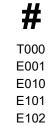


SCOPE OF WORK

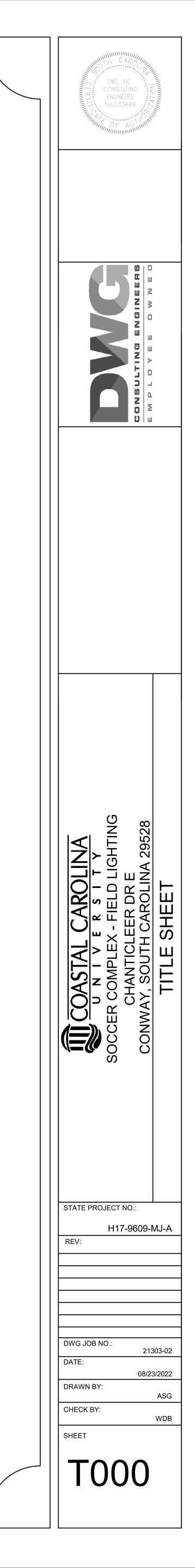
PROVIDE 75FC REGIONAL BROADCAST LIGHTING TO THE CURRENT RECREATIONAL SOCCER FIELD NEXT TO THE STEVENS TENNIS COMPLEX. A NEW SERVICE WILL BE ESTABLISHED FROM THE EXISTING TRANSFORMER SERVING THE TENNIS COMPLEX. PROVIDE STADIUM LIGHTING, SCOREBOARD, ROUGH-IN FOR TELECOMMUNICATIONS AND A FOOD TRUCK POWER PEDESTAL

SOCCER FIELD

SHEET INDEX SHEET NAME



TITLE SHEET ELECTRICAL NOTES, LEGENDS, SCHEDULES, & DETAILS ELECTRICAL ONE-LINE DIAGRAM & DETAILS SOCCER FIELD ELECTRICAL POWER SITE PLAN SOCCER FIELD SYSTEMS SITE PLAN



 B. EXTERIOR EQUIPMENT (INCLUE THE WIND PRESSURES DETERN C. WHERE DESIGN FOR SEISMIC A D. REFERENCE THE STRUCTURAL E. USE THE TABLE BELOW TO DET F. FOR ALL COMPONENTS REQUIP REGISTERED DESIGN PROFESS SIGNED DRAWINGS AND CALCU G. WHERE SEISMIC RESTRAINT IS CONTRACT MUST BE DESIGNED APPROVED SEISMIC SUBMITTA H. SEISMIC RESTRAINTS FOR DUC 	DING ROOF CURBS, RAILS, SU MINED IN ACCORDANCE WITH AND WIND LOADS IS REQUIRE DRAWINGS FOR SITE SPECI TERMINE SEISMIC RESTRAINT RING SEISMIC RESTRAINT, TH SIONAL REGISTERED IN THE ULATIONS. S REQUIRED, HOUSEKEEPING D BY THE SEISMIC ENGINEER AL. CTWORK, PIPING, CONDUIT, C T LOCATIONS ALONG WITH A ELECTRICAL COMPO 0 0 0 0 0 0 1.0 SEISMIC RESTRAINT REQUIREMENT RESTRAIN ALL	JPPORTS) EXP H CHAPTER 26 ED, THE MORE FIC INFORMAT T REQUIREMEN HE COMPONEN STATE THE JO PADS NEEDER COMPONENT IMPORT COMPANYING DNENT IMPORT WISE	DEMANDING FORCE MUST BE USED. TON ON SEISMIC DESIGN CATEGORY, WIND SPENTS FOR EACH COMPONENT. IT SUPPORTS AND ATTACHMENTS SHALL BE DE B IS LOCATED. SUBMITTALS MUST INCLUDE STAND O FOR THE INSTALLATION OF EQUIPMENT UNDER ANY HOUSEKEEPING PADS PRIOR TO THE RE AND BUS DUCT MUST BE SHOWN ON LAYOUT DF G DETAILS AND CALCULATIONS. TANCE FACTOR (Ip) DESIGNATION Ip = 1.5	ALLED TO RE EDS, ETC. SIGNED BY AMPED AND R THIS CEIPT OF T
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IDENTIFICATION ROOF MOUNTED FLOOR MOUNTED WALL MOUNTED COMPONENT SUPPORTS	SEISMIC RESTRAINT REQUIREMENT RESTRAIN ALL	NOTES	1.5	
ROOF MOUNTEDFLOOR MOUNTEDWALL MOUNTEDCOMPONENT SUPPORTS	RESTRAIN ALL		SEISMIC RESTRAINT REQUIREMENT	NOTES
WALL MOUNTED COMPONENT SUPPORTS		1	RESTRAIN ALL	-
COMPONENT SUPPORTS	RESTRAIN ALL	1,2	RESTRAIN ALL	-
	RESTRAIN ALL	1,2	RESTRAIN ALL	-
	RESTRAIN ALL	1	RESTRAIN ALL RESTRAIN ALL	
SINGLE CONDUIT	RESTRAIN IF ≥ 2.5"	3	RESTRAIN IF ≥ 2.5"	3
CABLE TRAY/BUS DUCT TRAPEZED CONDUIT≥ 2WW	NOT DELETE ON TRAPEZE 2.5". RESTRAIN IF TOTAL VEIGHT OF SUSPENDED COMPONENT > 10 LBS/FT	3	RESTRAIN IF ANY CONDUIT ON TRAPEZE >_2.5". RESTRAIN IF TOTAL WEIGHT OF SUSPENDED COMPONENT > 10 LBS/FT	3
OMPONENT CERTIFICATION	NOT REQUIRED	-	REQUIRED	5
TRAPEZE SHALL BE SUPPORTED BE EQUIPPED WITH SWIVELS, EY • THE RESTRAINT OF PENDANT, LA	D BY HANGERS HAVING A LEN YE NUTS OR OTHER DEVICES AY-IN AND CAN LIGHTS IS AD	IGTH OF 12" IN 5 TO PREVENT DRESSED IN A		HEY SHALL
^{3.} COMPONENT CERTIFICATION MU ENGINEER OF RECORD.	JST BE SUPPLIED BY THE EQ		JFACTURER AT TIME OF SUBMITTAL FOR REVIE	—————————————————————————————————————

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GENERAL ELECTRICAL NOTES

BRANCH CIRCUIT WIRING FOR 20A CIRCUITS SHALL BE SIZED PER WIRE SIZING CHART. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.

