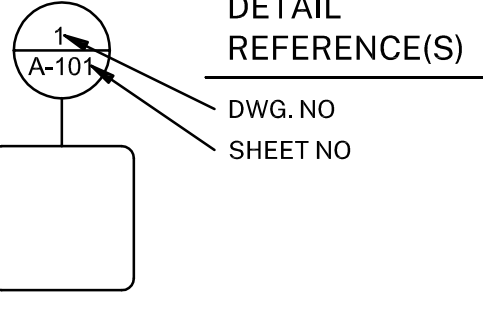
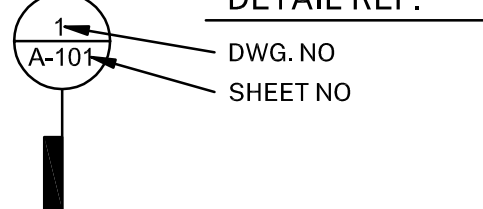
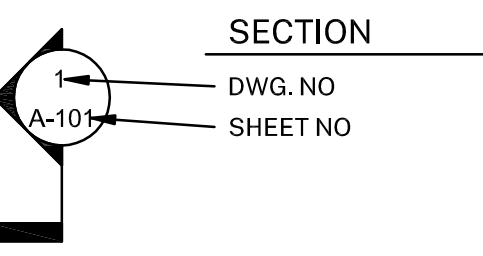
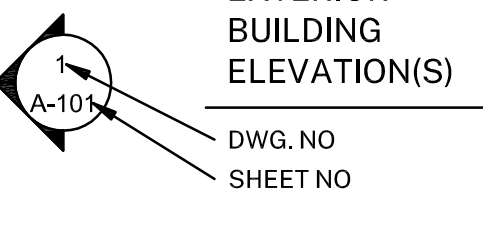


OWNERSHIP OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE TO THE PROPERTY OF HARTMANN ARCHITECTURE AND HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE USED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT © 2021 HARTMANN ARCHITECTURE STUDIO.

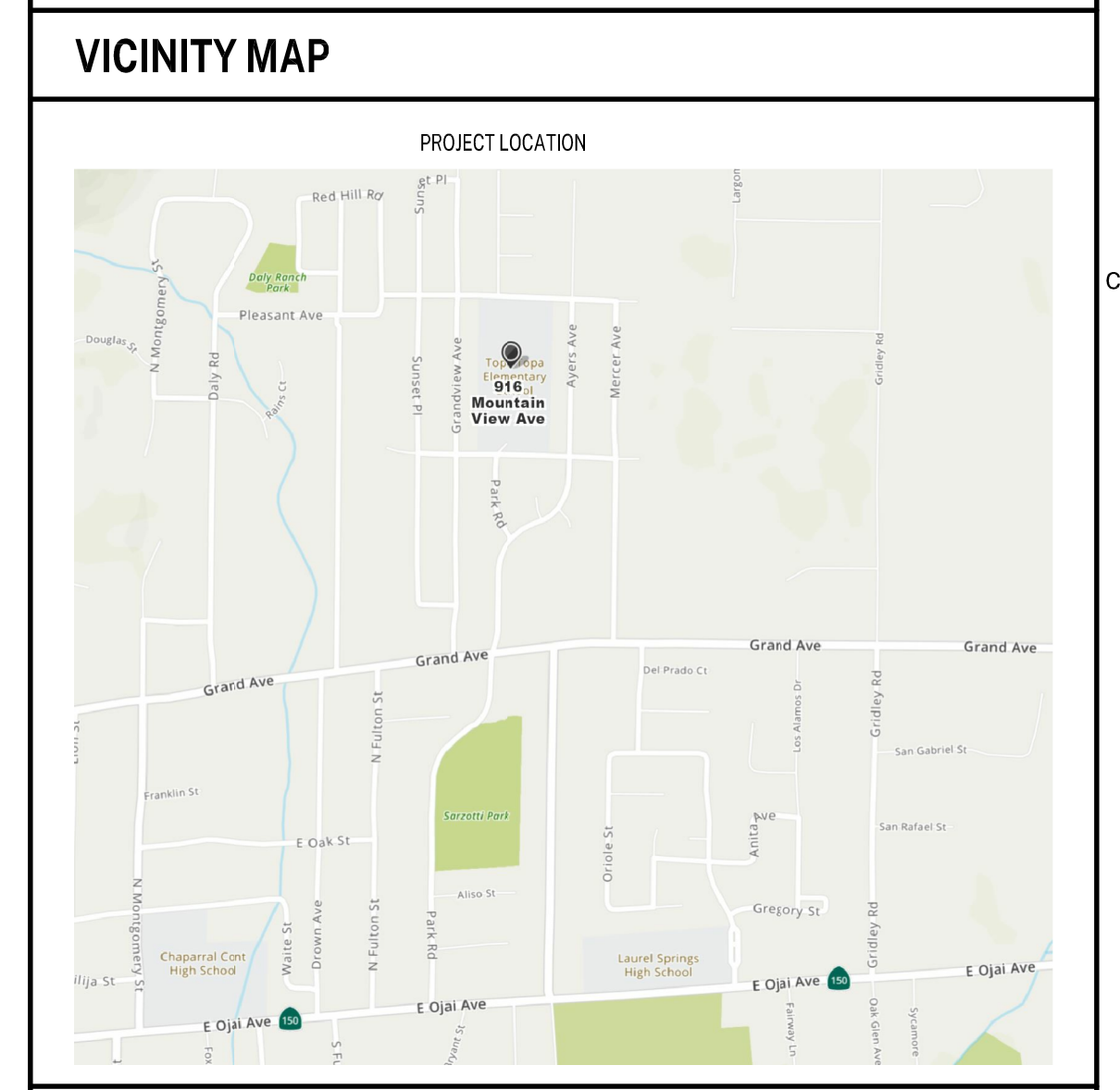
APPLICABLE CODES	
PARTIAL LIST OF APPLICABLE CODES AND STANDARDS AS OF JANUARY 1, 2020	
2019 CALIFORNIA BUILDING STANDARDS CODE (CAL. CODE REGS., TITLE 24)	
<ul style="list-style-type: none"> <li>• PART 1 - CALIFORNIA ADMINISTRATIVE CODE (CAC)</li> <li>• PART 2 - CALIFORNIA BUILDING CODE, VOLUMES 1 AND 2 (CBC)</li> <li>• PART 3 - CALIFORNIA RESIDENTIAL CODE (CRC)</li> <li>• PART 4 - CALIFORNIA MECHANICAL CODE (CMC)</li> <li>• PART 5 - CALIFORNIA PLUMBING CODE (CPC)</li> <li>• PART 6 - CALIFORNIA ENERGY CODE (CEC)</li> <li>• PART 7 - VACANT</li> <li>• PART 8 - CALIFORNIA HISTORICAL BUILDING CODE (CHBC)</li> <li>• PART 9 - CALIFORNIA FIRE CODE (CFC)</li> <li>• PART 10 - CALIFORNIA EXISTING BUILDING CODE (CEBC)</li> <li>• PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)</li> <li>• PART 12 - CALIFORNIA REFERENCED STANDARDS CODE</li> </ul>	
CALIFORNIA CODE OF REGULATIONS TITLE 19, PUBLIC SAFETY	
NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS:	
<ul style="list-style-type: none"> <li>• NFPA 10-18 STANDARD FOR PORTABLE FIRE EXTINGUISHERS</li> <li>• NFPA 13-16 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS</li> <li>• NFPA 14-16 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEM</li> <li>• NFPA 20-16 STANDARD FOR THE INSTALL. OF STATIONARY PUMPS FOR FIRE PROTECTION</li> <li>• NFPA 24-16 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES</li> <li>• NFPA 54-15 NATIONAL FUEL GAS CODE</li> <li>• NFPA 72-16 NATIONAL FIRE ALARM AND SIGNALING CODE</li> <li>• NFPA 80-16 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES</li> <li>• NFPA 101-18 LIFE SAFETY CODE</li> <li>• NFPA 105-16 STANDARD FOR SMOKE DOOR ASSEMBLIES AND OTHER OPENING PROTECTIVES</li> <li>• NFPA 170-18 STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS</li> <li>• NFPA 221-18 STANDARD FOR HIGH CHALLENGE FIRE WALLS, FIRE WALLS, AND FIRE BARRIER WALLS</li> <li>• NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATIONS, AND DEMOLITION OPERATIONS</li> <li>• NFPA 252-17 STANDARD METHODS OF FIRE TESTS DOOR ASSEMBLIES</li> <li>• NFPA 253-15 STANDARD METHOD OF TEST FOR CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS USING A RADIANT HEAT ENERGY SOURCE</li> <li>• NFPA 257-17 STANDARD FOR FIRE TEST FOR WINDOW AND GLASS BLOCK ASSEMBLIES</li> <li>• NFPA 720-15 STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE (CO) DETECTION AND WARNING EQUIPMENT</li> </ul>	
REFERENCE 2019 CBC CHAPTER 35 FOR NFPA STANDARDS AND CA AMENDMENTS	

SYMBOLS LEGEND	
	<b>DETAIL REFERENCE(S)</b> DWG. NO SHEET NO
	<b>DETAIL REF.</b> DWG. NO SHEET NO
	<b>SECTION</b> DWG. NO SHEET NO
	<b>EXTERIOR BUILDING ELEVATION(S)</b> DWG. NO SHEET NO



ABBREVIATIONS	
AB	ANCHOR BOLT
ABV	ABOVE
A/C	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ADJ	ADJACENT, ADJOINING, ADJUSTABLE
AUTO	AUTOMATIC
AVG	AVERAGE
BD	BOARD
BRG	BEARING
BM	BEAM
BN	BOUNDARY NAILING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BO	BOTTOM OF
BOT	BOTTOM
BLDG	BUILDING
BW	BOTH WAYS
CB	CARRIAGE BOLT
CEM	CEMENT
CF	CUBIC FOOT/FEET
CTR	CENTER (ED)
CLO	CLOSET
CLR	CLEAR (ANCE)
CO	CLEANOUT
COL	COLUMN (S)
CONC	CONCRETE
COORD	COORDINATE
CMU	CONCRETE MASONRY UNIT
CU FT	CUBIC FOOT
CJ	CEILING JOIST
CU YD	CUBIC YARD
CW	COLD WATER
(D)	DEMOLISH
DBL	DOUBLE
DEG	DEGREE (S)
DSGN(R)	DESIGNER
DL	DEAD LOAD
DTL	DETAIL (S)
DIA	DIAMETER
DIM	DIMENSION (S)
DMF	DOUGLAS FIR
DN	DOWN
DS	DOWN SPOUT
DW	DISHWASHER
DWG(S)	DRAWING (S)
(E)	EXISTING
E	EAST
EN	EDGE NAILING
EA	EACH
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EB	EXPANSION BOLT
EW	EACH WAY
EXP	EXPOSE (D)
EXT	EXTERIOR
FN	FIELD NAILING
FAB	FABRICAT (ED) (ION)
FAR	FLOOR AREA RATIO
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FG	FINISH GRADE
FLASH	FLASHING
FIN	FINISH
FF	FINISH FLOOR
FJ	FLOOR JOIST
FL	FLOOR LINE
FLL	FLOW LINE
FLR	FLOOR
FLUOR	FLUORESCENT
FOC	FACE OF CURB
FOW	FACE OF WALL
FS	FINISHED SURFACE
FT	FOOT, FEET
FTG	FOOTING
FDN	FOUNDATION
FN	FIELD NAILING
GA	GAUGE
GALV	GALVANIZED (D)
GC	GENERAL CONTRACTOR
GL	GLASS, GLAZING
GLB	GLUED LAMINATED WOOD BEAM
GPM	GALLONS PER MINUTE
GSM	GALVANIZED SHEET METAL
GYP	GYPSPUM
H&C	HOT AND COLD
HB	HOSE BIBB
HDR	HEADER
HP	HORSEPOWER
HVAC	HEATING/VENTILATION/A/C
HOR	HORIZONTAL
HT	HEIGHT
HW	HOT WATER
INCAND	INCANDESCENT
INCL	INCLUDED (D) (ING)
ID	INSIDE
ID	DIAMETER/DIMENSION INTERIOR DESIGN (ER)
IN	INCH (ES)
INS	INSULATE (D) (ING)
INSP	INSPECT (ING) (ION) (OR)
INT	INTERIOR
JOINT	JOINT
JOIST	JOIST
KITCHEN	KITCHEN
LB(S)	POUND (S)
LAM	LAMINATE (D)
LAV	LAVATORY
LDG	LEDGER
LL	LIVE LOAD
LOS	LINE OF SIGHT
LPT	LOW POINT
MB	MACHINE BOLT
MEMB	MEMBRANE
MFR	MANUFACTURER
MFR REC	MANUFACTURER'S RECOMMENDATIONS
MTRL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIUM
MLB	MICRO-LAM BEAM
MTL	METAL
KP	KING POST
MISC	MISCELLANEOUS
MO	MASONRY OPENING
(N)	NEW
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHANG, OVERHEAD
(P)	PROPOSED
P	POST
PLY	PLYWOOD
PT	POINT
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAR FOOT
PSI	POUNDS PER SQUARE INCH
PREFAB	PREFABRICATE (D)
PREP	PREPARE, PREPARATION
PFN	PREFINISH (ED)
PSL	PARALLEL STRAND LUMBER
PTDF	PRESSURE TREATED DOUGLAS FIR PLATE (S)
PL	PLATE (S)
POE	POINT OF ENTRY
RA	RETURN AIR
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFER (ANCE)
REQ	REQUIRE (D) (S)
RM	ROOM
RR	ROOF RAFTER
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SF	SQUARE FEET, FOOT (AGE)
SGL	SINGLE
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
S	SOUTH
SA	SUPPLY AIR
SQ	SQUARE
STAG	STAGGER (ED)
STL	STEEL
SSTL	STAINLESS STEEL
STD	STANDARD
STRUCT	STRUCTURAL, STRUCTURAL DWGS
TBD	TO BE DETERMINED
THK	THICK, THICKNESS
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T&P	TEMPERATURE AND PRESSURE
TO	TOP OF
TOC	TOP OF CONCRETE, TOP OF CURB
TOR	TOP OF GRADE
TOP	TOP OF PAVING, TOP OF PLATE
TOS	TOP OF SLAB
TOR	TOP OF ROOF
TOW	TOP OF WALL
TYP	TYPICAL
UGND	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
VAR	VARIABLE, VARIATION
VB	VAPOR BARRIER
VERT	VERTICAL
W	WEST
WD	WOOD
W/	WITH
W/O	WITHOUT
WP	WATERPROOF (ING)
WRB	WEATHER RESISTIVE BARRIER
YD	YARD

GENERAL PROJECT NOTES	
1.	ALL WORK SHALL CONFORM TO THE 2019 EDITION TITLE 24 CALIFORNIA CODE OF REGULATIONS (C.C.R.).
2.	THE DRAWINGS AND SPECIFICATIONS AND ALL COPIES THEREOF, ARE LEGAL INSTRUMENTS OF SERVICE FOR THE USE OF THE OWNER AND AUTHORIZED REPRESENTATIVE ON THE DESIGNATED PROPERTY ONLY. OTHER USE, WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ARCHITECT, IS PROHIBITED. SPECIFICATIONS, DETAILS AND SCHEDULES WHICH MAY BE BOUND SEPARATELY, ARE PART OF THESE CONTRACT DOCUMENTS. DRAWINGS BY SEPARATELY CONTRACTED CONSULTING PROFESSIONALS (SUCH AS STRUCTURAL, INTERIORS OR LANDSCAPE) ARE SUPPLEMENTARY TO THE DESIGN DRAWINGS AND ARE PART OF THESE CONTRACT DOCUMENTS.
3.	THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF INFORMATION IS NOT SHOWN OR IS UNCLEAR. REPORT APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
4.	THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVAL FOR ALL WORK.
5.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING THE WORK FOR ALL UTILITIES AND SERVICES.
6.	ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. QUESTIONS REGARDING THE SAME, OR THEIR EXACT MEANING, SHALL BE DIRECTED TO THE ARCHITECT.
7.	CODE REQUIREMENTS: ALL WORK TO COMPLY WITH DIVISION OF THE STATE ARCHITECT REGULATIONS AND CURRENT EDITION OF TITLE 24 CODE OF REGULATIONS.
8.	CONSTRUCTION IS TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF CALIFORNIA ADMINISTRATIVE CODE, TITLE 24.
9.	EXISTING CONDITIONS: CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS DESIGNATED AS, OR REQUIRED TO, INTERFACE WITH NEW CONSTRUCTION. REPORT ANY DISCREPANCIES, DEFICIENCIES, OR CONDITIONS INCOMPATIBLE WITH PROPOSED CONSTRUCTION PRIOR TO PROCEEDING.
10.	IT IS THE RESPONSIBILITY OF THE G.C. TO INSTALL ALL TEMPORARY BRACING AND SHORING TO ENSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM. DO NOT REMOVE EXISTING STRUCTURAL SUPPORTS OR BEARING WALLS WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
11.	DIMENSIONS/ NOTES/ DETAILS: DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD, AND IMMEDIATELY REPORT ANY DISCREPANCIES OR EXISTING AND PROPOSED VARIATIONS TO THE ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS. ALL WRITTEN DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY GENERAL NOTES OR DETAILS. CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS SIMILAR CONDITIONS DETAILED AND/OR INDICATED ON THE DRAWINGS. ANY WORK INSTALLED IN CONFLICT WITH THE DESIGN DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE.
12.	ALL EXTERIOR DIMENSIONS ARE TO ASSUMED FACE OF PLYWOOD SHEATHING OR FACE OF MASONRY UNO. INTERIOR DIMENSIONS ARE TO FACE OF GYPSUM BOARD FINISH OR CENTERLINE OF WALL UNO.
13.	ONLY APPROVED WORKING DRAWINGS, WITH THE STATEMENT "APPROVED DRAWINGS", ARE TO BE USED FOR CONSTRUCTION OF THIS PROJECT. CONTRACTORS USING OTHER THAN APPROVED DRAWINGS ARE SOLELY RESPONSIBLE FOR SUCH WORK.
14.	GEOTECHNICAL REPORTS ARE NOT INCLUDED IN THE CONTRACT DOCUMENTS, BUT MAY BE MADE AVAILABLE TO THE CONTRACTOR FOR INFORMATION ONLY. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS THE CONTRACTOR MAY DRAW FROM SUCH INFORMATION. THE CONTRACTOR SHALL INVESTIGATE AND DETERMINE EXISTING SOILS AND SITE CONDITIONS UNDER WHICH CONTRACTOR WILL OPERATE IN PERFORMING THE WORK.
15.	THE CONTRACTOR IS TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF DEMOLITION AND CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL RESTRICT GENERAL PUBLIC ACCESS TO THE DEMOLITION, CONSTRUCTION, AND STORAGE AREAS.
16.	HAZARDOUS MATERIALS ARE NOT TO BE STORED IN THE BUILDING, NOR USED IN CONSTRUCTION, IN QUANTITIES EXCEEDING THOSE SPECIFIED IN THE CBC.
17.	DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXISTENCE AND PRECISE LOCATION OF UNDERGROUND PIPING AND OTHER STRUCTURES WHICH MAY BE AFFECTED BY CONSTRUCTION. PROMPTLY NOTIFY EACH UTILITY COMPANY, MUNICIPALITY, OR OTHER AGENCY OWNING OR OPERATING ANY AFFECTED FACILITIES OR STRUCTURES, AND REQUEST ENGINEERING INFORMATION AND MARKING OF FACILITIES IN FIELD, PRIOR TO COMMENCING ANY WORK ON THE SITE. REMOVE ALL ITEMS SPECIFIED TO BE ABANDONED, AND TAKE CARE TO PREVENT ANY DAMAGE TO, OR DISRUPTION OF, ITEMS TO REMAIN.
18.	WHERE FIRE-RATED WALL OR CEILING ASSEMBLIES ARE PENETRATED BY RECESSED FIXTURES, MECHANICAL DUCTS, OR OTHER ITEMS, THE FIXTURES, DUCTS, OR OTHER ITEMS SHALL BE FIRE-RATED TO MATCH THE WALL OR CEILING ASSEMBLY.
19.	UNO. ALL EXTERIOR DOORS SHALL LIMIT AIR INFILTRATION WHEN IN CLOSED POSITION AS FOLLOWS: PROVIDE WEATHERSTRIPPING AT HEAD, SILL AND JAMBS. INSTALL ASTRAGAL AT MEETING PORTION OF DOUBLE DOORS. DOORS REQUIRING VERTICAL TRACKS OR GUIDES SHALL USE CONTINUOUS MOUNTING ANGLE AND SHALL BE SEALED TO LIMIT AIR LEAKAGE.
20.	CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACKING, HANGERS, BACK-UP PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ROOM ACCESSORIES, FIXTURES, PARTITIONS, AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, KITCHEN, ELECTRICAL OR MISCELLANEOUS EQUIPMENT AND FURNISHING.
21.	CONTRACTOR SHALL VERIFY EXACT SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PADS, BASE STRUCTURES, ROOF OPENINGS, AS WELL AS POWER, WATER, DRAIN INSTALLATIONS AND STRUCTURAL STEEL SUPPORT LOCATIONS, WHEN APPLICABLE, WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK. CHANGES TO ACCOMMODATE FIELD CONDITIONS OR APPROVED SUBSTITUTIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
22.	ALL PIPES, CONDUIT, WIRES, AND DUCTS SHALL BE CONCEALED FROM VIEW UNO.
23.	ALL GLAZING INSTALLED IN HAZARDOUS LOCATIONS, AS DEFINED BY CBC CHAPTER 24, SHALL BE TEMPERED GLASS. SKYLIGHTS ARE TO BE TEMPERED GLASS OR FIBERGLASS AS SPECIFIED.
24.	INSTALL SEALANT AT JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOF, BETWEEN WALL PANELS, AND AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE, TO LIMIT AIR INFILTRATION.
25.	THE CONTRACTOR SHALL PROVIDE THE OWNER A LIST OF THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING, AND INSTRUCTIONS ON HOW TO USE THEM EFFICIENTLY. THE INSTRUCTIONS SHALL BE CONSISTENT WITH SPECIFICATIONS SET FORTH BY THE EXECUTIVE DIRECTOR OF THE STATE ENERGY COMMISSION. THE ENERGY "CERTIFICATION OF COMPLIANCE" SHALL BE SUBMITTED AFTER THE INSTALLATION OF THE REQUIRED EQUIPMENT AND/OR MATERIAL, AND PRIOR TO ANY REQUEST FOR A FINAL INSPECTION.
26.	ITEMS IN THESE DRAWINGS NOT SPECIFICALLY IDENTIFIED AS EXISTING ARE ASSUMED TO BE NEW
27.	ALL ASTM AND/OR ANSI DESIGNATIONS REFERRED TO ON THESE DRAWINGS SHALL BE THE LATEST ADOPTED OR REVISED SPECIFICATIONS.
28.	MATERIAL AND EQUIPMENT NECESSARY FOR WORK SHALL NOT BE PLACED OR STORED ON PUBLIC PROPERTY SO AS TO OBSTRUCT A FREE AND CONVENIENT APPROACH TO AND USE OF ANY FIRE HYDRANT, FIRE OR POLICE ALARM BOX, UTILITY BOX, CATCH BASIN OR MANHOLE OR SO AS TO INTERFERE WITH THE FREE FLOW OF WATER IN STREET OR ALLEY GUTTER. PROTECTION AGAINST DAMAGE SHALL BE PROVIDED TO SUCH UTILITY FIXTURES DURING THE PROGRESS OF THE WORK, BUT SIGHT OF THEM SHALL NOT BE OBSTRUCTED.
29.	WHERE NOT SPECIFICALLY DESCRIBED IN ANY OF THE NOTES OR SPECIFICATIONS, WORKMANSHIP SHALL CONFORM TO THE METHODS AND OPERATIONS OF BEST STANDARDS AND ACCEPTED PRACTICES OF THE RESPECTIVE TRADE.
30.	CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AND PLACED SO AS NOT TO ENDANGER THE PUBLIC, THE WORKERS OR ADJOINING PROPERTY FOR THE DURATION OF THE CONSTRUCTION PROJECT.
31.	REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES DURING REMODELING, ALTERATIONS, REPAIRS OR ADDITIONS TO THE BUILDING UNLESS THE REQUIRED ELEMENTS OR DEVICES ARE BEING REMODELED, ALTERED, OR REPAIRED IN WHICH CASE ADEQUATE SUBSTITUTE PROVISIONS SHALL BE MADE.
32.	SERVICE UTILITY CONNECTIONS SHALL BE DISCONTINUED AND CAPPED IN ACCORDANCE WITH THE APPROVED RULES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
33.	SANITARY FACILITIES SHALL BE PROVIDED DURING CONSTRUCTION, REMODELING, OR DEMOLITION ACTIVITIES IN ACCORDANCE WITH 2019 CPC.
34.	AREAS OF CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NOT LESS THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER PER 2019 CPC.
35.	REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, DEMOLITION, REMODELING, ALTERATIONS, AND ADDITIONS TO BUILDING UNLESS APPROVED TEMPORARY MEANS OF EGRESS SYSTEMS AND FACILITIES HAVE BEEN PROVIDED.
36.	PENETRATIONS OF FIRE-RESISTANCE-RATED WALLS AND HORIZONTAL ASSEMBLIES SHALL BE PROTECTED AS REQUIRED IN CBC SECTIONS 714.4 AND 714.5.
37.	MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION.
38.	IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE SUPERVISION OF THE CONSTRUCTION WORK TO ENSURE THAT IT IS BUILT IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE ARCHITECT WILL PROVIDE ONLY PERIODIC OBSERVATION OF THE WORK. SEE DSA INSPECTION REQUIREMENTS LISTED IN NOTE 46.
39.	GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
40.	CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND THE STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.
41.	ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR APPROVED BY DSA.
42.	ALL BRACING OF DUCTS AND PIPINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE AND SMACNA GUIDELINES AS APPROVED BY DSA (CBC WILL GOVERN WHERE CONFLICTS OCCUR). THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND FIELD ENGINEER. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA AND APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.
43.	SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24 C.C.R., A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
44.	CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, T24 C.C.R.
45.	A DSA CERTIFIED INSPECTOR WITH CLASS 3 SHALL BE EMPLOYED BY THE DISTRICT AND SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTION ARE DEFINED IN SECTION 4-342, PART 1, T24, C.C.R. THREE PROJECT INSPECTOR IS TO BE CERTIFIED BY DSA TO INSPECT.
46.	A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
47.	ALL WORK (AS APPLICABLE) MUST MEET THE MANDATORY MEASURES OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS (CAL GREEN) CODE (TITLE 24, PART 11)
48.	THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, 2019 CBC CHAPTER 16A. ANCHORAGE DETAILS SHALL BE SHOWN ON THE PLANS.

DRAWING SHEET INDEX	
G-000	TITLE SHEET
A-101	SITE PLAN
A-102	ENLARGED SITE PLAN, ELEVATIONS & SECTIONS
A-103	SITE DETAILS
S1	GENERAL NOTES & DETAILS
S2	FOUNDATION PLAN & DETAILS
E100	DETAILS
E200	SITE ELECTRICAL PLAN
E201	PARTIAL SITE ELECTRICAL PLAN
E202	PARTIAL SITE ELECTRICAL PLAN
E300	SINGLE LINE DIAGRAMS EXISTING
E301	SINGLE LINE DIAGRAM PROPOSED
E400	MSB SHOP DRAWINGS
E500	ELECTRICAL DETAILS
TOTAL NO OF SHEETS: 14	

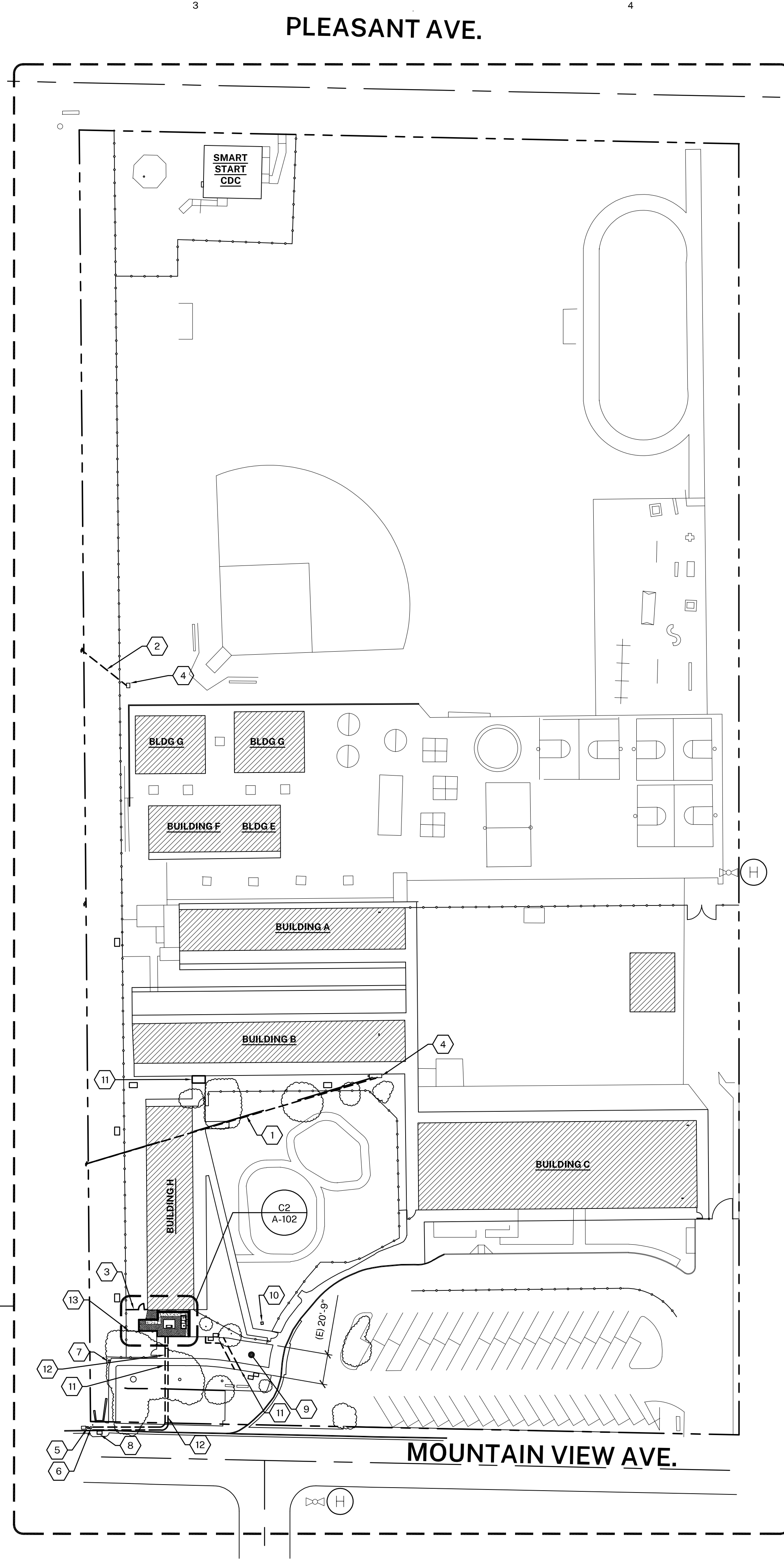


SPECIAL INSTRUCTIONS	
NONE	
BID ALTERNATES	
NONE	
DEFERED SUBMITTALS	
NONE	
GEOTECHNICAL REPORT	
NONE	
PROJECT SCOPE	
THE WORK INCLUDES THE CONSTRUCTION OF A NEW ELECTRICAL EQUIPMENT ENCLOSURE IN FRONT OF THE SCHOOL AND THE INSTALLATION OF A NEW TRANSFORMER AND SWITCHBOARD TO SERVE THE SCHOOL. TWO EXISTING ELECTRICAL METERS AND SWITCHBOARDS WILL REMAIN IN PLACE AND BE ENERGIZED FROM THE NEW SERVICE. THE ENCLOSURE WILL BE CONSTRUCTED WITH CONCRETE MASONRY UNITS AND CHAIN LINK FENCING. THE PROPOSED ENCLOSURE IS ADJACENT TO AN EXISTING BUILDING, SO SLOTTED WALL CONSTRUCTION IS SPECIFIED AND DETAILED.	

