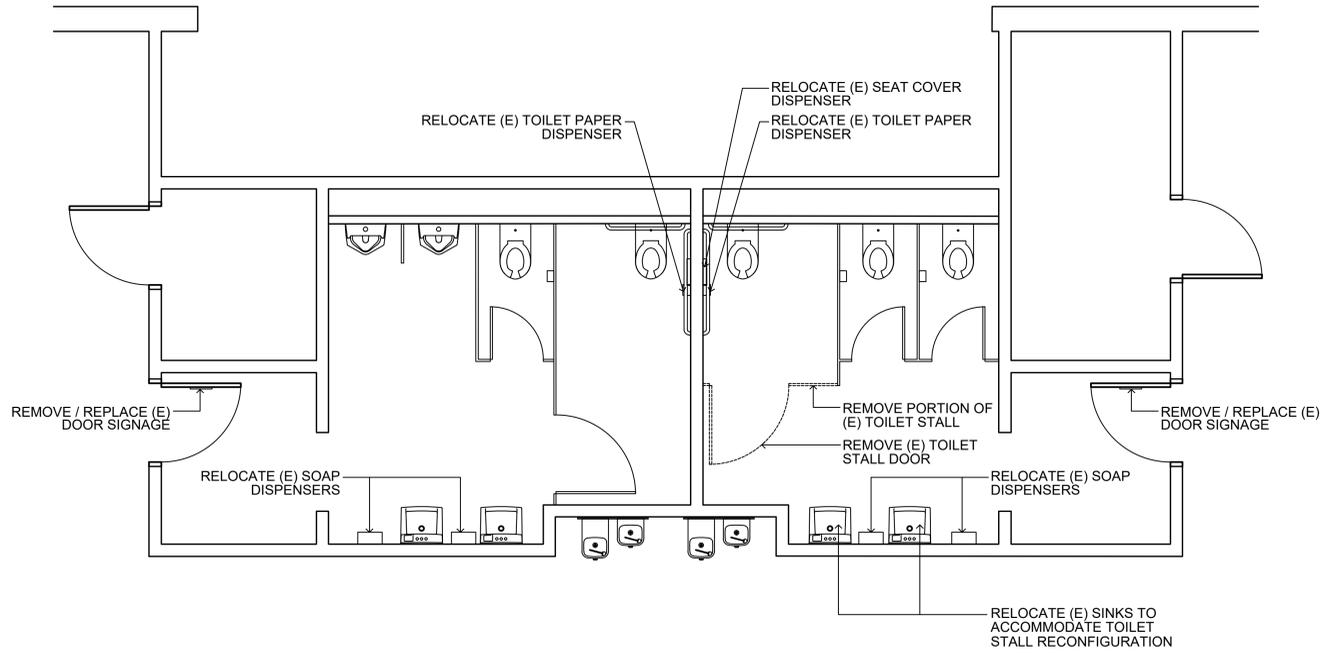
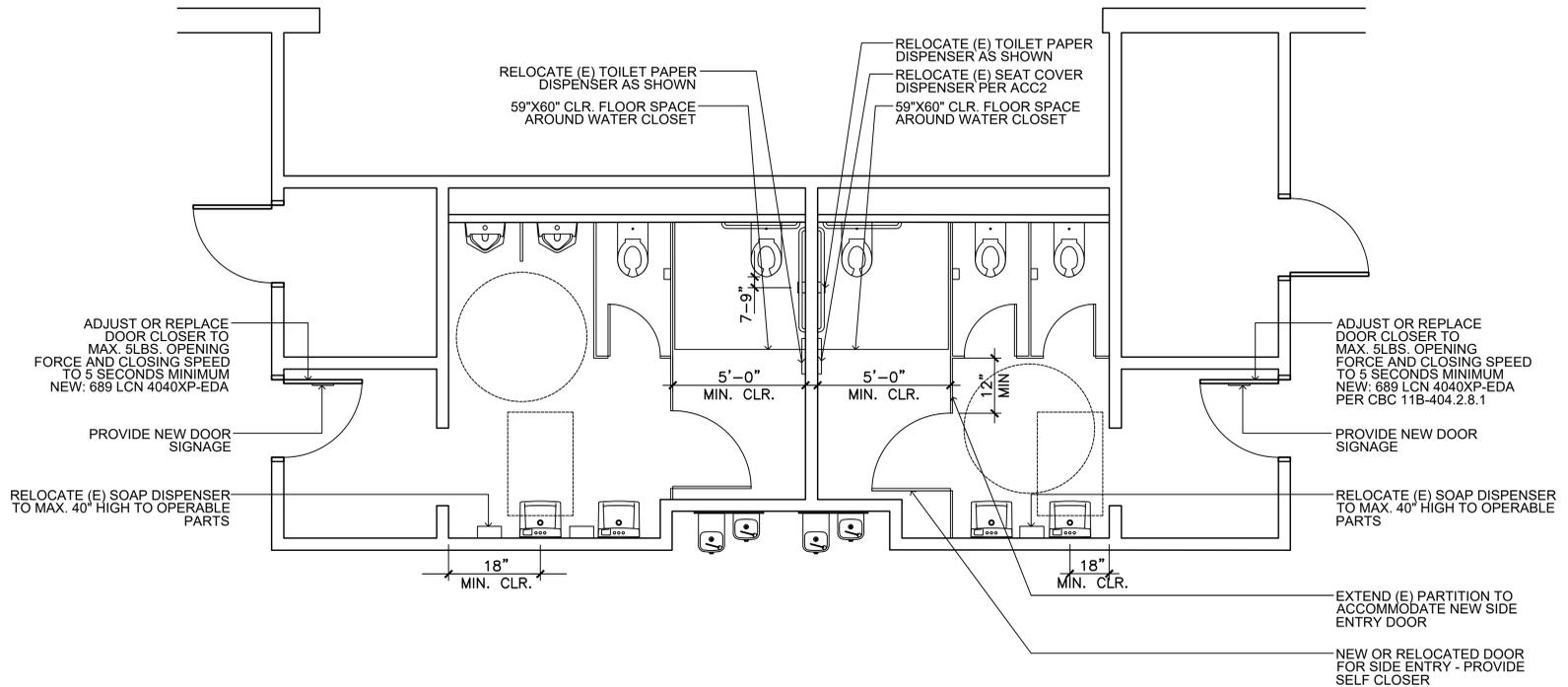


ID	ELEMENT	BARRIER	2019 CBC	UPGRADE REQUIREMENT
1	RESTROOM GEOMETRIC SIGNAGE LACKS CONTRAST	THE BLUE SIGNAGE ON A GREEN DOOR DOES NOT PROVIDE THE REQUIRED LIGHT-TO-DARK CONTRAST	11B-703.7.2.6.1	REPLACE RESTROOM DOOR SIGNAGE WITH CONTRASTING COLOR TO ACHIEVE THE REQUIRED LIGHT-TO-DARK CONTRAST
2	RESTROOM ENTRY DOOR FORCE TO OPERATE	THE 7 LBS. OF FORCE ARE NEEDED TO OPEN THE DOOR EXCEEDS THE MAXIMUM REQUIREMENT OF 5 LBS. OF FORCE REQUIRED TO OPEN THE DOOR	11B-404.2.9	ADJUST THE EXISTING DOOR CLOSER AS NECESSARY TO ENSURE THAT NO MORE THAN 5 LBS. OF FORCE IS NEEDED TO OPEN THE DOOR OR REPLACE WITH NEW CLOSER
3	RESTROOM ENTRY DOOR CLOSING SPEED	THE RESTROOM DOOR CLOSING SPEED IS 2.2 SECONDS FROM A POSITION OF 90 DEGREES TO A POINT 12 INCHES FROM THE LATCH	11B-404.2.8.1 11B-404.2.8.2	ADJUST THE EXISTING DOOR CLOSER TO ENSURE THAT THE DOOR CLOSING SPEED IS NO FASTER THAN 5 SECONDS, OR REPLACE WITH NEW CLOSER
4	SOAP DISPENSER HEIGHT	THE 2 SOAP DISPENSERS ARE MOUNTED TOO HIGH, AT 48-1/2 INCHES ABOVE FINISH FLOOR	11B-603.5	RELOCATE AT LEAST ONE SOAP DISPENSER IN WHICH THE HIGHEST OPERABLE PART IS MAXIMUM 40" ABOVE FINISH FLOOR
5	TOILET PAPER DISPENSER LOCATION	THE TOILET PAPER DISPENSER IS CENTERED 12 INCHES BEYOND THE FRONT EDGE OF THE TOILET FIXTURE	11B-604.7	RELOCATE THE TOILET PAPER DISPENSER SO THAT IT IS CENTERED 7-9 INCHES FROM THE FRONT EDGE OF THE TOILET FIXTURE
6	RESTROOM GEOMETRIC SIGNAGE LACKS CONTRAST	THE BLUE SIGNAGE ON A GREEN DOOR DOES NOT PROVIDE THE REQUIRED LIGHT-TO-DARK CONTRAST	11B-703.2.6.1	REPLACE RESTROOM DOOR SIGNAGE WITH CONTRASTING COLOR TO ACHIEVE THE REQUIRED LIGHT-TO-DARK CONTRAST
7	RESTROOM ENTRY DOOR FORCE TO OPERATE	THE 7 LBS. OF FORCE ARE NEEDED TO OPEN THE DOOR EXCEEDS THE MAXIMUM REQUIREMENT OF 5 LBS. OF FORCE REQUIRED TO OPEN THE DOOR	11B-404.2.9	ADJUST THE EXISTING DOOR CLOSER AS NECESSARY TO ENSURE THAT NO MORE THAN 5 LBS. OF FORCE IS NEEDED TO OPEN THE DOOR OR REPLACE WITH NEW CLOSER
8	RESTROOM ENTRY DOOR CLOSING SPEED	THE RESTROOM DOOR CLOSING SPEED IS 2.2 SECONDS FROM A POSITION OF 90 DEGREES TO A POINT 12 INCHES FROM THE LATCH	11B-404.2.8.1 11B-404.2.8.2	ADJUST THE EXISTING DOOR CLOSER TO ENSURE THAT THE DOOR CLOSING SPEED IS NO FASTER THAN 5 SECONDS, OR REPLACE WITH NEW CLOSER
9	SOAP DISPENSER HEIGHT	THE 2 SOAP DISPENSERS ARE MOUNTED TOO HIGH, AT 48-1/2 INCHES ABOVE FINISH FLOOR	11B-603.5	RELOCATE AT LEAST ONE SOAP DISPENSER IN WHICH THE HIGHEST OPERABLE PART IS MAXIMUM 40" ABOVE FINISH FLOOR
10	TOILET PAPER DISPENSER LOCATION	THE TOILET PAPER DISPENSER IS CENTERED 12 INCHES BEYOND THE FRONT EDGE OF THE TOILET FIXTURE	11B-604.7	RELOCATE THE TOILET PAPER DISPENSER SO THAT IT IS CENTERED 7-9 INCHES FROM THE FRONT EDGE OF THE TOILET FIXTURE
11	SEAT COVER DISPENSER LOCATION	THE SEAT COVER DISPENSER IS MOUNTED OVER THE SIDE GRAB BAR LEAVING ONLY 6-1/2" CLEARANCE BETWEEN THE TWO	11B-603.5 - 609.3	RELOCATE THE SEAT COVER DISPENSER MIN. 12 INCHES ABOVE THE GRAB BAR
12	SEAT COVER DISPENSER HEIGHT	THE SEAT COVER DISPENSER OUTLET IS 51" ABOVE FINISH FLOOR	11B-603.5 - 609.3	RELOCATE THE SEAT COVER DISPENSER SO THAT THE OPERABLE PART IS MAXIMUM 40" ABOVE FINISH FLOOR
13	TOILET STALL ENTRY DOOR LANDING DEPTH	THE ENTRY DOOR LANDING DEPTH IS 47-1/2" DEEP	11B-404.2.4.1	CONVERT THE ACCESSIBLE STALL TO A SIDE-ENTRY PER DRAWINGS
14	TOILET STALL ENTRY DOOR ALIGNMENT TO TOILET	THE ENTRY DOOR IS NOT DIAGONALLY ALIGNED TO THE TOILET - DOOR IS TOO FAR (18") FROM THE SIDEWALL FURTHEST FROM THE TOILET	11B-604.8.1.2	CONVERT THE ACCESSIBLE STALL TO A SIDE-ENTRY PER DRAWINGS



1 EXISTING RESTROOM PLAN

1/4" = 1'-0"



2 NEW RESTROOM PLAN

1/4" = 1'-0"

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-118588 INC.  
REVIEWED FOR:  
SS  FLS  ACS   
DATE: 01/20/2021



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6288 Butterfield Way  
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(916) 933-7633  
(916) 933-7850 fax



SHEET TITLE

RESTROOM ACCESSIBILITY UPGRADE PLANS

PROJECT NAME

MESA VERDE  
HIGH SCHOOL  
ATHLETIC FACILITY  
IMPROVEMENTS

PROJECT ADDRESS

7501 CARRIAGE DRIVE  
CITRUS HEIGHTS, CA  
95621

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
DSA BACKCHECK	01/20/2021

NO.	REVISIONS	DATE

DRAWN BY	CHECKED BY
JK	CS/MB

DATE ISSUED	SCALE
10/15/2020	NOTED

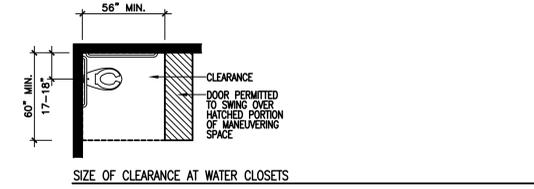
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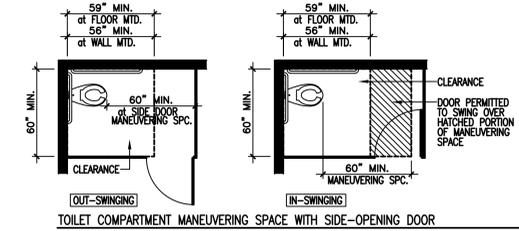
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RESTROOM ACCESSIBILITY UPGRADE PLANS

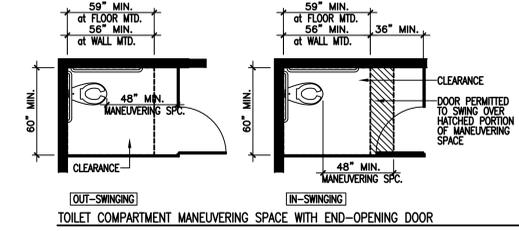
DRAWING NAME: G:\VIA Project Files\2020\01 - VERDE ACCESSIBILITY\03 - Construction Documents\Architectural\Mass Verde\Architectural\A1.dwg  
PLOT DATE: 01-11-21 PLOTTED BY: JK Architect



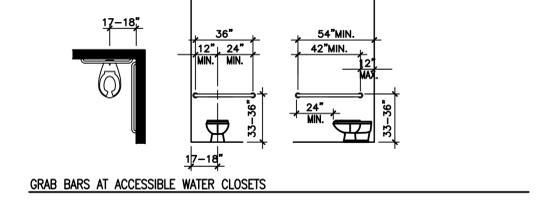
SIZE OF CLEARANCE AT WATER CLOSETS



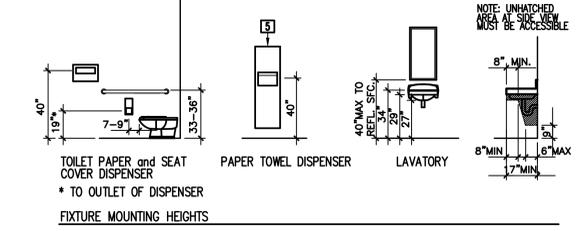
TOILET COMPARTMENT MANEUVERING SPACE WITH SIDE-OPENING DOOR



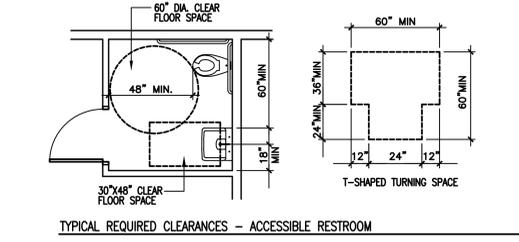
TOILET COMPARTMENT MANEUVERING SPACE WITH END-OPENING DOOR



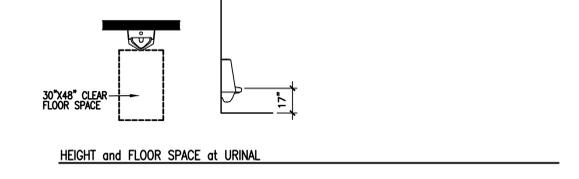
GRAB BARS AT ACCESSIBLE WATER CLOSETS



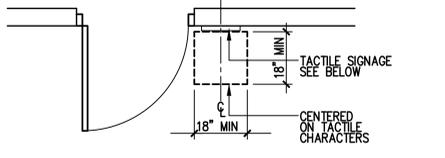
FIXTURE MOUNTING HEIGHTS



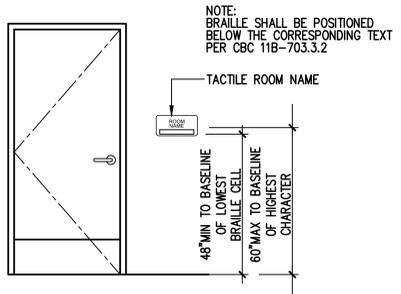
TYPICAL REQUIRED CLEARANCES - ACCESSIBLE RESTROOM



HEIGHT and FLOOR SPACE at URINAL

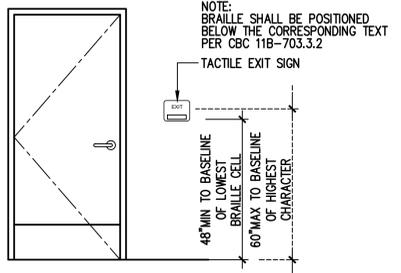


TACTILE SIGNAGE  
SEE BELOW  
CENTERED ON TACTILE CHARACTERS

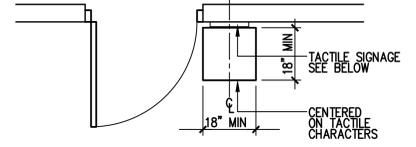


NOTE: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT PER CBC 11B-703.3.2  
TACTILE ROOM NAME

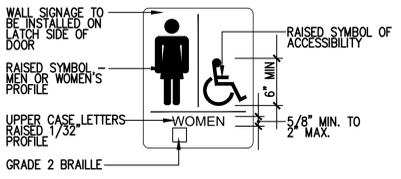
OVERHEAD EXIT SIGNAGE



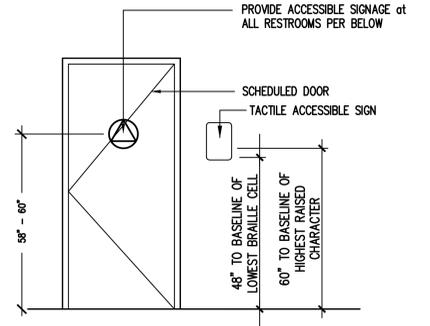
NOTE: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT PER CBC 11B-703.3.2  
TACTILE EXIT SIGN



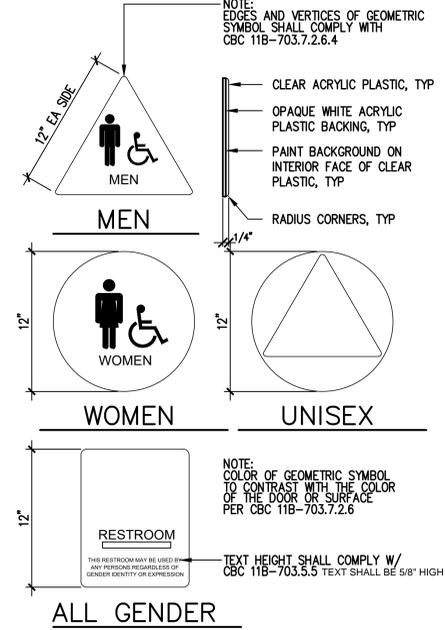
TACTILE SIGNAGE  
SEE BELOW  
CENTERED ON TACTILE CHARACTERS



WALL SIGNAGE TO BE INSTALLED ON PATCH SIDE OF DOOR  
 RAISED SYMBOL OF ACCESSIBILITY  
 RAISED SYMBOL OF MEN OR WOMEN'S PROFILE  
 UPPER CASE LETTERS RAISED 1/32  
 GRADE 2 BRAILLE  
 5/8\"/>



PROVIDE ACCESSIBLE SIGNAGE at ALL RESTROOMS PER BELOW  
 SCHEDULED DOOR  
 TACTILE ACCESSIBLE SIGN  
 48\"/>



NOTE: EDGES AND VERTICES OF GEOMETRIC SYMBOL SHALL COMPLY WITH CBC 11B-703.7.2.6.4  
 CLEAR ACRYLIC PLASTIC, TYP  
 OPAQUE WHITE ACRYLIC PLASTIC BACKING, TYP  
 PAINT BACKGROUND ON INTERIOR FACE OF CLEAR PLASTIC, TYP  
 RADIUS CORNERS, TYP  
 1/4\"/>

NOTE: COLOR OF GEOMETRIC SYMBOL TO CONTRAST WITH THE COLOR OF THE DOOR OR SURFACE PER CBC 11B-703.7.2.6  
 TEXT HEIGHT SHALL COMPLY W/ CBC 11B-703.5.5 TEXT SHALL BE 5/8\"/>

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## GENERAL NOTES:

1. READ THE COMPLETE SPECIFICATIONS, CONTRACT DOCUMENTS AND COMPLY WITH EACH REQUIREMENTS.
2. THE COMPLETE ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE N.E.C., AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
3. THE CONTRACTOR SHALL BE LICENSED BY THE STATE OF CALIFORNIA C-10 AND SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
5. PRIOR TO SUBMITTING A BID THE CONTRACTOR SHALL VISIT THE SITE, REVIEW THE EXISTING CONDITIONS AND ALLOW FOR LABOR, MATERIAL AND COORDINATION THAT IS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF EACH SYSTEM. THE CONTRACTOR SHALL OBTAIN AND BE FAMILIAR WITH ALL OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
7. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS. "AS-BUILT" DRAWINGS SHALL SHOW ACTUAL CHANGES TO ORIGINAL ELECTRICAL DRAWINGS, SHOWN LOCATIONS OF PULLBOXES, CONDUIT RUNS AND WIRING CHANGES.
8. ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE U.L. OR CSA LISTED AND SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
9. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICES ALERT FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF UNDERGROUND WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.
11. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHINGS, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS. ALL EXTERIOR CONDUITS SHALL BE "RSG" UNLESS OTHERWISE NOTED ON DRAWINGS.
12. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM, TWO (2) #12'S WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR "ROUGH" ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
13. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
14. ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING HAS BEEN SELECTED BASED ON DIMENSIONS TO FIT THE SPACE, THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS PRIOR TO ORDERING OF THE EQUIPMENT.
15. CONTRACTOR SHALL REVIEW EQUIPMENT REQUIREMENTS OF OTHER TRADES AND PROVIDE POWER CIRCUITS AND CONNECTIONS TO ELECTRICALLY OPERATED EQUIPMENT.
16. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UNDERGROUND POWER AND TELEPHONE SERVICES FROM SERVING UTILITIES. FIELD ADJUSTMENTS MAY BE REQUIRED IN INDIVIDUAL SERVICE LOCATIONS.
17. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICES ALERT FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF UNDERGROUND WORK.
18. NEW DUCT ROUTES ARE APPROXIMATE ONLY AND MAY BE ADJUSTED IN THE FIELD TO CLEAR OTHER UNDERGROUND UTILITIES. PROVIDE AS-BUILT DRAWINGS TO INDICATE ACTUAL LOCATION OF CONDUIT ROUTING.
19. EFFECTIVELY BOND ELECTRICAL CABINETS, ENCLOSURES AND CONDUIT RACENAYS TO CODE APPROVED GROUND AS PART OF THE CONTINUOUS GROUNDING SYSTEM.
20. FROM ALL NEW PANELS, THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
21. UTILITY SERVICE WORK SHALL BE IN ACCORDANCE WITH THE SERVING UTILITY COMPANY'S RULES, REGULATIONS AND STANDARDS, AND SHALL BE VERIFIED WITH UTILITY COMPANY'S ENGINEERING DRAWINGS AND FIELD SUPERVISOR. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UNDERGROUND POWER, CATV AND TELEPHONE SERVICES FROM SERVING UTILITIES. FIELD ADJUSTMENTS MAY BE REQUIRED IN INDIVIDUAL SERVICE LOCATIONS. THE CONTRACTOR SHALL REMAIN IN CONTACT WITH UTILITY COMPANY ENGINEERING DEPARTMENTS THROUGHOUT PROJECT TO INSURE COORDINATION AND SCHEDULING OF WORK.
22. THE CONTRACTOR SHALL PROVIDE IN EVERY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION. STRINGS SHALL BE NYLON PULLSTRING ROPE/STRINGS.
23. POWER FEEDERS MAY NOT BE SHOWN ON THE DRAWINGS, REFER TO THE SINGLE LINE DIAGRAM FOR CONDUIT AND FEEDER INFORMATION. ALL DRAWINGS ARE DIAGRAMMATIC INDICATING LOCATION OR POSITION OF EQUIPMENT. FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY WORK.
24. MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR SIZING, CIRCUIT BREAKER OR FUSE PROTECTION OF ELECTRICALLY OPERATED EQUIPMENT MAY DIFFER FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR SHALL CONFIRM RATINGS PRIOR TO ORDERING EQUIPMENT. PROVIDE ELECTRICAL PROTECTION TO EQUIPMENT IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS AND PER NATIONAL ELECTRICAL CODE REQUIREMENTS.
25. PROVIDE SEISMIC BRACING FOR ALL PENDANT LIGHT FIXTURES, FREESTANDING ELECTRICAL DISTRIBUTION EQUIPMENT, MOTOR CONTROL CENTERS ETC, AND CONDUIT RACKS PER SEISMIC CRITERIA 2019 CBC REQUIREMENTS INCLUDING ENGINEERED LOAD CALCULATIONS COMPLETE WITH SNAY BRACING CRITERIA.
26. DO NOT SUBSTITUTE SPECIFIED MATERIAL OR EQUIPMENT WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER OR HIS REPRESENTATIVE.
27. ALL SPACES ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARES AND BUSSING FOR FUTURE BREAKER OR SWITCH.
28. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2014 NATIONAL ELECTRICAL CODE AS AMENDED BY THE 2019 CALIFORNIA ELECTRICAL CODE.

