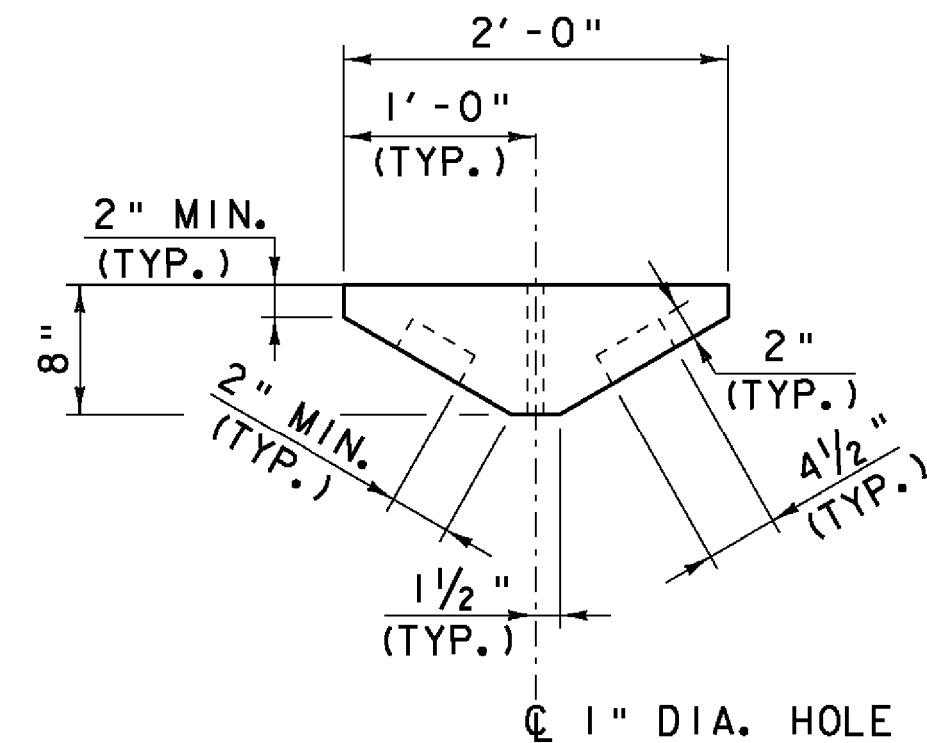
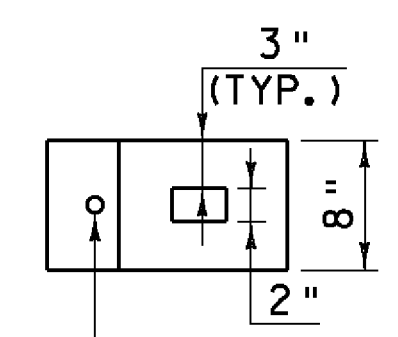


PLAN

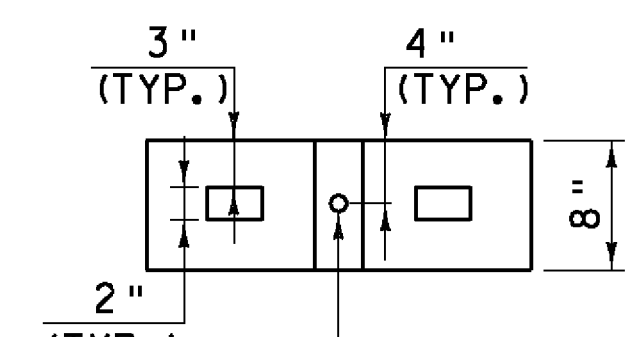


PLAN



ELEVATION

1" DIA. HOLE FOR GALV. TIE ROD (TYP.)

