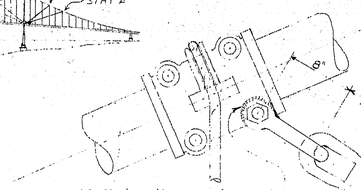
LOCATION KEY



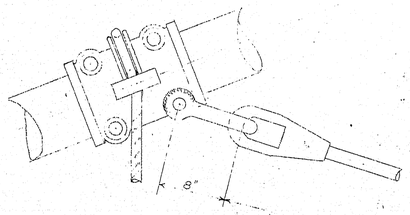
Shackle and Socket same as on Dwg. RS 3310 - S 122

Weld flush with rim of Shackle after stay is adjusted.

Normal conditions - 10k Stress in rope - Vertical ℄ Sag = 0.680'

137'-1⅝" Measured along rope

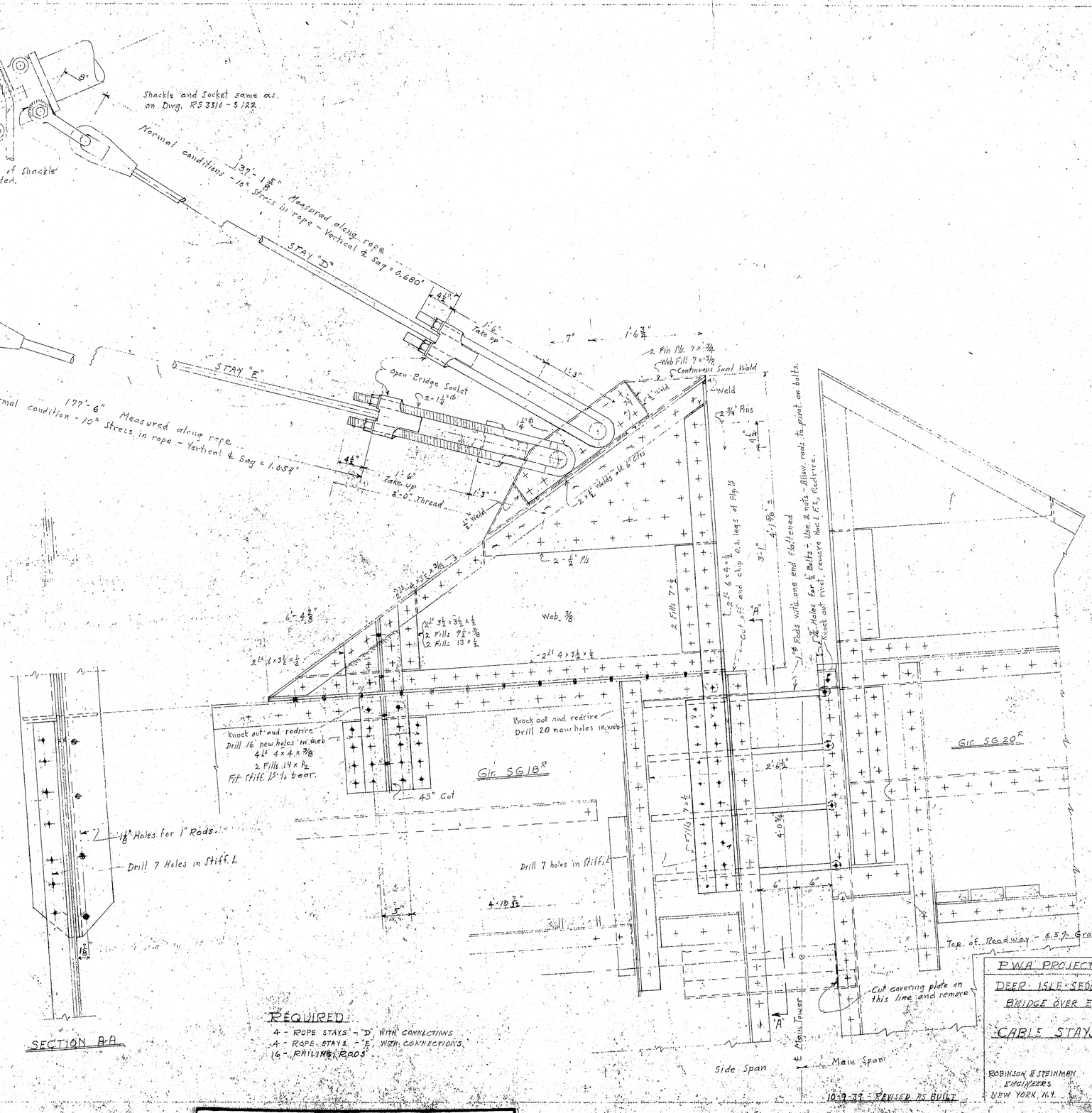
STAY "D"



STAY "E"

Normal condition - 10k Stress in rope - Vertical ℄ Sag = 1.054'

177'-6" Measured along rope



SECTION B-B

NOTES:-

RIVETS ⅞" ø

THE NEW BOLTS TO BE PLACED IN CABLE BANDS SHALL BE OF NICKLE ALLOY WITH A MINIMUM ULTIMATE STRENGTH OF 100,000 LBS. PER SQ. IN., AND A MINIMUM YIELD POINT OF 50,000 LBS. PER SQ. IN. THESE BOLTS SHALL NOT BE HEAT TREATED. THEY SHALL BE TIGHTENED TO A TENSION OF NOT LESS THAN 50,000 LBS. PER BOLT.

THE 1⅜" DIAMETER ROPES SHALL HAVE A GROSS METALLIC AREA OF NOT LESS THAN 0.72 SQ. IN. AND A MINIMUM ULTIMATE STRENGTH OF 124,000 LBS. THEY SHALL BE MEASURED, CUT AND SOCKETED TO PROVIDE THE LENGTHS SHOWN ON THIS DRAWING WHEN STRESSED TO 10,000 LBS. PER ROPE. Ropes galvanized same as suspenders.

Paint same as other struct. steel. No paint on rope portion of Stay.

REQUIRED:

4 - ROPE STAYS - "D" WITH CONNECTIONS
4 - ROPE STAYS - "E" WITH CONNECTIONS
16 - RAILING RODS

10-9-37 - REVISED AS BUILT

PWA PROJECT NO. ME 1010-B

DEER ISLE-SEDGWICK BRIDGE DISTRICT

BRIDGE OVER EGGEMOGGIN REACH

"CABLE STAYS" FOR SIDE SPANS

ROBINSON & STEINMAN ENGINEERS NEW YORK, N.Y.

DRAWING NUMBER RS 3310 - S 126

JUNE 29 1939

124-32