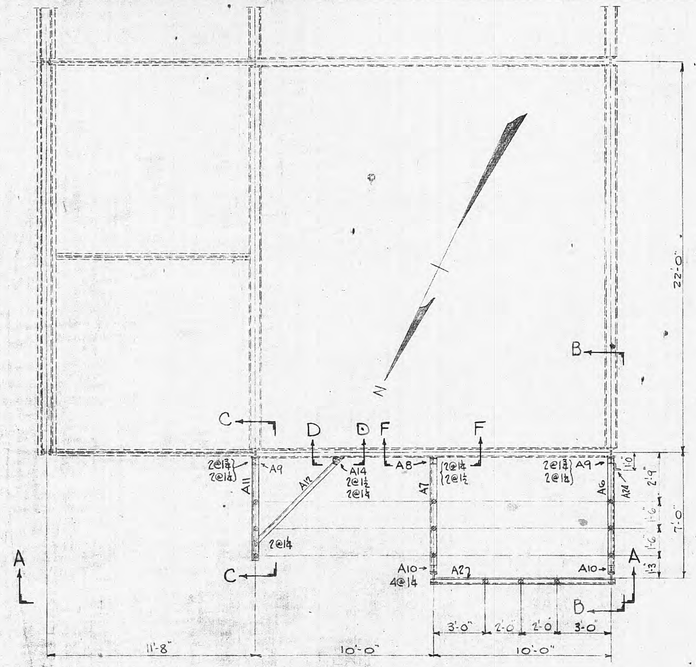
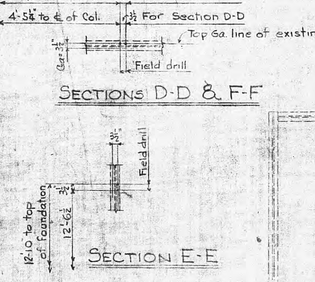
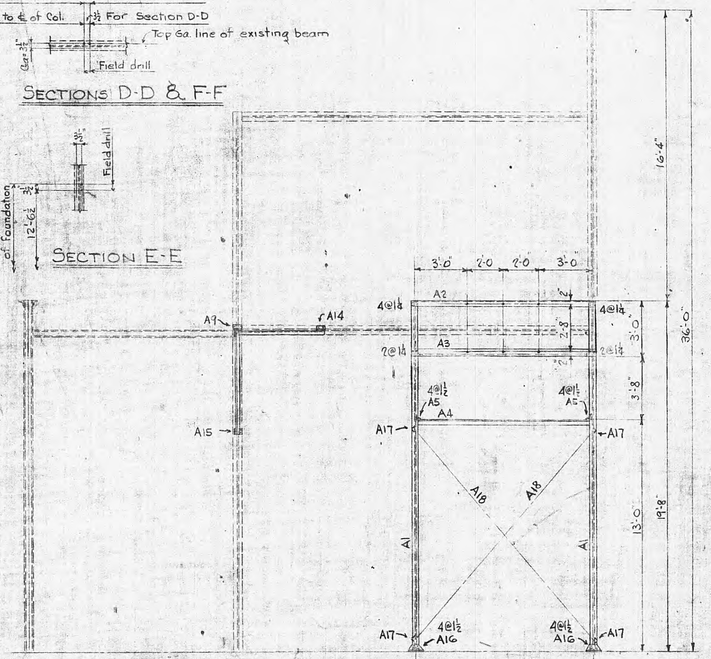


