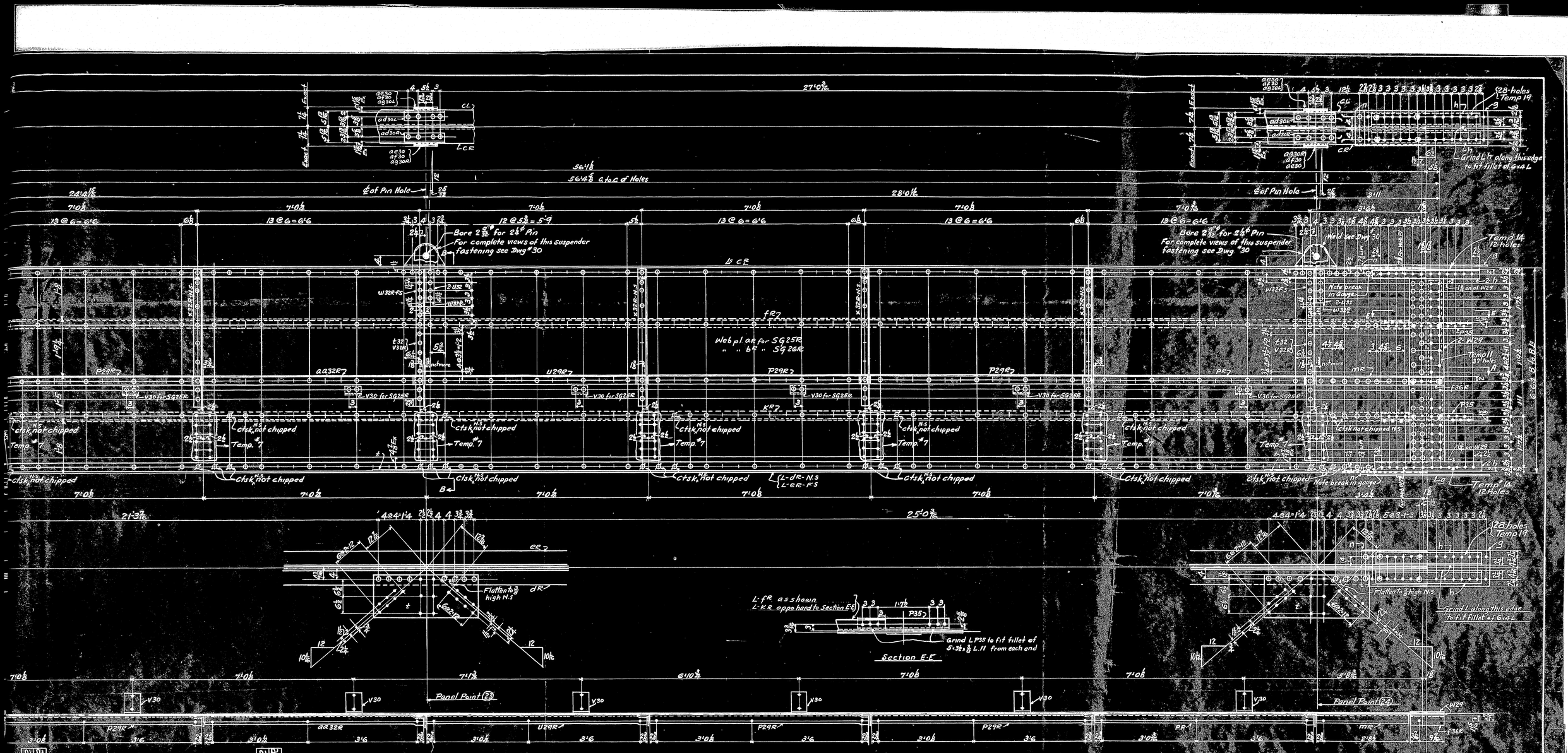

SG25R	SG26R				
1		aR	78 x 3/8 W Pl	56'-1 1/8	Special Steel
	1	bR	do.	56'-1 1/8	
2	2	cE	6 x 4 x 7/16 L	56'-1 1/8	
1	1	dR	do	56'-1 1/8	
1	1	eR	do	56'-1 1/8	
2	2	g	12 1/2 x 1/2 Pl UR	3'-9 1/2	
4	4	h	5 x 3 1/2 x 11/16 L	3'-3 1/2	grind h f.t fillet of G and L
2	2	W29	13 x 5/16 U.R Sq Pl	5'-9 1/2	
8	8		7/8" Shipt Bolts	3 1/2	Uh tobolt g and h to Gird
1	1	fR	5 x 3 1/2 x 3/8 L	54'-11 1/2	
1	1	kR	do	54'-11 1/2	
1	1	g36R	3 1/2 x 3 x 5/16 L	2'-10 1/2	crimp 3/4"
4	4	P29R	do	6'-11 1/2	" 7/8
1	1	aa32R	do	6'-11 1/2	" 1/2
1	1	U29R	do	6'-11	" 3/8
1	1	PR	do	6'-11 1/2	" 1/2
1	1	mR	do	2'-10 1/2	
2	2	P35	5 x 3 1/2 x 3/8 L	2'-10 1/2	bolted, grind to f.t fillet of G & 3 1/2" Vert
1	1	f36R	3 1/2 x 3 x 5/16 L	1'-1	bolted P35
6	6		7/8" Shipt Bolts	2 1/2	Uh tobolt P35 & f36R

SG25R	SG26R				
2	2	n	12 1/2 x 1/2 U.R Pl	2'-1 7/8	Special Steel
4	4	ad30R	7 1/2 x 3 1/2 x 1/2 L 2 1/2"+3 1/2"	1'-3 1/2	T "Bevel edge for welding
4	4	af30	9 x 1/16 Pl	1'-6 3/8	T Welded
4	4	ag30R	9 x 1/2 Pl	12 1/2	T Bevel edge for welding
4	4	ae30	do	7 7/8	T Welded
6	6	x 32R	5 x 3 1/2 x 3/8 L	4'-3 1/2	crimp 3/4"
4 1/2	4 1/2	W32R	do	12 1/2	
2	2	V32R	do	4'-3 1/2	
4	4	U32	7 x 1/2 fills	9 1/2	
2	2	t 32	3 1/2 x 1/2 "	3'-2 1/2	
8		V30	8 x 3 1/2 x 7/16 Ls	6	
2	2	t'	16 x 3/8 Pl	3'-3 1/2	
8	8	ac30R	3 1/2 x 3 1/2 x 7/16 Ls	12 1/2	

Wanted
1-Girder SG25R As shown and noted
