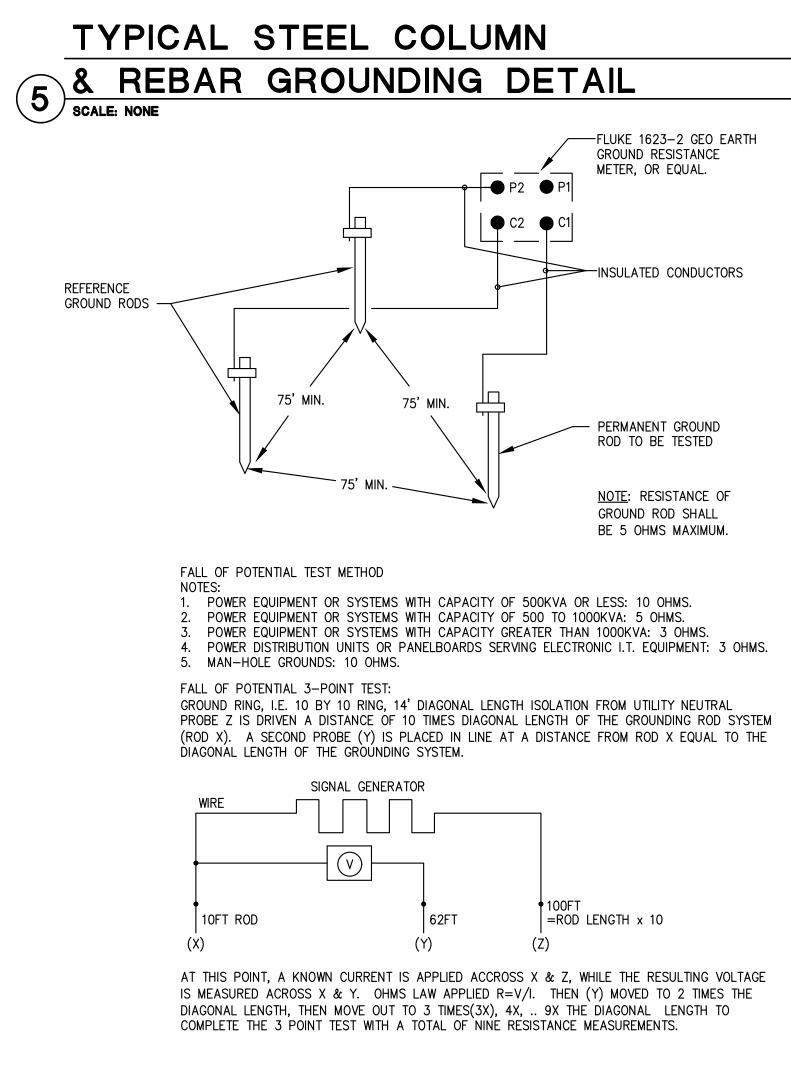
4 CONDUIT STUB IN POST DETAIL SCALE: NONE



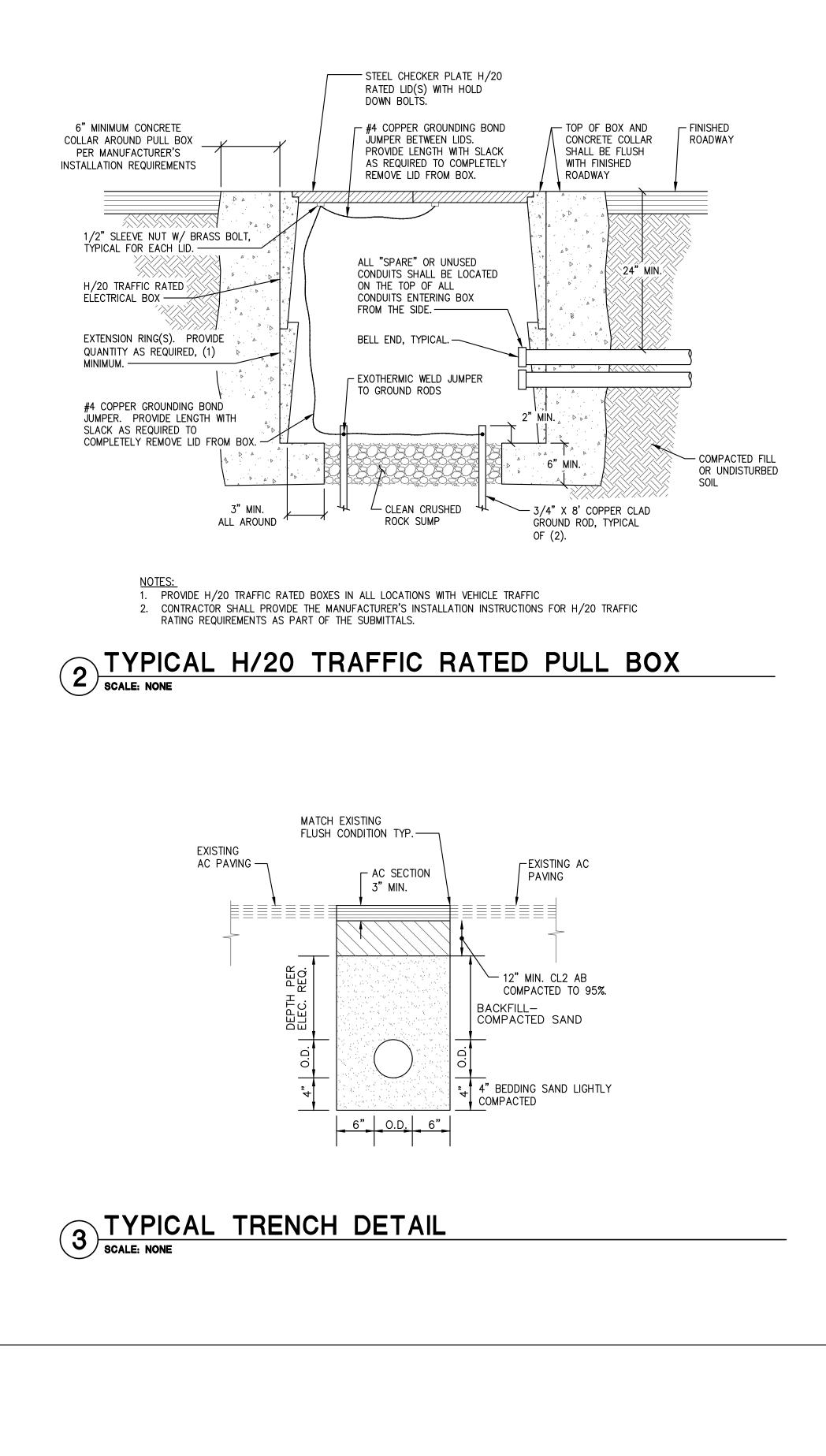
NOTES: 1. ALL GROUNDING CONNECTIONS SHALL BE IN CONFORMANCE WITH N.E.C. ARTICLE 250.

SPEC SECTIONS 26 05 26.

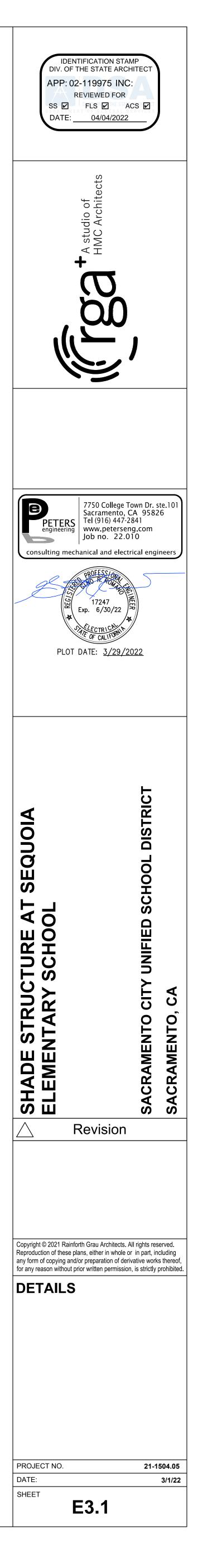
2. FOR ALL ADDITIONAL REQUIREMENTS REFER TO