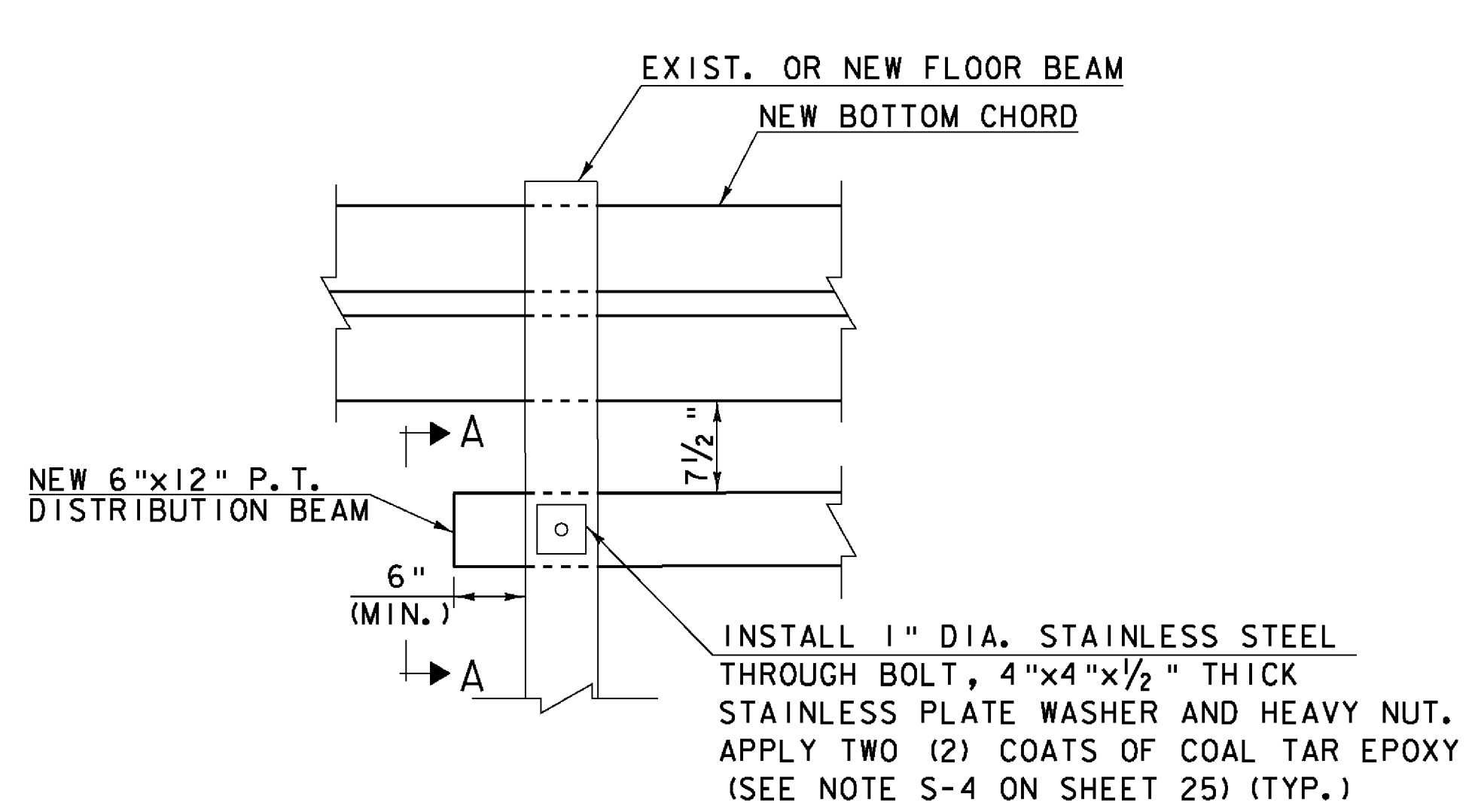


ELEVATION

1" DIA. HOLE FOR GALV. TIE ROD (TYP.)

