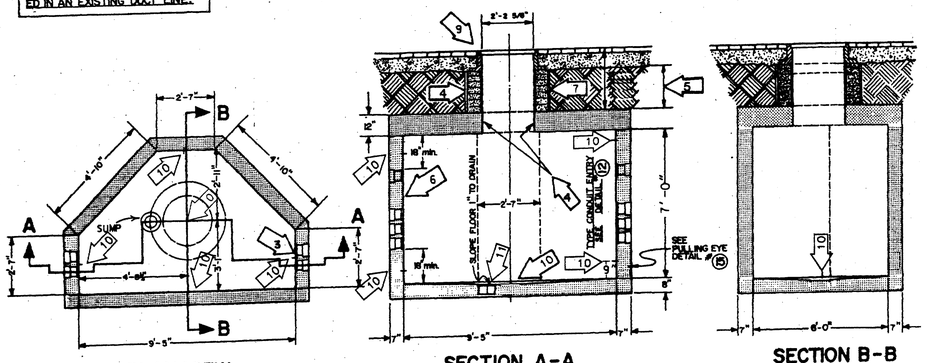
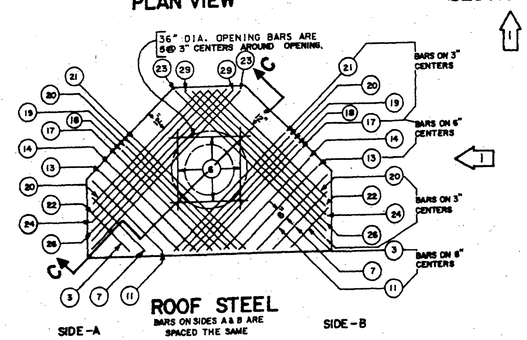
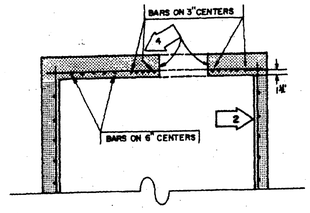
—SPECIAL "C" MANHOLE—

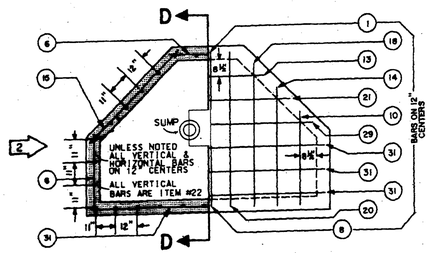
DETAIL #③

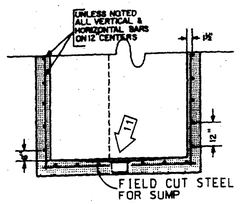
NOTE: THIS MANHOLE IS DESIGNED FOR INSTALLATIONS WHERE A MANHOLE IS REQUIRED IN AN EXISTING DUCT LINE.











REINFORCING BARS						
ITEM	LENGTHS FT.	LENGTHS IN.	QUANTITY FLOOR	QUANTITY WALLS	QUANTITY ROOF	QUANTITY TOTAL
1	2	0	1			1
3	2	6			2	2
6	3	3		18	4	22
7	3	6			2	2
8	3	9	1			1
10	4	3	2			2
11	4	6			2	2
13	5	0	1		2	3
14	5	3	2		2	4
15	5	6		12		12
17	6	0			2	2
18	6	3	2		2	4
19	6	6			2	2
20	6	9	2		4	6
21	7	0	1		2	3
22	7	10		29	4	33
23	9	3			2	2
24	7	9			2	2
26	8	3			2	2
29	9	0	1		2	3
31	10	3	3	6		9

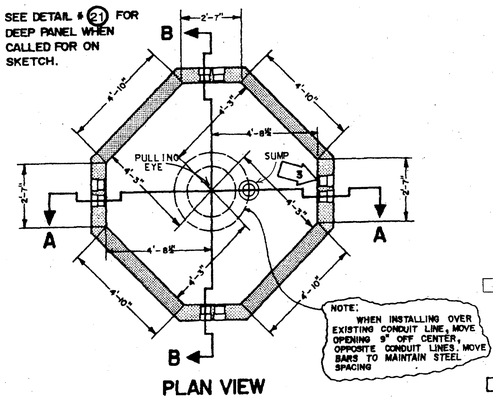
ALL REINFORCING STEEL, DEFORMED, INTERMEDIATE GRADE, OPEN HEARTH, ASTM. A 615 DESIGNATION.