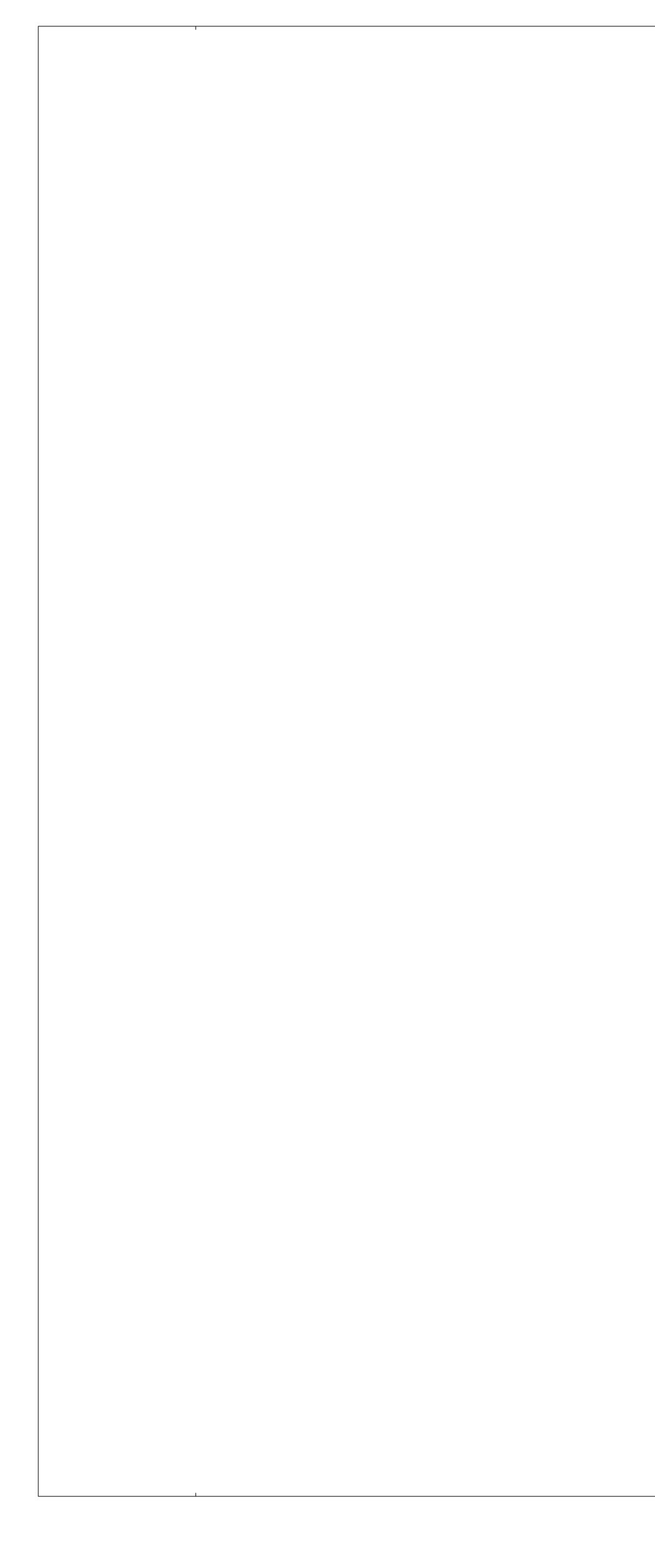


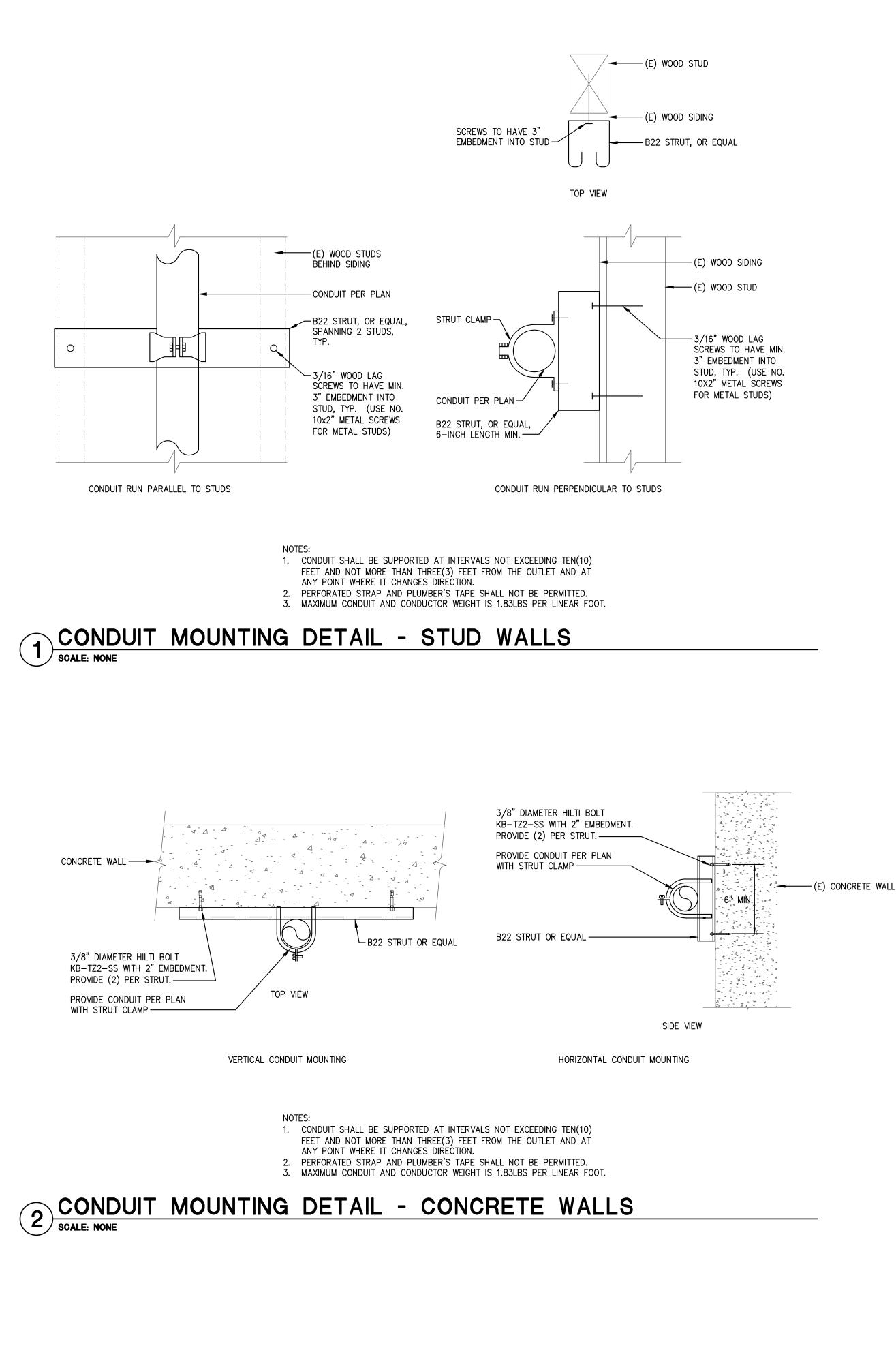
6 METHOD OF TESTING GROUND RODS DETAIL SCALE: NONE

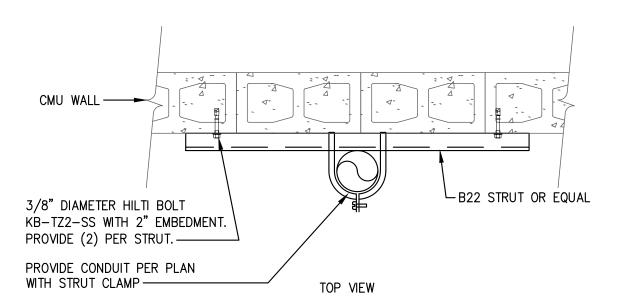


1) DETAIL REMOVED SCALE: NONE







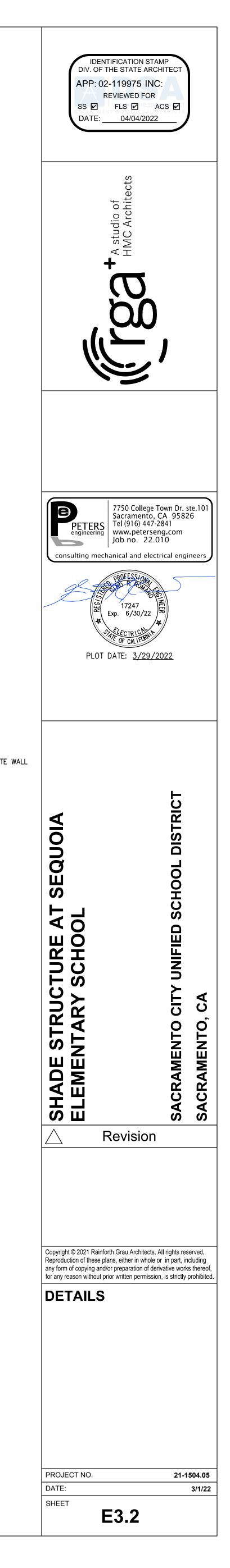


NOTES: 1. CONDUIT SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING TEN(10) FEET AND NOT MORE THAN THREE(3) FEET FROM THE OUTLET AND AT

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.