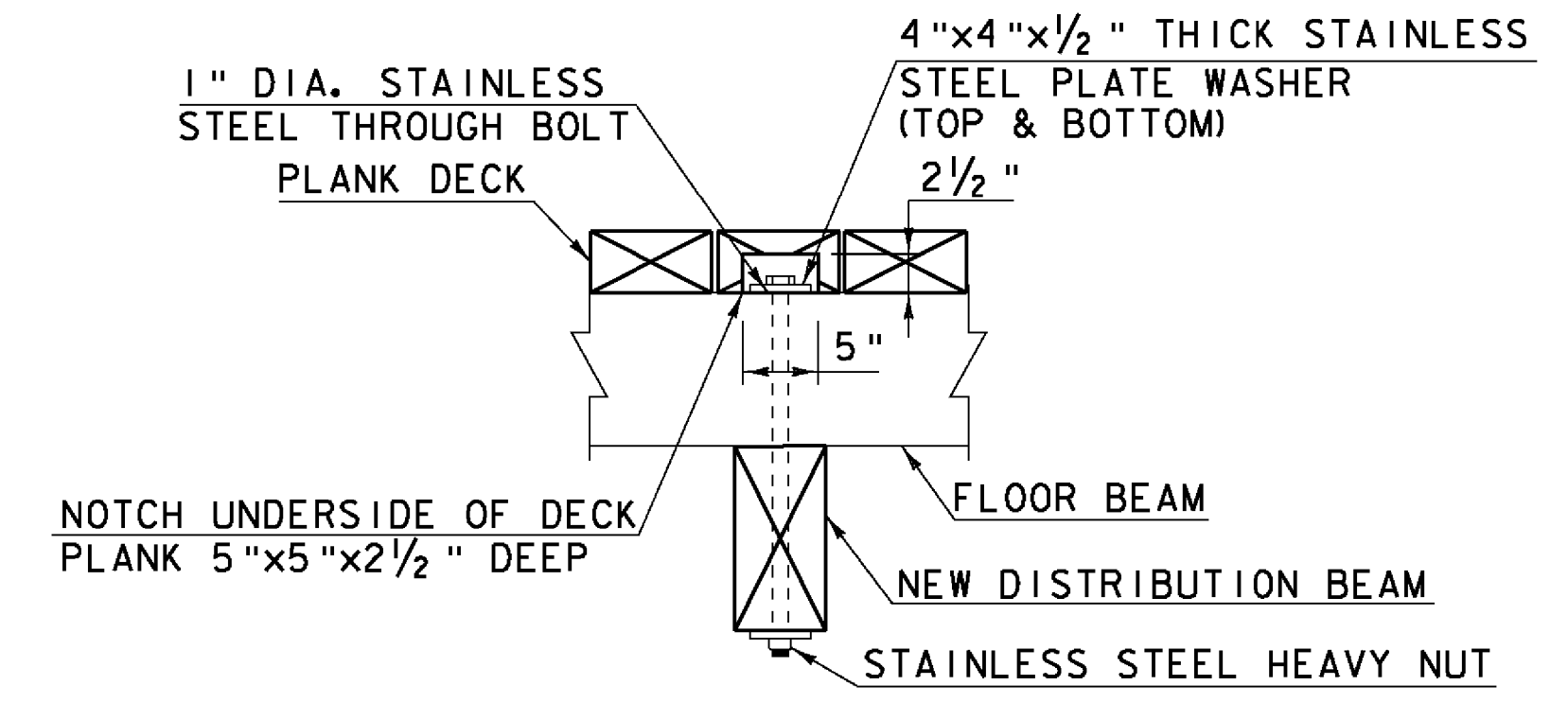
BEARING BLOCK DETAIL "A" BEARING BLOCK DETAIL "B"

BEARING BLOCKS DETAILS
SCALE: 1" = 1'-0"



NOTE: DECKING NOT SHOWN FOR CLARITY.

