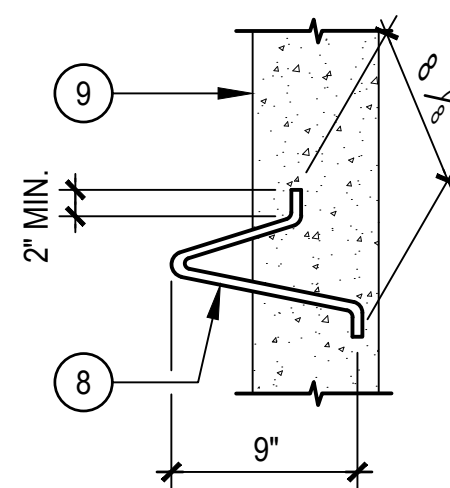
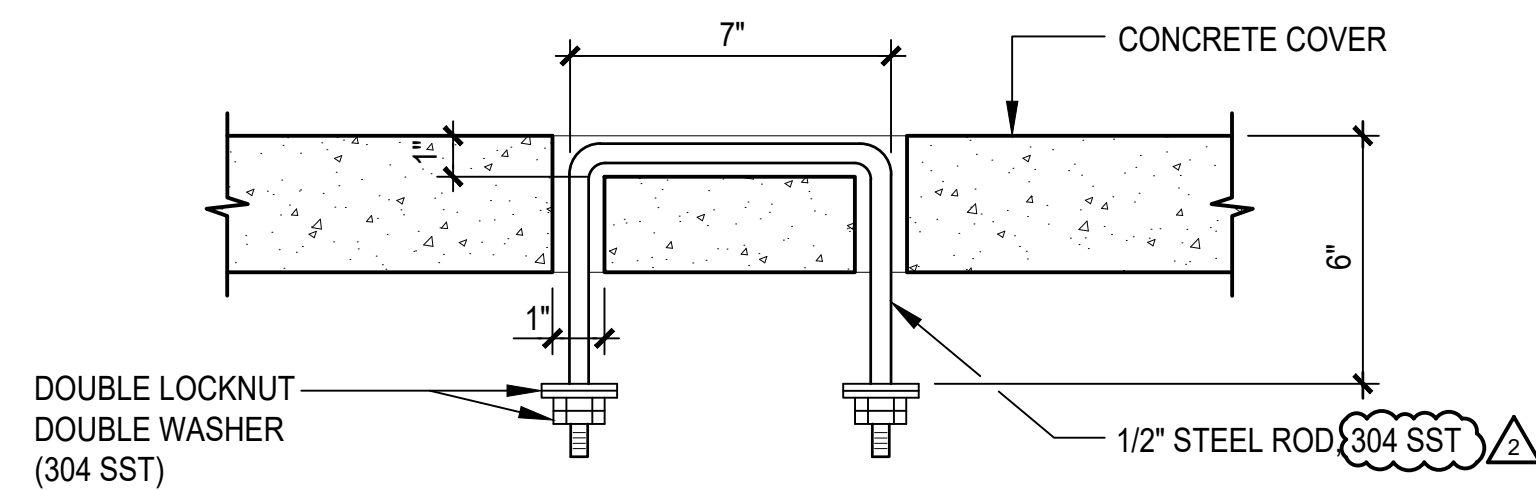


