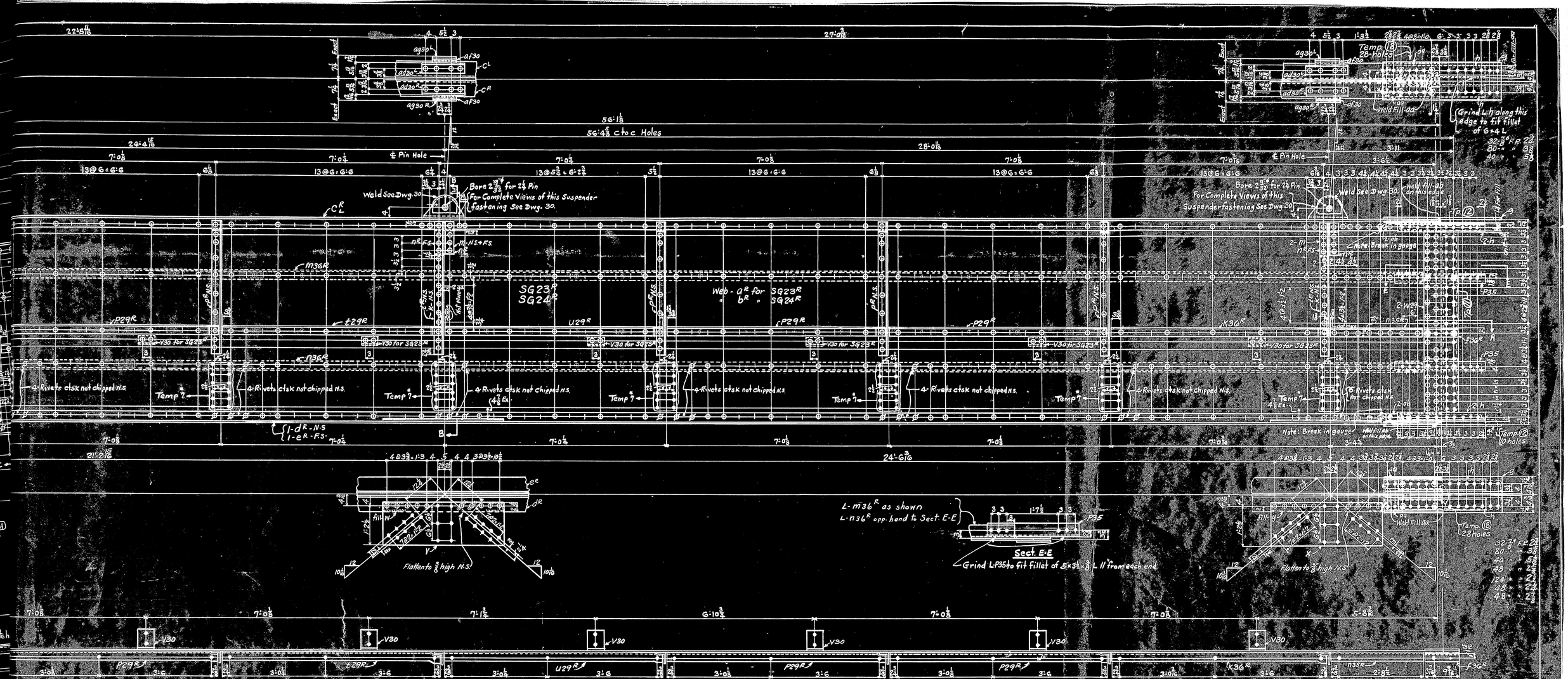
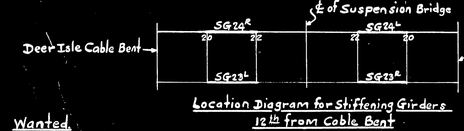


Pl	56:1⅛	
"	56:1⅛	
⅝ x ⅛ IS	56:1⅛	Special Steel
"	56:1⅛	
"	56:1⅛	
3½ x ½ L	1-1	bolted
"	2-10⅜	crimp ⅜
"	6-1½	" " ⅜
"	6-11	" " ⅜
"	6-11⅜	" " ⅜
"	6-11⅝	" " ⅜
"	6-11⅞	" " ⅜
7½ x ⅜ IS bolted	2-10⅜	grind to fit fillet
Spl. Pls. U.F.	5-9⅜	
" " "	3-8½	bolted
5 x ⅜ IS bolted	2-9	grind to fit fillet
" x ⅛	6	"
½ x ⅜ IS	4-3½	
⅜ Fills	3-2⅜	
⅜ Fills	9⅜	
½ x ⅜ IS	12½	
"	12½	
"	4-3½	crimp ⅜
3½ x ⅜ L	12½	

