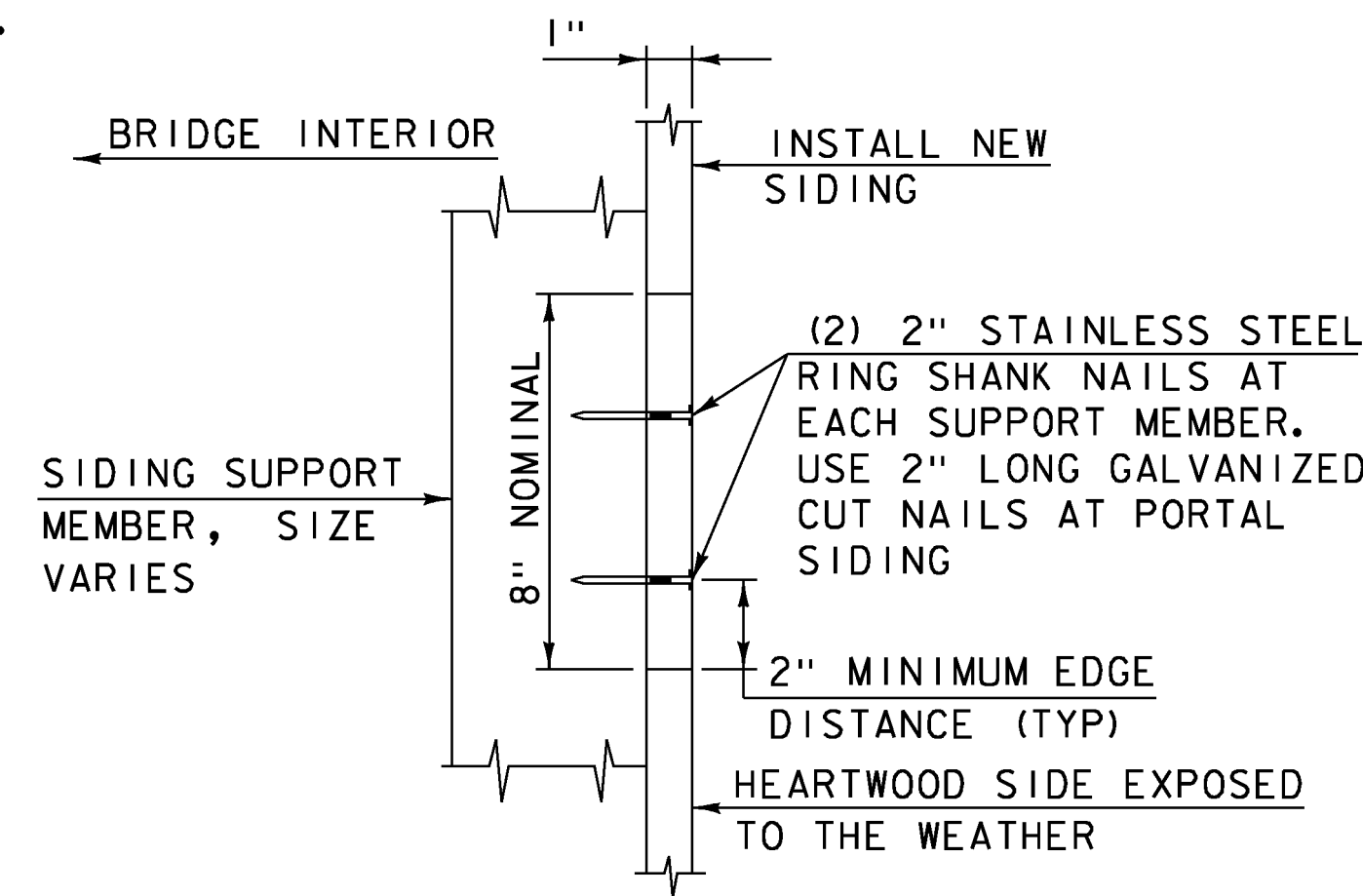
