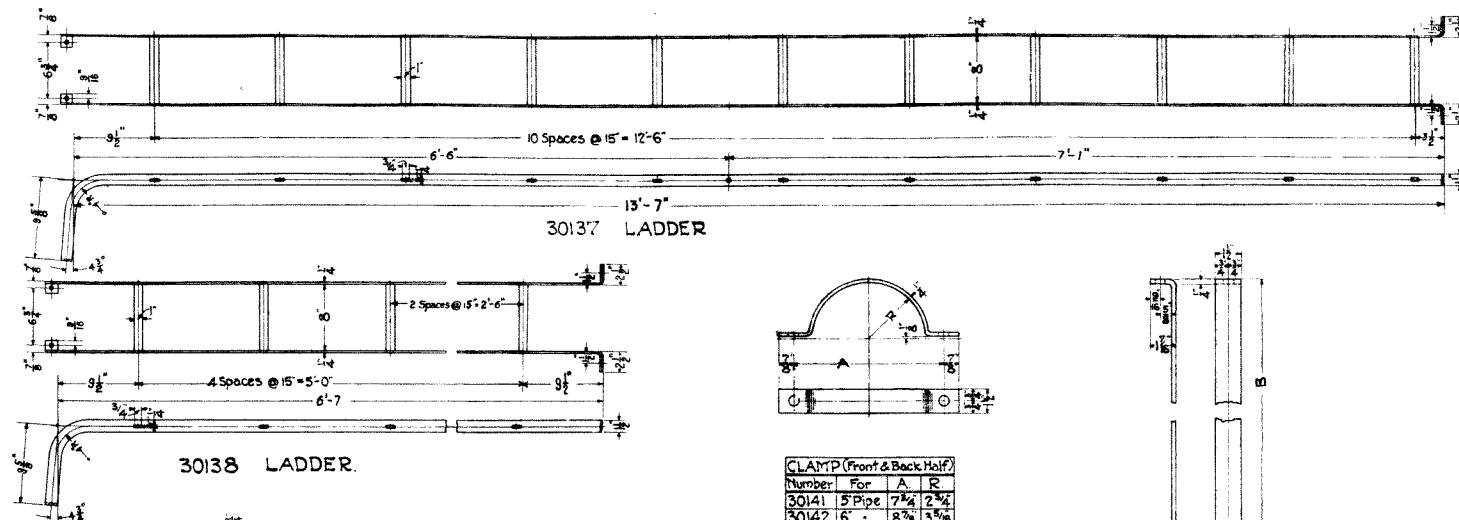
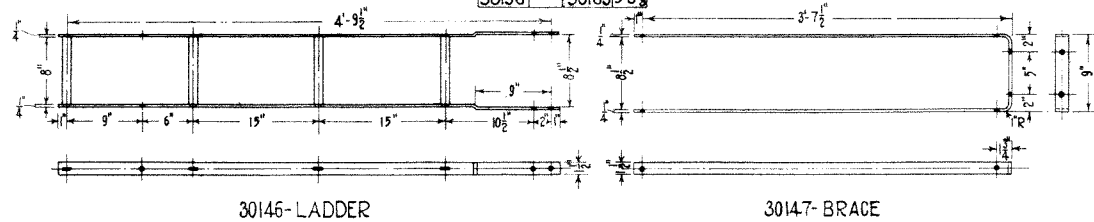
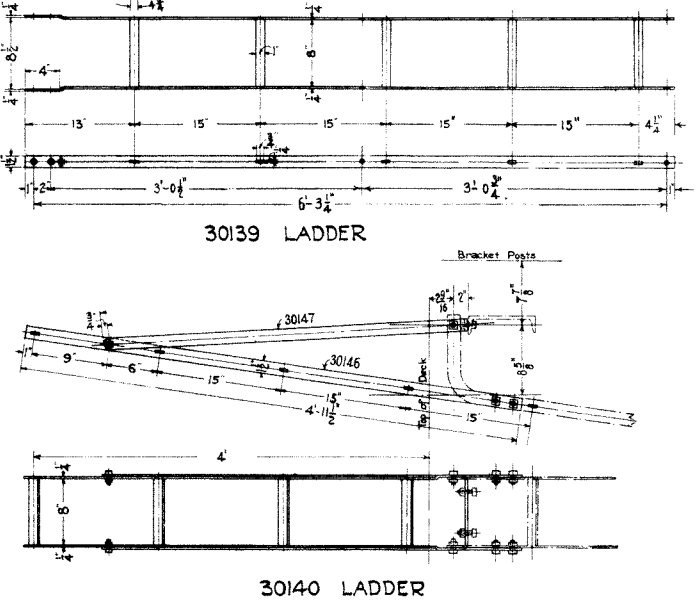




Number	For	A	R
30141	5 Pipe	7 1/2	2 1/2
30142	6 "	8 3/4	3 1/4
30143	9 "	11 3/4	4 1/4
30144	10 "	13	5 1/4
30145	8 Smoed	8 3/4	3 1/4

Number	B	Number	B
30148	1'-4 1/2	30157	3'-7 1/2
30149		30158	3'-9 1/2
30150	1'-10 1/2	30159	
30151	2'-5 1/2	30160	4'-3 1/2
30152		30161	
30153	3'-4 1/2	30162	4'-9 1/2
30154	2'-1 1/2	30163	
30155	3'-3 1/2	30164	5'-2 1/2
30156		30165	5'-8 1/2

NOTE:
All holes 9/16 inches in diameter.
All material open hearth steel.



NOTE:
In ordering apparatus or parts shown on this plan give number and name appearing in LARGE type.

ASSEMBLY For Mechanical Bridge Signal Mast and Bracket Post Ladders			
Item No.	30177	30178	30179
Name	Complete Ladder For One Arm Bridge Mast	Complete Ladder For Two Arm Bridge Mast	Complete Ladder For Bracket Post
1	30138	30137	30117
2	30141	30141	30118
1			30122
1			30139
2	2 1/2" x 4" Bolt and Nut	2 30148	1 30140
2	2 1/2" x 4" Bolt and Nut	2 30148	2 30143
2	2 1/2" x 4" Bolt and Nut	2 30148	6 30144
2	2 1/2" x 4" Bolt and Nut	2 30148	2 30150
2			2 30151
2			2 30153
2			2 30157
8	2 1/2" x 4" Bolt and Nut		
22	2 1/2" x 4" Bolt and Nut		
2	2 1/2" x 4" Bolt and Nut		

For Item Nos. 30117 to 30122 inclusive see Plan No. 301-52

PENNA. R. R.
STANDARD DETAILS OF SIGNAL MASTS AND PARTS
PHILADELPHIA, JUNE 15, 1912.

ORIGINAL ON FILE
IN OFFICE OF
SIGNAL ENGINEER

CORRECT
APPROVED
SIGNAL ENGINEER

ENGINEER M. W.

Revised 5-10-15. Changed to agree with R.S.A. Standards
Approved: *[Signature]*

PLAN NO. 301-54
PRINT NO. 1
MADE BY CEA
CHECKED BY ECH