3 CONDUIT MOUNTING DETAIL - CMU WALLS Scale: NONE



DESIGN CRITERIA	
DESCRIPTION DEAD AND LIVE LOADS	DESIGN VALUES
ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME)	5 PSF MAX
ROOF PANEL DEAD LOAD	M=1.1 PSF, G = 1.2 PSF, S = 1.3 PSF
COLLATERAL DEAD LOAD	M = 3.9 PSF, G = 3.8 PSF, S = 3.7 PSF
ROOF SNOW LOAD	
GROUND SNOW LOAD, Pg	20 PSF
RISK CATEGORY	l
ROOF SNOW LOAD: SLOPED, P _s	20 PSF
SITE APPLICATION DSA REVIEWER SHALL VERIFY THE STRUCTURE BE LOCATED	AT LEAST 20 FEET FROM ADJACENT STRUCTURE
SNOW LOAD SLOPE FACTOR, C _s	1.0
SNOW EXPOSURE FACTOR, Ce	1.0
SNOW LOAD IMPORTANCE FACTOR, Is	1.0
THERMAL FACTOR, Ct	1.2
WIND DESIGN	1.2
BASIC WIND SPEED (3 SECOND GUST), V _{ult}	100 MPH
RISK CATEGORY EXPOSURE CATEGORY	
FACTORS: K _z , K _{zt} , K _d	0.85, 1, 0.85
$q_h = 0.00256 K_z K_{zl} K_d V^2$ FOR ALL EAVE HEIGHTS (8', 10' & 12')	18.50 PSF
C _{NW} PER ASCE FIGURE 27.4-5 ROOF ANGLE 18.43 - CLEAR / OBSTRUCTED	CASE A (1.1 / -1.2) CASE B (0.01 / -0.69)
C _{NL} PER ASCE FIGURE 27 4-5 ROOF ANGLE 18 43 - CLEAR / OBSTRUCTED	CASE A (-0.17 / -1.09) CASE B (-0.96 / -1.65)
C _N PER ASCE FIGURE 27.4-7 PARALLEL TO RIDGE - CLEAR / OBSTRUCTED	CASE A (-0.6 / -0.9) CASE B (-0.5 / -0.5)
COMPONENTS & CLADDING - C _N (PRESSURE/SUCTION) CLEAR / OBSTRUCTED	ZONE 3 - (2.29 / -2.11) / (1.0 / -3.0)
	ZONE 2 - (1.77 / -1.63) / (0.8 / -2.3)
	ZONE 1 - (1.15 / -1.05) / (0.5 / -1.5)
SEISMIC DESIGN	
LATERAL FORCE RESISTING SYSTEM	STEEL - ORDINARY CANTILEVER COLUMN
	EQUIVALENT LATERAL FORCE
	1.0
	D
MCE _R SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S _S	2.60
MCE _R SPECTRAL RESPONSE ACCELERATION @ 0.2 s, S ₁	0.90
SHORT PERIOD SITE COEFFICIENT, Fa	1.20
LONG PERIOD COEFFICIENT, F _v	1.70
FUNDAMENTAL PERIOD OF THE STRUCTURE, T	0.152 s
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS}	2.08
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S _{DS} - USED TO DETERMINE Cs (WITH CAP PER ASCE-7 12.8.1.3)	2.08 * 0.70 = 1.456
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-s PERIODS, Sp1	1.02
SEISMIC DESIGN CATEGORY	E
RESPONSE MODIFICATION FACTOR, R	1.25
OVERSTRENGTH FACTOR, Ω	1.25
REDUNDANCY FACTOR, ρ	1.0
HORIZONTAL OR VERTICAL IRREGULARITIES	NONE
SEISMIC RESPONSE COEFFICIENT, Cs (20' WIDE, 30' WIDE, 40' WIDE)	1.16,
DESIGN BASE SHEAR, V (20' WIDE, 30' WIDE, 40' WIDE)	12.73 PSF, 13.41 PSF, 14.65 PSF
ALLOWABLE SOIL BEARING FOR FOUNDATIONS	VARIES - SEE FOUNDATION CHARTS
FLOOD DESIGN - DESIGN IS ASSUMED TO NOT BE IN FLOOD HAZARD AREA	
IF PROJECT IS LOCATED IN A FLOOD ZONE OTHERTHAN ZONE X, A LETTER STAMPED & SIGNED FROM A SOILS ENGINEER IS REQUIRED TO VALIDATE THE	

 $\label{eq:maximum drift} MAXIMUM DRIFT \quad \delta_{max} \qquad \mbox{SIDE COLUMNS}$ Soil Class 5 Soil Class 4 Soil Class 20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.40 2.55 2.65 30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.25 2.35 2.45 40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.20 2.25 2.20 MINIMUM SEPARATION $(\delta_m = C_d \delta_{max})$ $C_d = 1.25$ 20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 3.00 3.19 3.31 30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.81 2.94 3.06 40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.75 2.81 2.75 MAXIMUM DRIFT δ_{max} CORNER COLUMNS oil Class 4 Soil Class 20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.20 2.40 2.30 30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.30 2.45 2 50 40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.40 2.55 2.65 MINIMUM SEPARATION ($\delta_m = C_d \delta_{max}$) $C_d = 1.25$ 20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 3.00 2.75 2.88 30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.88 3.06 3.13 40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 3.31 3.00 3.19 MAXIMUM DRIFT δ_{max} END COLUMNS <u>Soil Class 3</u> Soil Class 5 Soil Class 4 20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 1.60 1.75 1.70 30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.00 2.45 40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.50 2.30 2.80 MINIMUM SEPARATION ($\delta_m = C_d \delta_{max}$) $C_d = 1.25$ 20' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.19 2.00 2.13 30' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.50 3.06 40' WIDE (8' EAVE HT, 10' EAVE HEIGHT, 12' EAVE HT) (INCHES) 2.88 3.13 3.50

DEFLECTIONS ARE FOR (1) STRUCTURE SOIL CLASSES PER CBC TABLE 1806A. 2

AKCHITECTOKAL KEQOIKEMENTS	
DESCRIPTION	DESIGN VAULES
TYPE OF CONSTRUCTION	II-B
OCCUPANCY CLASSIFICATION	A-3
NUMBER OF STORIES	1
FIRE SPRINKLER SYSTEM	NOT BY ICON/WEIGHT NOT INCLUDED IN DESIGN

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) 2019 CALIFORNIA ELECTRICAL CODE(PART 3, TITLE 24, CCR) 2019 CALIFORNIA MECHANICAL CODE (CMC). .(PART 4, TITLE 24, CCR) (PART 5, TITLE 24, CCR) 2019 CALIFORNIA PLUMBING CODE (CPC)... 2019 CALIFORNIA ENERGY CODE. .(PART 6, TITLE 24, CCR) 2019 CALIFORNIA FIRE CODE (CFC) . ..(PART 9, TITLE 24, CCR) 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (PART 11, TITLE 24, CCR) 2019 CALIFORNIA REFERENCE STANDARDS CODE(PART 12, TITLE 24, CCR) REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS: 2019 CBC, CHAPTER 35

2019 CFC, CHAPTER 80

<u>SCOPE OF WORK NARRATIVE</u>

ALLOWABLE SOIL VALUES SPECIFIED.

ARCHITEC TURAL REQUIREMENTS

STRUCTURAL SEPARATION ALL DEFLECTIONS SHOWN ALSO INCLUDE THE P-DELTA ROTATION PER IR PC-7

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

<u>GENERAL:</u>

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

STRUCTURAL AND MISCELLANEOUS STEEL:

- 1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN CALIFORNIA BUILDING CODE.
- 2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 KSI, GRADE B OR A501 UNLESS NOTED OTHERWISE.
- 3. STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A-500, GRADE B (OR C), Fy = 46 KSI (MIN).
- DRAWINGS (MAXIMUM INCREASE OF 1/8").
- 5. ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A-36, Fy = 36 KSI.
- 6. ALL PLATE STEEL SHALL CONFORM TO ASTM A-572, Fy= 50 KSI.
- 7. ALL COLD FORM STEEL SHALL CONFORM TO ASTM A-653, CS = TYPE B, Fy = 50 KSI.
- 8. STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2202A.1.
- 9. ALL ROOF DECKS SHALL HAVE KYNAR 500 METAL COATING. 10.ALL ROOF DECKS SHALL CONFORM TO ASTM A-792, Fy = 50 KSI.
- 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 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 -MAXIMUM WIDTH IS 40' (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE) -THE 24', 44', 64', 84' AND 104' LENGTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST COMMON (20' BAYS ARE THE MOST ECONOMICAL) -FRAME LENGTHS ASSUME 2' OVERHANGS (UNO BY ARCHITECT - 2' MAX DIMENSION)
- STEP 2: SELECT ROOF DECK FOR YOUR PROJECT -"M" REPRESENTS MCELROY METAL "MULTI-RIB" ROOF PANEL -"G" REPRESENTS MCELROY METAL "MEGA-RIB" ROOF PANEL -"S" REPRESENTS MCELROY METAL "MEDALLION-LOK" 16" STANDING SEAM ROOF PANEL
- STEP 3: IDENTIFY THE SS ACCELERATION (a) FOR YOUR PROJECT -Ss VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
- STEP 4: IDENTIFY THE Ss REGION FOR YOUR PROJECT -THE REGIONS ARE DEPENDANT ON THE Ss VALUE DETERMINED IN STEP 3 STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT
- -THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED -THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME -BE SURE THE TOTAL ROOF DEAD LOAD FOR YOUR PROJECT IS LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 4 FOR YOUR SS VALUE -Sds VALUE USED IN CALCULATION IS THE CAPPED Sds (SEE DESIGN CRITERIA)
- STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT -IDENTIFY SOIL CLASS FOR PROJECT SITE PER SITE SPECIFIC SOIL CONDITIONS -USE THIS TO SELECT CORRECT FOUNDATION SIZE ON FOUNDATION SHEET
- STEP 7: SELECT MISCELLANEOUS OPTIONS FOR YOUR PROJECT -MAXIMUM CLEAR HEIGHT IS 12'-0"; (SEE "ARCHITECTURAL VIEWS" SHEET FOR REFERENCE) -MARK UP PC DRAWINGS WITH SIZE AND LOCATION OF CUTOUTS BEFORE SUBMITTING TO DSA
- STEP 8: SELECT APPLICABLE SHEET INDEX FOR YOUR PROJECT -REFERENCE THE BASE FRAME (STEP 1) AND THE ROOF PANEL TYPE (STEP 2) -IDENTIFY THE APPLICABLE SHEET INDEX
- STEP 9: INCLUDE APPLICABLE SHEETS WITH YOUR DSA SUBMITTAL -INCLUDE 'MISC DESIGN OPTIONS' SHEET FOR PROJECTS WITHOUT ELECTRICAL CUTOUTS OR GUTTERS

NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY

- GENERAL RESPONSIBLE CHARGE.
- RESPONSIBILITY FOR THE SITE SPECIFIC PROJECT.
- COMPLETED WORK. CONSTRUCTION.