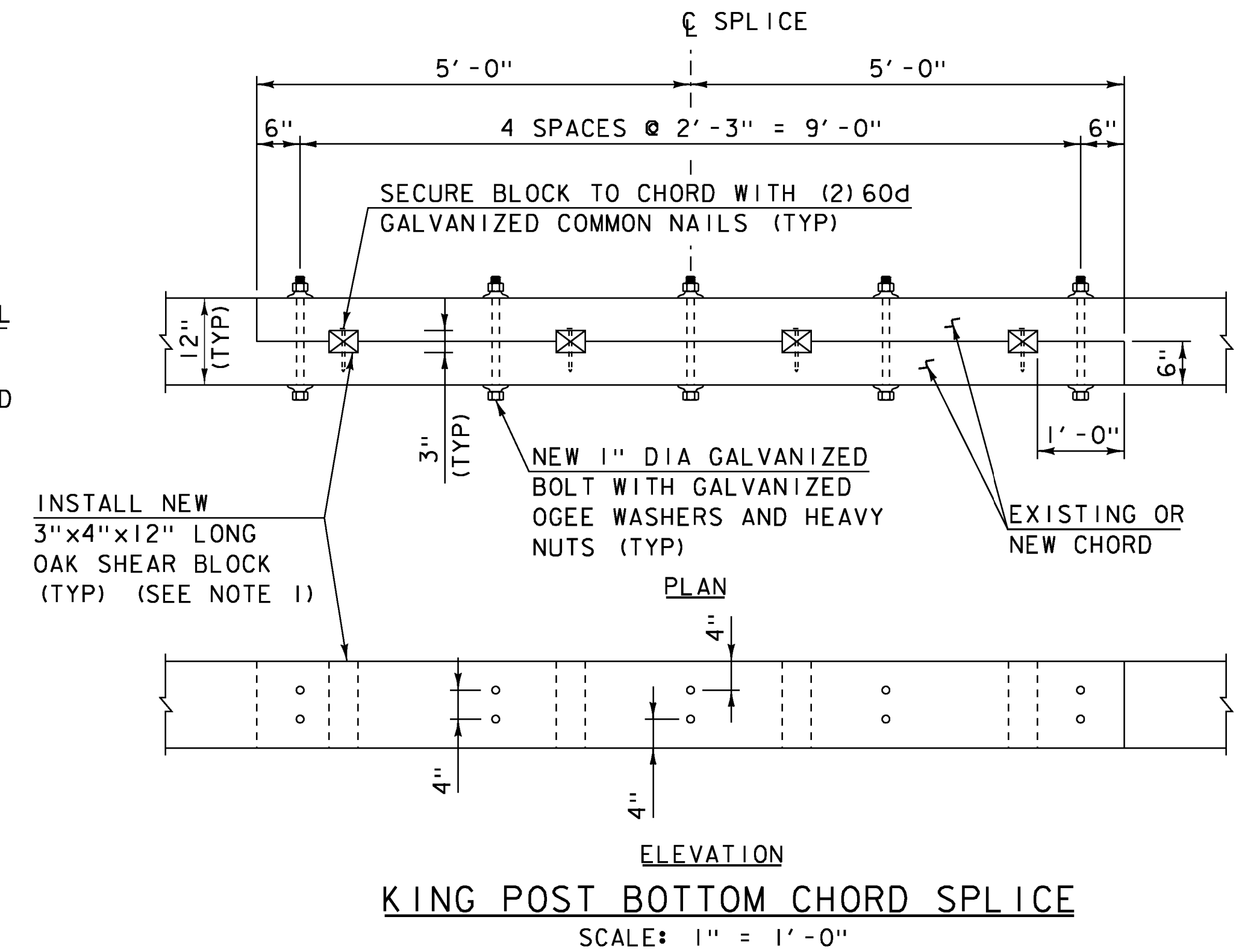