PLAN

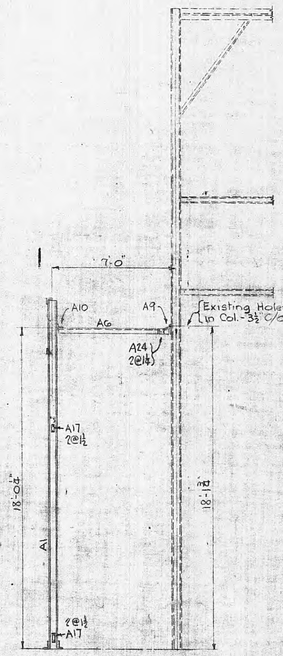
SECTIONS D-D & F-F



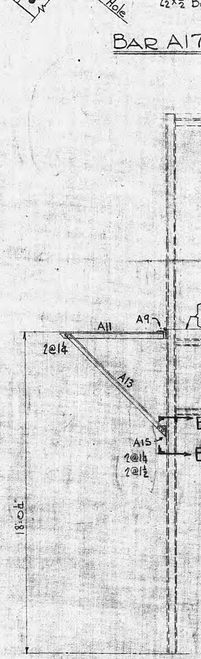
SECTION E-E



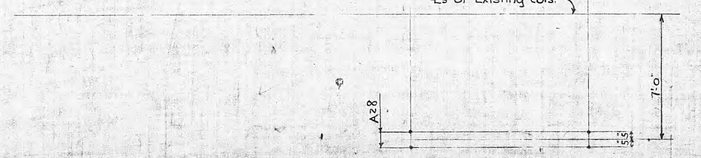
ELEVATION A-A



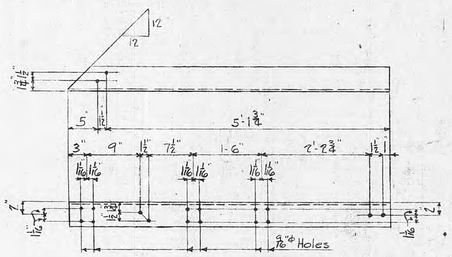
ELEVATION B-B



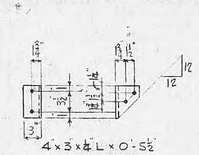
SECTION C-C



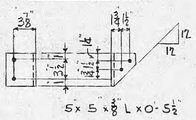
ANCHOR BOLT PLAN



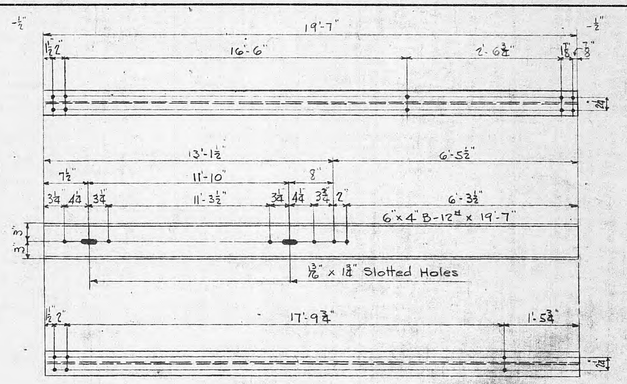
ANGLE - A11



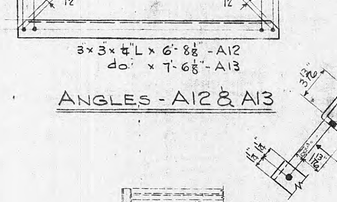
ANGLE - A14



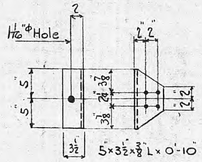
ANGLE - A15



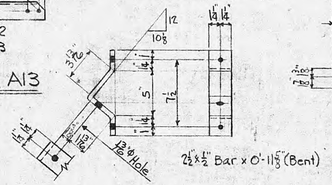
COLUMN - A1



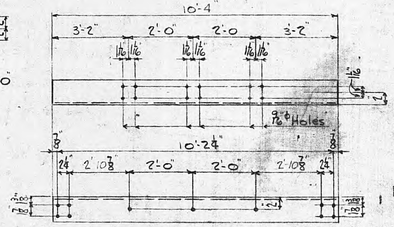
ANGLES - A12 & A13



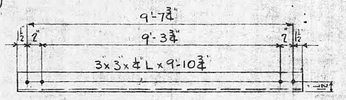
ANGLE A16



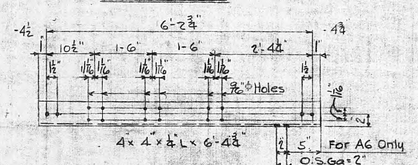
BAR A17



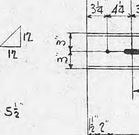
ANGLE - A2



ANGLE A4

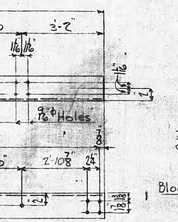


ANGLE A6 - AS SHOWN
ANGLE A7 - OPP. HAND (EXCEPT AS NOTED)

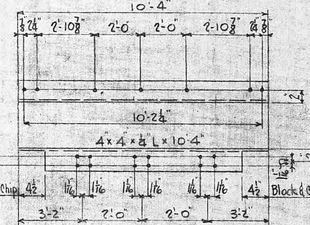


ANGLE - A10

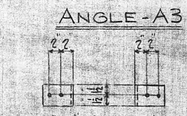
ANGLE A19 - AS SHOWN
ANGLE A20 - OPP. HAND