## SYMBOL LIST:

	PLAN, DETAIL OR SECTION DESIGNATION.
	ROOM NUMBER.
	SHEET REFERENCE SYMBOL - SEE ASSOCIATED NOTE ON SAME SHEET.
	FEEDER SCHEDULE SYMBOL.
	MECHANICAL EQUIPMENT TAG.
	INDICATES FIXTURE TYPE

### WIRING & CONDUIT RUN SYMBOLS

	CONDUIT - CONCEALED IN WALLS OR CEILING.
	CONDUIT - EXPOSED.
	CONDUIT - IN OR BELOW FLOOR. 3/4" MIN.
	CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES. CROSSHATCH WITH SUBSCRIPT '6' INDICATES GREEN GROUND WIRE. SIZE CONDUIT ACCORDS TO SPECIFICATIONS AND APPLICABLE CODE. CROSSHATCHES WITH "R10" INDICATES WIRE SIZE OTHER THAN #12'S.
	FLEX CONDUIT WITH CONNECTION.
	CONDUIT - STUB UP.
	CONDUIT - STUB DOWN.
	CONDUIT EMERGENCY SYSTEM.
	CAPPED CONDUIT.
	CONDUIT CONTINUATION.

### POWER DISTRIBUTION SINGLE LINE SYMBOLS

	CIRCUIT BREAKER.
	"MID" METER IV/ CURRENT TRANSFORMER.
	TRANSFORMER.

### LUMINAIRE SYMBOLS

	LUMINAIRE - SEE SCHEDULE.
	LUMINAIRE - SEE SCHEDULE.
	LUMINAIRE - SEE SCHEDULE.
	POLE MOUNTED LUMINAIRE - SEE SCHEDULE.
	POLE MOUNTED LUMINAIRE - SEE SCHEDULE.
	LUMINAIRE - SEE SCHEDULE.
	LUMINAIRE WALL MOUNTED-SEE SCHEDULE.
	EMERGENCY LUMINAIRE - PROVIDE EMERGENCY BATTERY BALLAST
	EMERGENCY LUMINAIRE - PROVIDE EMERGENCY BATTERY BALLAST
	EMERGENCY LUMINAIRE - PROVIDE EMERGENCY BATTERY BALLAST
	EMERGENCY LUMINAIRE WALL MOUNTED- PROVIDE EM. BATTERY BALLAST
	EXIT LIGHT SINGLE FACE - SEE SCHEDULE.
	EXIT LIGHT SINGLE FACE (WITH ARROW)- SEE SCHEDULE.
	EXIT LIGHT (DOUBLE FACED WITH ARROW)- SEE SCHEDULE.
	EMERGENCY BATTERY PACK EXIT LIGHT INSTALL AS DIRECTED.

### TYPICAL LUMINAIRE NOMENCLATURE

	INDICATES SWITCHING DESIGNATION
	INDICATES CIRCUIT NUMBER

### SWITCH SYMBOLS

	SINGLE POLE SWITCH, + 48" AFF MAX TO TOP OF BOX UON.
	SINGLE POLE SWITCH, + 48" AFF MAX TO TOP OF BOX UON, a = CIRCUIT CONTROLLED.
	THREE WAY SWITCH + 48" AFF MAX TO TOP OF BOX UON.
	FOUR WAY SWITCH + 48" AFF MAX TO TOP OF BOX UON.
	MOTOR RATED SWITCH
	OCCUPANCY SENSOR

### RECEPTACLE SYMBOLS

	CONVENIENCE RECEPTACLE - DUPLX AT + 18" AFF UON.
	GFCI CONVENIENCE RECEPTACLE - DUPLX.
	RECEPTACLE DOUBLE DUPLX AT + 18" AFF UON.
	SINGLE RECEPTACLE - NEMA 5-20R UON, AT + 18" AFF UON.
	SINGLE RECEPTACLE - NEMA L21 - 208 VOLT, THREE PHASE, 5 WIRE, AT + 18" AFF UON.
	FLOOR BOX WITH CONVENIENCE RECEPTACLE, TELEPHONE AND DATA OUTLET.
	FLUSH FLOOR BOX WITH SINGLE CONVENIENCE RECEPTACLE.
	WIRE RACEWAY, INSTALL AT + 36" AFF UON.

### POWER DISTRIBUTION SYMBOLS

	PANELBOARD - SURFACE OR FLUSH MOUNTED.
	LIGHTING CONTROL CABINET.
	EMERGENCY POWER INVERTER.
	JUNCTION BOX - CEILING OR WALL MOUNTED. SIZE TO CODE, TAPE AND TAG WIRES. PROVIDE FLEX AND/OR RECEPTACLE AS REQUIRED TO CONNECT EQUIPMENT.
	DISTRIBUTION PANEL.
	MOTOR.
	COMBINATION MAGNETIC STARTER FUSED DISCONNECT SWITCH. RATINGS AS INDICATED.
	INFUSED DISCONNECT SWITCH - RATINGS AS INDICATED.
	FUSED DISCONNECT SWITCH - SIZE FUSES PER MOTOR MANUFACTURER'S RECOMMENDATIONS, RATINGS AS INDICATED.
	MAGNETIC STARTER - NEMA SIZE INDICATED.
	TRANSFORMER - SEE SINGLE LINE FOR SIZE.
	GROUND ROD.

## GENERAL ANCHORAGE NOTES:

MEP COMPONENT ANCHORAGE NOTE. REVISED, FEBRUARY 14, 2020

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2014 CBC, SECTIONS 161A.1.18 THROUGH 161A.1.28 AND ASCE 7-16 CHAPTER 15.28 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXPECT PLUGS FOR 110/220 VOLT RECEPTACLES HAVE A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

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

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 3 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HANG FROM A MALL.

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

### PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTIONS 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2014 CBC, SECTION 161A.1.24, 161A.1.25 AND 161A.1.26.

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

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

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

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

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

## ABBREVIATIONS:

A	AMPERE	KAC	KILOAMPERE INTERRUPTING CAPACITY
ABV	ABOVE	KV	KILOVOLT
AF	AMP FRAME OR AMP FUSE	KVA	KILOVOLT AMPERES
AFB	ABOVE FINISHED FLOOR	KW	KILOWATT
ARCH	ARCHITECTURAL	LTS	LIGHTING
AS	AMP SWITCH	MCM	THOUSAND CIRCULAR MILS
AT	AMP TRIP	MDF	MAIN DISTRIBUTION FRAME
ATS	AUTOMATIC TRANSFER SWITCH	MCH	MECHANICAL
BKR	BREAKER	MH	MANHOLE
BLDG	BUILDING	MTD	MOUNTED
CONDUIT	CONDUIT	MTS	MOUNTING
CATV	CABLE TELEVISION	(N)	NEW
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSED
CANSLAS	CANSLAS	NC	NOT IN CONTRACT
CKT	CIRCUIT	NEC	NOT IN ELECTRICAL CONTRACT
CL	CENTER LINE	NO	NUMBER/ NORMALLY OPEN
CLG	CELLING	NTS	NOT TO SCALE
CO	CONDUIT ONLY	O.C.	ON CENTER
CTR	CENTER	P	POLE CIRCUIT BREAKER
(D)	DEMOLISH	PA	PUBLIC ADDRESS
DET	DETAIL	PB	PULL BOX
DN	DIMENSION	PF	POWER FACTOR
DISTR	DISTRIBUTION	PH	PHASE
DWS	DRAWING	PNL	PANEL
EM	EMERGENCY	(R)	EXISTING TO BE RELOCATED
(E)	EXISTING	REGD	REQUIRED
DISTR	DISTRIBUTION	REGT	REQUIRED (S)
EQPT	EQUIPMENT	RM	ROOM
FA	FIRE ALARM	RSG	RISID STEEL CONDUIT
FACP	FIRE ALARM CONTROL PANEL	SHT	SHEET
(F)	FUTURE	SW	SWITCH
FIN	FINISH	SWD	SWITCHBOARD
FL	FLOOR	TC	TERMINAL CABINET
G	GROUND	TEL	TELEPHONE
HST	HEIGHT	(T)	TYPICAL
HP	HORSEPOWER	UON	UNLESS OTHERWISE NOTED
IDF	INTERCOM	V	VOLT
IG	INTERMEDIATE DISTRIBUTION FRAME	WP	WEATHERPROOF
JB	JUNCTION BOX	XFMR	TRANSFORMER

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDERGROUND SYSTEMS IN AREA OF NEW TRENCHING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. EXTREME CARE SHALL BE MAINTAINED DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN AREA. MODIFICATIONS TO EXISTING SYSTEMS MAY BE REQUIRED TO ACCOMMODATE NEW SYSTEM CONFIGURATION AND SHALL BE MADE BY THE CONTRACTOR WITHOUT EXTRA EXPENSE TO THE OWNER. THE DRAWINGS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATIONS, DISTANCES AND ELEVATIONS WILL BE GOVERNED BY ACTUAL CONDITIONS. THE CONTRACTOR SHALL EXAMINE THE CONTRACT DOCUMENTS AND FIELD CONDITIONS TO DETERMINE EXACT ROUTING AND FINAL TERMINATIONS FOR ALL NEW WORK.

## ELECTRICAL DRAWING INDEX

SHEET NO.	SHEET TITLE
E0.1	ELECTRICAL GENERAL NOTES, SYMBOLS LIST, ABBREVIATIONS AND FIXTURE SCHEDULE
E1.0	ELECTRICAL SITE PLAN - DEMOLITION
E1.1	ELECTRICAL CAMPUS SITE PLAN
E1.2	ELECTRICAL SITE PLAN - STADIUM
E1.3	ELECTRICAL SITE PLAN - INFIELD ELECTRICAL SITE PLAN - STADIUM
E1.4	ELECTRICAL SITE PLAN - EGRESS LIGHTING
E3.1	ELECTRICAL SINGLE LINE DIAGRAM
E3.2	DATA RISER DIAGRAM
E4.1	ELECTRICAL DETAILS
E4.2	ELECTRICAL DETAILS
E4.3	ELECTRICAL DETAILS
E4.4	ELECTRICAL DETAILS

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SHEET TITLE  
**ELECTRICAL GENERAL NOTES, SYMBOLS LIST, ABBREVIATIONS AND FIXTURE SCHEDULE**

PROJECT NAME  
**MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE  
CITRUS HEIGHTS, CA  
95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
DSA BACKCHECK SUBMITTAL	01/20/2021

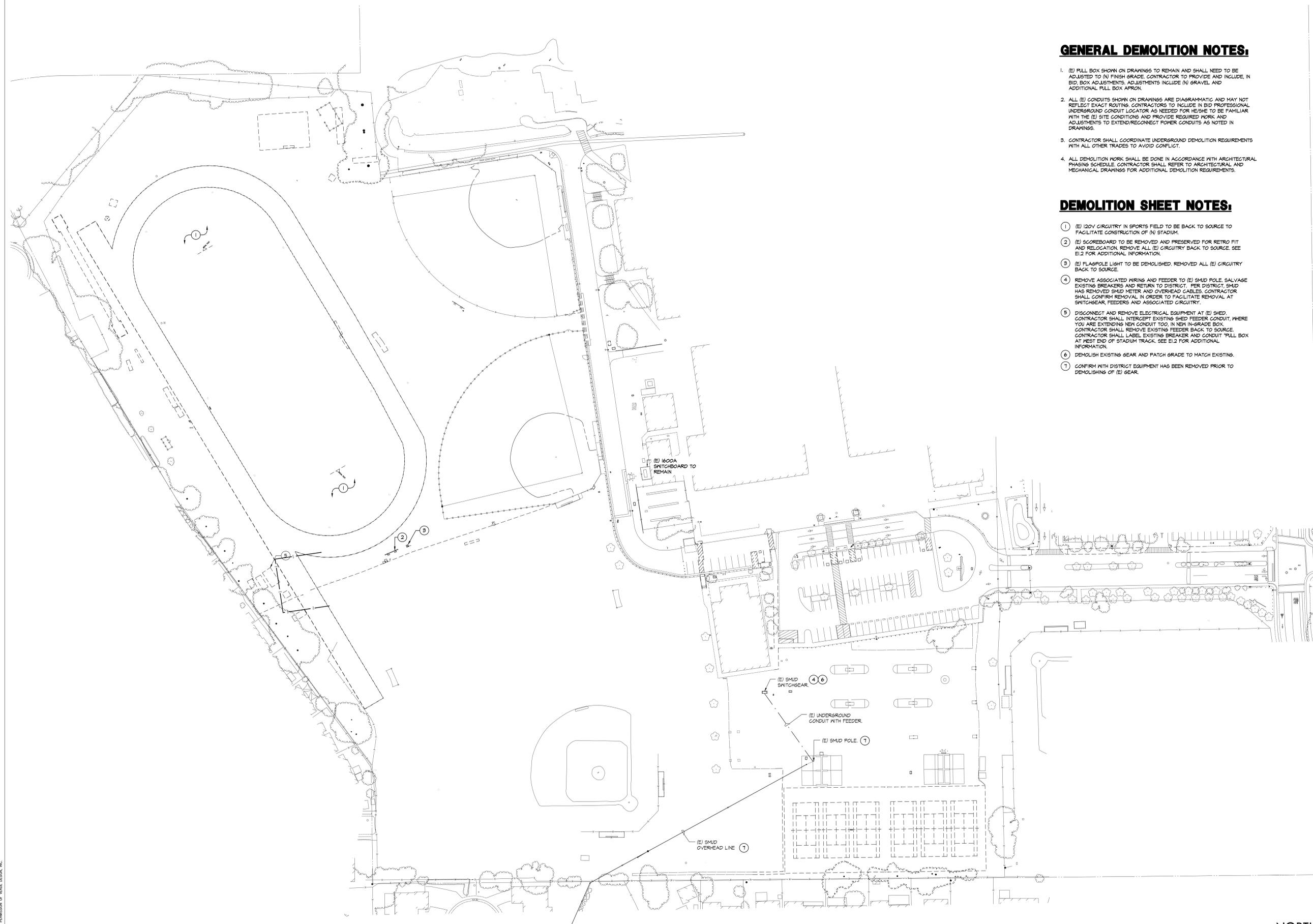
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PROJ. NO. <b>1819500</b>	

SHEET NO.  
**EO.1**

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**GENERAL DEMOLITION NOTES:**

- (E) FULL BOX SHOWN ON DRAWINGS TO REMAIN AND SHALL NEED TO BE ADJUSTED TO (N) FINISH GRADE. CONTRACTOR TO PROVIDE AND INCLUDE, IN BID, BOX ADJUSTMENTS, ADJUSTMENTS INCLUDE (N) GRAVEL AND ADDITIONAL FULL BOX ASPHALT.
- ALL (E) CONDUITS SHOWN ON DRAWINGS ARE DIAGRAMMATIC AND MAY NOT REFLECT EXACT ROUTING. CONTRACTORS TO INCLUDE IN BID PROFESSIONAL UNDERGROUND CONDUIT LOCATOR AS NEEDED FOR HE/SHE TO BE FAMILIAR WITH THE (E) SITE CONDITIONS AND PROVIDE REQUIRED WORK AND ADJUSTMENTS TO EXTEND/RECONNECT POWER CONDUITS AS NOTED IN DRAWINGS.
- CONTRACTOR SHALL COORDINATE UNDERGROUND DEMOLITION REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.
- ALL DEMOLITION WORK SHALL BE DONE IN ACCORDANCE WITH ARCHITECTURAL PHASING SCHEDULE. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

**DEMOLITION SHEET NOTES:**

- (E) 120V CIRCUITRY IN SPORTS FIELD TO BE BACK TO SOURCE TO FACILITATE CONSTRUCTION OF (N) STADIUM.
- (E) SCOREBOARD TO BE REMOVED AND PRESERVED FOR RETRO FIT AND RELOCATION. REMOVE ALL (E) CIRCUITRY BACK TO SOURCE. SEE E1.2 FOR ADDITIONAL INFORMATION.
- (E) FLAGPOLE LIGHT TO BE DEMOLISHED. REMOVE ALL (E) CIRCUITRY BACK TO SOURCE.
- REMOVE ASSOCIATED WIRING AND FEEDER TO (E) SMID POLE. SALVAGE EXISTING BREAKERS AND RETURN TO DISTRICT. PER DISTRICT, SMID HAS REMOVED SMID METER AND OVERHEAD CABLES. CONTRACTOR SHALL CONFIRM REMOVAL IN ORDER TO FACILITATE REMOVAL AT SWITCHGEAR, FEEDERS AND ASSOCIATED CIRCUITRY.
- DISCONNECT AND REMOVE ELECTRICAL EQUIPMENT AT (E) SHED. CONTRACTOR SHALL INTERCEPT EXISTING SHED FEEDER CONDUIT, WHERE YOU ARE EXTENDING NEW CONDUIT TOO, IN NEW IN-GRADE BOX. CONTRACTOR SHALL REMOVE EXISTING FEEDER BACK TO SOURCE. CONTRACTOR SHALL LABEL EXISTING BREAKER AND CONDUIT "FULL BOX AT WEST END OF STADIUM TRACK. SEE E1.2 FOR ADDITIONAL INFORMATION.
- DEMOLISH EXISTING GEAR AND PATCH GRADE TO MATCH EXISTING.
- CONFIRM WITH DISTRICT EQUIPMENT HAS BEEN REMOVED PRIOR TO DEMOLISHING OF (E) GEAR.

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SHEET TITLE  
**ELECTRICAL SITE PLAN -  
DEMOLITION**

PROJECT NAME  
**MESA VERDE  
HIGH SCHOOL  
ATHLETIC FACILITY  
IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE  
CITRUS HEIGHTS, CA  
95621**

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50% SUBMITTAL	08/13/2020
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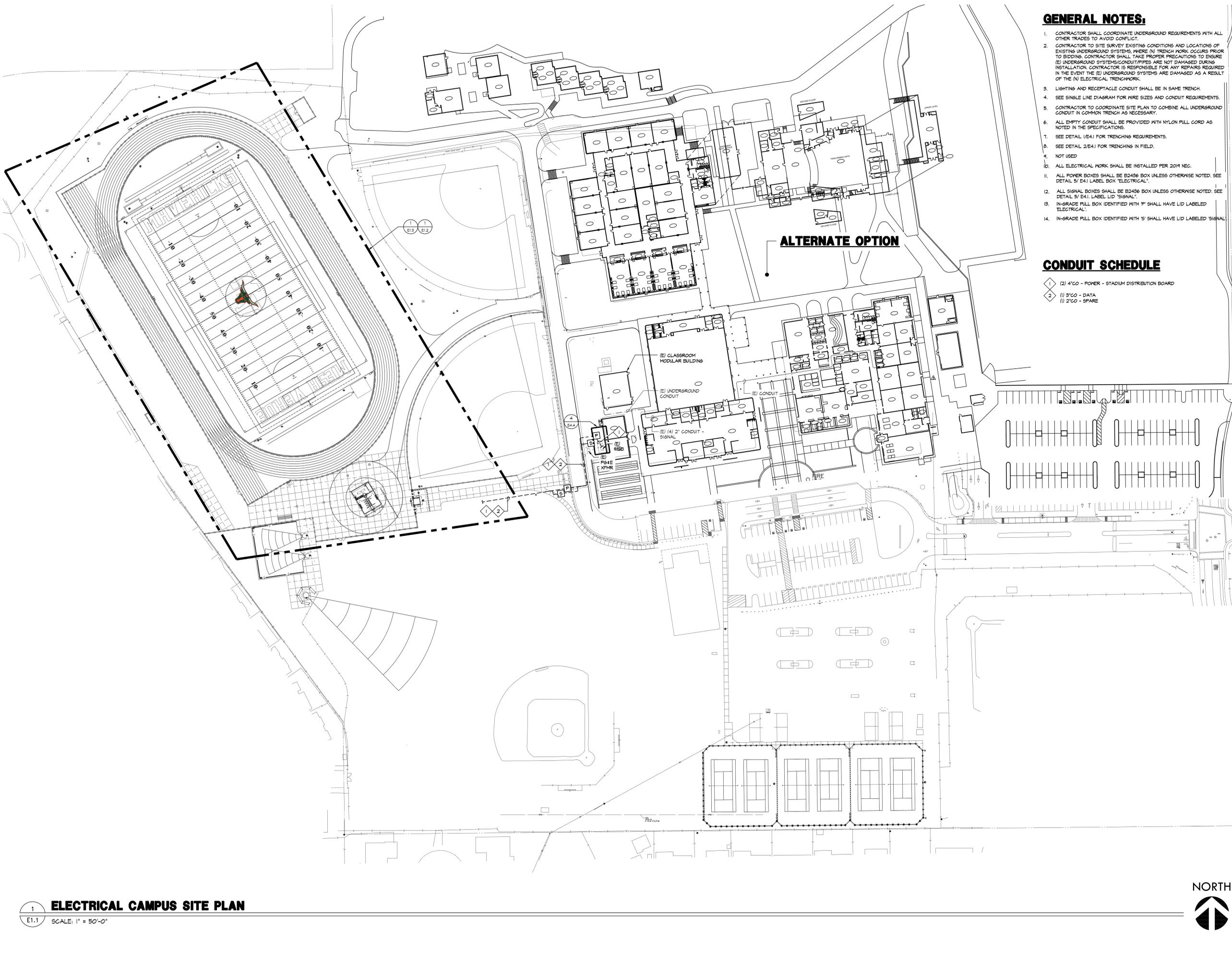
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PROJ. NO. 1819500	
SHEET NO. <b>E1.0</b>	

**1 ELECTRICAL SITE PLAN - DEMOLITION**  
E1.0 SCALE: 1" = 50'-0"



ALL DESIGN, ENGINEERING, ARCHITECTURAL, AND CONSTRUCTION DOCUMENTS ARE THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, DEVELOPED, AND DELIVERED FOR USE IN AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH DESIGN, ENGINEERING, ARCHITECTURAL, OR CONSTRUCTION DOCUMENTS SHALL BE USED, REPRODUCED, OR PUBLISHED IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSES WITHOUT THE WRITTEN PERMISSION OF VERDE DESIGN, INC.