FEEDER CONDUITS AND BRANCH CIRCUIT ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND 2. SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES BEFORE AND DURING CONSTRUCTION. COORDINATE THE ROUTING OF UNDERGROUND CONDUCTORS/CONDUITS WITH CIVIL SURVEY.

- THE USE OF MC CABLE IS NOT ALLOWED, UNLESS NOTED OTHERWISE. WHEREVER THE WORD "PROVIDE" IS USED ON THE ELECTRICAL DRAWINGS, IT SHALL BE INFERRED TO MEAN "FURNISH AND INSTALL", UNLESS NOTED OTHERWISE.
- THE ARRANGEMENT, GROUPING, AND ROUTING OF BRANCH CIRCUITS SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR ELECTRICAL WORK, THE NATIONAL ELECTRICAL CODE REQUIREMENTS, LOCAL ORDINANCES, AND THE FOLLOWING: 1 A COMMON NEUTRAL MAY BE INSTALLED IN A HOMERUN FOR 2 OR 3 BRANCH CIRCUITS ONLY IF A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT OF ORIGIN IS PROVIDED PER NEC 210.4.B. 2 - MULTIPLE SINGLE-POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS AND 1 GROUND) RATED FOR 30A OR LESS MAY BE PULLED INTO A SINGLE RACEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE RACEWAYS AND DE-RATING CONDUCTORS PER NEC 310.15. 3 - A GROUND CONDUCTOR SHALL BE PROVIDED IN ALL RACEWAYS UNLESS NOTED OTHERWISE.

GENERAL POWER NOTES

THE GROUND ROD FOR THE SERVICE GROUND SHALL CONSIST OF A 3/4" X 10'-0" COPPER CLAD STEEL GROUND ROD. THE GROUND ROD SHALL BE A BARE COPPER CONDUCTOR. REFER TO ONE-LINE DIAGRAM FOR GROUNDING ELECTRODE CONDUCTOR SIZE. TOP OF THE ROD SHALL BE 12" BELOW FINISHED GRADE. CONNECTION TO THE ROD SHALL BE WITH EXOTHERMIC WELDS.

GENERAL EXISTING CONDITION NOTES

AREAS OF WORK EXIST FOR THIS PROJECT WHICH WERE NOT ACCESSIBLE OR HAD LIMITED ACCESS DURING DESIGN. AS SUCH, CONTRACTOR SHALL VERIFY ALL UTILITIES IN AREA OF WORK BEFORE DEMOLITION OF ANY SERVICE. ANY ELECTRICAL COMPONENTS NOT SHOWN SHALL BE IDENTIFIED AND THE ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE. NO ELECTRICAL REWORK SHALL BE COMMENCED WITHOUT COORDINATION WITH THE ENGINEER. WHERE INFORMATION SHOWN ON THESE DRAWINGS CONFLICTS WITH VERIFIED FIELD CONDITIONS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

								PANELE	BOARD SCI	HEDULE			
	LIGHTING SYMBOL LEGEND PHASES: 3 MAINS RATIN		A.I.C. RATING: 22,000 A MAINS RATING: 400 A MAINS TYPE: MAIN CIRCUIT BREAKER										
SYMBOL	DESCRIPTION	SYMBO	L DESCRIPTION			ING: SURFACE		ENC	LOSURE: TYPE NEW	MA 4X SS	_		
	LED, POLE MOUNTED, STADIUM LIGHTING						POLES	Α	В	с	POLES	TRIP CIRCUIT DESIGNATION	CKT NO.
	POWER AND TELECOMMUNIC		S SYMBOL LEGEND	1				3340 VA / 5850 VA					2
				3		20 A	3		3340 VA / 5850 VA		3	30 A FIXTURE S2	4
SYMBOL	DESCRIPTION	SYMBO		5				5850 VA / 3340 VA		3340 VA / 5850 VA			6 8
• X	GFCI DUPLEX RECEPTACLE	SPD	SURGE PROTECTION DEVICE			30 A	3	5650 VA / 5540 VA	5850 VA / 3340 VA		3	20 A FIXTURE S4	10
Ϋ́	"X" INDICATES RECEPTACLE TYPE	[SPD]	SURGE PROTECTION DEVICE	1						5850 VA / 3340 VA			12
	JUNCTION BOX (FLOOR MOUNTED)	M	METER	1;				3340 VA / 3340 VA					14
	"X" INDICATES JUNCTION BOX TYPE			1		20 A	3		3340 VA / 3340 VA	00403/4 / 00403/4	3	20 A FIXTURE S6	16 18
	TRANSFORMER		PANELBOARD - BRANCH, SURFACE	1				3340 VA / 0 VA		3340 VA / 3340 VA	1	PREPARED SPACE	20
			MOUNTED	2		20 A	3		3340 VA / 0 VA		1	PREPARED SPACE	22
НН	HANDHOLE	∇ C	FUTURE CAMERA LOCATION	23						3340 VA / 0 VA	1	PREPARED SPACE	24
			(2" ROUGH-IN ONLY, SEE DETAILS)	25			1	0 VA / 0 VA			1	PREPARED SPACE	26
				2			1		0 VA / 0 VA		1	PREPARED SPACE	28
				29			1	0 VA / 0 VA		0 VA / 0 VA	1	PREPARED SPACE PREPARED SPACE	30 32
				33			1		0 VA / 0 VA		1	PREPARED SPACE	34
	EQUIPMENT CONNECT	ION S	CHEDULE	3			1			0 VA / 0 VA	1	PREPARED SPACE	36
	IIT I.D. VOLTS # OF POLES LOAD (VA) BRA		CUIT WIRING NOTES	3			1	0 VA / 19850 VA					38
			k 1 #12 G. in 3/4" C. 1	3			1		0 VA / 19850 VA		3	125 A LV-3 (VIA XFMR 'X1')	40
			x 1 #10 G. IN 3/4" C. 1	4	1 PREPARED SPACE			40000 \ /A	40000	0 VA / 19850 VA			42
						TOTAL PHASE TOTAL PHASE CU	-	48230 VA 174 A	48230 174 A	48230 174 A	-		
			1 #8 G. IN 1" C. 1			IVIAL FILAGE CO		1/4 7	PANEL TOTALS	1/4 /			
	S4 480V 3 POLES 10010 4 #10	COND. 8	& 1 #10 G. IN 3/4" C. 1					TOTAL CONNECT	ED LOAD: 144691				
	S5 480V 3 POLES 10010 4 #8	COND. &	1 #8 G. IN 1" C. 1					TOTAL CONNECTED	CURRENT: 174 A				

