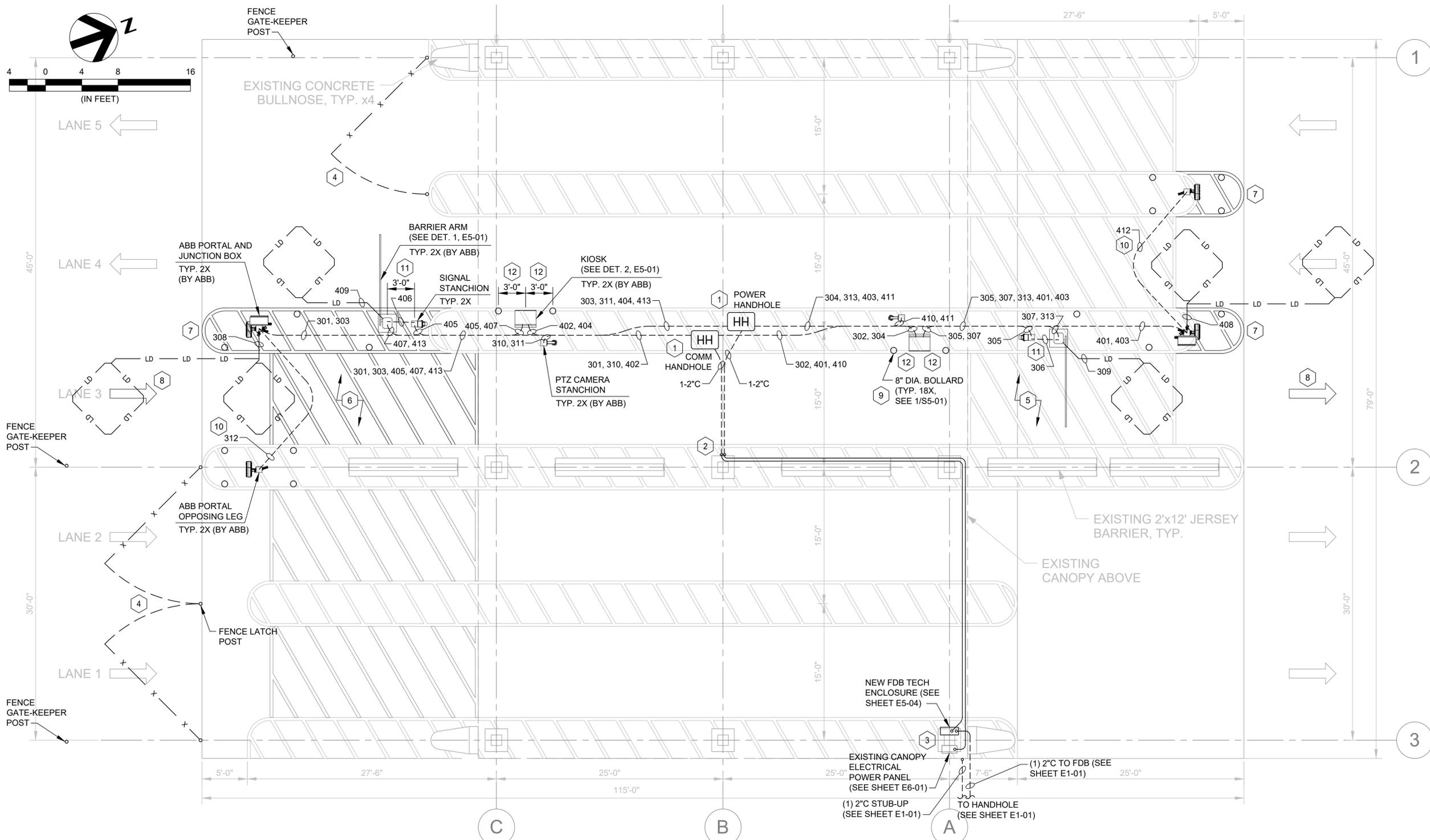


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NOTE: ALL CONDUITS IN TABLE BELOW SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. FIBER AND 120V CIRCUIT WIRING IDENTIFIED IN TABLE SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL OTHER WIRING SHALL BE FURNISHED AND INSTALLED BY ABB.

CONDUIT SCHEDULE				
CONDUIT NUMBER	SIZE	FROM	TO	CABLE TYPE / DESCRIPTION
301, 401	2"C	COMM HANDHOLE	PORTAL JUNCTION BOX	(1) 12-STRAND FIBER
302, 402	2"C	COMM HANDHOLE	KIOSK	(1) 12-STRAND FIBER
303, 403	1"C	POWER HANDHOLE	PORTAL JUNCTION BOX	2 x [(2) #10 W/ #10GND]
304, 404	1"C	POWER HANDHOLE	KIOSK	(2) #10 W/ #10GND
305, 405	1"C	KIOSK	SIGNAL STANCHION	WIRING INSTALLED BY ABB
306, 406	1"C	SIGNAL STANCHION	BARRIER GATE	WIRING INSTALLED BY ABB
307, 407	1"C	KIOSK	BARRIER GATE	WIRING INSTALLED BY ABB
308, 408	1"C	PORTAL JUNCTION BOX	INCOMING LOOP	WIRING INSTALLED BY ABB
309, 409	1"C	BARRIER GATE	OUTGOING LOOP	WIRING INSTALLED BY ABB
310, 410	1"C	COMM HANDHOLE	PTZ CAMERA STANCHION	WIRING INSTALLED BY ABB
311, 411	1"C	POWER HANDHOLE	PTZ CAMERA STANCHION	WIRING INSTALLED BY ABB
312, 412	2"C	PORTAL JUNCTION BOX	OPPOSING PORTAL LEG	WIRING INSTALLED BY ABB
313, 413	1"C	POWER HANDHOLE	BARRIER GATE	(2) #10 W/ #10GND

KEYED NOTES:

- 1 POWER AND COMM HANDHOLES SHALL BE 24" x 36" TIER 22 TRAFFIC RATED. SEE DETAILS SHEET E5-01.
- 2 CONTRACTOR SHALL ROUTE CONDUIT UNDERGROUND, THEN TURN CONDUITS UP ALONG CANOPY FOUNDATION AT COLUMN B-2 AND ROUTE OVERHEAD UNDER CANOPY TO COLUMN A-3.
- 3 CONTRACTOR SHALL TURN CONDUITS DOWN COLUMN A-3 AND ROUTE INTO EXISTING ELECTRICAL PANEL AND INTO NEW TECH ENCLOSURE.
- 4 CONTRACTOR SHALL COORDINATE WITH SCPA TO INSTALL NEW DOUBLE GATE SWING FENCE IN FRONT OF LANES 1 & 2 AND A SINGLE GATE SWING FENCE IN FRONT OF LANE 5 FOR CLOSURE OF LANES WHEN REQUIRED.
- 5 EXISTING PAINT STRIPING IN THIS LANE TO BE REMOVED.
- 6 PAINT STRIPING IN THIS LANE TO BE ADDED (AS SHOWN).
- 7 PAINT STRIPING TO BE EXTENDED (AS SHOWN).
- 8 TRAFFIC ARROW TO BE REMOVED, AND REPAINTED IN NEW (REVERSED) DIRECTION (AS SHOWN).
- 9 SEE ABB DRAWINGS FOR SPECIFIC BOLLARD LOCATION DIMENSIONS RELATIVE TO EQUIPMENT. (EXCEPT FOR KIOSK AND SIGNAL STANCHION (SEE KEYED NOTES 11 & 12).
- 10 CONDUITS 312 AND 412 SHALL BE ROUTED EITHER 4FT BELOW THE ELEVATION OF THE LOOP, OR AROUND THE LOOP MAINTAINING A MINIMUM CLEARANCE OF 2FT FROM THE LOOP.
- 11 MINIMUM DISTANCE BETWEEN BARRIER ARM FOUNDATION CENTERLINE AND SIGNAL STANCHION CENTERLINE SHALL BE 36", TYPICAL ALL LOCATIONS.
- 12 MINIMUM DISTANCE BETWEEN KIOSK STANCHION CENTERLINE AND BOLLARD CENTERLINE SHALL BE 36", TYPICAL ALL LOCATIONS.