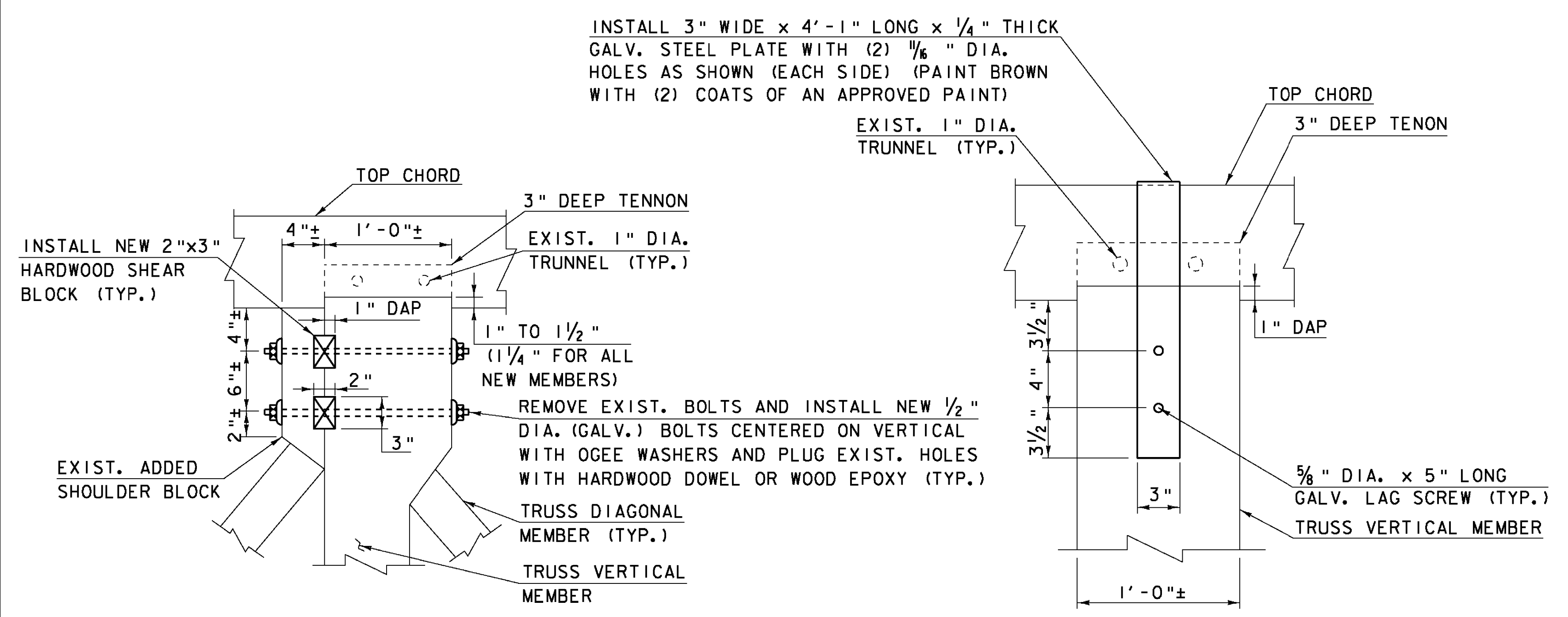
DETAIL "C"
SCALE: 1" = 1'-0"



SECTION A-A
SCALE: 1" = 1'-0"

CAMBER NOTES:

- ALL VALUES IN CAMBER TABLE ARE MEASURED FROM REFERENCE LINES THAT ARE A STRAIGHT LEVEL LINE CONNECTING POINTS LOCATED AT THE TOP OF BOTTOM CHORD. NEGATIVE VALUES INDICATE DOWN DIRECTIONS (SAG). ALL VALUES WERE OBTAINED IN NOVEMBER 2010 AND ARE APPROXIMATE.
- THE EXISTING COVERED BRIDGE SHALL BE JACKED AND BRACED AS REQUIRED PRIOR TO THE START OF REALIGNMENT OPERATIONS. INSTALLATION OF NEW TRUSS MEMBERS SHALL NOT BEGIN UNTIL REALIGNMENT OPERATIONS ARE COMPLETE. SEE NOTE RS-4 ON SHEET 26 FOR MORE INFORMATION.
- THE CONTRACTOR SHALL JACK THE BRIDGE TO A MAXIMUM 4" MIDSPAN CAMBER BETWEEN EACH SUPPORT PRIOR TO REPLACING TRUSS MEMBERS. ALL COST OF SUCH WORK IS PAID FOR UNDER ITEM 900.645, SPECIAL PROVISION (REHABILITATING COVERED BRIDGE SUPERSTRUCTURE). SEE SPECIAL PROVISIONS AND NOTE W-10 ON SHEET 25 FOR ADDITIONAL WORK TO BE PAID UNDER THIS PAY ITEM.
- THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER THE MEASUREMENTS OF THE AS-BUILT CAMBER. ALL COST OF SUCH WORK IS PAID FOR UNDER ITEM 900.645, SPECIAL PROVISION (REHABILITATING COVERED BRIDGE SUPERSTRUCTURE).