EQUIPMENT CONNECTION SCHEDULE									
UNIT I.D.	VOLTS	# OF POLES	LOAD (VA)	BRANCH CIRCUIT WIRING	NOTES				
S1	480V	3 POLES	10010	4 #12 COND. & 1 #12 G. in 3/4" C.	1				
S2	480V	3 POLES	17550	4 #10 COND. & 1 #10 G. IN 3/4" C.	1				
S3	480V	3 POLES	17550	4 #8 COND. & 1 #8 G. IN 1" C.	1				
S4	480V	3 POLES	10010	4 #10 COND. & 1 #10 G. IN 3/4" C.	1				
S5	480V	3 POLES	10010	4 #8 COND. & 1 #8 G. IN 1" C.	1				
S6	480V	3 POLES	10010	4 #8 COND. & 1 #8 G. in 1" C.	1				
S7	480V	3 POLES	10010	4 #10 COND. & 1 #10 G. IN 3/4" C.	1				
VIDEO SB	208V	3 POLES	54000	4-500KCMIL COND. & 1 #2/0 G. in 3 1/2" C.	2				
DEDESTAL	2001/		14 200	3 #2 COND. & 1 #8 G. IN 1 1/4" C.	2.2				
PEDESTAL	208V	2 POLES	14,300	3 #3 COND. & 1 #8 G. IN 1 1/4" C.	2,3				

EQUIPMENT NOTES:

1. ROUTE CIRCUITS THROUGH LIGHTING CONTROL PANEL CONTACTORS. REFER TO LIGHTING CONTROL PANEL MANUFACTURER'S SYSTEM CONTROL DOCUMENT.

2. LOADS ARE APPROXIMATE.

BRANCH CIRCUIT WIRING ON TOP SPECIFIES THE CIRCUITING ON THE PRIMARY SIDE OF THE TRANSFORMER AND THE BRANCH CIRCUIT WIRING ON BOTTOM SPECIFIES THE CIRCUITING ON THE SECONDARY SIDE OF THE TRANSFORMER. BASIS OF DESIGN IS LARSON ELECTRONICS 1-PHASE BUK & BOOST TRANSFORMER - 208V PRIMARY -230V SECONDARY - 62.5 AMPS - 50/60HZ, PART NUMBER MT-BBT-208V-230V-62.5A.

ELECTRICAL ABBREVIATIONS								
ABBR	DESCRIPTION							
(E)	EXISTING							
BOD	BOTTOM OF DEVICE							
СВ	CIRCUIT BREAKER							
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTING							
GFI	GROUND-FAULT INTERRUPTING							
GP	GENERAL PURPOSE							
HH	HANDHOLE							
J-BOX	JUNCTION BOX							
KW	KILOWATTS							
LCP	LIGHTING CONTROL PANEL							
LCS	LIGHTING CONTROL SYSTEM							
LTG	LIGHTING							
NEC	NATIONAL ELECTRICAL CODE							
SB	SCOREBOARD							
SPD	SURGE PROTECTION DEVICE							
SS	STAINLESS STEEL							
UNO	UNLESS NOTED OTHERWISE							
W/	WITH							
WP	WEATHERPROOF							
XFMR	TRANSFORMER							

ELECTRICAL CODES AND STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

CODE IBC (2018) IFC (2018) NFPA 70 (2017)

DESCRIPTION INTERNATIONAL BUILDING CODE INTERNATIONAL FIRE CODE NATIONAL ELECTRICAL CODE

WIRE SIZING CHART 20 AMP BRANCH CIRCUITS								
DISTANCE, 120V MINIMUM WIRE SIZE								
0 - 90 FEET	#12 AWG							
90 - 230 FEET	#10 AWG							
230 - 446 FEET	#8 AWG							
446 - 750 FEET	#6 AWG							

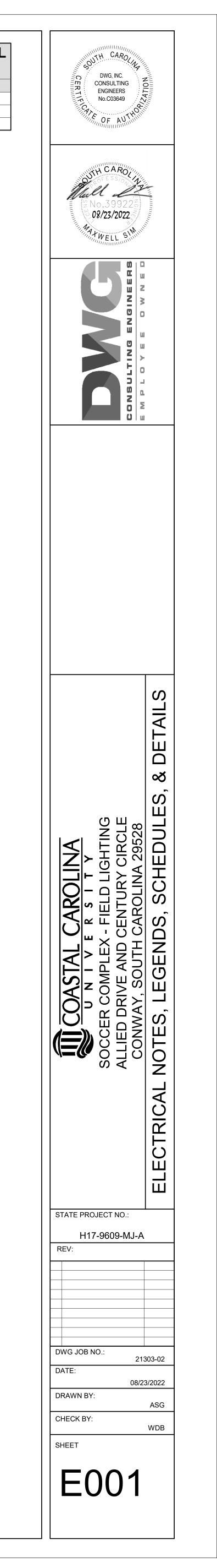
LINE LEGEND							
SYMBOL	DESCRIPTION						
	EXISTING TO REMAIN						
	NEW CONSTRUCTION						
E	UNDERGROUND DRAINAGE PIPES						