CAMBER NOTES

- ALL VALUES IN CAMBER TABLE ARE MEASURED FROM A REFERENCE LINE THAT IS A STRAIGHT LEVEL LINE CONNECTING POINTS LOCATED AT THE TOP OF THE BOTTOM CHORD FROM ABUTMENT NO. 1 TO PIER NO. 2 FOR THE KING POST TRUSS AND AT THE TOP OF CHORD 3 FROM PIER NO. 2 TO ABUTMENT NO. 2 FOR THE TOWN LATTICE TRUSS. NEGATIVE VALUES INDICATE DOWN DIRECTIONS (SAG).
- 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 COMPLETED. SEE NOTE RS-5 ON SHEET 7 FOR MORE INFORMATION.
- THE CONTRACTOR SHALL JACK AND STRAIGHTEN THE TOWN LATTICE TRUSS TO A MAXIMUM 4" MIDSPAN CAMBER (AT CENTERLINE OF PIER NO.3) PRIOR TO REPLACING TRUSS MEMBERS. CAMBER IN THE FINAL CONDITION SHALL BE MAINTAINED WITH BLOCKING AT PIER NO.3. DUE TO THE CONDITION AND SAG OF THE EXISTING TOWN LATTICE TRUSSES, THE CONTRACTOR SHALL TAKE EXTREME CAUTION WHILE JACKING THE TRUSS AT PIER NO. 3. JACKING SHALL CEASE IMMEDIATELY IF DAMAGE TO THE TRUSS SUCH AS SPLITS OR CRACKS IN THE CHORD AND LATTICE OR SHEARING OF TRUNNELS IS SUSTAINED OR IS IMMINENT IN THE OPINION OF THE ENGINEER. THE TOP ELEVATION OF THE NEW PIER NO. 3 CONCRETE PEDESTALS AS DETAILED ON SHEET 48 SHALL BE SET IN THE FIELD UPON COMPLETION OF THE JACKING OPERATIONS.
- THE KING POST TRUSSES SHALL BE CAMBERED TO 2" AT MIDSPAN BY ADJUSTING THE HANGER RODS. THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO AVOID DEFLECTIONS IN KING POST UPPER CHORD AND DIAGONAL MEMBERS DURING HANGER ROD ADJUSTMENT.
- PAYMENT FOR ALL WORKS AS DETAILED IN NOTES 3 AND 4 WILL BE INCLUDED UNDER ITEM 900.645, SPECIAL PROVISION (REHABILITATING COVERED BRIDGE SUPERSTRUCTURE). SEE SPECIAL PROVISION AND NOTE W-8 ON SHEET 7 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. PAYMENT WILL BE MADE UNDER ITEM 900.645, SPECIAL PROVISION (REHABILITATING COVERED BRIDGE SUPERSTRUCTURE).



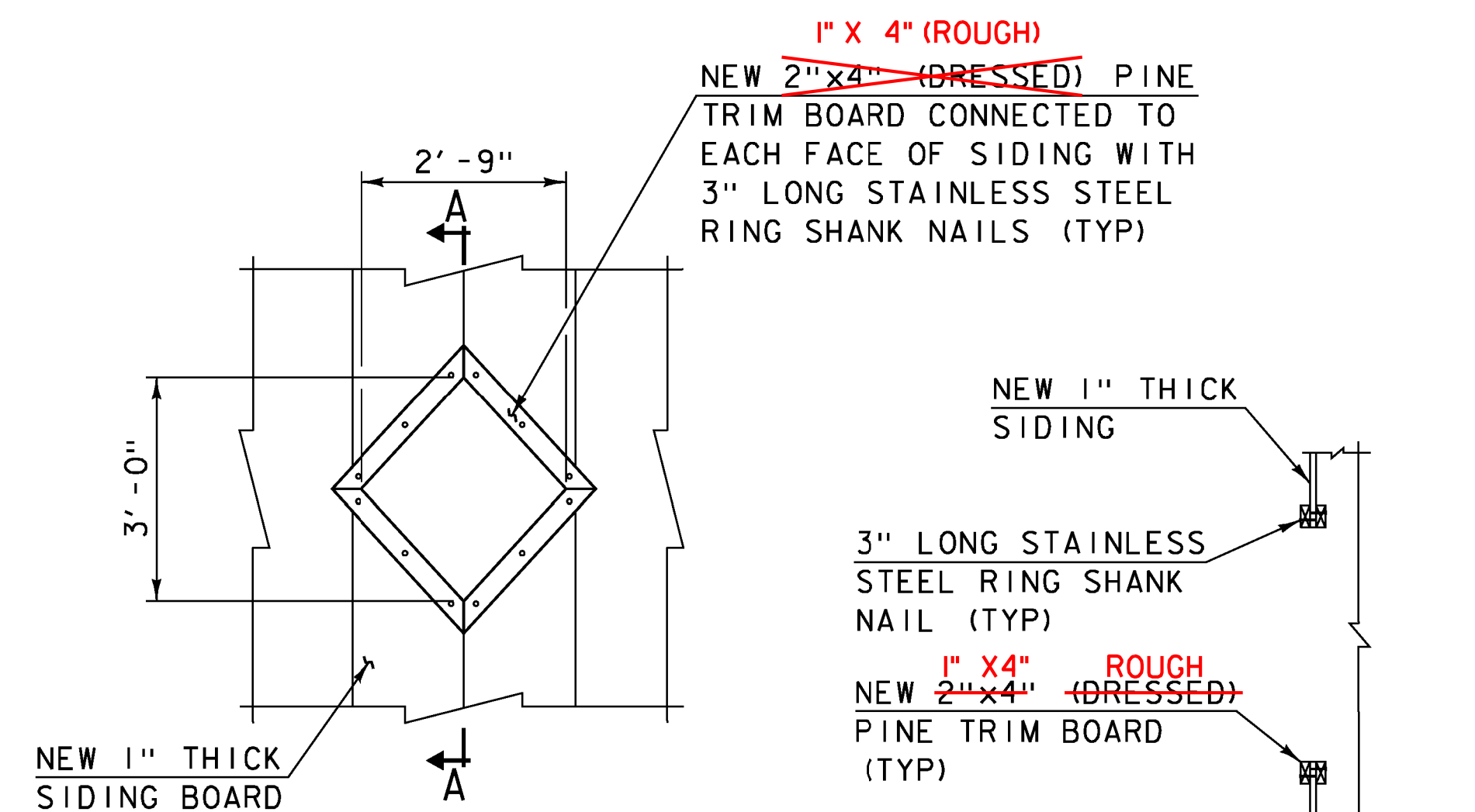
NEW SIDING DETAIL (PLAN VIEW)
SCALE: 3" = 1'-0"