2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE

SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO PROCEEDING

DIMENSIONS, ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS

9. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE

INSTITUE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE

4. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESS CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE

-Ss VALUE DEPENDS ON THE PROJECTS GEOGRAPHICAL LOCATION (VALUES RANGE FROM 0.00 TO 3.73)

-THE SS REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED ON THE FRAME (SEE TABLE TO RIGHT)

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. 2. FOR THE SITE SPECIFIC PROJECT, J. R. MILLER & ASSOCIATES IS NOT THE DESIGN PROFESSIONAL IN

3. FOR THE SITE SPECIFIC PROJECT, J.R. MILLER & ASSOCIATES' RESPONSIBILITY IS LIMITED TO THE PREPARATION OF THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC ONLY. 4. STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM J.R. MILLER & ASSOCIATES'

5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING SHALL BE DELEGATED TO A QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, APPROVAL OF INSPECTOR QUALIFICATIONS, STRUCTURAL OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF OF THE VERIFIED REPORT FOR

6. J.R. MILLER & ASSOCIATES WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIONS PERTAINING TO THE PLANS AND SPECIFICATIONS FOR THE SHELTERS OF THIS PC WHICH ARISE DURING PLAN REVIEW AND

WELDING:

- 1. ALL WELD CERTIFIE
- 2. ALL WELDI SHALL C
- 3. ALL WELD PROPER
- 4. WELD FILLE SPECIFIC

- 1. ALL B CONF
- 2. HIGH
- 3. BEFOF THE H REQUI
- 4. HARD
- 5. THE PERFC BOLTI BE IN USING
- <u>FOUNDA</u>
- 1. ALLOW OTHEF
- 2. PER C BUILD EARTH CGS.
- 3. FILL A D-155
- 4. THE C
- BANKS 5. MINIMU FROM
- 6. PER CE OF TY FAULT
- 7. GEOHAZ
- 8. SITE SI CLASS :
- 9. LATERAI C

	REINFORCING STEE	 <u>EL:</u>						
NG:	1. REINFORCING AS FOLLOW	NG STEEL SHALL BE DEFORMED STEEL CONFORM WS:	MING TO THE R	REQUIREMENTS OF ASTM A-615,				
LL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA.	GR 60	60: (#4 BARS AND LARGER) 40: (#3 BARS)						
LL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF 20 ft-16 @ (0°F).	2. DETAILING, I	FABRICATION, AND ERECTION OF REINFORCING OF STANDARD PRACTICE FOR DETAILING REINFOR						
ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSPECTION, PRE-APPROVED BY DSA, TO ENSURE PROPER MATERIAL ID AND WELDING. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND	3. MIN. COVER	R FOR CAST-IN-PLACE CONCRETE SHALL BE , ST AGAINST EARTH	AS FOLLOWS:					
WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN CERTIFICATION OF COMPLIANCE WITH CODE AND SPECIFICATIONS.		ST AGAINST FORM BELOW GRADE2 RMED SLABS (#11 BAR & SMALLER)						
<u>DLTING:</u>	D. SLAB	BS ON GRADE (FROM TOP OF SLAB)	"					
1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS (UNO), WITH THE NUTS	BENDS SHA	ALL BE CLEAN OF RUSI, GREASE OR OTHER MA ALL BE MADE COLD. NG SHALL BE LAP SPLICED PER ACI 318—14 SE				ICON STD RH/DSA-P		
 ALL BOLIS SHOWN ON THESE DRAWINGS ARE ASTM F3125 GRADE A325 HIGH STRENGTH BOLIS (UNO), WITH THE NUTS CONFORMING TO ASTM A-563. HIGH STRENGTH BOLTS SHALL BE VERIFIED AND INSPECTED PER CBC 1705A2.1. 	5 6. PRIOR TO P 7. WELDING OF	PLACING OF CONCRETE, REINFORCING STEEL AN OF REINFORCING IS NOT ALLOWED.	ND EMBEDDED	ITEMS SHALL BE WELL SECURED IN	POSITION.	DRAWN BY ANGE		
 A HIGH STRENGTH BOLTS SHALL BE VERIFIED AND INSPECTED PER CBC 1705A2.1. BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS – INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING SOME OF THE BOLTS AND NUTS MAY BE 	8. REINFORCIN	NG STEEL SHALL BE INSPECTED PER CBC 1705 <u>FINISH SYSTEM:</u>	5A.3.			DATE 4/2/20 REV		
REQUIRED. 4. HARDENED STEEL WASHERS SHALL CONFORM TO ASTM F-436.	ALL BUILDINGS TI	THAT HAVE A POWDER-COATED FINISH SHALL N . FRAME SHALL BE SHOT-BLASTED TO A NEAR			:	REV DATE		
5. THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW ARE CRITICAL TO THE STRUCTURE'S DESIGN AND PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE THIS PHASE OF CONSTRUCTION WITH THE SPECIAL PROVIDE THE FREE TON OF THE FRAME. ALL POLTS SHALL	2. THE STEEL	- SHALL BE WASHED IN A ZINC PHOSPHATE IN ATEMENT PROCESS.						
BOLTING INSPECTOR AND THE INSPECTOR OF RECORD <u>PRIOR TO THE ERECTION OF THE FRAME</u> . ALL BOLTS SHALL BE INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341–16 J7; AISC 360–16 N5.6.	PRIMER(E-	LY FOLLOWING PRE-TREATMENT THE STEEL SHA -COAT) AND COATED TO A UNIFORM THICKNES	SS OF A MINIMU	JM OF 0.7 TO 0.9 MILS. THE E-CO	ATING SHALL			
A)PRETENSIONED JOINTS MUST BE INSTALLED AND INSPECTED TO MEET ONE OF THE FOLLOWING REQUIREMENTS: 1. TURN-OF-NUT PRETENSIONING	4. THE STEEL	A MINIMUM OF 1000 HOURS OF SALT SPRAY CO SHALL THEN HAVE A TGIC POLYESTER COLOR	COAT APPLIE	O OVER THE E-COATED SURFACE.				
2. CALIBRATED WRENCH PRETENSIONING	ULTRAVIOL	R COAT SHALL THEN HAVE A CLEAR TGIC COA LET LIGHT, TO HELP PREVENT FADING. H THICKNESS OF THESE THREE APPLICATIONS S) RESIST			
3. DIRECT-TENSION-INDICATOR PRETENSIONING (CONTRACTOR RESPONSIBLE FOR PURCHASE OF REQUIRED WASHERS) FOUNDATIONS:	7. ALL CARBO	ON STEEL MEMBERS (COLUMNS, BEAMS, PLATES	S, ETC.) NOT F	POWDER-COATED SHALL BE PAINTE				
1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 5 SOIL CLASSIFICATION PER CBC TABLE 1806A, UNLESS NOTED	OTHERWISE	·	ND THE AISC	SPECIFICATION SECTION MOTONLES	SS NOTED			
OTHERWISE. 2. PER CBC SECTION 1803A.2, GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME	ABBREVIATION	AMERICAN CONCRETE INSTITUTE	MPH	MILES PER HOUR				
BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE FAULT ZONESOR SIESMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2.	AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION ASSEMBLY (INTERNAL REFERENCE)	M	MULTI-RIB ROOF PANEL (MCEI NOT TO SCALE	_ROY)	2700 SATURN ST I BREA, CA 92821 T. 714.524.1870 F. 714.524.1875 WWW.JRMA.COM		
 FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D-1557 OR AS RECOMMENDED BY THE GEO-TECH ENGINEER. FLOODING NOT PERMITTED. 	ASTM	AMERICAN SOCIETY FOR TESTING AND MAT'LS	NO	NUMBER		PROFESS/ONAL		
 D-1557 OR AS RECOMMENDED BY THE GEO-TECH ENGINEER. FLOODING NOT PERMITTED. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, ETC. NECESSARY TO SUPPORT CUT AND/OR FILL BANKS DURING EXCAVATION, AND FORMING AND PLACEMENT OF CONCRETE. 	AWS CBC	AMERICAN WELDING SOCIETY CALIFORNIA BUILDING CODE	OC OSHA	ON CENTER OCCUPATIONAL HEALTH AND SAFE	TY ADMIN			
5. MINIMUM SETBACK FROM TOE OF SLOPE ON AN ASCENDING SLOPE SHALL BE 15 FEET AND MINIMUM SETBACK FROM TOE OF SLOPE ON A DESCENDING SLOPE SHALL BE 40 FEET	C JP	COMPLETE JOINT PENETRATION	PCF	POUNDS PER CUBIC FOO	T	UN Fleder		
6. PER CBC SECTION 1803A.6, GEOHAZARD REPORTS ARE NOT REQUIRED FOR ONE-STORY LIGHT-STEEL FRAME BUILDINGS OF TYPE II CONSTRUCTION AND 4,000 SQUARE FOOT OR LESS IN FLOOR AREA AND NOT LOCATED WITHIN EARTHQUAKE		CLEAR DEGREE	PJ PLC S	PRETENSIONED JOIN PLACES	T	OF CALIFORN		
FAULT ZONESOR SIESMIC HAZARD ZONES AS SHOWN ON THE MOST RECENT MAPS PUBLISHED BY THE CGS. 7. GEOHAZRD REPORTS ARE TO COMPLY WITH DSA IR A-4 PER IR-7 SECTION 1.8	DIA	DIAMETER DIMENSION	PLT PSF	PLATE POUNDS PER SQUARE FO		07/29		
8. SITE SPECIFIC GEOTECHNICAL REPORT IS REQUIRED AT THE TIME OF SITE APPLICATION IS USING OTHER THAN CLASS 5 SOIL, PER DSA IR PC-7	DSA	DIVISION OF THE STATE ARCHITECT	PSI	POUNDS PER SQUARE INC	-			
9. LATERAL BEARING HAS BEEN INCREASED PER CBC 1806A.3.4 & HAS BEEN DESIGNED FOR P-DELTA EFFECTS CONCRETE:	EQ FT	EQUAL FEET	QTY REF	QUANTITY REFERENCE				
1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE)	GA	GAGE INCHES	SQ SS	SQUARE STANDING SEAM ROOF PANEL (M				
STRENGTH Pc (28 DAYS)W/C RATIO (NON-AIR ENTRAINED)W/C RATIO (AIR ENTRAINED)SLUMP (±1")UNIT WEIGHT (NORMAL WEIGHT (NORMAL WEIGHT	T KSI	KIPS PER SQUARE INCH	TYP	TYPIC AL		ł		
4500 PSI 0.44 0.35 3" 150 PCF 2. CONCRETE MIX DESIGN PARAMETERS ARE GOOD FOR EXPOSURE CATEGORIES FO, F1 & F2. THE AIR	MAX MIN	MAXIMUM	UNO USGS	UNLESS NOTED OTHERWISE U.S. GEOLOGICAL SURVEY				
 ENTRAINMENT FOR THESE CATEGORIES SHALL BE AS FOLLOWS: F0-0, F1-4.5, F2-6 3. AGGREGATES SHALL CONFORM TO THE ASTM C-33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAT MAX AGGREGATE SIZE = 1". 4. CEMENT SHALL CONFORM TO ASTM C-150 (TYPE V) UNLESS NOTED OTHERWISE ON THE DRAWINGS. 5. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ALTERNATE METHODS WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED. 6. CONCRETE SHALL NOT FREE FALL MORE THAN FIVE FEET 	MISC	MISCELLANEOUS	W/	WITH	DIV. OF TH APP: 04- RE SS 🗹 FLS	APPROVED TE STATE ARCHITECT 120013 PC VIEWED FOR S I ACS I CG I 08/06/2021		
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	PROJECT NAME	_		SCHOOL	DISTRIC T:		
			FRAMF	DIMENSIONS	5		
-				GESTED			OTHER
STEP	FRAME WIDTH	[] 20'	X 30'	[] 40'		[]	(40' MAX)
	FRAME LENGTH	[] 44'	X 64'	[] 84'	[] 104'	[]	(NO MAX)
2			RC	OF PANEL			
STEP	ROOF PANEL TYPE		M M	[] G	[] S		
		PROJE		- Ss ACCEL 0. <u>642</u>	ERATION (c	j)	
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					Ss	REGIONS	MAX DEAD LOAD
-				Х	0 <	Ss <= 2.14	5 PSF
					2.14 <	< Ss <= 2.50	5 PSF
2	DESC RIPTION				2.50 <	< Ss <= 2.75	5 PSF
					2.75 <	< Ss <= 3.00	4 PSF
					Ss 2	> 3.73 MAX	3 PSF
			TOTAL ROO	DF DEAD LO	AD		
			DEAD	LOAD		EXAMF	PLES
	ROOF DECK		1.1	_ PSF	M=1.1PS	F; G=1.2PSF ;S=	=1.3PSF (SEE STEP 2
	COLLATERAL		0	_ PSF		LIGHTING	, ETC
	TOTAL		1.1	_ PSF	ADD F	OOF DECK AND	COLLATERAL LOADS