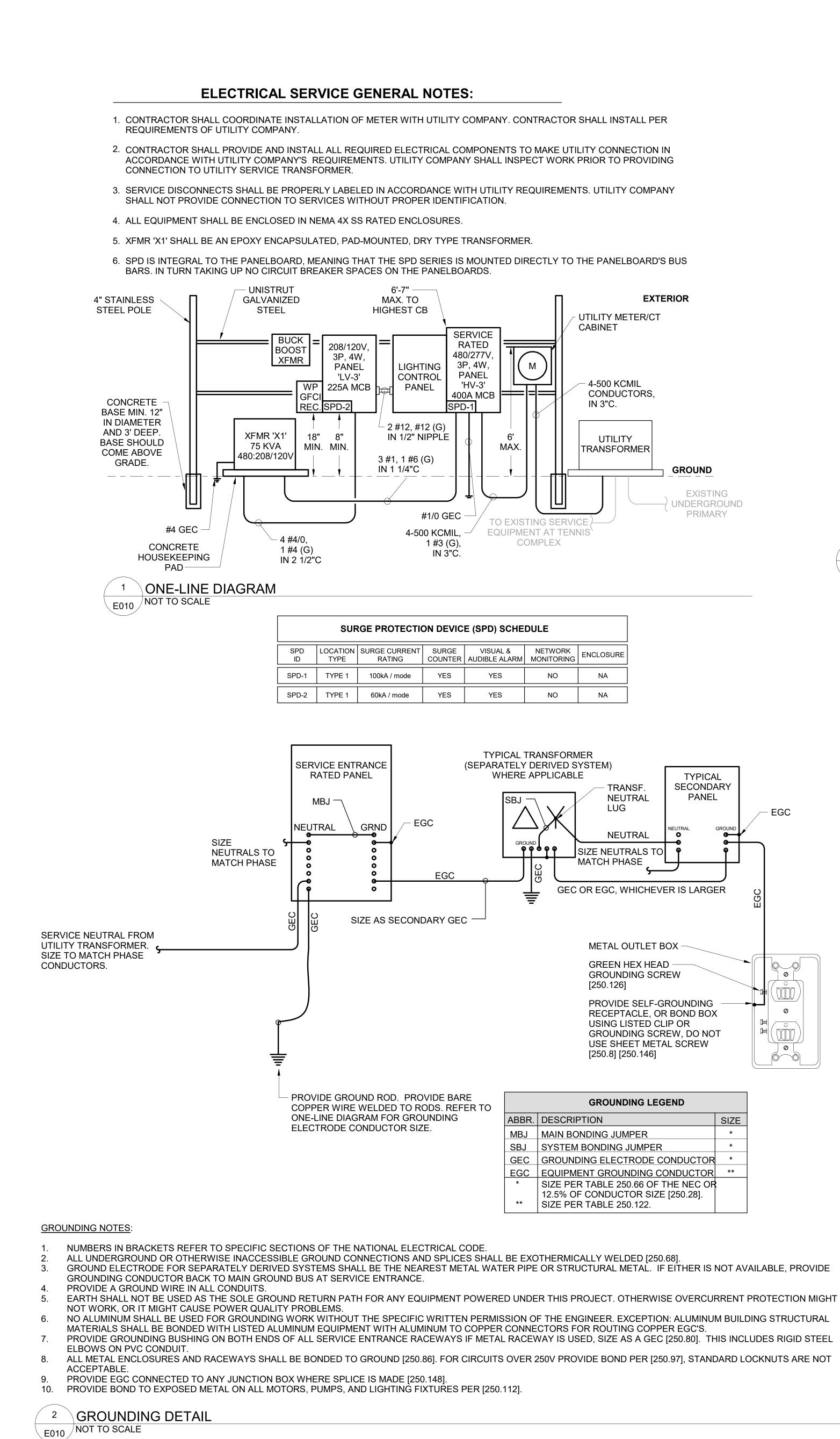
PANELBOARD SCHEDULE

PANEL NAME: LV-3				VOLTS: 120/208 W	ye		A.I.C. F	RATING: 10,000 A		
LOCATION: *SEE	DN: *SEE SITE PLANS* TYP. PHASES: 3 MAINS RATING: 225 A									
SOURCE: XFMR	'X1'			WIRES: 4		MAINS TYPE: MAIN CIRCUIT BREAKER				
MOUNTING: SURF	ACE		ENG	CLOSURE: TYPE NEM	IA 4X SS					
CIRCUIT DESIGNATION	TRIP	POLES	Α	В	с	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.	
			14400 VA / 900 VA			1	20 A	WP GFCI RECEPTACLE	2	
VIDEO SCOREBOARD	150 A	3		14400 VA / 900 VA		1	20 A	ID CHANNEL LETTERS	4	
					14400 VA / 900 VA	1	20 A	BACKLIT BOTTOM AD	6	
S1 RECP	20 A	1	180 VA / 180 VA			1	20 A	S2 RECP	8	
S3 RECP	20 A	1		180 VA / 180 VA		1	20 A	S4 RECP	10	
S5 RECP	20 A	1			180 VA / 180 VA	1	20 A	S6 RECP	12	
S7 RECP	20 A	1	180 VA / 180 VA			1	20 A	SB RECP	14	
	50 A	2		6000 VA / 0 VA		1	20 A	RECP PEDESTAL	16	
	50 A	2			6000 VA / 0 VA	1	20 A	RECP PEDESTAL	18	
CAMERA PAD RECP	20 A	1	180 VA / 0 VA			1	20 A	SPARE	20	
SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE	22	
SPARE	20 A	1			0 VA / 0 VA	1	20 A	SPARE	24	
SPARE	20 A	1	0 VA / 0 VA			1	20 A	SPARE	26	
SPARE	20 A	1		0 VA / 0 VA		1	20 A	SPARE	28	
SPARE	20 A	1			0 VA / 200 VA	1	20 A	PANEL 'LCP'	30	
TOT	AL PHASE	E LOAD:	16200 VA	21660	21860					
TOTAL P	HASE CU	RRENT:	135 A	188 A	189 A					
				PANEL TOTALS						
	LOCATION: *SEE SOURCE: XFMR MOUNTING: SURF CIRCUIT DESIGNATION VIDEO SCOREBOARD S1 RECP S3 RECP S3 RECP S5 RECP S7 RECP FOOD TRUCK RECP CAMERA PAD RECP SPARE SPARE SPARE SPARE SPARE SPARE SPARE	LOCATION: *SEE SITE PLA SOURCE: XFMR 'X1' MOUNTING: SURFACECIRCUIT DESIGNATIONTRIPVIDEO SCOREBOARD150 AS1 RECP20 AS3 RECP20 AS5 RECP20 AS7 RECP20 AFOOD TRUCK RECP50 ACAMERA PAD RECP20 ASPARE20 A	LOCATION: *SEE SITE PLANS* TYP. SOURCE: XFMR 'X1' MOUNTING: SURFACECIRCUIT DESIGNATIONTRIPPOLESVIDEO SCOREBOARD150 A3S1 RECP20 A1S3 RECP20 A1S5 RECP20 A1S7 RECP20 A1FOOD TRUCK RECP50 A2CAMERA PAD RECP20 A1SPARE20 A1SPARE20 A1SPARE20 A1SPARE20 A1SPARE20 A1	LOCATION: *SEE SITE PLANS* TYP. SOURCE: XFMR 'X1' MOUNTING: SURFACE ENC CIRCUIT DESIGNATION TRIP POLES A I 14400 VA / 900 VA VIDEO SCOREBOARD 150 A 3 S1 RECP 20 A 1 180 VA / 180 VA S3 RECP 20 A 1 180 VA / 180 VA S3 RECP 20 A 1 180 VA / 180 VA S5 RECP 20 A 1 180 VA / 180 VA S7 RECP 20 A 