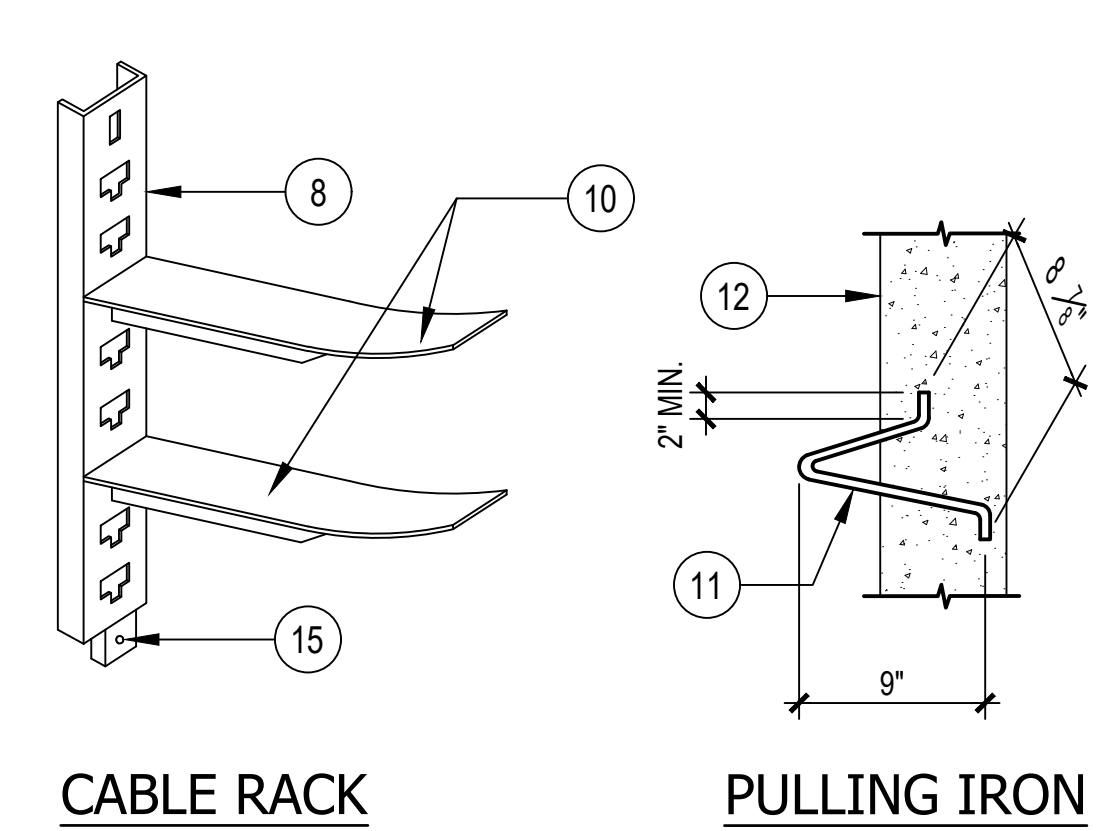
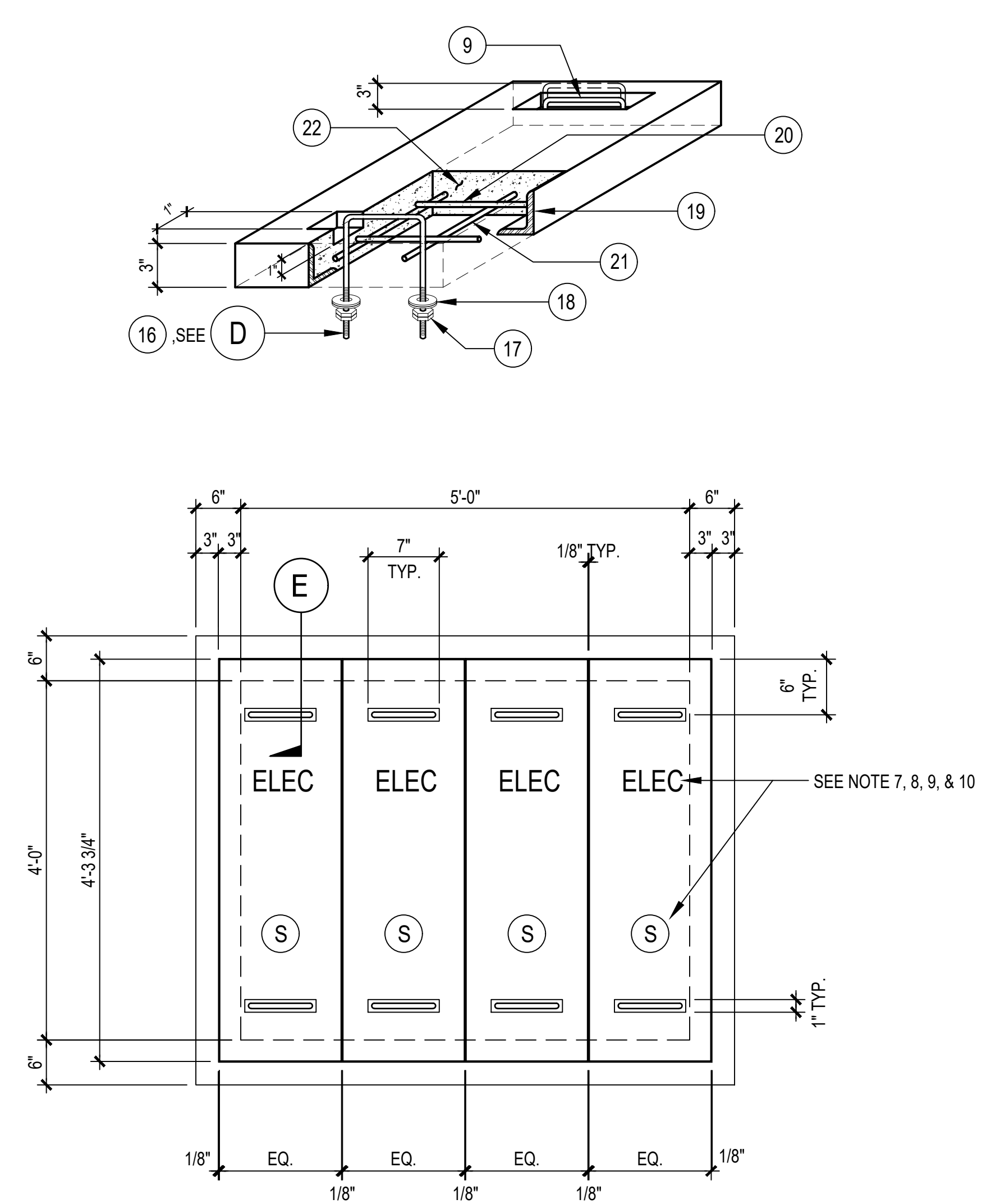