AGENCY APPROVAL:		
 HARTMANN ARCHITECTURE STUDIO.COM 430 S. CARRILLO RD. OJAI, CALIFORNIA 93023 (805) 798-2253		
CONSULTANTS:		
STRUCTURAL ENGINEERING: VINCI & ASSOCIATES 175 E. WILBUR RD. STE. 103 THOUSAND OAKS, CA 91360 (805) 496-2100 CONTACT: JAMES VINCI SE EMAIL: jim@vincise.com		
ELECTRICAL ENGINEERING: FERRANTI ENGINEERING 1211 MARICOPA HWY. STE. #250 OJAI, CA 93023 (805) 705-4772 CONTACT: DALE FERRANTI, EE, LEED AP ID+C EMAIL: daleferranti@live.com		
SEALS:		
 <b>Preliminary</b> 04/26/2021 2:33:13 PM		
PROJECT:		
<b>NEW ELECTRICAL SERVICE &amp; SITE IMPROVEMENTS</b>		
OWNER:		
OJAI UNIFIED SCHOOL DISTRICT 414 EAST OJAI AVENUE OJAI, CA 93023 (805) 640-4300 CONTACT: ADAM DUTTER EMAIL: adutter@ojaisud.org		
PROJECT ADDRESS:		
TOPA TOPA ELEMENTARY SCHOOL 916 MOUNTAIN VIEW AVENUE OJAI, CA 93023		
ISSUE:		
MARK	DATE	DESCRIPTION
PROJECT INFORMATION:		
PROJECT NUMBER:	2020.011	
PROJECT PHASE:	04CONDOC	
DRAWN BY:	MEH	
REVIEWED BY:	MEH	
THE ORIGINAL SIZE OF THIS SHEET IS 20"x24". IF THE CURRENT SCALE IS OTHER THAN 3/8"=1'-0", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.		
SHEET TITLE:		
<b>TITLE SHEET</b>		
SHEET NUMBER:		
<b>G-000</b>		
DATE: 03/31/2021		

BLDG. NO.	BUILDING USE	OCC.	CONST. TYPE	EXIST. AFSS (Y/N)	PROP. AFSS (Y/N)	ALLOW. NO. STOR.	ALLOW. AREA (SF)	ALLOW. HT. (FT)	EXIST. NO. STOR.	EXIST. AREA (SF)	EXIST. HT. (FT)	DSA A# / APPR #
A	CLASSROOMS	E	VB	N	N	1	9,500	40	1	-	-	APPR 15970, 03-107639
B	CLASSROOMS	E	VB	N	N	1	9,500	40	1	-	-	APPR 15970, 03-107639
C	ADMIN & CLASSROOMS	E	VB	N	N	1	9,500	40	1	-	-	APPR 22796, 03-107639
D	CLASSROOMS	E	VB	N	N	1	9,500	40	1	-	-	APPR 49980
E	CLASSROOMS	E	VB	N	N	1	9,500	40	1	-	-	APPR 52586
F	CLASSROOMS	E	VB	N	N	1	9,500	40	1	-	-	APPR 55792
G	CLASSROOMS	E	VB	N	N	1	9,500	40	1	-	-	03-103364
H	KINDERGARTEN	E	VB	N	N	1	9,500	40	1	-	-	03-106187
	SMART START CDC	E	VB	N	N	1	9,500	40	1	-	-	03-107067

DSA CERTIFICATION STATUS: THERE ARE NO UNCERTIFIED PROJECTS AT THIS CAMPUS.



**(A1) SITE PLAN**  
 1"=50'-0"  
 0' 25' 50' 100'

### GENERAL NOTES

- ALL TREES TO REMAIN, PROTECT IN PLACE.
- MAINTAIN ACCESS TO ALL EXISTING PARKING LOTS DURING CONSTRUCTION.
- MAINTAIN AN ACCESSIBLE PEDESTRIAN PATH OF TRAVEL DURING CONSTRUCTION.
- MAINTAIN ACCESS TO ALL EXISTING BUILDINGS DURING CONSTRUCTION.

### SYMBOL LEGEND

--- PROPERTY LINE

(E) FIRE HYDRANT

### SHEET KEYNOTES

- (E) UNDERGROUND POWER LINES, SEE ELECTRICAL DRAWINGS
- (E) OVERHEAD POWER LINE, SEE ELECTRICAL DRAWINGS
- (E) CHAIN LINK FENCE AND ACCESS GATE, REMOVE
- (E) SWITCHBOARD AND DISTRIBUTION BOARD, SEE ELECTRICAL DRAWINGS
- (E) UTILITY POLE, SEE ELECTRICAL DRAWINGS
- (E) WATER METER, TO REMAIN, PROTECT IN PLACE
- (E) GAS METER, TO REMAIN, PROTECT IN PLACE
- (E) STORM DRAIN, TO REMAIN, PROTECT IN PLACE
- (E) ASPHALT CONCRETE FIRE APPARATUS ACCESS ROAD, TO REMAIN, CUT/PATCH AS REQUIRED TO CARRY OUT WORK, REFERENCE DSA A# 03-106187
- (E) STORM DRAIN INLET, TO REMAIN, PROTECT IN PLACE
- (E) CONCRETE SIDEWALK, REMOVE AS REQUIRED FOR WORK AND REPLACE, SEE A/A-103, REMOVE AND REPLACE ENTIRE PANELS OF WALK, FINISH EDGES TO BE FLUSH WITH ADJACENT SURFACES
- (E) ASPHALT CONCRETE PAVING, REMOVE AS REQUIRED FOR WORK AND REPLACE, FINISH EDGES TO BE FLUSH WITH ADJACENT SURFACES
- (E) BIKE RACK AREA, TO REMAIN, REMOVE AND REINSTALL FENCING, RACKS, ETC. AS NEEDED TO COMPLETE WORK

AGENCY APPROVAL:

**HARTMANN ARCHITECTURE STUDIO**  
 HARTMANNARCHITECTURESTUDIO.COM  
 430 S. CARRILLO RD.  
 OJAI, CALIFORNIA 93023  
 (805) 798-2253

CONSULTANTS:  
 STRUCTURAL ENGINEERING:  
 VINCI & ASSOCIATES  
 175 E. WILBUR RD. STE. 103  
 THOUSAND OAKS, CA 91360  
 (805) 496-2100  
 CONTACT: JAMES VINCI SE  
 EMAIL: jim@vincise.com

ELECTRICAL ENGINEERING:  
 FERRANTI ENGINEERING  
 1211 MARICOPA HWY. STE. #250  
 OJAI, CA 93023  
 (805) 705-4772  
 CONTACT: DALE FERRANTI, EE, LEED AP ID+C  
 EMAIL: daleferranti@live.com

SEALS:  
  
**Preliminary**  
 04/26/2021 2:33:36 PM

PROJECT:  
**NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS**

OWNER:  
 OJAI UNIFIED SCHOOL DISTRICT  
 414 EAST OJAI AVENUE  
 OJAI, CA 93023  
 (805) 640-4300  
 CONTACT: ADAM DUTTER  
 EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:  
 TOPA TOPA ELEMENTARY SCHOOL  
 916 MOUNTAIN VIEW AVENUE  
 OJAI, CA 93023

MARK	DATE	DESCRIPTION

PROJECT INFORMATION:  
 PROJECT NUMBER: 2020.011  
 PROJECT PHASE: 04CONDOC  
 DRAWN BY: MEH  
 REVIEWED BY: MEH

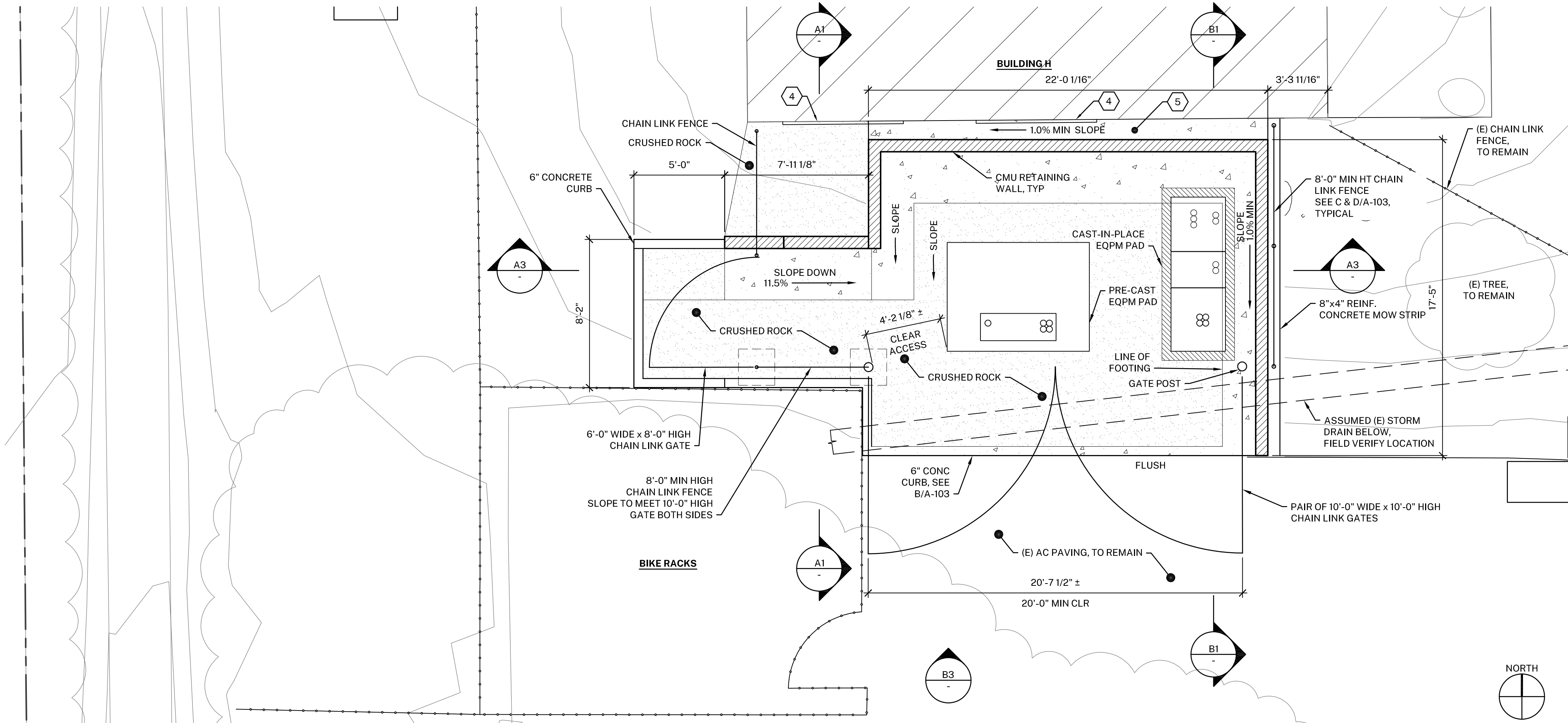
THE ORIGINAL SIZE OF THIS SHEET IS 36"X24". IF THE CURRENT SIZE IS OTHER THAN 36"X24", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

SHEET TITLE:  
**SITE PLAN**

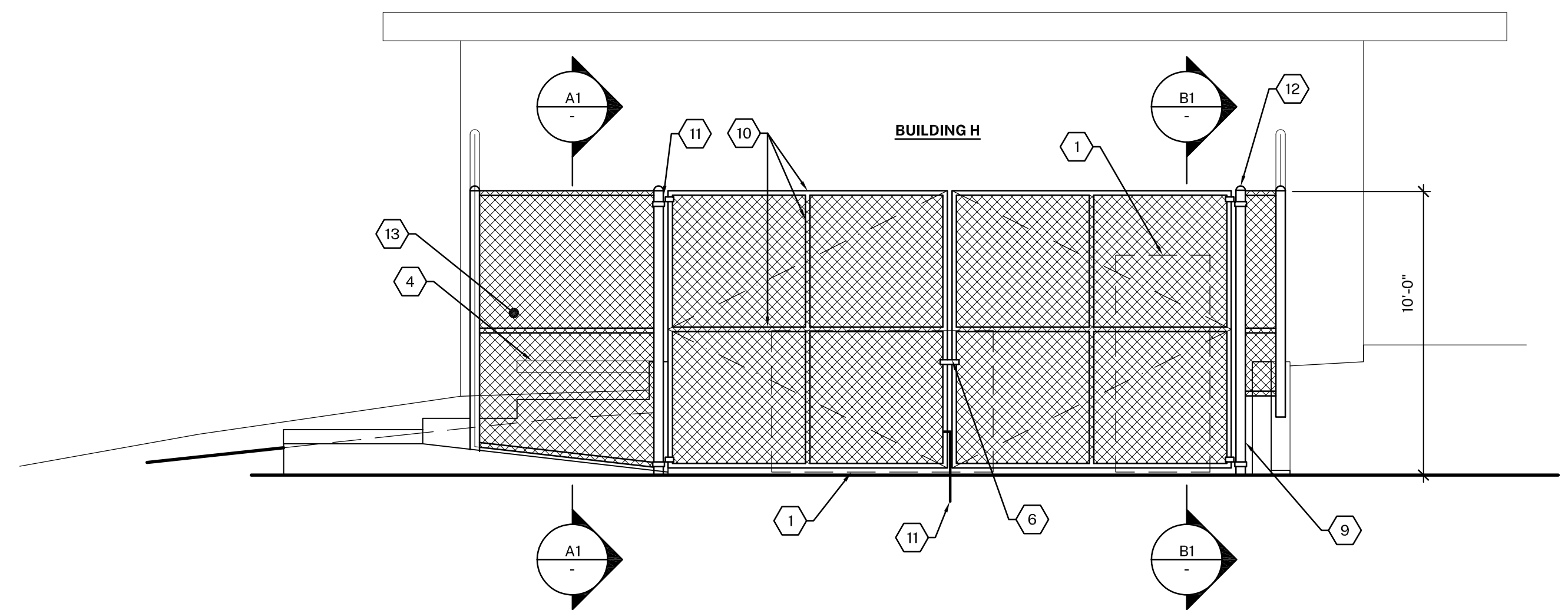
SHEET NUMBER:  
**A-101**

DATE: 03/31/2021

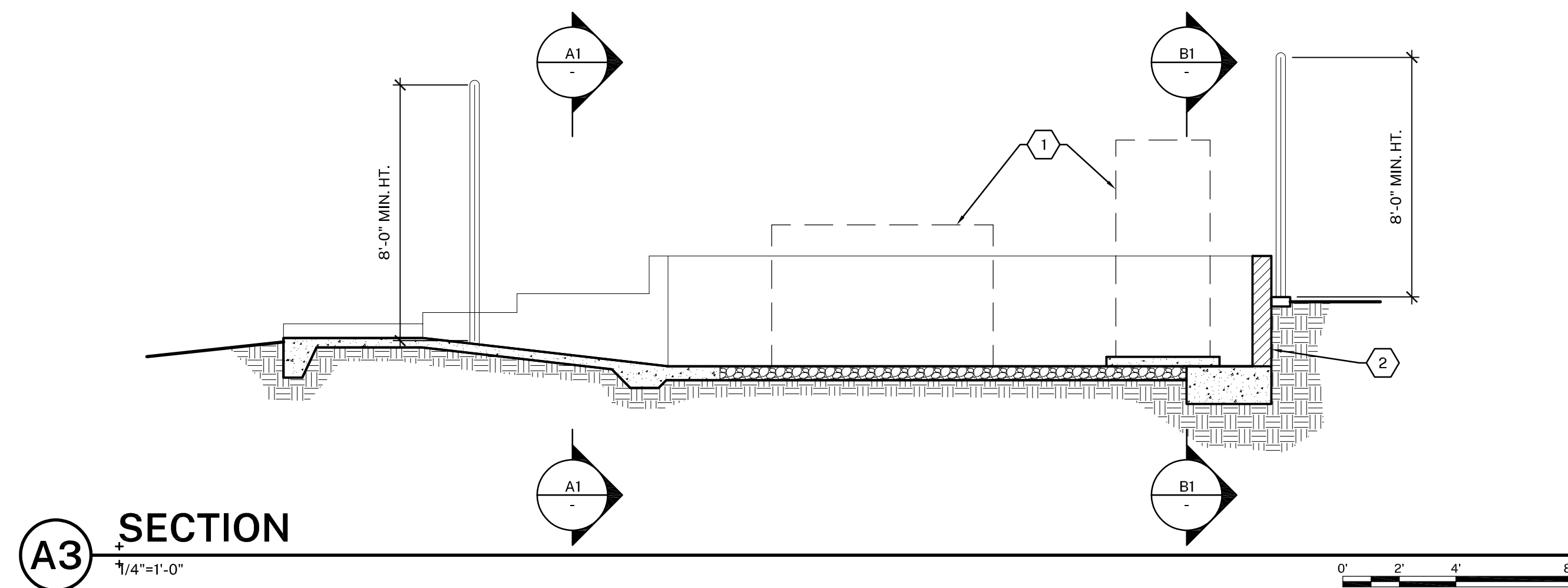
OWNERSHIP OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT © HARTMANN ARCHITECTURE STUDIO 2021.



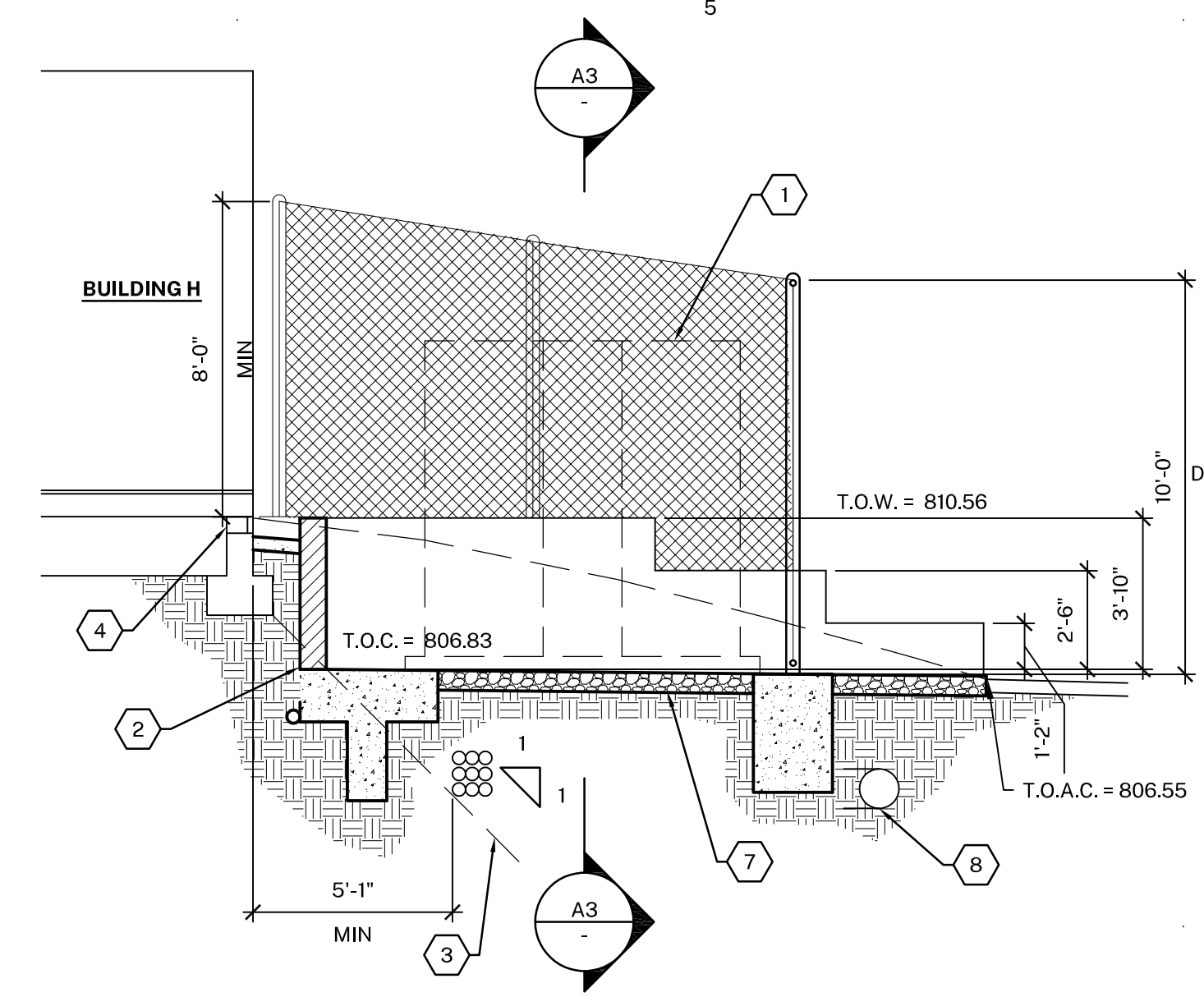
**C2** ENLARGED SITE PLAN  
1/4"=1'-0"



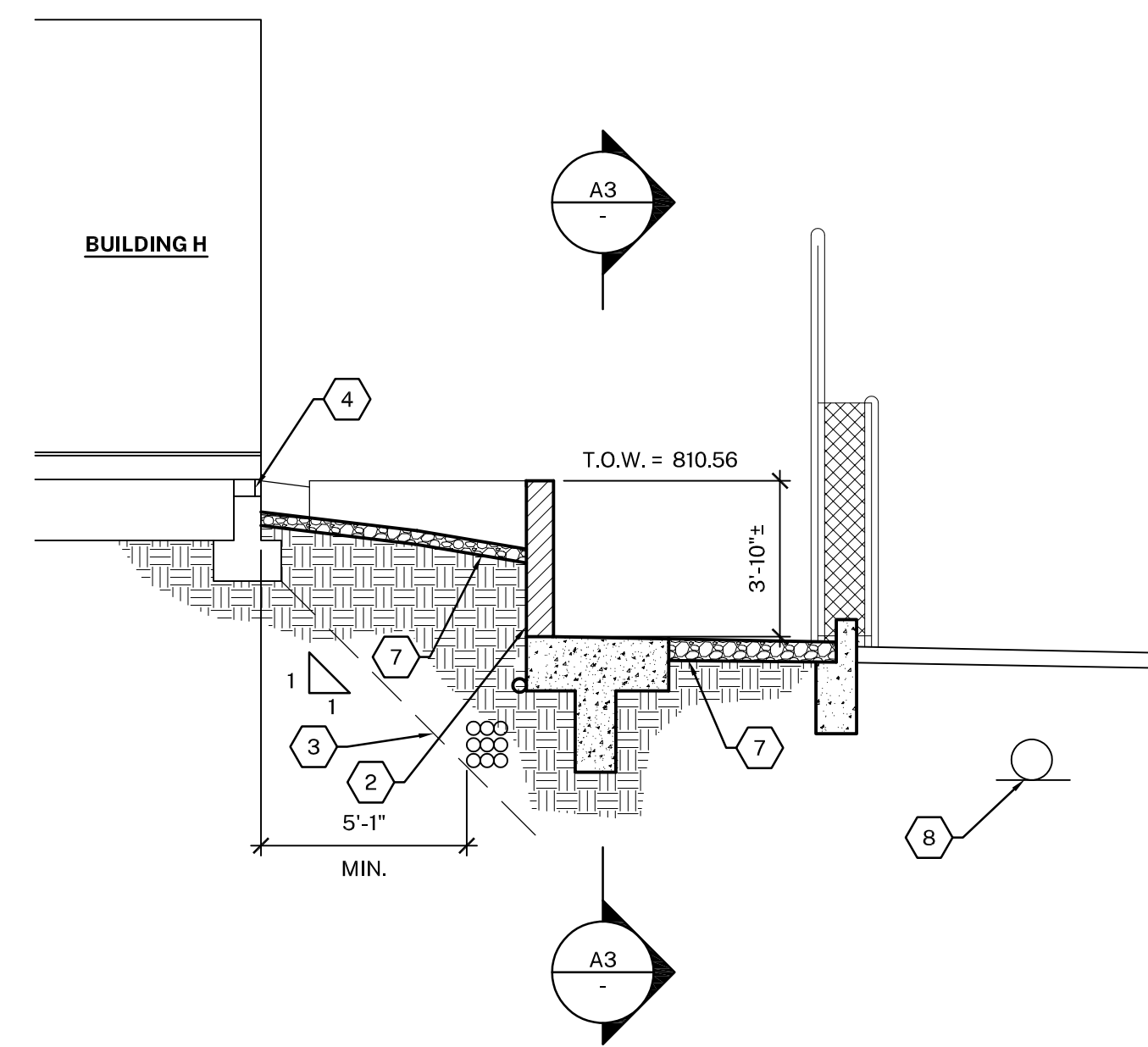
**B3** PROPOSED SOUTH ELEVATION  
1/4"=1'-0"



**A3** SECTION  
1/4"=1'-0"



**B1** SECTION  
1/4"=1'-0"



**A1** SECTION  
1/4"=1'-0"

**GENERAL NOTES**

- CAREFULLY CUT AND CAP EXISTING IRRIGATION SYSTEM SO AS TO NOT DISRUPT DISTRICT IRRIGATION SCHEDULE. REPAIR ANY IRRIGATION SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION AT NO EXPENSE TO THE DISTRICT.
- REPLACE/REPAIR (E) TURF AROUND ENCLOSURE.

**SHEET KEYNOTES**

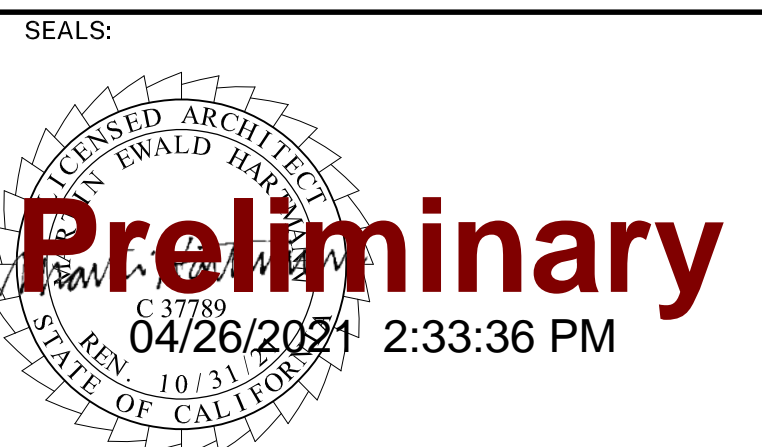
- ELECTRICAL EQUIPMENT SHOWN AS DASHED LINE FOR CLARITY
- WATERPROOFING, SEE F/A-103
- ASSUMED AREA OF INFLUENCE, VERIFY DEPTHS IN FIELD
- (E) UNDERFLOOR VENTILATION, TO REMAIN, PROTECT IN PLACE, SLOPE FINISHED SURFACE AWAY FROM BUILDING
- CONCRETE GUTTER, SEE E/A-103
- LATCH PROVIDE KNOX LOCK FOR VENTURA COUNTY FIRE DEPARTMENT ACCESS
- FILTER FABRIC/WEED BARRIER UNDER AREAS WITH CRUSHED ROCK
- ASSUMED (E) STORM DRAIN, TO REMAIN
- 4.00" DIA. GATE POST EA SIDE
- 1.90" DIA TUBE GATE FRAME, TYP
- DROP ROD
- DOME CAP, TYP
- 3/8" ANTI-CLIMB GREEN PLASTIC COATED WIRE MESH, TYP AROUND ENCLOSURE



HARTMANNARCHITECTURESTUDIO.COM  
430 S. CARRILLO RD.  
OJAI, CALIFORNIA 93023  
(805) 798-2253

CONSULTANTS:  
STRUCTURAL ENGINEERING:  
VINCI & ASSOCIATES  
175 E. WILBUR RD. STE. 103  
THOUSAND OAKS, CA 91360  
(805) 496-2100  
CONTACT: JAMES VINCI SE  
EMAIL: jim@vincise.com

ELECTRICAL ENGINEERING:  
FERRANTI ENGINEERING  
1211 MARICOPA HWY. STE. #250  
OJAI, CA 93023  
(805) 705-4772  
CONTACT: DALE FERRANTI, EE, LEED AP ID+C  
EMAIL: daleferranti@live.com



PROJECT:  
**NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS**

OWNER:  
OJAI UNIFIED SCHOOL DISTRICT  
414 EAST OJAI AVENUE  
OJAI, CA 93023  
(805) 640-4300  
CONTACT: ADAM DUTTER  
EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:  
TOPA TOPA ELEMENTARY SCHOOL  
916 MOUNTAIN VIEW AVENUE  
OJAI, CA 93023

MARK	DATE	DESCRIPTION

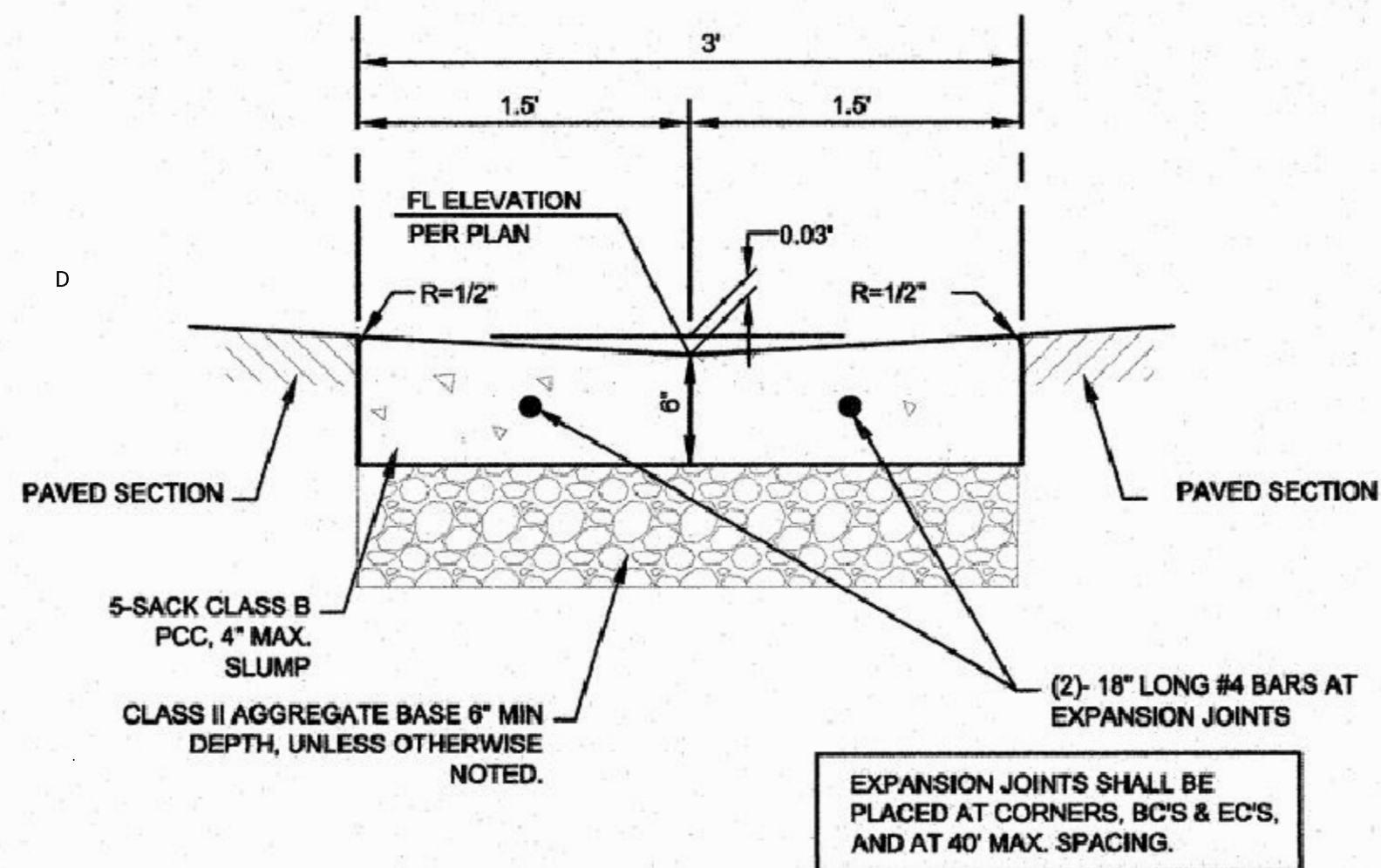
PROJECT INFORMATION:  
PROJECT NUMBER: 2020.011  
PROJECT PHASE: 04CONDOC  
DRAWN BY: MEH  
REVIEWED BY: MEH