PRINTED ON :

DSA 103-19: LISTING OF STRUCTURAL TE	ESTS & SPECIAL INSPE	CTIONS. 2019 CBC	DSA 103-19: LISTING OF STRUCTURAL TESTS & SPEC	AL INSPE(• • •		DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC Application Number: School Name: School District:	DSA 103-19: LISTING OF STRUCT Application Number: School N
Application Number:School Name:04-000000ICON Shelter Systems		School District: PC Submittal	Application Number: School Name: 04-000000 ICON Shelter Systems DSA File Number: Increment Number:		School District: PC Submittal Date Created:		04-000000 ICON Shelter Systems PC Submittal DSA File Number: Increment Number: Date Created:	04-000000 ICON She DSA File Number: Increme
DSA File Number: Increment Number:		Date Created: 2021-07-14 05:50:33			2021-07-14 05:50:33		2021-07-14 05:50:33	
								5. RETAINING WALLS: Test or Special Inspection
	0010 00		Geotechnical Reports: Project has a geotechnical report, or	CDs indicat	e soils special inspection is required by GE		C. Compaction testing.TestLOR** Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix for exemptions where	a. Placement, compaction and inspectio
IMPORTANT: This form is only a summa	2019 CB(ry list of structural tests and	d some of the special inspections required for the project.	1. GENERAL: Table 170	5A.6			soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)	
Generally, the structural tests and special insp	ections noted on this form	are those that will be performed by the Geotechnical Engineer te test and inspection program must be performed as detailed	Test or Special Inspection Type	Performe By	d Code References and Notes			b. Placement of soil reinforcement and/o devices.
on the DSA approved documents. The append	dix at the bottom of this for	rm identifies work NOT subject to DSA requirements for special providing inspection of all facets of construction, including but	Image: a. Verify that: Periodi • Site has been prepared properly prior to placement of Periodi	C GE*	* By geotechnical engineer or his or her qualified rep (See Appendix for exemptions.)	presentative.	4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): Table 1705A.8	C. Segmental retaining walls; inspect pla units, dowels, connectors, etc.
not limited to, special inspections not listed on	this form such as structura	I wood framing, high-load wood diaphragms, cold-formed steel ., per Title 24, Part 2, Chapter 17A (2019 CBC).	controlled fill and/or excavations for foundations. Foundation excavations are extended to proper depth 				Test or Special Inspection Type Performed Code References and Notes	d. Concrete retaining walls.
		ocument are from the CBC, or California Building Code.	and have reached proper material. Materials below footings are adequate to achieve the design bearing capacity. 				Image: Continuous Image: Continu	e. Masonry retaining walls.
KEY TO COLUMNS							b. Verify pier locations, diameters, plumbness, bell Continuous GE* * By geotechnical engineer or his or her qualified representative. diameters (if applicable), lengths and embedment into Continuous GE* * By geotechnical engineer or his or her qualified representative.	6. OTHER SOIL Test or Special Inspection
1. TYPE		2. PERFORMED BY	2. SOIL COMPACTION AND FILL: Table 170 Test or Special Inspection Type		d Code References and Notes		bedrock (if applicable); record concrete or grout volumes.	a. Soil Improvements
Continuous – Indicates that a continuous special inspectio	n is	E – Indicates that the special inspection shall be performed by a egistered geotechnical engineer or his or her authorized epresentative.	a. Perform classification and testing of fill materials. Test	Ву	* Under the supervision of the geotechnical enginee	er	C. Confirm adequate end strata bearing capacity. Continuous GE* * By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)	
required		OR – Indicates that the test or special inspection shall be performed by a testing	b. Verify use of proper materials, densities and Continue		* By geotechnical engineer or his or her qualified rep	presentative. (Refer to	d. Concrete piers. Provide tests and inspections per CONCRETE section below.	b. Inspection of Soil Improvements
Periodic – Indicates that a periodic special inspection is rec	la P	boratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) rogram. See CAC Section 4-335.	inspect lift thicknesses, placement and compaction during placement of fill.		specific items identified in the Appendix for exempt testing may be conducted under the supervision of engineer or LOR's engineering manager. In such cas	a geotechnical		□ C.
	P	I – Indicates that the special inspection may be performed by a project aspector when specifically approved by DSA.			291 shall satisfy the soil SI and test reporting require items.)			
Test – Indicates that a test is required		I – Indicates that the special inspection shall be performed by an appropriately					DGS DSA 103-19 (Revised 07/16/2020)	
		ualified/approved special inspector.					DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA - Page 3 of 11	DIVISION OF THE STATE ARCHITECT
DGS DSA 103-19 (Revised 07/16/2020)			DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT DEPARTM					
DIVISION OF THE STATE ARCHITECT	DEPARTMENT OF GENERA Page 1 of 11			ENT OF GENERA Page 2 of 11		STATE OF CALIFORNIA		
			DSA 103-19: LISTING OF STRUCTURAL TESTS & SPE	CIAL INSPI	ECTIONS (Concrete), 2019 CBC			DSA 103-19: LISTING OF STRUCTU Table 1705A.3; ACI 318-14 Sections 26.12 & 26
DSA 103-19: LISTING OF STRUCTURAL TI Application Number: School Name:		School District:	Table 1705A.3; ACI 318-14 Sections 26.12 & 26.13 Application Number: School Name:		School District: PC Submittal		Application Number: School Name: School District: 04-000000 ICON Shelter Systems PC Submittal	Application Number: School Na 04-000000 ICON Shelt DSA File Number: Increment
04-000000 ICON Shelter Systems DSA File Number: Increment Number:		PC Submittal Date Created: 2021-07-14 05:50:33	04-000000 ICON Shelter Systems DSA File Number: Increment Number:		Date Created: 2021-07-14 05:50:33		DSA File Number: Increment Number: Date Created: 2021-07-14 05:50:33	
7. CAST-IN-PLACE CONCRE			17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM	USED FOR STR	UCTURAL PURPO		Image: Section 1.2; DSA IR 17-8. Image: Section 1.2; DSA IR 17-8.	19.1 SHOP WELDING:
Test or Special Inspection	Type Perform By	med Code References and Notes	Material Verification and Testing: Test or Special Inspection Type	e Perforr	ned Code References and Notes		Inspection of High-Strength Bolt Installation:	Test or Special Inspection