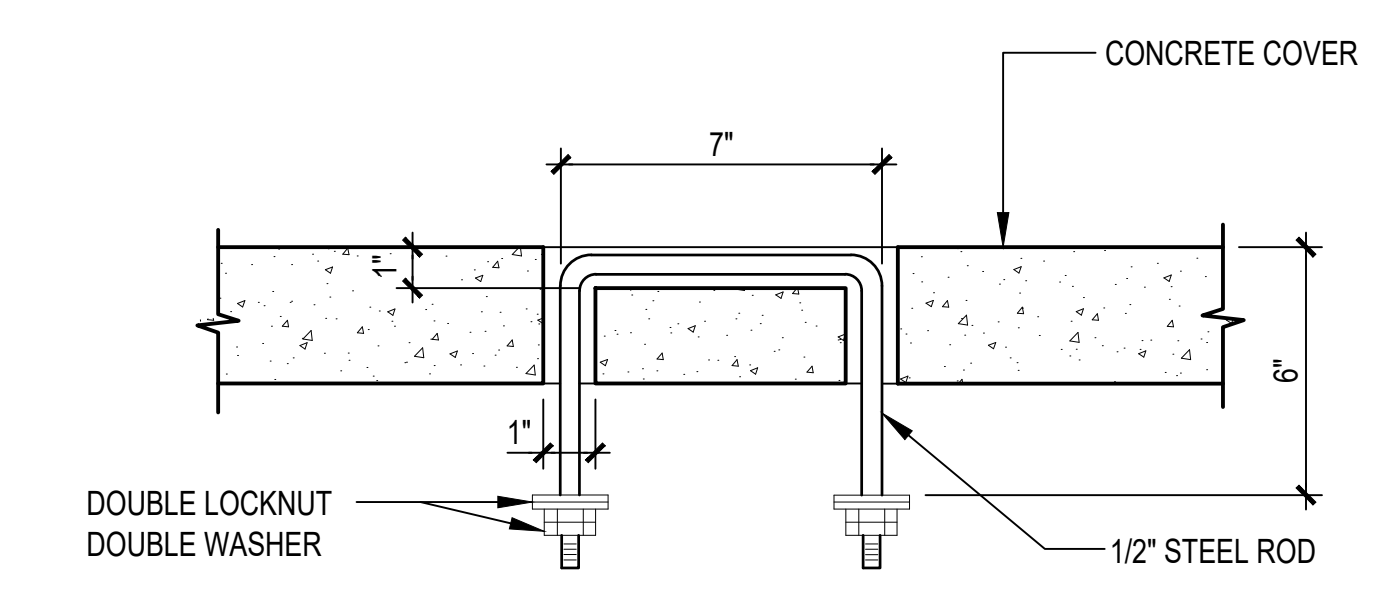
A HANDHOLE DETAIL
NOT TO SCALE



CABLE RACK
PULLING IRON
NOTES:
1. PROVIDE A MINIMUM OF 2 CABLE RACKS PER RACKING WALL OF EACH HANDHOLE.
C CABLE RACK, AND PULLING IRON DETAILS
NOT TO SCALE