**GENERAL NOTES:**

1. CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.
2. CONTRACTOR TO SITE SURVEY EXISTING CONDITIONS AND LOCATIONS OF EXISTING UNDERGROUND SYSTEMS, WHERE (N) TRENCH WORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUITS/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) ELECTRICAL TRENCHWORK.
3. LIGHTING AND RECEPTACLE CONDUIT SHALL BE IN SAME TRENCH.
4. SEE SINGLE LINE DIAGRAM FOR WIRE SIZES AND CONDUIT REQUIREMENTS.
5. CONTRACTOR TO COORDINATE SITE PLAN TO COMBINE ALL UNDERGROUND CONDUIT IN COMMON TRENCH AS NECESSARY.
6. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH NYLON PULL CORD AS NOTED IN THE SPECIFICATIONS.
7. SEE DETAIL 1/E41 FOR TRENCHING REQUIREMENTS.
8. SEE DETAIL 2/E41 FOR TRENCHING IN FIELD.
9. NOT USED
10. ALL ELECTRICAL WORK SHALL BE INSTALLED PER 2019 NEC.
11. ALL POWER BOXES SHALL BE B2496 BOX UNLESS OTHERWISE NOTED. SEE DETAIL S1/E41 LABEL BOX 'ELECTRICAL'.
12. ALL SIGNAL BOXES SHALL BE B2496 BOX UNLESS OTHERWISE NOTED. SEE DETAIL S1/E41 LABEL LID 'SIGNAL'.
13. IN-GRADE PULL BOX IDENTIFIED WITH 'F' SHALL HAVE LID LABELED 'ELECTRICAL'.
14. IN-GRADE PULL BOX IDENTIFIED WITH 'S' SHALL HAVE LID LABELED 'SIGNAL'.

**CONDUIT SCHEDULE**

- 1 (2) 4" CO - POWER - STADIUM DISTRIBUTION BOARD
- 2 (1) 3" CO - DATA
- (1) 2" CO - SPARE

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SHEET TITLE  
**ELECTRICAL  
 CAMPUS SITE PLAN**

PROJECT NAME  
**MESA VERDE  
 HIGH SCHOOL  
 ATHLETIC FACILITY  
 IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE  
 CITRUS HEIGHTS, CA  
 95621**

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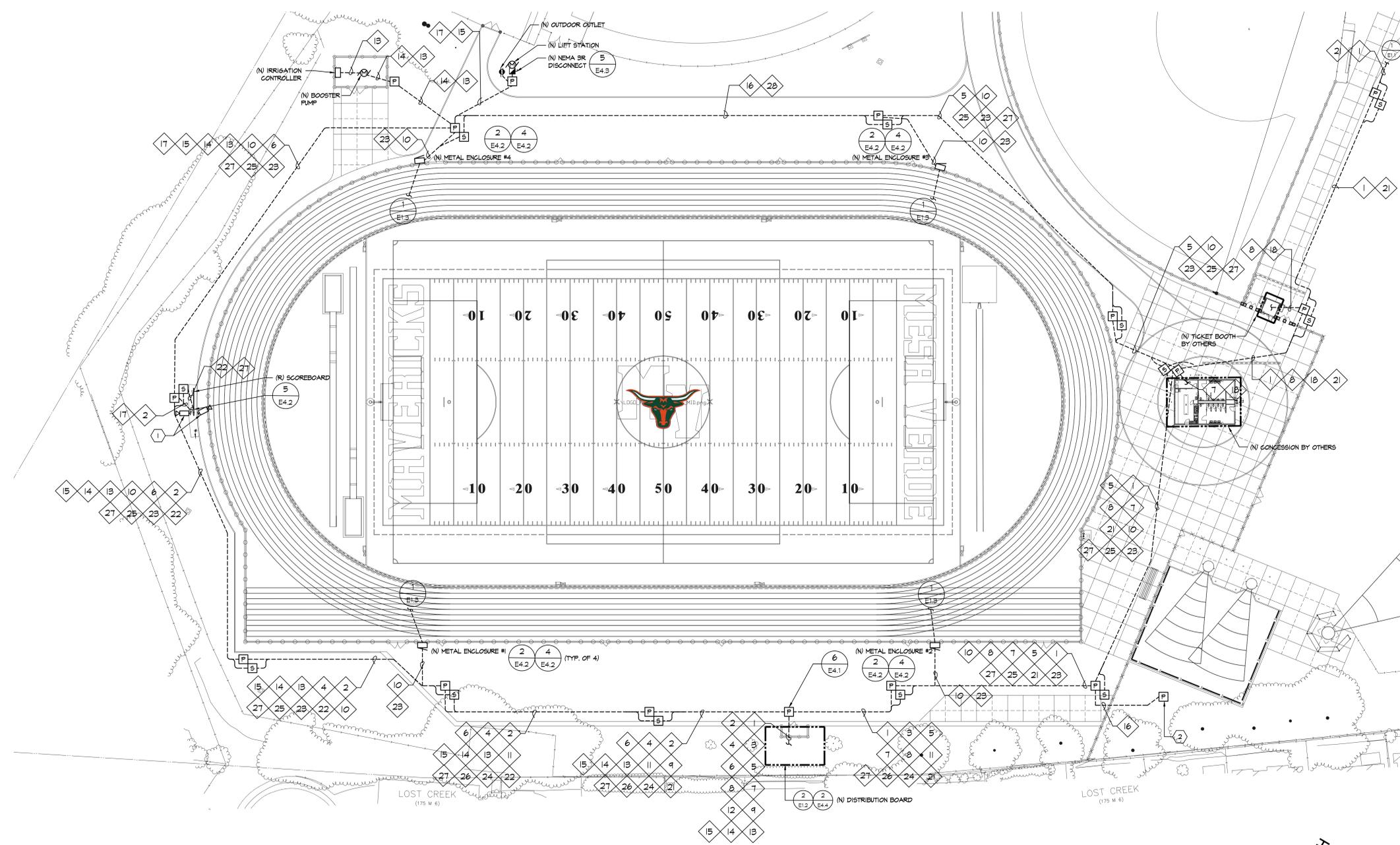
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SHEET NO. E1.1	

**1 ELECTRICAL CAMPUS SITE PLAN**  
 E1.1 SCALE: 1" = 50'-0"



ALL ELECTRICAL SYMBOLS, NOTATIONS, AND METHODS OF REPRESENTATION OF THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, DEVELOPED, AND DELETED FOR USE IN AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSES WITHOUT THE WRITTEN PERMISSION OF VERDE DESIGN, INC.



**GENERAL NOTES:**

- SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- CONTRACTOR TO SITE SURVEY (E) CONDITIONS AND LOCATIONS OF (E) UNDERGROUND SYSTEMS, WHERE (N) TRENCHWORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUIT/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) ELECTRICAL TRENCHWORK.
- PRIOR TO ALL (N) TRENCHES, CONTRACTOR TO USE ALL (E) ELECTRICAL CONDUITS AND OTHER UTILITIES TO FAMILIARIZE THEMSELVES WITH THE FIELD CONDITIONS AND ADJUST (N) TRENCHES ACCORDINGLY.
- COORDINATE ALL (N) UNDERGROUND CONDUITS WITH EGRESS LIGHTING PLAN AND FA DRAWINGS. PROVIDE AND INSTALL CONDUIT IN COMMON TRENCH PER DETAIL 1/E4.3.
- IN-GRADE PULL BOX IDENTIFIED WITH 'P' SHALL HAVE LID LABELED 'ELECTRICAL'.
- IN-GRADE PULL BOX IDENTIFIED WITH 'S' SHALL HAVE LID LABELED 'SIGNAL'.
- CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT.
- NOT USED.
- CONTRACTOR TO COORDINATE ELECTRICAL SITE PLAN, FA AND PEDESTRIAN SITE PLAN TO COMBINE ALL UNDERGROUND CONDUITS IN COMMON TRENCH AS NECESSARY.
- ALL EMPTY CONDUIT SHALL BE PROVIDED WITH NYLON PULL CORD AS NOTED IN THE SPECIFICATIONS.
- ALL POWER BOXES SHALL BE B2456 BOX UNLESS OTHERWISE NOTED. SEE DETAIL 5/E4.1 LABEL BOX 'ELECTRICAL'.
- ALL SIGNAL BOXES SHALL BE B2456 BOX UNLESS OTHERWISE NOTED. SEE DETAIL 5/E4.1 LABEL LID 'SIGNAL'.
- ALL POWER PULL BOX WITH METAL LID SHALL BE PROVIDED WITH #6 GROUND TO COMPLY WITH CODE.

**SHEET NOTES:**

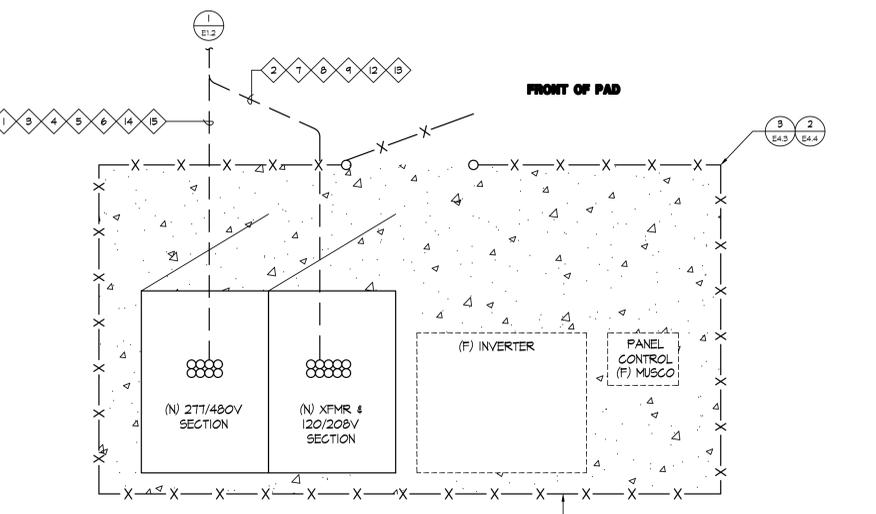
- (1) (N) SECURITY CAMERA. COORDINATE WITH DISTRICT EXACT PLACEMENT FOR CORRECT SECURITY CAMERA COVERAGE.
- (2) (N) IN GRADE PULL BOX WITH EXISTING CONDUIT. SEE E1.0 FOR ADDITIONAL INFORMATION.

**CONDUIT SCHEDULE:**

POWER SYSTEMS	
1	(N) (2) 4" - STADIUM DISTRIBUTION PANEL.
2	(N) (1) 2 1/2" - SCOREBOARD
3	(N) (1) 3"CO - POWER (FUTURE SPORTS FIELD LIGHTS) - POLE F1.
4	(N) (1) 3"CO - POWER (FUTURE SPORTS FIELD LIGHTS) - POLE F2.
5	(N) (1) 3"CO - POWER (FUTURE SPORTS FIELD LIGHTS) - POLE F3.
6	(N) (1) 3"CO - POWER (FUTURE SPORTS FIELD LIGHTS) - POLE F4.
7	(N) (2) 3"CO - POWER (CONCESSION RESTROOMS).
8	(N) (1) 3"CO - POWER (SPARE).
9	(N) (1) 2"CO - POWER (FUTURE PRESSBOX).
10	(N) (1) 2"CO - POWER (COMBO BOX OUTLET).
11	(N) (2) 2"CO - POWER (COMBO BOX OUTLET).
12	(N) (4) 2"CO - POWER (COMBO BOX OUTLET).
13	(N) (1) 2"CO - POWER (IRRIGATION CONTROLLER).
14	(N) (1) 2-1/2"CO - POWER (IRRIGATION PUMP).
15	(N) (1) 2-1/2"CO - POWER (LIFT STATION PUMP).
16	(N) (2) 3"CO - POWER (SPARE).
17	(N) (1) 2"CO - POWER (LIFT STATION SERVICE OUTLET).
18	(N) (1) 2"CO - POWER (TICKETBOOTH).
COMMUNICATION SYSTEM	
21	(N) (1) 3"CO - DATA (FIBER).
22	(N) (1) 2"CO - DATA (SPARE).
23	(N) (1) 2"CO - SIGNAL (SCOREBOARD).
24	(N) (1) 2"CO - SIGNAL (COMBO BOX SIGNAL).
25	(N) (2) 2"CO - SIGNAL (COMBO BOX SIGNAL).
26	(N) (1) 2-1/2"CO - SPEAKER (SPARE).
27	(N) (1) 2"CO - SECURITY CAMERA.
28	(N) (2) 2"CO - SIGNAL (SPARE).

**1 ELECTRICAL SITE PLAN - STADIUM**

E1.2 SCALE: 1" = 30'-0"



**2 (N) 400A INTEGRATED DISTRIBUTION BOARD FRONT PANEL LAYOUT**

E1.2 NOT TO SCALE

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SHEET TITLE  
**ELECTRICAL SITE PLAN - STADIUM**

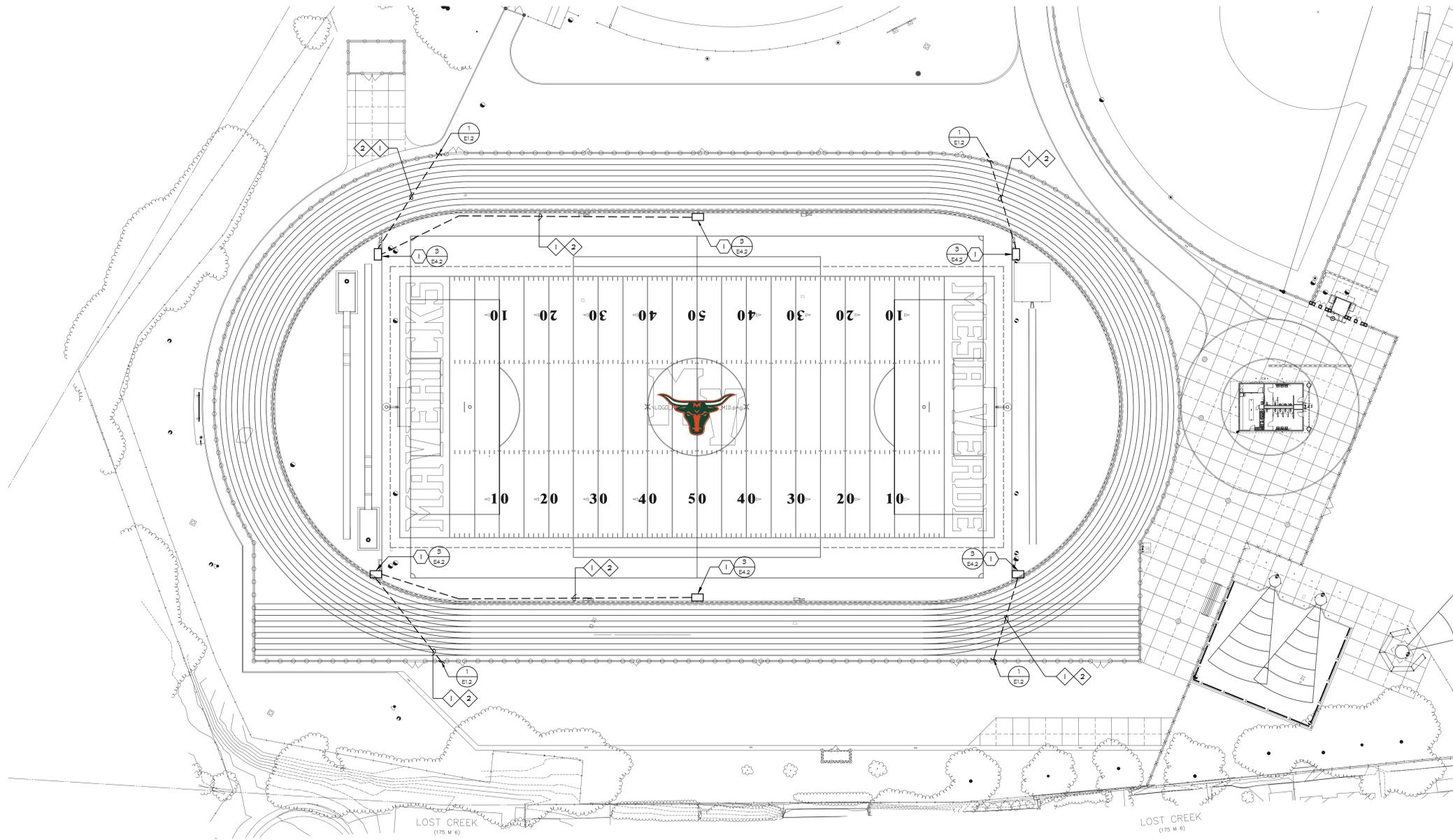
PROJECT NAME  
**MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE CITRUS HEIGHTS, CA 95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
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**GENERAL NOTES:**

- SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- CONTRACTOR TO SITE SURVEY (E) CONDITIONS AND LOCATIONS OF (E) UNDERGROUND SYSTEMS, WHERE (N) TRENCHWORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUIT PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) ELECTRICAL TRENCHWORK.
- PRIOR TO ALL (N) TRENCHES, CONTRACTOR TO USA ALL (E) ELECTRICAL CONDUITS AND OTHER UTILITIES TO FAMILIARIZE THEMSELVES WITH THE FIELD CONDITIONS AND ADJUST (N) TRENCHES ACCORDINGLY.
- IN-GRADE PULL BOX IDENTIFIED WITH '1' SHALL HAVE LID LABELED 'ELECTRICAL'.
- IN-GRADE PULL BOX IDENTIFIED WITH '3' SHALL HAVE LID LABELED 'SIGNAL'.
- CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.
- CONTRACTOR TO COORDINATE ELECTRICAL SITE PLAN, FA AND PEDESTRIAN SITE PLAN TO COMBINE ALL UNDERGROUND CONDUITS IN COMMON TRENCH AS NECESSARY.
- ALL EMPTY CONDUIT SHALL BE PROVIDED WITH NYLON PULL CORD AS NOTED IN THE SPECIFICATIONS.
- SPLICE GROUND WIRE INSIDE ALL METAL ELECTRICAL PULL BOXES LABELED 'ELECTRICAL' AND BOND TO METAL COVER WITH #10 CU GND.
- ALL COMBO BOX IN-FIELD SHALL BE SUBMITTED AND REVIEWED BY BOTH LANDSCAPE AND ELECTRICAL ENGINEER FOR FOR APPROVAL.

**SHEET NOTES:**

- IN-GRADE ELECTRICAL COMBO BOX LOCATED IN THE FIELD TURF. CONTRACTOR TO PROVIDE COMBO BOX AND INSTALL PER VERDE CONSULTANT'S INSTALLATION REQUIREMENTS. COORDINATE INSTALL WITH FIELD CONTRACTOR TO SUCCESSFULLY INSTALL COMBO BOX PER LANDSCAPE CONTRACTOR'S REQUIREMENTS. PROVIDE DRAINAGE CONDUIT FROM COMBO BOX TO INFIELD DRAINING SYSTEM.

**CONDUIT SCHEDULE:**

- 1 (N) 1 2" - POWER (COMBO BOX OUTLET)
- 2 (N) 1 2" - SIGNAL (COMBO BOX SIGNAL)

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 408/236-2312  
 Job # EK20079.00 Fax: 408/236-2316

SHEET TITLE  
**ELECTRICAL SITE PLAN -  
 INFIELD ELECTRICAL  
 SITE PLAN - STADIUM**

PROJECT NAME  
**MESA VERDE  
 HIGH SCHOOL  
 ATHLETIC FACILITY  
 IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE  
 CITRUS HEIGHTS, CA  
 95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
DSA BACKCHECK SUBMITTAL	01/20/2021

NO.	REVISIONS	DATE

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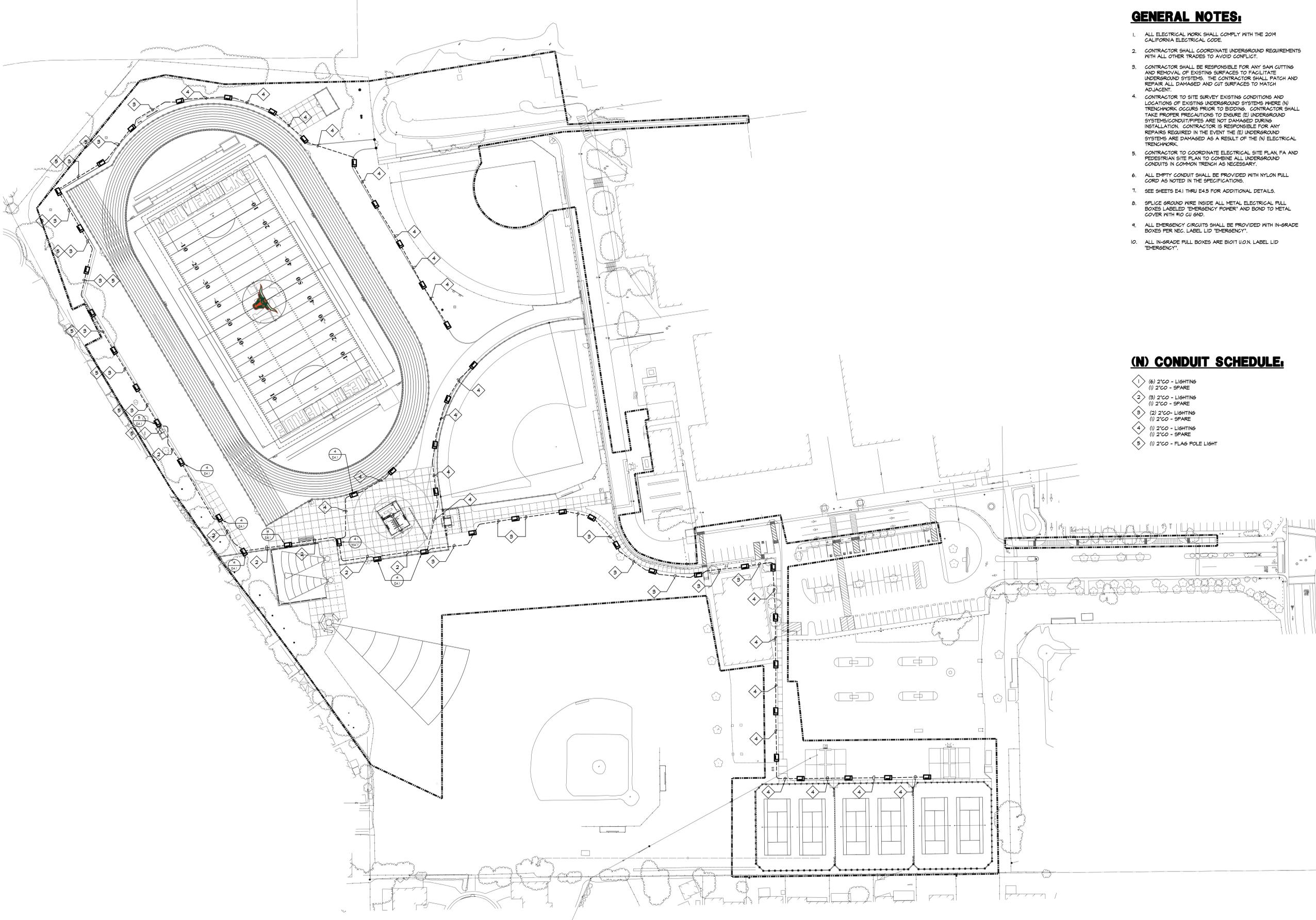
SHEET NO.: **E1.3**

**1 ELECTRICAL SITE PLAN - INFIELD ELECTRICAL SITE PLAN - STADIUM**  
 E1.2 SCALE: 1" = 30'-0"



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**GENERAL NOTES:**

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2019 CALIFORNIA ELECTRICAL CODE.
2. CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRACES TO AVOID CONFLICT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT.
4. CONTRACTOR TO SITE SURVEY EXISTING CONDITIONS AND LOCATIONS OF EXISTING UNDERGROUND SYSTEMS WHERE (N) TRENCHWORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUIT/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) ELECTRICAL TRENCHWORK.
5. CONTRACTOR TO COORDINATE ELECTRICAL SITE PLAN, FA AND PEDESTRIAN SITE PLAN TO COMBINE ALL UNDERGROUND CONDUITS IN COMMON TRENCH AS NECESSARY.
6. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH NYLON PULL CORD AS NOTED IN THE SPECIFICATIONS.
7. SEE SHEETS E4.1 THRU E4.3 FOR ADDITIONAL DETAILS.
8. SPLICE GROUND WIRE INSIDE ALL METAL ELECTRICAL PULL BOXES LABELED "EMERGENCY POWER" AND BOND TO METAL COVER WITH #10 CU GND.
9. ALL EMERGENCY CIRCUITS SHALL BE PROVIDED WITH IN-GRADE BOXES PER NEC. LABEL LID "EMERGENCY".
10. ALL IN-GRADE PULL BOXES ARE B1011 U.O.N. LABEL LID "EMERGENCY".