Material Verification and Testing: Image:	Periodic SI	Table 1705A.3 Item 5, 1910A.1.	Image: Constraint of a state of the stat	By dic *	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-1		C. Bearing-type ("snug tight") connections. Periodic SI Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.	☑ a. Inspect groove welds, multi-pass fillet w fillet welds > 5/16", plug and slot welds.
Image: Stress of the stress	Test LO	R 1910A.2; ACI 318-14 Section 26.6.1.2; DSA IR 17-10. (See Appendix for	• Mill certificates indicate material properties that compl with requirements. • Material sizes, types and grades comply wit		AISI S240-15 Section A3 & A5, AISI S220-15 Sections inspector or qualified technician when performed of		Image: Markov determinant Image:	
C. During concrete placement, fabricate specimens	Test LO	exemptions.) R Table 1705A.3 Item 6; ACI 318-14 Sections 26.5 & 26.12.	requirements. Tes	t LOF	2202A.1.		"Continuous" or "Periodic" depends on the tightening method used.	C. Inspect welding of stairs and railing syst
for strength tests, perform slump and air content tests, and determine the temperature of the concrete.			Image: C. Examine seam welds of HSS shapes Period				19. WELDI 1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-	 d. Verification of reinforcing steel weldabi other than ASTM A706.
✓ d . Test concrete (f _c).	Test LO	R 1905A.1.15; ACI 318-14 Section 26.12.	Inspection: d. Verify and document steel fabrication per DSA-approved Darie		Not applicable to cold-formed steel light-frame con	struction, except for	Verification of Materials, Equipment, Welders, etc.:	e. Inspect welding of reinforcing steel.
Inspection: Image: constraint of the section inspection inspectin inspection inspection inspectin inspection	See Notes SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant	construction documents.	dic SI	trusses (1705A.2.4).		Test or Special Inspection Type Performed Code References and Notes	
		inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. (See Appendix for exemptions.)	18. HIGH-STRENGTH BOLTS: RCSC 2 Material Verification and Testing of High-Strength Bolts, Nuts and Was	hers:			Image: Section of the section of t	23. ANCHOR BOLTS AND ANCHOR ROD Test or Special Inspection
Image: f. Welding of reinforcing steel.	Provide special inspe	ection per STEEL, Category 19.1(d) & (e) and/or 19.2(g) & (h) below.	Test or Special Inspection Typ		ned Code References and Notes		and the WPS. ☑ b. Verify weld filler material manufacturer's certificate of Periodic SI DSA IR 17-3.	Image: a. Anchor Bolts and Anchor Rods
			☑ a. Verify identification markings and manufacturer's Perio certificates of compliance conform to ASTM standards Perio	dic SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 36 and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 8	, , ,	compliance. Periodic SI DSA IR 17-3.	b . Threaded rod not used for foundation a
			specified in the DSA-approved documents.					
DGS DSA 103-19 (Revised 07/16/2020)			 DGS DSA 103-19 (Revised 07/16/2020)					DGS DSA 103-19 (Revised 07/16/2020) DIVISION OF THE STATE ARCHITECT
DIVISION OF THE STATE ARCHITECT	DEPARTMENT OF GENER Page 5 of 1		IA DIVISION OF THE STATE ARCHITECT DEPAR	MENT OF GENEF Page 6 of 1		STATE OF CALIFORNIA	IA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 7 of 11	
			DSA 103-19: LISTING OF STRUCTURAL TESTS & SPE	CIAL INSP	ECTIONS(SIGNATURE), 2019 CBC		DSA 103-19: LIST OF REQUIRED VERIFIED REPORTS, CBC 2019	
DSA 103-19: LISTING OF STRUCTURAL TE 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AI Application Number: School Name:		ECTIONS (Steel and Aluminum), 2019 CBC Stool District:	Application Number: School Name: 04-000000 ICON Shelter Systems		School District: PC Submittal		Application Number: School Name: School District: 04-000000 ICON Shelter Systems PC Submittal DSA File Number: Increment Number: Date Created:	
Application Number: School Name: 04-000000 ICON Shelter Systems DSA File Number: Increment Number:		PC Submittal Date Created:	DSA File Number: Increment Number:		Date Created: 2021-07-14 05:50:33		2021-07-14 05:50:33	
		2021-07-14 05:50:33						
			Name of Architect or Engineer in general responsible charge:				1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293	
							2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291	
23. ANCHOR BOLTS AND ANCHOR RODS:			Name of Structural Engineer (When structural design has been delegated):				, Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form	
Test or Special Inspection	Ву	med Code References and Notes	Signature of Architect or Structural Engineer: Date:					
a. Anchor Bolts and Anchor Rods	Test LO	procedures noted in DSA IR 17-11.	r Signature of Architect or Structural Engineer: Date:				⁴ . Report Form DSA 292	
b. Threaded rod not used for foundation anchorage.	Test LO	R Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.	Note: To facilitate DSA electronic mark-ups and identification stamp ap	plication, DSA r	ecommends against using secured electronic or digital sig	gnatures.		
					DSA	STAMP		
DGS DSA 103-19 (Revised 07/16/2020)			DGS DSA 103-19 (Revised 07/16/2020)	Th APL 17 C -			DGS DSA 103-19 (Revised 07/16/2020)	
DIVISION OF THE STATE ARCHITECT	DEPARTMENT OF GENER Page 9 of 1		DIMSION OF THE STATE ARCHITECT DEPAF	TMENT OF GENE Page 10 of		STATE OF CALIFORNIA	NIA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 11 of 11 Page 11 of 11	

School Name: School District: CON Shelter Systems PC Submittal ncrement Number: Date Created: 2021-07-14 05:50:33

	Туре	Performed By	Code References and Notes
ection of backfill.	Continuous	GE*	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See Section 2 above).
and/or drainage	Continuous	GE*	* By geotechnical engineer or his or her qualified representative
ct placement of	Continuous	GE*	* By geotechnical engineer or his or her qualified representative See DSA IR 16-3.
	Provide tests a	nd inspections	s per CONCRETE section below.
	Provide tests a	nd inspection:	s per MASONRY section below.
	Туре	Performed By	Code References and Notes
	Test	GE*	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS for final acceptance. * By geotechnical engineer or his or her qualified representative
5	Continuous	GE*	* By geotechnical engineer or his or her qualified representative

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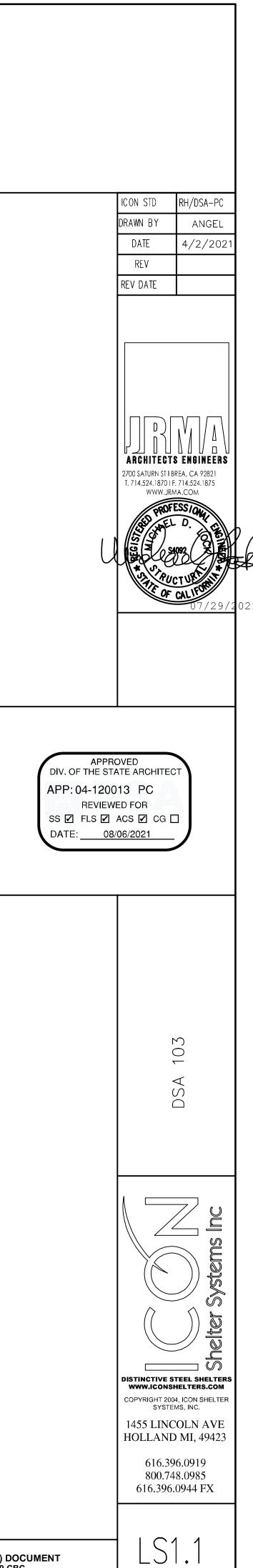
STATE OF CALIFORNIA

