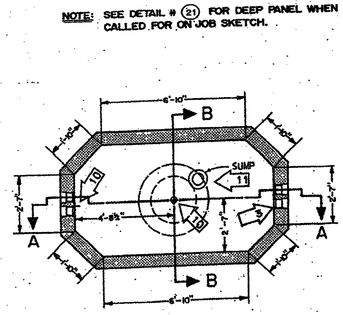
SHEET NO. 1

E-NUA-1

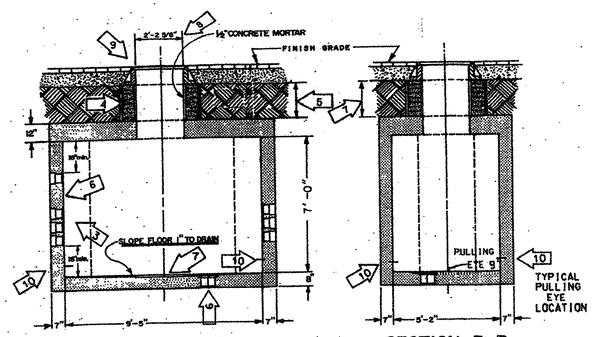
—TYPE "B" MANHOLE—

DETAIL #①

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

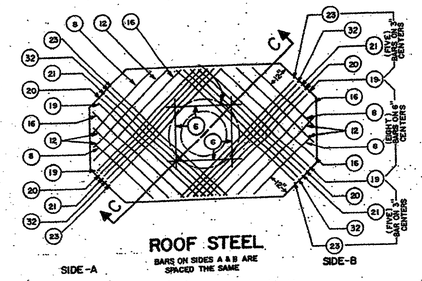


PLAN VIEW



SECTION A-A

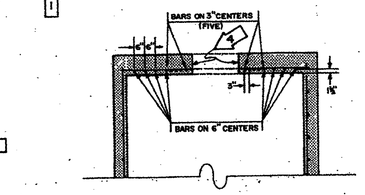
SECTION B-B



ROOF STEEL

BARS ON SIDES A & B ARE SPACED THE SAME

SIDE-A SIDE-B

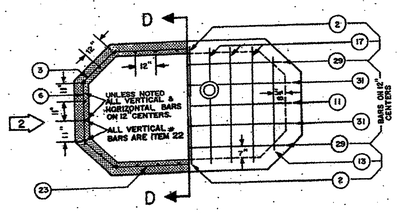


SECTION C-C

REINFORCING BARS						
ITEM	LENGTHS		QUANTITY			
	FT.	IN.	FLOOR	WALLS	ROOF	TOTAL
2	2	3	2			2
3	2	6		24		24
6	3	3		12	4	16
8	3	9			4	4
11	4	6	2			2
12	4	9			4	4
13	5	0	2			2
16	5	9			4	4
17	6	0	6			6
19	6	6			4	4
20	6	9			4	4
21	7	0			4	4
22	7	10		28		
23	7	6		12	4	16
29	9	0	2			2
31	10	3	2			2

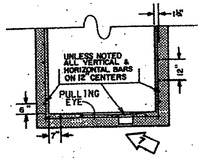
STEEL TO CONFORM TO THE LATEST STANDARD SPECIFICATION FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT.

SEE DETAIL 6 (18) FOR CONCRETE SPECIFICATION



WALL STEEL (TYPICAL)

FLOOR STEEL (TYPICAL)

