



LADDER FOR TWO-ARM
ELECTRICAL GROUND SIGNAL
OFFICE OF SIGNAL ENGINEER, ST. PAUL, MINN.
SCALE 1/2" = 1'-0"
DEC. 1913

**BILL OF MATERIAL FOR
LADDER COMPLETE.**

- 1 - LADDER SECTION No.1. 167-102-FIG.A.
- 1 - " " " 2. " " B.
- 1 - " " " 3. " " C.
- 1 - TOP HAND-RAIL. 167-105. FIG.A.
- 2 - HAND RAIL SIDES. 167-105. FIG.D.
- 2 - LADDER BRACES. 167-102. FIG.F.
- 1 - TOP PLATFORM No.1. 167-104. FIG.A.
- 1 - PLATFORM No. 2. 167-104. FIG.C.
- 2 - STAY SIDES. 167-103. FIG.F.
- 2 - " " " " G.
- 6 - 5/8" STAY CLAMPS (HALF). 167-103. FIG.A.
- 2 - 6/8" " " " " " C.
- 4 - 6/8" " " " " " B.
- 22 - 1" X 1" SQ. HD. BOLTS + NUTS.
- 2 - 1" X 1 1/4" " " " " " " "
- 12 - 1" X 1 1/4" " " " " " " "

NOTE. THE BILL OF MATERIAL AS LISTED ABOVE IS FOR A SWAGED MAST. WHEN MAST IS WELDED AS PER 167-97. FIG.B. FURNISH LADDER COMPLETE AS PER ABOVE BILL WITH FOLLOWING EXCEPTIONS:

- ① 1-No.2 PLATFORM 167-104. FIG.D. INSTEAD OF 167-104. FIG.C.
- ② 6 - 6 5/8" STAY CLAMPS (HALF) 167-103. FIG.B. INSTEAD OF 4.
- ③ No. 6 5/8" STAY CLAMPS (HALF) 167-103. FIG.C. REQUIRED.

UNLESS WELDED MAST IS SPECIFIED FURNISH AS PER ABOVE BILL OF MATERIAL.

Drawn by: RA
Checked by: FR
Approved by: [Signature]
Signal Engt
1-9-20.

NOTE. LADDER COMPLETE 167-99. R.S.A.13652.

167-99