SHEET TITLE:  
**ENLARGED SITE PLAN, ELEVATIONS & SECTIONS**

SHEET NUMBER:  
**A-102**

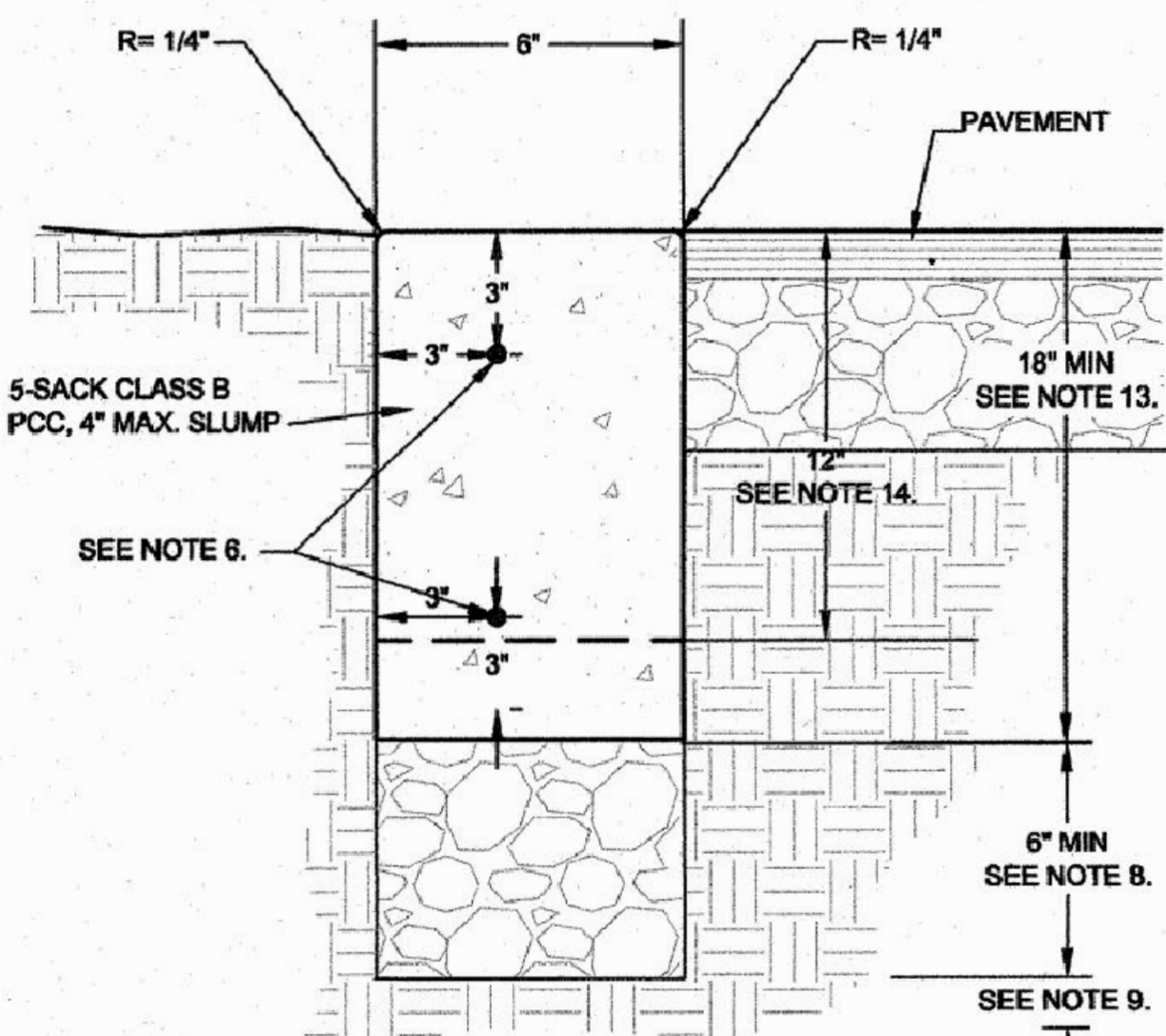
DATE: 03/31/2021

OWNERSHIP OF DOCUMENTS, THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE USED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT HARTMANN ARCHITECT 2021.



**CONCRETE GUTTER DETAIL**  
SCALE = NONE

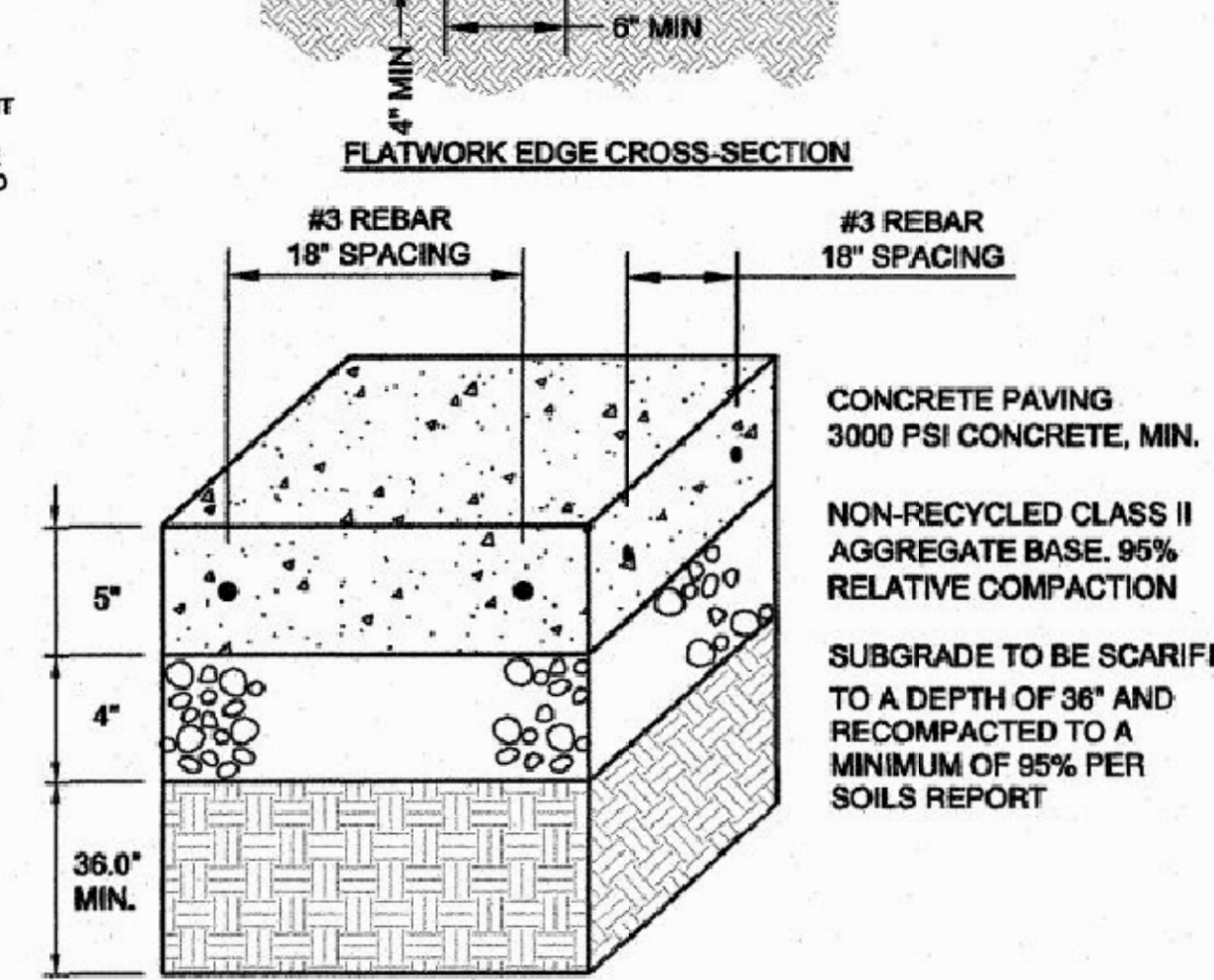
(E)



1. CONCRETE: 5 SACK P.C.C. CONCRETE, 2" MIN 4" MAX SLUMP.
2. FINISH: P.C.C. SHALL BE GIVEN A MEDIUM BROOM FINISH.
3. SEALING & CURING: A PIGMENTED SEALING AND CURING COMPOUND SHALL BE USED IN ACCORDANCE WITH THE PROVISIONS OF THE DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS.
4. EXPANSION JOINTS (EJ): SHALL BE PLACED AT CURB RETURNS, DRIVEWAYS, STORM DRAIN CATCH BASINS, AROUND UTILITY POLES, AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT TO EXCEED 30-FEET. THE INTERVALS BETWEEN EXPANSION JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
5. WEAKENED PLANE JOINTS (WPJ): SHALL BE A MINIMUM 1-INCH IN DEPTH AND PLACED AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT EXCEEDING 10-FEET BETWEEN EXPANSION JOINTS. THE INTERVALS BETWEEN WEAKENED PLANE JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
6. 1/2"Ø x 18" SMOOTH, GREASED DOWELS SHALL BE PLACED AT ALL EXPANSION JOINTS, TWO IN THE NEW CURB FACE, AND AT 18-INCHES ON CENTER IN NEW SIDEWALK.
7. WHEN PLACED IN SIDEWALKS, BOTH EXPANSION JOINTS AND WEAKENED PLANE JOINTS SHALL EXTEND THROUGH THE ADJACENT CURB.
8. 6" MINIMUM CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION OR MATCH BASE THICKNESS REQUIREMENT FOR NEW OR EXISTING ROAD SECTION, WHICHEVER IS GREATEST.
9. SUBGRADE TO BE SCARIFIED TO A DEPTH OF 12" MINIMUM AND RECOMPACT TO 95% RELATIVE COMPACTION.
10. SUBGRADE AND AGGREGATE BASE COMPACTION REQUIREMENTS SHALL EXTEND TO THE BACK OF CURB OR TO THE BACK OF ATTACHED SIDEWALK (WHICHEVER CONDITION IS APPLICABLE).
11. GUTTER CROSS SLOPE SHALL NOT EXCEED 5% ACROSS CURB RAMPS, 2% ACROSS ADA PATH OF TRAVEL AND ADA PARKING, OTHERWISE TYPICAL GUTTER CROSS SLOPE SHALL BE 8% UNLESS OTHERWISE NOTED.
12. UNDER NO CIRCUMSTANCES SHALL UTILITY LIDS AND CONCRETE COLLARS BE LOCATED WITHIN THE CURB & GUTTER.
13. WHEN CURB IS PLACED ADJACENT TO EXISTING OR FUTURE IRRIGATED LANDSCAPE AREA, PCC SHALL EXTEND DOWN AS SHOWN FOR MOISTURE BARRIER.
14. WHEN CURB IS NOT LOCATED AS IN NOTE 13. DEPTH MAY BE REDUCED.

**CONCRETE FLUSH CURB**  
SCALE = NONE

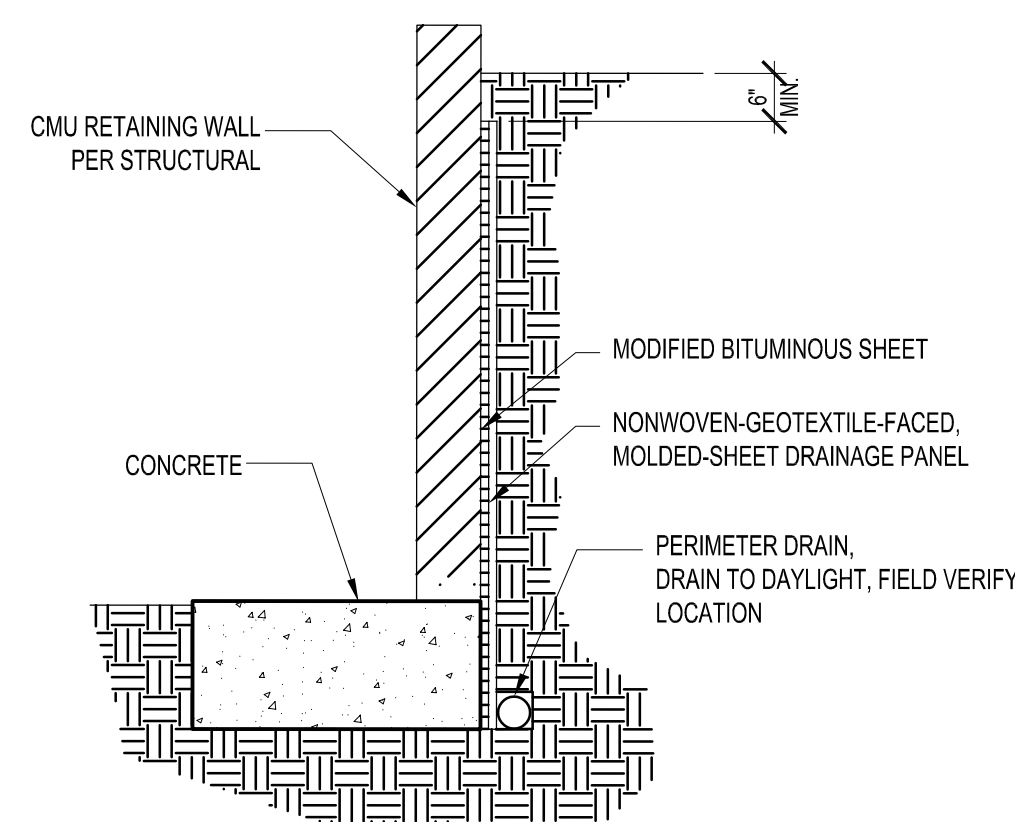
(B)



1. CONCRETE: 5 SACK P.C.C. CONCRETE, 2" MIN 4" MAX SLUMP.
2. FINISH: P.C.C. SHALL BE GIVEN A MEDIUM BROOM FINISH.
3. SEALING & CURING: A PIGMENTED SEALING AND CURING COMPOUND SHALL BE USED IN ACCORDANCE WITH THE PROVISIONS OF THE DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS.
4. EXPANSION JOINTS (EJ): SHALL BE PLACED AT CURB RETURNS, DRIVEWAYS, STORM DRAIN CATCH BASINS, AROUND UTILITY POLES, AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT TO EXCEED 30-FEET. THE INTERVALS BETWEEN EXPANSION JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
5. WEAKENED PLANE JOINTS (WPJ): SHALL BE A MINIMUM 1-INCH IN DEPTH AND PLACED AT LONGITUDINAL CURB GUTTER AND SIDEWALK INTERVALS NOT EXCEEDING 10-FEET BETWEEN EXPANSION JOINTS. THE INTERVALS BETWEEN WEAKENED PLANE JOINTS SHALL VARY TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS AS APPLICABLE.
6. 1/2"Ø x 18" SMOOTH, GREASED DOWELS SHALL BE PLACED AT ALL EXPANSION JOINTS, AND AT 18-INCHES ON CENTER IN NEW SIDEWALK.
7. WHEN PLACED IN SIDEWALKS, BOTH EXPANSION JOINTS AND WEAKENED PLANE JOINTS SHALL EXTEND THROUGH THE ADJACENT CURB AND GUTTER.
8. 4" MINIMUM CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION OR MATCH BASE THICKNESS REQUIREMENT FOR NEW OR EXISTING SIDEWALK, WHICHEVER IS GREATEST.
9. SUBGRADE TO BE SCARIFIED TO A DEPTH OF 36" MINIMUM AND RECOMPACTED TO 95% RELATIVE COMPACTION.
10. THE CROSS SLOPE OF THE SIDEWALK SHALL NOT EXCEED 2% (1/4-INCH PER 12-INCHES), 1.5% (3/16-INCH PER 12-INCHES) IS RECOMMENDED. LONGITUDINAL SLOPE SHALL NOT EXCEED 5%.
11. THE SIDEWALK SHALL BE WIDENED WHERE REQUIRED TO ALLOW FOR A MINIMUM 4-FOOT CLEAR PASSAGE AROUND ALL ABOVE GRADE OBSTACLES LOCATED WITHIN THE SIDEWALK.
12. TYPICAL SECTION SHALL BE:
  - 5-INCH MIN PCC (6-INCH OR 8-INCH WHEN WITHIN A DRIVEWAY), OVER
  - 4-INCH MIN CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION
  - 36" MIN SUBGRADE TO 95% RELATIVE COMPACTION
 IF THE R-VALUE OF THE NATIVE MATERIAL IS 55 OR GREATER THEN THE 4-INCH OF AGGREGATE BASE UNDER THE SIDEWALK ONLY MAY BE SUBSTITUTED WITH COMPACTED NATIVE MATERIAL.

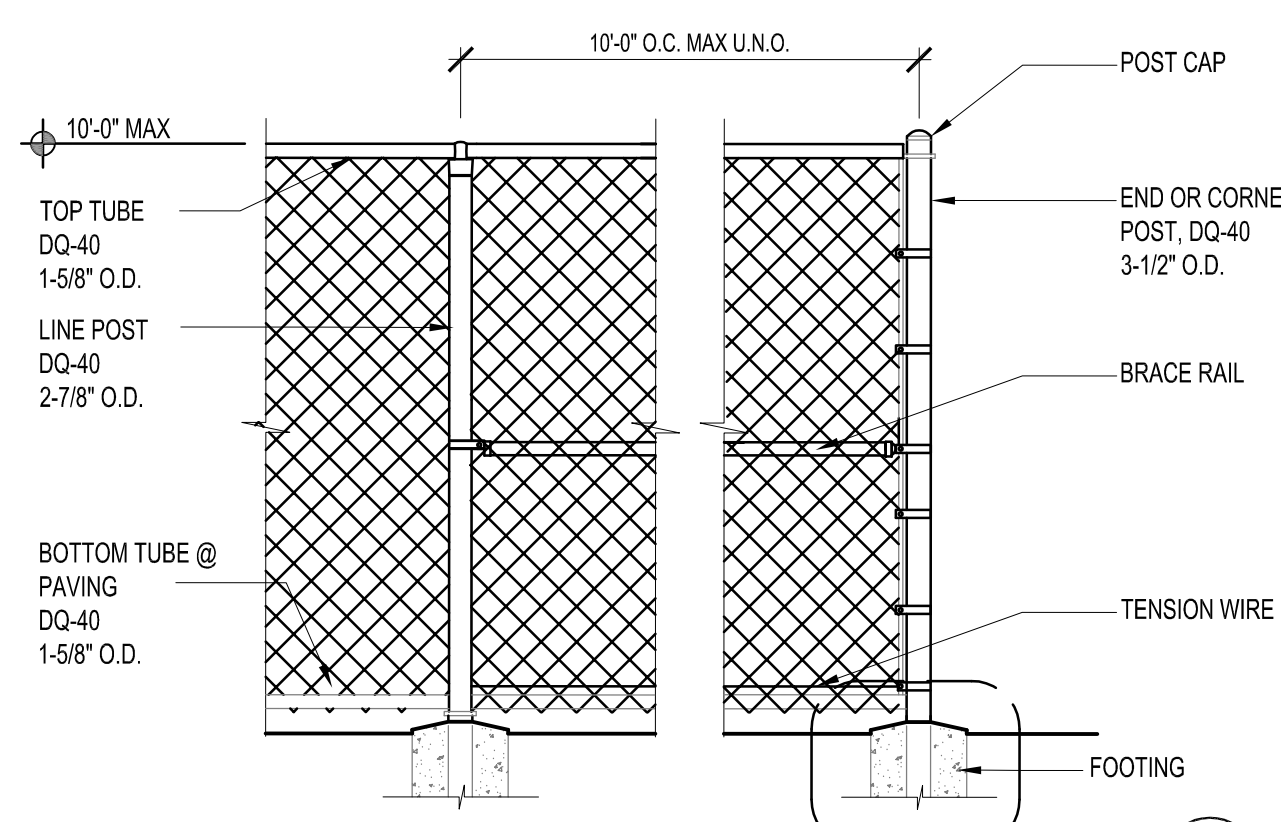
**CONCRETE FLATWORK PEDESTRIAN**  
SCALE = NONE

(A)



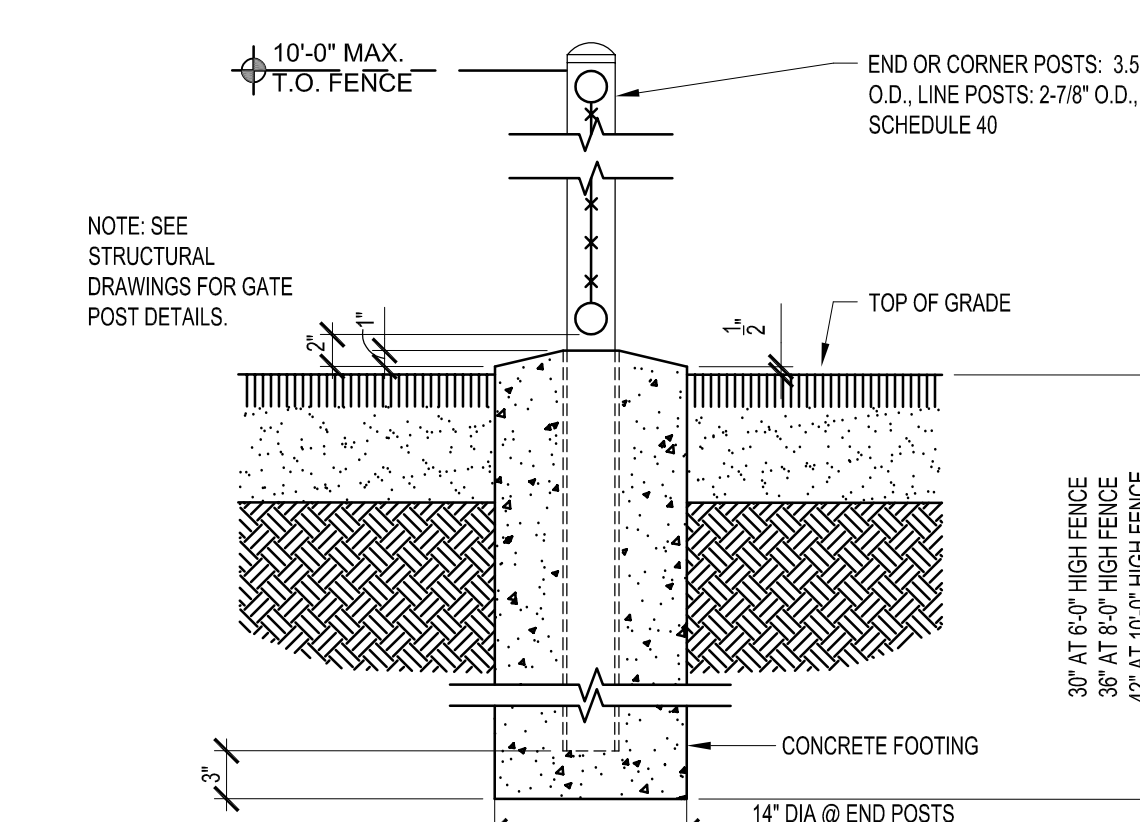
**RETAINING WALL WATERPROOFING**  
SCALE: 1/2" = 1'-0"

(F)



**TYPICAL CHAIN LINK FENCE**  
SCALE: 1/2" = 1'-0"

(D)



**TYPICAL 10' HIGH MAX. CHAIN LINK FENCE FOOTING**  
SCALE: 1" = 1'-0"

(C)

AGENCY APPROVAL:

HARTMANNARCHITECTURESTUDIO.COM  
430 S. CARRILLO RD.  
OJAI, CALIFORNIA 93023  
(805) 798-2253

CONSULTANTS:

STRUCTURAL ENGINEERING:  
VINCI & ASSOCIATES  
175 E. WILBUR RD. STE. 103  
THOUSAND OAKS, CA 91360  
(805) 496-2100  
CONTACT: JAMES VINCI SE  
EMAIL: jim@vincise.com

ELECTRICAL ENGINEERING:  
FERRANTI ENGINEERING  
1211 MARICOPA HWY. STE. #250  
OJAI, CA 93023  
(805) 705-4772  
CONTACT: DALE FERRANTI, EE, LEED AP ID-C  
EMAIL: daleferranti@live.com

SEALS:

**Preliminary**  
04/26/2021 2:33:36 PM

PROJECT:  
**NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS**

OWNER:  
OJAI UNIFIED SCHOOL DISTRICT  
414 EAST OJAI AVENUE  
OJAI, CA 93023  
(805) 640-4300  
CONTACT: ADAM DUTTER  
EMAIL: adutter@ojaisd.org

PROJECT ADDRESS:  
TOPA TOPA ELEMENTARY SCHOOL  
916 MOUNTAIN VIEW AVENUE  
OJAI, CA 93023

ISSUE:	MARK	DATE	DESCRIPTION

PROJECT INFORMATION:  
PROJECT NUMBER: 2020.011  
PROJECT PHASE: 04CONDOC  
DRAWN BY: MEH  
REVIEWED BY: MEH

THE ORIGINAL SIZE OF THIS SHEET IS 36" X 24". IF THE CURRENT SIZE IS OTHER THAN 36" X 24", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

SHEET TITLE:  
**SITE DETAILS**

SHEET NUMBER:  
**A-103**

DATE: 03/31/2021

**GENERAL NOTES:**

- GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS, PRIOR TO COMMENCING WORK.
- COORDINATE STRUCTURAL DETAILS & DIMENSIONS WITH RELATED REQUIREMENTS ON OTHER DRAWINGS.
- THE ARCHITECT WILL INTERPRET THE INTENT OF THE DOCUMENTS IN CASE OF A POSSIBLE CONFLICT OR DISCREPANCY BETWEEN STRUCTURAL AND OTHER DISCIPLINES.
- DETAILS NOTED AS "TYPICAL" OR "TYP" SHALL APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
- WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE (CBC).
- FOUNDATION DESIGN IS BASED UPON MINIMUM REQUIREMENTS OF CHAPTER 18 OF THE CALIFORNIA BUILDING CODE (CBC)
  - ALLOWABLE SOIL BEARING PRESSURE: 1500 PSF
- MATERIAL REQUIREMENTS:
  - CONCRETE:  $f'_c = 4000$  PSI AT 28 DAYS  
**SPECIAL INSPECTION REQUIRED EXEMPT FROM BATCH PLANT INSPECTION PER DSA 103 APPENDIX**
  - CONCRETE BLOCK: ASTM C90 GRADE N-1 (NORMAL WEIGHT) NO SPECIAL INSPECTION REQUIRED ( $f'_m = 1500$ psi) GROUT:  $f'_c = 2,000$  psi, MORTAR:  $f'_c = 1800$ psi
  - REINFORCING STEEL: ASTM A615, #4 & SMALLER - GRADE 40, #5 & LARGER - GRADE 60  
**TESTING OF REINFORCING BARS IS EXEMPT PER DSA 103 APPENDIX**
  - MACHINE BOLTS: ASTM A307
  - ANCHOR BOLTS: ASTM A307
  - MECHANICAL ANCHORS REFER TO 3/S1, TYPICAL
  - EPOXY ANCHORS: REFER TO 4/S1, TYPICAL  
**SPECIAL INSPECTION REQUIRED**  
A REPORT SHALL BE GIVEN TO THE BUILDING INSPECTOR AT FRAMING INSPECTION. REFER TO NOTE 10 ON 4/S1.
- STRUCTURAL DESIGN LOADS:
  - WALL LOADS: 8" SOLID GROUTED CMU = 84 PSF
  - SEISMIC DESIGN: OCCUPANCY CATEGORY = II SEISMIC IMPORTANCE FACTOR = 1.0  
 $S_{DS} = 1.82$   
 $S_{D1} = 0.692$   
 $S_{D2} = 1.21$   
 $S_{D3} = 0.69$   
 SEISMIC DESIGN CATEGORY = E  
 $F_p = 0.36W$   
 $a_p = 1.0$ ,  $R_p = 2.5$   
 ANALYSIS PROCEDURE = "EQUIVALENT LATERAL FORCE PROCEDURE"  
 BASIC WIND SPEED = 100 M.P.H.  
 WIND IMPORTANCE FACTOR = 1.0  
 WIND EXPOSURE = C  
 INTERNAL PRESSURE COEFFICIENT =  $\pm 0.18$   
 DESIGN WIND PRESSURE = 21.54 PSF
- WIND DESIGN: BASIC WIND SPEED = 100 M.P.H.  
WIND IMPORTANCE FACTOR = 1.0  
WIND EXPOSURE = C  
INTERNAL PRESSURE COEFFICIENT =  $\pm 0.18$   
DESIGN WIND PRESSURE = 21.54 PSF

**FOUNDATION NOTES:**

- ALL CONCRETE SHALL HAVE 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS. **SPECIAL INSPECTION REQUIRED EXEMPT FROM BATCH PLANT INSPECTION PER DSA 103 APPENDIX**
- PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ASTM C33 AND BE NON-REACTIVE.
- CONCRETE COVERAGE OVER REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:  
CONCRETE POURED DIRECTLY AGAINST EARTH..... 3"  
ALL OTHER LOCATIONS..... 1 1/2"
- SOIL COMPACTION REPORT SHALL BE PROVIDED TO THE BUILDING INSPECTOR AT THE JOB SITE PRIOR TO PLACEMENT OF CONCRETE FOR THE FOUNDATION.
- SOIL ENGINEER SHALL INSPECT FOUNDATION EXCAVATIONS PRIOR TO PLACEMENT OF CONCRETE FOR THE FOUNDATION.
- ALL REINFORCING STEEL SHALL COMPLY WITH MATERIAL REQUIREMENTS NOTED ABOVE. PLACING OF REINFORCING STEEL SHALL COMPLY WITH CHAPTER 19 OF THE CALIFORNIA BUILDING CODE.
- PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
  - THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
  - THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED.
  - THE FOUNDATION EXCAVATIONS, THE SOIL EXPANSIVE CHARACTERISTICS AND BEARING CAPACITY CONFORM TO THE SOILS REPORT.
- NON-SHRINK GROUT, WHERE SHOWN ON THE STRUCTURAL DRAWINGS, SHALL BE NON-METALLIC BURKE GROUT, OR EQUAL.
- SHALLOW FOUNDATION IS EXEMPT FROM SPECIAL INSPECTION AND TESTING BY GEOTECHNICAL ENGINEER PER DSA 103 APPENDIX.**

**MASONRY NOTES:**

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SUPPORT OF ANY VERTICAL EARTH CUTS OVER 6'-0" IN HEIGHT.
- CONCRETE MASONRY UNITS SHALL NOT BE WETTED PRIOR TO PLACING GROUT.
- ALL CELLS BELOW BACKFILL AND ALL OTHER CELLS WHICH CONTAIN REINFORCEMENT TO BE FILLED W/ GROUT.
- REINFORCEMENT TO BE SPICED 48 DIAMETERS (40 KSI STEEL), MINIMUM. REINFORCEMENT TO BE SPICED 72 DIAMETERS (60 KSI STEEL), MINIMUM.
- REINFORCEMENT SHALL BE ACCURATELY SPICED AND SECURED SO THAT IT WILL NOT BE DISPLACED. ALL CONCRETE SHALL BE PROPERLY CONSOLIDATED DURING PLACEMENT. ALL REINFORCING STEEL & EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. (TESTING OF REINFORCING EXEMPTED PER DSA 103 APPENDIX)
- GROUT SHALL BE WELL RODDED TO INSURE A GOOD CONTACT WITH REINFORCEMENT AN TO ELIMINATE ROCK POCKETS AND VOIDS. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS FOR MIXING, PLACING, FINISHING, CURING AND PROTECTING CONCRETE DURING UNFAVORABLE WEATHER CONDITIONS.
- POUR LIFTS SHALL BE 6'-0" MAXIMUM WITHOUT SPECIAL INSPECTION.
- POUR ALL FOOTINGS AGAINST SOLID NATURAL UNDISTURBED EARTH OR COMPACTED FILL COMPACTED TO 90% RELATIVE DENSITY.
- USE 4" PERFORATED P.V.C. DRAIN OR OMIT HEAD-JOINTS AT 32"O.C. FOR DRAINAGE. P.V.C. PIPE MUST DRAIN DOWN SLOPE AND BE NO LONGER THAN 40 FEET WITHOUT SPECIAL DESIGN.
- BACKFILL WITH 6" WIDTH OF SAND OR CLEAN COURSE GRAVEL AND COVER WITH A 12" THICK COMPACTED FILL BLANKET AT THE SURFACE. BACKFILL SHALL NOT BE PLACED UNTIL SEVEN (7) DAYS AFTER GROUTING.
- ALL WALLS SHALL BE WATERPROOFED ON THE SOIL SIDE.
- GROUT STRENGTH SHALL BE EQUAL TO OR GREATER THAN CONCRETE STRENGTH.