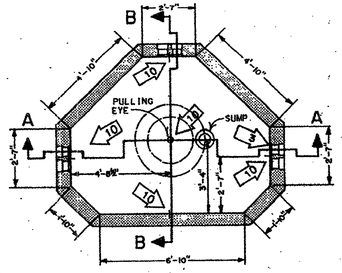


SECTION D-D

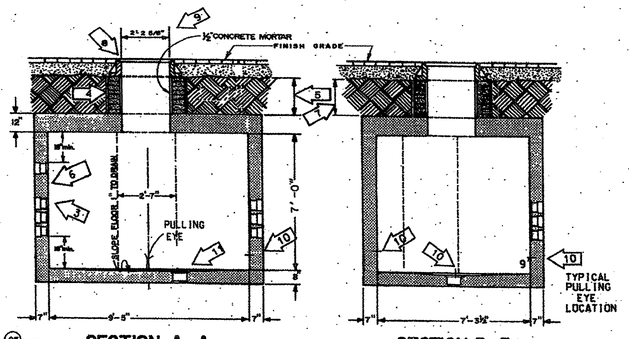
—TYPE "C" MANHOLE—

DETAIL #②

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

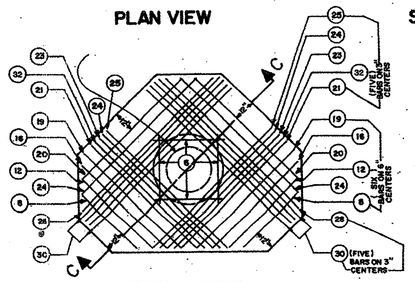


PLAN VIEW



SECTION A-A

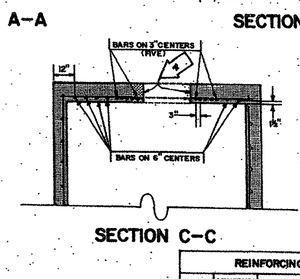
SECTION B-B



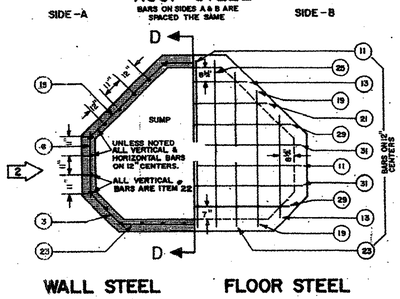
ROOF STEEL

BARS ON SIDES A & B ARE SPACED THE SAME

SIDE-A SIDE-B

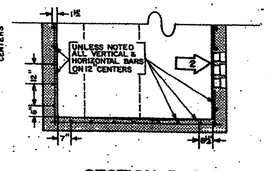


SECTION C-C



WALL STEEL (TYPICAL)

FLOOR STEEL (TYPICAL)



SECTION D-D

REINFORCING BARS						
ITEM	LENGTHS		QUANTITY			
	FT.	IN.	FLOOR	WALLS	ROOF	TOTAL
2	2	3	1			1
3	2	6		12		12
6	3	3		18	4	22
8	3	9			2	2
11	4	6	3			3
12	4	9			2	2
13	5	0	3			3
15	5	6		12		12
16	5	9			2	2
19	6	6	2		2	4
20	6	9			2	2
21	7	0	1		2	3
22	7	10		30		
23	7	6	2	6	2	10
24	7	9			4	4
25	8	0	2		2	4
26	8	9			2	2
29	9	0	2			2
30	9	3			6	6
31	10	3	2			2

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

SEE DETAIL (18) FOR CONCRETE SPECIFICATION

— GENERAL NOTES —

ALL GENERAL NOTES APPLY TO BOTH TYPE "B & C" 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)

AS-BUILT
NOVEMBER 4, 2004

NOTE:
THESE PLANS HAVE BEEN REVISED TO CONFORM WITH CONSTRUCTION RECORDS PROVIDED BY CONTRACTOR.

CD

TU ELECTRIC

REVISION DESCRIPTION	DRAWN	CH.	APP.	APP.

UNIT ID

DWG. TYPE

LIST OF DRAWINGS	W.A.	ESTIMATE	

NETWORK UNDERGROUND APPURTENANCE SHEETS MANHOLE DETAILS

SCALE	NO SCALE	DWN. MED	CH. JRC	ENG. JRC	APP. JES	APP. PRM	W.A. NO.	DATE
DATE	12-12-91							

E NUA-1

SHEET NO.

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C03393\PLANS CD\42-08-DET-PV.DWG