**(N) CONDUIT SCHEDULE:**

- 1 (6) 2"CO - LIGHTING  
(1) 2"CO - SPARE
- 2 (3) 2"CO - LIGHTING  
(1) 2"CO - SPARE
- 3 (2) 2"CO - LIGHTING  
(1) 2"CO - SPARE
- 4 (1) 2"CO - LIGHTING  
(1) 2"CO - SPARE
- 5 (1) 2"CO - FLAG POLE LIGHT

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SHEET TITLE  
**ELECTRICAL SITE PLAN  
 EGRESS LIGHTING**

PROJECT NAME  
**MESA VERDE  
 HIGH SCHOOL  
 ATHLETIC FACILITY  
 IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE  
 CITRUS HEIGHTS, CA  
 95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
DSA BACKCHECK SUBMITTAL	01/20/2021

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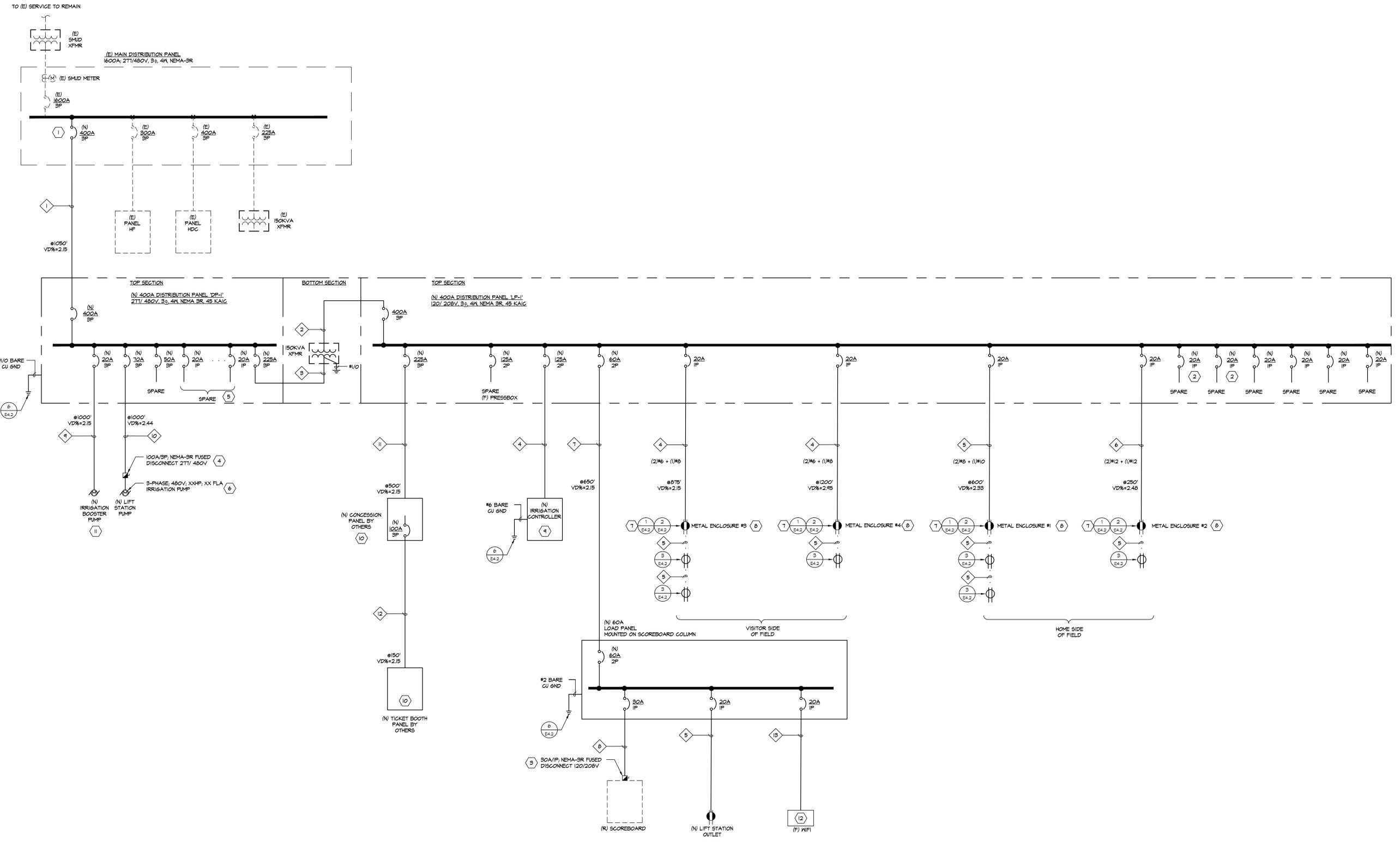
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1819500

SHEET NO.  
**E1.4**

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





**SHEET NOTES:**

- 1 INSTALL NEW CIRCUIT BREAKER. CONTRACTOR SHALL VERIFY AND MATCH (E) CIRCUIT BREAKER STYLE, TYPE AND AIC RATINGS. PROVIDE ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION. PROVIDE NAME PLATE TO IDENTIFY BREAKER.
- 2 CONTRACTOR TO PROVIDE GFCI BREAKERS IN PANEL.
- 3 INSTALL NEW NEMA-3R (FUSED 240V ELECTRICAL DISCONNECT. COORDINATE WITH SCOREBOARD MANUFACTURER LOCATION OF POWER ENTRY TO FACILITATE EFFICIENT LOCATION OF DISCONNECT AND CONNECT AS REQUIRED.
- 4 PROVIDE (N) ELECTRICAL DISCONNECT, 277/480V, NEMA-3R. PROVIDE AND SIZE FUSE PER EQUIPMENT NAMEPLATE. PROVIDE ENGRAVE NAMEPLATE, LABEL "LIFT STATION" AND PANEL CIRCUIT.
- 5 PROVIDE (6) 20A/IP BREAKERS FOR FUTURE PEDESTRIAN/EGRESS LIGHTING.

- 6 CONTRACTOR TO COORDINATE AND CONFIRM EQUIPMENT SIZE PRIOR TO PROVIDING, INSTALLING AND CONNECTING WIRES AND BREAKERS. THE INTENT IS TO ENSURE NO CHANGES HAVE OCCURRED DURING THE PUMP SUBMITTAL PROCESS.
- 7 OUTLET WITH GFCI TO PROTECT NON-GFCI OUTLETS DOWNSTREAM.
- 8 PROVIDE ENGRAVED NAMEPLATE OUTSIDE OF ENCLOSURE AND PROVIDE NUMBERS OF ENCLOSURE. EX. "METAL ENCLOSURE #1"
- 9 IRRIGATION CONTROLLER HAS POWER SWITCH/OUTLET BUILT-IN. COORDINATE WITH EQUIPMENT MANUFACTURER AND TERMINATE AS REQUIRED. COORDINATE WITH LANDSCAPE ARCHITECT FOR EXACT LOCATION.
- 10 FEEDERS SHALL BE INSTALLED AND TERMINATED AFTER PERMANENT BUILDING IS INSTALLED.
- 11 DISCONNECT IS BUILT-IN. CONTRACTOR TO CONFIRM PRIOR TO SUBMITTAL OF BOOSTER PUMP AND CONNECT AS REQUIRED.
- 12 PROVIDE 6"x6"x4" NEMA 3R PULL CAN LEVEL. (N) PULL CAN WITH TOP OF SCOREBOARD COLUMN. COIL 120V CONDUCTORS FOR (F) WFI INSIDE (N) PULL CAN.

**GENERAL NOTES:**

- 1. SEE SITE PLAN FOR APPROXIMATE LOCATION OF (N) AND (E) MAIN SWITCHBOARD. SEE SITE PLAN FOR APPROXIMATE LOCATION OF (N) AND (E) PAD MOUNTED SMUD.
- 2. ALL CIRCUIT BREAKERS IN (N) SMUD OR DIST. BOARD SHALL BE PROVIDED WITH NAME PLATE TO IDENTIFY EQUIPMENT. SEE SPECS FOR REQUIREMENTS.
- 3. ALL ELECTRICAL DISCONNECTS SHALL BE PROVIDED WITH NAMEPLATE PANEL AND BRANCH CIRCUITRY. NAMEPLATE SHALL BE SCREEN SECURED AND RATED FOR OUTDOOR USE.
- 4. ALL XFMR EQUIPMENT SHALL BE PROVIDED WITH NAMEPLATE TO IDENTIFY SIZE OF XFMR AND EQUIPMENT VOLTAGE. PROVIDE EQUIPMENT LABEL TO IDENTIFY EQUIPMENT.

**CONDUIT SCHEDULE:**

- 1 2 SETS OF (N) 4" WITH (4) 500KCMIL + (1) #2 CU GND EACH
- 2 (N) 2 1/2" - (3) #10 + (1) #10 CU GND
- 3 (N) 2 1/2" - (3) #8 + (1) #10 CU GND
- 4 (N) 2" - (2) #8 + (1) #10 CU GND
- 5 (N) 2" - (2) #8 + (1) #10 CU GND
- 6 (N) 2" - (2) #12 + (1) #12 CU GND
- 7 (N) 2 1/2" - (3) #250KCMIL + (1) #4 CU GND
- 8 (N) 1 1/2" - (3) #8 + (1) #10 CU GND
- 9 (N) 2 1/2" - (4) #4 + (1) #6 CU GND
- 10 (N) 2 1/2" - (4) #210 + (1) #4 CU GND
- 11 2 SETS OF (N) 3" - (4) 350KCMIL + (1) #3 CU GND
- 12 (N) 2" - (4) 100 + (1) #4 CU GND
- 13 (N) 1 1/4" - (2) #12 + (1) #12 CU GND

**ELECTRICAL SINGLE LINE DIAGRAM**

E3.1 N.T.S.

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SHEET TITLE  
**DATA  
 RISER DIAGRAM**

PROJECT NAME  
**MESA VERDE  
 HIGH SCHOOL  
 ATHLETIC FACILITY  
 IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE  
 CITRUS HEIGHTS, CA  
 95621**

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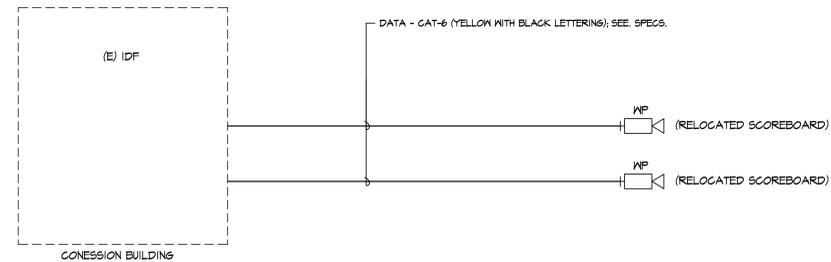
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 SHEET NO.: **E3.2**

**RISER GENERAL NOTES**

- ALL DATA/TELEPHONE CABLES SHALL BE INSTALL IN CONDUIT AND/OR JHOOKS FROM EACH PORT DATA/TELEPHONE LOCATION WHERE SHOWN ON PLANS TO THE NEAREST DESIGNATED IDF LOCATION U.O.N. MAKE TERMINATIONS AT BOTH DATA OUTLET AND IDF LOCATION.
- ALL CABLE SHALL BE ROUTE DIRECTLY FROM STATION TO IDF/MDP LOCATION WITHOUT SPLICE OR INTERRUPTION.
- ALL CAT 6 CABLES ARE TO BE TESTED FOR COMPLIANCE WITH TRUE CAT 6 PERFORMANCE USING A HAND HELD NETWORK SCANNER. HARD COPY AND SOFT COPY RESULTS ARE TO BE PROVIDED FOR ALL JACKS TESTED. NETWORK ANALYZER IS TO BE A FLUKE DSP 4500 OR OWNER APPROVED EQUIVALENT. SOFT COPY RESULTS TO BE PROVIDE ON A WINDOW XP OR LATER COMPACT DISK (CD). SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- ALL FIBER OPTIC CABLE RUNS WILL BE TESTED AND DOCUMENTATION PROVIDED TO SHOW THAT EACH STRAND MEETS OR EXCEEDS THE EIA/TIA-455 STANDARDS. PROVIDE RECORDED TEST RESULTS ON ALL CABLES PASSED FOR OWNER'S RECORDS. CONTRACTOR WILL TEST THE FIBER OPTIC CABLE PRIOR TO INSTALLATION TO CHECK FOR DEFECTS. IF THE CONTRACTOR DOES NOT TEST THE FIBER AND DEFECTS ARE FOUND THAT REQUIRE THE CABLE TO BE REPLACED, THE CONTRACTOR IS RESPONSIBLE FOR THE CABLE. CONTRACTOR WILL TEST THE INSTALLED FIBER OPTIC CABLES AND DOCUMENT EACH STRAND'S RESULT. IF ANY STRANDS ARE FOUND TO BE OUT SPECIFICATION, THE CONTRACTOR WILL REPAIR THE STRANDS TERMINATION AS NEEDED OR REPLACE CABLE IF REQUIRED. THE CONTRACTOR WILL RETEST AFTER REPAIRS. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
- CADDY "J" HOOKS SHALL BE INSTALLED EVERY 5 FEET ABOVE SUSPENDED CEILING TO SUPPORT ALL CABLING. ALL CABLING SHOULD BE PROPERLY SECURED AND NOT ATTACHED TO THE SUPPORT WIRE OF THE T-BAR CEILING AND NOT LAYING ACROSS CEILING BOARDS/TILES.
- ALL COPPER CABLING SHALL BE INSTALLED AWAY FROM ELECTRICAL INTERFERENCE.
- HORIZONTAL CABLING AT STATION LOCATION SHOULD HAVE A SERVICE LOOP OF 6" ABOVE CEILING.
- SEE DATA/TELEPHONE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL CABLES INSTALL IN EXTERIOR UNDERGROUND CONDUIT SHALL BE RATED FOR INDOOR/OUTDOOR USES.



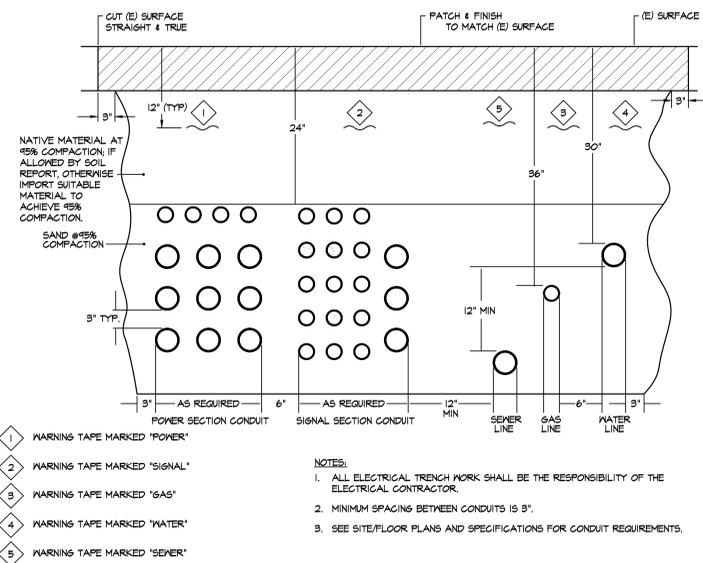
**1 DATA RISER DIAGRAM**  
 E3.2 N.T.S.

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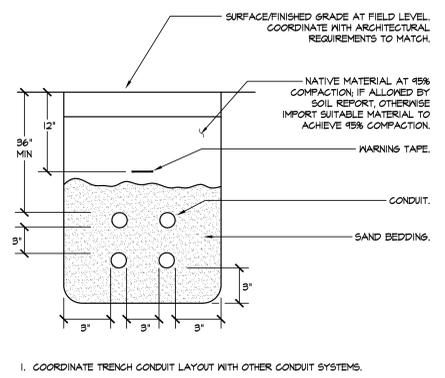
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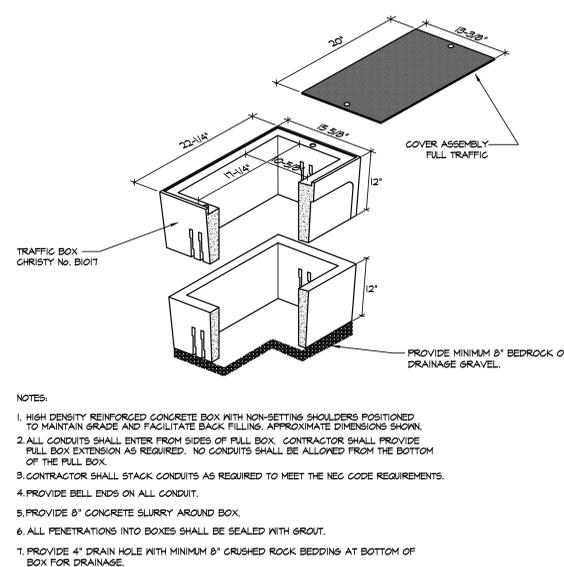
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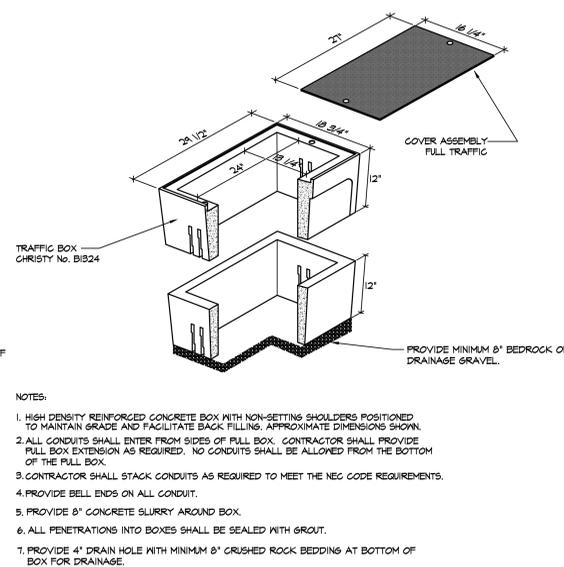
**1 TYPICAL JOINT TRENCH & DUCT BANK DETAIL**  
 E4.1 NOT TO SCALE



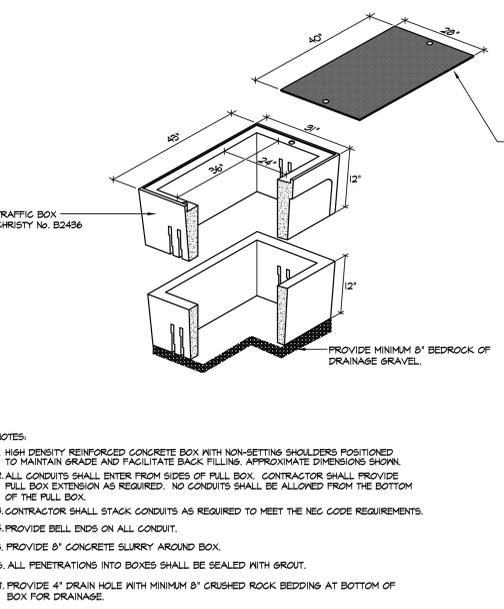
**2 TYPICAL TRENCH DETAIL AT FIELD LEVEL**  
 E4.1 NOT TO SCALE



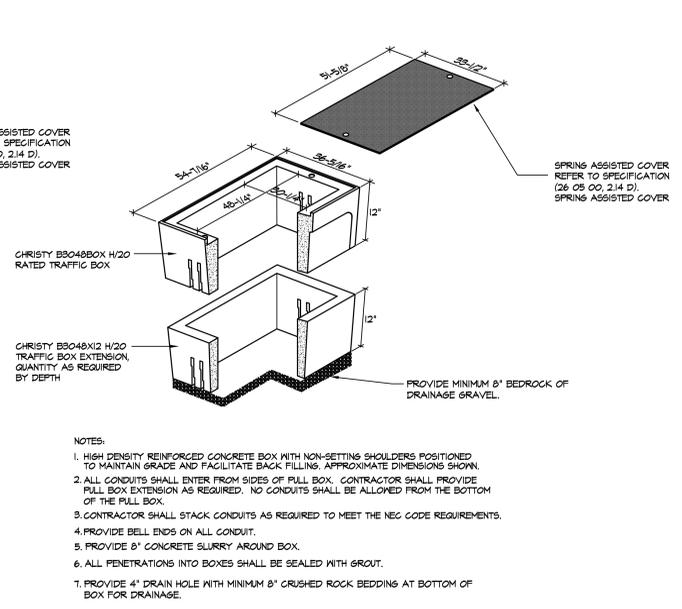
**3 B1017 ELECTRICAL VAULT**  
 E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



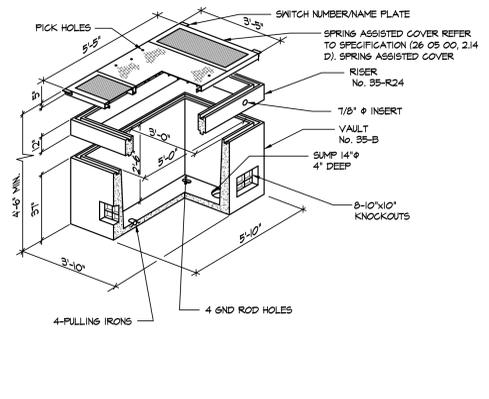
**4 B1324 ELECTRICAL VAULT**  
 E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