**STRUCTURAL OBSERVATION PROGRAM**

THE OWNER SHALL EMPLOY THE ENGINEER REGISTERED/LICENSED IN THE STATE OF CALIFORNIA WHO IS RESPONSIBLE FOR THE STRUCTURAL DESIGN TO DO THE STRUCTURAL OBSERVATION.

PROJECT ENGINEERS: JAMES VINCI, S.E. S-4411

THE ENGINEER RESPONSIBLE FOR THE STRUCTURAL OBSERVATION, THE CONTRACTOR, AND APPROPRIATE SUBCONTRACTORS SHALL HOLD A PRE-CONSTRUCTION MEETING TO REVIEW THE DETAILS OF THE STRUCTURAL SYSTEM TO BE STRUCTURALLY OBSERVED.

THE FOLLOWING ITEMS SHALL BE OBSERVED AT EACH PHASE OF CONSTRUCTION:

FOUNDATION: ANCHORS, HOLDDOWNS, STEEL PLACEMENT, FOOTING DIMENSIONS

CMU WALLS: WALL REINFORCING & PRIOR TO GROUT PLACEMENT

FINAL OBSERVATION: ALL STRUCTURAL ELEMENTS

**SPECIAL INSPECTIONS**

- SPECIAL INSPECTIONS AND SUBSEQUENT REPORTS SHALL BE REINFORCED IN CONFORMANCE WITH SECTION 1704 OF THE 2019 CBC AT THE OWNERS EXPENSE.
- ALL SPECIAL INSPECTIONS SHALL BE MADE BY AN INDEPENDENT INSPECTION AGENCY SUBJECT TO APPROVAL BY THE BUILDING DEPARTMENT, AND SHALL BE PAID BY THE OWNER.
- THE FOLLOWING WORK SHALL BE PERFORMED UNDER CONTINUOUS DEPUTY INSPECTION IN THE PRESENCE OF THE OWNER'S SPECIAL INSPECTOR.
  - PLACEMENT OF CONCRETE WITH  $f'_c = 3,000$  PSI & GREATER. **EXEMPT FROM BATCH PLANT INSPECTION PER DSA 103 APPENDIX**
  - INSTALLATION OF EPOXY GROUTED DOWELS
  - FIELD WELDING OF STRUCTURAL STEEL.
- THE FOLLOWING WORK SHALL BE PERFORMED UNDER PERIODIC DEPUTY INSPECTION IN THE PRESENCE OF THE OWNER'S SPECIAL INSPECTOR.
  - SHEARWALL NAILING WHERE FASTENER SPACING IS 4"O.C. OR LESS.
  - ROOF AND FLOOR DIAPHRAGM NAILING WHERE FASTENER SPACING IS 4"O.C. OR LESS.
  - DRAG STRUT AND HOLDDOWN CONNECTIONS.
- SPECIAL INSPECTION & PROFESSIONAL OBSERVATION REPORTS SHALL BE SUBMITTED TO THE OWNER, ENGINEER, AND DEPARTMENT OF BUILDING & SAFETY NO LATER THAN SEVEN (7) WORKING DAYS FROM THE DATE OF INSPECTION/OBSERVATION.

DRILLED EXPANSION TYPE ANCHOR BOLTS SHALL BE USED ONLY WHERE DETAILED OR FOR ATTACHMENT OF MECH. ELEC. OR MISC. ACCESSORIES OR EQUIPMENT TO THE STRUCTURE.

ACCEPTABLE WEDGE ANCHORS:

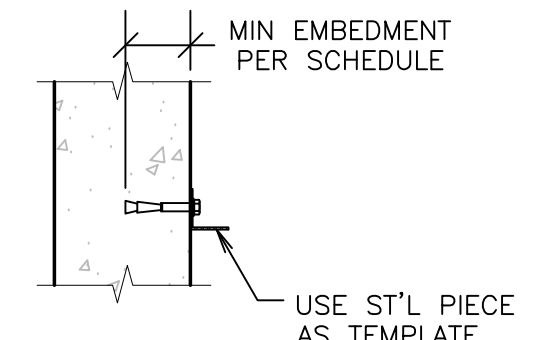
- HILTI-KWIK-BOLT-TZ (ICC ESR-1917, LARR 25701) IN NORMAL WT CONC.
- ITW RAMSET/REDHEAD TRUBOLT+ (ICC ESR-2427, LARR 2748) IN NORMAL WT CONC.
- SIMPSON STRONG-BOLT 2 (ICC ESR-3037, LARR 25891) IN NORMAL WT CONC.
- SIMPSON WEDGE-ALL (ICC ESR 1396, LARR 24682) IN MASONRY ONLY.
- DEWALT POWER-STUD+SD2 (ESR 2502, LARR 25831) IN NORMAL WT CONC.
- DEWALT POWER-STUD+SD1 (ESR 2818, LARR 25864) IN CMU

ACCEPTABLE SCREW ANCHORS:

- SIMPSON TITEN HD SCREW ANCHOR (ICC ESR-2713, LARR 25741) IN NORMAL WT CONC.
- SIMPSON TITEN HD SCREW ANCHOR (ICC ESR-1056, LARR 25560) IN CMU
- DEWALT SCREW-BOLT+ (ICC ESR-3889) IN CONCRETE
- DEWALT SCREW-BOLT+ (ICC ESR-4042) IN CMU

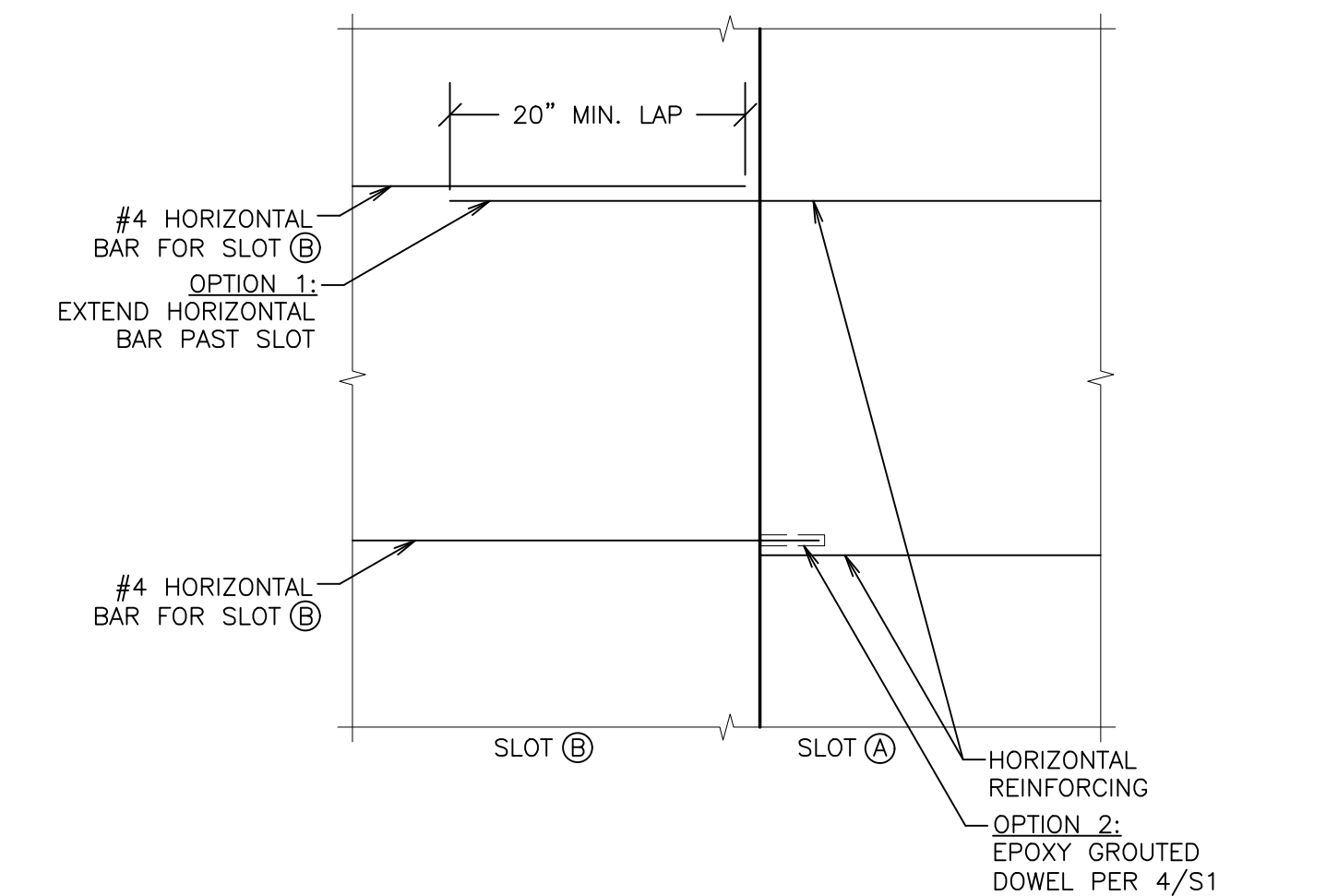
DRILLED BOLT SCHEDULE				
BOLT DIAMETER	3"	4"	4"	5"
MIN. EMBEDMENT	3"	4"	4"	5"
DIRECT-PULL TENSION (FT.LBS)	1100	2000	2300	3700
TORQUE WRENCH (FT.LBS)	25	50	80	50

SPECIAL INSPECTION NOT REQUIRED. EXEMPT PER DSA 103 APPENDIX.



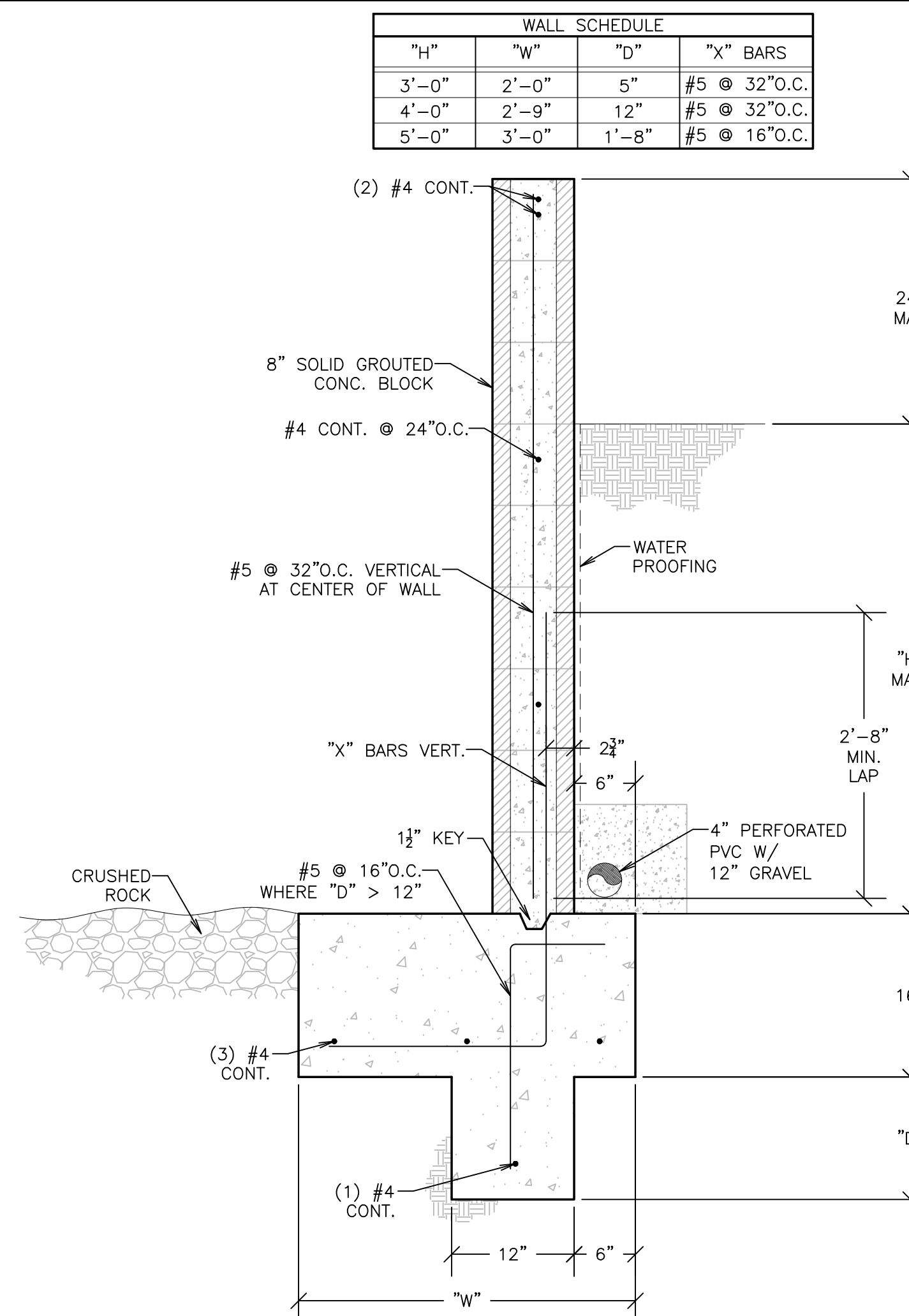
**TYPICAL MECHANICAL ANCHORS**

**TYPICAL EPOXY GROUTED DOWELS / ANCHORS**

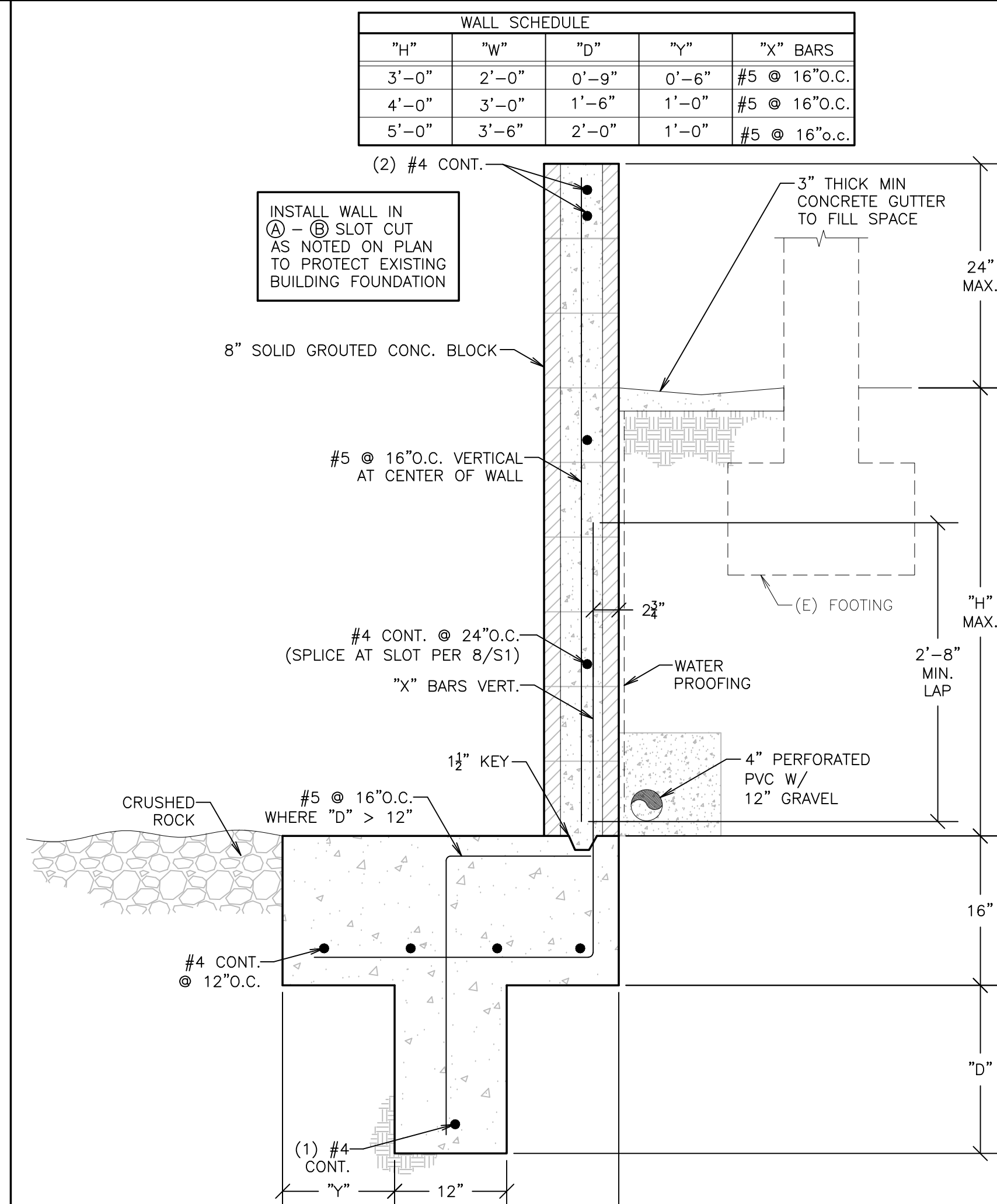
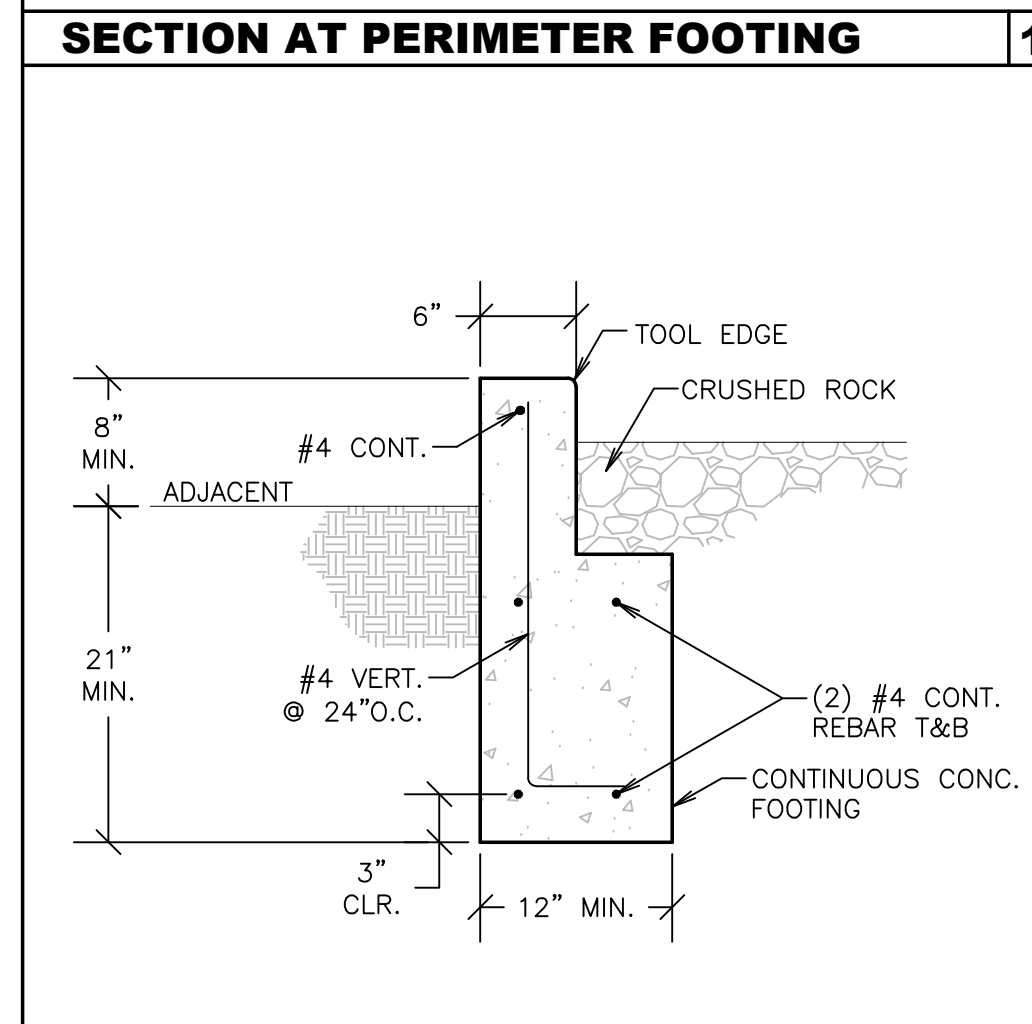


**TYPICAL DETAIL OF HORIZONTAL REINFORCING AT SLOT JOINT**

**TYPICAL DETAIL OF HORIZONTAL REINFORCING AT SLOT JOINT**



**SECTION AT PERIMETER FOOTING**



**RETAINING WALL AT REAR OF EQUIPMENT SLAB**

**RETAINING WALL AT SIDE OF EQUIPMENT SLAB**

**GENERAL NOTES**

**SECTION AT PERIMETER FOOTING**

AGENCY APPROVAL:

HARTMANN ARCHITECTURE STUDIO  
430 S. CARRILLO RD.  
OJAI, CALIFORNIA 93023  
(805) 798-2253

HARTMANNARCHITECTURESTUDIO.COM

CONSULTANTS:

STRUCTURAL ENGINEERING:  
VINCI & ASSOCIATES  
175 E. WILBUR RD. STE. 103  
THOUSAND OAKS, CA 91360  
(805) 496-2100  
CONTACT: JAMES VINCI SE  
EMAIL: jim@vincise.com

ELECTRICAL ENGINEERING:  
FERRANTI ENGINEERING  
1211 MARICOPA HWY. STE. #250  
OJAI, CA 93023  
(805) 705-4772  
CONTACT: DALE FERRANTI, EE, LEED AP ID-C  
EMAIL: daleferranti@ive.com

SEALS:

04/26/2021 2:33:36 PM

Apr 19, 2021

PROJECT:

**NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS**

OWNER:  
OJAI UNIFIED SCHOOL DISTRICT  
414 EAST OJAI AVENUE  
OJAI, CA 93023  
(805) 640-4300  
CONTACT: ADAM DUTTER  
EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:  
TOPA TOPA ELEMENTARY SCHOOL  
916 MOUNTAIN VIEW AVENUE  
OJAI, CA 93023