1 180 VA / 180 VA FOOD TRUCK RECP 20 A 1 180 VA / 180 VA FOOD TRUCK RECP 20 A 1 180 VA / 180 VA SPARE 20 A 1 180 VA / 0 VA	LOCATION: *SEE SITE PLANS* TYP. SOURCE: XFMR 'X1' MOUNTING: SURFACE TOTAL PHASES: 3 WIRES: 4 WIRES: 4 WIRES: 4 WIRES: 4 WIRES: 7 VIDEO SURFET TYPE NEM 14400 VA / 900 VA 150 A 14400 VA / 900 VA 14400 VA / 900 VA 1400 VA / 180 VA 1400 VA / 0VA 1400 VA / 0VA	LOCATION: *SEE SITE PLANS* TYP. SOURCE: XFMR 'X1' MOUNTING: SURFACE CIRCUIT DESIGNATION TRIP POLES A B C CIRCUIT DESIGNATION TRIP POLES A B C C CIRCUIT DESIGNATION TRIP POLES A B C C C C C C C C C C C C C	LOCATION: SEE SITE PLANS*TYP. SOURCE: XFMR 'X1' PHASES: 3 WIRES: 4 MOUNTING: SURFACE ENCLOSURE: TYPE NEMA 4X SS CIRCUIT DESIGNATION TRIP POLES A B C POLES VIDEO SCOREBOARD TSD A 3 14400 VA / 900 VA G 1 VIDEO SCOREBOARD 150 A 3 14400 VA / 900 VA G 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A 1 180 VA / 180 VA 1 1 ST RECP 20 A </td <td>LOCATION: "SEE SITE PLANS" TYP. SOURCE: XFMR XI' MOUNTING: SURFACEPHASES: 3IMAIN WIRES: 4WIRES: 4MAIN WIRES: 4MOUNTING: SURFACEEINCLOSURE: TYPE NEMA 4X SSCIRCUIT DESIGNATIONTRIPPOLESABCPOLESMAINVIDEO SCOREBOARD150 A14400 VA / 900 VAABCPOLESTIPVIDEO SCOREBOARD150 A14400 VA / 900 VABCPOLESTIPVIDEO SCOREBOARDTIS A14400 VA / 900 VAEI20 ASTRECP20 A114400 VA / 900 VA120 ASTRECP20 A114400 VA / 900 VA120 ASTRECP20 A114400 VA / 900 VA120 ASTRECP20 A1180 VA / 180 VA120 ASTRECP20 A1180 VA / 180 VA120 ASTRECP20 A<</td> <td>LOCATION: 'SEE SITE PLANS' TYP: SOURCE: XFMR'X1' MOUNTING: SURFACE TOTAL PHASE SURFACE SOURCE: XFMR'X1' SURFACE SOURCE: XFMR'X1' SOURCE: XFMR'X1' SO</td>	LOCATION: "SEE SITE PLANS" TYP. SOURCE: XFMR XI' MOUNTING: SURFACEPHASES: 3IMAIN WIRES: 4WIRES: 4MAIN WIRES: 4MOUNTING: SURFACEEINCLOSURE: TYPE NEMA 4X SSCIRCUIT DESIGNATIONTRIPPOLESABCPOLESMAINVIDEO SCOREBOARD150 A14400 VA / 900 VAABCPOLESTIPVIDEO SCOREBOARD150 A14400 VA / 900 VABCPOLESTIPVIDEO SCOREBOARDTIS A14400 VA / 900 VAEI20 ASTRECP20 A114400 VA / 900 VA120 ASTRECP20 A114400 VA / 900 VA120 ASTRECP20 A114400 VA / 900 VA120 ASTRECP20 A1180 VA / 180 VA120 ASTRECP20 A1180 VA / 180 VA120 ASTRECP20 A<	LOCATION: 'SEE SITE PLANS' TYP: SOURCE: XFMR'X1' MOUNTING: SURFACE TOTAL PHASE SURFACE SOURCE: XFMR'X1' SURFACE SOURCE: XFMR'X1' SOURCE: XFMR'X1' SO	