**5 B2436 ELECTRICAL VAULT**  
 E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



**6 B3048 TRAFFIC BOX DETAIL**  
 E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



**7 3' X 5' ELECTRICAL VAULT**  
 E4.1 NOT TO SCALE (NOT REVIEWED BY DSA) (FULL TRAFFIC COVER)

SHEET TITLE

ELECTRICAL DETAILS

PROJECT NAME

MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS

PROJECT ADDRESS

7501 CARRIAGE DRIVE  
 CITRUS HEIGHTS, CA  
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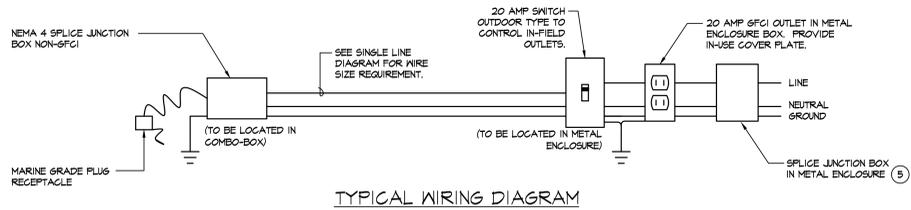
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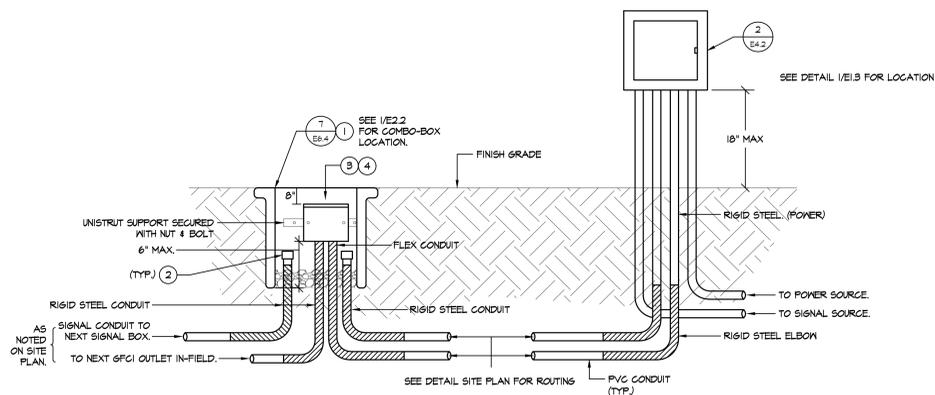
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TYPICAL WIRING DIAGRAM

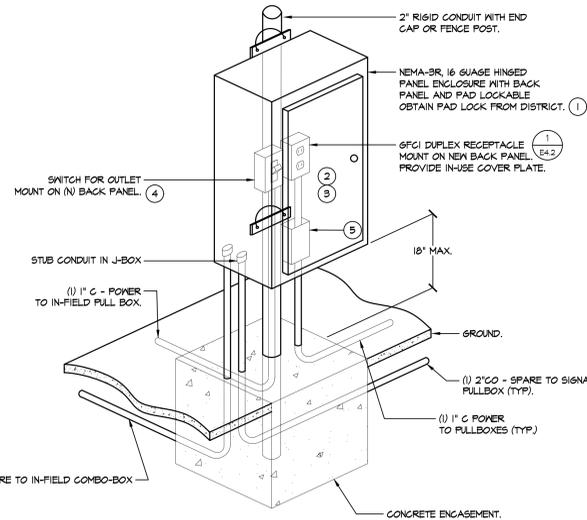


- NOTES:
- COMBO-BOX SHALL BE INSTALLED WITH PROPER PIPE DRAINAGE SYSTEM TO AVOID OUTLET HAZARD. PROVIDE DRAIN PIPE AND CONNECT TO IN-FIELD DRAIN SYSTEM. COORDINATE WITH LANDSCAPE DRAWING. REFER TO LANDSCAPE DRAWINGS FOR COMBO INSTALLATION AND ADDITIONAL REQUIREMENTS.
  - STUB SIGNAL CONDUIT IN SIGNAL PULL BOX. PROVIDE CAP AND PULL STRINGS.
  - 8" x 8" x 8" NEMA 4 JUNCTION BOX.
  - LABEL OUTLET WITH ENGRAVED NAMEPLATE. IDENTIFY AS OUTLET "IN-FIELD OUTLET #1". REMAINING OUTLETS WILL BE NUMBERED CONSECUTIVELY.
  - PROVIDE JUNCTION BOX IN METAL ENCLOSURE TO SPLICE AND REDUCE WIRE AS REQUIRED BY CODE TO ALLOW #10 CABLE TO TERMINATE AT OUTLET.

TYPICAL ELEVATION SWITCH DETAIL

1 TYPICAL SWITCHED & OUTLET DETAIL

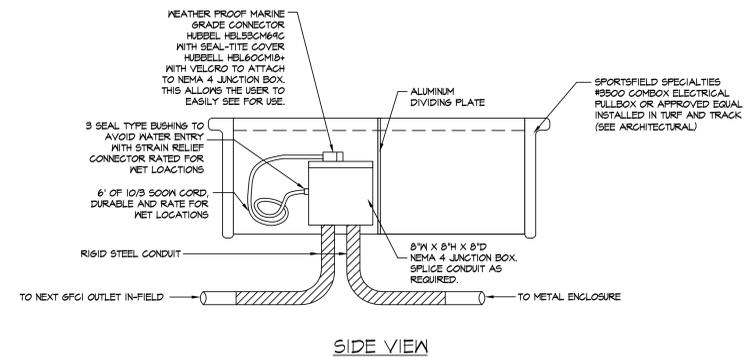
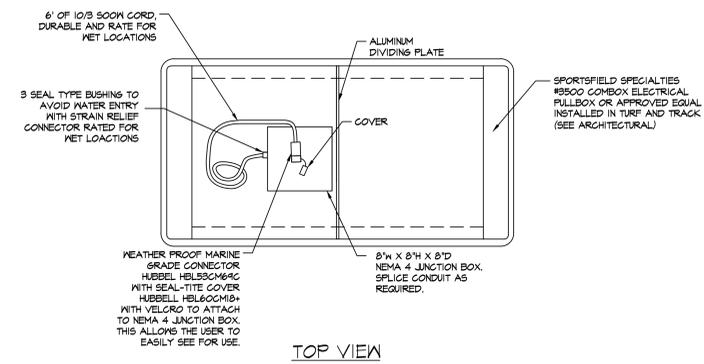
E4.2 NOT TO SCALE



- NOTES:
- FULL CAN SHALL BE PROVIDED WITH SEPARATORS TO DIVIDE POWER & SIGNAL. PROVIDE AS REQUIRED TO COMPLY WITH NEC. NEMA-3R FULL CAN SHALL BE APPROVED U.L. LISTED.
  - PROVIDE ENGRAVED NAME PLATE. IDENTIFY AS ELECTRICAL BOX #1. REMAINING BOXES WILL BE NUMBERED CONSECUTIVELY. NAME PLATE SHALL BE PROVIDED PER SPECIFICATIONS.
  - PROVIDE ADDITIONAL ENGRAVED NAME PLATE FOR SWITCH CONTROL. IDENTIFY AS "SW" INSIDE FOR IN-FIELD OUTLETS.
  - PROVIDE ENGRAVED NAMEPLATE NEXT TO SWITCH TO IDENTIFY IN-FIELD OUTLETS. IDENTIFY AS "POWER TO IN-FIELD OUTLETS #1".
  - SPLICE JUNCTION BOX IN METAL ENCLOSURE TO REDUCE FEEDER SIZE.

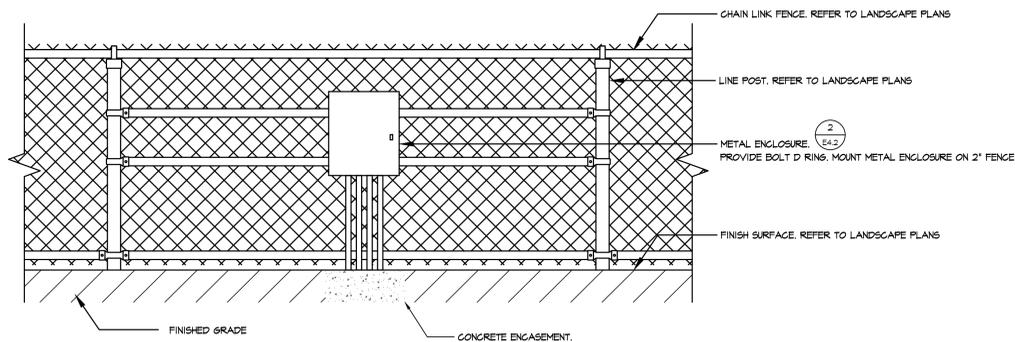
2 METAL ENCLOSURE DETAIL

E4.2 NOT TO SCALE



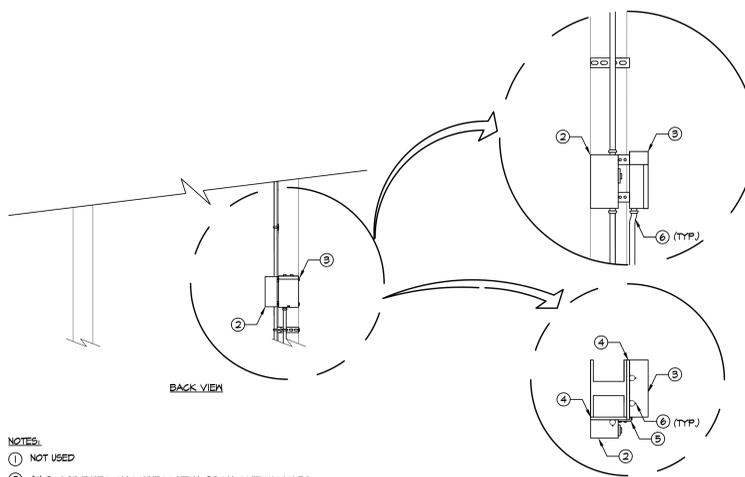
3 TYPICAL OUTLET IN COMBO-BOX DETAIL

E4.2 NOT TO SCALE



4 TYPICAL ELEVATION DETAIL

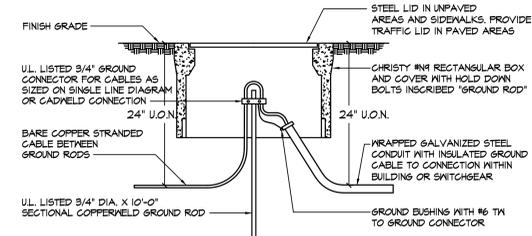
E4.2 NOT TO SCALE



- NOTES:
- NOT USED
  - (N) 20A/1P FUSED DISCONNECT, NEMA 3R MAX HEIGHT 10LBS
  - (N) 18.25" x 7" x 4" 60A NEMA 3R ELECTRICAL LOAD PANEL MAX HEIGHT 20LBS
  - (N) P1000 UNISTRUT WITH BRACKETS MOUNTED ON COLUMN. REFER TO 1/50.01
  - (N) 3 HOLE FLUSH FITTINGS L - BRACKET
  - (N) POWER CONDUIT RIGID

5 SCOREBOARD PANEL MOUNTING

E4.2 NOT TO SCALE



- NOTE:
- SEE SINGLE LINE DIAGRAM AND FLOOR PLANS FOR SIZE OF CONDUCTORS AND ARRANGEMENT OF GROUNDING SYSTEM

6 GROUND ROD INSPECTION WELL

E4.2 NOT TO SCALE

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SHEET TITLE

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DATE ISSUED 01/20/2021 SCALE

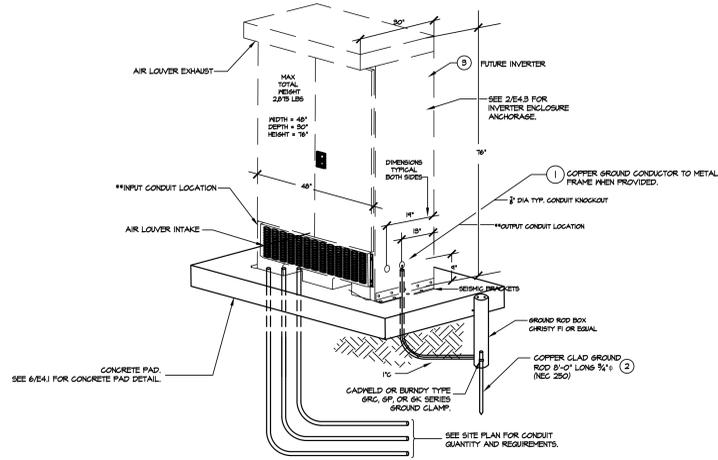
PROJ. NO. 1819500

SHEET NO. E4.2

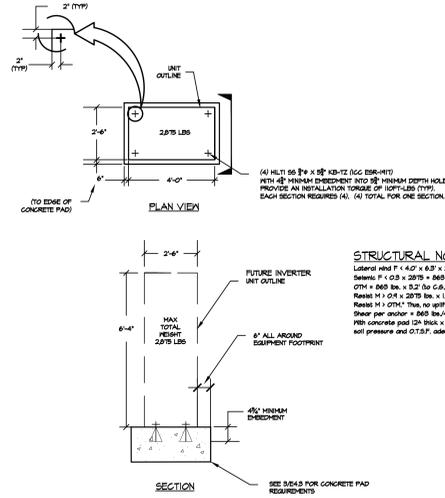
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INVERTER ENCLOSURE	
TOTAL HEIGHT OF INVERTER ENCLOSURE	2,875 LBS

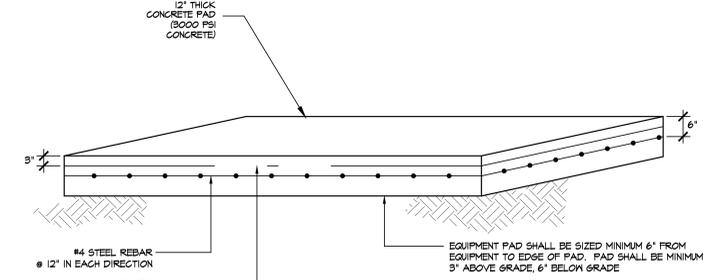
- NOTE:
- SIZE OF CONDUCTORS SHALL COMPLY WITH NEC TABLE 250-66.
  - CHECK RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS AS REQUIRED. (NEC 250-56)
  - OUTDOOR INVERTER ENCLOSURE



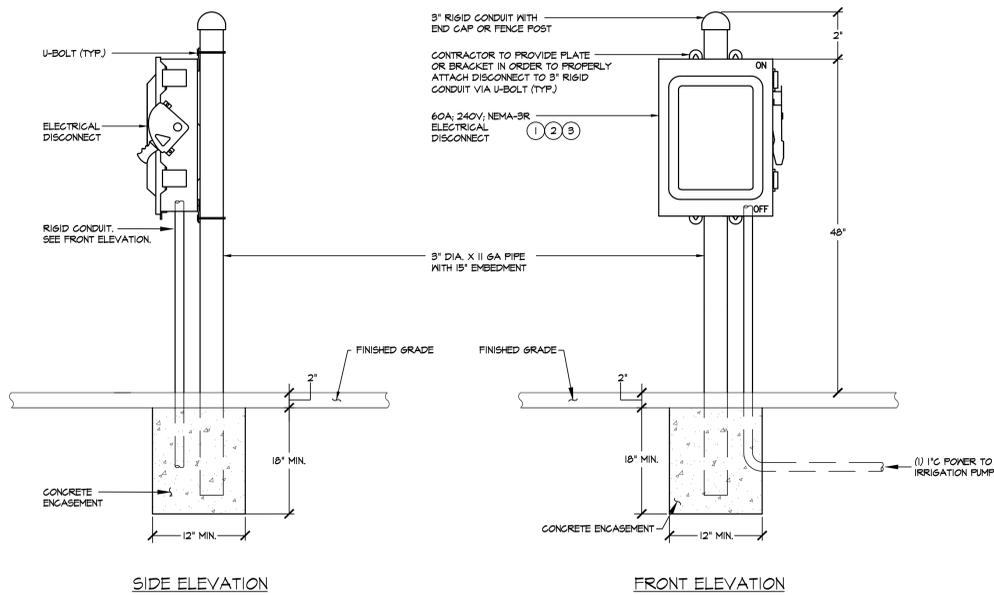
**1 FUTURE TYPICAL INVERTER ENCLOSURE DETAILS**  
E4.3 NOT TO SCALE **'REFERENCE ONLY'**



**2 FUTURE INVERTER ENCLOSURE ANCHORAGE DETAILS**  
E4.3 NOT TO SCALE **'REFERENCE ONLY'**

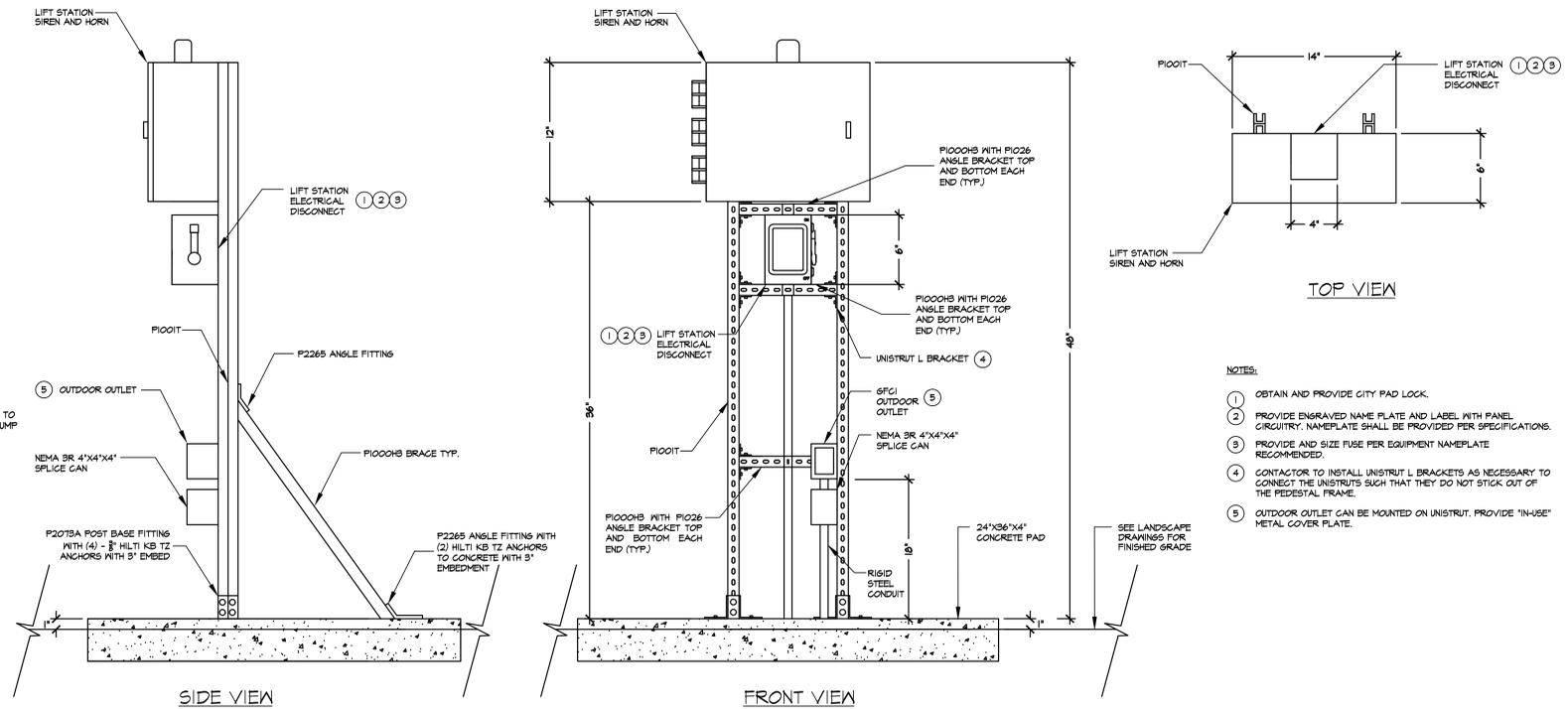


**3 EQUIPMENT PAD**  
E4.3 NOT TO SCALE



- NOTES:
- OBTAIN AND PROVIDE DISTRICT PAD LOCK.
  - PROVIDE ENGRAVED NAME PLATE IDENTIFY AS ELECTRICAL DISCONNECT WITH PANEL CIRCUITRY. NAMEPLATE SHALL BE PROVIDED PER SPECIFICATIONS.
  - PROVIDE AND SIZE FUSE PER EQUIPMENT NAMEPLATE RECOMMENDED.

**4 IRRIGATION PUMP ELECTRICAL DISCONNECT DETAIL**  
E4.3 NOT TO SCALE



- NOTES:
- OBTAIN AND PROVIDE CITY PAD LOCK.
  - PROVIDE ENGRAVED NAME PLATE AND LABEL WITH PANEL CIRCUITRY. NAMEPLATE SHALL BE PROVIDED PER SPECIFICATIONS.
  - PROVIDE AND SIZE FUSE PER EQUIPMENT NAMEPLATE RECOMMENDED.
  - CONTRACTOR TO INSTALL UNISTRUT L BRACKETS AS NECESSARY TO CONNECT THE UNISTRUTS SUCH THAT THEY DO NOT STICK OUT OF THE PEDESTAL FRAME.
  - OUTDOOR OUTLET CAN BE MOUNTED ON UNISTRUT. PROVIDE 'IN-USE' METAL COVER PLATE.

**5 LIFT STATION PUMP ELECTRICAL DISCONNECT MOUNTING**  
E4.3 NOT TO SCALE

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-118588 INC.  
REVIEWED FOR:  
SS  FLS  ACS   
DATE: 01/20/2021

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SHEET TITLE  
**ELECTRICAL DETAILS**

PROJECT NAME  
**MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE CITRUS HEIGHTS, CA 95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
DSA BACKCHECK SUBMITTAL	01/20/2021

NO.	REVISIONS	DATE
▲		
▲		
▲		
▲		

DRAWN BY	SB	CHECKED BY	SF
DATE ISSUED	01/20/2021	SCALE	
PROJ. NO.	1819500		
SHEET NO.	E4.3		

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SHEET TITLE

NOTES

PROJECT NAME

MESA VERDE
HIGH SCHOOL
ATHLETIC FACILITY
IMPROVEMENTS

PROJECT ADDRESS

7501 CARRIAGE DRIVE
CITRUS HEIGHTS, CA
95621

Table with 2 columns: SUBMITTAL, DATE. Rows for 50% SUBMITTAL (08/13/2020), DSA SUBMITTAL (10/15/2020), DSA BACKCHECK SUBMITTAL (01/20/2021).

Table with 3 columns: NO., REVISIONS, DATE. Revision symbols shown.

Table with 2 columns: DRAWN BY, CHECKED BY. Values: IB, CG.

Table with 2 columns: DATE ISSUED, SCALE. Values: 01/20/2021, AS NOTED.

PROJ. NO. 1819500

SHEET NO. T2.00

GENERAL NOTES table with 3 columns containing various construction and safety notes.

DSA REQUIREMENTS table with 3 columns containing detailed regulatory and project-specific requirements.

PROJECT DIRECTORY table with 3 columns: PROJECT DESCRIPTION, ADDITIVE ALTERNATES, DEFERRED APPROVAL, INSPECTOR CLASS.

SUPPLEMENTAL GENERAL NOTES table with 3 columns containing additional project-specific notes and instructions.

DETAIL DRAWING CODE table with 3 columns: A10.8.4, DRAWING NUMBER, DIVISION PREFIX INDEX.

THE DIVISION PREFIX NUMBERS ARE THOSE IDENTIFIED BY THE 28 DIVISIONS GROUPING SYSTEM OF 2004 MASTERFORMAT A PUBLISHED BY THE CONSTRUCTION SPECIFICATION INSTITUTE (CSI) AND SHALL NOT BE SOLELY REPRESENTATIVE OF REQUIREMENTS FOR ANY ONE DIVISION. THOSE DIVISIONS WHICH ARE OMITTED ARE NOT APPLICABLE OR ARE INCLUDED UNDER DISCIPLINE DRAWINGS.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT table with 3 columns: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS...