NOTES:

- 1. SEE DRAWINGS E5-01 AND E5-02 FOR FOUNDATIONS AND LOOP DETECTOR INSTALLATION DETAILS.

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(843) 529-9428
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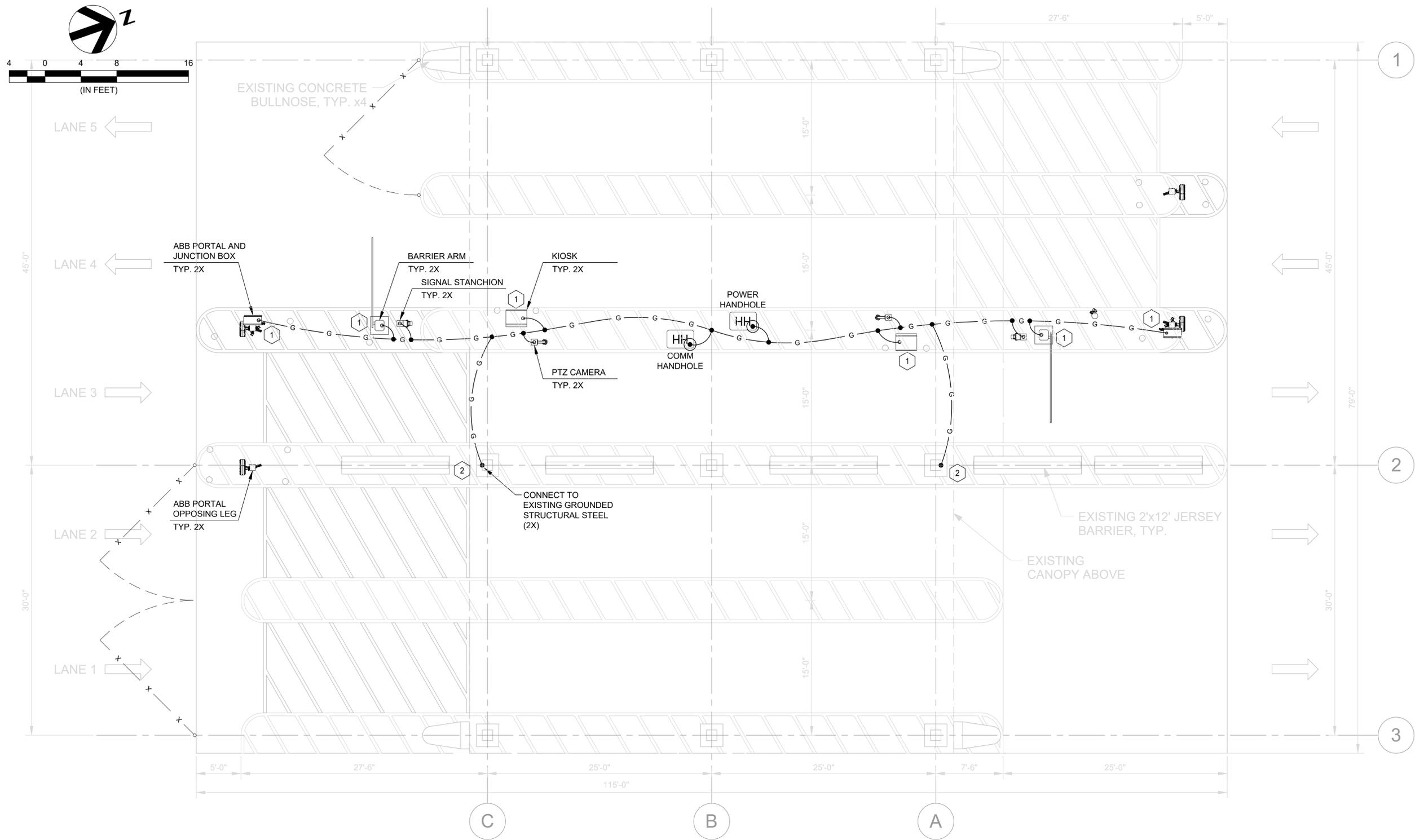
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SOUTH CAROLINA INLAND PORT GREER TERMINAL
 SCIP GREER EXTERNAL CHASSIS YARD AGS
 ELECTRICAL ENLARGED PLAN

SOUTH CAROLINA
 HDR ENGINEERING, INC.
 No. 003317
 STATE OF SOUTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 No. 16944
 02/05/26
 LEONARD L. OWENS

FILE NAME	10427804E4-01.DWG
DATE	FEB 2026
SCALE	3/16" = 1'-0"
PROJECT NUMBER	CIF25E005
DRAWN BY	SGF
CHECKED BY	DKT
APPROVED BY	RLO
SHEET NUMBER	E4-01
REVISION NO.	0

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NOTES:
 1. SEE GROUNDING DETAILS SHEET E5-03

KEYED NOTES:
 1 CONTRACTOR SHALL STUB-UP GROUND CONDUCTOR INSIDE FOUNDATION, UP INTO EQUIPMENT AND CONNECT TO EQUIPMENT GROUNDING CONNECTION.
 2 CONTRACTOR SHALL STUB-UP GROUND WIRE IN PVC CONDUIT ALONG OUTSIDE OF CANOPY FOUNDATION TO TOP OF CONCRETE FOUNDATION. CONNECT GROUND CONDUCTOR TO CANOPY STEEL.

LEGEND:
 ○ GROUND ROD
 ● EXOTHERMIC WELD
 — G — #4/0 BARE COPPER GROUND WIRE

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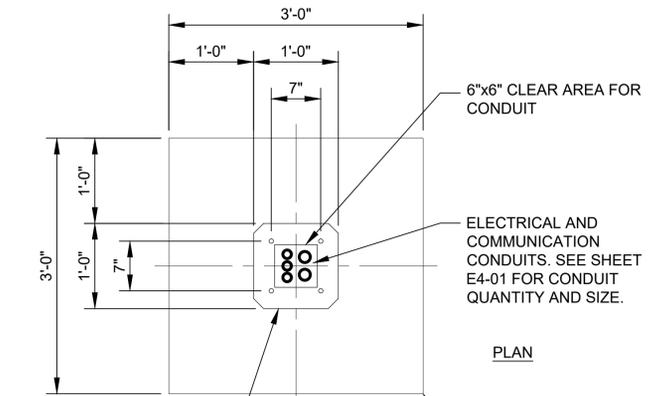
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SOUTH CAROLINA INLAND PORT GREER TERMINAL
 SCIP GREER EXTERNAL CHASSIS YARD AGS
 ENLARGED GROUNDING PLAN

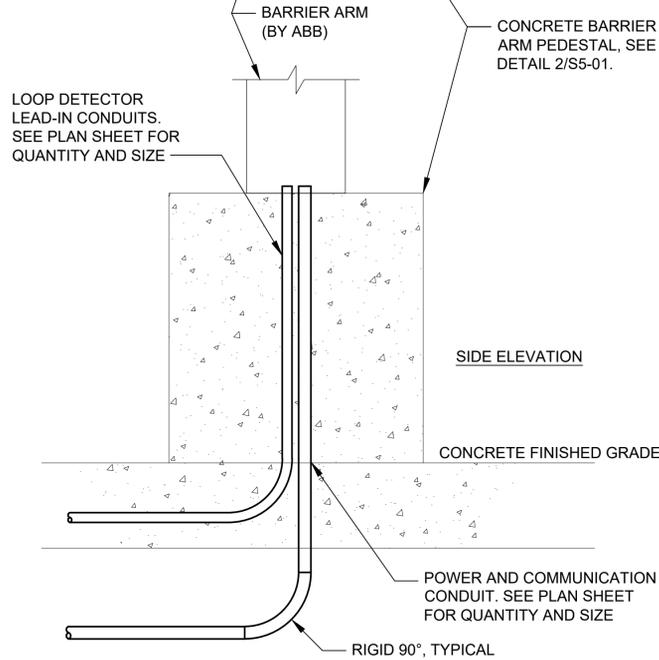
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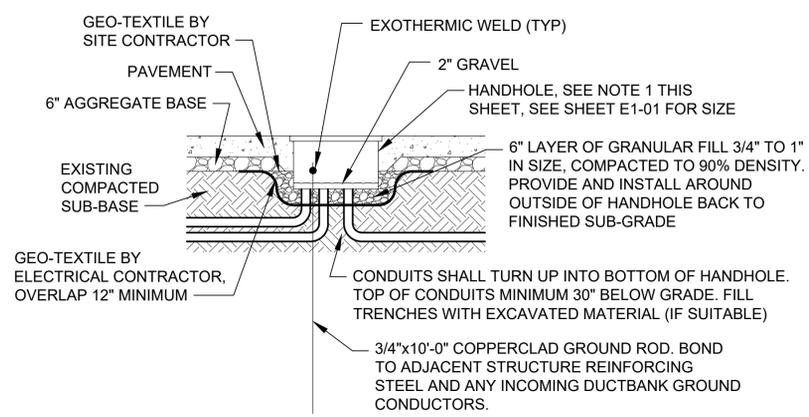