MARK	DATE	DESCRIPTION

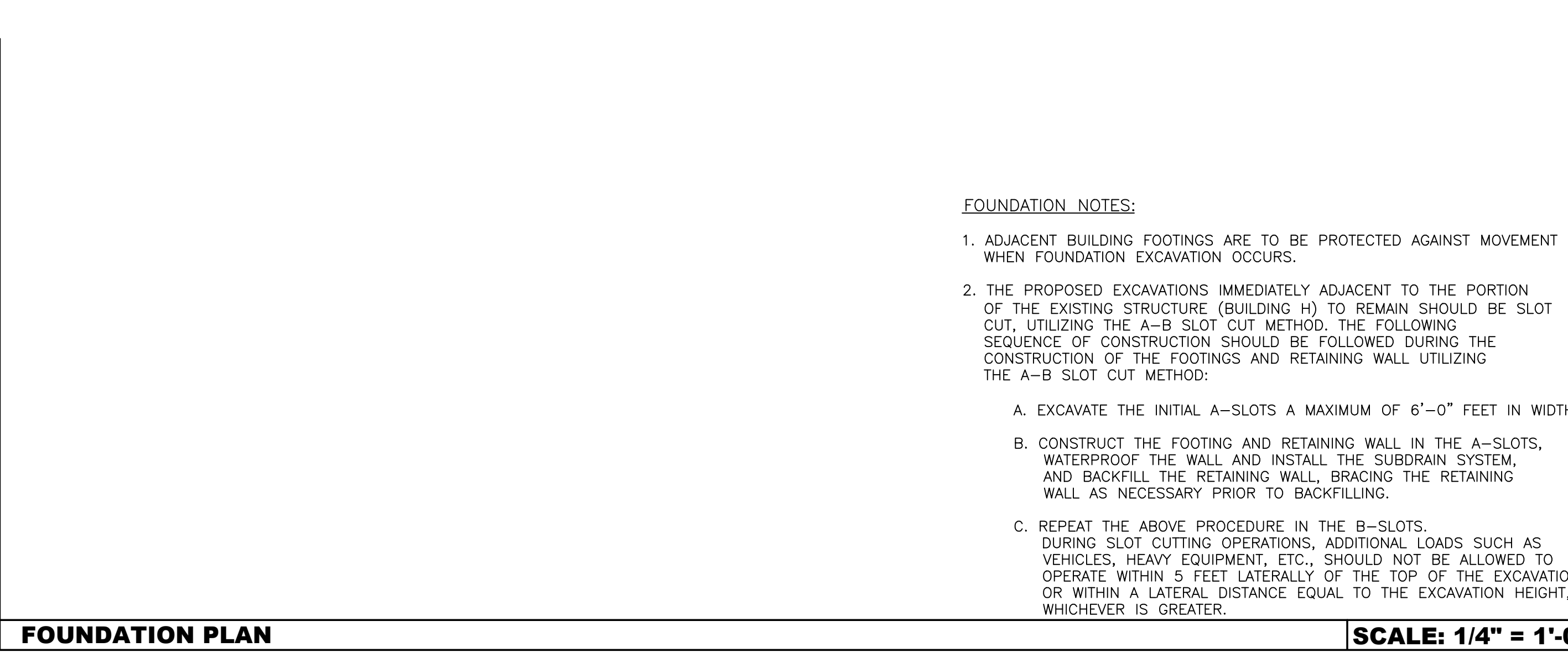
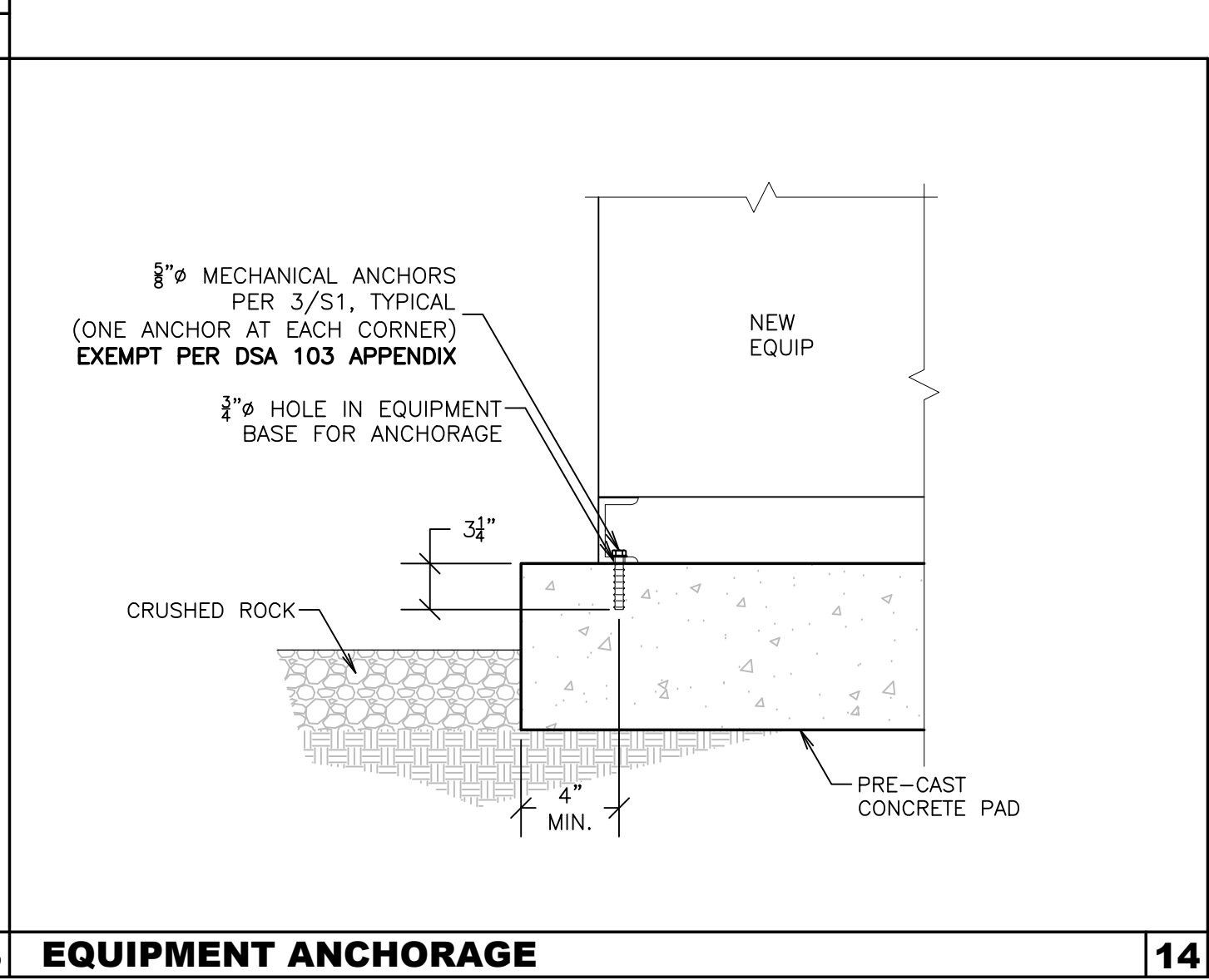
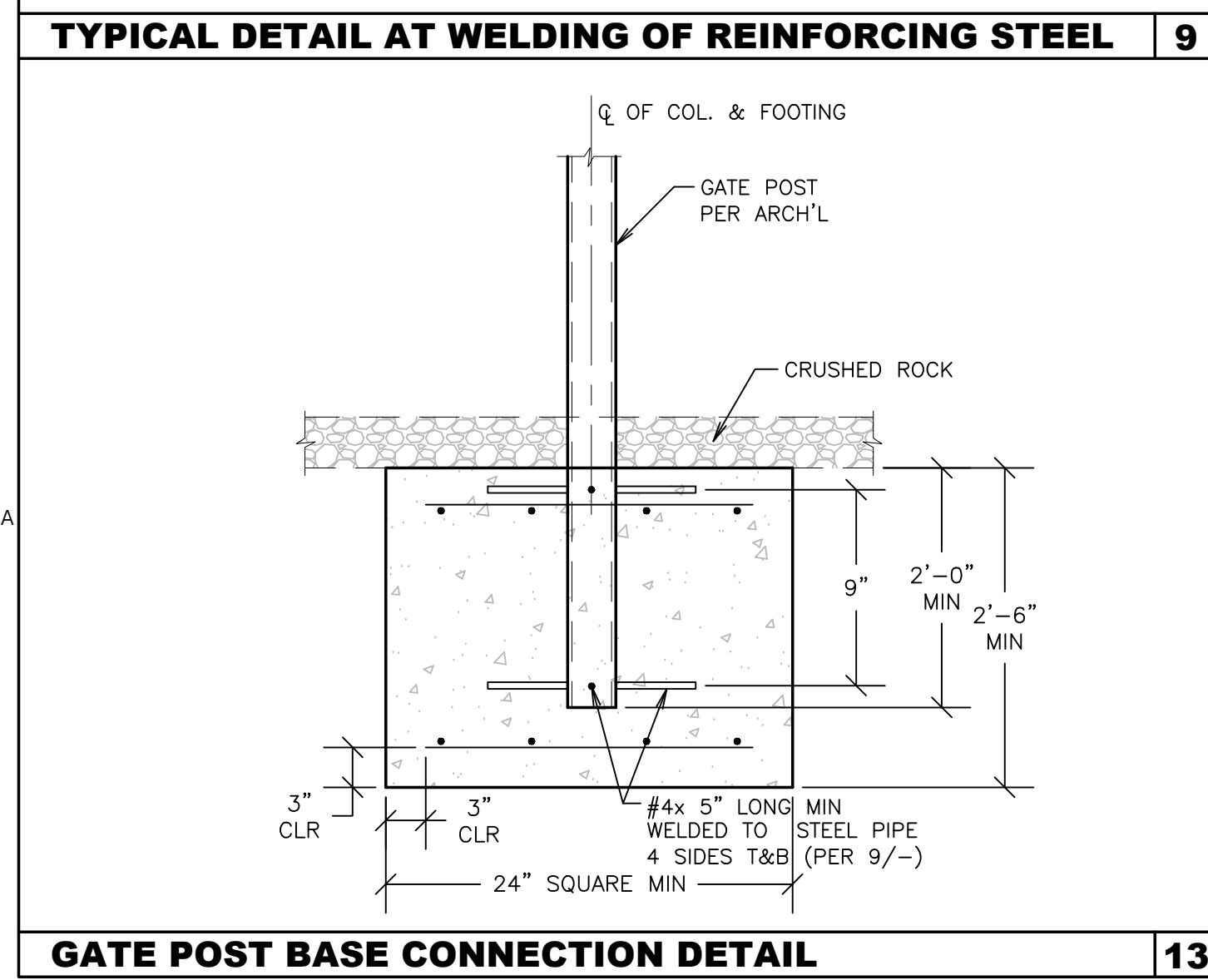
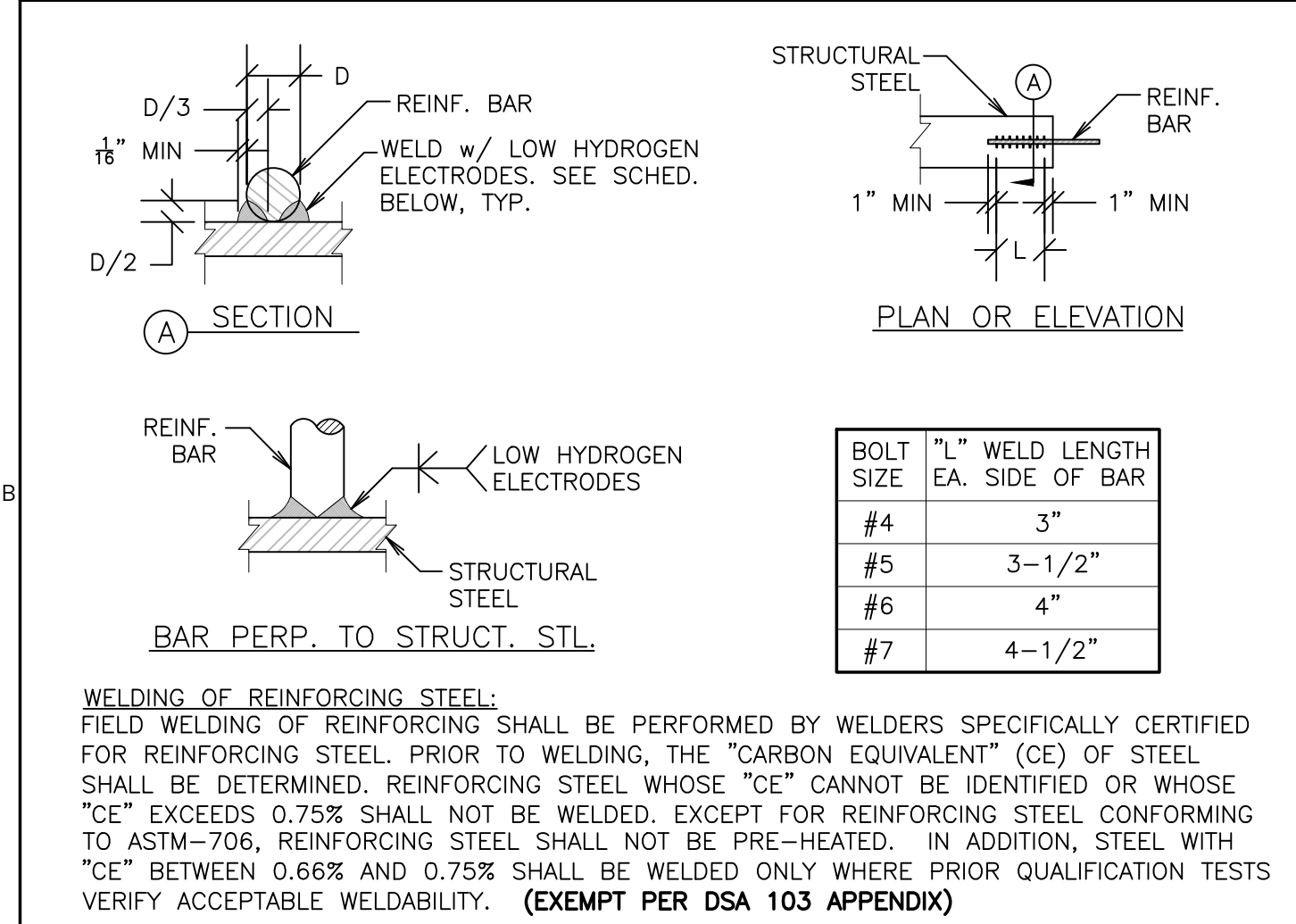
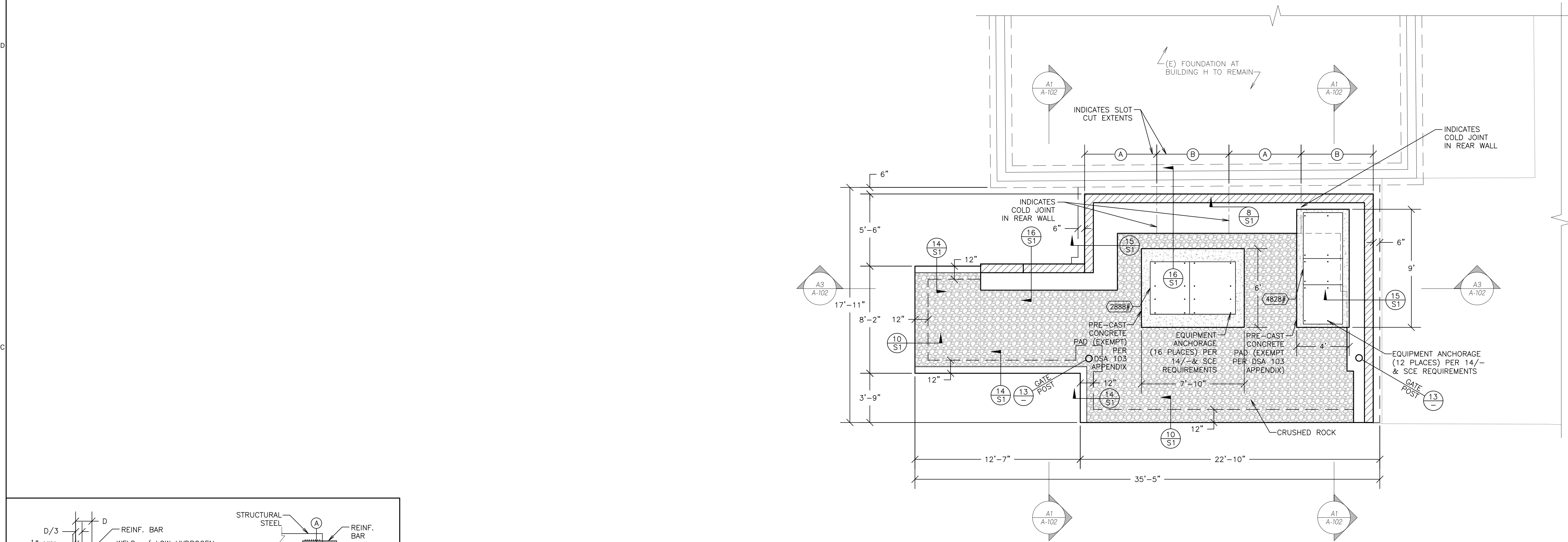
PROJECT INFORMATION:  
V&A PROJECT NUMBER: 21-6018  
PROJECT PHASE: 04CONDOC  
DRAWN BY: JWB  
REVIEWED BY: JRV

**GENERAL NOTES & DETAILS**

SHEET NUMBER:  
**S1**

DATE: 04.19.2021

Z:\AutoCAD\Drawings\A-bbs\21-6018-1\Top Topa Elementary Equipment Replacement\Sheet21-6018-Fndg.dwg, SZ, 4/19/2021, 3:14:43 PM, jwb



- FOUNDATION NOTES:**
- ADJACENT BUILDING FOOTINGS ARE TO BE PROTECTED AGAINST MOVEMENT WHEN FOUNDATION EXCAVATION OCCURS.
  - THE PROPOSED EXCAVATIONS IMMEDIATELY ADJACENT TO THE PORTION OF THE EXISTING STRUCTURE (BUILDING H) TO REMAIN SHOULD BE SLOT CUT, UTILIZING THE A-B SLOT CUT METHOD. THE FOLLOWING SEQUENCE OF CONSTRUCTION SHOULD BE FOLLOWED DURING THE CONSTRUCTION OF THE FOOTINGS AND RETAINING WALL UTILIZING THE A-B SLOT CUT METHOD:
    - EXCAVATE THE INITIAL A-SLOTS A MAXIMUM OF 6'-0" FEET IN WIDTH.
    - CONSTRUCT THE FOOTING AND RETAINING WALL IN THE A-SLOTS, WATERPROOF THE WALL AND INSTALL THE SUBDRAIN SYSTEM, AND BACKFILL THE RETAINING WALL, BRACING THE RETAINING WALL AS NECESSARY PRIOR TO BACKFILLING.
    - REPEAT THE ABOVE PROCEDURE IN THE B-SLOTS. DURING SLOT CUTTING OPERATIONS, ADDITIONAL LOADS SUCH AS VEHICLES, HEAVY EQUIPMENT, ETC., SHOULD NOT BE ALLOWED TO OPERATE WITHIN 5 FEET LATERALLY OF THE TOP OF THE EXCAVATION, OR WITHIN A LATERAL DISTANCE EQUAL TO THE EXCAVATION HEIGHT, WHICHEVER IS GREATER.

AGENCY APPROVAL:

HARTMANNARCHITECTURESTUDIO.COM  
430 S. CARRILLO RD.  
OJAI, CALIFORNIA 93023  
(805) 798-2253

CONSULTANTS:

STRUCTURAL ENGINEERING:  
VINCI & ASSOCIATES  
175 E. WILBUR RD. STE. 103  
THOUSAND OAKS, CA 91360  
(805) 496-2100  
CONTACT: JAMES VINCI SE  
EMAIL: jim@vincise.com

ELECTRICAL ENGINEERING:  
FERRANTI ENGINEERING  
1211 MARICOPA HWY. STE. #250  
OJAI, CA 93023  
(805) 705-4772  
CONTACT: DALE FERRANTI, EE, LEED AP ID+C  
EMAIL: daleferranti@ive.com

SEALS:

04/26/2021 2:33:36 PM  
APR 19, 2021

PROJECT:  
**NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS**

OWNER:  
OJAI UNIFIED SCHOOL DISTRICT  
414 EAST OJAI AVENUE  
OJAI, CA 93023  
(805) 640-4300  
CONTACT: ADAM DUTTER  
EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:  
TOPA TOPA ELEMENTARY SCHOOL  
916 MOUNTAIN VIEW AVENUE  
OJAI, CA 93023

MARK	DATE	DESCRIPTION

PROJECT INFORMATION:  
V&A PROJECT NUMBER: 21-6018  
PROJECT PHASE: 04CONDOC  
DRAWN BY: JWB  
REVIEWED BY: JRV

THE ORIGINAL SIZE OF THIS SHEET IS 36"X48". IF THE CURRENT SIZE IS OTHER THAN 36"X48", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

SHEET TITLE:  
**FOUNDATION PLAN & DETAILS**

SHEET NUMBER:  
**S2**

DATE: 04.19.2021

ABBREVIATIONS table listing electrical symbols and their corresponding terms such as AMPERES, ALTERNATING CURRENT, AVAILABLE FAULT CURRENT, ARCHITECTURE, ABOVE FINISHED FLOOR, etc.

U.L. STANDARD 486B TORQUING RECOMMENDATIONS table showing tightening torque for screws in pound-inches, categorized by wire size and slot length.

CEC ART. 310 CONDUCTOR DERATING table showing derating factors for conductors based on ambient temperature and number of conductors in a raceway.

CEC WIRE FILL TABLE 370-16 table showing the maximum number of conductors allowed in conduits and raceways based on trade size and number of conductors.

Table listing applicable codes and regulations, including California Code of Regulations (C.C.R.) Title 24, California Building Code, and NFPA standards.

GENERAL ELECTRICAL NOTES: SCOPE, PERMITS AND CHARGES, REGULATIONS AND CODES, VERIFYING EXISTING CONDITIONS, GROUNDING AND BONDING, INSTALLATION, CONDUIT AND WIRING SYMBOLS, LIGHTING FIXTURE SYMBOLS, CIRCUIT BREAKERS AND FUSES, FIRE ALARM SYMBOLS, and notes on electrical system anchorage and seismic bracing.

CONDUCTORS: CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH U.L. LISTING. GROUNDING WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT.

CONDUIT SYSTEM ANCHORAGE: ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR SEISMICALLY ANCHORED BY THE CONTRACTOR TO RESIST SEISMIC FORCES ACTING IN ANY DIRECTION.

CONDUIT SYSTEM ANCHORAGE: ALL ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA GUIDELINES, WHERE BRACING DETAILS ARE NOT SHOWN ON THE PLANS.

CONDUIT AND WIRING SYMBOLS: 1) CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS. 2) CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND. 3) 3/4" x 2 #12 & 1 #12 CU GND. 4) 3/4" x 3 #12 & 1 #12 CU GND. 5) 3/4" x 4 #12 & 1 #12 GND. 6) 3/4" x 5 #12 & 1 #12 GND. 7) 3/4" x 6 #12 & 1 #12 GND. 8) 3/4" x 2 #10 & 1 #10 GND. 9) 3/4" x 3 #10 & 1 #10 GND. 10) 3/4" x 4 #10 & 1 #10 GND. 11) 3/4" x 5 #10 & 1 #10 GND. 12) 3/4" x 6 #10 & 1 #10 GND.

LIGHTING FIXTURE SYMBOLS: 1) 2'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE W/OUTLET BOX (RECESSED, SURFACE MOUNTED). 2) 2'x2' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE W/OUTLET BOX (RECESSED, SURFACE MOUNTED). 3) CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE WITH 4S OUTLET BOX (RECESSED, SURFACE MOUNTED). 4) FLUORESCENT LIGHT FIXTURE WITH INTEGRAL 90 MINUTE EMERGENCY BATTERY PACK WITH 4S OUTLET BOX. (RECESSED, SURFACE MOUNTED). 5) SURFACE MOUNTED FLUORESCENT STRIP LIGHTING FIXTURE WITH 4S BOX. 6) CEILING SURFACE MOUNTED LIGHTING FIXTURE WITH OUTLET BOX. 7) CEILING RECESSED DOWNLIGHT FIXTURE. 8) CEILING RECESSED WALL WASH DOWNLIGHT FIXTURE. 9) TRACK LIGHTING (TRIANGLES INDICATE # OF HEADS). 10) LIGHT FIXTURE, WALL MOUNTED WITH OUTLET BOX. 11) EXIT SIGN WITH OUTLET BOX. 12) EXIT SIGN, END MOUNT ON WALL, WITH OUTLET BOX. 13) SHADING DEVICES FACE OF EXIT SIGN. 14) EMERGENCY LIGHTING UNIT WITH OUTLET BOX. 15) EXT-EMERGENCY LIGHTING UNIT COMBO WITH OUTLET BOX. 16) PENDANT MOUNTED LIGHT FIXTURE WITH OUTLET BOX.

CIRCUIT BREAKERS AND FUSES: 1) 225AF 150AT 3P MOLDED CASE CIRCUIT BREAKER 225 AMP FRAME, 150 AMP TRIP RATING, 3-POLE. 2) 100AS 60AF 3P FUSED SWITCH, 100 AMP SWITCH RATING WITH 60 AMP FUSES, 3-POLE. 3) 60AS 35AF 3P DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSES, 3-POLE WITH OVERCURRENT PROTECTION UNIT.

FIRE ALARM SYMBOLS: 1) FIRE ALARM CONTROL PANEL. 2) SMOKE DETECTOR W/ BASE. 3) PULL STATION. 4) WALL MOUNT STROBE. 5) WALL MOUNT HORN/STROBE. 6) DUCT DETECTOR. 7) CEILING MOUNT HORN/STROBE. 8) CEILING MOUNT STROBE. 9) HEAT DETECTOR W/ BASE. 10) END-OF-LINE RESISTOR. 11) HORN WITH WEATHERPROOF ENCLOSURE. 12) MINI-HORN.

APPLICABLE CODES AND REGULATIONS: CALIFORNIA CODE OF REGULATIONS (C.C.R.), TITLE 24 (APPLIES AFTER JANUARY 1, 2020); PART 1-CALIFORNIA BUILDINGS STANDARD ADMINISTRATIVE CODE 2019 EDITION; PART 2-CALIFORNIA BUILDING CODE 2019 EDITION; PART 3-CALIFORNIA ELECTRICAL CODE 2019 EDITION; PART 4-CALIFORNIA MECHANICAL CODE 2019 EDITION; PART 5-CALIFORNIA PLUMBING CODE 2019 EDITION; PART 6-CALIFORNIA ENERGY CODE 2019 EDITION; NFPA 13-AUTOMATIC SPRINKLER SYSTEM (CA AMENDED) 2016 EDITION; NFPA 14-STANDPIPES SYSTEMS (CA AMENDED) 2016 EDITION; NFPA 17A-WET CHEMICAL SYSTEMS, 2017 EDITION; NFPA 20-STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, 2016 EDITION; NFPA 24-PRIVATE FIRE MAINS (CA AMENDED) 2016 EDITION; NFPA 72-NAT. FIRE ALARM & SIGNALING CODE (CALIFORNIA AMENDED) 2016 EDITION; NFPA 80-STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES, 2016 EDITION; NFPA 2001-STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED) 2015 EDITION; UL 300-STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT, 2005 (R2010); UL 464-AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES, 2003 EDITION; UL 521-STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION; UL 1971-STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED, 2002 (R2010); ICC 300-STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING, AND GRANDSTANDS, 2017 EDITION.

CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING.

ELECTRICAL SYMBOL LIST

DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED. NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT.

ANNOTATIONS & CALLOUTS: 1) ELECTRICAL KEYNOTE: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET. 2) INDICATES LIGHTING FIXTURE TAG NUMBER. 3) INDICATES WATTAGE OF LIGHT FIXTURE (FOUNDED ON LIGHT FIXTURE SCHEDULE). 4) INDICATES MECHANICAL/PLUMBING EQUIPMENT OR DEVICE (FOUNDED ON ELECTRICAL SCHEDULE FOR MECHANICAL EQUIPMENT OR ON MECHANICAL PLANS). 5) MECHANICAL/PLUMBING TAG NUMBER. 6) INDICATES DETAIL NUMBER. 7) BREAK LINE INDICATES WORK EXTENDED BEYOND LIMITS SHOWN ON DRAWING.

CONDUIT & WIRING SYMBOLS: 1) CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS. 2) CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND. 3) 3/4" x 2 #12 & 1 #12 CU GND. 4) 3/4" x 3 #12 & 1 #12 CU GND. 5) 3/4" x 4 #12 & 1 #12 GND. 6) 3/4" x 5 #12 & 1 #12 GND. 7) 3/4" x 6 #12 & 1 #12 GND. 8) 3/4" x 2 #10 & 1 #10 GND. 9) 3/4" x 3 #10 & 1 #10 GND. 10) 3/4" x 4 #10 & 1 #10 GND. 11) 3/4" x 5 #10 & 1 #10 GND. 12) 3/4" x 6 #10 & 1 #10 GND.

LIGHTING FIXTURE SYMBOLS: 1) 2'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE W/OUTLET BOX (RECESSED, SURFACE MOUNTED). 2) 2'x2' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE W/OUTLET BOX (RECESSED, SURFACE MOUNTED). 3) CEILING MOUNTED FLUORESCENT LIGHTING FIXTURE WITH 4S OUTLET BOX (RECESSED, SURFACE MOUNTED). 4) FLUORESCENT LIGHT FIXTURE WITH INTEGRAL 90 MINUTE EMERGENCY BATTERY PACK WITH 4S OUTLET BOX. (RECESSED, SURFACE MOUNTED). 5) SURFACE MOUNTED FLUORESCENT STRIP LIGHTING FIXTURE WITH 4S BOX. 6) CEILING SURFACE MOUNTED LIGHTING FIXTURE WITH OUTLET BOX. 7) CEILING RECESSED DOWNLIGHT FIXTURE. 8) CEILING RECESSED WALL WASH DOWNLIGHT FIXTURE. 9) TRACK LIGHTING (TRIANGLES INDICATE # OF HEADS). 10) LIGHT FIXTURE, WALL MOUNTED WITH OUTLET BOX. 11) EXIT SIGN WITH OUTLET BOX. 12) EXIT SIGN, END MOUNT ON WALL, WITH OUTLET BOX. 13) SHADING DEVICES FACE OF EXIT SIGN. 14) EMERGENCY LIGHTING UNIT WITH OUTLET BOX. 15) EXT-EMERGENCY LIGHTING UNIT COMBO WITH OUTLET BOX. 16) PENDANT MOUNTED LIGHT FIXTURE WITH OUTLET BOX.

CIRCUIT BREAKERS AND FUSES: 1) 225AF 150AT 3P MOLDED CASE CIRCUIT BREAKER 225 AMP FRAME, 150 AMP TRIP RATING, 3-POLE. 2) 100AS 60AF 3P FUSED SWITCH, 100 AMP SWITCH RATING WITH 60 AMP FUSES, 3-POLE. 3) 60AS 35AF 3P DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSES, 3-POLE WITH OVERCURRENT PROTECTION UNIT.

FIRE ALARM SYMBOLS: 1) FIRE ALARM CONTROL PANEL. 2) SMOKE DETECTOR W/ BASE. 3) PULL STATION. 4) WALL MOUNT STROBE. 5) WALL MOUNT HORN/STROBE. 6) DUCT DETECTOR. 7) CEILING MOUNT HORN/STROBE. 8) CEILING MOUNT STROBE. 9) HEAT DETECTOR W/ BASE. 10) END-OF-LINE RESISTOR. 11) HORN WITH WEATHERPROOF ENCLOSURE. 12) MINI-HORN.

GENERAL NOTES, SYMBOLS

POWER: 1) PANELBOARD PER PLANS, FLUSH MOUNTED ON WALL @ +6'-6" TO TOP OF TRIM. 2) PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL @ +6'-6" TO TOP OF TRIM. 3) SINGLE RECEPTACLE, WALL MOUNTED @ +18" AFF, NEMA 5-20R UON. 4) DUPLEX RECEPTACLE, WALL MOUNTED @ +18" AFF, NEMA 5-20R UON (GFI DENOTES GROUND FAULT INTERRUPTER RECEPTACLE). 5) DUPLEX RECEPTACLE, WALL MOUNTED HORIZONTALLY @ +18" AFF, NEMA 5-20R UON. 6) DUPLEX TVSS RECEPTACLE, WALL MOUNTED @ +18" AFF, NEMA 5-20R UON. 7) DUPLEX RECEPTACLE, WALL MOUNTED @ +18" AFF, NEMA 5-20R UON. 8) CEILING MOUNTED SWITCHED RECEPTACLE, NEMA 5-20R UON. 9) DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED @ +18" AFF, NEMA 5-20R UON. 10) SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ +18", UON. 11) JUNCTION BOX (ACCESSIBLE CEILING SPACE MID) SIZE PER TABLE AND NEC ARTICLE 370. 12) JUNCTION BOX (WALL MTD.) SIZE PER TABLE AND NEC ARTICLE 370.

VOICE/DATA SYMBOLS: 1) TELE/DATA OUTLET BOX IN WALL @ +18", STUB A 1" CO UP 12" ABOVE ACCESSIBLE CEILING WITH BUSHING, 5S BOX WITH 1-GANG P-RING, UON. 2) TELE/DATA OUTLET BOX, MOUNTED IN WALL @ +18" ABOVE COUNTER OR SPLASH, STUB A 1" CO UP 12" ABOVE ACCESSIBLE CEILING WITH BUSHING, 5S BOX WITH 1-GANG P-RING, UON. 3) FLUSH CEILING MOUNTED TELE/DATA OUTLET, 5S BOX WITH SINGLE GANG PLASTER RING, UON. 4) TELEVISION OUTLET IN WALL @ +8", 5S BOX WITH 1-GANG RING, UON.

SWITCHES: 1) SINGLE-POLE SWITCH MOUNTED @ +42" AFF. 2) SINGLE POLE SWITCH @ +42", UON. 3) INDICATES LIGHT FIXTURE TO BE SWITCHED. 4) TWO-POLE SWITCH MOUNTED @ +42" AFF. 5) 3-WAY SWITCH MOUNTED @ +42" AFF. 6) 4-WAY SWITCH MOUNTED @ +42" AFF. 7) KEYSWITCH MOUNTED @ +42" AFF. 8) HOWERPOWER RATED SWITCH MOUNTED @ +42" AFF. 9) DIMMER SWITCH MOUNTED @ +42" AFF, 0-10V DIMMER COMPATIBLE WITH LED LIGHT FIXTURE, UON. 10) OCCUPANCY SENSOR WALL SWITCH PER PLANS, MOUNTED @ +42" AFF. 11) SINGLE-POLE SWITCH (WITH PILOT LIGHT) @ +42" AFF. 12) TIME SWITCH, FLUSH MOUNTED @ +42" AFF. WATTSTOPPER, TS-400-W. 13) CEILING MOUNTED OCCUPANCY SENSOR COMPLETE WITH OUTLET BOX, PER PLANS. 14) CHELSEA DIGITAL WALL SWITCH MOUNTED @ +42" AFF. 15) PUSH BUTTON WALL SWITCH MOUNTED @ +42" AFF.

CIRCUIT BREAKERS AND FUSES: 1) 225AF 150AT 3P MOLDED CASE CIRCUIT BREAKER 225 AMP FRAME, 150 AMP TRIP RATING, 3-POLE. 2) 100AS 60AF 3P FUSED SWITCH, 100 AMP SWITCH RATING WITH 60 AMP FUSES, 3-POLE. 3) 60AS 35AF 3P DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSES, 3-POLE WITH OVERCURRENT PROTECTION UNIT.

FIRE ALARM SYMBOLS: 1) FIRE ALARM CONTROL PANEL. 2) SMOKE DETECTOR W/ BASE. 3) PULL STATION. 4) WALL MOUNT STROBE. 5) WALL MOUNT HORN/STROBE. 6) DUCT DETECTOR. 7) CEILING MOUNT HORN/STROBE. 8) CEILING MOUNT STROBE. 9) HEAT DETECTOR W/ BASE. 10) END-OF-LINE RESISTOR. 11) HORN WITH WEATHERPROOF ENCLOSURE. 12) MINI-HORN.

GENERAL NOTES, SYMBOLS

AGENCY APPROVAL:

HARTMANN ARCHITECTURE STUDIO logo and contact information: 430 S. CARRILLO RD., OJAI, CALIFORNIA 93023, (805) 798-2253.

CONSULTANTS:

FERRANTI ENGINEERING CONSULTING ELECTRICAL ENGINEERS, 1211 MARICOPA HWY, SUITE 250, OJAI, CA 93023, (805) 705-4772, DALEFERRANTI@LIVE.COM.

SEALS: Professional Engineer seals for Dale Ferranti, State of California, License No. 13788, dated 04/26/2021 2:33:37 PM.

PROJECT: NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS.

OWNER: OJAI UNIFIED SCHOOL DISTRICT, 414 EAST OJAI AVENUE, OJAI, CA 93023, (805) 640-4300, CONTACT: ADAM DUTTER, EMAIL: adutter@ojaisd.org.

PROJECT ADDRESS: TOPA TOPA ELEMENTARY SCHOOL, 916 MOUNTAIN VIEW AVENUE, OJAI, CA 93023.

ISSUE table with columns for MARK, DATE, and DESCRIPTION, listing project information, project number (2020.01), project phase (O&CONDDC), and sheet title (GENERAL NOTES, SYMBOLS).

SHEET NUMBER: E100, DATE: 03/31/2021.

OWNERSHIP OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE USED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT © HARTMANN ARCHITECTURE STUDIO 2020.

**SHEET NOTES**

1. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
2. VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.
3. FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
4. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
5. CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
6. ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
7. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
8. ALL SERVICE ENTRANCE EQUIPMENT SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL UTILITY COMPANY FOR APPROVAL, WITH WRITTEN APPROVAL RECEIVED PRIOR TO SUBMISSION TO ELECTRICAL ENGINEER FOR APPROVAL.
9. VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
10. MINIMUM CONDUIT BURIAL DEPTH IS 24", 36" MINIMUM BELOW STREETS AND PARKING LOTS, FOR 0-600 VOLT SYSTEMS.
11. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
12. 1" CONDUIT MINIMUM UNDERGROUND.
13. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
14. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
15. FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE OF WORK BEING PERFORMED. COORDINATE WITH DISTRICT REPRESENTATIVE.
16. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
17. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR, AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.
18. VERIFY AND PROVIDE ALL UTILITY SYSTEMS PER SERVING UTILITY STANDARD REQUIREMENTS.
19. CONTRACTOR SHALL PROVIDE VOLTAGE SURGE ARRESTER PER NFPA 20, ARTICLE 10.4.1 REQUIREMENTS.
20. CONTRACTOR SHALL PROVIDE CONCRETE ENCASUREMENT AT ALL VERIZON COMPANY CONDUIT BENDS PER VERIZON COMPANY REQUIREMENTS.