ICTURAL TESTS	& SPECIAL	INSPECT	IONS (Concrete), 2019 CBC
ol Name: Shelter Systems			School District: PC Submittal
ment Number:			Date Created: 2021-07-14 05:50:33
	Туре	Performed By	Code References and Notes
illet welds, single pass lds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
/16", floor and roof	Periodic	SI	1705A.2.2 , Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
g systems.	Periodic	SI	1705A.2.1 ; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
eldability	Perio di c	SI	1705A.3.1 ; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
el.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

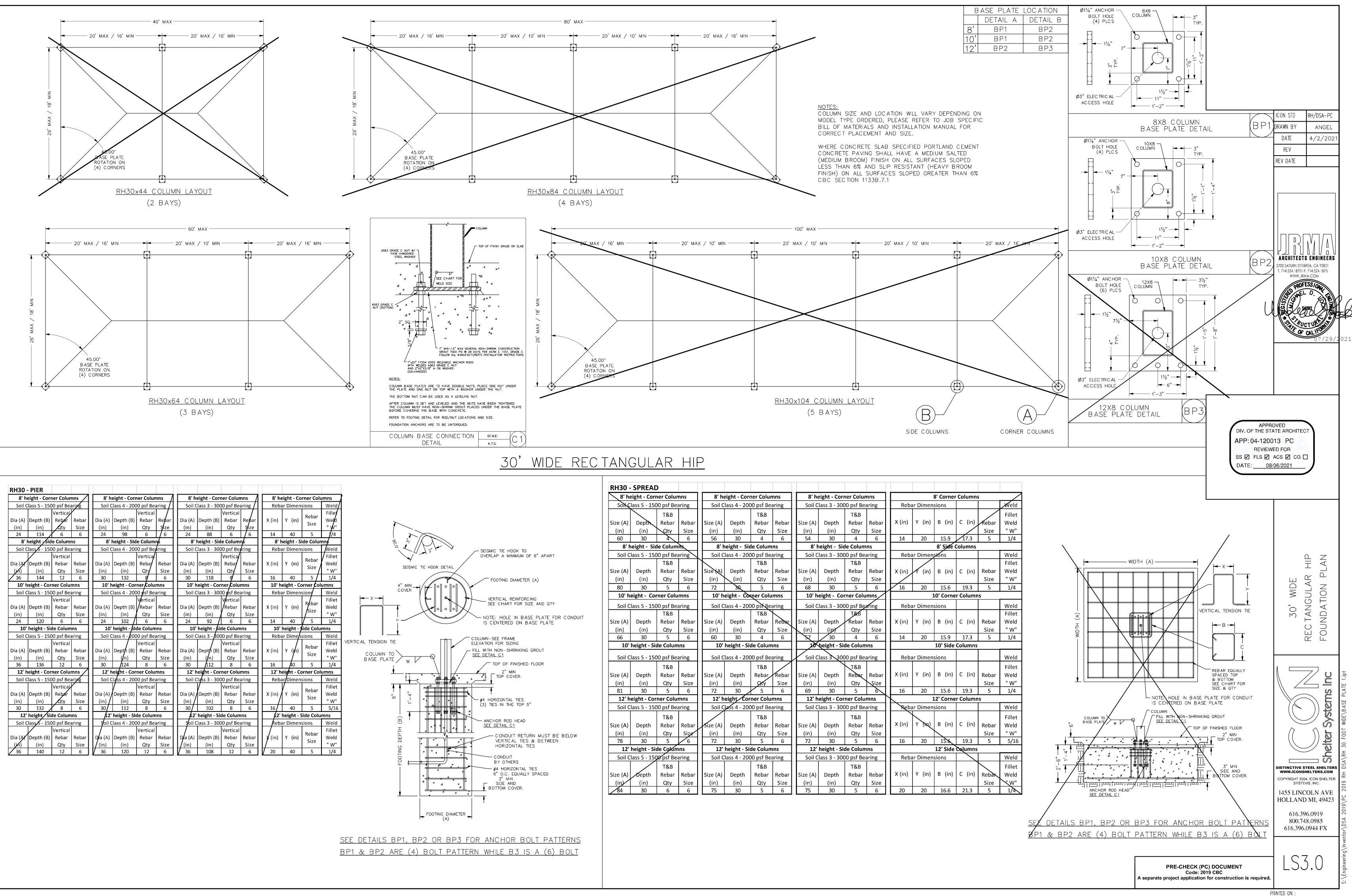
	Туре	Performed By	Code References and Notes
	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
ation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

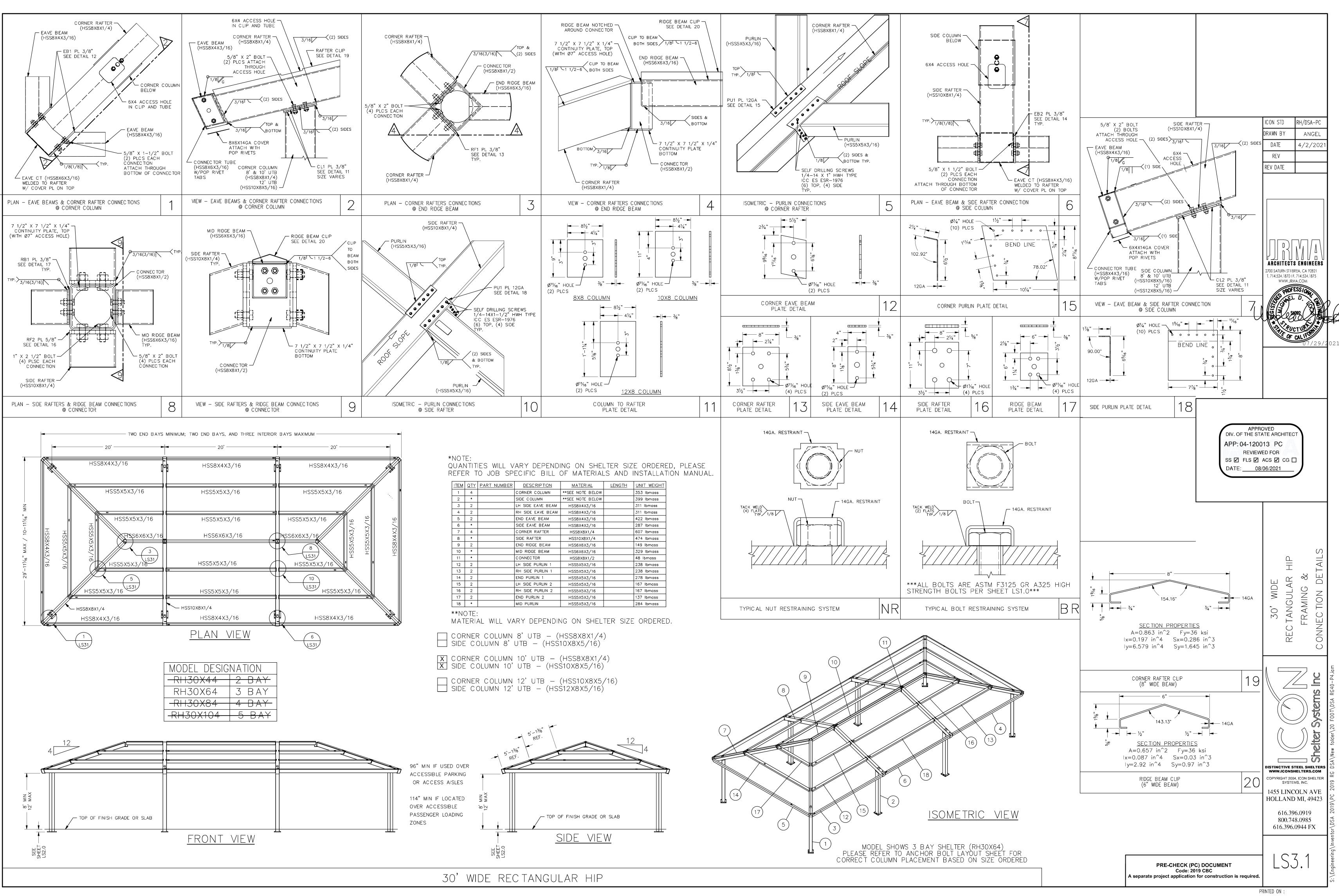
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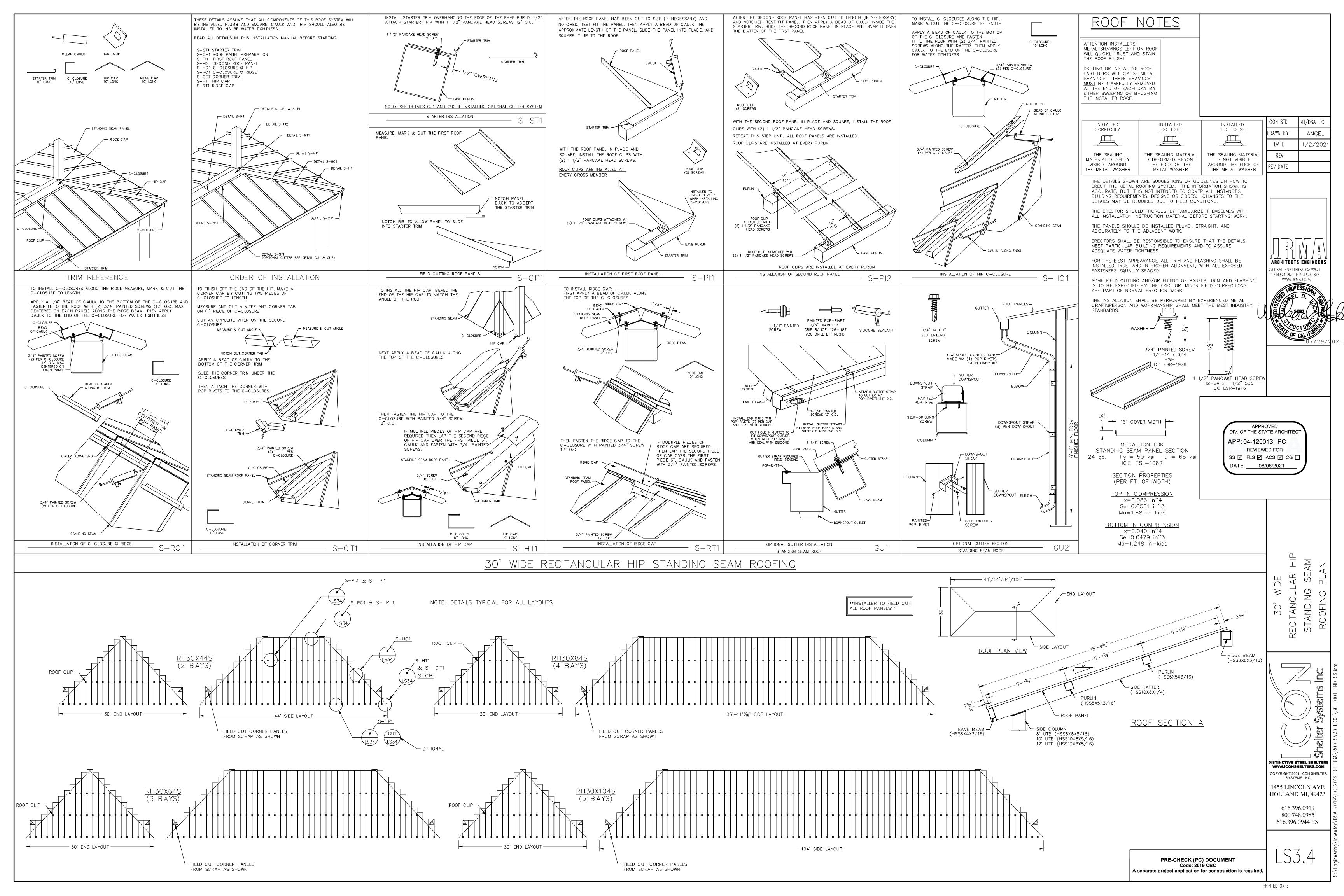
PRE-CHECK (PC) DOCUMENT Code: 2019 CBC A separate project application for construction is required.





