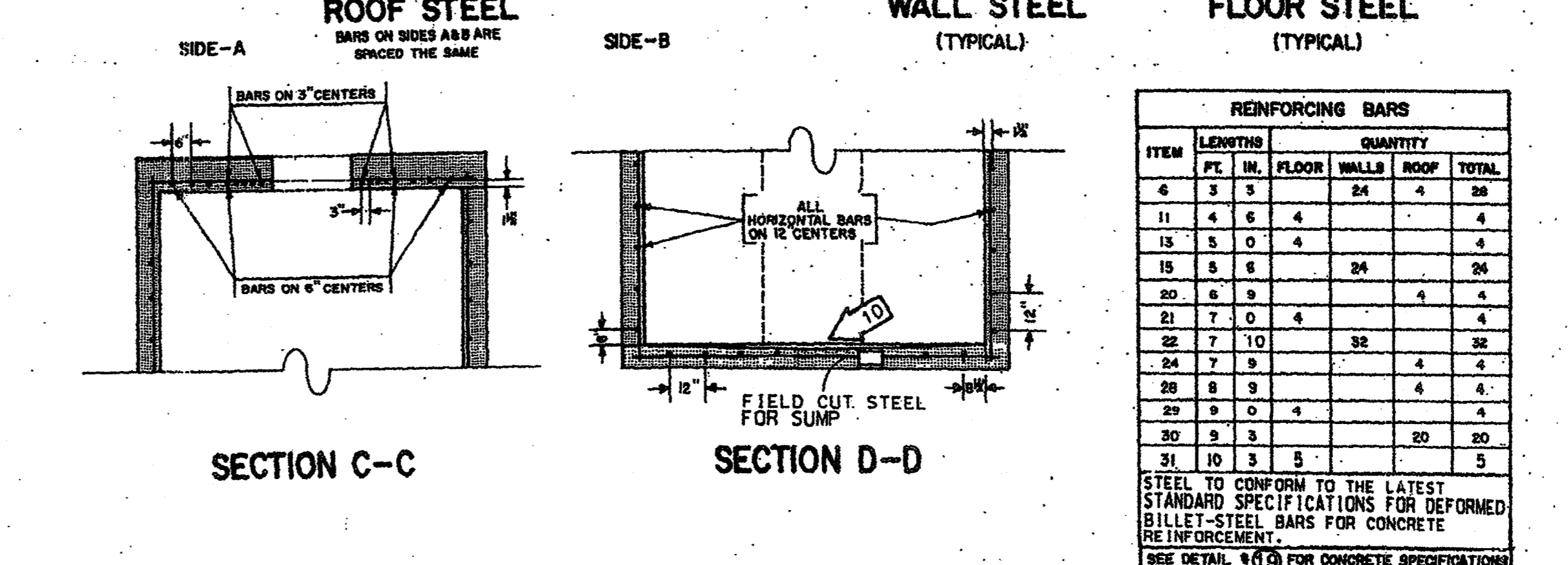
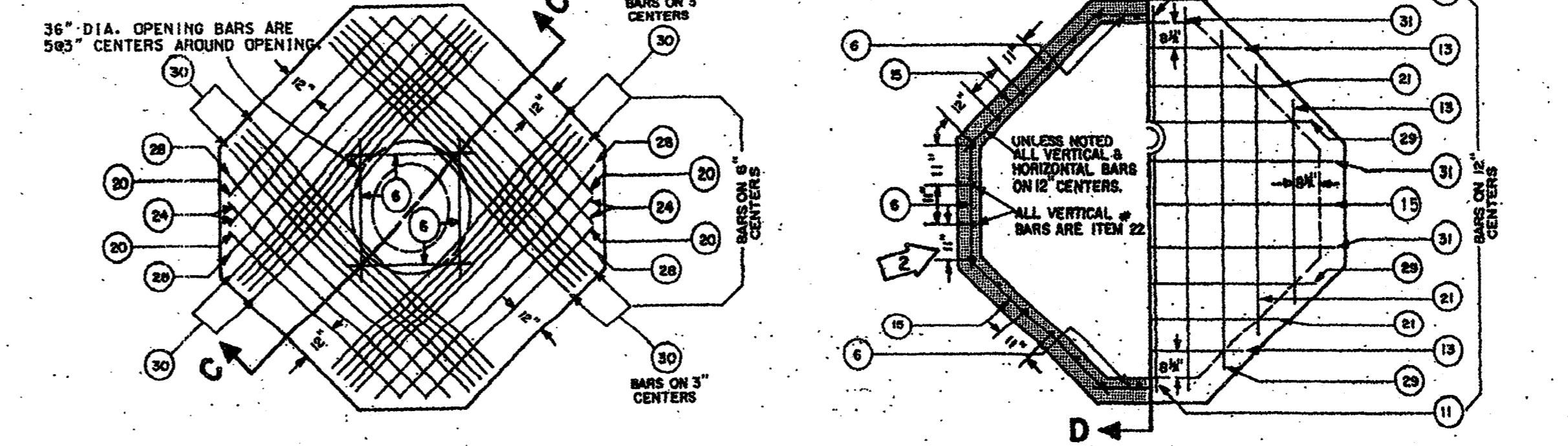
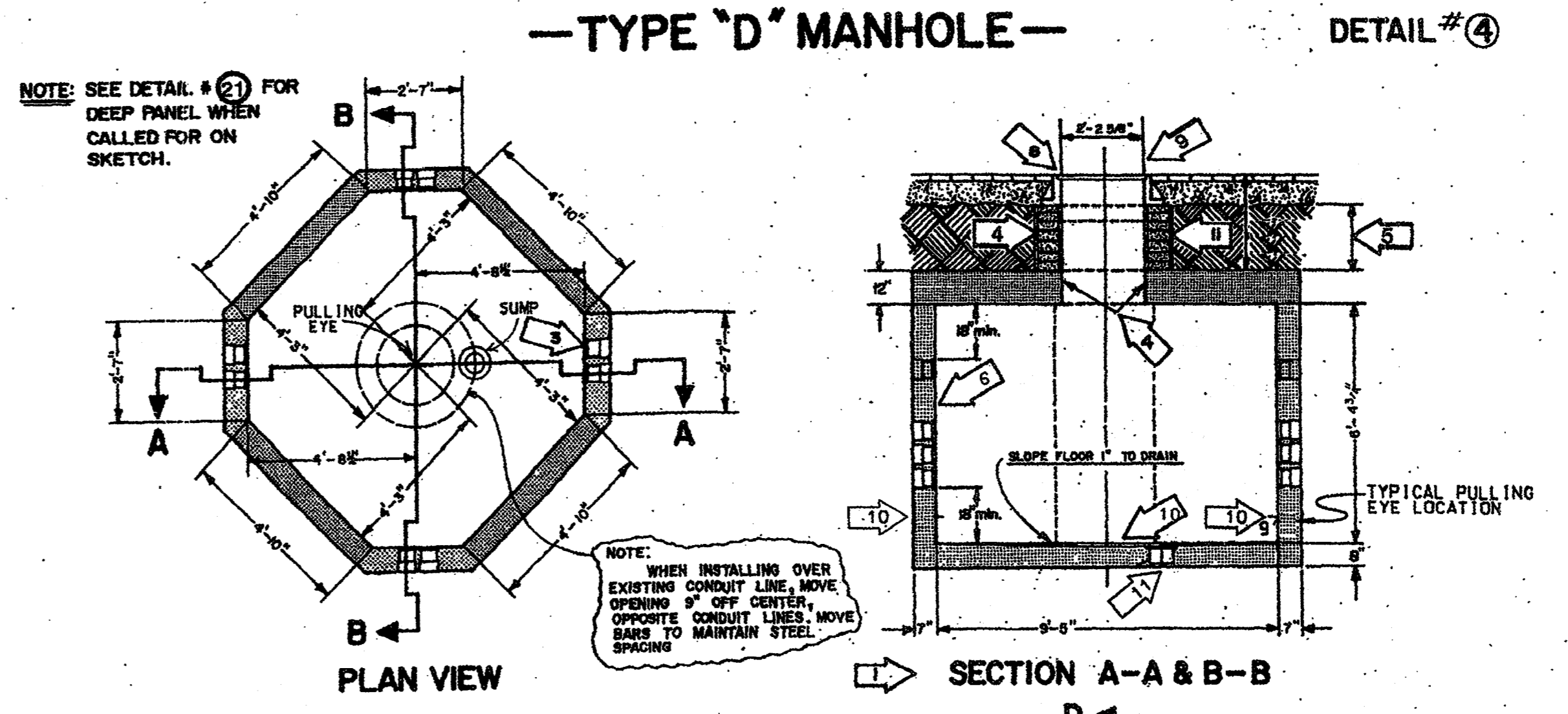