SG23R	SG24R					
4	4	ad30R	7½ x 3½ x ½ L	5/8 R.S.	1-3½	To Bent Girder
4	4	ae30	9 x ⅜ Pls.		7⅜	To Welded
4	4	af30	9 x ⅞ "		11-6⅞	" "
4	4	ag30R	9 x ½ "		12½	To Bent Girder
1	1	m36R	5 x 3½ x ⅝ L		54-11⅞	
1	1	n36R	" " "		54-11⅞	
1	1	V	16 x ⅜ Pl.		3-9½	
1	1	W	3½ x ⅞ Fill		3-9½	
1	1	X	16 x ⅜ Pl.		3-6½	
1	1	Y	3½ x ⅜ Fill		3-6½	
4	4	aa	4½ x ⅞ "		1-10⅜	Welded
4	4	ab	3 x ⅞ "		1-7½	" Free end
6	6		⅞ Shop Bolts		2½	lth.
8	8		" " "		3"	lth.

Wanted.
1-Girder SG23R as Shown & Noted
1- " SG23L oppo. hand
1- " SG24R as Shown & Noted
1- " SG24L oppo. hand.



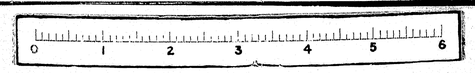
Location Diagram for Stiffening Girders
12th from Cable Bent

Stiffening girder sections must be assembled in the shop for reaming of holes of Splices, in groups of not less than four (4) sections of Girders.

Summary of ⅞" Field Rivets							
Length	2½	2½	2¾	2⅞	3⅛	5⅛	2⅞
Number	48	124	64	48	160	80	48

SPECIFICATIONS: WORKMANSHIP, DEER ISLE - SEDGWICK BRIDGE SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS 1935 EDITION.
STRUCTURAL STEEL, A. S. T. M. A7-36. (EXCEPT THAT FOR THE WEBS, FLANGE ANGLES, FLANGE PLATES AND SPLICE MATERIAL OF THE STIFFENING GIRDERS FOR THE SUSPENSION BRIDGE, THE SPECIFICATIONS FOR STEEL SHALL BE AS FOLLOWS: ULTIMATE STRENGTH 62000 TO 72000 POUNDS PER SQUARE INCH, AND ELASTIC LIMIT 33000 POUNDS PER SQUARE INCH MINIMUM.
CAST STEEL A. S. T. M. A 141-36
RIVETS ⅞" UNLESS NOTED SHOP RIVETS ¾" UNLESS NOTED
ALL MATERIAL FORMING A MEMBER OF A BUILT-UP MEMBER SHALL BE SUBSTANTIALLY AND TRUELY FAIRED IF THE THICKNESS OF THE MATERIAL IS NOT GREATER THAN THE NOMINAL DIAMETER OF THE RIVET. REAMED HOLES PUNCHED 3/16" SMALLER AND AFTERWARDS REAMED TO ⅛" LARGER THAN THE NOMINAL DIAMETER OF THE RIVET SHALL BE CONSIDERED AS DRILLED HOLES IF THE THICKNESS OF THE MATERIAL THROUGH WHICH THE HOLE IS PUNCHED IS NOT GREATER THAN ¾" OR DRILLED TO A METAL TEMPLET IF THE THICKNESS OF THE MATERIAL IS GREATER THAN ¾".
ALL MATERIAL PURCHASED FOR [illegible] MATERIAL USED FOR LATERAL SYSTEMS, END BATTENS, SPACING BARS, END ANGLES, STAY PLATES, END RETAINING [illegible] FORMING ANY PART OF THE SECTION OF MAIN MEMBERS, IF THE THICKNESS OF THE MATERIAL IS NOT GREATER THAN THE NOMINAL DIAMETER OF THE RIVET.
SHOP PAINT ONE COAT OF DUPONT 67-706 DULUX RED LEAD.
CONTACT SURFACES NOT PAINTED.
ERECTION WORKS PAINTED ON PAINTED SURFACES.
FOUR DIAGONALS NOT GIVEN ARE ½
LAST ASSEMBLY MARK aa. SHOP LISTS, PAGES 194-20.

P. W. A. PROJECT NO. ME 1010 D.
DEER ISLE SEDGWICK BRIDGE DISTRICT
BRIDGE OVER EGGEMOGGIN REACH
FROM LITTLE DEER ISLE TO SEDGWICK
HANCOCK COUNTY, MAINE.
ROBINSON & STEINMAN, ENGINEERS, NEW YORK CITY.

STIFFENING GIRDERS

THE PHOENIX BRIDGE CO.
CONTRACT 457
C.O. " 457-A
DRAWING: 37
ENGINEER: J. H. Wenner
DRAFTSMAN: W.B.C. & W.A.R.
CHECKED BY F.E.D. 3/7/38
SCALE: ¾ = 1'-0
DATE Mar. 4-1938