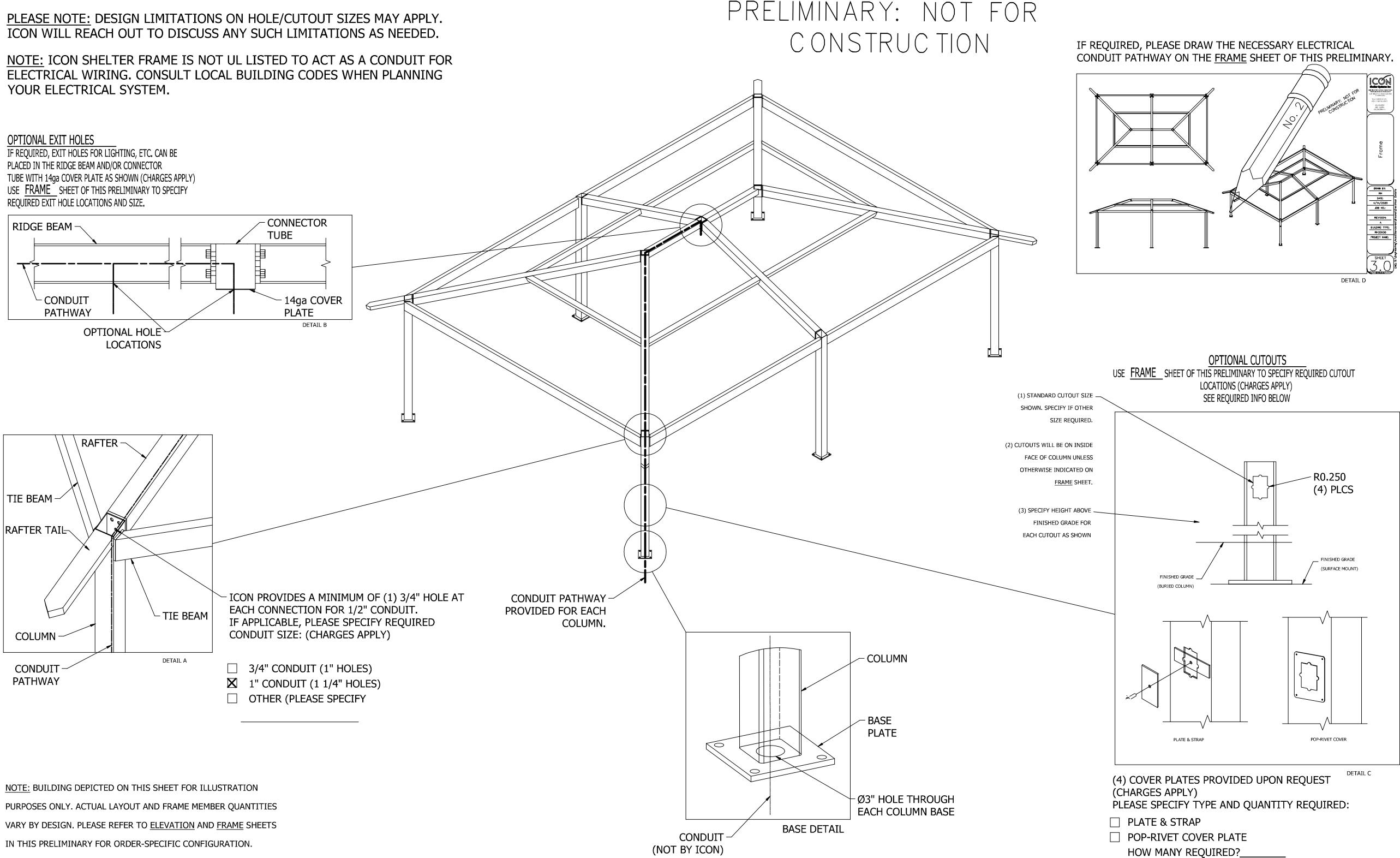
ORNER COLUMN 8' UTB - (HSS8X8X1/4)	
IDE COLUMN 8' UTB - (HSS10X8X5/16)	

<u>TEM</u>	<u>QTY</u>	PART NUMBER	<u>DESCRIPTION</u>	MATERIAL	<u>LENGTH</u>	UNIT WEIGHT
1	4		CORNER COLUMN	**SEE NOTE BELOW		353 Ibmass
2	*		SIDE COLUMN	**SEE NOTE BELOW		399 Ibmass
3	2		LH SIDE EAVE BEAM	HSS8X4X3/16		311 Ibmass
4	2		RH SIDE EAVE BEAM	HSS8X4X3/16		311 Ibmass
5	2		END EAVE BEAM	HSS8X4X3/16		422 Ibmass
6	*		SIDE EAVE BEAM	HSS8X4X3/16		287 Ibmass
7	4		CORNER RAFTER	HSS8X8X1/4		607 Ibmass
8	*		SIDE RAFTER	HSS10X8X1/4		474 Ibmass
9	2		END RIDGE BEAM	HSS6X6X3/16		149 Ibmass
10	*		MID RIDGE BEAM	HSS6X6X3/16		329 Ibmass
11	*		C ONNEC TOR	HSS8X8X1/2		48 Ibmass
12	2		LH SIDE PURLIN 1	HSS5X5X3/16		238 Ibmass
13	2		RH SIDE PURLIN 1	HSS5X5X3/16		238 Ibmass
14	2		END PURLIN 1	HSS5X5X3/16		278 lbmass
15	2		LH SIDE PURLIN 2	HSS5X5X3/16		167 Ibmass
16	2		RH SIDE PURLIN 2	HSS5X5X3/16		167 Ibmass
17	2		END PURLIN 2	HSS5X5X3/16		137 Ibmass
18	*		MID PURLIN	HSS5X5X3/16		284 Ibmass



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.



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)