TOTAL CONNECTED LOAD: 59720

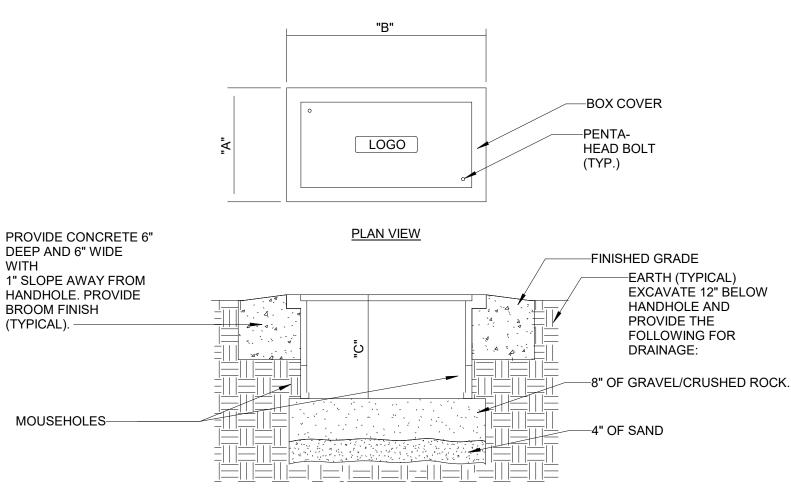
TOTAL CONNECTED CURRENT: 166 A







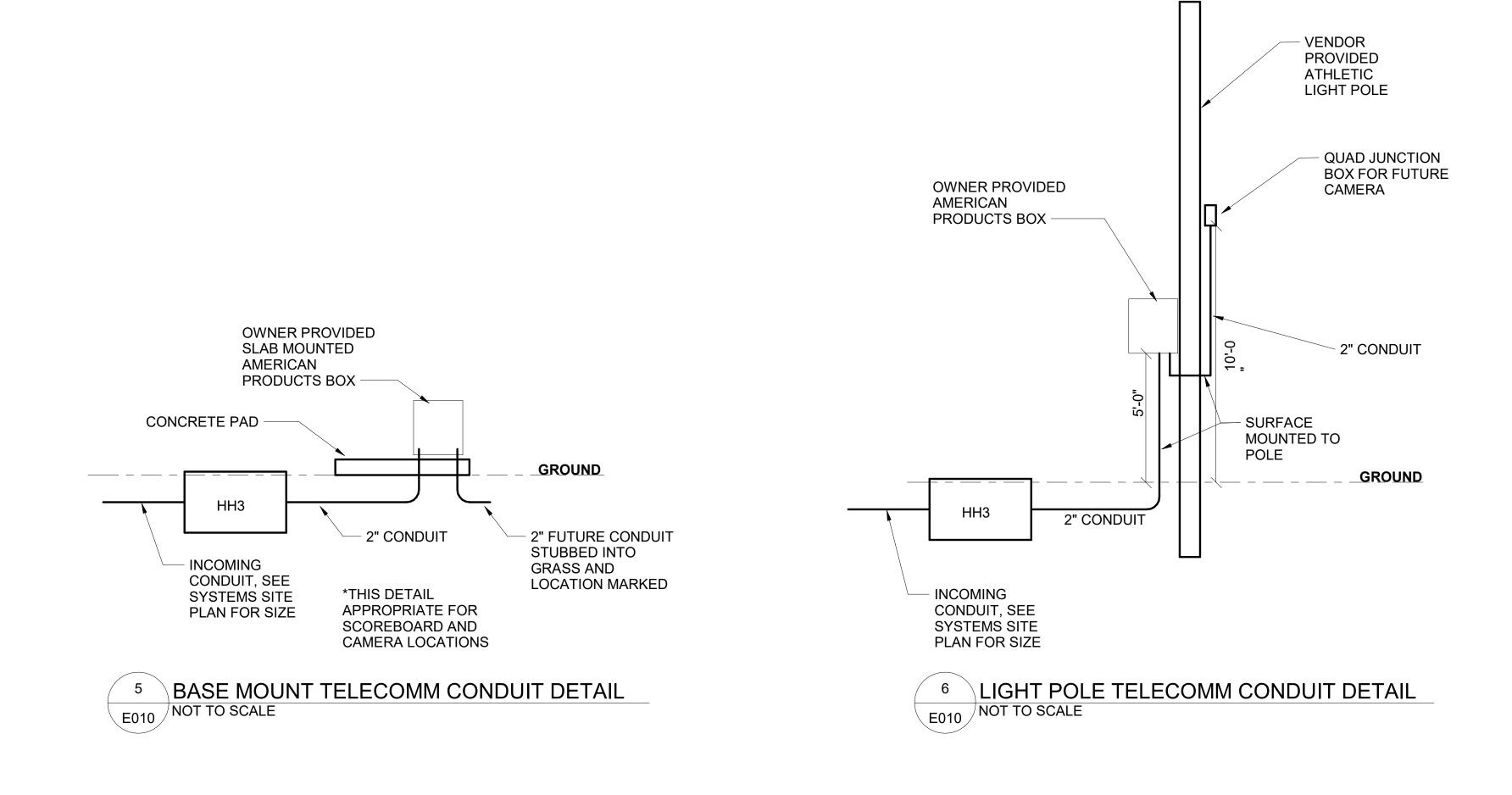
ANSI 77 REQUIREMENTS. PROVIDE TWO (2) PENTA-SOCKET LUG WRENCHES TO OWNER. DIMENSIONS INDICATED IN SCHEDULES INDICATES THE MINIMUM.