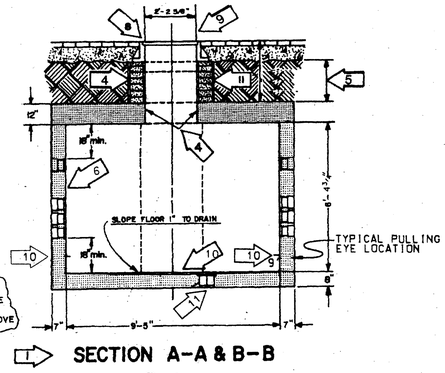
SEE DETAIL # 16 FOR CONCRETE SPECIFICATIONS

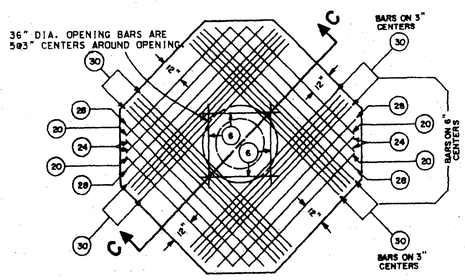
—TYPE "D" MANHOLE—

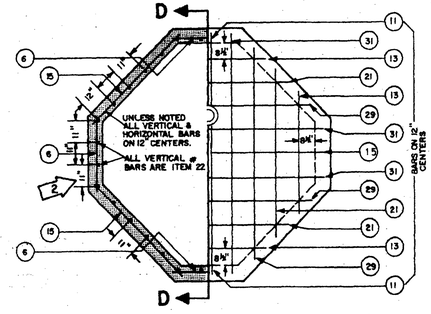
DETAIL #④

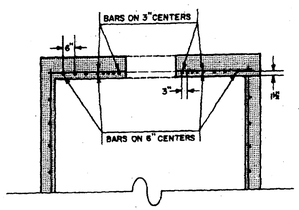
NOTE: SEE DETAIL # 21 FOR DEEP PANEL WHEN CALLED FOR ON SKETCH.

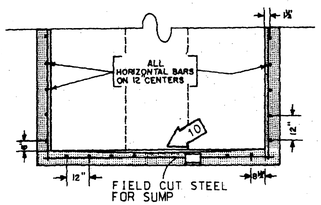












REINFORCING BARS						
ITEM	LENGTHS FT.	LENGTHS IN.	QUANTITY FLOOR	QUANTITY WALLS	QUANTITY ROOF	QUANTITY TOTAL
6	3	3		24	4	28
11	4	6	4			4
13	5	0	4			4
15	5	6		24		24
20	6	9			4	4
21	7	0	4			4
22	7	10		32		32
24	7	9			4	4
28	8	9			4	4
29	9	0	4			4
30	9	3			20	20
31	10	3	5			5

STEEL TO CONFORM TO THE LATEST STANDARD SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT.

SEE DETAIL # 16 FOR CONCRETE SPECIFICATIONS

— GENERAL NOTES —

ALL GENERAL NOTES APPLY TO BOTH SPECIAL "C" & TYPE "D" MANHOLES

1. STANDARD HEADROOM 7'-0". ALL REINFORCING BARS TO BE #5 DEFORMED BARS. ALL BARS TO HAVE MINIMUM COVER OF 1½". ALL DIMENSIONS ARE TO ℄ OF BARS. SEE PLANS FOR EXTRA HEADROOM.
2. FIELD CUT STEEL AS REQUIRED FOR TERMINATORS.
3. NUMBER OF TERMINATORS SHOWN ON PLANS INSTALLED IN EACH END PANEL. SEE DETAIL # (8)
4. BLOCK UP CASTING WITH BRICKS TO PAVEMENT GRADE. BRICKWORK TO RECEIVE ½" MORTAR COATING INSIDE & OUTSIDE.
5. 15½" MINIMUM CUSHION.
6. FOR GROUNDING DETAILS SEE DETAIL # (17)
7. A PRECAST REINFORCED CONCRETE NECK MAY BE USED WHEN 28" OR MORE. SEE DETAIL # (13)
8. 4'-4" X 4'-4" X 6" CONCRETE SLAB AROUND M.H. CASTING WHEN INSTALLED IN UNPAVED AREA. SEE DETAIL # (10)
9. 26½" MH CASTING. SEE DETAIL # (15)
10. PULLING EYE. SEE DETAIL # (12)
11. SUMP. SEE DETAIL # (14)

RECORD DRAWING

10/3/97 ISSUED FOR CONSTRUCTION

E13

CD

TU ELECTRIC

DRAWN	CH.	APP.	APP.

REVISION DESCRIPTION

UNIT ID

DWG TYPE

ESTIMATE	W.A.	LIST OF DRAWINGS	APP. PRN	APP. JCS	ENG. JRC	CH. JRC	DWN. MED	DATE 05-12-92
DATE	NO.	W.A.						

SCALE (H=NO SCALE) (V=NO SCALE)

NETWORK UNDERGROUND APPURTENANCE SHEETS
MANHOLE DETAILS

E-NUA-1
SHEET NO. 2