AGENCY APPROVAL:

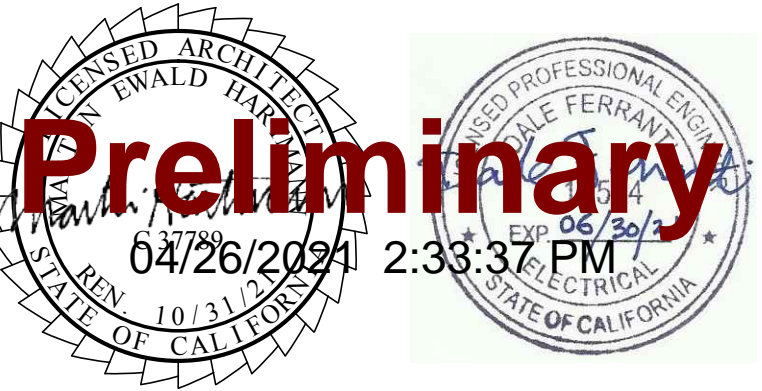


HARTMANNARCHITECTURESTUDIO.COM  
 430 S. CARRILLO RD.  
 OJAI, CALIFORNIA 93023  
 (805) 798-2253

CONSULTANTS:

**FERRANTI ENGINEERING**  
 CONSULTING  
 ELECTRICAL ENGINEERS  
 1211 MARICOPA HWY,  
 SUITE 250  
 OJAI, CA 93023  
 (805) 705-4772  
 DALEFERRANTI@LIVE.COM

SEALS:



PROJECT:  
**NEW ELECTRICAL SERVICE  
 & SITE IMPROVEMENTS**

OWNER:  
 OJAI UNIFIED SCHOOL DISTRICT  
 414 EAST OJAI AVENUE  
 OJAI, CA 93023  
 (805) 640-4300  
 CONTACT: ADAM DUTTER  
 EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:  
 TOPA TOPA ELEMENTARY SCHOOL  
 916 MOUNTAIN VIEW AVENUE  
 OJAI, CA 93023

ISSUE:		
MARK	DATE	DESCRIPTION

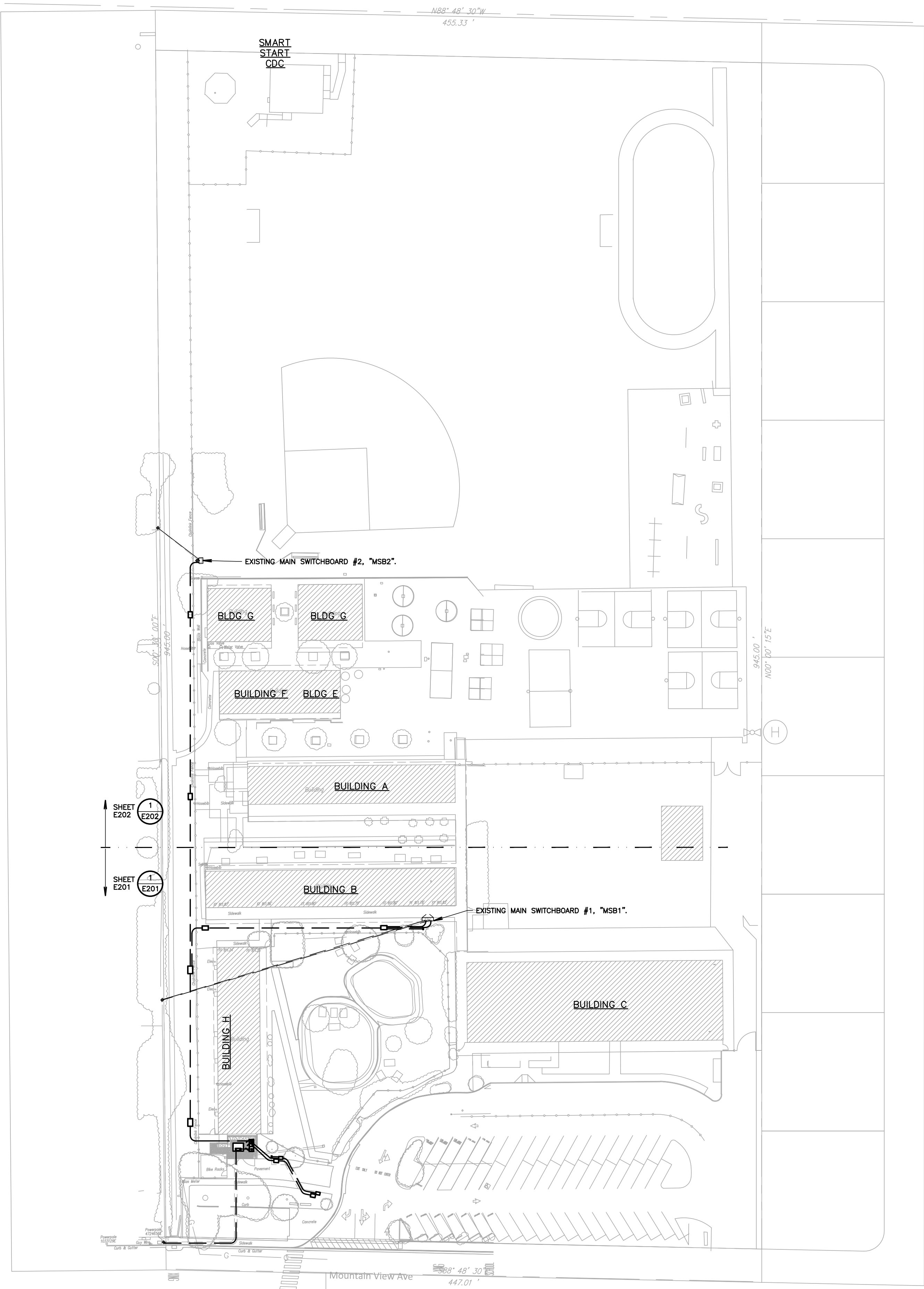
PROJECT INFORMATION:  
 PROJECT NUMBER: 2020.011  
 PROJECT PHASE: 04CONDOC  
 DRAWN BY: D.F.  
 REVIEWED BY: D.F.

THE ORIGINAL SIZE OF THIS SHEET IS 36"X24". IF THE CURRENT SIZE IS OTHER THAN 36"X24", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.  
 SHEET TITLE:  
**SITE ELECTRICAL PLAN**

SHEET NUMBER:

**E200**

DATE:  
 03/31/2021



**1 SITE ELECTRICAL PLAN**  
 SCALE: 1"=50'-0"



Know what's below.  
 Call before you dig.



OWNERSHIP OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF HARTMANN ARCHITECTURE AND HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE USED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT © HARTMANN ARCHITECTURE STUDIO.

### SHEET NOTES

- CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
- VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.
- FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING, SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN AND FINISH.
- CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
- CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
- ALL SERVICE ENTRANCE EQUIPMENT SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL UTILITY COMPANY FOR APPROVAL. WITH WRITTEN APPROVAL RECEIVED PRIOR TO SUBMISSION TO ELECTRICAL ENGINEER FOR APPROVAL.
- VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
- MINIMUM CONDUIT BURIAL DEPTH IS 24" 36" MINIMUM BELOW STREETS AND PARKING LOTS. FOR 0-600 VOLT SYSTEMS.
- PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
- 1" CONDUIT MINIMUM UNDERGROUND.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
- FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE OF WORK BEING PERFORMED. COORDINATE WITH DISTRICT REPRESENTATIVE.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR, AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.
- VERIFY AND PROVIDE ALL UTILITY SYSTEMS PER SERVING UTILITY STANDARD REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE VOLTAGE SURGE ARRESTER PER NFPA 20, ARTICLE 10.4.1 REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE CONCRETE ENCASUREMENT AT ALL VERIZON COMPANY CONDUIT BENDS PER VERIZON COMPANY REQUIREMENTS.

### KEY NOTES

(NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)

- PROTECT IN PLACE.
- ALL WORK & LOCATIONS SHALL BE COORDINATED WITH FINAL SCE COMPANY CONSTRUCTION DRAWINGS PRIOR TO STARTING CONSTRUCTION. VERIFY & PROVIDE ALL WORK PER SCE COMPANY REQUIREMENTS.
- PROVIDE 24"x36" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "PV SYSTEM". #B2436BOX W/B2436-51JH COVER, BY CHRISTY CONCRETE.
- VERIFY AND PROVIDE PER FINAL PV SYSTEM DRAWINGS. SHOWN FOR INFORMATION ONLY.
- PROVIDE 3'x5'x4" TRAFFIC RATED VAULT, WITH STEEL DIAMOND PLATE COVER ENGRAVED WITH "ELECTRIC". EDISON 3548FP, BY OLD CASTLE PRECAST.
- RISE UP AND LB INTO BACK OF DISTRIBUTION BOARD.
- REFER TO PROPOSED SINGLE LINE DIAGRAM FOR FEEDER INFORMATION.
- PROVIDE CONCRETE HOUSEKEEPING PAD. REFER TO STRUCTURAL FOR ANCHORING EXACT DIMENSIONS AND ALL ANCHORING REQUIREMENTS. CONCRETE HOUSEKEEPING PAD SHALL EXTEND 4" ABOVE FINISHED GRADE.
- PROVIDE 30"x48" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B3048BOX W/B3048-51JH COVER, BY CHRISTY CONCRETE.
- PROVIDE 17"x30" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B1730BOX W/B1730-51JH COVER, BY CHRISTY CONCRETE.
- PROVIDE 13"x24" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B1324BOX W/B1324-51JH COVER, BY CHRISTY CONCRETE.

UTILITY CONTACTS	
SCE (POWER)	GLENN GORSS (805) 603-8061 (CELL) GLENN.GORSS@SCE.COM (E-MAIL)

NOTE:  
 IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CIVIL ENGINEERING DRAWINGS AND SITE AS-BUILTS (OBTAIN FROM OWNER) TO IDENTIFY THE LOCATION AND ROUTING OF ALL EXISTING UNDERGROUND UTILITIES, METERS, DRAINS, LANDSCAPING AND STRUCTURAL OBSTACLES PRIOR TO TRENCHING AND CONDUIT DUCT BANK ROUTING. THE CONTRACTOR SHALL CONDUCT AN UNDERGROUND SCAN OF THE CORRIDOR WHERE NEW TRENCHING SHALL OCCUR, AND TO COORDINATE THE ROUTING OF NEW TRENCHING IN AREAS OF EXISTING UNDERGROUND UTILITIES. TRENCHING FOR NEW UNDERGROUND CONDUITS IN AREAS WHERE EXISTING UNDERGROUND UTILITIES ARE PRESENT, WHETHER SHOWN ON THESE PLANS OR NOT, SHALL BE EXCAVATED BY HAND AND WITH EXTREME CAUTION SO AS NOT TO DISTURB EXISTING UTILITIES. CONTRACTOR SHALL PROMPTLY REPAIR DAMAGE TO OWNER'S SATISFACTION. UNDERGROUND POWER AND COMMUNICATION PULL BOXES WHERE SHOWN ON THE SITE PLAN TO BE RELOCATED TO A POSITION AS CLOSE AS POSSIBLE TO THE LOCATION SHOWN ON THE DRAWING. CONTRACTOR SHALL PROMPTLY NOTIFY OWNER IF ANY EXISTING UTILITY OR IRRIGATION LINE IS DAMAGED, AND SHALL PROMPTLY REPAIR DAMAGE TO OWNER'S SATISFACTION.

AGENCY APPROVAL:



HARTMANNARCHITECTURESTUDIO.COM  
 430 S. CARRILLO RD.  
 OJAI, CALIFORNIA 91323  
 (805) 798-2253

CONSULTANTS:

FERRANTI ENGINEERING  
 CONSULTING  
 ELECTRICAL ENGINEERS  
 1211 MARICOPA HWY,  
 SUITE 250  
 OJAI, CA 93023  
 (805) 705-4772  
 DALEFERRANTI@LIVE.COM

SEALS:

PROJECT:  
**NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS**

OWNER:  
 OJAI UNIFIED SCHOOL DISTRICT  
 414 EAST OJAI AVENUE  
 OJAI, CA 93023  
 (805) 640-4300  
 CONTACT: ADAM DUTTER  
 EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:  
 TOPA TOPA ELEMENTARY SCHOOL  
 916 MOUNTAIN VIEW AVENUE  
 OJAI, CA 93023

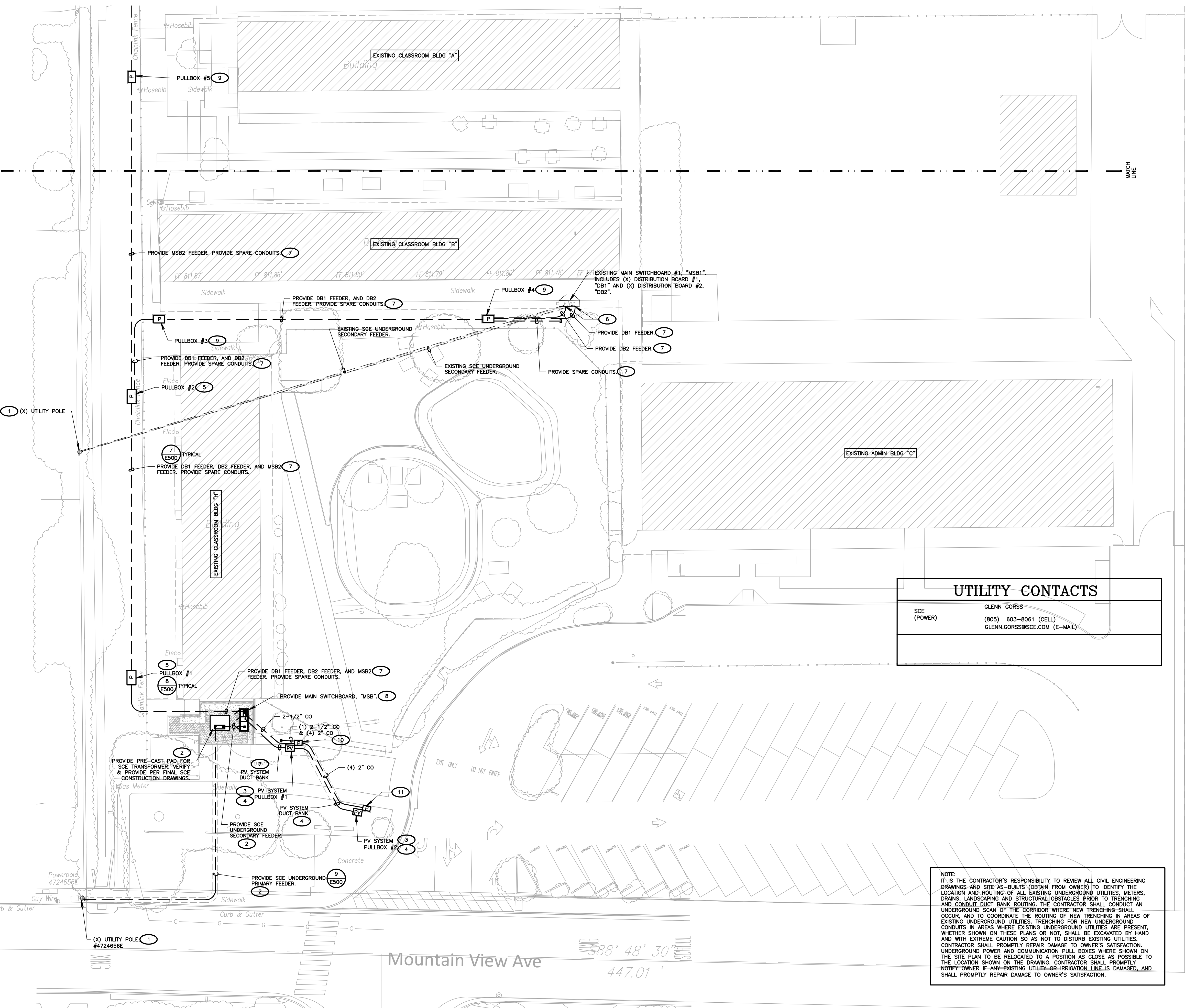
ISSUE:	MARK	DATE	DESCRIPTION

PROJECT INFORMATION:  
 PROJECT NUMBER: 2020.011  
 PROJECT PHASE: 04CONDOC  
 DRAWN BY: D.F.  
 REVIEWED BY: D.F.

THE ORIGINAL SIZE OF THIS SHEET IS 36"x24". IF THE CURRENT SIZE IS OTHER THAN 36"x24", THEN ADJUST THE SCALE OF THE DRAWING ACCORDINGLY.  
 SHEET TITLE:  
**PARTIAL SITE ELECTRICAL PLAN**

SHEET NUMBER:  
**E201**

DATE:  
 03/31/2021

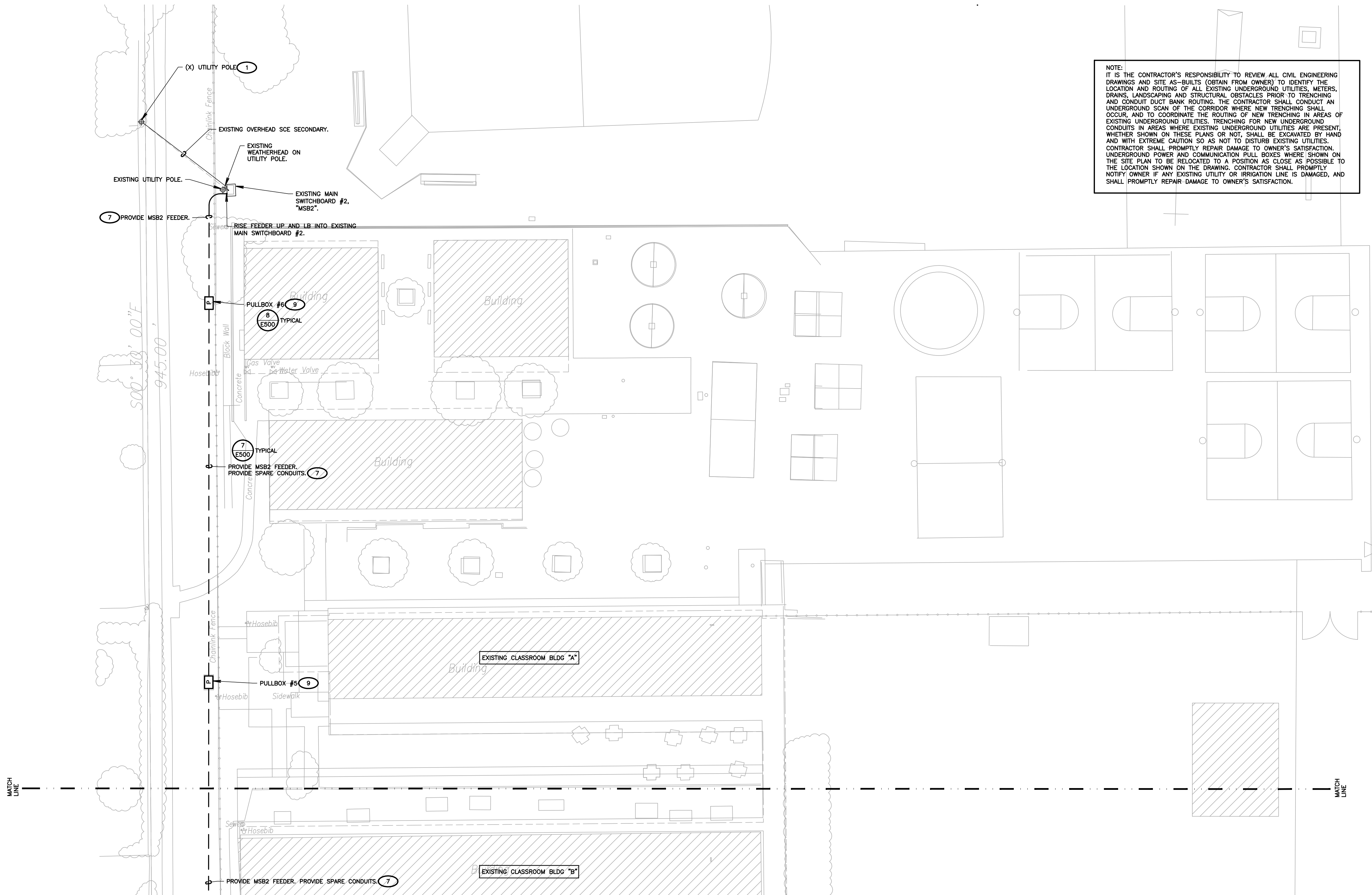


**1 PARTIAL SITE ELECTRICAL PLAN**  
 SCALE: 1"=20'-0"

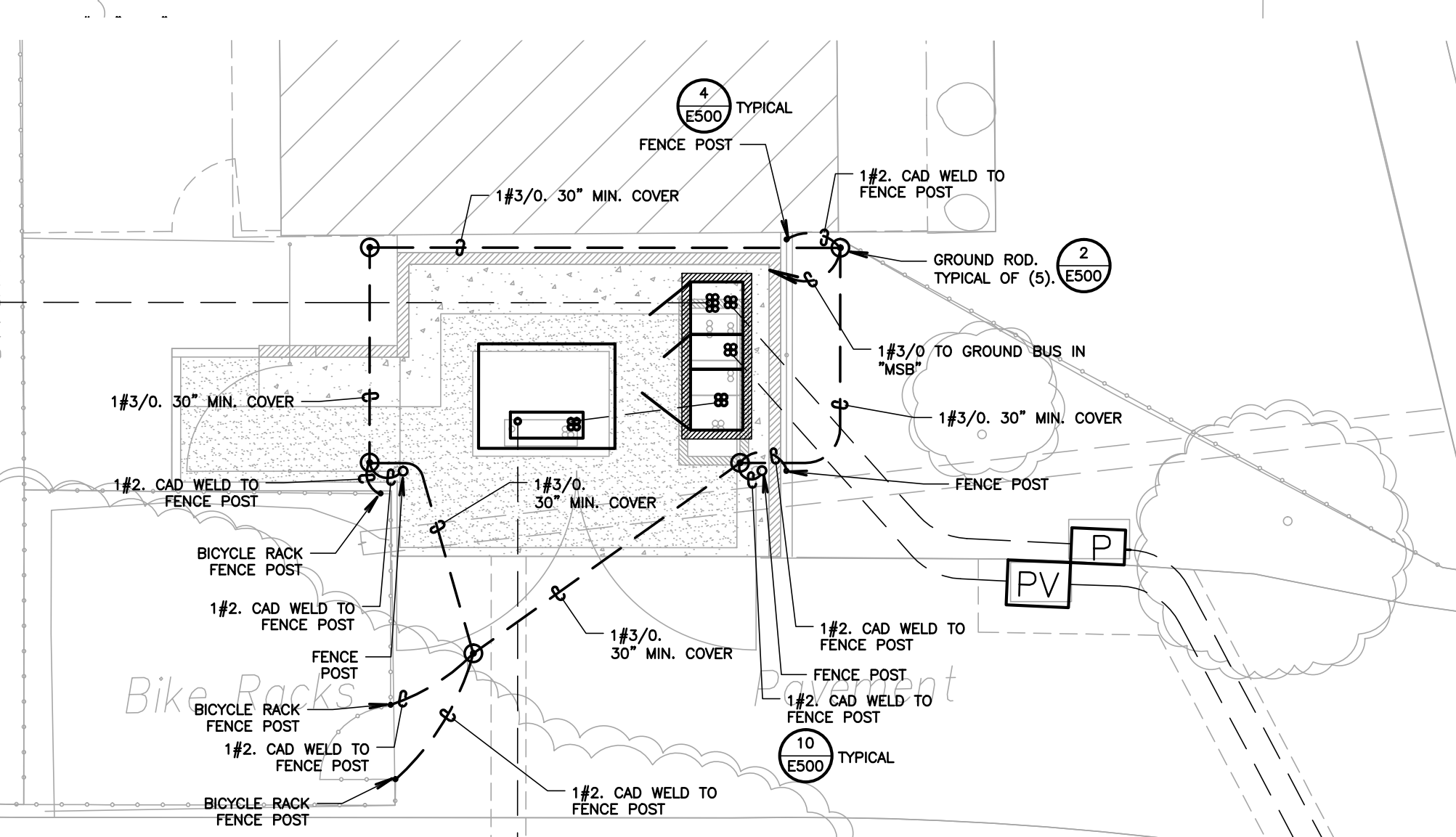


Know what's below.  
 Call before you dig.

CONSTRUCTION OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF HARTMANN ARCHITECTURE AND HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE USED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT MARTIN HARTMANN ARCHITECT 2016.



**1 PARTIAL SITE ELECTRICAL PLAN**  
SCALE: 1"=20'-0"



- (A) METAL FENCES: WHERE METAL FENCES ARE LOCATED WITHIN 16 FEET OF THE EXPOSED ELECTRICAL CONDUCTORS OR EQUIPMENT, THE FENCE SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM WITH WIRE-TYPE BONDING JUMPERS.
1. BONDING JUMPERS SHALL BE INSTALLED AT EACH FENCE CORNER AND AT A MAXIMUM 160 FOOT INTERVALS ALONG THE FENCE.
2. WHERE BARE OVERHEAD CONDUCTORS CROSS THE FENCE, BONDING JUMPERS SHALL BE INSTALLED ON EACH SIDE OF THE CROSSING.
3. GATES SHALL BE BONDED TO THE GATE SUPPORT POST, AND EACH GATE SUPPORT POST SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.
4. ANY GATE OR OTHER OPENING IN THE FENCE SHALL BE BONDED ACROSS THE OPENING BY A BURIED BONDING JUMPER.
5. THE GROUNDING GRID OR GROUNDING ELECTRODE SYSTEMS SHALL BE EXTENDED TO COVER THE SWING OF ALL GATES.
6. THE BARBED WIRE STRANDS ABOVE THE FENCE SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.

**2 GROUND RING AND BONDING PLAN**  
SCALE: 1/8"=1'-0"

**NOTE:**  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CIVIL ENGINEERING DRAWINGS AND SITE AS-BUILTS (OBTAIN FROM OWNER) TO IDENTIFY THE LOCATION AND ROUTING OF ALL EXISTING UNDERGROUND UTILITIES, METERS, DRAINS, LANDSCAPING AND STRUCTURAL OBSTACLES PRIOR TO TRENCHING AND CONDUIT DUCT BANK ROUTING. THE CONTRACTOR SHALL CONDUCT AN UNDERGROUND SCAN OF THE CORRIDOR WHERE NEW TRENCHING SHALL OCCUR, AND TO COORDINATE THE ROUTING OF NEW TRENCHING IN AREAS OF EXISTING UNDERGROUND UTILITIES. TRENCHING FOR NEW UNDERGROUND CONDUITS IN AREAS WHERE EXISTING UNDERGROUND UTILITIES ARE PRESENT, WHETHER SHOWN ON THESE PLANS OR NOT, SHALL BE EXCAVATED BY HAND AND WITH EXTREME CAUTION SO AS NOT TO DISTURB EXISTING UTILITIES. CONTRACTOR SHALL PROMPTLY REPAIR DAMAGE TO OWNER'S SATISFACTION. UNDERGROUND POWER AND COMMUNICATION PULL BOXES WHERE SHOWN ON THE SITE PLAN TO BE RELOCATED TO A POSITION AS CLOSE AS POSSIBLE TO THE LOCATION SHOWN ON THE DRAWING. CONTRACTOR SHALL PROMPTLY NOTIFY OWNER IF ANY EXISTING UTILITY OR IRRIGATION LINE IS DAMAGED, AND SHALL PROMPTLY REPAIR DAMAGE TO OWNER'S SATISFACTION.

**SHEET NOTES**

1. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 811 TO LOCATE UNDERGROUND UTILITIES AT LEAST 2 WORKING DAYS PRIOR TO DIGGING. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
2. VERIFY LOCATION OF ALL BUILDINGS AND APPURTENANCES ON ARCHITECTURAL AND CIVIL PLANS.
3. FIELD VERIFY LOCATION ON ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
4. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
5. CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
6. ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
7. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
8. ALL SERVICE ENTRANCE EQUIPMENT SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL UTILITY COMPANY FOR APPROVAL, WITH WRITTEN APPROVAL RECEIVED PRIOR TO SUBMISSION TO ELECTRICAL ENGINEER FOR APPROVAL.
9. VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
10. MINIMUM CONDUIT BURIAL DEPTH IS 24" 36" MINIMUM BELOW STREETS AND PARKING LOTS, FOR 0-600 VOLT SYSTEMS.
11. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
12. 1" CONDUIT MINIMUM UNDERGROUND.
13. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
14. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURER'S RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
15. FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE OF WORK BEING PERFORMED. COORDINATE WITH DISTRICT REPRESENTATIVE.
16. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
17. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR, AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.
18. VERIFY AND PROVIDE ALL UTILITY SYSTEMS PER SERVING UTILITY STANDARD REQUIREMENTS.
19. CONTRACTOR SHALL PROVIDE VOLTAGE SURGE ARRESTER PER NFPA 20, ARTICLE 10.4.1 REQUIREMENTS.
20. CONTRACTOR SHALL PROVIDE CONCRETE ENCASMENT AT ALL VERIZON COMPANY CONDUIT BENDS PER VERIZON COMPANY REQUIREMENTS.

**KEY NOTES**

- (NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)
1. PROTECT IN PLACE.
  2. ALL WORK & LOCATIONS SHALL BE COORDINATED WITH FINAL SITE COMPANY CONSTRUCTION DRAWINGS PRIOR TO STARTING CONSTRUCTION. VERIFY & PROVIDE ALL WORK PER SITE COMPANY REQUIREMENTS.
  3. PROVIDE 24"x36" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "PV SYSTEM". #B2436BOX W/B2436-51JH COVER, BY CHRISTY CONCRETE.
  4. VERIFY AND PROVIDE PER FINAL PV SYSTEM DRAWINGS. SHOWN FOR INFORMATION ONLY.
  5. PROVIDE 3'x5'x4" TRAFFIC RATED VAULT, WITH STEEL DIAMOND PLATE COVER ENGRAVED WITH "ELECTRIC". EDISON 3548FP, BY OLD CASTLE PRECAST.
  6. RISE UP AND LB INTO BACK OF DISTRIBUTION BOARD.
  7. REFER TO PROPOSED SINGLE LINE DIAGRAM FOR FEEDER INFORMATION.
  8. PROVIDE CONCRETE HOUSEKEEPING PAD, REFER TO STRUCTURAL FOR ANCHORING EXACT DIMENSIONS AND ALL ANCHORING REQUIREMENTS. CONCRETE HOUSEKEEPING PAD SHALL EXTEND 4" ABOVE FINISHED GRADE.
  9. PROVIDE 30"x48" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B3048BOX W/B3048-51JH COVER, BY CHRISTY CONCRETE.
  10. PROVIDE 17"x30" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B1730BOX W/B1730-51JH COVER, BY CHRISTY CONCRETE.
  11. PROVIDE 13"x24" TRAFFIC RATED PULLBOX WITH STEEL CHECKER PLATE COVER ENGRAVED WITH "ELECTRIC". #B1324BOX W/B1324-51JH COVER, BY CHRISTY CONCRETE.

