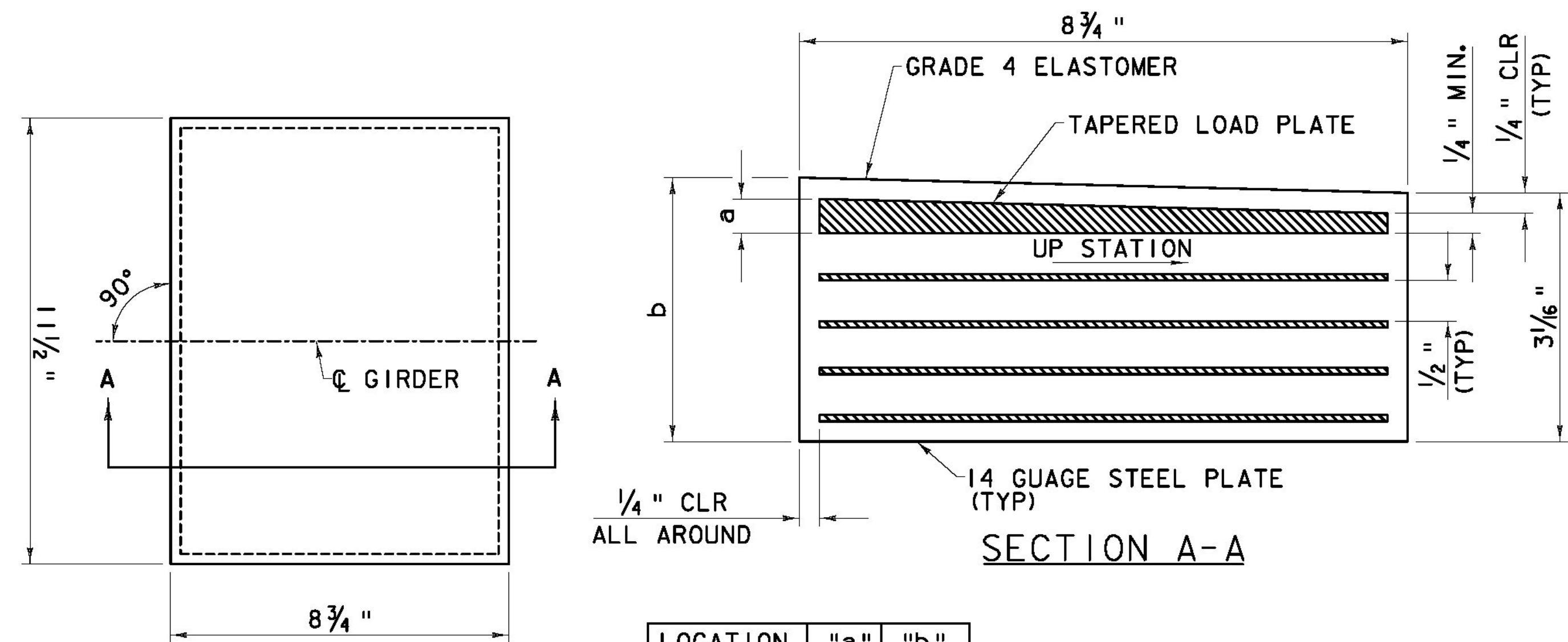


# BEAM SCHEDULE

BEAM TYPE	BEAM NO.	NO. REQUIRED	LT. = LT. EXT. RT. = RT. EXT.	SPAN NUMBER	SPAN CTR.-CTR. BEARINGS ALONG BEAM $\phi$	"A"-O-O BEAM (HORIZ. LENGTH AFT. SHORTENING)	BEAM WT. KIPS	CONC. STRENGTH AT 28 DAYS, KSI	CONC. STRENGTH AT RELEASE, KSI	INITIAL TENSION PER STRAND, KIPS	NO. OF STRANDS PER BEAM "N"	DEFLECT'D STRND PER BEAM "D"	C.G. STRAND AT BEAM END	C.G. STRAND AT MIDSPAN	FIGURE NO. FOR STRAND PATTERN	EST. MIDSPAN DEFLECTION					EST. SHORTENING 2 WEEKS AFTER RELEASE	
																UPWARD AT RELEASE	UPWARD 3 MOS. AFTER RELEASE	DOWN DUE TO LOAD & ERECTOR	DOWN DUE TO SDL & ERECTOR *	FINAL CAMBER & ERECTOR		
F-24	A-1	1	LT.	A	46' - 11 <sup>9</sup> / <sub>16</sub> "	48' - 5 <sup>3</sup> / <sub>16</sub> "	54.0	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	A-2	1	---	A	46' - 11 <sup>3</sup> / <sub>16</sub> "	48' - 5 <sup>3</sup> / <sub>16</sub> "	54.0	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	A-3	1	---	A	46' - 10 <sup>7</sup> / <sub>16</sub> "	48' - 4 <sup>1</sup> / <sub>2</sub> "	54.0	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	A-4	1	RT.	A	46' - 10 <sup>1</sup> / <sub>2</sub> "	48' - 4 <sup>1</sup> / <sub>2</sub> "	53.9	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	B-1	1	LT.	B	46' - 9 <sup>3</sup> / <sub>16</sub> "	48' - 3 <sup>3</sup> / <sub>16</sub> "	54.2	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	B-2	1	---	B	46' - 9 <sup>1</sup> / <sub>2</sub> "	48' - 3 <sup>1</sup> / <sub>2</sub> "	54.2	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	B-3	1	---	B	46' - 9 <sup>13</sup> / <sub>16</sub> "	48' - 3 <sup>13</sup> / <sub>16</sub> "	54.3	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	B-4	1	RT.	