KING POST BOTTOM CHORD SPLICE
SCALE: 1" = 1'-0"

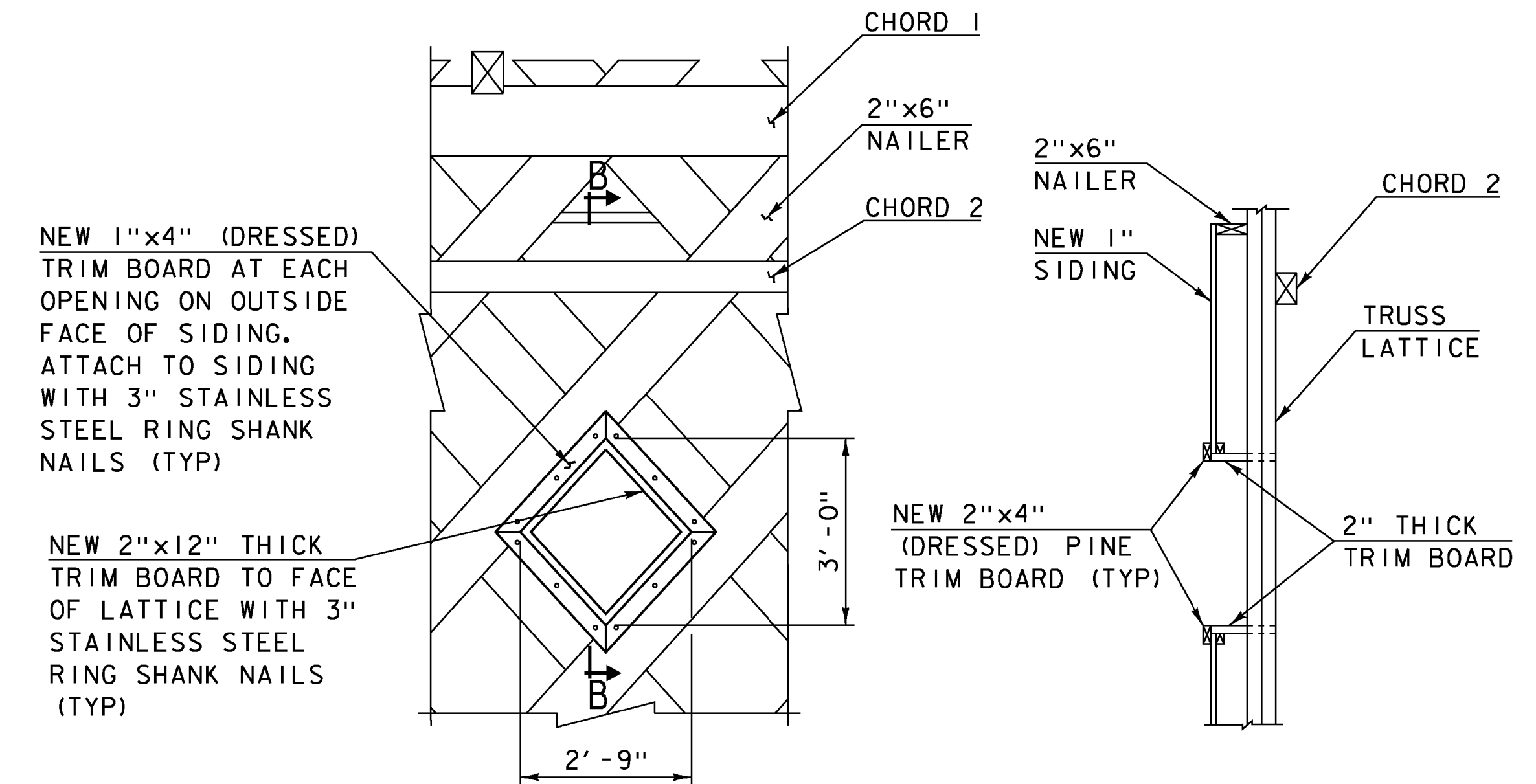
EXISTING AND AS-BUILT KING POST TRUSS CAMBER (INCHES) *						
NODES	(1A)	(1B)	(2A)	(2B)	(3A)	(3B)
WK2	---	---	---	---	470.70	470.67
WK3	-1.16	-2.64	---	---	470.83	470.86
WK4	-2.30	-5.16	2.0	2.0	470.93	470.96
WK5	-2.23	-2.64	---	---	470.89	470.93
WK6	-0.75	-0.12	---	---	---	---
WK7	---	---	---	---	470.86	470.87
EK1	---	---	---	---	470.90	470.87
EK2	0.75	0.49	---	---	470.80	470.79
EK3	1.12	0.99	2.0	2.0	470.75	470.75
EK4	1.37	1.90	---	---	470.64	470.64
EK5	0.70	0.66	---	---	470.50	470.53
EK6	---	---	---	---	---	---