PLAN



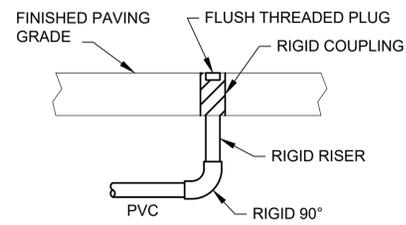
SIDE ELEVATION

1
E5-01
BARRIER ARM CONDUIT ENTRY
DETAIL



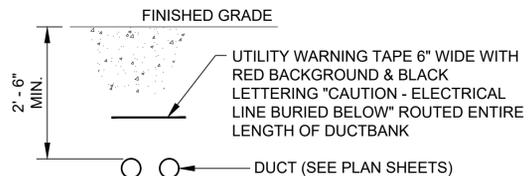
HANDHOLE

3
E5-01
DETAIL



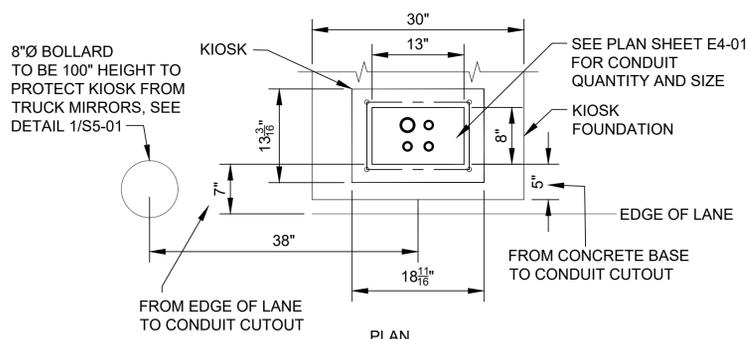
TYPICAL STUB UP IN PAVEMENT

4
E5-01
DETAIL



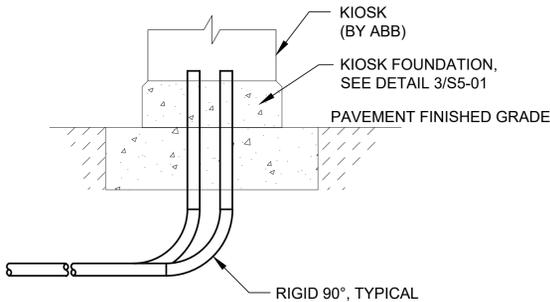
TYPICAL DIRECT BURIED CONDUIT

5
E5-01
DETAIL



PLAN

2
E5-01
KIOSK CONDUIT ENTRY
DETAIL



SIDE ELEVATION

1

NOTES:

- HANDHOLE SHALL BE HEAVY DUTY, PREFORMED POLYMER CONCRETE CONSTRUCTION WITH OPEN BOTTOM. TIER 22 RATED REMOVABLE COVER SHALL BE BOLTED TO BOX WITH STAINLESS STEEL BOLTS. HANDHOLE SHALL BE LOCATED IN AN AREA NOT SUBJECT TO FULL TRAFFIC. HANDHOLE SHALL BE ARMORCAST PRODUCTS, INC. OR APPROVED EQUAL.

KEYED NOTES:

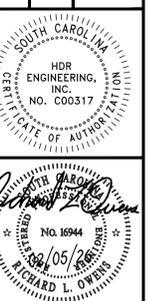
- CONFIRM ALL FOUNDATION DIMENSIONS AND CONDUIT ENTRY LOCATION AND DIMENSIONS WITH ABB FINAL DRAWINGS PRIOR TO WORK BEGINNING.