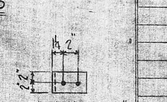
ANGLE - A3



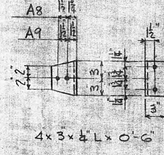
ANGLE - A3



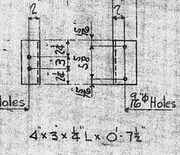
ANGLE - A5



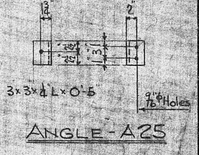
ANGLE A24



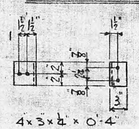
ANGLES A8 & A9



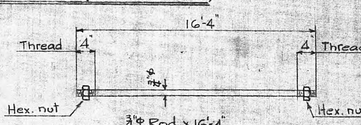
ANGLE A23



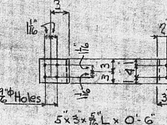
ANGLE - A25



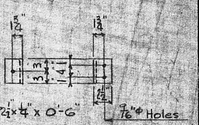
ANGLE - A10



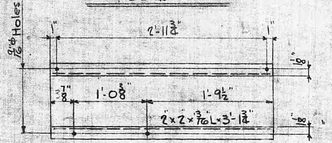
ROD - A18



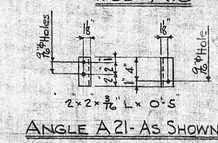
ANGLE - A26



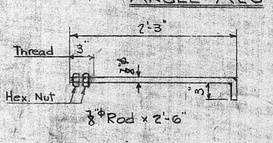
ANGLE - A27



ANGLE A19 - AS SHOWN
ANGLE A20 - OPP. HAND



ANGLE A21 - AS SHOWN
ANGLE A22 - OPP HAND



ANCHOR BOLT - A28

NOTE:-
Holes unless otherwise noted.
All material to be hot-dip galvanized after fabrication
Piece marks to be die-stamped before galvanizing.
For erection of piece marks A19 to A23 Incl. and A25 to A27 Incl. see dwg. T.E.P.Co. 16-C-45 & 16-C-46.

BILL OF MATERIAL

MARK	NO. REQ'D	DESCRIPTION	LENGTH FT.	LENGTH IN.	WT. EACH
A1	2	6×4"B-12#	19	7	242
A2	1	L-4×4×½"	10	4	70
A3	1	L-4×4"×½"	10	4	70
A4	1	L-3"×3×¼"	9	10⅜	50
A5	2	L-5×5×⅜"	0	3	3
A6	1	L-4×4"×½	6	4⅜	44
A7	1	do.	6	4⅜	44
A8	1	L-4×3×½	0	6	3
A9	2	do.	0	6	3
A10	2	do.	0	4	2
A11	1	L-4×4×½	5	8¼	39
A12	1	L-3×3×½	6	8⅛	34
A13	1	do.	7	6⅝	38
A14	1	L-4×3×¼	0	5½	3
A15	1	L-5×5×⅜	0	5½	6
A16	4	L-5×3½×⅜	0	10	9
A17	4	Bars-2½×½ (Bent)	0	11⅝	4
A18	2	Rods-¾ with 2 Hex nuts	16	4	25
A19	1	L-2×2×⅜	3	1⅛	8
A20	1	do.	3	1⅛	8
A21	2	do.	0	5	1
A22	2	do.	0	5	1
A23	3	L-4×3"×½"	0	7½	9
A24	1	L-4×4×½	0	4	2
A25	3	L-3×3×½	0	5	2
A26	6	L-5×3"×⅜	0	6	4
A27	6	L-3×2½×¼	0	6	2
A28	4	¾ Anch. bolt, with 2 Hex. nuts	2	6	6
	5	½"℄ Bolts, Sq. hd., Hex. nut	0	1	0.13
	15	do.	0	1¼	0.15
	4	do.	0	1⅜	0.18
	40	⅝"℄ Bolts, Sq. hd., Hex. nut	0	1¾	0.27
	42	do.	0	1½	0.27
	5	do.	0	1⅜	0.31

Total Weight = 1185 #

REFERENCE:-
T.E.P.Co's. dwgs.- 66247 to 66253 Inclusive and 12487.
Foundation Dwg. T.E.P.Co. 16-C-43

USED AT	DATE

ISSUE	REVISION	DATE	SIG.

Return to Engineering
Flat File Drawer 7

TENNESSEE VALLEY AUTHORITY
DEPARTMENT OF OPERATIONS
HARRIMAN SUBSTATION
ADDITION TO 66KV. BUS STRUCTURE
ERECTION DIAGRAM & STRUCTURAL DETAILS

SCALE: 1"=1'-0" | SUBMITTED | APPROVED 1-9-40 | DATE 8-1-40
DRAWN: J.O.H.
TRACED
CHECKED: R.S.C.
CORRECT: A.H.S.
MANAGER
SHEET 1 OF 1 SHEETS
LC-8641