ARCHITECTURAL DRAWING SYMBOLS AND ABBREVIATIONS

SYMBOLS	ABBREVIATIONS	CONSTR	CONNECTION	FHWS	FLATHEAD WOOD SCREW	LKWASH	LOCKWASHER	PLYWD	PLYWOOD	SLNT	SEALANT	WI	WROUGHT IRON
& AND		CONSTR CONSTRUCTION	CONNECTION CONSTRUCTION	FIN FINISH(ED)	FLATHEAD WOOD SCREW	LLH LONG LEG HORIZONTAL	LOCKWASHER LONG LEG HORIZONTAL	PNEU PNEUMATIC	PNEU PNEUMATIC	SLV SLEEVE	SLEEVE	WID WIDTH, WIDE	WID WIDTH, WIDE
/ ANGLE		CONT CONTINUOUS (ATION)	CONTRACT(OR)	FJT FLUSH JOINT	FLUSH JOINT	LLV LONG LEG VERTICAL	LONG LEG VERTICAL	PNL PANEL	PANEL	SMACNA SHEET METAL AND AIR	SHEET METAL AND AIR	WLD WELD(ED)	WLD WELD(ED)
@ AT		COORD COORDINATE	COORD(OR)	FLG FLASH	FLASH(ING)	LMST LIMESTONE	LIMESTONE	PNT PAINT(ED)	PAINT(ED)		CONDITIONING CONTRACTORS	WP WIRE MESH	WP WIRE MESH
CL CENTERLINE		CORR CORR	COORDINATE	FLDG FOLDING	FOLDING	LNDSCLP LANDSCAPE(D)	LANDSCAPE(D)	POL POLISHED	POLISHED	SMLS SEAMLESS	NATIONAL ASSOCIATION	WPT WORKING POINT	WPT WORKING POINT
[ CHANNEL		CPR COPPER	COORDINATE	FLR FLOOR	FLOOR	LNTL LINTEL	LINTEL	POLY POLYETHYLENE	POLYETHYLENE	SND SANITARY NAPKIN DISPENSER	SEAMLESS	WR WIRE ROPE	WR WIRE ROPE
Ø DIAMETER OR ROUND		CPRS COMPRESS(ED), (ION), (IBLE)	COORDINATE	FLUOR FLUORESCENT	FLUORESCENT	LP LIGHTPROOF	LIGHTPROOF	PORC PORCELAIN	PORCELAIN	SNDINS SOUND INSULATION	SANITARY NAPKIN DISPOSAL	WS WOOD SCREW	WS WOOD SCREW
(E) EXISTING		CPT CARPET(ED)	COORDINATE	FN FIELD NAILING	FIELD NAILING	LPT LOW POINT	LOW POINT	PR PORC	PAIR	SNDU SANITARY NAPKIN DISPOSAL	UNIT	WSCT WAINSCOT	WSCT WAINSCOT
(N) NEW		CRS COLD ROLLED STEEL	COORDINATE	FOC FACE OF CONCRETE	FACE OF CONCRETE	LT LIGHT	LIGHT	PRCST PRECAST	PRECAST	SPC SUSPENDED PLASTER CEILING	SEALANT	WT WEIGHT	WT WEIGHT
d PENNY (NAILS)		CS CAST STONE	COORDINATE	FOF FACE OF FINISH	FACE OF FINISH	LVL LEVEL(ER)	LEVEL(ER)	PREFAB PREFABRICATE(D)	PREFABRICATE(D)	SPD SOAP DISPENSER	SEALANT	WWF WELDED WIRE FABRIC	WWF WELDED WIRE FABRIC
⊥ PERPENDICULAR		CSG CASING	COORDINATE	FOG FACE OF GRID	FACE OF GRID	LVR LOUVER	LOUVER	PREFIN PREFINISHED	PREFINISHED	SPEC SPECIFICATION(S) (ED)	SUSPENDED PLASTER CEILING		
PL PLATE		CSK COUNTERSUNK	COORDINATE	FOM FACE OF MASONRY	FACE OF MASONRY	LW LIGHTWEIGHT CONCRETE	LIGHTWEIGHT CONCRETE	PREFMD PREFORMED	PREFORMED	SQ SQUARE	SOAP DISPENSER		
# POUND OR NUMBER		CSMT CASEMENT	COORDINATE	FOS FACE OF STUDS	FACE OF STUDS	LWIC LIGHTWEIGHT INSULATING CONCRETE	LIGHTWEIGHT INSULATING CONCRETE	PRKG PARKING	PARKING	SPRT SUPPORT	SPECIFICATION(S) (ED)	XBRACE CROSS BRACE	XBRACE CROSS BRACE
		CSWK CASEWORK	COORDINATE	FPL FIREPLACE	FIREPLACE			PRLM PREMOLDED	PREMOLDED	SST STAINLESS STEEL	SUPPORT	XFMR TRANSFORMER	XFMR TRANSFORMER
		CT CERAMIC TILE	COORDINATE	FPRF FIREPROOF(ING)	FIREPROOF(ING)			PROJ PROJECT	PROJECT	STA STATION	SQUARE	XSECT CROSS SECTION	XSECT CROSS SECTION
		CTB CERAMIC TILE BASE	COORDINATE	FRTW FIRE RETARDANT TREATED WOOD	FIRE RETARDANT TREATED WOOD			PROP PROPERTY	PROPERTY	STAG STAGGERED	SEE STRUCTURAL DRAWING	YCO YARD CLEANOUT	YCO YARD CLEANOUT
		CTF CERAMIC TILE FLOOR	COORDINATE	FRZ FREEZER	FREEZER			PSCONC PRESTRESSED CONCRETE	PRESTRESSED CONCRETE	STC STANDARD	SERVICE SINK	YD YARD	YD YARD
		CTG COATING	COORDINATE	FS FAR SIDE	FAR SIDE			PT POINT	POINT	STD STANDARD	STAINLESS STEEL		
		CTR CENTER	COORDINATE	FSTN FASTEN, FASTENER	FASTEN, FASTENER			PTCONC POST TENSIONED CONCRETE	POST TENSIONED CONCRETE	STG SEATING	STATION		
		CUFT CUBIC FOOT	COORDINATE	FT FOOT OR FEET	FOOT OR FEET			PTD PAPER TOWEL DISPENSER	PAPER TOWEL DISPENSER	STIF STIFFENER	STAGGERED		
		CUIN CUBIC INCH	COORDINATE	FTG FOOTING	FOOTING			PTN PARTITION	PARTITION	STIR STIRRUP	STATION		
		CUST CUSTODIAN	COORDINATE	FURG FURRED (ING)	FURRED (ING)			PTR PAPER TOWEL RECEPTOR	PAPER TOWEL RECEPTOR	STL STEEL	STAGGERED		
		CUYD CUBIC YARD	COORDINATE	FUT FUTURE	FUTURE			PVC POLYVINYL CHLORIDE	POLYVINYL CHLORIDE	STOR STORAGE	STATION		
				FWC FABRIC WALL COVERING	FABRIC WALL COVERING			PVMT PAVEMENT	PAVEMENT	STR STRAIGHT	STATION		
								QT QUARRY TILE	QUARRY TILE	ST STRUCTURAL	STATION		
								QTB QUARRY TILE BASE	QUARRY TILE BASE	STU STRUCT	STATION		
								QTF QUARRY TILE FLOOR	QUARRY TILE FLOOR	SUSP SUSPENDED	STATION		
								QTR QUARTER	QUARTER	SV SHEET VINYL	STATION		
								QTY QUANTITY	QUANTITY	SYMM SYMMETRICAL	STATION		
										SYNTH SYNTHETIC	STATION		
										SYS SYSTEM	STATION		
										T TREAD	STATION		
										T & B TOP AND BOTTOM	STATION		
										TB THRU BOLT	STATION		
										TBE THREADED BOTH ENDS	STATION		
										TBM TEMPORARY BENCH MARK	STATION		
										TD TOWEL DISPENSER	STATION		
										TDR TOWEL DISPENSER/RECEPTACLE	STATION		
										TEL TELEPHONE	STATION		
										TEMP TEMPORARY	STATION		
										TER TERRAZZO	STATION		
										TFA TO FLOOR ABOVE	STATION		
										TFB TO FLOOR BELOW	STATION		
										T & G TONGUE & GROOVE	STATION		
										THD THREAD(ED)	STATION		
										THERM THERMAL	STATION		
										THK THICK(NESS)	STATION		
										THRES THRESHOLD	STATION		
										TKBD TACKBOARD	STATION		
										TMPD TEMPERED	STATION		
										TOB TOP OF BEAM	STATION		
										TOC TOP OF CURB	STATION		
										TOF TOP OF FOOTING	STATION		
										TOFF TOP OF FINISH FLOOR	STATION		
										TOJ TOP OF JOIST	STATION		
										TOL TOLERANCE	STATION		
										TOM TOP OF MASONRY	STATION		
										TOP TOP OF PARAPET	STATION		
										TOPV TOP OF PAVEMENT	STATION		
										TOS TOP OF SHEATHING	STATION		
										TOST TOP OF SLAB	STATION		
										TOW TOP OF STEEL	STATION		
										TOW TOP OF WALL	STATION		
										TPD TOILET PAPER DISPENSER	STATION		
										TPTN TOILET PARTITION	STATION		
										TS TUBE STEEL	STATION		
										TWLB TOWEL BAR	STATION		
										TV TELEVISION	STATION		
										TYP TYPICAL	STATION		
										UC UNDERCUT	STATION		
										UGND UNDERGROUND	STATION		
										UL UNDERWRITERS LABORATORY	STATION		
										UNFIN UNFINISHED	STATION		
										UR UNLESS OTHERWISE NOTED	STATION		
										VAR VARIES	STATION		
										VB VINYL BASE	STATION		
										VCT VINYL COMPOSITION TILE	STATION		
										VERT VERTICAL	STATION		
										VEST VESTIBULE	STATION		
										VFAT VINYL FACED ACOUSTIC TILE	STATION		
										VIF VERIFY IN FIELD	STATION		
										VJ V-JOINT(ED)	STATION		
										VNR VENEER	STATION		
										VR VAPOR RETARDER	STATION		
										VTR VENT THROUGH ROOF	STATION		
										VWC VINYL WALL COVERING	STATION		
										W/ WITH	STATION		
										W/W WALL TO WALL	STATION		
										W/O WITHOUT	STATION		
										W WEST	STATION		
										WBL WOOD BLOCKING	STATION		
										WC WATER CLOSET	STATION		
										WD WOOD	STATION		
										WDP WOOD PANELING	STATION		
										WDW WINDOW	STATION		
										WF WIDE FLANGE	STATION		
										WFS WOOD FURRING STRIP	STATION		
										WGL WIRED GLASS	STATION		
										WH WALL HUNG	STATION		

### DRAWING LEGEND

**DETAIL CALLOUT**

**MAIN TITLES**

**BUILDING SECTION**

**WALL SECTION**

**ELEVATION**

**GRID LINE**

**FIRE EXTINGUISHER ON STEEL BRACKET**

**REVISION DELTA**

**MATCHLINE**

**ROOM IDENTIFICATION**

**LOBBY = ROOM NAME**

**A230 = AREA IDENTITY**

**9/A8.6 = INT. ELEV DESIGNATION AND DWG NUMBER WHERE ELEV. IS SHOWN**

**A,B,C OR D = ELEV IDENTITY NUMBER NUMBER POINTS TO WALL SHOWN IN ELEV.**

**STEEL(LARGE SCALE)**

**PLYWOOD**

**WOOD FRAMING**

**BLOCKING**

**FINISHED WOOD**

**BATT INSULATION**

**RIGID INSULATION**

**SHORING**

**VAPOR BARRIER**

**STUD WALLS**

**GRAVEL**

**EARTH**

**GYP BOARD**

**CONCRETE IN ELEV.**

**STRUCTURAL CONCRETE**

**CONCRETE BLOCK**

**STUD WALL**

**METAL LATH**

**INTERNATIONAL SYMBOL FOR ACCESSIBILITY (INDICATES ACCESSIBLE EQUIPMENT OR FIXTURES)**

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APP: 02-118588 INC.  
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REGISTERED LANDSCAPE ARCHITECT  
WIRE BARRIERS ARCHITECT  
EXPIRATION DATE: JULY 2021

CONSULTANT

REGISTERED ARCHITECT  
WIRE BARRIERS ARCHITECT  
No. C 30345  
Ren. 9/30/21

SHEET TITLE

**ABBREVIATIONS, LEGENDS AND MATERIALS**

PROJECT NAME

**MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS**

PROJECT ADDRESS

**7501 CARRIAGE DRIVE  
CITRUS HEIGHTS, CA  
95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
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DSA BACKCHECK SUBMITTAL	01/20/2021

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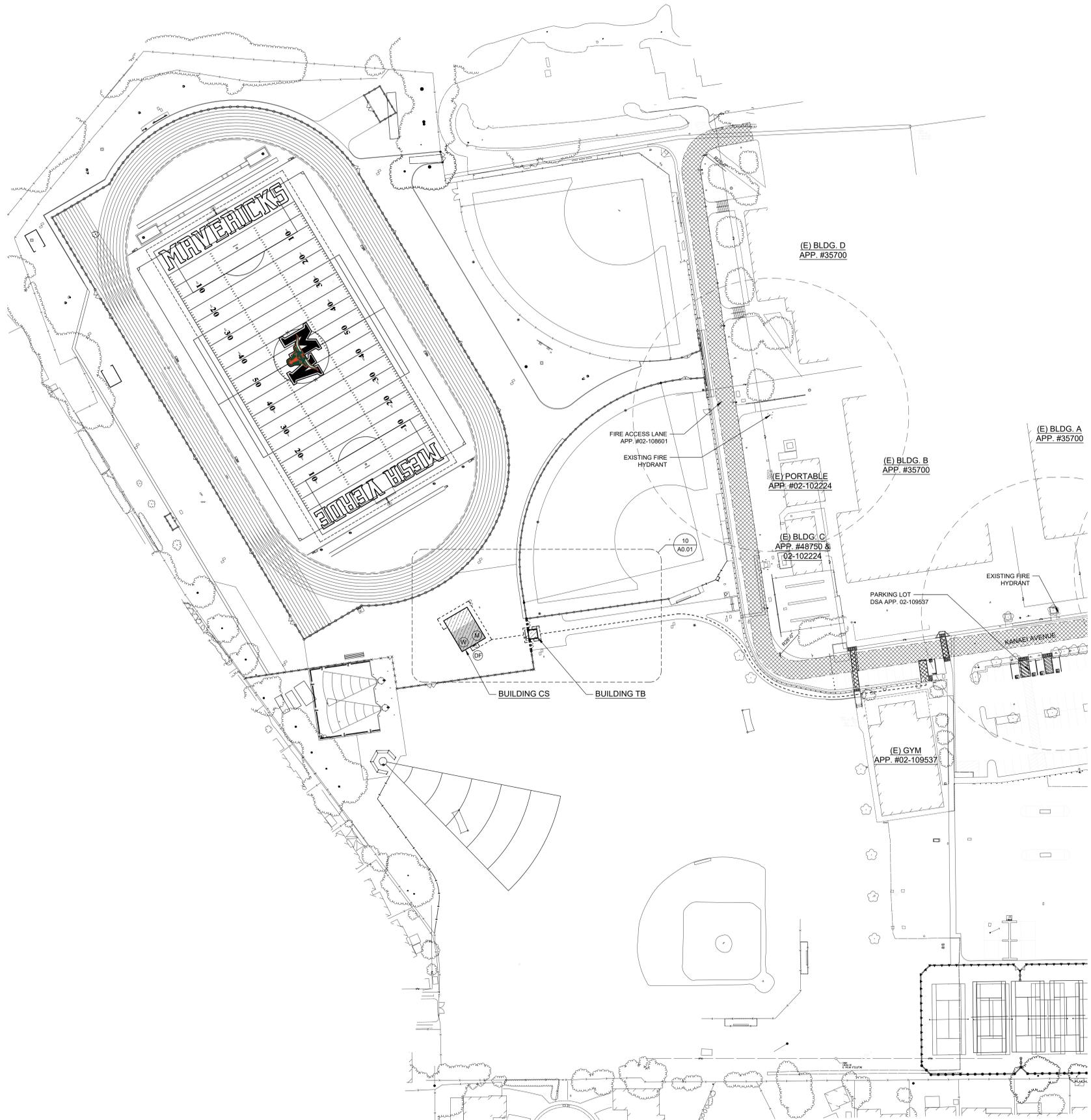
DATE ISSUED: **01/20/2021** SCALE: **AS NOTED**

PROJ. NO.: **1819500**

SHEET NO.: **T2.01**

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**DSA PR-1501**

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 THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTION OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH CBC AS PART OF THIS PROJECT BY MEANS OF A "CONSTRUCTION CHANGE DOCUMENT" (FORM DSA 140).

**GENERAL NOTES**

- ALL SIDEWALKS ALONG THE ACCESSIBLE ROUTE TO BE A MINIMUM OF 4'-0" WIDE, AND THERE SHALL BE NO DROP-OFFS OVER 4" AT EDGE OF WALK OR LANDING. WHERE A 4" DROP-OFF DOES OCCUR, PROVIDING A 6" HIGH WARNING CURB OR GUARD OR HANDRAIL (SEE CBC SECTION 11B-303.5)
- GATES ALONG ACCESSIBLE ROUTE SHALL MEET DOOR REQUIREMENTS PER CBC SECTION 11B-404 INCLUDING PANIC HARDWARE AND 10" MIN. SMOOTH BOTTOM OR KICK PLATE.
- FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN IN THE PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW.

**PATH OF TRAVEL**

ACCESSIBLE PATH OF TRAVEL AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

**CODE ANALYSIS**

1. BUILDING CONDITION	NEW BUILDINGS	
	CONCESSION STAND	TICKET BOOTH
A. BUILDING (BY NAME)	B	B
AREAS (BY OCCUPANCY GROUP) TABLE 503		
(a) FIRST FLOOR (GROUND)	1,160 SF	100 SF
(b) OTHER (ROOF OVERHANG)	321 SF	92 SF
(d) TOTAL FLOOR AREA	1,418 SF	192 SF
B. BUILDING HEIGHT	14'-3"	10'-8"
C. NO. OF STORIES	1	1
2. TYPE OF CONSTRUCTION CONSIDERED	TYPE V-B	TYPE V-B
A. FLOOR AREA	9,000 SF	9,000 SF
(1) AT: TABULAR AREA PER STORY IN ACCORDANCE WITH TABLE 506.2 (AT = NS)		
(2) AT*F: FRONTAGE INCREASE (SECTION 506.3)	NOT USED	NOT USED
(3) AT*IS: AUTOMATIC FIRE SPRINKLER INCREASE (SECTION 506.3)	NOT USED	NOT USED
MAXIMUM ALLOWANCE AREA (SQ FT) PER STORY [A <sub>a</sub> = A <sub>t</sub> + (A <sub>t</sub> x I <sub>f</sub> ) + (A <sub>t</sub> x I <sub>s</sub> )	NOT USED	NOT USED
B. ALLOWABLE HEIGHT (TABLE 504.3) (FT.) NOT SPRINKLERED	40	40
C. NUMBER OF STORIES ALLOWED (TABLE 504.4)	1	1
AUTOMATIC SPRINKLER SYSTEM TO SUBSTITUTE FOR 1HR. CONSTRUCTION (903.1.1)	NOT USED	NOT USED
AREA RATIOS - ACTUAL / ALLOWABLE	1,481 / 9,000 = 0.16 < 1 = OK	2,112 / 9,000 = 0.23 < 1 = OK

\*\* NON-SEPARATED OCCUPANCIES PER CBC 508.3 THEREFORE NO SEPARATION OF OCCUPANCIES

**3. TYPE OF CONSTRUCTION SELECTED:**

**LEGEND**

- (E) BUILDING, NOT UNDER SCOPE OF WORK
- BUILDINGS UNDER SCOPE OF WORK
- 20'-0" CLEAR FIRE ACCESS LANE
- BATHROOM FACILITIES
- WOMENS (M) MENS
- DRINKING FOUNTAIN
- ACCESSIBLE P.O.T. 5% SLOPE MAX AND 2% MAX CROSS SLOPE
- PROJECT PROPERTY LINE
- (E) FIRE HYDRANT

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CONSULTANT

**OVERALL NEW SITE PLAN**

PROJECT NAME  
**MESA VERDE  
 HIGH SCHOOL  
 ATHLETIC FACILITY  
 IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE  
 CITRUS HEIGHTS, CA  
 95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
DSA BACKCHECK SUBMITTAL	01/20/2021

NO.	REVISIONS	DATE

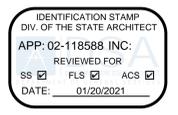
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 DATE ISSUED: **01/20/2021** SCALE: **AS NOTED**  
 PROJ. NO.: **1819500**

SHEET NO.  
**A0.00**

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**REFERENCE KEYNOTES**

- 02 01 00.03 - EXISTING LANDSCAPING TO REMAIN
- 02 01 00.04 - EXISTING FENCING TO REMAIN, SEE CIVIL DWGS.
- 32 13 00.01 - NEW CONCRETE PAVING, SEE CIVIL DWGS.
- 32 31 13.01 - 6'-0" CHAIN LINK FENCE, SEE CIVIL DWGS.
- 32 31 13.02 - 3'-0" CHAIN LINK SINGLE GATE, SEE CIVIL DWGS.
- 32 31 13.03 - 6'-0" CHAIN LINK DOUBLE GATE, SEE CIVIL DWGS.
- 32 31 13.04 - 42" CHAIN LINK SLIDING GATE, SEE CIVIL DWGS.



**GENERAL NOTES**

1. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON CONCRETE PAVING.
2. SEE CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION ON UNDERGROUND UTILITIES, SITE FEATURES, GRADING AND PAVING.
3. FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW.
4. OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004, TABLE 1004.5.



**OCCUPANT LOAD SCHEDULE**

PER CBC 2019 TABLE 1004.5

SPACE USE	OCCUPANT LOAD FACTOR SF / OCCUPANT
BUSINESS AREAS	150 GROSS
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS

**EXIT WIDTH CALCULATIONS**

CONCESSION STAND	EXIT WIDTH REQUIRED	EXIT WIDTH PROVIDED
EXIT 102A	5 x 20 = 10'	36"
TICKET BOOTH	EXIT WIDTH REQUIRED	EXIT WIDTH PROVIDED
EXIT 105A	1 x 20 = 2'	36"

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS:  
NUMBER OF EXITS SHOWN COMPLY WITH THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 1008.2. WHEN THERE ARE MORE THAN ONE REQUIRED EXIT, THE EXITS SHALL BE LOCATED PER SECTION 1007, EXCEPTION 2. NO EXIT DOOR SHALL BE LESS THAN 32" CLEAR WIDTH.

**PARKING STALL SUMMARY**

STALLS PROVIDED	208
ACC. STALLS REQUIRED	7
ACC. STALLS PROVIDED	11
VAN ACC. STALLS REQUIRED	2
VAN ACC. STALLS PROVIDED	6

NOTES:  
1. PER TABLE 11B-208.2 OF THE CBC.