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SOUTH CAROLINA INLAND PORT GREER TERMINAL

SCIP GREER EXTERNAL CHASSIS YARD AGS
CONDUIT ROUTING DETAILS



FILE NAME

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DATE

FEB 2026

SCALE

NONE

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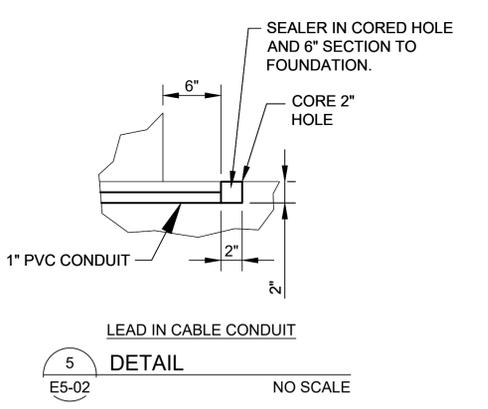
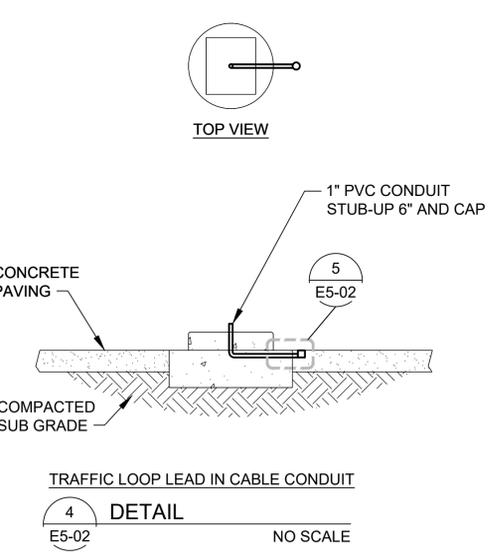
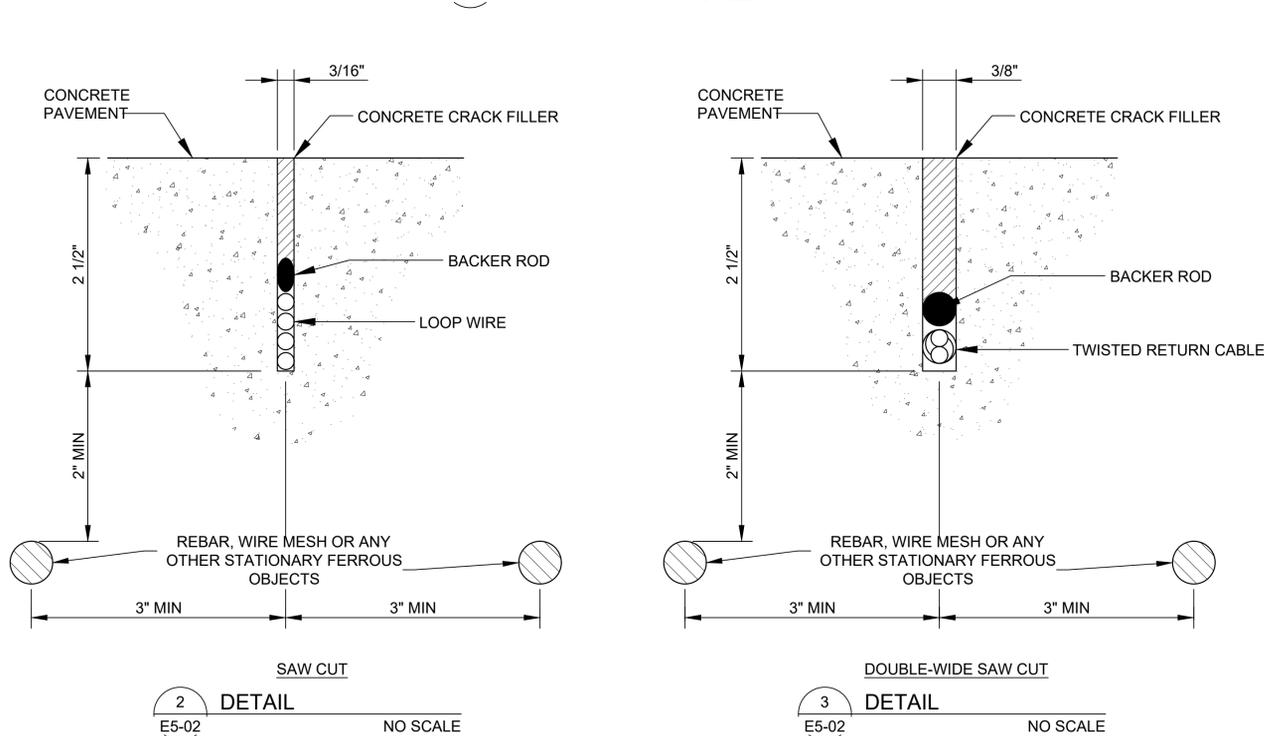
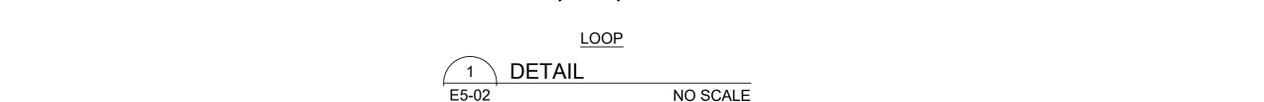
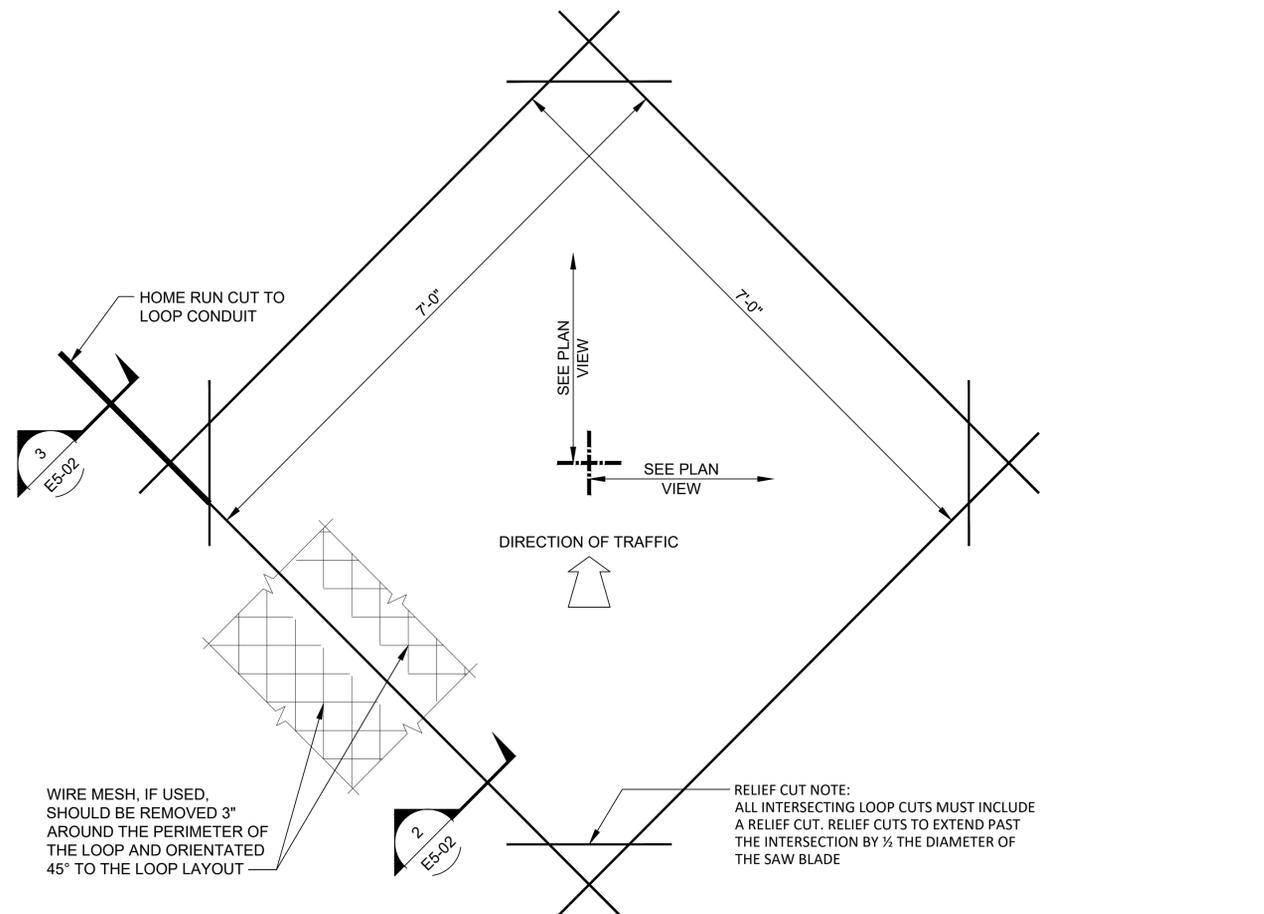
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NOTES:

1. SEE ABB PLANS FOR TRAFFIC LOOP DIMENSIONS. COORDINATE WITH SYSTEM VENDOR FOR LOOP DIMENSIONS AND SAW CUTS.
2. LOOP DETECTORS, LEAD-IN CABLES AND SPLICE ENCLOSURES SHALL BE PREFORMED ASSEMBLIES AS MANUFACTURED BY RENO A&E MODEL: PLH PREFORMED LOOP OR APPROVED EQUAL. SEE RENO A&E PH LOOP DETECTOR INSTALLATION MANUAL FOR INSTALLATION INSTRUCTIONS.
3. CONTRACTOR SHALL NOT SPLICE LOOP DETECTOR WIRE.
4. CONTRACTOR SHALL APPLY PROSEAL 6006 OR CHEMQUE Q-SEAL 290S LOOP SEALANT TO ALL SAW CUTS.
5. CONTRACTOR SHALL PROVIDE OWNER WITH MEGOHMMETER RESULTS FOR EACH INDUCTANCE LOOP AFTER INSTALLATION, DEMONSTRATING THAT EACH LOOP IS WITHIN APPROPRIATE INDUCTANCE AND RESISTANCE RANGES.

South Carolina PORTS AUTHORITY
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SOUTH CAROLINA INLAND PORT GREER TERMINAL
 SCIP GREER EXTERNAL CHASSIS YARD AGS
 LOOP DETECTOR DETAILS

