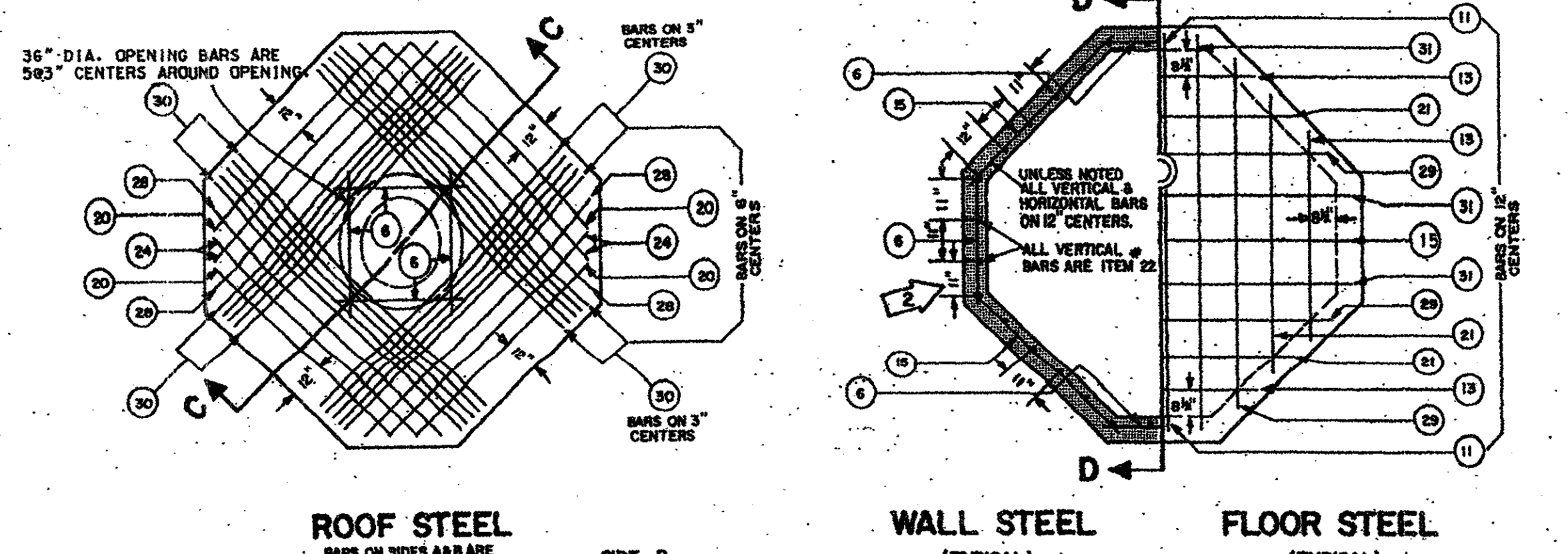
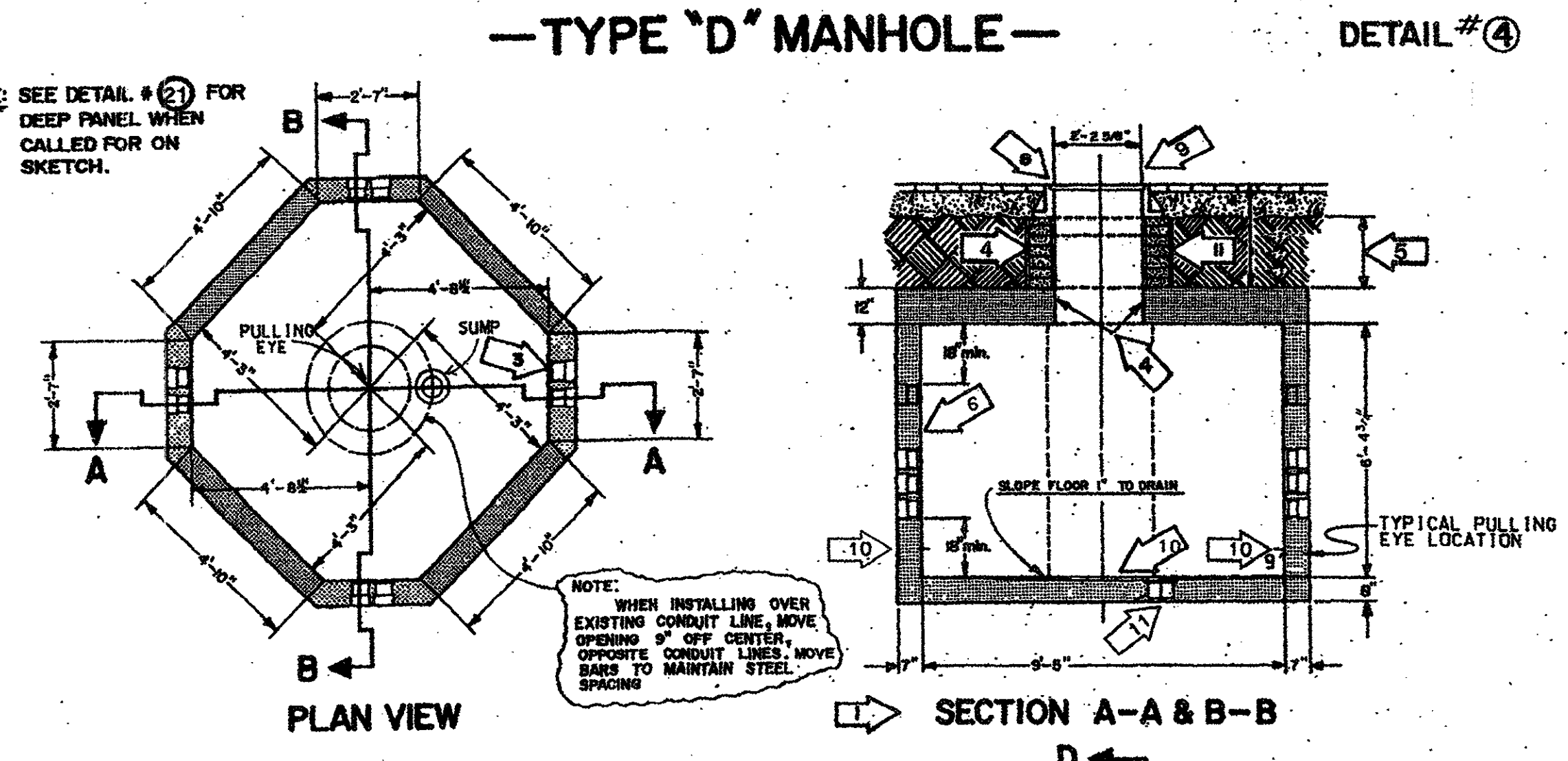
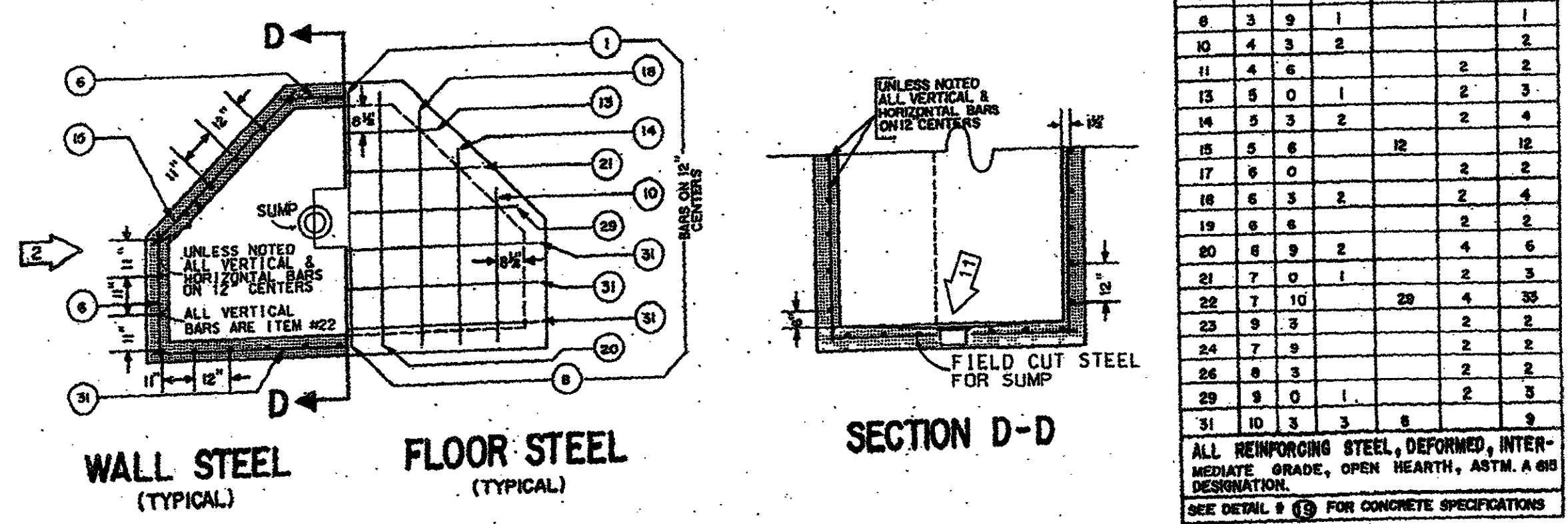