1- " SG25L oppo hand
1- " SG26R As shown & noted
1- " SG26L oppo hand

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 "F" Rivets
43-7/8" F Rivets
124- do
48- do
48- do
32- do
192- do
96- do

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 YIELD POINT 39000 POUNDS PER SQUARE INCH, MINIMUM.
RIVET STEEL A. S. T. M. A141 - 36.
RIVETS 7/8" UNLESS NOTED. OPEN HOLES 15/16" UNLESS NOTED.
ALL MATERIAL FORMING A PART OF MAIN MEMBERS SHALL BE SUB-PUNCHED AND REAMED IF THE THICKNESS OF THE MATERIAL IS NOT GREATER THAN THE NOMINAL DIAMETER OF THE RIVET. REAMED HOLES PUNCHED 1/8 SMALLER AND AFTER ASSEMBLING, REAMED 1/8 LARGER THAN THE NOMINAL DIAMETER OF THE RIVET. HOLES SHALL BE DRILLED IN MATERIAL THE THICKNESS OF WHICH IS GREATER THAN THE NOMINAL DIAMETER OF THE RIVET.
HOLES MARKED TEMPLET SHALL BE REAMED, OR DRILLED, TO A METAL TEMPLET 1" THICK.
HOLES MAY BE PUNCHED FULL SIZE IN MATERIAL USED FOR LATERAL, LONGITUDINAL, AND SWAY BRACING, LACING BARS AND ANGLES, STAY PLATES, AND DIAPHRAGMS, NOT FORMING A 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 MARKS PAINTED ON PAINTED SURFACES.
EDGE DISTANCES NOT GIVEN, ARE 1 1/2
LAST ASSEMBLY MARK E SHOP LISTS, PAGES 21 & 22.

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: # 38
ENGINEER: J. H. Wenner.
DRAFTSMAN: W.E.D. T.V.R.
CHECKED BY P.R.D. 3/21/38
SCALE: 3/4 = 1'.
DATE 3-15-38