SOUTH CAROLINA
 HDR ENGINEERING, INC.
 No. 00317
 STATE OF SOUTH CAROLINA

No. 16944
 02/05/26
 LEONARD L. OWENS

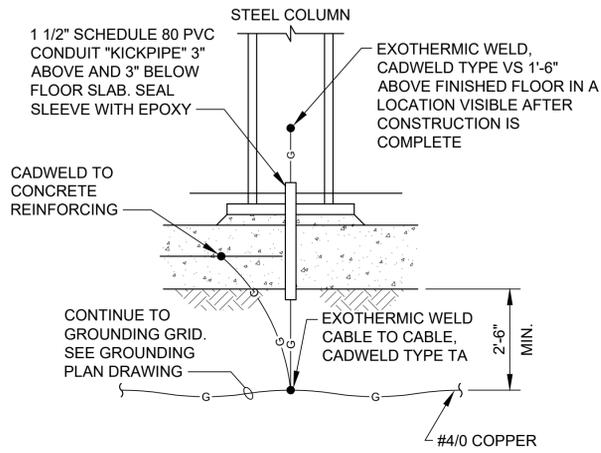
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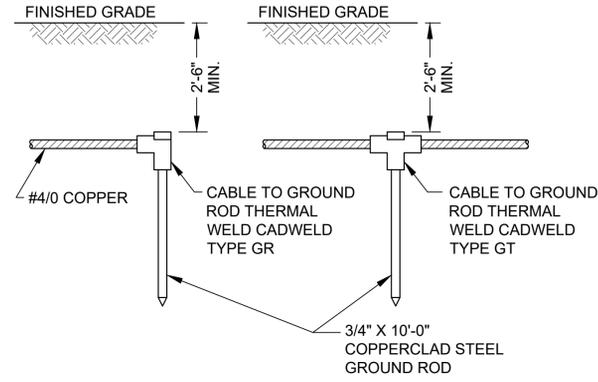
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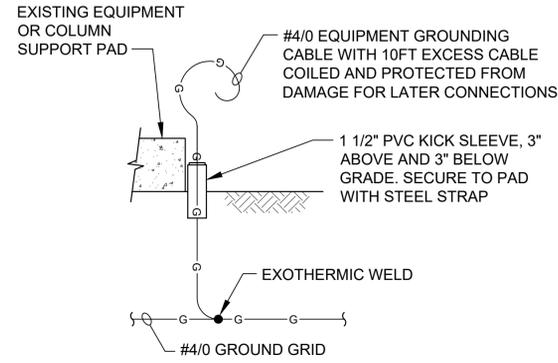
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1
E5-03
TYPICAL COLUMN GROUNDING
DETAIL



2
E5-03
TYPICAL GROUND ROD
DETAIL



3
E5-03
TYPICAL GROUND EQUIPMENT "STUB-UP"
DETAIL

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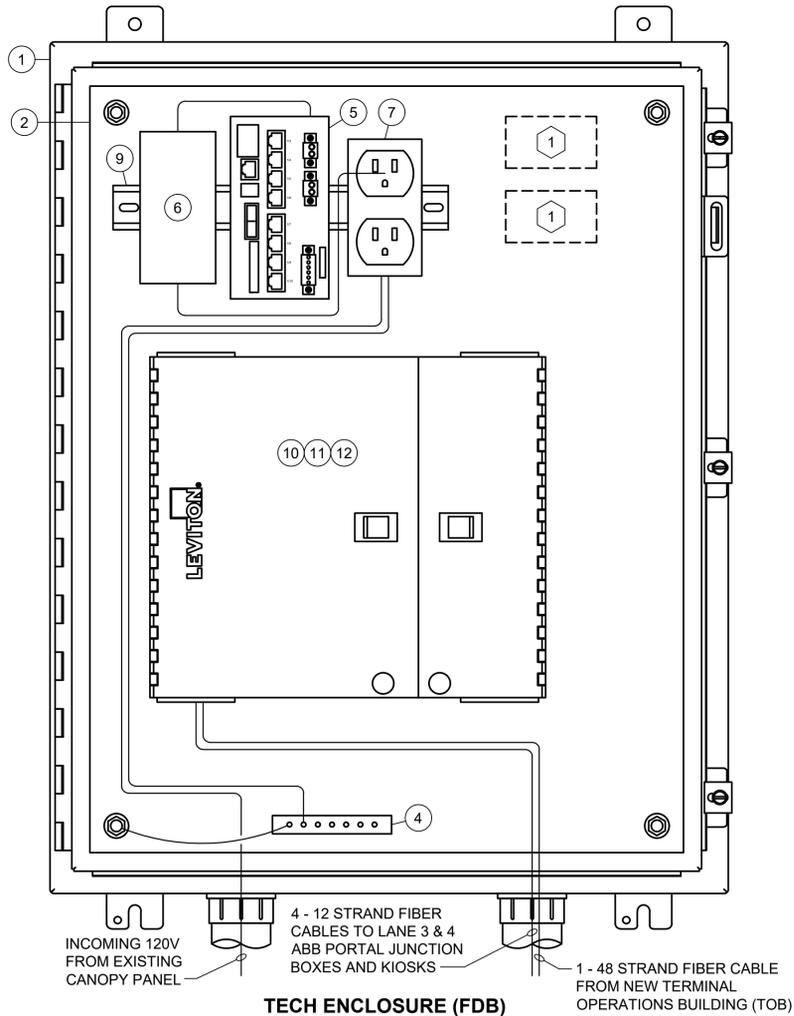
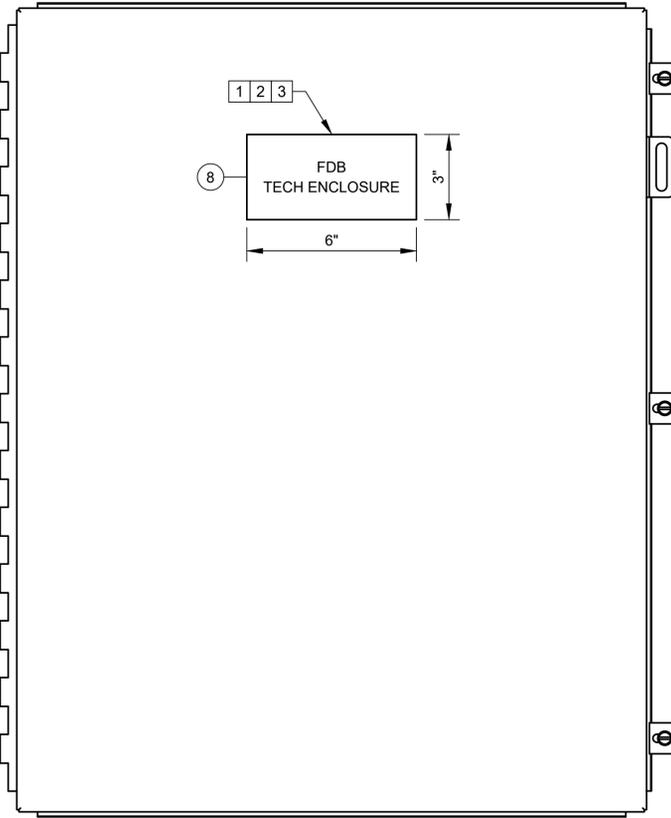
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SOUTH CAROLINA INLAND PORT GREER TERMINAL
SCIP GREER EXTERNAL CHASSIS YARD AGS
ELECTRICAL GROUNDING DETAILS



FILE NAME	10427804E5-03.DWG
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LIST OF MATERIAL

MARK	QTY	DESCRIPTION	REMARKS *
①	1	HOFFMAN, ENCLOSURE MOD. NO. A30H2410SS6LP, TYPE 316 STAINLESS STEEL, NEMA 4X PANEL 30"H X 24"W X 10"D (OR EQUAL)	CONTRACTOR
②	1	HOFFMAN, SUBPANEL MOD. NO. A30P24 27"H X 21"W (OR EQUAL)	CONTRACTOR
③	0	SURGE SUPPRESSORS - DITEK MRJPOE (NOT USED)	-
④	1	GROUNDING BAR	CONTRACTOR
⑤	1	CISCO MANAGED-HARDENED DIN RAIL MOUNTED SWITCH MODEL: IE-3200 8P2S	CONTRACTOR
⑥	1	MEAN WELL INDUSTRIAL DIN RAIL MOUNTED POWER SUPPLY - SDR-240-48	CONTRACTOR
⑦	1	20A, 120V DUPLEX RECEPTACLE, DIN RAIL MOUNTED	CONTRACTOR
⑧	1	NAMEPLATE (SEE NAMEPLATE CONSTRUCTION NOTES 1-3)	CONTRACTOR
⑨	1	DIN RAIL, LENGTH AS REQUIRED	CONTRACTOR
⑩	1	LEVITON WALL-MOUNTABLE INTERCONNECT CENTER MODEL: Opt-X SDX - 5WMNT-01C	CONTRACTOR
⑪	4	LEVITON ADAPTER PANEL - LC CONNECTORS MODEL: SDX - 5F100-4LL	CONTRACTOR
⑫	4	LEVITON INJECTION MOLDED, HIGH DENSITY FIBER SPLICE TRAY #T5PLS-24F	CONTRACTOR

* DENOTES RESPONSIBILITY FOR FURNISHING AND INSTALLING

NOTES:

- CONTRACTOR SHALL SEAL ALL CONDUITS ENTERING PANELS AND PROVIDE DESICCANT BAGS FOR MOISTURE CONTROL. CONTRACTOR SHALL ALSO DRILL A 1/8" WEEP HOLE IN BOTTOM OF BOTH ENCLOSURES.
- THE LOCATION AND INSTALLATION OF THE ENCLOSURE SHALL BE ADEQUATE TO PULL AND PROTECT FIBER OPTIC CABLE IN COMPLIANCE WITH THE CABLE MANUFACTURERS RECOMMENDATIONS AND INDUSTRY STANDARDS AND SHALL NOT CAUSE CABLE DAMAGE OR INTRODUCE HIGH INSTALLED CABLE STRESS POINTS THAT WOULD DEGRADE THE FIBER'S SIGNAL QUALITY.
- CONDUITS SHALL BE ATTACHED ON THE BOTTOM OR SIDE OF ENCLOSURES. PENETRATIONS IN THE TOP OF ANY ENCLOSURE IS NOT ACCEPTABLE.