B HANDHOLE COVER DETAIL
NOT TO SCALE

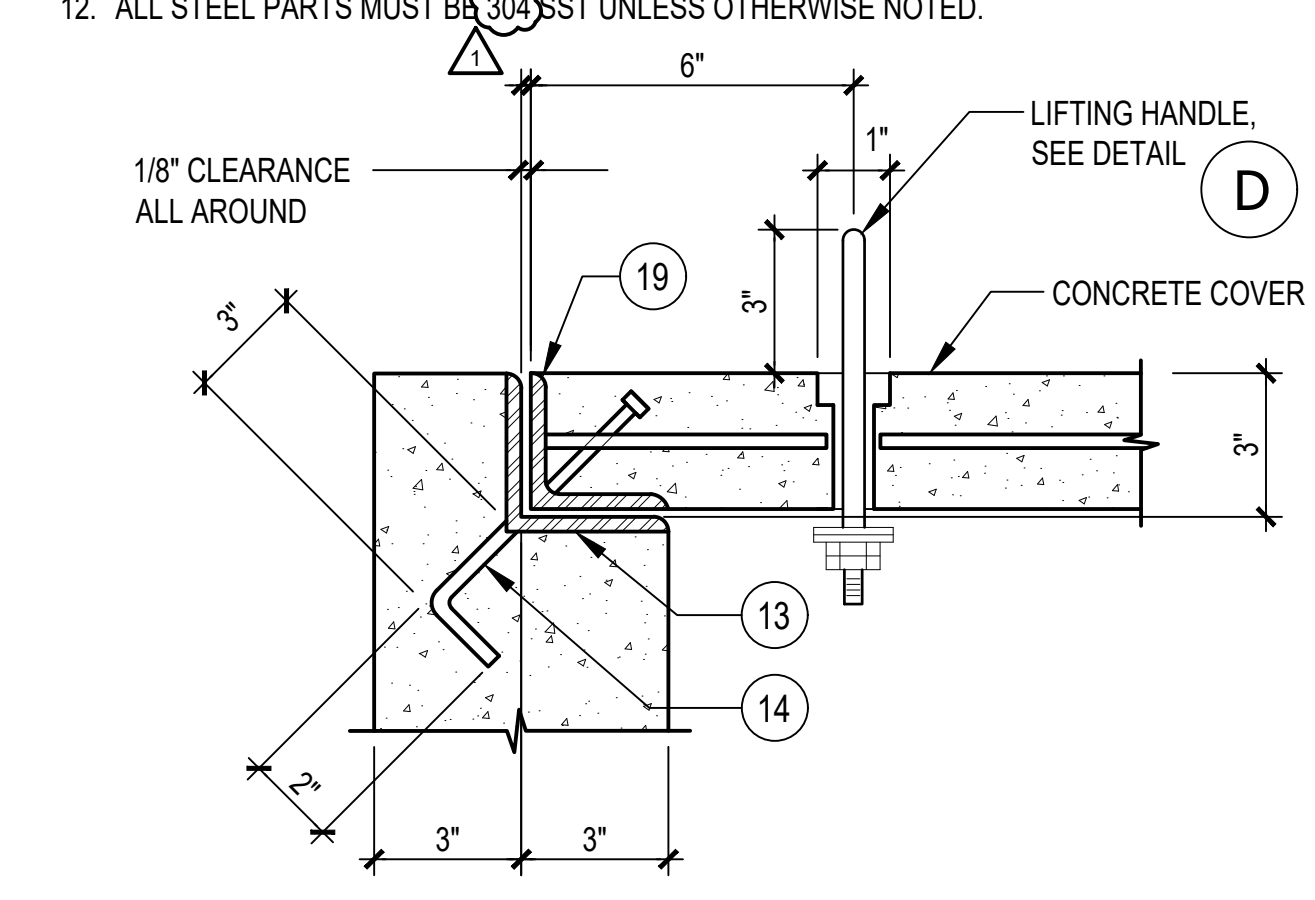


D LIFTING HANDLE DETAIL
NOT TO SCALE

1 4' X 5' X 5' HANDHOLE DETAIL
NOT TO SCALE

BILL OF MATERIALS	
ITEM	
1	3/4"Ø X 10'-0" COPPER WELD GROUND ROD
2	3/4"Ø COPPER GROUND ROD CLAMP
3	3/4"Ø MAXIMUM GRAVEL SIZE, FILL TO FINISH FLOOR
4	#4 REBAR @ 10" O.C. VERTICAL
5	#4 REBAR @ 10" O.C. HORIZONTAL
6	#6 COPPER WIRE (SOLID) FOR GROUNDING HARDWARE
7	CONDUIT WITH END BELL 6" FROM FLOOR SLAB, SIZE AND QUANTITY AS REQUIRED
8	CABLE RACK (NON METTALIC/FIBERGLASS)
9	1/2"Ø STEEL ROD LIFTING HANDLE, 304 SST
10	INSULATOR WELDED SUPPORT
11	PULLING IRON 7/8"Ø 304 SST, LOCATED AT OPPOSITE END OF EACH CONDUIT ENTRANCE
12	6" THICK CONCRETE FLOOR SLAB AND WALL AT 3000 PSI YIELD STRENGTH OF GRADE 40 FOR REBARS
13	3" X 3" X 3/8" ANGLE IRON, 304 SST
14	3/8"Ø 304 SST ROD WELDED TO FRAME EVERY 12" O.C.
15	SLOT FOR 1/2" EXPANSION ANCHOR, 304 SST
16	1/2"Ø STEEL LIFTING DEVICE GALVANIZED
17	DOUBLE LOCKNUT, 1/2"Ø HOLE
18	DOUBLE ROUND WASHER 2"Ø WITH 5/8"Ø HOLE
19	3" X 3" X 1/4" ANGLE IRON, 304 SST
20	#4 HOR. REBAR WELDED TO ANGLE FRAME
21	#4 VERT. REBAR WELDED TO ANGLE FRAME AND OTHER REBAR
22	3" THICK CONCRETE AT 3000 PSI

- NOTES:
- COORDINATE LAYOUT AND EXACT DIMENSIONS WITH UTILITY PROVIDER PRIOR TO INSTALLATION.
 - THIS HANDHOLE IS TO BE USED IN LOCATIONS WHERE NOT MORE THAN 3 JUNCTIONS OF SECONDARY WILL BE INSTALLED.
 - GROUND ALL HARDWARE IN THE HANDHOLE.
 - TOP OF THE HANDHOLE SHALL BE FLUSH WITH THE SIDEWALK SURFACE, OTHERWISE THERE SHOULD BE A 2" CLEARANCE FROM THE FINISHED GROUND SURFACE.