REINFORCING BARS					
ITEM	LENGTH	QUANTITY			TOTAL
	FT. IN.	FLOOR	WALLS	ROOF	
1	2 0	1			1
2	2 6		18	2	20
3	3 3		18	4	22
4	3 6		2	2	4
5	3 9		1		1
6	4 3	2			2
7	4 6		12		12
8	5 0	1		2	3
9	5 3	2			4
10	5 6		2		2
11	6 0		2		2
12	6 3	2			4
13	6 6		2		2
14	6 9		4		4
15	7 0	1		3	4
16	7 10	20	4	30	54
17	9 3		2		2
18	7 9		2		2
19	8 3		2		2
20	8 9		2		2
21	9 0		2		2
22	9 0		2		2
23	9 0		2		2
24	9 0		2		2
25	9 0		2		2
26	9 0		2		2
27	9 0		2		2
28	9 0		2		2
29	9 0		2		2
30	10 3	3	6		9

ALL REINFORCING STEEL, DEFORMED, INTERMEDIATE GRADE, OPEN HEARTH, ASTM. A 618 DESIGNATION.
SEE DETAIL # 19 FOR CONCRETE SPECIFICATIONS



REINFORCING BARS					
ITEM	LENGTH	QUANTITY			TOTAL
	FT. IN.	FLOOR	WALLS	ROOF	
6	3 3		24	4	28
11	4 6	4			4
13	5 0	4			4
20	6 9		24		24
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 # 19 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 1/2" ALL DIMENSIONS ARE TO C. 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 FINISH GRADE. BRICKWORK TO RECEIVE 1/2" MORTAR COATING INSIDE & OUTSIDE.
 - 5 15 1/2" 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 26 1/2" 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.

TU ELECTRIC

CD

UNIT ID	DWG. TYPE	ESTIMATE	W.A.	LIST OF DRAWINGS	APP. PRN	APP. JES	ENG. JRC	CH. JRC	DWN. MED	DATE	NO.	DATE	REVISION DESCRIPTION	DRAWN	CH.	APP.	APP.

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

NETWORK UNDERGROUND APPURTENANCE SHEETS
MANHOLE DETAILS

E-NUA-1
SHEET NO.

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