NAMEPLATE CONSTRUCTION NOTES:

- IDENTIFICATION NO. LETTERS SHALL BE 3/8" HIGH. THERE SHALL BE 1/4" SPACE BETWEEN LINES.
- NAMEPLATE TO BE 1/8" THICK WHITE PHENOLIC WITH BLACK ENGRAVING CORE, BEVEL ALL EDGES.
- NAMEPLATE SHALL BE AFFIXED TO EQUIPMENT WITH EXTERIOR GRADE ADHESIVE.

KEYED NOTES:

- SPACE RESERVED FOR FUTURE ETHERNET DEVICE SURGE SUPPRESSORS, BILL OF MATERIALS ITEM #3.

South Carolina PORTS AUTHORITY

SOUTH CAROLINA INLAND PORT GREER TERMINAL

SCIP GREER EXTERNAL CHASSIS YARD AGS
TECH ENCLOSURE DETAILS

ENGINEERING DEPARTMENT
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PANEL NAME: CANOPY PANEL (EXISTING)				LOCATION: LOWER CHASSIS YARD CANOPY (NE CORNER)																	
VOLTAGE: 240 240/120V - 1PH 3W				AIC: 22KAIC																	
AMP RATING: 200A				FEEDER CONDUCTOR SIZE: EXISTING																	
MLO / MAIN BREAKER: 200A				FED FROM: POLE LINE (EXISTING)																	
LOAD NAME	WIRE SIZE	CONDUIT SIZE	BREAKER SIZE	POLES	CIRCUIT NUMBER	DEMAND FACTOR	PHASE A LOAD (VA)	PHASE A LOAD (VA)	PHASE B LOAD (VA)	PHASE B LOAD (VA)	DEMAND FACTOR	CIRCUIT NUMBER	POLES	BREAKER SIZE	CONDUIT SIZE	WIRE SIZE	LOAD NAME				
FDB TECH ENCLOSURE	2#12, #12G	3/4"	20A / 20A TANDEM	1	1	1.00					0.80	2	2	60A (FULL 1" PER POLE SPACE)	3/4"	EXISTING	CANOPY CONNEX				
SPARE				1	3	1.00				0.80	4										
LANE 3 BARRIER ARM	2#10, #12G	2	20A / 20A TANDEM	1	5	0.80				0.80	6										
LANE 3 PORTAL CKT. 1	2#10, #12G	2	20A / 20A TANDEM	1	7	0.80				0.80	8										
LANE 3 PORTAL CKT. 2	2#10, #12G	2	20A / 20A TANDEM	1	9	1.00				1.00	10	1	20A / 20A TANDEM	2	2#10, #12G	LANE 4 BARRIER ARM					
LANE 3 KIOSK	2#10, #12G	2	20A / 20A TANDEM	1	11	1.00				1.00	12	1	20A / 20A TANDEM	2	2#10, #12G	LANE 4 PORTAL CKT. 1					
SPARE			20A / 20A TANDEM	1	13	1.00				1.00	14	1	20A / 20A TANDEM	2	2#10, #12G	LANE 4 PORTAL CKT. 2					
SPARE				1	15	1.00				1.00	16	1	20A / 20A TANDEM	2	2#10, #12G	LANE 4 KIOSK					
CONNECTED LOAD PER PHASE							0								0						
TOTAL CONNECTED LOAD VA														0	CONNECTED AMPS AT 240V				0.0		
DEMAND LOAD PER PHASE							0								0	DEMAND AMPS AT 240V				0.0	
TOTAL DEMAND LOAD VA														0	DEMAND AMPS AT 240V				0.0		
DIVERSITY														1.0	DEMAND AMPS AT 240V				0.0		
LOAD TYPE "C" CONTINUOUS LOAD							DEMAND VOLT AMP (VA) CONTINUOUS		0							DEMAND AMPS CONTINUOUS		0.0			
LOAD TYPE "N" NONCONTINUOUS LOAD							DEMAND VOLT AMP (VA) NON-CONTINUOUS		0							DEMAND AMPS NON-CONTINUOUS		0.0			
											0.0		DEMAND FEEDER AMPS = [(1.25 X CONTINUOUS) + NON-CONTINUOUS]								

KEYED NOTES:

- 1 CONTRACTOR SHALL REPLACE THE FOUR (4) EXISTING SPARE 1-POLE, 1-SPACE 20A TYPE QP BREAKERS IN THE EXISTING CANOPY POWER PANEL WITH FOUR (4) 1/2 SPACE, 1-POLE 20A/20A TYPE QT TANDEM BREAKERS FOR POWER TO THE NEW ABB LANE EQUIPMENT AS SHOWN.
- 2 CONTRACTOR SHALL ROUTE WIRING FOR ALL EIGHT (8) NEW CIRCUITS IN SAME 2" C FROM THE EXISTING CANOPY POWER PANEL TO THE NEW HAND HOLE BETWEEN LANES 3 & 4.
- 3 CONTRACTOR SHALL REMOVE EXISTING SPARE 60A, 2-POLE, 2-SPACE TYPE QP BREAKER AND REPLACE WITH TWO (2) 1/2 SPACE, 1-POLE 20A/20A TYPE QT TANDEM BREAKERS.

South Carolina PORTS AUTHORITY
SOUTH CAROLINA INLAND PORT GREER TERMINAL
 SCIP GREER EXTERNAL CHASSIS YARD AGS ELECTRICAL PANEL SCHEDULES

ENGINEERING DEPARTMENT
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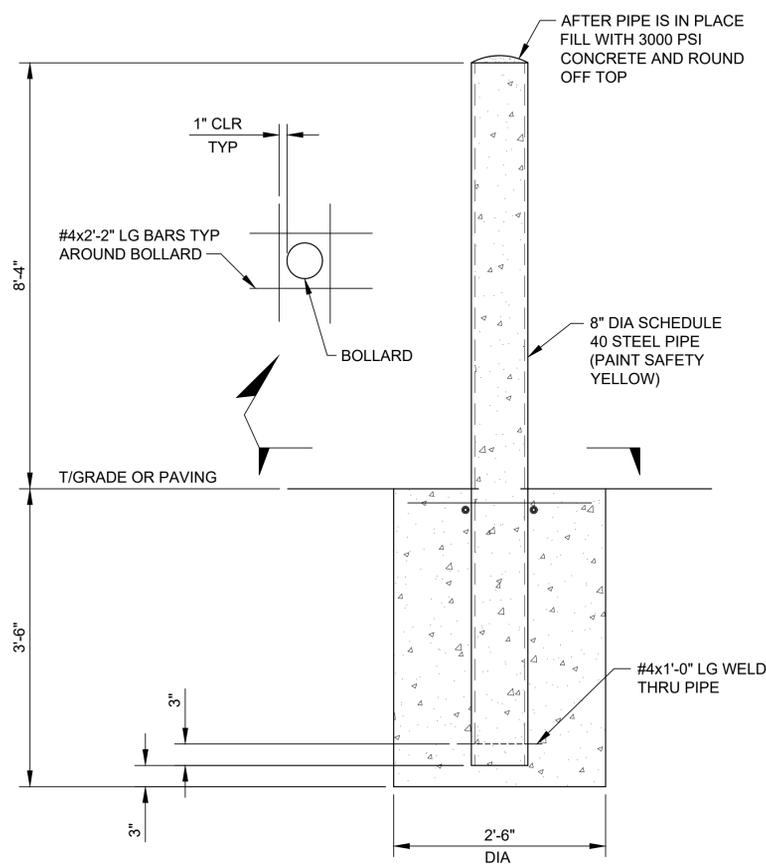