 - AREA OF CONDUIT ENTRANCES SHOULD BE 6" MINIMUM FROM THE FLOOR SLAB, 10" MINIMUM FROM THE LEFT OR RIGHT SIDE WALL, AND 15" MINIMUM FROM THE TOP OF THE HANDHOLE.
 - PROVIDE APPROXIMATE 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND LEDGE SIDES.
 - ALL LETTERING SHALL BE 3" WITH A 1/4" EMBEEMMENT.
 - INDICATE "CUC" ON EVERY HANDHOLE COVER WITH THE LETTER "P" FOR PRIMARY AND CENTERED AS SHOWN.
 - INDICATE "ELEC" ON EVERY HANDHOLE COVER WITH THE LETTER "S" FOR SECONDARY AND CENTERED AS SHOWN.
 - COAT EXTERIOR WALLS TO PREVENT INFILTRATION OF LIQUIDS SUCH AS WATER AND OIL.
 - SEAL CONDUITS AND OTHER ENTRIES INTO THE HANDHOLE.
 - ALL STEEL PARTS MUST BE 304 SST UNLESS OTHERWISE NOTED.



E COVER SEAT MOUNTING DETAIL
NOT TO SCALE

IF SHEET IS LESS THAN 24" X 36"
REDUCED PRINT - USE GRAPHIC SCALES

REVISIONS		
No.	Description	Date
△	ADDENDUM 1	12/6/22
TRMA Taniguchi Ruth Makio Architects 100 Cliff Business Center, P.O. Box EA, Agaña, GU 96910 Tel.: (671) 475-8772 • Fax.: (671) 472-3381		
Architecture Planning Interior Design		
EMCE EMCE • Consulting engineers SUITE 201, 133 ANTONIA COURT P.O. BOX 8888 TAMUNING, GUAM 96931 671 . 649-0166/7 Phone 671 . 646-EMCE (3623) Fax		
 I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION <i>Peter V. Mariano</i> DATE: 10/7/2022		
Project: NMC PACKAGE 1: STUDENT CENTER BUILDING		
Title: ELECTRICAL DETAILS - SHEET 7 CONSTRUCTION DOCUMENTS		
Designed: JF/LB		
Drawn: NP/RS		
Checked: IA/AM		
Supv: AM		
Scale: AS INDICATED		
Date: 10/07/2022		
Project No.	File	
Drawing No. E9.7		
Sheet No. _____ of _____		