



Beam	A	B	C	D
F32	5'10"	5'10"	1'5 1/2"	10"
F33	5'9 1/2"	5'11 1/2"	1'5 1/2"	7 1/2"
F34	5'10 1/2"	5'10 1/2"	1'5 1/2"	9 1/2"
F35	6'0"	5'8 1/2"	1'4 1/2"	9 1/2"
F36	4'8 1/2"	7'0 1/2"	1'4 1/2"	8 1/2"
F37	4'4 1/2"	2'4 1/2"	4'8 1/2"	8 1/2"
F38	4'5 1/2"	7'0 1/2"	1'4 1/2"	8 1/2"
F39	4'4 1/2"	2'4 1/2"	4'8 1/2"	8 1/2"
F40	5'10"	5'10"	1'5 1/2"	10"
F41	5'10"	5'10"	1'5 1/2"	10"
F42	5'9 1/2"	5'11 1/2"	1'5 1/2"	10 1/2"
F43	5'10 1/2"	5'10 1/2"	1'5 1/2"	9 1/2"
F44	5'10 1/2"	5'10 1/2"	1'5 1/2"	9 1/2"
F45	6'0"	5'8 1/2"	1'4 1/2"	9 1/2"
F46	5'10 1/2"	5'10 1/2"	1'5 1/2"	10"
F47	6'0"	5'8 1/2"	1'4 1/2"	9 1/2"
F48	5'11 1/2"	5'8 1/2"	1'5 1/2"	9 1/2"
F49	5'9 1/2"	5'11 1/2"	1'5 1/2"	9 1/2"
F50	4'8 1/2"	7'0 1/2"	1'4 1/2"	8 1/2"
F51	4'4 1/2"	2'4 1/2"	4'8 1/2"	8 1/2"
F52	4'5 1/2"	7'0 1/2"	1'4 1/2"	8 1/2"
F53	5'10"	5'10"	1'5 1/2"	10"
F54	5'10"	5'10"	1'5 1/2"	10"
F55	5'10"	5'10"	1'5 1/2"	10"
F56	5'10"	5'10"	1'5 1/2"	10"
F57	6'0"	5'8 1/2"	1'4 1/2"	9 1/2"
F58	6'0"	5'8 1/2"	1'4 1/2"	9 1/2"
F59	5'10"	5'10"	1'5 1/2"	10"

Shop Note: Tops of all floorbeams not to be painted, but to receive one coat of linseed oil.

Summary of 7/8" F Rivets

3520- 1/8" F Rivets 2 3/8"
940- do 2 1/2"
568- do 2 1/2"
704- do 2 3/8"
188- do 2 1/2"
240- do 3 3/8"
116- do 4"

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 62,000 TO 72,000 POUNDS PER SQUARE INCH, AND YIELD POINT 38,000 POUNDS PER SQUARE INCH, MINIMUM.

RIVETS 7/8" UNLESS NOTED. OPEN HOLES 1/2" 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 ZU PONT 67-706 DULUX RED LEAD CONTACT SURFACES NOT PAINTED.

SECTION MARKS PAINTED ON MAIN SURFACES.

EDGE DISTANCES NOT GIVEN, ARE 1/2"

LAST ASSEMBLY MARK K. SHOP LISTS, PAGES 2 & 3.

P. W. A. PROJECT NO. ME 1010 D.

DEER ISLE SEDGWICK BRIDGE DISTRICT

BRIDGE OVER EGGMOGGIN REACH

FROM LITTLE DEER ISLE TO SEDGWICK

HANCOCK COUNTY, MAINE.

ROBINSON & STEINMAN, ENGINEERS, NEW YORK CITY.

Floor Beams Suspension Span

THE PHOENIX BRIDGE CO.

CONTRACT 457

C.O. 457C

25

DRAWN: J. H. Wanner

DRAFTSMAN: J. H. Wanner

CHECKED BY: P. R. D. 4.9.39

SCALE: 3/4" = One Foot

2-15-38

DATE