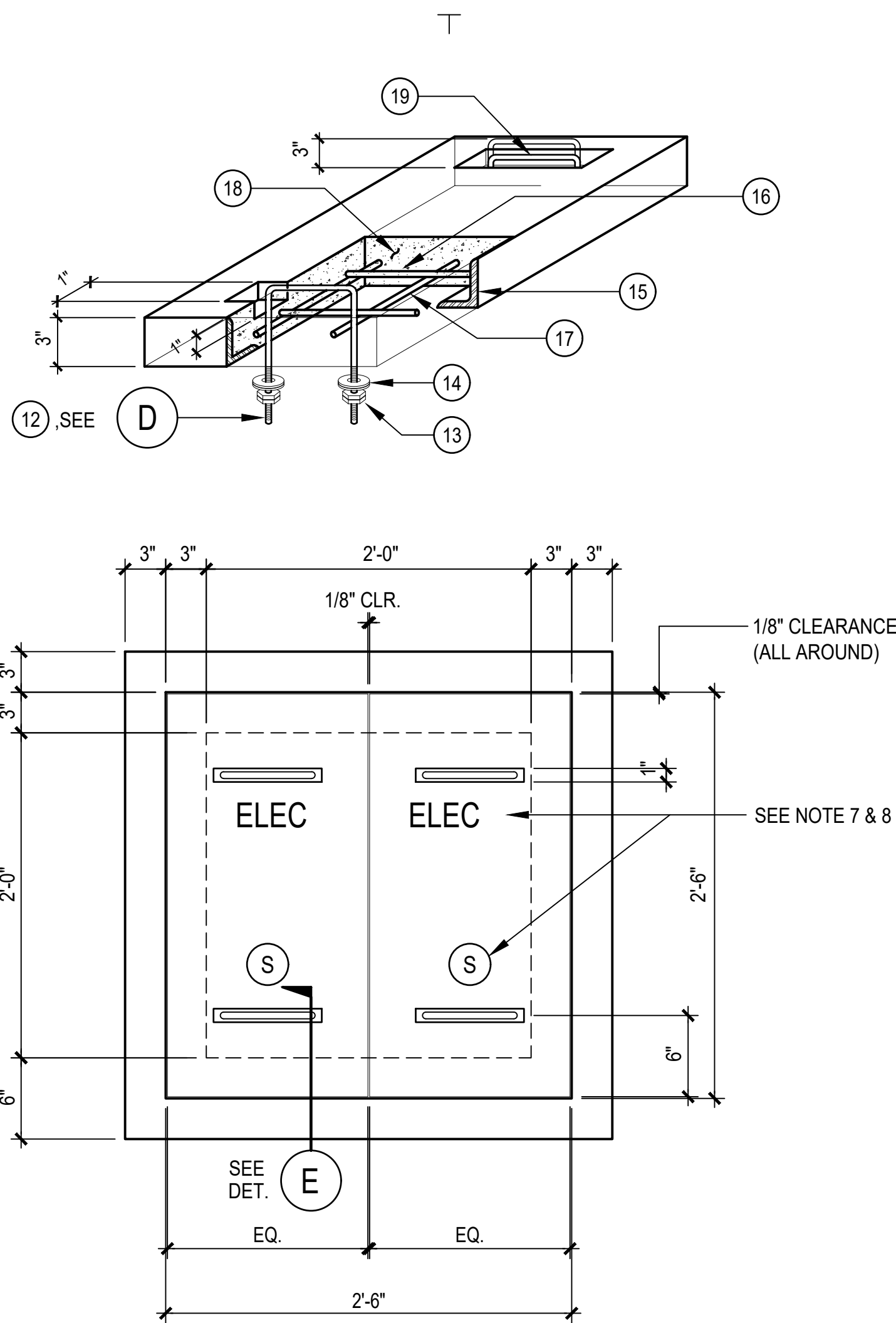
**A HANDHOLE DETAIL**  
NOT TO SCALE



**C PULLING IRON DETAILS**  
NOT TO SCALE

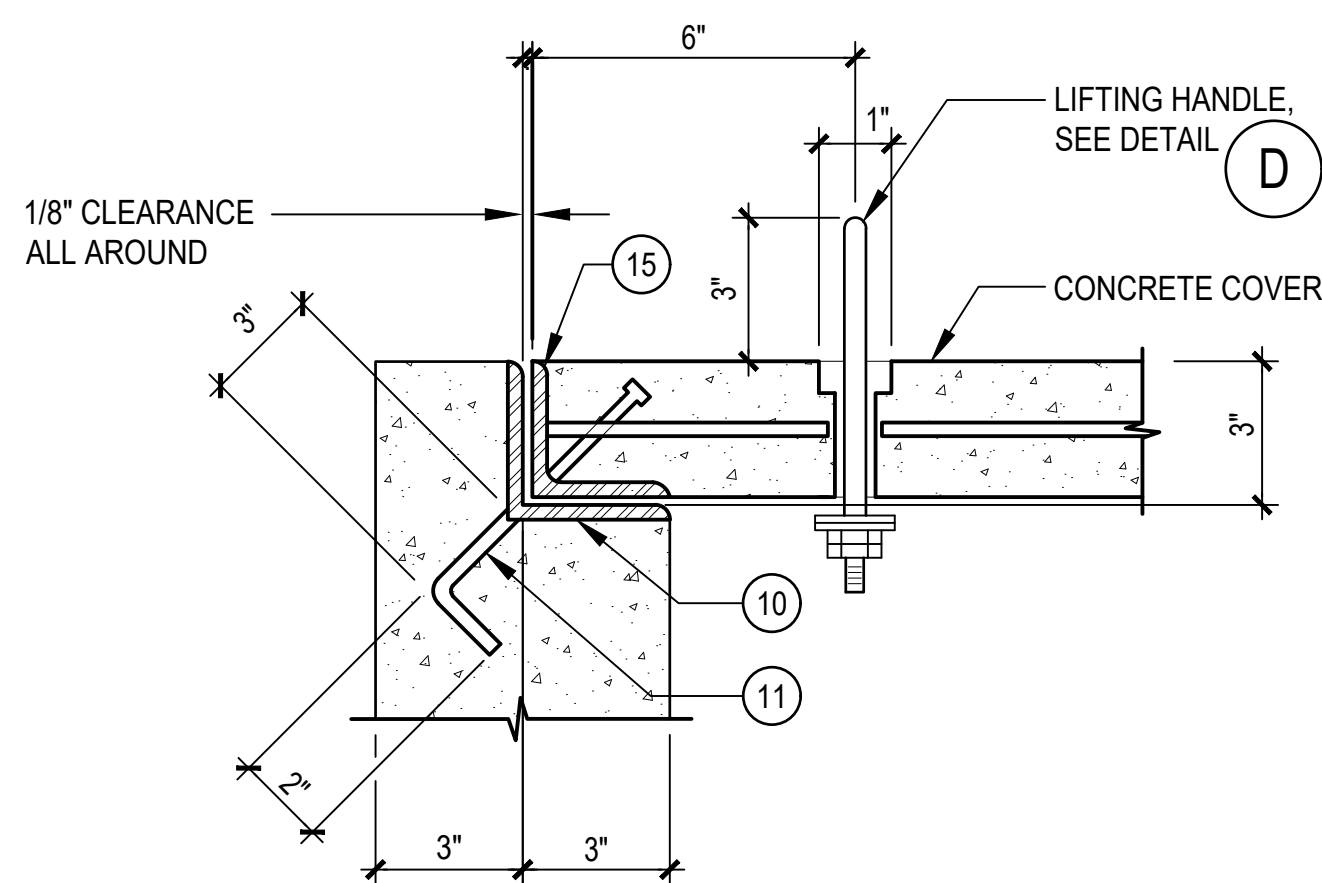


**D LIFTING HANDLE DETAILS**  
NOT TO SCALE



**PLAN**

**B HANDHOLE COVER DETAIL**  
NOT TO SCALE



**E COVER SEAT MOUNTING DETAIL**  
NOT TO SCALE

**1 2' X 2' X 3' HANDHOLE DETAIL**  
NOT TO SCALE

ITEM	BILL OF MATERIALS
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	PULLING IRON 7/8"Ø 304 SST, LOCATED AT OPPOSITE END OF EACH CONDUIT ENTRANCE
9	6" THICK CONCRETE FLOOR SLAB AND WALL AT 3000 PSI YIELD STRENGTH OF GRADE 40 FOR REBARS
10	3" X 3" X 3/8" ANGLE IRON, 304 SST
11	3/8"Ø SSTL ROD WELDED TO FRAME EVERY 12" O.C.
12	1/2"Ø SSTL LIFTING DEVICE, 304 SST
13	DOUBLE LOCKNUT, 1/2"Ø HOLE, 304 SST
14	DOUBLE ROUND WASHER 2"Ø WITH 5/8"Ø HOLE, 304 SST
15	3" X 3" X 1/4" ANGLE IRON, 304 SST
16	#4 HORIZONTAL REBAR WELDED TO ANGLE FRAME
17	#4 VERTICAL REBAR WELDED TO ANGLE FRAME AND OTHER REBAR
18	4" THICK CONCRETE AT 3000 PSI
19	1/2"Ø STEEL ROD LIFTING HANDLE, 304 SST

**NOTES:**

- COORDINATE LAYOUT AND EXACT DIMENSIONS WITH NMC 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" EMBEDMENT.
- INDICATE "ELEC" ON EVERY HANDHOLE COVER. WITH LETTERS "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.

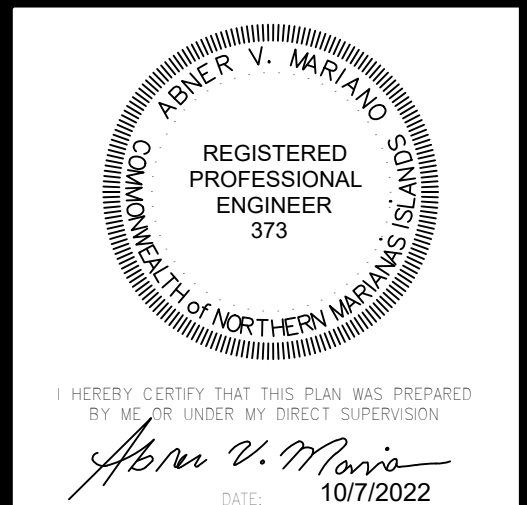


REVISIONS		
No.	Description	Date
1	ADDENDUM 1	12/6/22
2	ADDENDUM 2	01/16/23

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Interior Design

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Project:  
NMC  
PACKAGE 2: EXTERIOR  
IMPROVEMENTS - SITE WORK  
ADDITIVE BID ITEM #1

Title:  
ELECTRICAL DETAILS -  
SHEET 10

100% CONSTRUCTION  
DOCUMENTS

Designed: JF/LB  
Drawn: NP/RS  
Checked: IA/AM  
Supv: AM  
Scale: AS INDICATED  
Date: 09/28/2022  
Project No. 24-22-293  
Drawing No.

**E9.10**

Sheet No. of