REINFORCING BARS				
ITEM	LENGTH	QUANTITY		
	FT. IN.	FLOOR	WALLS	ROOF
1	2 0	1		
2	2 6		2	2
3	3 3	18	4	22
4	3 9		2	2
5	3 9	1		1
6	4 3	2		2
7	4 6		2	2
8	5 0	1	2	3
9	5 3	2	2	4
10	5 6		12	12
11	6 0		2	2
12	6 3	2	2	4
13	6 6		2	2
14	6 9	2	2	4
15	7 0	1	2	3
16	7 3	20	4	24
17	7 9		2	2
18	7 9		2	2
19	8 3		2	2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

ALL REINFORCING STEEL, DEFORMED, INTERMEDIATE GRADE, OPEN HEARTH, ASTM A 616 DESIGNATION.  
SEE DETAIL # (19) FOR CONCRETE SPECIFICATIONS



REINFORCING BARS				
ITEM	LENGTH	QUANTITY		
	FT. IN.	FLOOR	WALLS	ROOF
4	3 3		24	4
11	4 6	4		4
13	5 0	4		4
15	5 6		24	4
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 # (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 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 # (6)
  - 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 26" OR MORE. SEE DETAIL # (18)
  - 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	REVISION DESCRIPTION	DATE	NO.	W.A.	APR. PRN.	APR. JCS	ENG. JRC	CH. JRC	DWN. MED	DATE

SCALE: (H=NO SCALE) (V=NO SCALE) LIST OF DRAWINGS

NETWORK UNDERGROUND APPURTENANCE SHEETS  
MANHOLE DETAILS

E-NUA-1  
SHEET NO.