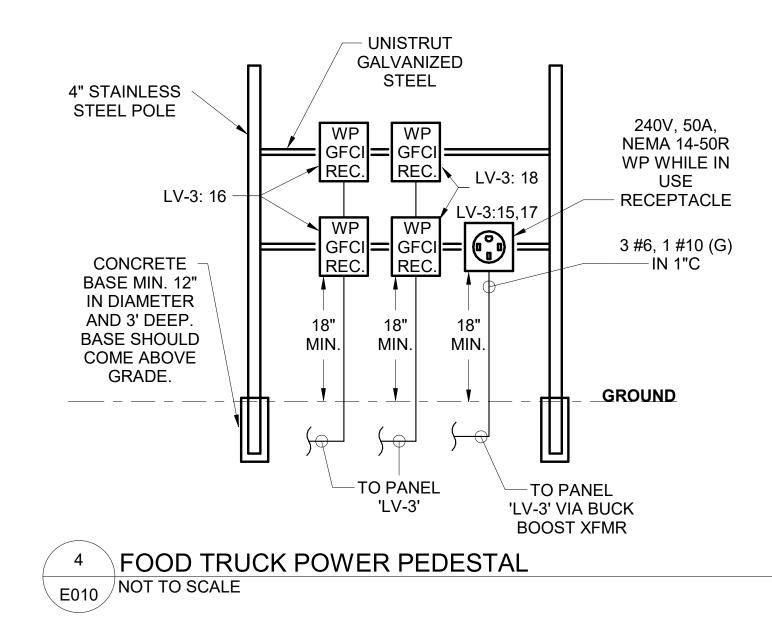


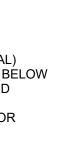
SECTION

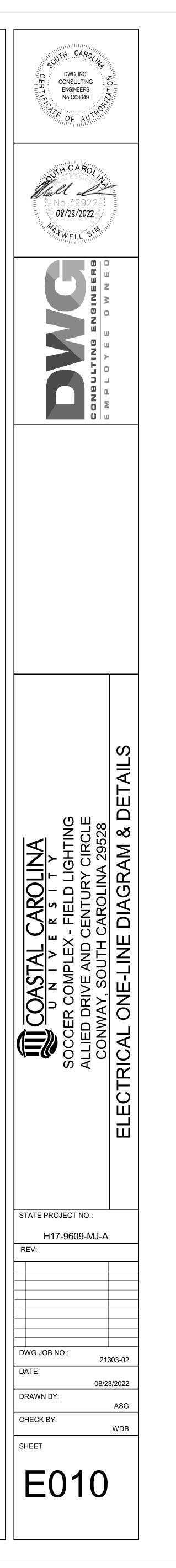
HANDHOLE DETAIL /NOT TO SCALE E010

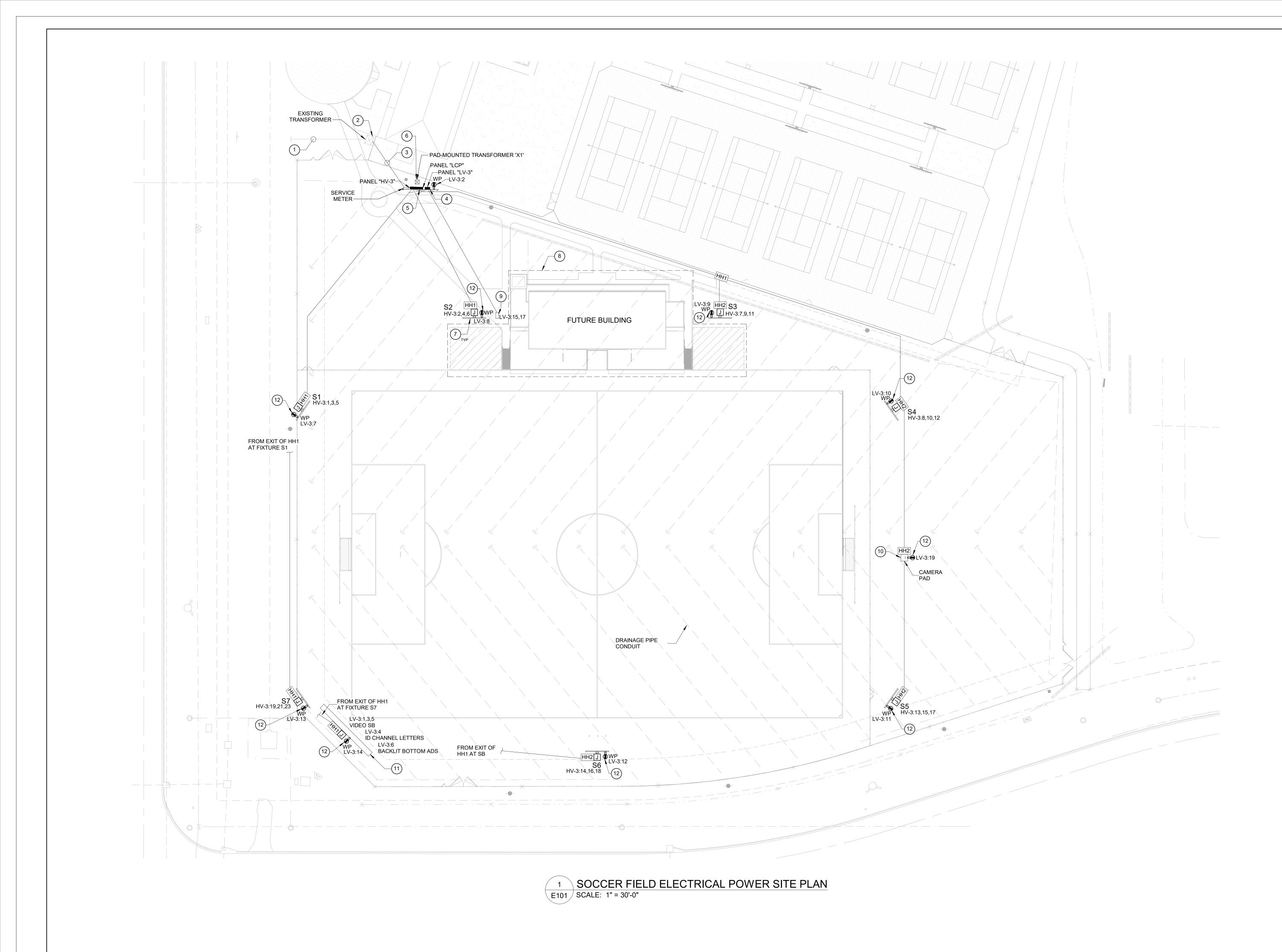
GROUNDING LEGEND						
PTION	SIZE					
ONDING JUMPER	*					
1 BONDING JUMPER	*					
DING ELECTRODE CONDUCTOR	*					
ENT GROUNDING CONDUCTOR	**					
R TABLE 250.66 OF THE NEC OF F CONDUCTOR SIZE [250.28]. R TABLE 250.122.						