B	46' - 10"	48' - 4"	54.3	8	6.2	43.94	34	-	7.73"	7.21"	1	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	C-1	1	LT.	C	41' - 10 <sup>1</sup> / <sub>8</sub> "	43' - 4 <sup>1</sup> / <sub>8</sub> "	48.1	8	6	43.94	26	-	7.50"	7.12"	2	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>16</sub> "	0"	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	C-2	1	---	C	41' - 10 <sup>5</sup> / <sub>16</sub> "	43' - 4 <sup>5</sup> / <sub>16</sub> "	48.1	8	6	43.94	26	-	7.50"	7.12"	2	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>16</sub> "	0"	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	C-3	1	---	C	41' - 10 <sup>9</sup> / <sub>16</sub> "	43' - 4 <sup>9</sup> / <sub>16</sub> "	48.1	8	6	43.94	26	-	7.50"	7.12"	2	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>16</sub> "	0"	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>8</sub> "	
F-24	C-4	1	RT.	C	41' - 10 <sup>3</sup> / <sub>4</sub> "	43' - 4 <sup>3</sup> / <sub>4</sub> "	48.2	8	6	43.94	26	-	7.50"	7.12"	2	3 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> "	5 <sup>1</sup> / <sub>16</sub> "	0"	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>8</sub> "	

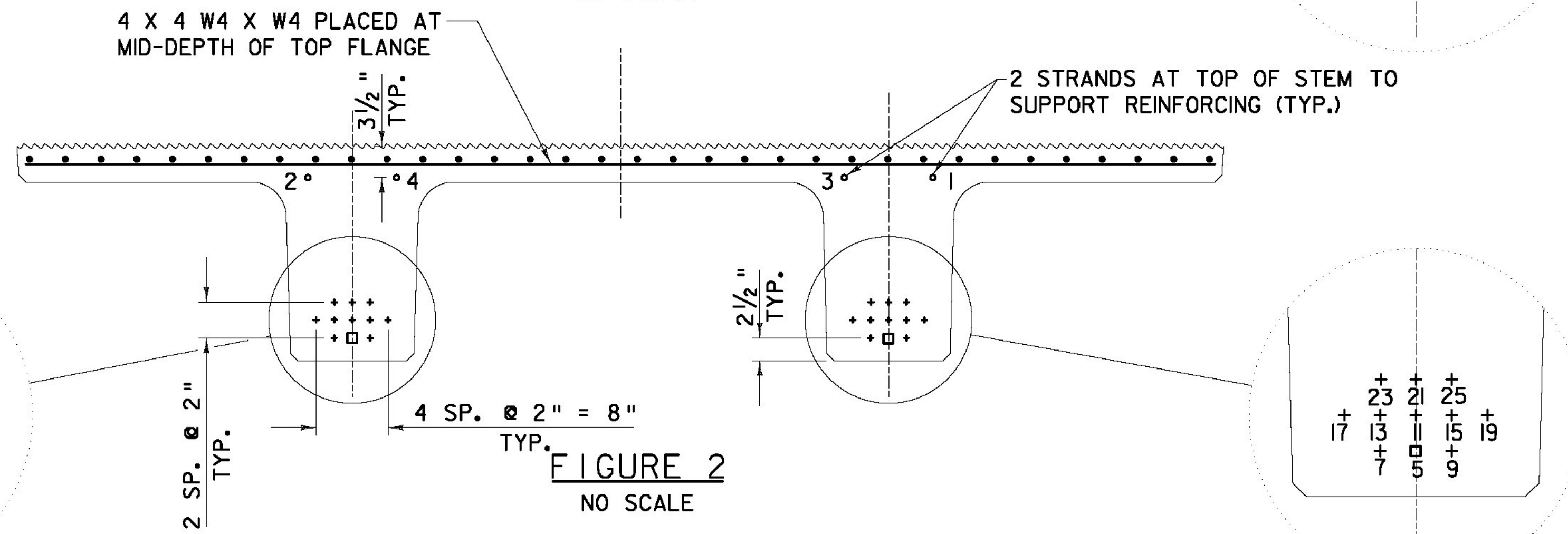
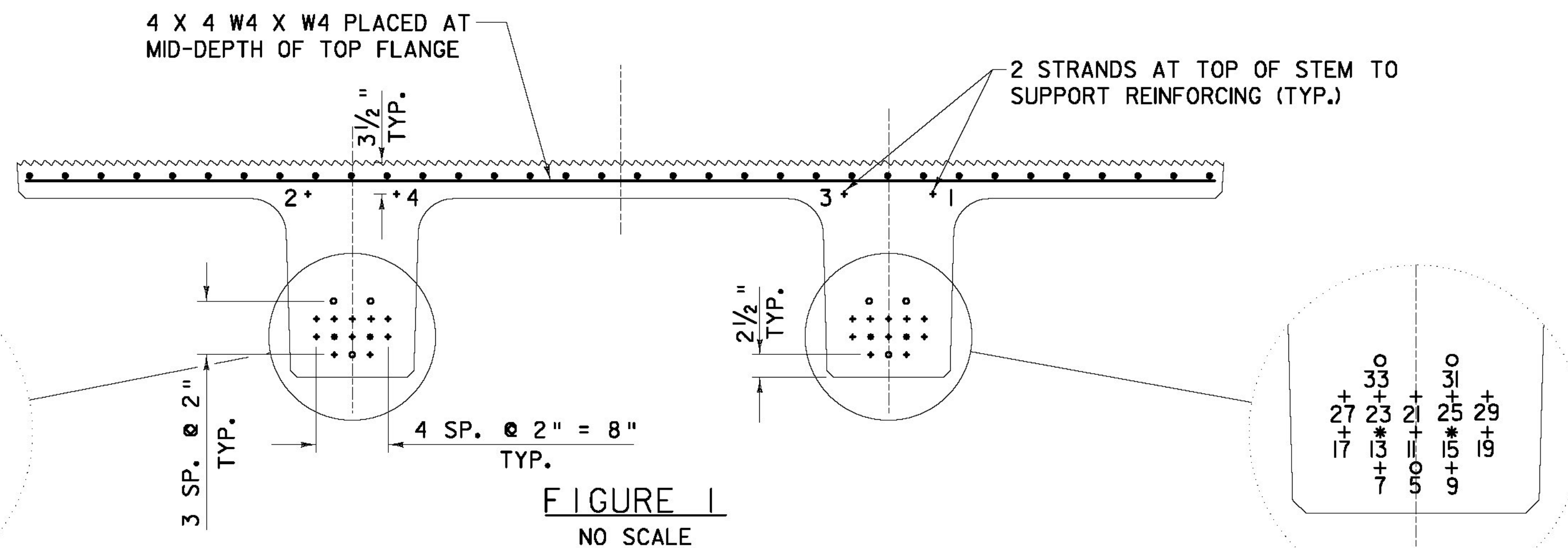
\* SDL (SUPERIMPOSED DEAD LOAD) DOES NOT INCLUDE  
FWS (FUTURE WEARING SURFACE)