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DATE	FEB 2026		
SCALE	NONE		
PROJECT NUMBER	CIF25E005		
DRAWN BY	SGF		
CHECKED BY	DKT		
APPROVED BY	RLO		
SHEET NUMBER	E6-01		
REVISION NO.	0		

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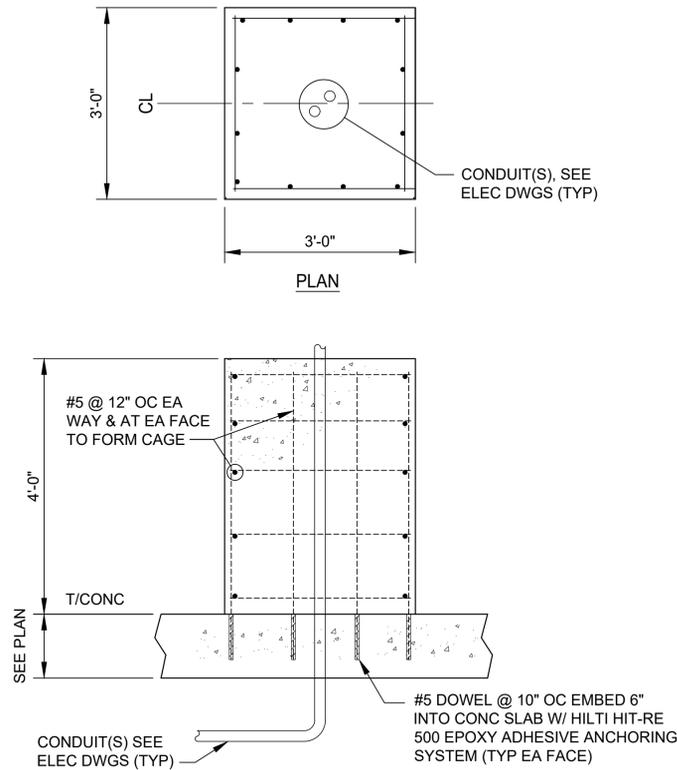


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REVISIONS			

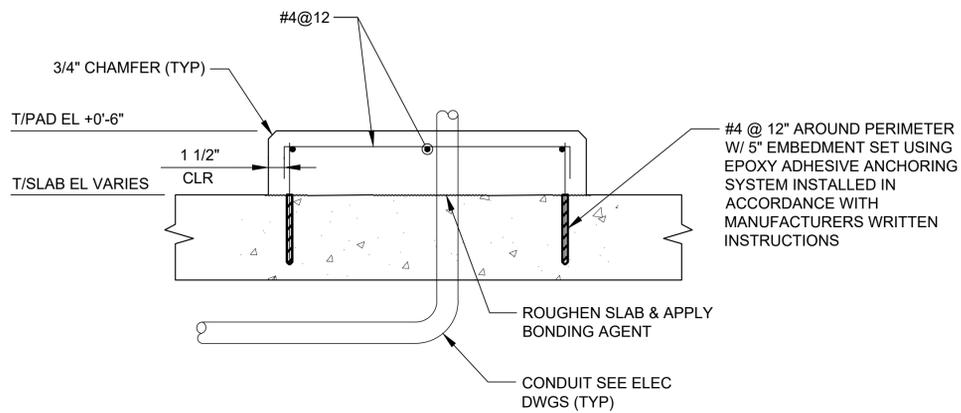
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1 DETAIL
S5-01
1" = 1'-0"



2 DETAIL
S5-01
3/4" = 1'-0"



3 SECTION
S5-01
NO SCALE

NOTES:

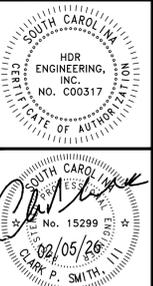
- COMPLY WITH PROVISIONS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," AND CRSI "MANUAL OF STANDARD PRACTICE," LATEST REVISIONS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED.
- UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
- ALL EXPOSED EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED 4 TO 6 PERCENT.
- WATER SHALL NOT BE ADDED TO CONCRETE AT THE JOB SITE BEYOND THE MIX DESIGN AMOUNT. ADDITIONAL WATER SERIOUSLY REDUCES CONCRETE STRENGTH AND INCREASES SHRINKAGE. REQUEST A "HIGH RANGE WATER REDUCER" (SUPERPLASTICIZER) FOR MORE WORKABLE CONCRETE.
- THE CONTRACTOR SHALL ENGAGE A TESTING AGENCY ACCEPTABLE TO THE ENGINEER TO DESIGN CONCRETE MIXES IF ACCEPTABLE FIELD-TESTED MIXES ARE NOT AVAILABLE. SUBMIT PROPOSED MIX DESIGN(S) TO THE ENGINEER FOR REVIEW WELL IN ADVANCE OF THE TIME FOR PLACING CONCRETE.
- ALL DEFORMED REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, LATEST REVISION, GRADE 60.
- UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES"-ACI 315.
- SPLICES FOR REINFORCING BARS SHALL BE CLASS "B" LAP SPLICES CALCULATED USING THE APPROPRIATE ACI CATEGORY, UNLESS NOTED OTHERWISE.
- EMBED ENDS OF BARS FOR FULL TENSION DEVELOPMENT LENGTH, UNLESS OTHERWISE DETAILED.
- HOOKS AT ENDS OF BARS SHALL BE ACI STANDARD 90 DEG. HOOKS UNLESS NOTED OTHERWISE.
- ALL REINFORCING BAR SPLICE LENGTHS AND LOCATIONS, EMBEDMENT LENGTHS, HOOKS, ETC., SHALL BE MADE AS SHOWN ON THE DRAWINGS. DEVIATIONS SHALL ONLY BE MADE UPON APPROVAL OF THE ENGINEER.
- UNLESS OTHERWISE NOTED, CHAMFER ALL EXPOSED CONCRETE CORNERS WITH A 3/4 INCH X 45 DEGREE CHAMFER.
- AN INDEPENDENT TESTING AGENCY SHALL PERFORM TESTING OF FIELD-PLACED CONCRETE. THE AGENCY SHALL PREPARE, STORE, AND TEST ALL CONCRETE TEST CYLINDERS IN ACCORDANCE WITH ACI 301 AND ASTM C172, C31, AND C39. AT LEAST ONE COMPLETE SET OF TEST CYLINDERS SHALL BE PREPARED FOR EVERY 100 CUBIC YARDS PLACED. A SET CONSISTS OF THREE TEST CYLINDERS: ONE CYLINDER TO BE TESTED AT 7 DAYS AND 2 CYLINDERS TO BE TESTED AT 28 DAYS. NOTIFY ENGINEER IMMEDIATELY IF ANY 28 DAY STRENGTH TEST FALLS BELOW THE SPECIFIED STRENGTH. IN ADDITION, SLUMP, AIR CONTENT, AND CONCRETE TEMPERATURE MEASUREMENTS SHALL BE TAKEN.