**EXIT PLAN LEGEND**

- ROOM NAME
- AREA
- LOAD
- (111)
- DIRECTION OF PATH OF EGRESS
- OCCUPANT LOAD
- ACCESSIBLE P.O.T. 5% SLOPE MAX AND 2% MAX CROSS SLOPE APP. #02-000000

SHEET TITLE

**ENLARGED SITE PLAN**

PROJECT NAME

**MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS**

PROJECT ADDRESS

**7501 CARRIAGE DRIVE CITRUS HEIGHTS, CA 95621**

SUBMITTAL

50% SUBMITTAL 08/13/2020

DSA SUBMITTAL 10/15/2020

DSA BACKCHECK SUBMITTAL 01/20/2021

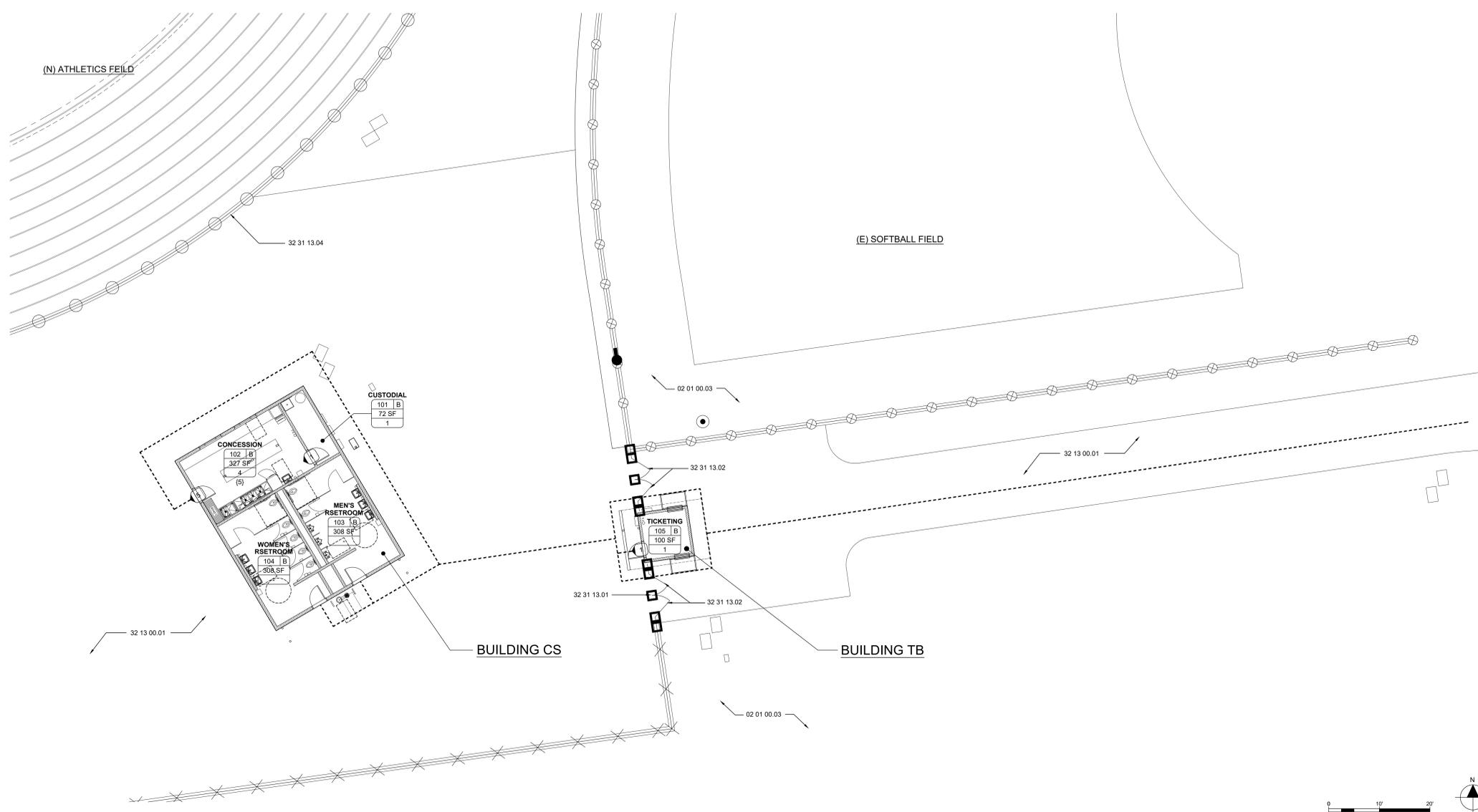
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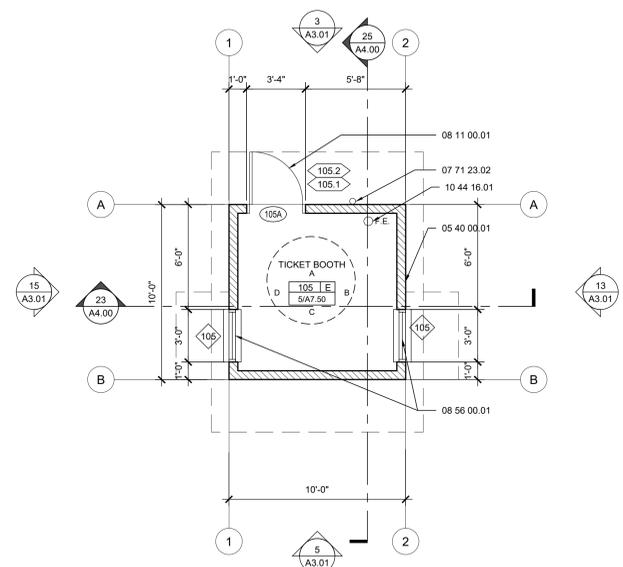
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PROJ. NO. 1819500

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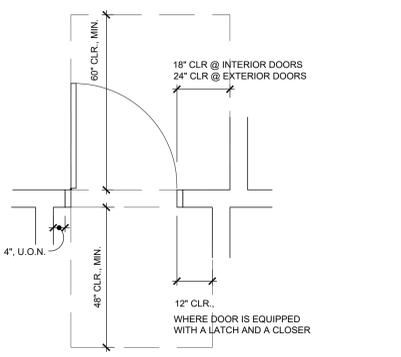


**ENLARGED SITE PLAN** 1" = 20'-0" 10



TICKET BOOTH FLOOR PLAN 1/4" = 1'-0" 17

TYPICAL DOOR CLEARANCE

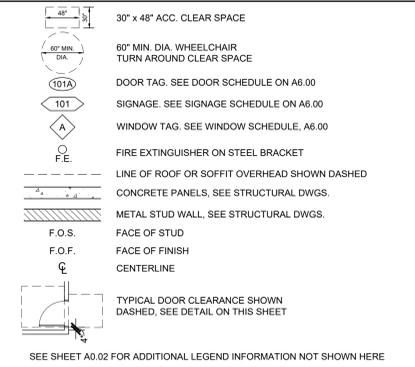


1. ALL DIMENSIONS TO WALL ARE TO FACE OF FRAMING, U.O.N.
2. REFER TO STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS AND DIMENSIONS.
3. REFER TO WINDOW AND DOOR DETAILS FOR LOCATION OF JAMB & HEADER STEEL.

GENERAL NOTES

1. SEE SHEETS A0.00, A0.01 FOR CODE DATA AND ANALYSIS
2. FOR ACC. DOOR, DOOR CLEARANCES AND THRESHOLD REQUIREMENTS SEE TYPICAL DOOR CLEARANCE THIS SHEET AND DETAIL 9/AS.10
3. SEE SHEET 17.00 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
4. ALL DIMS. ARE TO GRID LINES, FACE OF STUD OR FACE OF WALL FOR EXTERIOR WALLS AND TO FACE OF STUD FOR INTERIOR WALLS, U.O.N.
5. SEE SHEET A8.00 FOR WALL TYPES AND TYPICAL WALL DETAILS.
6. ALL INTERIOR PARTITIONS ARE FULL HT. TO UNDERSIDE OF STRUCTURE, U.O.N.
7. SEE SHEET A8.00 FOR DOOR/ OPENING TYPES AND SCHEDULE.
8. SEE SHEET A8.00 FOR WINDOW TYPES, ELEVATIONS AND SCHEDULE
9. SEE SHEETS A10.91 AND A10.92 FOR CEILING DETAILS
10. ALL NEW INTERIOR WALLS TO RECEIVE SOUND BATT INSULATION, FULL STUD DEPTH, R-15 MIN.
11. USE ABUSE-RESISTANT GYPSUM BOARD AT ALL INTERIOR WALLS UP TO 8'-0"
12. AT ALL WET LOCATIONS INCLUDING TOILET ROOMS USE MOISTURE RESISTANT GYPSUM BOARD
13. REFER TO WALL TYPES FOR CURB LOCATIONS AND CURB WIDTHS. ALL RESTROOM PERIMETER WALLS, RESTROOM PLUMBING WALLS AND INTERIOR WALLS TO HAVE CURBS
14. FOR BUILDING SIGNAGE SCHEDULE. SEE SHEET A8.00
15. ALL PENETRATIONS 12" OR LARGER TO BE CAST AT THE PRE-CAST MANUFACTURER'S PLANT AND WILL BE COORDINATED WITH THE ENGINEER OF RECORD AND THE PRE-CAST CONCRETE ENGINEER PRIOR TO CASTING
16. ALL PENETRATIONS SMALLER THAN 12" SHALL BE CORED IN THE FIELD AND COORDINATED WITH THE ENGINEER OF RECORD AND THE PRE-CAST CONCRETE ENGINEER PRIOR TO CORING. PRE-CAST ENGINEER TO REVIEW LOCATIONS TO ENSURE THE PENETRATIONS ARE NOT GOING THROUGH FLEXURAL REINFORCEMENT.

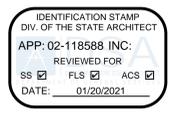
LEGEND



SEE SHEET A0.02 FOR ADDITIONAL LEGEND INFORMATION NOT SHOWN HERE

REFERENCED KEYNOTES

- |             |  |
|-------------|--|
| 03 40 00.01 | PRECAST CONCRETE PANELS, SEE STRUCTURAL DRAWINGS   |
| 05 40 00.01 | METAL STUD, SEE STRUCTURAL DWGS.   |
| 05 50 00.01 | DRINKING FOUNTAIN SAFETY RAILS (SEE DTL. M & N/L-112)  |
| 06 41 00.01 | STAINLESS STEEL COUNTERTOP, SEE FOOD SERVICE DWGS.   |
| 07 71 23.02 | 4" SCHEDULE 40 GALVANIZED PIPE DOWNSPOUT (SEE DTL. 17 & 19/A4.20)  |
| 08 11 00.01 | METAL DOOR AND FRAME, SEE SPECIFICATIONS   |
| 08 56 00.01 | TICKET BOOTH WINDOW WITH TRAY, WEEP HOLES AND SECURITY SCREEN  |
| 08 56 00.02 | SELF-CLOSING CONCESSION STAND PASS THRU WINDOW   |
| 10 21 13.01 | SOLID COLOR REINFORCED COMPOSITE TOILET COMPARTMENT (SEE DTL. 10 & 12/A8.30)                             |
| 10 21 13.02 | SOLID COLOR REINFORCED COMPOSITE URINAL SCREEN W/ FLOOR-TO-CEILING SUPPORT POST (SEE DTL. 10 & 13/A8.30) |
| 10 26 00.01 | STAINLESS STEEL CORNER GUARDS (SEE DTL. 8/A8.22)   |
| 10 28 00.01 | ACCESSIBLE STALL TOILET PAPER DISPENSER (SEE DTL. 4/A8.30)   |
| 10 28 00.02 | STANDARD STALL TOILET PAPER DISPENSER (SEE DTL. 4/A8.30)   |
| 10 28 00.03 | SURFACE MOUNTED TOILET SEAT COVER DISPENSER (SEE DTL. 4/A8.30)   |
| 10 28 00.05 | SURFACE MOUNTED LIQUID SOAP DISPENSER (SEE DTL. 4/A8.30)   |
| 10 28 00.06 | 18" X 30" MIRROR (SEE DTL. 4/A8.30)  |
| 10 28 00.07 | 1 1/2" DIAMETER STAINLESS STEEL GRAB BAR (SEE DTL. 5 & 4/A8.30)  |
| 10 28 00.08 | SURFACE MOUNTED SANITARY NAPKIN DISPOSAL (SEE DTL. 4/A8.30)  |
| 10 28 00.11 | ELECTRIC HAND DRYERS, VERDRODY MODEL Q-974A BY WORLD DRYER   |
| 10 44 16.01 | FIRE EXTINGUISHER ON STEEL BRACKET, MAX. 4" PROTRUSION IF BOTTOM IS ABOVE 27" A.F.F. (SEE DTL. 6/A8.22)  |
| 11 40 00.01 | STORAGE SHELVES, SEE FOOD SERVICE DWGS.  |
| 11 40 00.02 | REACH IN REFRIGERATOR, SEE FOOD SERVICE DWGS.  |
| 11 40 00.03 | THREE COMPARTMENT SINK, SEE FOOD SERVICE DWGS.   |
| 11 40 00.04 | WALL MOUNTED SHELF, SEE FOOD SERVICE DWGS.   |
| 11 40 00.05 | AIR CURTAIN - UNHEATED, SEE FOOD SERVICE DWGS.   |
| 11 40 00.06 | STAINLESS STEEL MOP HANGER (SEE PLUMBING DWGS)   |
| 11 40 00.07 | PREP SINK (SEE FOOD SERVICE & PLUMBING DWGS)   |
| 11 40 00.08 | ICE MAKER W/ BIN (SEE FOOD SERVICE DWGS)   |
| 22 33 00.01 | ELECTRIC WATER HEATER, SEE PLUMBING DWGS. DTL. 3/P0.2  |
| 22 40 00.01 | WATER CLOSET (SEE PLUMBING DWGS AND DTL. 15/A8.30)   |
| 22 40 00.02 | URINAL (SEE PLUMBING DWGS AND DTL. 4/A8.30)  |
| 22 40 00.03 | WALL HUNG LAVATORY (SEE PLUMBING DWGS AND DTL. 9 & 14/A8.30)   |
| 22 40 00.04 | SERVICE SINK (SEE PLUMBING DWGS AND DTL. 2/A8.22)  |
| 22 40 00.06 | FLOOR DRAIN, SEE 3/A8.22 AND PLUMBING DWGS., SLOPE TO DRAIN  |
| 22 40 00.08 | PEDESTAL DRINKING FOUNTAIN AND OUTDOOR JUG FILLER (SEE PLUMBING DWGS AND DTL. M & N/L-112)               |



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SHEET TITLE

DIMENSION FLOOR PLAN

PROJECT NAME

MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS

PROJECT ADDRESS

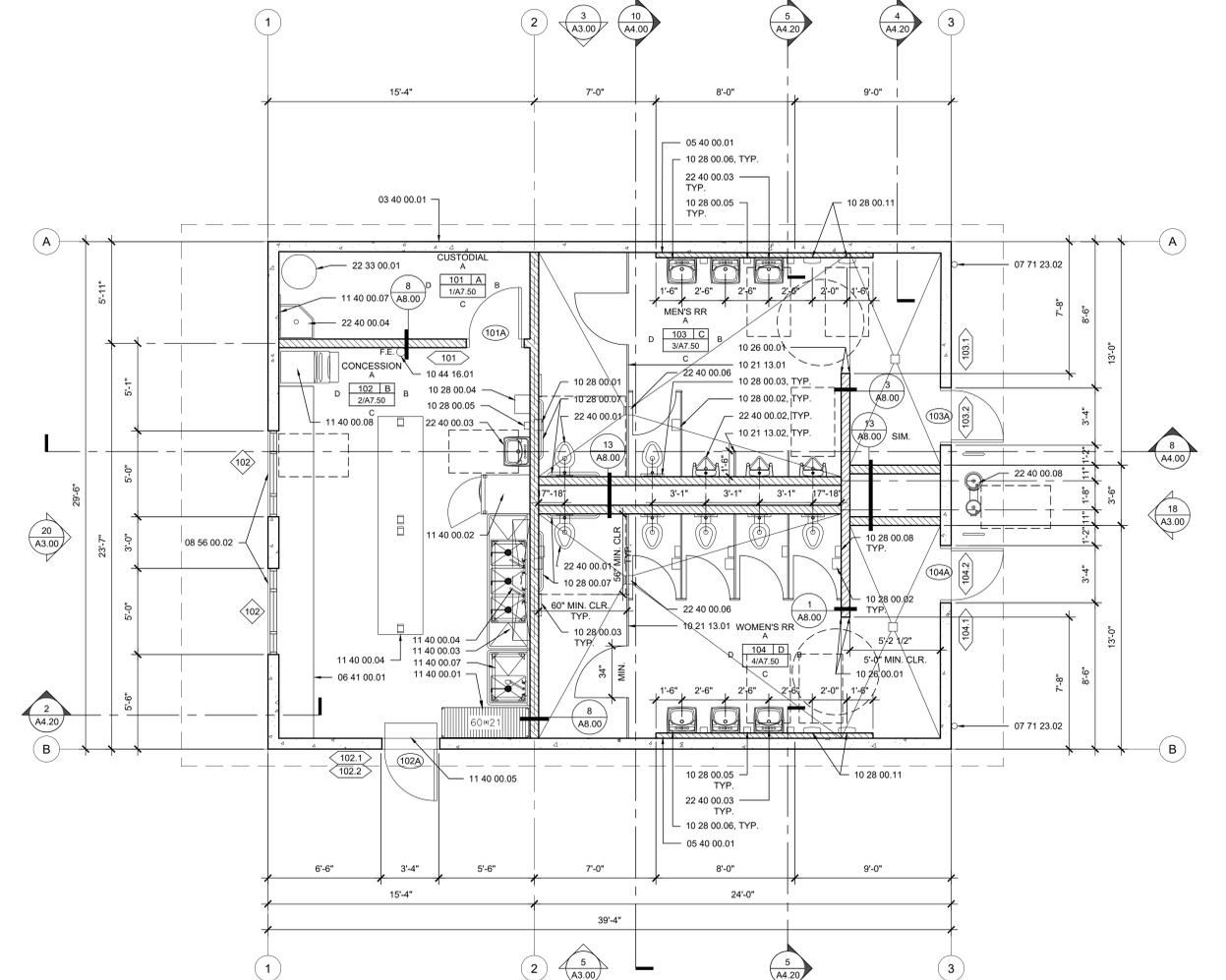
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SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
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NO.	REVISIONS	DATE

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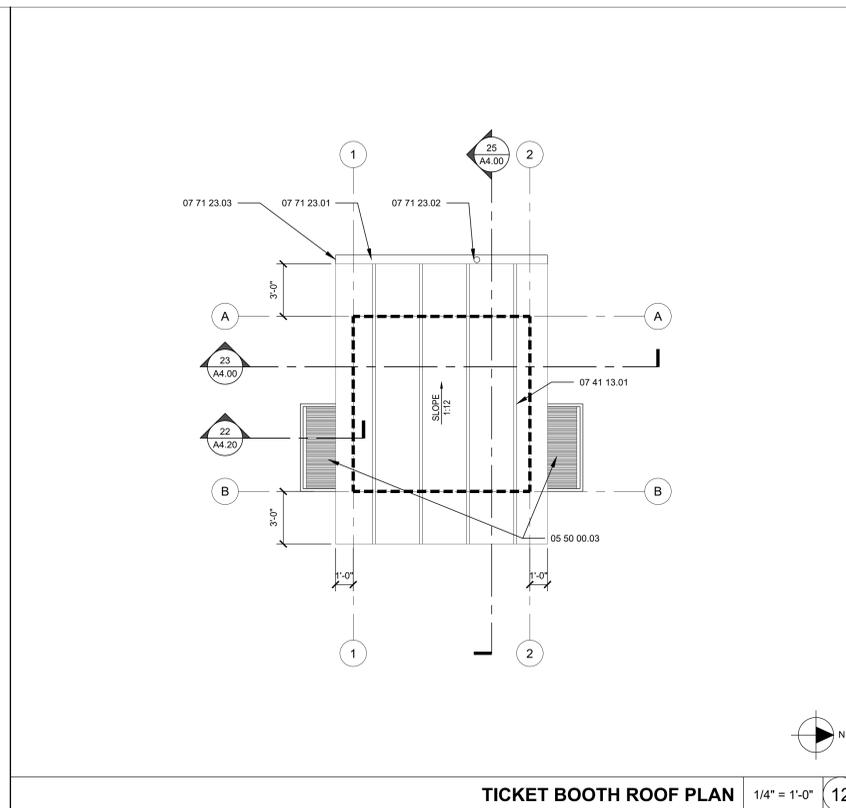
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CONCESSION / RESTROOM FLOOR PLAN 1/4" = 1'-0" 5

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**TICKET BOOTH ROOF PLAN** 1/4" = 1'-0" 12

**GENERAL NOTES**

- SEE SHEET A4.20 FOR EXTERIOR WALL SECTIONS AND ROOF DETAILS

**REFERENCE KEYNOTES**

- 05 50 00.03 - HOT DIPPED GALVANIZED FINISH & PAINTED METAL CANOPY. SEE 22/A4.20
- 07 41 13.01 - INSULATED METAL STANDING SEAM ROOF SYSTEM. SEE SHEET A8.21
- 07 71 23.01 - PREFINISHED 18 GA. GALVANIZED STEEL GUTTER TO MATCH ROOFING COLOR W/ 1/2" X 6" SLITS @ 36" O.C. TYP.
- 07 71 23.02 - 4" SCHEDULE 40 GALVANIZED PIPE DOWNSPOUT (SEE DTL 17 & 19/A4.20)
- 07 71 23.03 - OVERFLOW KNOCKOUT AT END OF GUTTER
- 22 40 00.07 - PLUMBING VENT, TYP. (SEE PLUMBING DWGS & DTL 8/A8.21)
- 23 34 00.01 - ROOF MOUNTED EXHAUST FAN. SEE MECH. DWGS. & DTL 12/A8.21
- 23 34 00.02 - ROOF MOUNTED EVAP. COOLER. SEE MECH. DWGS. & DTL 16/A8.21
- 23 34 00.03 - REFRIGERANT PIPING. SEE MECH. DWG. & 8/A8.21

**LEGEND**

- WALL LINE BELOW
- [Pattern] 24" x 48" ROOF WALKWAY PADS

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DATE: 01/20/2021



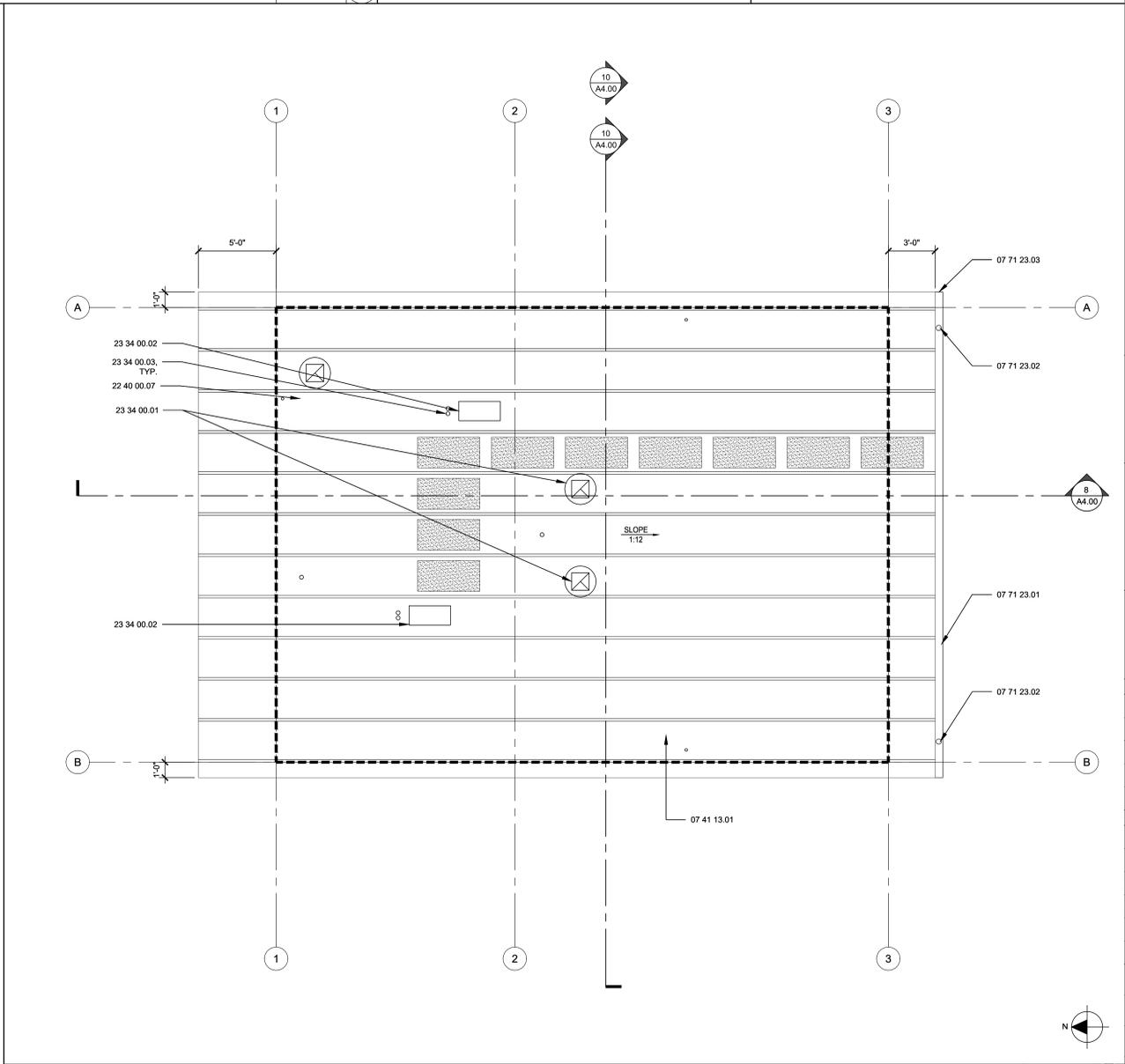
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**STORAGE / RESTROOM ROOF PLAN** 1/4" = 1'-0" 5