NOTE:  
1. EXTEND STRANDS 6, 8, 10, 18 AND 20 IN  
THE "LEFT" STEM AND STRANDS 5, 7, 9, 17  
AND 19 IN THE "RIGHT" STEM 18" OUT ENDS  
OF BEAM. ALL OTHER STRANDS TO EXTEND  
4 INCHES BEYOND END OF BEAM.

### PRESTRESSING LEGEND

- + FULLY TENSIONED STRAND
- o FULLY TENSIONED STRAND (DEBOND 0.50 FEET)
- FULLY TENSIONED STRAND (DEBOND 5.75 FEET)
- \* FULLY TENSIONED STRAND (DEBOND 8.75 FEET)



AS BUILT  
RECORD PLANS

### BEARING NOTES:

- BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF STANDARD SPECIFICATION SECTIONS 531 AND 731 AND CRITERIA NOTED WITHIN THESE PLANS.
- ALTERNATE CONFIGURATIONS FOR BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATE SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE DESIGN LOADS AND CRITERIA SHOWN ON THIS SHEET AND APPLICABLE SECTIONS OF AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION WITH INTERIMS THROUGH 2009.
- DESIGN CRITERIA
  - A. BEARING PAD TO CONCRETE DESIGN PRESSURE = 1000 PSI MAXIMUM
  - B. MINIMUM ALLOWABLE DESIGN ROTATION = 0.020 RADIAN
  - C. DESIGN LOAD PER BEARING (SERVICE I)
 

DC & DW	36 KIPS
LL + IM	50 KIPS
- ELASTOMERIC BEARINGS DESIGNED IN ACCORDANCE WITH AASHTO LRFD, METHOD A.
- ELASTOMER SHALL HAVE A MINIMUM SHEAR MODULUS OF 140 PSI.

RFC PLANS - WORK PACKAGE #7  
BRIDGE 5N  
SEPTEMBER 21, 2011

BECK & BELLUCCI, INC.	TYLIN INTERNATIONAL	PROJECT NAME: BRATTLEBORO	PLOT DATE: 9/21/2011
		PROJECT NUMBER: IM 091-(K50)	DRAWN BY: J. Greene
		FILE NAME: ZB-100-BR5-406.dgn	CHECKED BY: J. E. Krajewski
		PROJECT LEADER: Brian W. Clogston P.E.	SHEET ZB-100-BR5-406
		DESIGNED BY: Richard Bollinger P.E.	
		NEXT BEAM TENSIONING SCHEDULE	