**AGENCY APPROVAL:**



**CONSULTANTS:**

**FERRANTI ENGINEERING**  
CONSULTING  
ELECTRICAL ENGINEERS  
1211 MARICOPA HWY,  
SUITE 250  
OJAI, CA 93023  
(805) 705-4772  
DALEFERRANTI@LIVE.COM

**SEALS:**

**Preliminary**  
04/26/2021 2:33:31 PM

**PROJECT:**  
NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS

**OWNER:**  
OJAI UNIFIED SCHOOL DISTRICT  
414 EAST OJAI AVENUE  
OJAI, CA 93023  
(805) 640-4300  
CONTACT: ADAM DUTTER  
EMAIL: adutter@ojaisd.org

**PROJECT ADDRESS:**  
TOPA TOPA ELEMENTARY SCHOOL  
916 MOUNTAIN VIEW AVENUE  
OJAI, CA 93023

ISSUE:		
MARK	DATE	DESCRIPTION

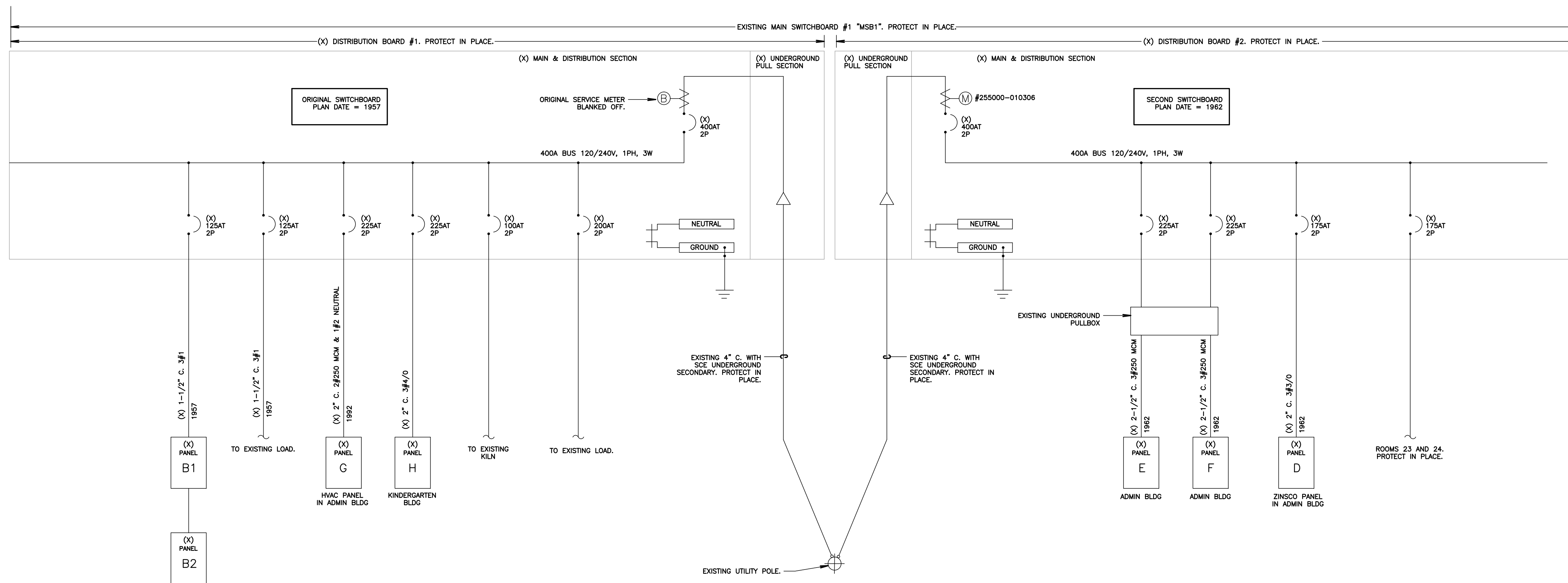
**PROJECT INFORMATION:**  
PROJECT NUMBER: 2020.011  
PROJECT PHASE: 04COND0C  
DRAWN BY: D.F.  
REVIEWED BY: D.F.

THE ORIGINAL SIZE OF THIS SHEET IS 36"x24". IF THE CURRENT SIZE IS OTHER THAN 36"x24", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.  
**SHEET TITLE:**  
PARTIAL SITE ELECTRICAL PLAN

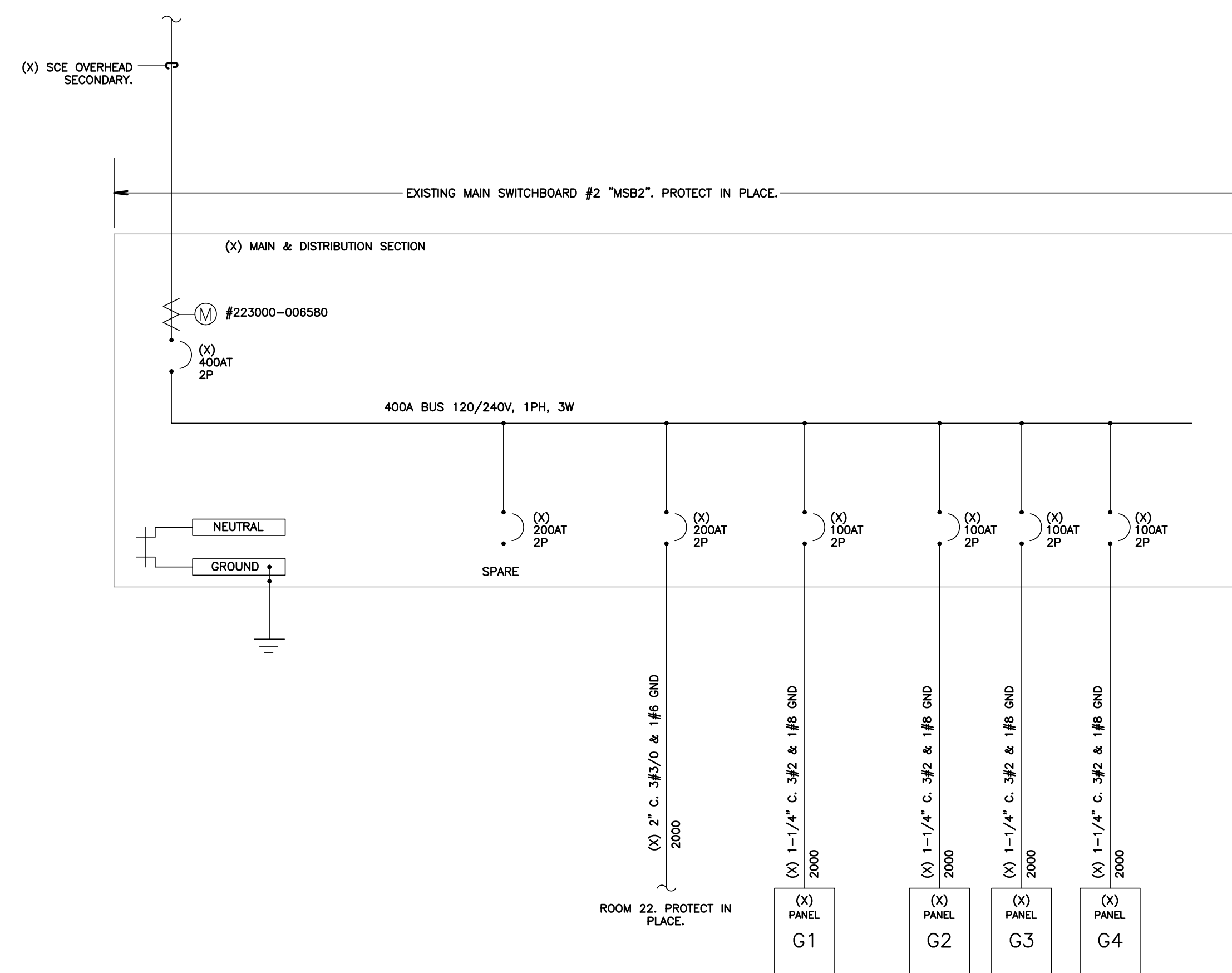
**SHEET NUMBER:**  
**E202**

**DATE:**  
03/31/2021





**1** SINGLE LINE DIAGRAM (MAIN SWITCHBOARD #1, "MSB1")  
SCALE: NOT TO SCALE



**2** SINGLE LINE DIAGRAM (MAIN SWITCHBOARD #2, "MSB2")  
SCALE: NOT TO SCALE

AGENCY APPROVAL:



HARTMANNARCHITECTURESTUDIO.COM  
430 S. CARRILLO RD.  
OJAI, CALIFORNIA 93023  
(805) 798-2253

CONSULTANTS:

**FERRANTI ENGINEERING**  
CONSULTING  
ELECTRICAL ENGINEERS  
1211 MARICOPA HWY,  
SUITE 250  
OJAI, CA 93023  
(805) 705-4772  
DALEFERRANTI@LIVE.COM

SEALS:



PROJECT:  
**NEW ELECTRICAL SERVICE  
& SITE IMPROVEMENTS**

OWNER:  
OJAI UNIFIED SCHOOL DISTRICT  
414 EAST OJAI AVENUE  
OJAI, CA 93023  
(805) 640-4300  
CONTACT: ADAM DUTTER  
EMAIL: adutter@ojaiusd.org

PROJECT ADDRESS:  
TOPA TOPA ELEMENTARY SCHOOL  
916 MOUNTAIN VIEW AVENUE  
OJAI, CA 93023

ISSUE:		
MARK	DATE	DESCRIPTION

PROJECT INFORMATION:  
PROJECT NUMBER: 2020.011  
PROJECT PHASE: 04CONDOC  
DRAWN BY: D.F.  
REVIEWED BY: D.F.

SHEET TITLE:  
**SINGLE  
LINE  
DIAGRAMS  
EXISTING**

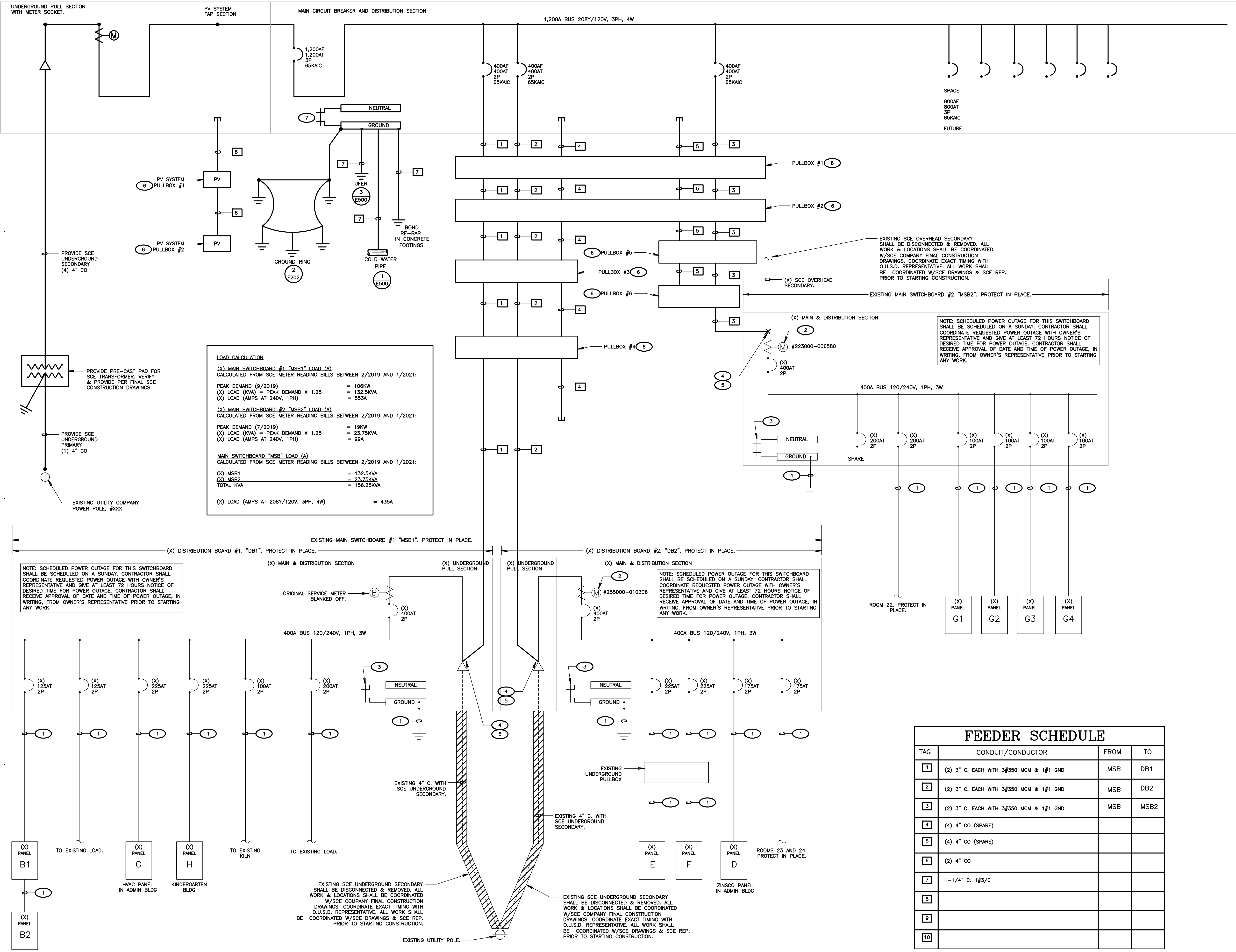
SHEET NUMBER:  
**E300**

DATE:  
03/31/2021

OWNERSHIP OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF FERRANTI ENGINEERING AND SHALL NOT BE USED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT MARTIN HARTMANN ARCHITECT 2018.

COPYRIGHT © 2018 HARTMANN ARCHITECTURE AND ENGINEERING. ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF HARTMANN ARCHITECTURE AND ENGINEERING. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR REPRODUCTION OF THIS DOCUMENT IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT.

PROVIDE MAIN SWITCHBOARD, "MSB".



**LOAD CALCULATION**

(X) MAIN SWITCHBOARD #1 "MSB1" LOAD (A)  
 CALCULATED FROM SCE METER READING BILLS BETWEEN 2/2019 AND 1/2021:  
 PEAK DEMAND (9/2019) = 106KW  
 (X) LOAD (KVA) = PEAK DEMAND X 1.25 = 132.5KVA  
 (X) LOAD (AMPS AT 240V, 1PH) = 553A

(X) MAIN SWITCHBOARD #2 "MSB2" LOAD (A)  
 CALCULATED FROM SCE METER READING BILLS BETWEEN 2/2019 AND 1/2021:  
 PEAK DEMAND (7/2019) = 19KW  
 (X) LOAD (KVA) = PEAK DEMAND X 1.25 = 23.75KVA  
 (X) LOAD (AMPS AT 240V, 1PH) = 99A

MAIN SWITCHBOARD "MSB" LOAD (A)  
 CALCULATED FROM SCE METER READING BILLS BETWEEN 2/2019 AND 1/2021:  
 (X) MSB1 = 132.5KVA  
 (X) MSB2 = 23.75KVA  
 TOTAL KVA = 156.25KVA  
 (X) LOAD (AMPS AT 208Y/120V, 3PH, 4W) = 435A

**FEEDER SCHEDULE**

TAG	CONDUIT/CONDUCTOR	FROM	TO
1	(2) 3" C. EACH WITH 3#350 MCM & 1#1 GND	MSB	DB1
2	(2) 3" C. EACH WITH 3#350 MCM & 1#1 GND	MSB	DB2
3	(2) 3" C. EACH WITH 3#350 MCM & 1#1 GND	MSB	MSB2
4	(4) 4" CO (SPARE)		
5	(4) 4" CO (SPARE)		
6	(2) 4" CO		
7	1-1/4" C. 1#3/0		
8			
9			
10			

**SHEET NOTES**

- VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
- CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
- VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
- PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED CONDUITS.
- 1" CONDUIT MINIMUM UNDERGROUND.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
- FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR, AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.
- UNLESS NOTED OTHERWISE, ALL DEVICES AND TERMINATIONS SHALL BE RATED FOR 75 DEGREES CELSIUS.
- ALL CONDUCTORS #8 AND SMALLER SHALL BE THIN/THIN CU. ALL CONDUCTORS #6 AND LARGER SHALL BE XHHW-2 CU.
- PER CEC 110.24, SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- PER CEC 110.16, ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

**KEY NOTES**

- (NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)
- EXISTING FEEDER. PROTECT IN PLACE.
  - EXISTING SCE METER SHALL BE DISCONNECTED & REMOVED. BLANK-OFF METER SOCKET IN A WAY THAT MAINTAINS U.L. LISTING OF EQUIPMENT. ALL WORK SHALL BE COORDINATED WITH SCE COMPANY FINAL CONSTRUCTION DRAWINGS.
  - DISCONNECT & REMOVE MAIN BONDING JUMPER.
  - CONTRACTOR SHALL FIELD VERIFY EXACT POINT OF CONNECTION & PROVIDE ALL NECESSARY WORK & MATERIALS IN ORDER TO RECONNECT SWITCHBOARD TO NEW FEEDER.
  - NOTE: EXACT TIMING OF CUT-OVER SHALL BE COORDINATED WITH SCE COMPANY & O.U.S.D. WORK SHALL BE PERFORMED AFTER HOURS IN ORDER TO MINIMIZE DISRUPTION TO SCHOOL SCHEDULE.
  - NOTE: PULLBOXES NOT SHOWN. REFER TO SITE ELECTRICAL PLANS FOR PULLBOX LOCATIONS AND PULLBOX SPECIFICATIONS.
  - REMOVABLE LINK. MAIN SWITCHBOARD SHALL BE PROVIDED WITH FACTORY INSTALLED MAIN BONDING JUMPER.

**AGENCY APPROVAL:**



HARTMANNARCHITECTURESTUDIO.COM  
 430 S. CARRILLO RD.  
 OJAI, CALIFORNIA 93023  
 (805) 798-2253

**CONSULTANTS:**

FERRANTI ENGINEERING  
 CONSULTING ELECTRICAL ENGINEERS  
 1211 MARICOPA HWY, SUITE 250  
 OJAI, CA 93023  
 (805) 705-4772  
 DALEFERRANTI@LIVE.COM

**SEALS:**



**PROJECT:**  
 NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS

**OWNER:**  
 OJAI UNIFIED SCHOOL DISTRICT  
 414 EAST OJAI AVENUE  
 OJAI, CA 93023  
 (805) 640-4300  
 CONTACT: ADAM DUTTER  
 EMAIL: adutter@ojaiusd.org

**PROJECT ADDRESS:**  
 TOPA TOPA ELEMENTARY SCHOOL  
 916 MOUNTAIN VIEW AVENUE  
 OJAI, CA 93023

**ISSUE:**

MARK	DATE	DESCRIPTION

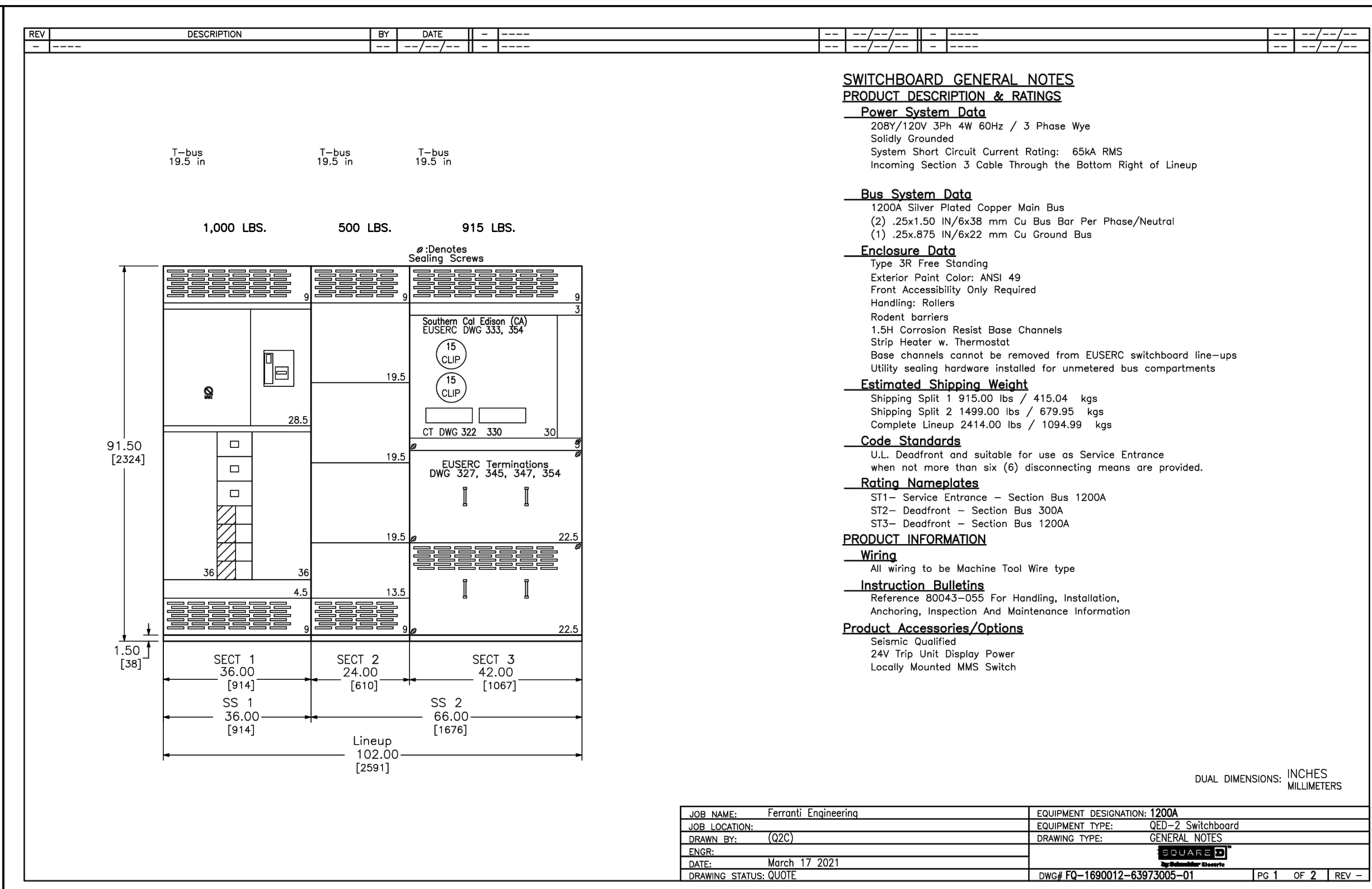
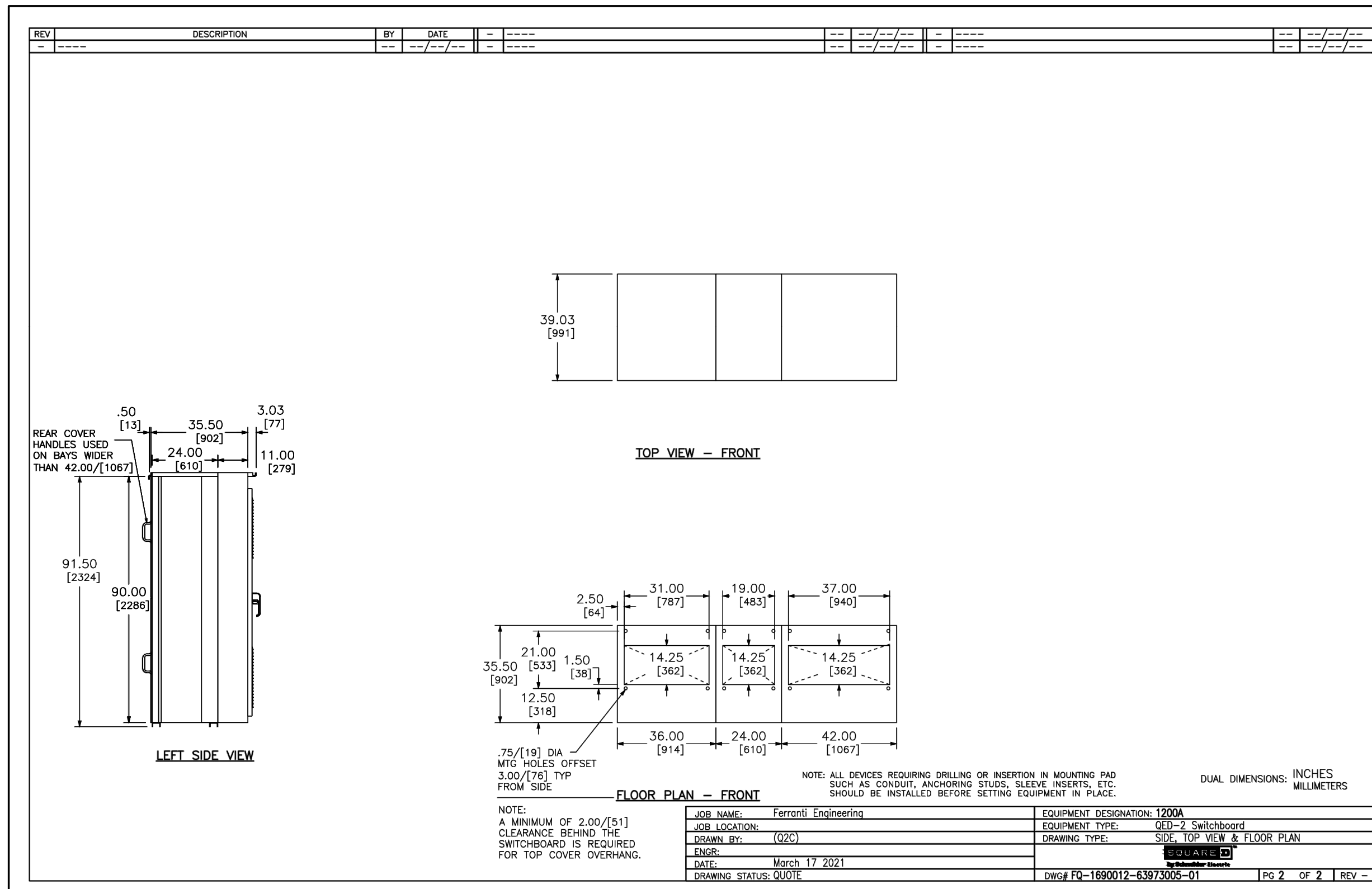
**PROJECT INFORMATION:**  
 PROJECT NUMBER: 2020.011  
 PROJECT PHASE: 04COND0C  
 DRAWN BY: D.F.  
 REVIEWED BY: D.F.

**SHEET TITLE:**  
 SINGLE LINE DIAGRAM PROPOSED

**SHEET NUMBER:**  
 E301

**DATE:**  
 03/31/2021

**1 PROPOSED SINGLE LINE DIAGRAM (MAIN SWITCHBOARD, "MSB")**  
 SCALE: NOT TO SCALE



**POWER STYLE QED-2 SWITCHBOARD**

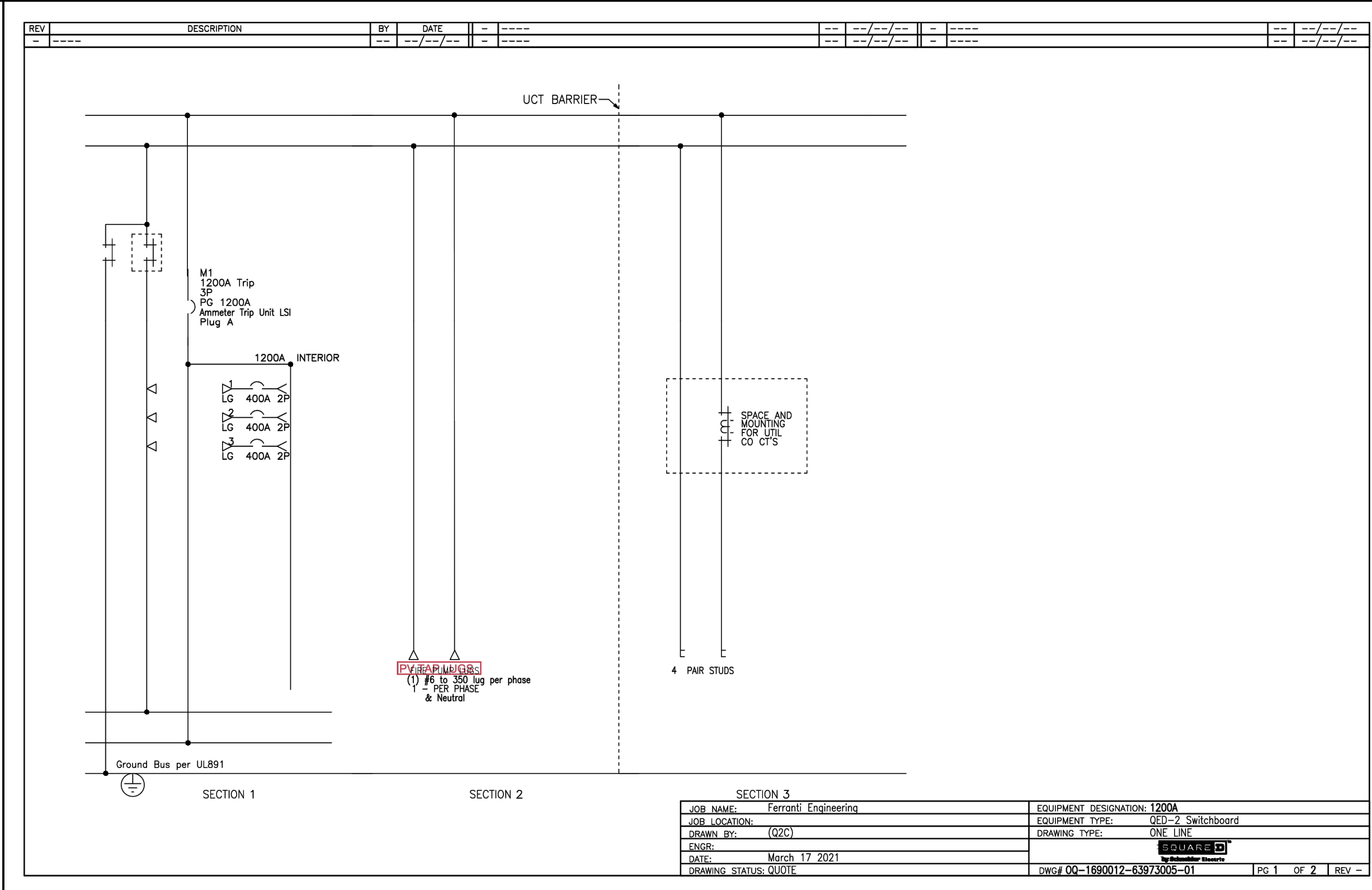
SECT NO	CKT NO	IMD /GMD CONFIG	DEVICE /FRAME RATING	TRIP AMP	FUSE /TRIP #P	DESIGNATION	N/P	LUG/WIRE INFORMATION		ACCESSORIES / NOTES
								QTY	PHASE WIRE RANGE	
1	-	-	Strip Heater	-	-	-	-	-	-	SHR
1	M1	FIX	PG 1200A Plug A	1200A	A-LSI 3P	-	No	-	-	PLAMMS,TU
1	1	6 in	LG 40A	40GA	S-LI 2P	-	No	2 3/0 - 250 kcmil	2 3/0 - 250 kcmil	-
1	2	6 in	LG 40A	40GA	S-LI 2P	-	No	2 3/0 - 250 kcmil	2 3/0 - 250 kcmil	-
1	3	6 in	LG 40A	40GA	S-LI 2P	-	No	2 3/0 - 250 kcmil	2 3/0 - 250 kcmil	-
2	-	-	Strip Heater	-	-	-	-	-	-	SHR
3	-	-	Strip Heater	-	-	-	-	-	-	SHR
3	UCT	-	1200A	-	-	Southern Cal Edison (CA)	No	4 Pair Studs	4 Pair Studs	-

**LEGEND**  
 MMS Maintenance Mode Setting Switch  
 PLA Padlock Attachment-Fixed  
 SHR Strip Heater  
 TU 24V Trip Unit Display Power

JOB NAME: Ferranti Engineering  
 JOB LOCATION: (02C)  
 DRAWN BY: (02C)  
 DATE: March 17 2021  
 DRAWING STATUS: QUDR

EQUIPMENT DESIGNATION: 1200A  
 EQUIPMENT TYPE: QED-2 Switchboard  
 DRAWING TYPE: SCHEDULE  
 DATE: March 17 2021  
 DRAWING STATUS: QUDR

DWG# 00-1690012-63973005-01 Pg. 2 of 2 | REV -



**1 MAIN SWITCHBOARD, "MSB" SHOP DRAWINGS**  
 SCALE: NOT TO SCALE

AGENCY APPROVAL:



CONSULTANTS:

**FERRANTI ENGINEERING**  
 CONSULTING ELECTRICAL ENGINEERS  
 1211 MARICOPA HWY, SUITE 250  
 OJAI, CA 93023  
 (805) 705-4772  
 DALEFERRANTI@LIVE.COM

SEALS:

**PROJECT:**  
 NEW ELECTRICAL SERVICE & SITE IMPROVEMENTS

**OWNER:**  
 OJAI UNIFIED SCHOOL DISTRICT  
 414 EAST OJAI AVENUE  
 OJAI, CA 93023  
 (805) 640-4300  
 CONTACT: ADAM DUTTER  
 EMAIL: adutter@ojaiusd.org

**PROJECT ADDRESS:**  
 TOPA TOPA ELEMENTARY SCHOOL  
 916 MOUNTAIN VIEW AVENUE  
 OJAI, CA 93023

MARK	DATE	DESCRIPTION

**PROJECT INFORMATION:**  
 PROJECT NUMBER: 2020.011  
 PROJECT PHASE: 04CONDOC  
 DRAWN BY: D.F.  
 REVIEWED BY: D.F.

THE ORIGINAL SIZE OF THIS SHEET IS 36"X24". IF THE CURRENT SIZE IS OTHER THAN 36"X24", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

SHEET TITLE:

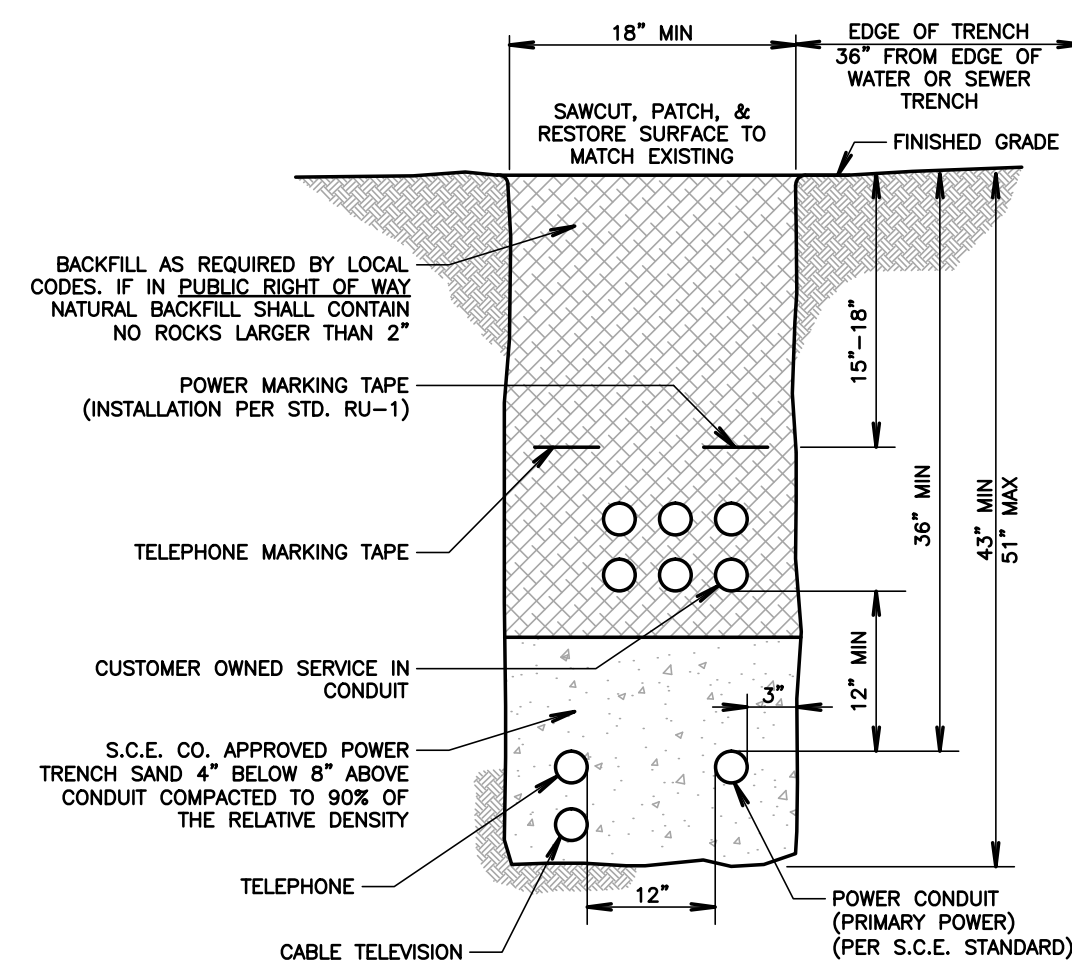
**MSB SHOP DRAWINGS**

SHEET NUMBER:  
**E400**  
 DATE: 03/31/2021

OWNERSHIP OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF PROFESSIONAL ENGINEER DALE FERRANTI AND HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE USED OR REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT. COPYRIGHT MARTIN HARTMANN ARCHITECT 2018.