KEYED NOTES:

1 -

South Carolina PORTS AUTHORITY
ENGINEERING DEPARTMENT
200 MOUNT AUTHORITY DRIVE
MOUNT PLEASANT, SC 29464
PH: (843)866-7048
FAX: (843)866-7067

SOUTH CAROLINA INLAND PORT GREER TERMINAL
SCIP GREER EXTERNAL CHASSIS YARD AGS
STRUCTURAL DETAILS



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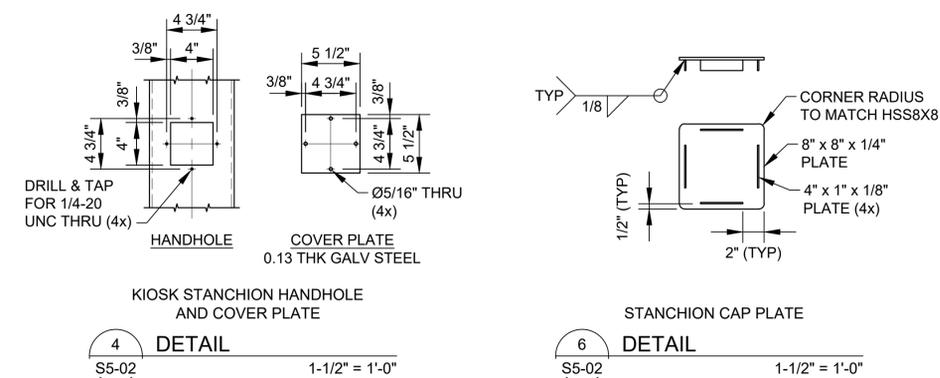
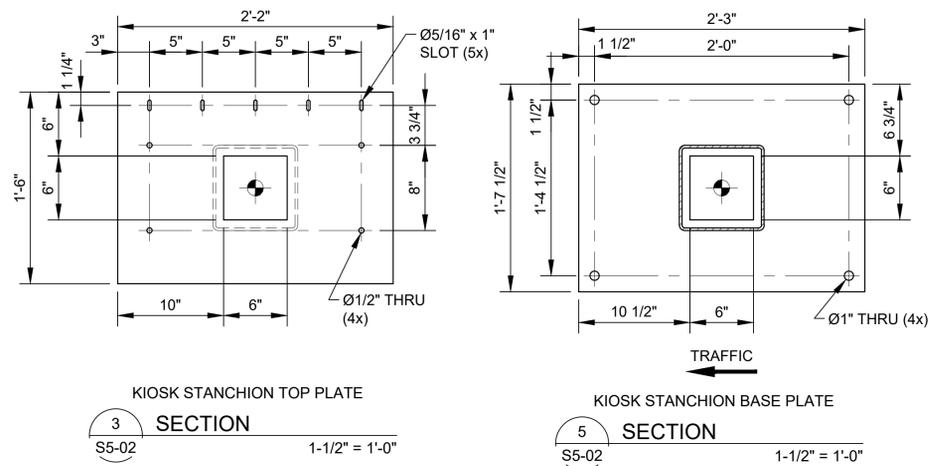
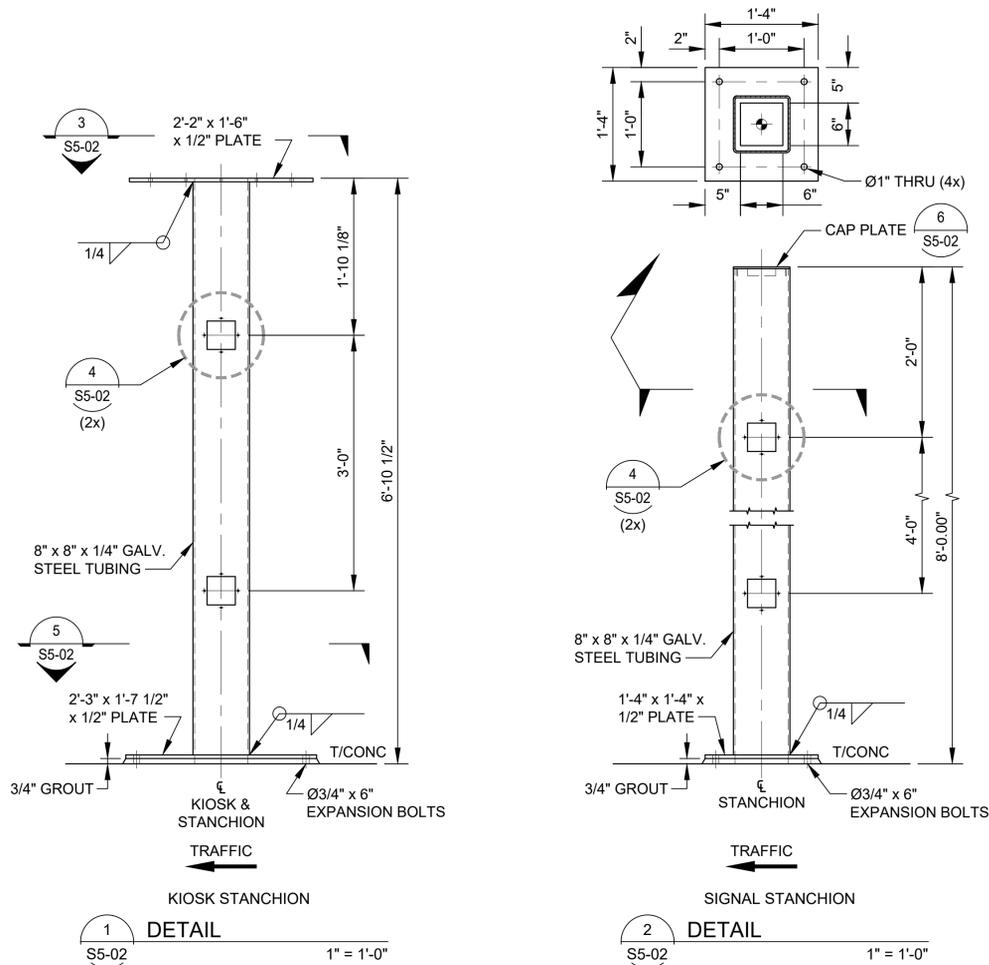
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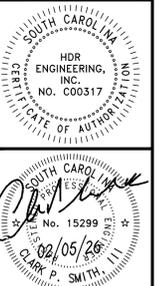
NOTES:

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS-AISC 360.
2. DAMAGED GALVANIZED SURFACES ON STRUCTURAL STEEL ARE TO BE REPAIRED IN ACCORDANCE WITH ASTM A780 (SPRAY GALVANIZING IS PROHIBITED).
3. ALL GROUT FOR USE UNDER BEARING PLATES, EQUIPMENT BASES, ETC. TO BE NON-SHRINK, NON-METALIC, PRE-MIXED GROUT CONFORMING TO ASTM C 827.
4. UNLESS OTHERWISE NOTED ALL ANCHORS SHALL BE ASTM A36, FY=36 KSI GALVANIZED THREADED RODS (SEE DRAWINGS FOR DIAMETER AND PROJECTION). SET USING AN EPOXY ADHESIVE ANCHORING SYSTEM SUCH AS HILTI "HIT RE 500 V3" INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS. UNLESS OTHERWISE SHOWN, MINIMUM EMBEDMENT IN CONCRETE TO BE 8 TIMES THE ROD DIAMETER.
5. UNLESS OTHERWISE NOTED ALL STRUCTURAL STEEL SHALL BE ASTM A992, GRADE 50, FY=50 KSI. MISCELLANEOUS STEEL, ANCHOR BOLTS, BRACING AND CONNECTION ANGLES AND PLATES SHALL BE ASTM A36, FY=36 KSI.
6. STRUCTURAL TUBING STEEL (NOTED "HSS") SHALL BE ASTM A500 GRADE B, FY=46 KSI. STEEL PIPE (NOTED "HSS") SHALL BE ASTM A53, TYPES E OR S, GRADE B, FY=35 KSI (MIN.).
7. ALL CONNECTIONS SHALL BE WELDED OR HIGH STRENGTH BOLTED. WELDS SHALL BE E70XX AND BOLTS SHALL BE GALVANIZED * DIAMETER A325-N 4 (THREADS IN SHEAR PLANE). UNLESS NOTED OTHERWISE ALL STRUCTURAL WELDS TO BE MADE BY CERTIFIED WELDERS. CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE - STEEL", LATEST EDITION.
8. ALL EXTERIOR STEEL SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER FABRICATION (SPRAY GALVANIZING IS PROHIBITED).

KEYED NOTES:

1 -

South Carolina PORTS AUTHORITY
 SOUTH CAROLINA INLAND PORT GREER TERMINAL
 SCIP GREER EXTERNAL CHASSIS YARD AGS
 STRUCTURAL DETAILS



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