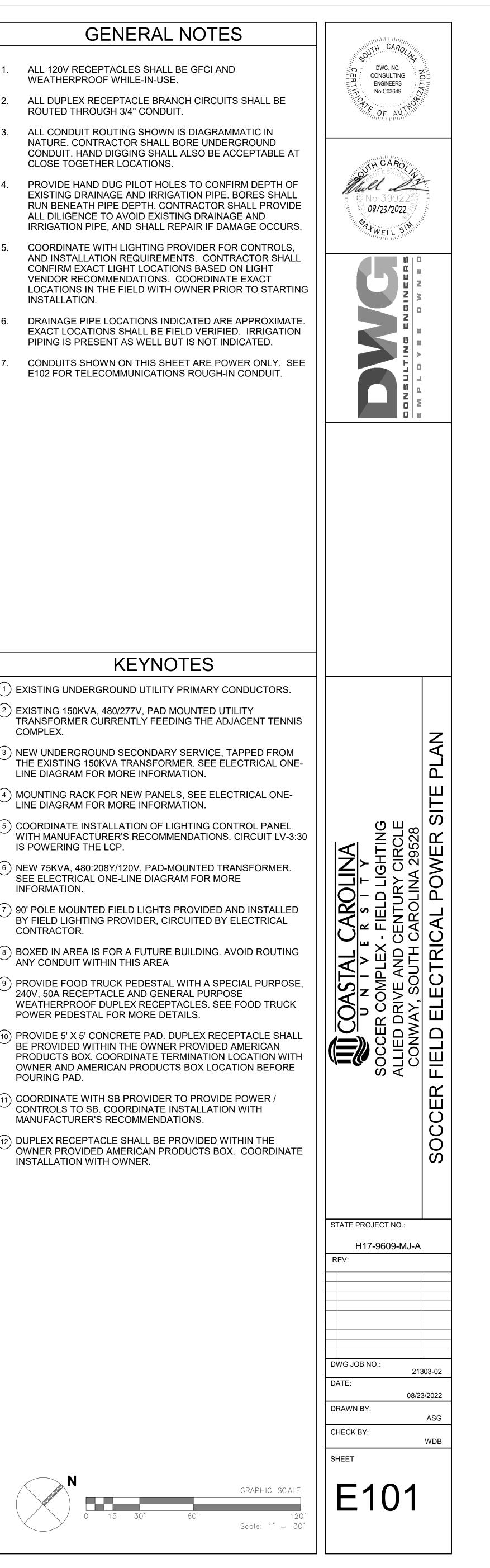


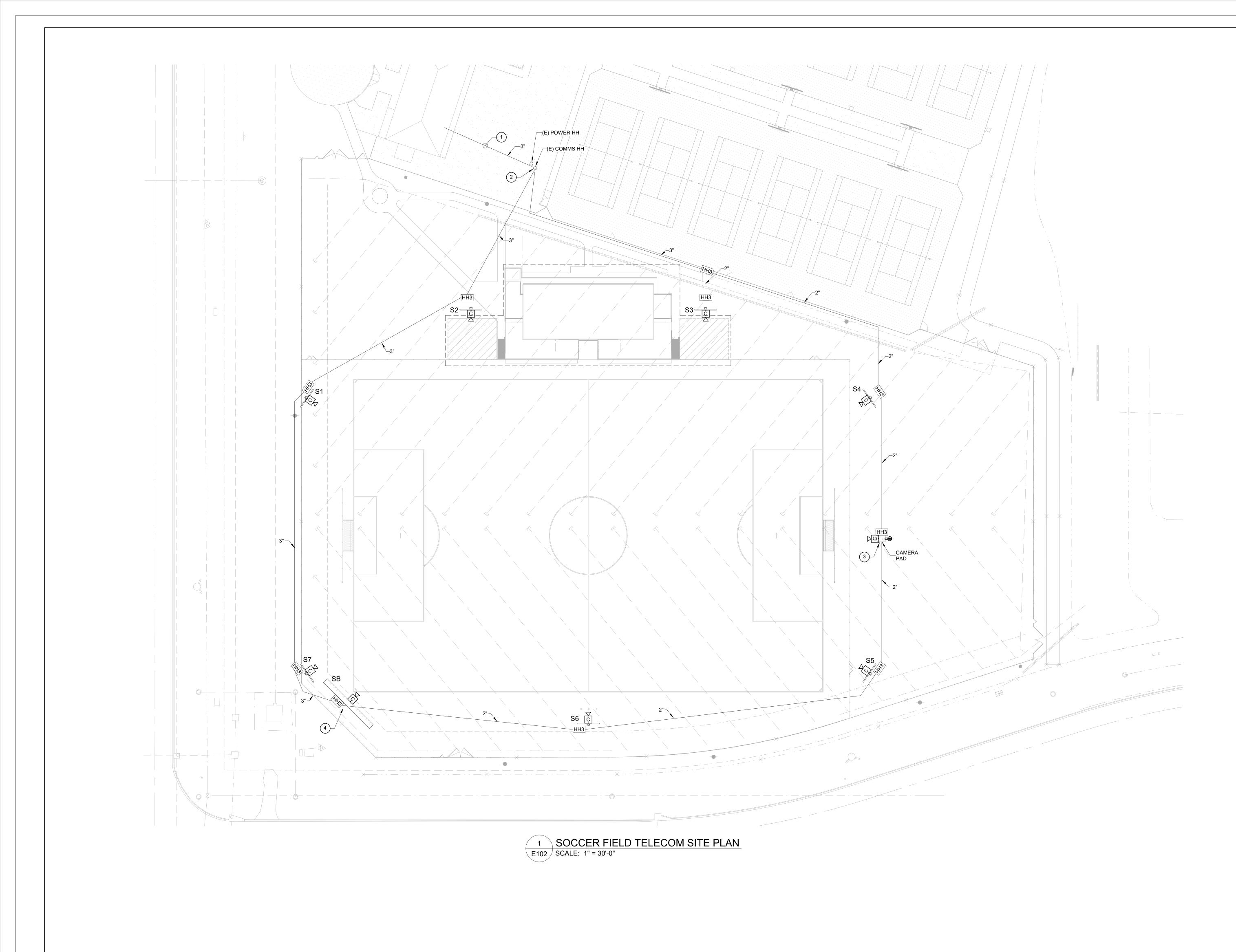




- ROUTED THROUGH 3/4" CONDUIT.
- CLOSE TOGETHER LOCATIONS.
- ALL DILIGENCE TO AVOID EXISTING DRAINAGE AND
- VENDOR RECOMMENDATIONS. COORDINATE EXACT

- COMPLEX.
- LINE DIAGRAM FOR MORE INFORMATION.
- LINE DIAGRAM FOR MORE INFORMATION.
- 5 COORDINATE INSTALLATION OF LIGHTING CONTROL PANEL IS POWERING THE LCP.
- SEE ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
- CONTRACTOR.
- 240V, 50A RECEPTACLE AND GENERAL PURPOSE POWER PEDESTAL FOR MORE DETAILS.
- POURING PAD.
-) COORDINATE WITH SB PROVIDER TO PROVIDE POWER / CONTROLS TO SB. COORDINATE INSTALLATION WITH MANUFACTURER'S RECOMMENDATIONS.
- 2) DUPLEX RECEPTACLE SHALL BE PROVIDED WITHIN THE INSTALLATION WITH OWNER.





- CLOSE TOGETHER LOCATIONS.
- INSTALLATION WITH OWNER.
- ALL DILIGENCE TO AVOID EXISTING DRAINAGE AND

- ROOM TO THE EXISTING COMMUNICATIONS HANDHOLE. ROOM.
- INDICATED.
- 3) PROVIDE 5' X 5' CONCRETE PAD. TELECOMMUNICATIONS MOUNTED IN THE CORNER OF THE PAD. COORDINATE TERMINATION LOCATION WITH OWNER AND AMERICAN
- PROVIDE 3' X 3' CONCRETE PAD. TELECOMMUNICATIONS TERMINATION LOCATION WITH OWNER AND AMERICAN PRODUCTS BOX LOCATION BEFORE POURING PAD.