SHEET TITLE

**DIMENSION ROOF PLAN**

PROJECT NAME

**MESA VERDE  
HIGH SCHOOL  
ATHLETIC FACILITY  
IMPROVEMENTS**

PROJECT ADDRESS

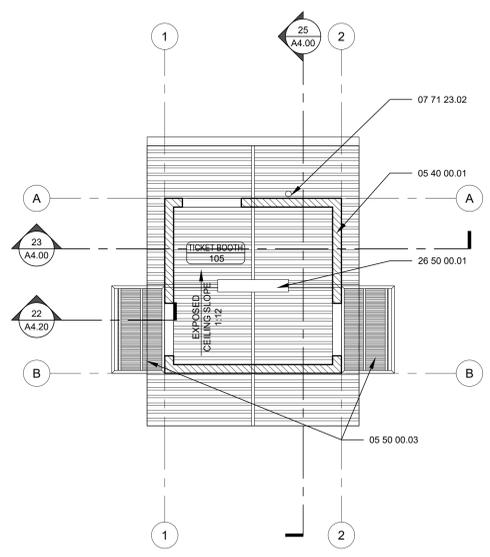
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95621**

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NO.	REVISIONS	DATE

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IB	BG
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01/20/2021	AS NOTED
PROJ. NO.	SHEET NO.
1819500	A1.10

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**TICKET BOOTH CEILING PLAN** 1/4" = 1'-0" 12

**LEGEND**

	ACOUSTICAL CEILING SYSTEM. SEE SHEET A10.91 AND A10.92 FOR ADDITIONAL INFORMATION.
	LIGHTING FIXTURE. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
	DIRECTION OF SLOPE, FROM HIGH POINT TO LOW POINT.
	WEATHERPROOF SECURITY CAMERA. SEE ELECTRICAL DRAWINGS.

**REFERENCE KEYNOTES**

05 40 00.01	- METAL STUD. SEE STRUCTURAL DWGS.
05 50 00.03	- HOT DIPPED GALVANIZED FINISH & PAINTED METAL CANOPY. SEE 22/A4.20
07 71 23.02	- 4" SCHEDULE 40 GALVANIZED PIPE DOWNPOUT (SEE DTL 17 & 19/A4.20)
09 53 00.01	- WASHABLE ACOUSTICAL CEILING SYSTEM
22 40 00.09	- THERMOSTATIC MIXING VALVE ABOVE (SEE PLUMBING DWGS)
23 34 00.01	- ROOF MOUNTED EXHAUST FAN, SEE MECH. DWGS. & DTL 12/A8.21
26 50 00.01	- SURFACE MOUNTED LIGHT FIXTURE, SEE ELEC. DWGS.
26 50 00.02	- LAY-IN LIGHT FIXTURE, SEE ELEC. DWGS.

**GENERAL NOTES**

- SEE SHEETS A10.91 & A10.92 FOR TYPICAL CEILING DETAILS.
- SEE SHEET A6.00 FOR FINISH SCHEDULE.
- SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SUPPORTS & BRACING.
- SEE STRUCTURAL DRAWINGS FOR ROOF FRAMING.
- SEE MECHANICAL AND PLUMBING DRAWINGS FOR DIFFUSERS AND PIPE CHASES.
- CEILING SYSTEM SHOULD BE COORDINATED WITH THE LIGHTING & ELECTRICAL PLANS.

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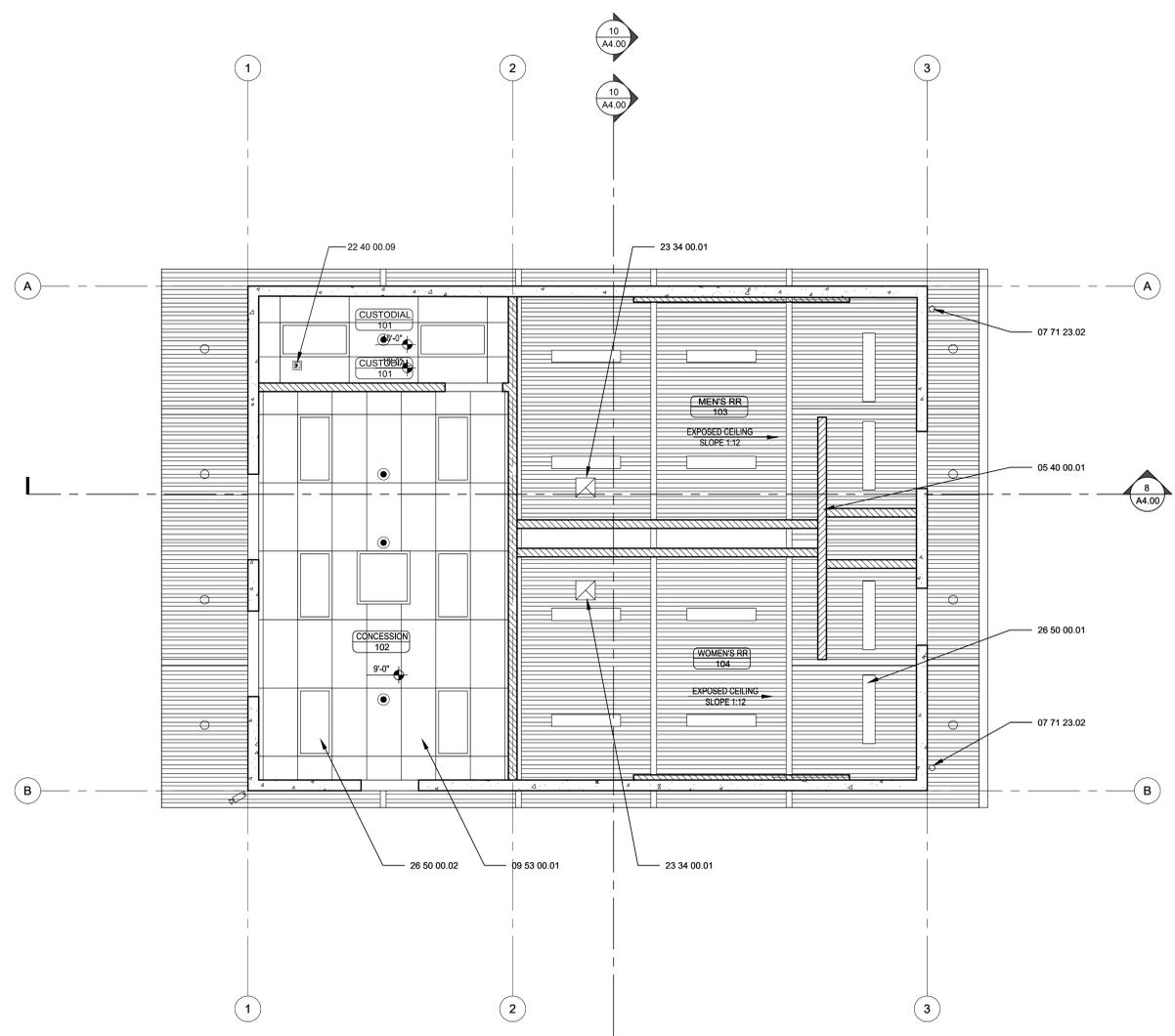
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REGISTERED LANDSCAPE ARCHITECT  
 MESA VERDE ARCHITECTS  
 No. 4082  
 EXPIRATION DATE: JULY 2021  
 STATE OF CALIFORNIA

CONSULTANT

LICENSED ARCHITECT  
 MESA VERDE ARCHITECTS  
 No. C 30345  
 Exp.: 9/30/21  
 STATE OF CALIFORNIA



**STORAGE / RESTROOM CEILING PLAN** 1/4" = 1'-0" 5

SHEET TITLE  
**REFLECTED CEILING PLAN**

PROJECT NAME  
**MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE CITRUS HEIGHTS, CA 95621**

SUBMITTAL	DATE
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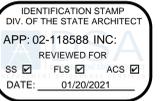
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DATE ISSUED <b>01/20/2021</b>	SCALE <b>AS NOTED</b>
PROJ. NO. <b>1819500</b>	SHEET NO. <b>A2.00</b>

**GENERAL NOTES**

- SEE PRECAST DRAWINGS FOR ADDITIONAL INFORMATION ON THE PRECAST CONCRETE PANELS

**REFERENCE KEYNOTES**

- 03 40 00.01 - PRECAST CONCRETE PANELS, SEE STRUCTURAL DRAWINGS
- 03 40 00.02 - PRECAST REVEAL, SEE STRUCTURAL DRAWINGS
- 03 40 00.03 - FILM MORE FLUTE, SEE STRUCTURAL DRAWINGS
- 05 50 00.01 - DRINKING FOUNTAIN SAFETY RAILS (SEE DTL. M & NL-112)
- 07 41 13.01 - INSULATED METAL STANDING SEAM ROOF SYSTEM, SEE SHEET A8.21
- 07 71 23.01 - PREFINISHED 18 GA. GALVANIZED STEEL GUTTER TO MATCH ROOFING COLOR W/ 1/2" X 6" SLITS @ 36" O.C. TYP.
- 07 71 23.02 - 4" SCHEDULE 40 GALVANIZED PIPE DOWNSPOUT (SEE DTL. 17 & 19/A4.20)
- 07 71 23.03 - OVERFLOW KNOCKOUT AT END OF GUTTER
- 08 11 00.01 - METAL DOOR AND FRAME, SEE SPECIFICATIONS
- 08 33 13.01 - MOTOR OPERATED COILING COUNTER DOOR AND GUIDES (SEE DTL. 18/A8.10)
- 08 56 00.02 - SELF-CLOSING CONCESSION STAND PASS THRU WINDOW
- 09 90 00.01 - PAINT - SURFACE FINISH PER SPECIFICATION
- 09 96 23.01 - GRAFFITI RESISTANT COATING ON EXTERIOR CONCRETE
- 22 40 00.05 - "HI-LO" ACCESSIBLE FOUNTAIN W/ BOTTLE FILLING STATION (SEE PLUMBING DWGS AND DTL. 10/A8.21, 1/A8.21)
- 22 40 00.08 - PEDESTAL DRINKING FOUNTAIN AND OUTDOOR JUG FILLER (SEE PLUMBING DWGS AND DTL. M & NL-112)

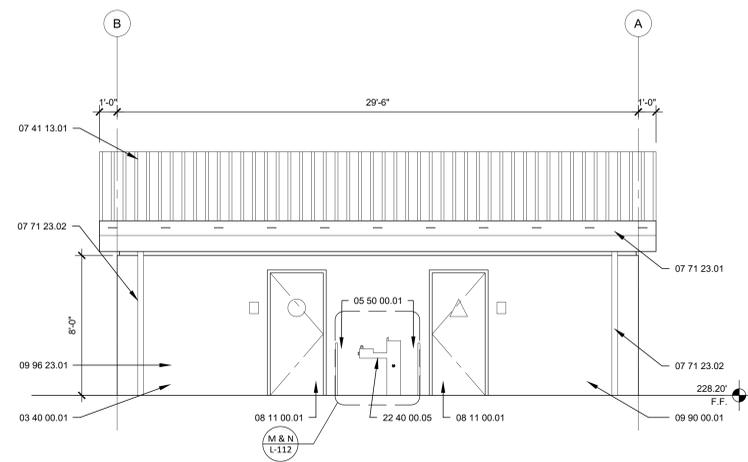


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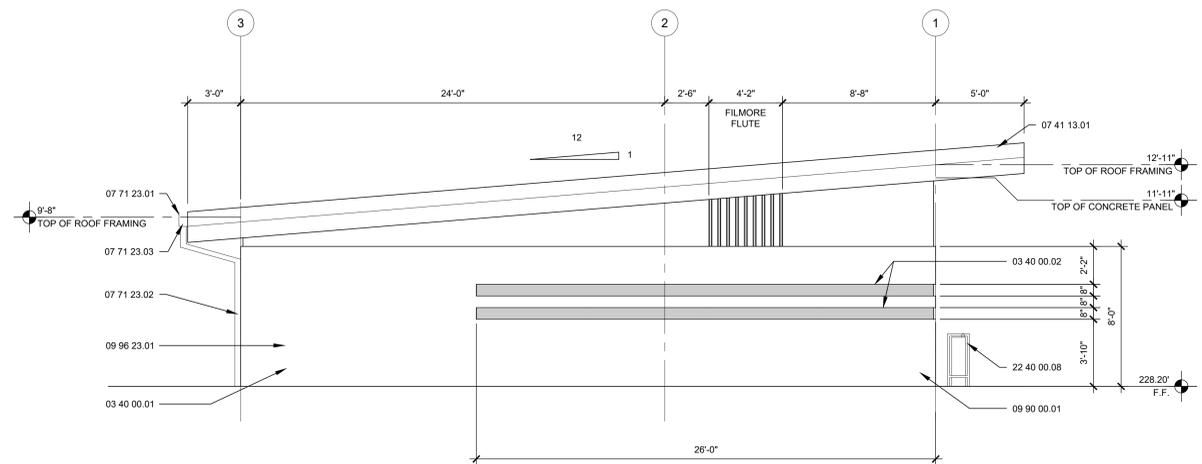
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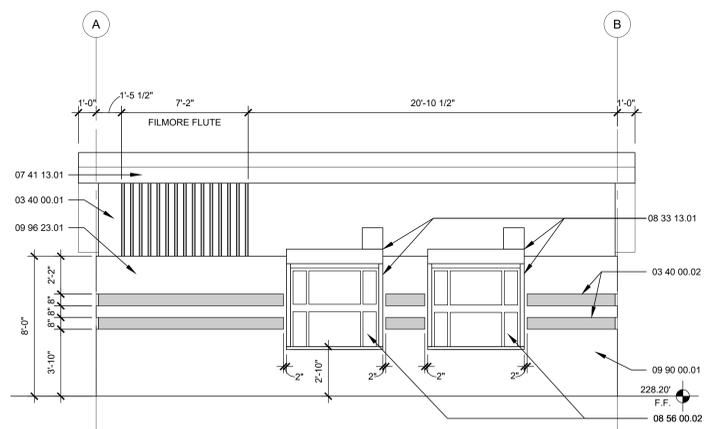
CONSULTANT



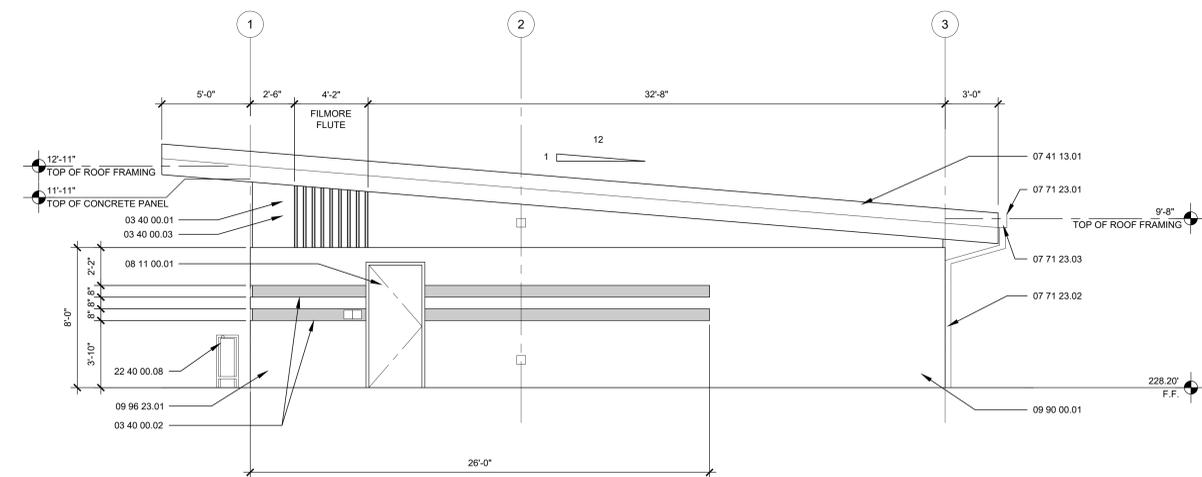
**SOUTH ELEVATION** 1/4" = 1'-0" **18**



**EAST ELEVATION** 1/4" = 1'-0" **3**



**NORTH ELEVATION** 1/4" = 1'-0" **20**



**WEST ELEVATION** 1/4" = 1'-0" **5**

SHEET TITLE

**EXTERIOR ELEVATIONS**

PROJECT NAME

**MESA VERDE  
 HIGH SCHOOL  
 ATHLETIC FACILITY  
 IMPROVEMENTS**

PROJECT ADDRESS

**7501 CARRIAGE DRIVE  
 CITRUS HEIGHTS, CA  
 95621**

SUBMITTAL	DATE
50% SUBMITTAL	08/13/2020
DSA SUBMITTAL	10/15/2020
DSA BACKCHECK SUBMITTAL	01/20/2021

NO.	REVISIONS	DATE

DRAWN BY <b>IB</b>	CHECKED BY <b>BG</b>
DATE ISSUED <b>01/20/2021</b>	SCALE <b>AS NOTED</b>
PROJ. NO. <b>1819500</b>	

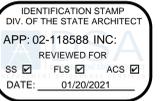
SHEET NO.  
**A3.00**

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GENERAL NOTES

REFERENCE KEYNOTES

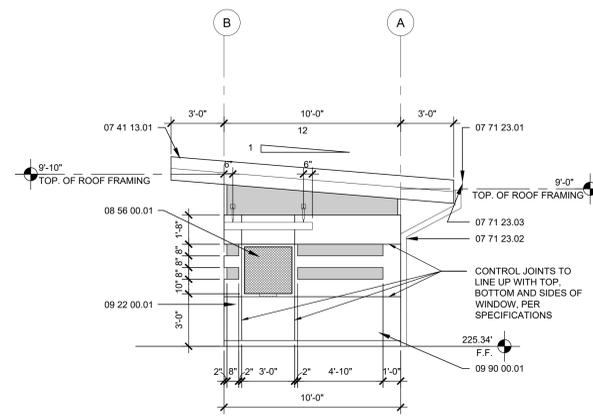
- 05 50 00.03 - HOT DIPPED GALVANIZED FINISH & PAINTED METAL CANOPY, SEE 22/A4.20
- 07 41 13.01 - INSULATED METAL STANDING SEAM ROOF SYSTEM, SEE SHEET A8.21
- 07 71 23.01 - PREFINISHED 18 GA. GALVANIZED STEEL GUTTER TO MATCH ROOFING COLOR W/ 1/2" X 6" SLITS @ 36" O.C. TYP.
- 07 71 23.02 - 4" SCHEDULE 40 GALVANIZED PIPE DOWNSPOUT (SEE DTL 17 & 19/A4.20)
- 07 71 23.03 - OVERFLOW KNOCKOUT AT END OF GUTTER
- 08 11 00.01 - METAL DOOR AND FRAME, SEE SPECIFICATIONS
- 08 56 00.01 - TICKET BOOTH WINDOW WITH TRAY, WEEP HOLES AND SECURITY SCREEN
- 09 22 00.01 - 3/4 LB EXPANDED METAL LATH AND THREE COAT INTEGRAL COLOR PLASTER SYSTEM
- 09 90 00.01 - PAINT - SURFACE FINISH PER SPECIFICATION



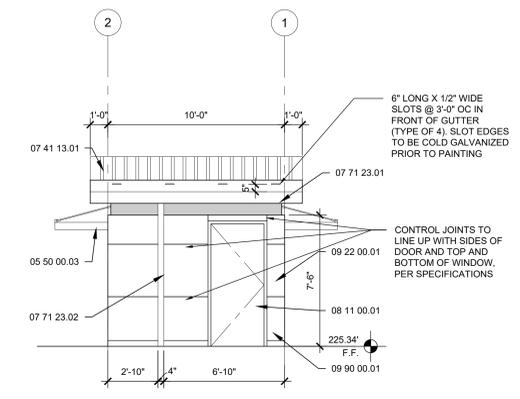
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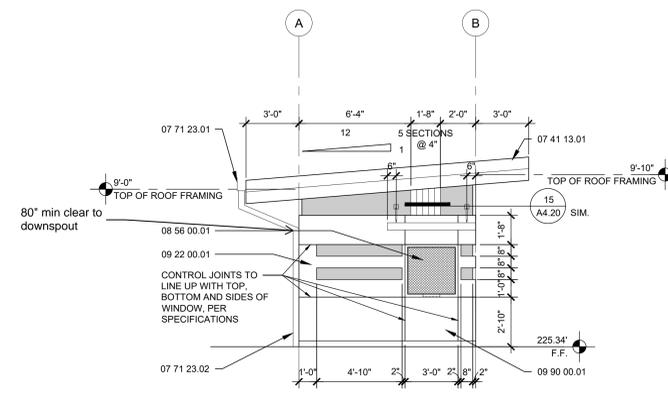
CONSULTANT



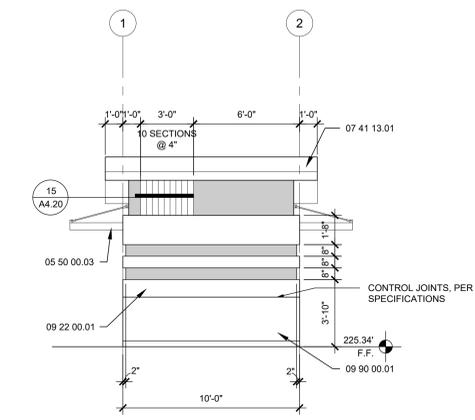
**NORTH ELEVATION** 1/4" = 1'-0" 13



**WEST ELEVATION** 1/4" = 1'-0" 3



**SOUTH ELEVATION** 1/4" = 1'-0" 15



**EAST ELEVATION** 1/4" = 1'-0" 5

SHEET TITLE  
**EXTERIOR ELEVATIONS**

PROJECT NAME  
**MESA VERDE HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS**

PROJECT ADDRESS  
**7501 CARRIAGE DRIVE CITRUS HEIGHTS, CA 95621**

SUBMITTAL	DATE
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