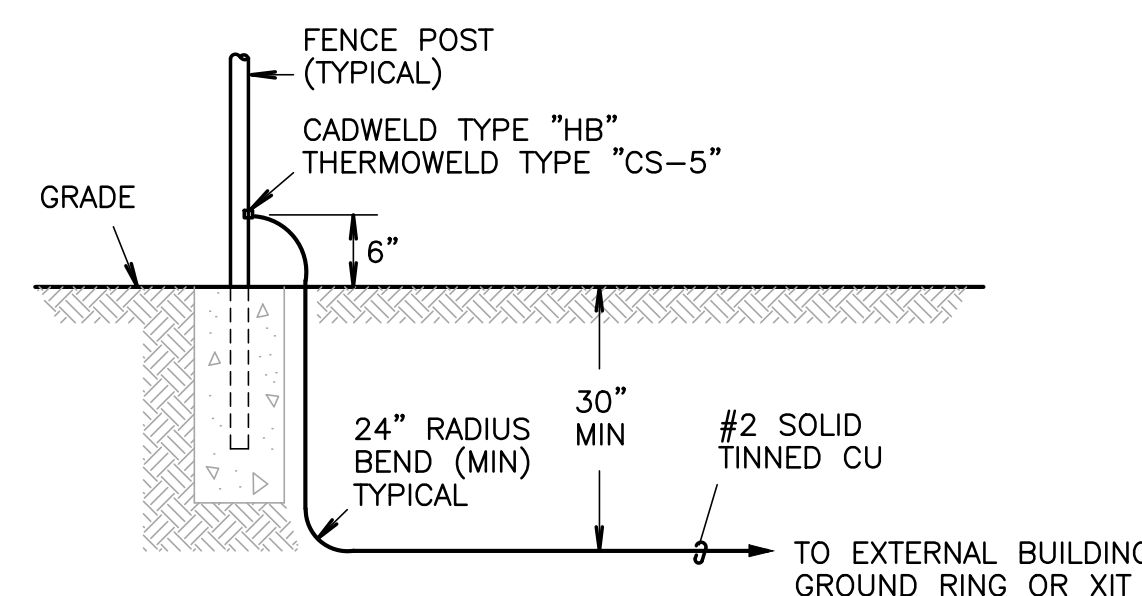
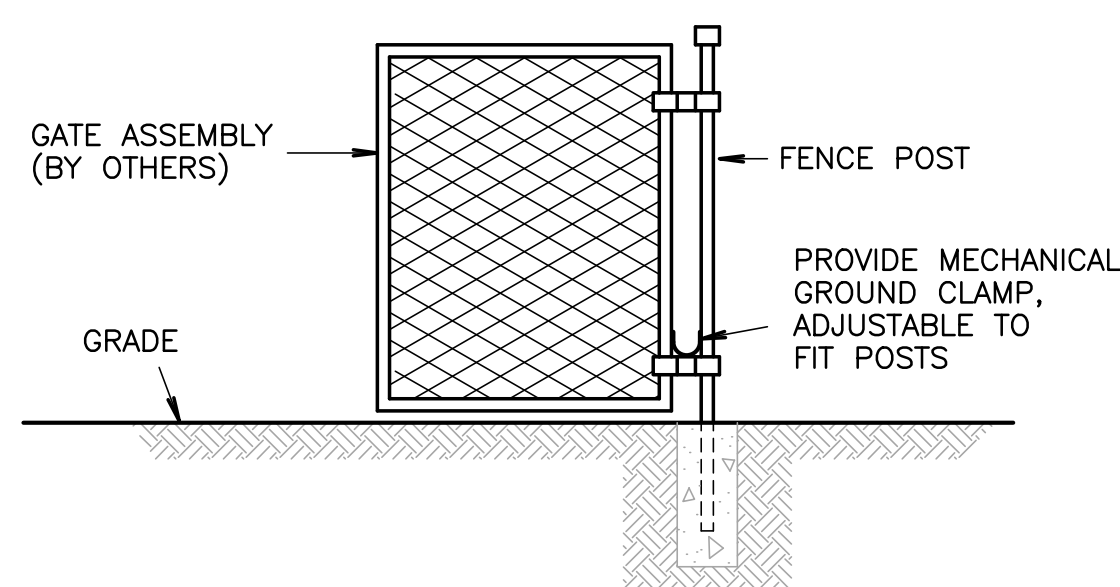
**DETAIL NOTES:**

- TRENCH DEPTH SHALL BE 43" MIN. BELOW ELEVATION OF FINISHED GRADE.
- REFER TO S.C.E. U.G. STANDARD FOR INSTALLATION OF CONDUIT.
- FOR "SOLE USE" TRENCH WITH ONE CONDUIT ONLY, TRENCH WIDTH MAY BE REDUCED TO TWO TIMES THE NOMINAL DIAMETER OF THE CONDUIT, BUT IN NO CASE LESS THAN 6 INCHES.



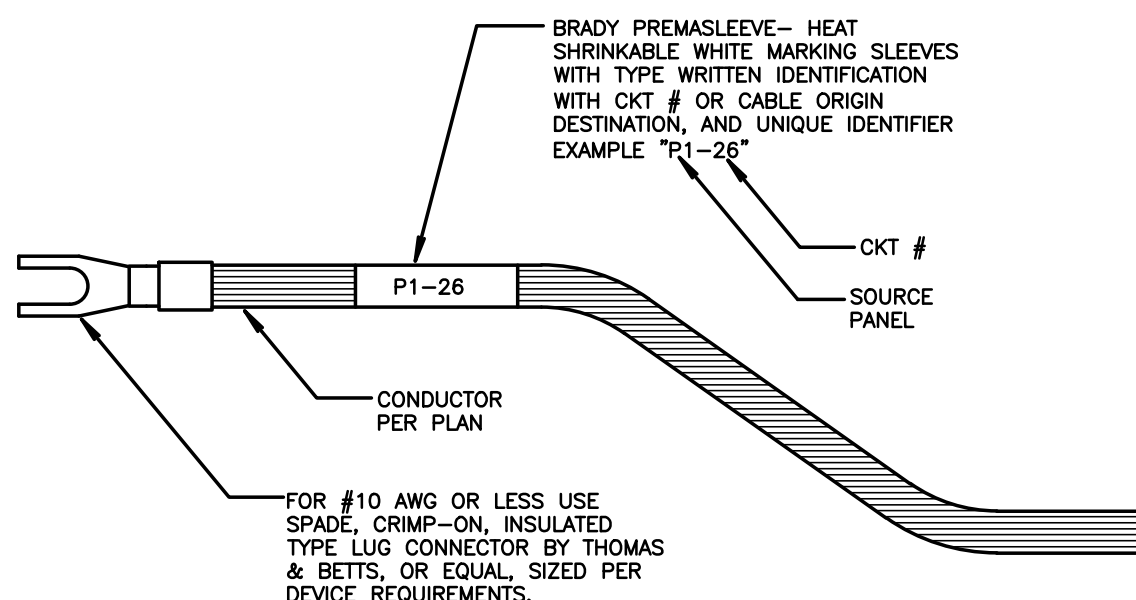
NOTE: VERIFY & PROVIDE TRENCH AND DUCT BANK PER UTILITY COMPANY REQUIREMENTS AND APPROVED SCE COMPANY DRAWINGS.

**9 TYPICAL SCE DUCT BANK DETAIL**  
NOT TO SCALE



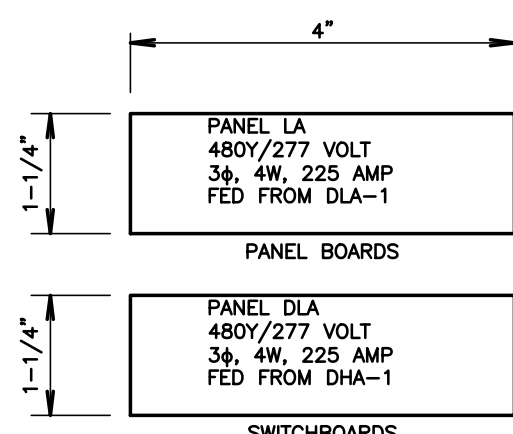
**10 FENCE/GATE GROUNDING DETAILS**  
NOT TO SCALE

NOTE: CONTRACTOR SHALL PROVIDE CONDUCTOR LABELING TO ALL POWER FEEDERS, BRANCH CIRCUITS, CONTROLS CIRCUITS, COMMUNICATIONS CABLES, FIRE ALARM CABLING, AND SECURITY SYSTEM CONDUCTORS.



TYPICAL CONDUCTOR LABEL

**5 TYPICAL LABELING DETAIL**  
SCALE: NOT TO SCALE

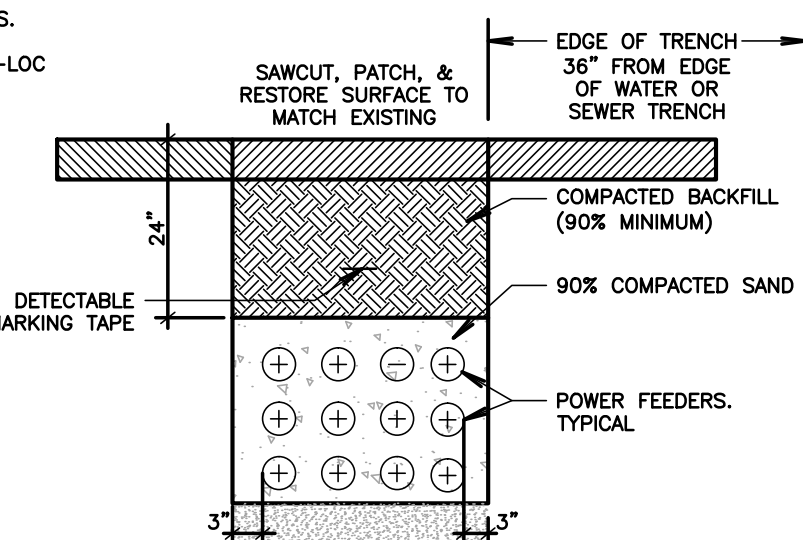


NOTE: CONTRACTOR SHALL PROVIDE NAMEPLATES ON ALL ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, PANELBOARDS, FEEDER BREAKERS, PULLBOXES, GENERATORS, TRANSFER SWITCHES, DISCONNECTS, ETC. IDENTIFICATION SHALL MATCH PROJECT SPECIFIC DETAILS

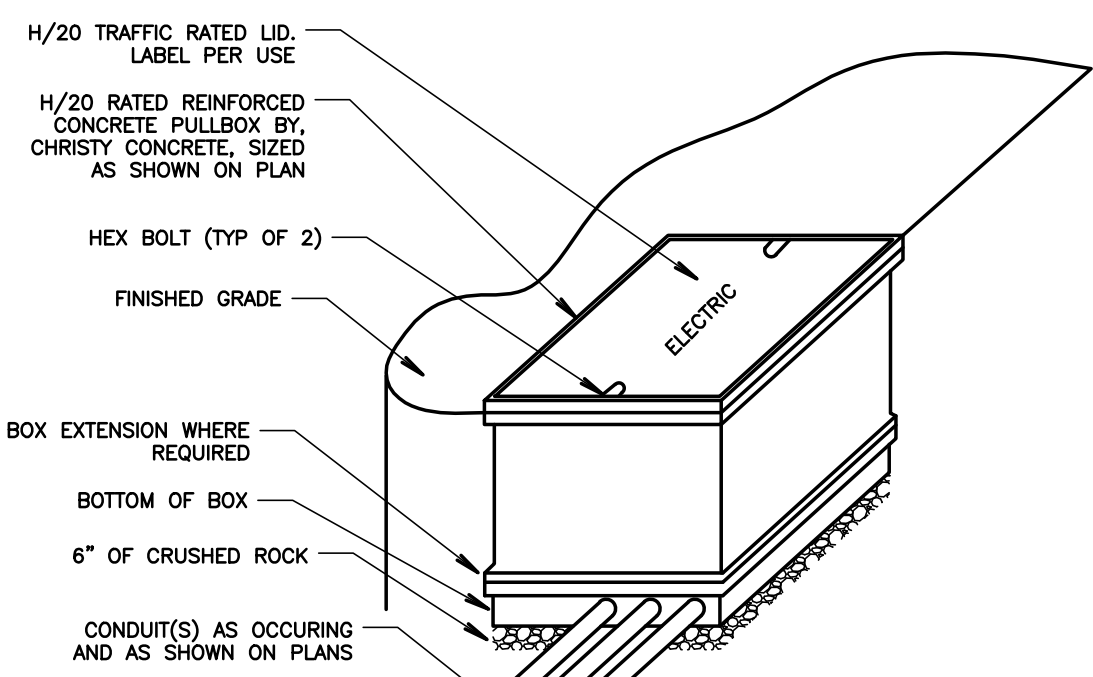
**6 TYPICAL NAMEPLATE DETAILS**  
NOT TO SCALE

- NOTES:**
- CONDUIT QUANTITIES AS INDICATED ON PLANS.
  - ALL CONDUITS SHALL BE ON CARLON SNAP-LOC SPACERS - 8"-0" ON CENTER.

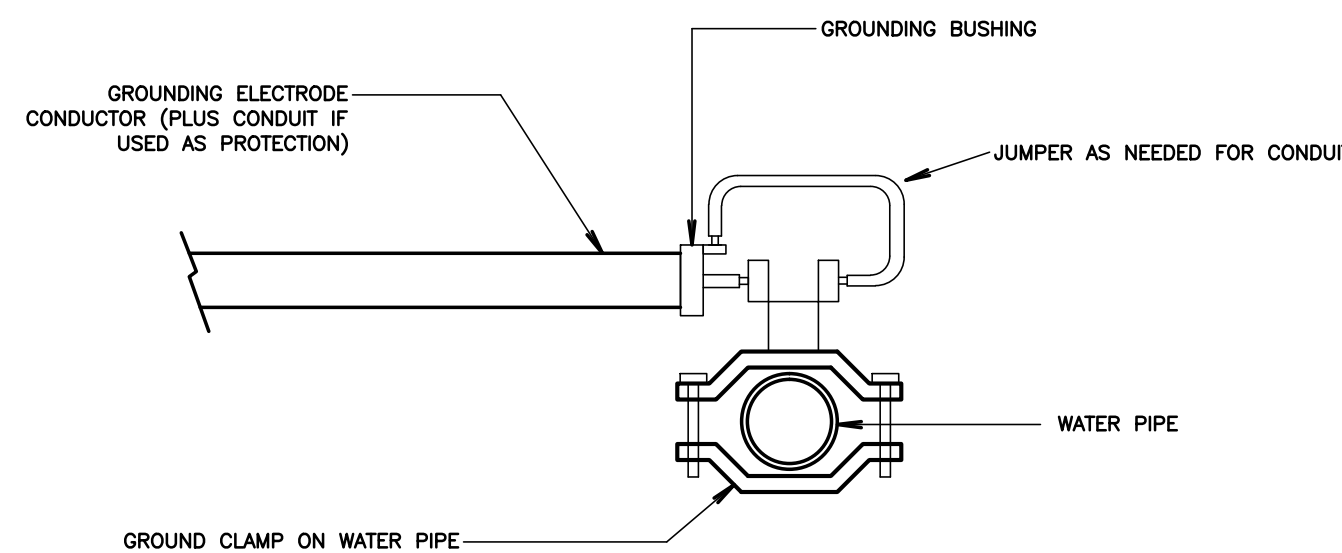
NOTE: THIS IS A TYPICAL DETAIL. REFER TO THE ELECTRICAL PLANS FOR QUANTITY AND SIZE OF UNDERGROUND CONDUITS AND FEEDERS.



**7 TYPICAL DUCT BANK SECTION**  
SCALE: NOT TO SCALE



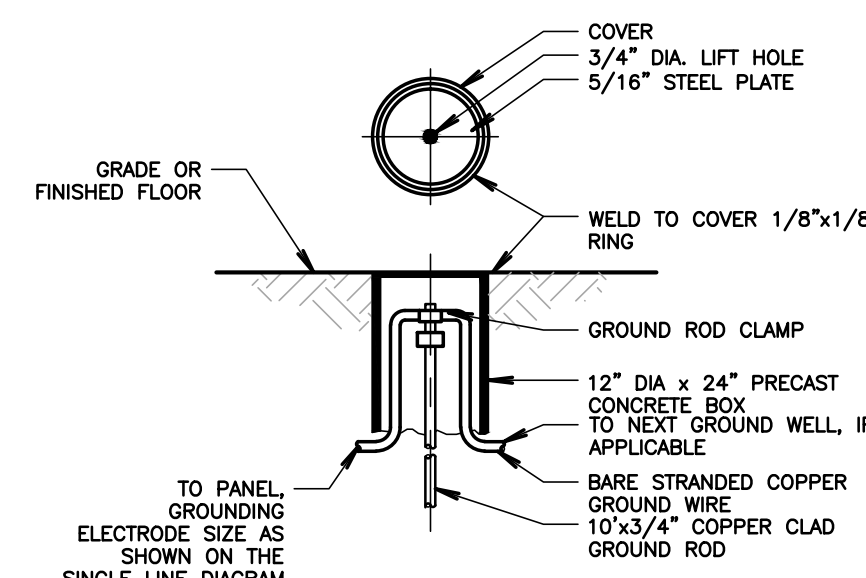
**8 TYPICAL PULL BOX DETAIL**  
SCALE: NOT TO SCALE



**DETAIL NOTES**

- BOND METAL PIPING SYSTEMS AT EACH BUILDING PER NEC, ARTICLE 250 REQUIREMENTS.

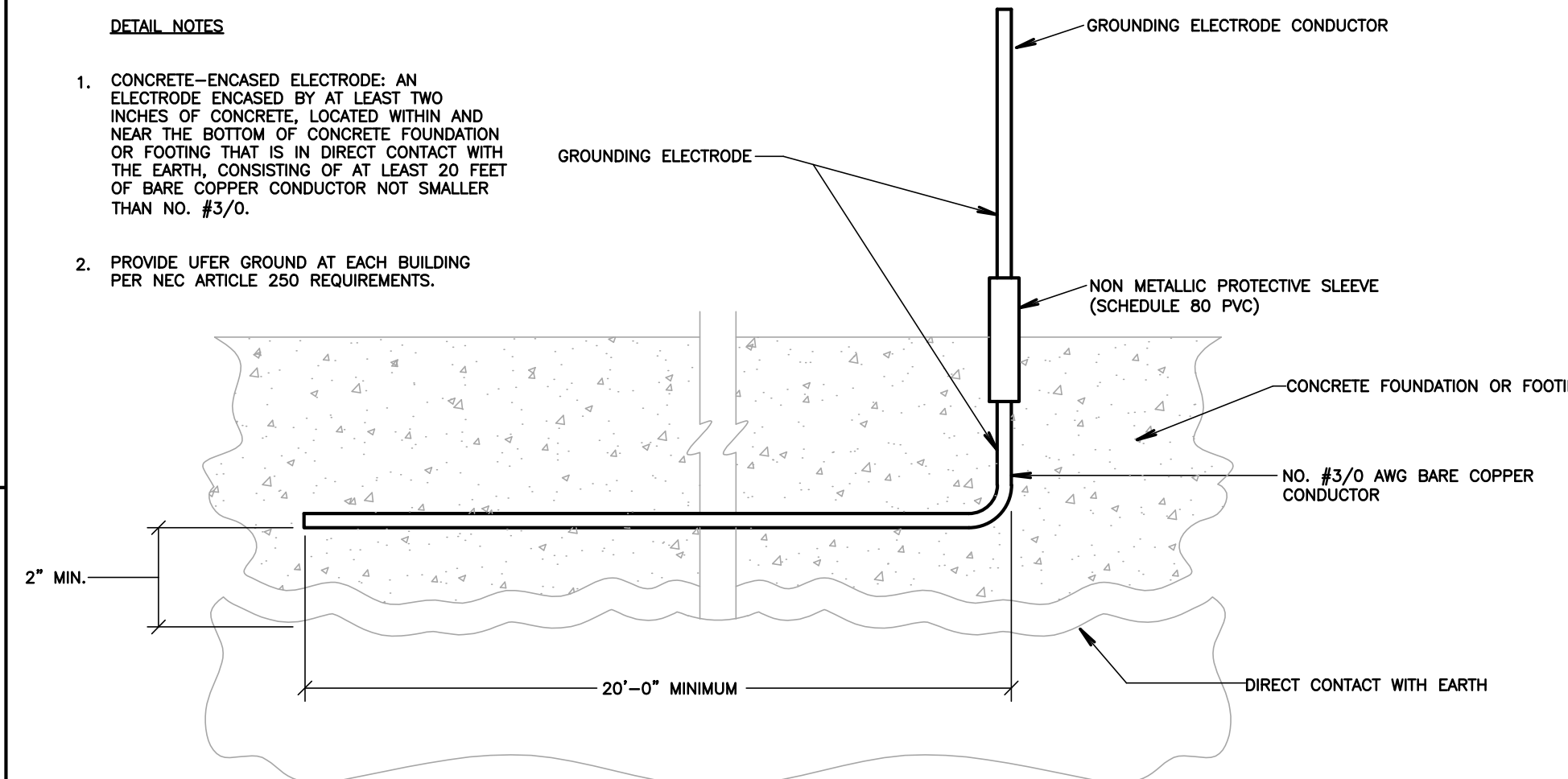
**1 COLD WATER GROUND DETAIL**  
NOT TO SCALE



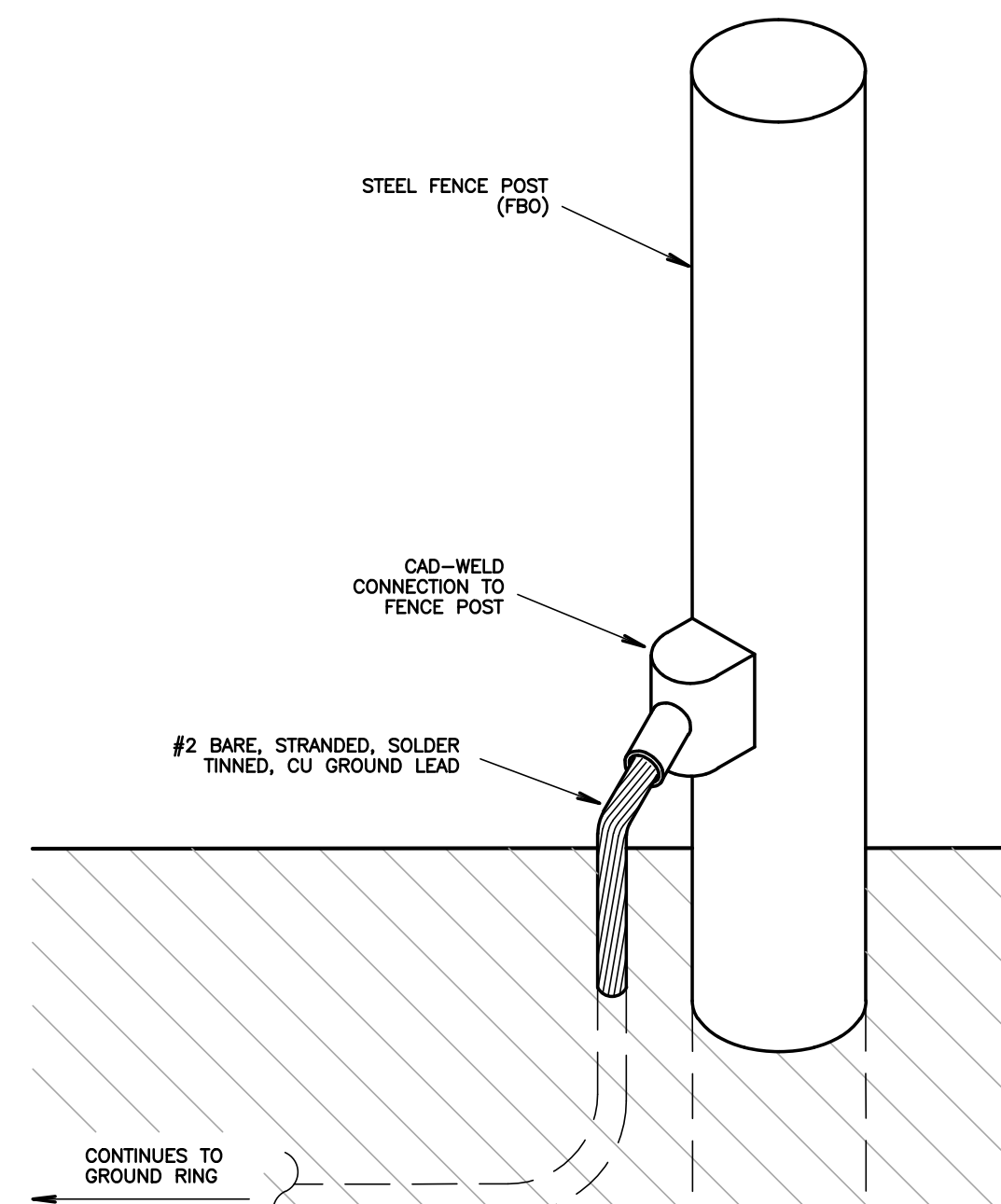
**2 GROUND ROD DETAIL**  
SCALE: NOT TO SCALE

**DETAIL NOTES**

- CONCRETE-ENCASED ELECTRODE, AN ELECTRODE ENCASED BY AT LEAST TWO INCHES OF CONCRETE, LOCATED WITHIN AND NEAR THE BOTTOM OF CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20 FEET OF BARE COPPER CONDUCTOR NOT SMALLER THAN NO. #3/0.
- PROVIDE UFER GROUND AT EACH BUILDING PER NEC ARTICLE 250 REQUIREMENTS.



**3 UFER GROUND DETAIL**  
NOT TO SCALE



**4 FENCE POST GROUNDING DETAIL**  
NOT TO SCALE

**AGENCY APPROVAL:**



HARTMANNARCHITECTURESTUDIO.COM  
430 S. CARRILLO RD.  
OJAI, CALIFORNIA 93023  
(805) 798-2253

**CONSULTANTS:**

**FERRANTI ENGINEERING**  
CONSULTING  
ELECTRICAL ENGINEERS  
1211 MARICOPA HWY,  
SUITE 250  
OJAI, CA 93023  
(805) 705-4772  
DALEFERRANTI@LIVE.COM

**SEALS:**



**PROJECT:**  
NEW ELECTRICAL SERVICE  
& SITE IMPROVEMENTS

**OWNER:**  
OJAI UNIFIED SCHOOL DISTRICT  
414 EAST OJAI AVENUE  
OJAI, CA 93023  
(805) 640-4300  
CONTACT: ADAM DUTTER  
EMAIL: adutter@ojaiusd.org

**PROJECT ADDRESS:**  
TOPA TOPA ELEMENTARY SCHOOL  
916 MOUNTAIN VIEW AVENUE  
OJAI, CA 93023

ISSUE:		
MARK	DATE	DESCRIPTION

**PROJECT INFORMATION:**  
PROJECT NUMBER: 2020.011  
PROJECT PHASE: 04COND0C  
DRAWN BY: D.F.  
REVIEWED BY: D.F.  
THE ORIGINAL SIZE OF THIS SHEET IS 36"X24". IF THE CURRENT SIZE IS OTHER THAN 36"X24", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

**ELECTRICAL  
DETAILS**

**SHEET NUMBER:**

**E500**

**DATE:**  
03/31/2021

COPYRIGHT © 2018 HARTMANN ARCHITECTURE STUDIO. ALL RIGHTS RESERVED. THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF HARTMANN ARCHITECTURE STUDIO AND SHALL NOT BE REPRODUCED IN ANY FORM OR BY ANY MEANS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT.