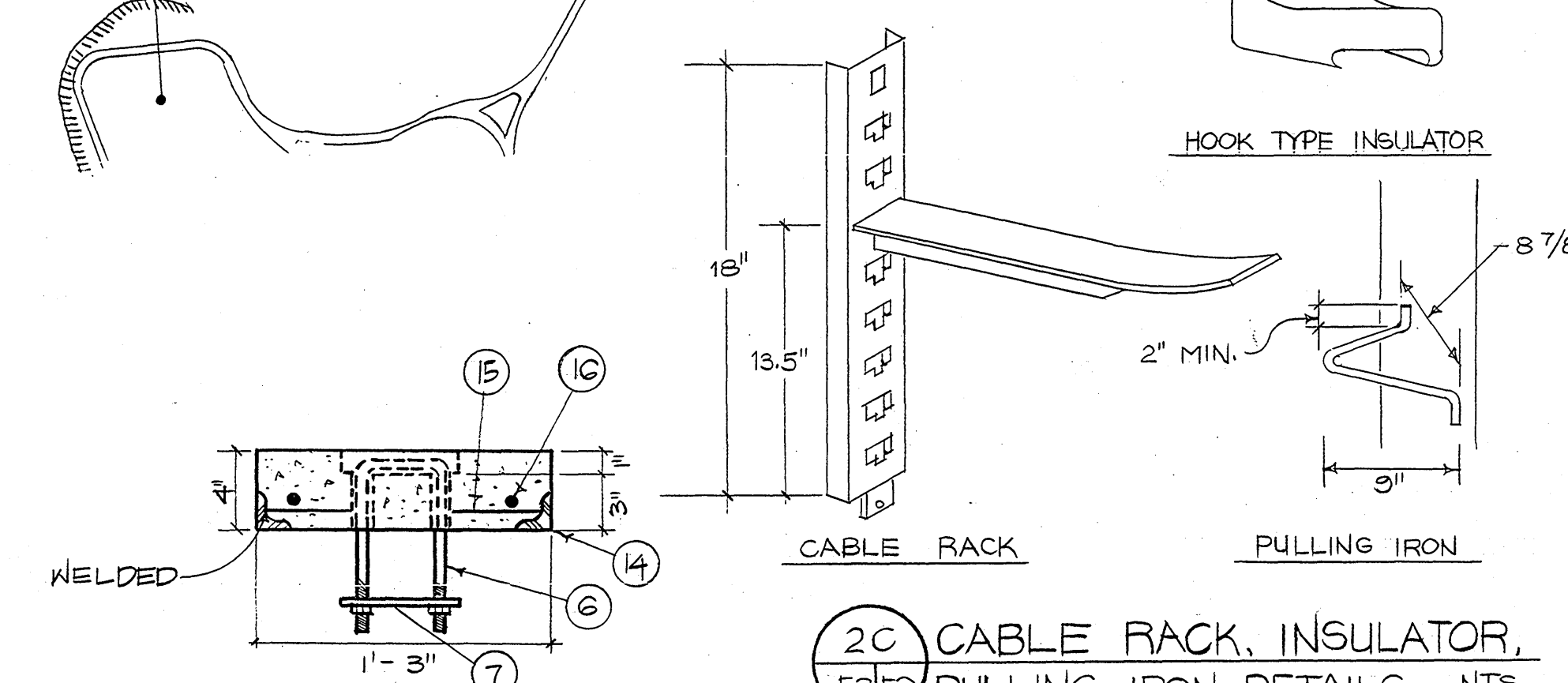
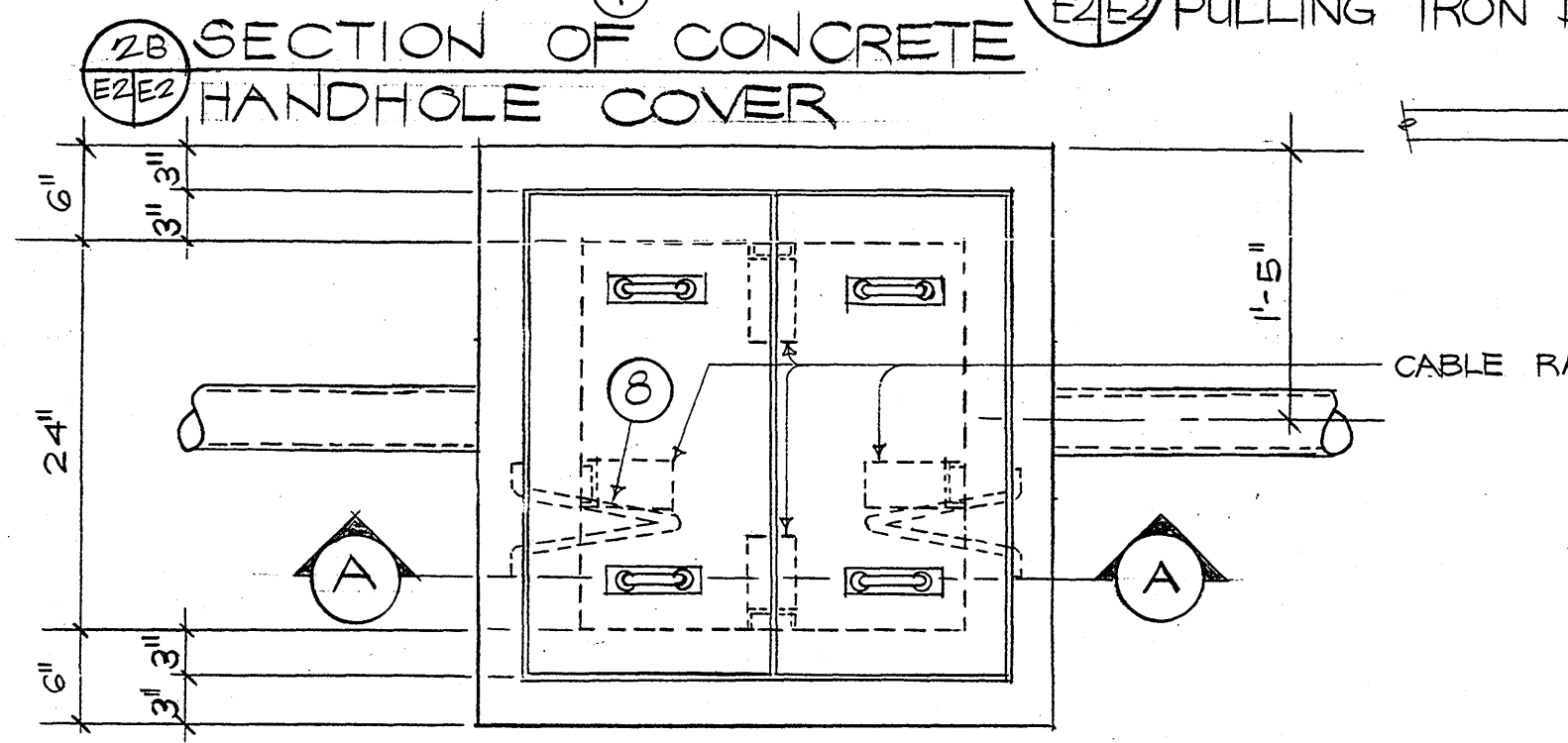


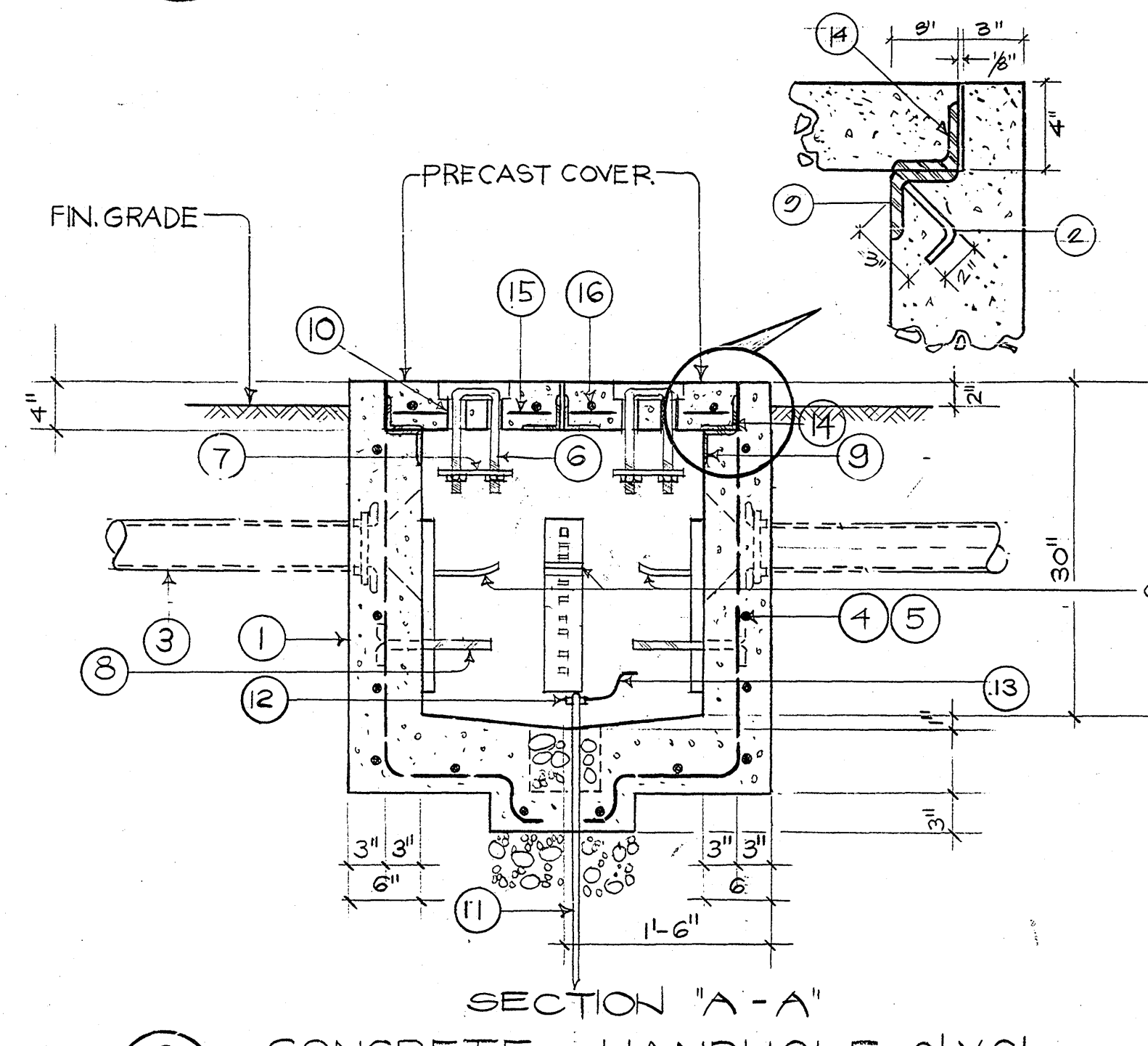
1 CONTROL CABLE LAYOUT PLAN
 E1/E3 E2/E2 SCALE: 1" = 400'-0"



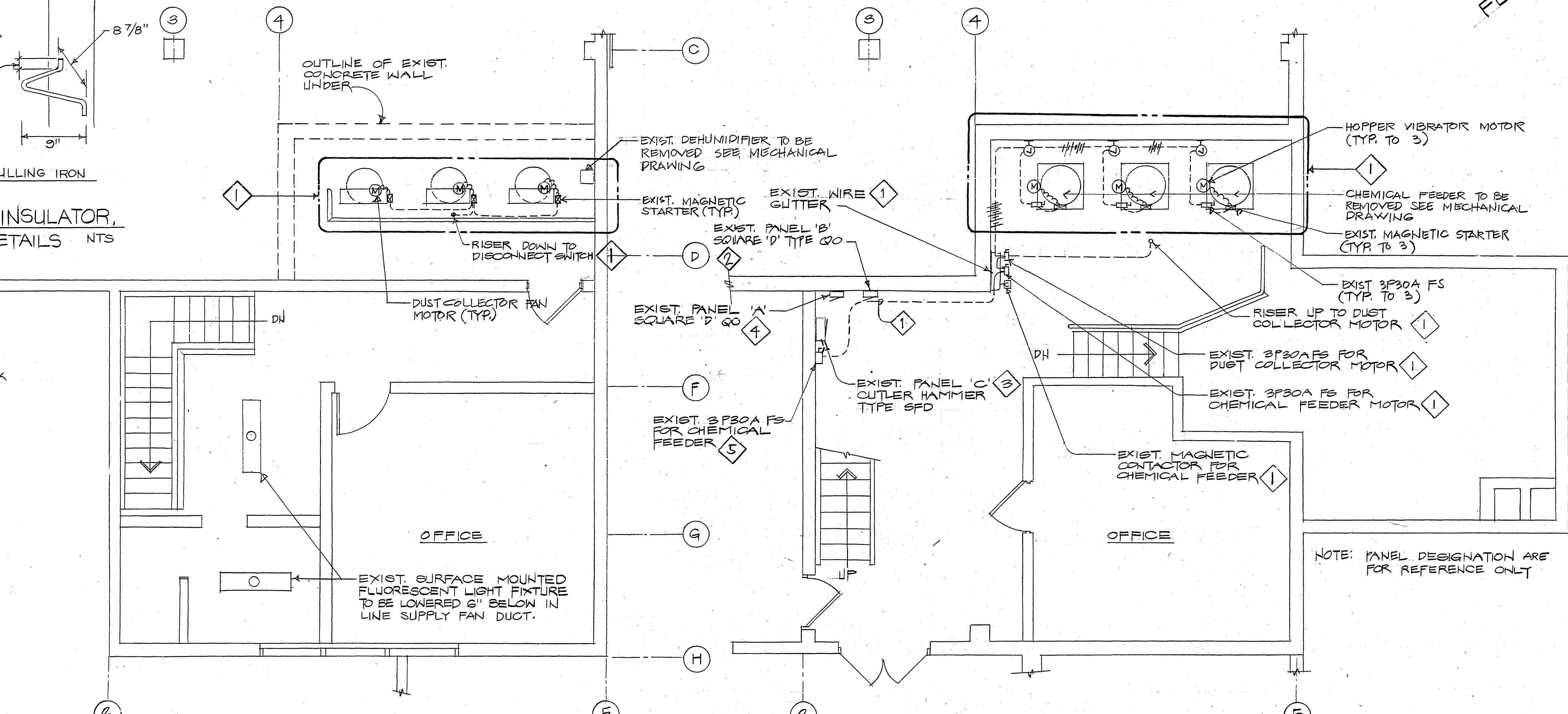
2C CABLE RACK, INSULATOR, PULLING IRON DETAILS NTS
 E2/E2



2A PLAN OF CONCRETE HANDHOLE NTS
 E1/E2 E2/E2



2 CONCRETE HANDHOLE 2'X2' NTS
 E1/E2 E2/E2

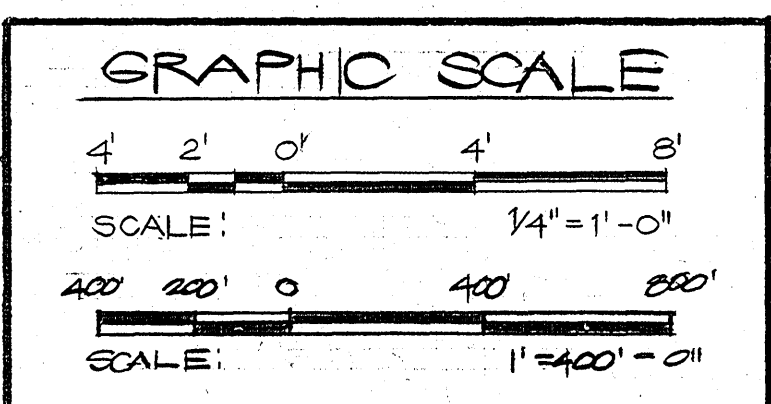


3 EXISTING PARTIAL ELECTRICAL PLAN BASEMENT CHEMICAL BLDG SCALE: 1/4" = 1'-0"
 E1/E3 E2/E2

4 EXISTING PARTIAL ELECTRICAL PLAN GROUND FLOOR CHEMICAL BLDG SCALE: 1/4" = 1'-0"
 E1/E3 E2/E2

REMOVAL AND MODIFICATION NOTES

- 1 REMOVE EXISTING ELECTRICAL DEVICES, CONDUIT & WIRING.
- 2 EXISTING ELECTRICAL DEVICES TO REMAIN.
- 3 REMOVE EXISTING 200A/40A CIRCUIT BREAKER CIRCUIT NO. 14, 16 & 18 AND PROVIDE NEW, COMPATIBLE TO EXISTING PANEL OUTLET HAMMER TYPE SPD CIRCUIT BREAKER SHALL BE 10,000 AIC.
- 4 PROVIDE NEW 1000A/20A CIRCUIT BREAKER NO. 8 (SPACE) COMPATIBLE TO EXISTING PANEL SQUARE 'D' TYPE 20 CIRCUIT BREAKER SHALL BE 10,000 AIC.
- 5 REMOVE EXISTING 200A FS WITH 20A FUSE, CONDUIT & WIRING & REPLACE WITH NEW 2000A/20A CIR. BKR & CONNECT TO LINE SIDE OF EXIST. PANEL 'C'. CIR. BKR. SHALL BE 10,000 AIC.



BILL OF MATERIALS (THIS SHEET ONLY)

ITEM	QTY.	DESCRIPTION
1	AS REQ'D	CONCRETE WALL AND HOOD 6" THICK @ 3000 PSI
2	AS REQ'D	3/8" DIA. STEEL ROD WELD TO FRAME EVERY 12" O.C.
3	AS REQ'D	DUCT (TYP.)
4	AS REQ'D	NO. 5 RODS
5	AS REQ'D	NO. 5 @ 6" O.C.
6	4	3/4" Φ STEEL ROD W/ NUTS
7	4	2" X 6" X 1/4" STEEL PLATE
8	AS REQ'D	PULLING IRON 7/8" Φ GALVANIZED OPPOSITE END OF EACH CONDUIT ENTRANCE
9		3" X 3" X 3/8" STEEL ANGLE
10		1" I.D. PIPE SLEEVE THRU COVER (GALVANIZED)
11		5/8" Φ X 6'-0" COPPER WELD GROUND ROD
12		5/8" Φ COPPER GROUND ROD CLAMP
13		#6 BARE COPPER (SOLID) FOR GROUNDING HARDWARE
14		3" X 3" X 1/4" ANGLE IRON HOT DIP GALVANIZED ALL AROUND
15		#3 REBAR @ 6" O.C. WELDED TO ANGLE FRAME
16		#3 REBAR @ 6" O.C. WELDED TO ANGLE FRAME AND OTHER #3 REBARS
17		3/8" DIA. STEEL ROD WELD TO FRAME EVERY 12" O.C.

NOTES:

1. GROUND ALL HARDWARES IN THE HANDHOLE.
2. TOP OF THE HANDHOLE SHOULD HAVE A 2" CLEARANCE FROM REGULAR GROUND SURFACE.
3. AREA OF CONDUIT ENTRANCES SHOULD BE 6" MINIMUM FROM THE FLOOR SLAB, 10" MINIMUM FROM THE LEFT OR RIGHT SIDE WALL, 12" MINIMUM FROM THE TOP OF THE HANDHOLE.
4. PROVIDE APPROXIMATELY 1/8" CLEARANCE BETWEEN HANDHOLE COVERS AND BETWEEN COVERS AND EDGE SIDES.
5. ALL LETTERING SHALL BE 3" WITH A 1/4" EMBEDMENT.
6. INDICATE ON EVERY HANDHOLE COVER WITH THE WORD "CONTROL" TO INDICATE CONTROL CABLE.

SYMBOL	DESCRIPTION	DATE	APP'D
	REVISION		

ME ENGINEERS, INC.
 MECHANICAL • ELECTRICAL • MANAGEMENT CONSULTANTS
 1000 W. ALVARADO ST. SUITE 200
 LOS ANGELES, CALIF. 90024

DEPT. OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 OFFICER IN CHARGE OF CONSTRUCTION
 NAVAL FACILITIES ENGINEERING COMMAND CONTRACTS, MARIAGAS, GUAM, M.I.

DES. ECH. IORNET. ICHK. ES.
 SUPV. ES. ICH ENGR. LPA.
 SUBMITTED BY: *[Signature]* 2/2/65
 U.S. NAVAL MAGAZINE
 CONTROL CABLE LAYOUT PLAN, HANDHOLE DETAIL, EXISTING PARTIAL ELECTRICAL PLAN, CHEMICAL BLDG. - BASEMENT AND GROUND BILL OF MATERIALS. NOTES, REMOVAL AND MODIFICATION NOTES.

ENGINEER IN CHARGE: *[Signature]* DATE: 2/2/65
 DIR. CIV. DESIGN DIV. DATE: 2/2/65
 APPROVED: *[Signature]* DATE: 2/2/65
 STAFF CIVIL ENGINEER DATE: 2/2/65

NAVAFAC DRAWING NO. 7313.260
 CONSTRUCTION CONTRACT NO. 62261-64-C-200
 SCALE: AS SHOWN. SPECS. 21-2210. SHT. 21 OF 27