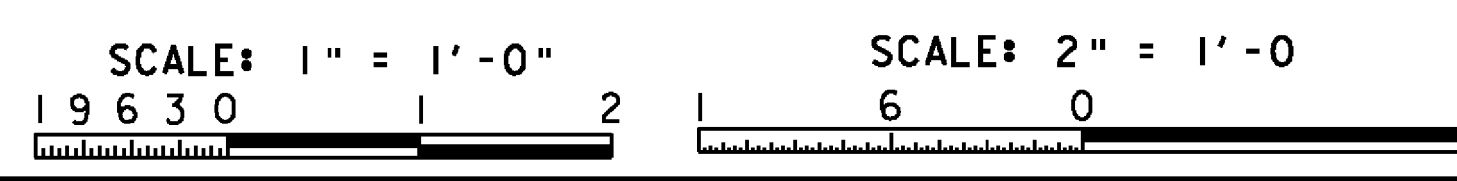
VERTICAL TO TOP CHORD JOINT DETAIL
SCALE: 1/2" = 1'-0"

(INTERIOR TRUSS NODES I3, I12, I15, I18 AND I20)
NOTE: INSTALL CONNECTION PLATES AFTER REALIGNMENT OF TRUSSES AND ARCHES.
VERTICAL TO TOP CHORD CONNECTION DETAIL
SCALE: 2" = 1'-0"

EXISTING AND AS-BUILT TRUSS CAMBER (INCHES) *													
NODES	(1A)	(1B)	(1C)	(2A)	(2B)	(2C)	NODES	(1A)	(1B)	(1C)	(2A)	(2B)	(2C)
0	-----	-----	-----				12	-0.55	-0.24	-1.72			
1	0.00	0.00	0.00				13	-0.37	+0.78	-0.58			
2	-1.09	-1.88	-1.39				14	-0.05	0.00	0.00			
3	-4.79	-2.31	-2.16				15	-2.87	-1.81	-3.10			
4	-3.06	-3.34	-2.57				16	-2.72	-3.13	-4.89			
5	-2.29	-3.12	-2.87				17	-0.83	-2.96	-5.84			
6	-0.91	-1.96	-1.42				18	-4.15	-3.68	-3.26			
7	-0.05	0.00	0.00				19	-4.93	-3.06	-2.28			
8	-5.07	-2.68	-0.63				20	-1.36	-1.83	-1.59			
9	-4.76	-3.51	-4.57				21	0.00	0.00	0.00			
10	-3.96	-4.57	-1.33				22	-----	-----	-----			
11	-1.54	-2.15	-1.41										

- (1A) EXISTING CAMBER NORTH TRUSS
- (1B) EXISTING CAMBER INTERIOR TRUSS
- (1C) EXISTING CAMBER SOUTH TRUSS
- (2A) AS-BUILT CAMBER NORTH TRUSS
- (2B) AS-BUILT CAMBER INTERIOR TRUSS
- (2C) AS BUILT CAMBER SOUTH TRUSS

* NEGATIVE VALUES INDICATE SAG AND POSITIVE VALUES INDICATE CAMBER



Hoyle, Tanner & Associates, Inc.
HTA PROJECT NO. 904217 MODEL detail-3

PROJECT NAME: MIDDLEBURY-WEYBRIDGE
PROJECT NUMBER: BHO 1445(33)
FILE NAME: z06J086D+13.dgn
PROJECT LEADER: M.D.SARGENT
DESIGNED BY: J.BICJA
BRIDGE DETAILS (3 OF 4)
PLOT DATE: 9/20/2011
DRAWN BY: J.B.McQUAID
CHECKED BY: S.T.JAMES
SHEET 47 OF 66