EXISTING AND AS-BUILT TOWN LATTICE TRUSS CAMBER (INCHES) *						
NODES	(1A)	(1B)	(2A)	(2B)	(3A)	(3B)
1	---	---	---	---	470.52	470.54
3	-0.77	-1.73	---	---	470.61	470.58
5	-1.55	-3.22	---	---	470.70	470.64
7	-2.92	-3.99	---	---	470.79	470.72
9	-4.30	-3.68	---	---	470.89	470.82
11	-6.39	-4.45	---	---	470.93	470.91
13	-7.04	-4.62	---	---	471.02	470.98
15	-7.34	-5.56	---	---	471.07	471.04
17	-8.11	-5.73	---	---	471.10	471.08
19	-9.49	-4.64	---	---	471.16	471.13
21	-9.54	-4.93	4.00	4.00	471.22	471.18
23	-10.67	-4.62	4.00	4.00	471.25	471.20
25	-11.81	-4.98	---	---	471.27	471.19
27	-12.22	-4.30	---	---	471.28	471.17
29	-12.76	-3.81	---	---	471.29	471.21
31	-11.25	-4.40	---	---	471.27	471.22
33	-9.26	-2.83	---	---	471.26	471.23
35	-6.80	-2.40	---	---	471.24	471.24
37	-4.33	-1.61	---	---	471.22	471.21
39	-2.35	-0.34	---	---	471.21	471.21
41	---	---	---	---	471.21	471.21



KING POST SIDING WINDOW DETAIL
SCALE: 1/2" = 1'-0"

SECTION A-A
SCALE: 1/2" = 1'-0"



TOWN LATTICE SIDING WINDOW DETAIL
SCALE: 1/2" = 1'-0"

SECTION B-B
SCALE: 1/2" = 1'-0"

NOTES

- A NEW 3" OAK BLOCK IS REQUIRED FOR ALL NEW AND EXISTING KING POST SPLICES. EXISTING BLOCKS ARE 1/2" WIDE. AFTER THE BRIDGE IS ADEQUATELY SHORED AND DEAD LOAD STRESSES ARE RELEASED CONTRACTOR SHALL REMOVE ALL EXISTING KING POST SPLICE BLOCKS, ENLARGE EXISTING OR CUT NEW NOTCHES AND RE-DRIVE NEW 3" WIDE BLOCKS. COSTS FOR MODIFYING EXISTING SPLICES WILL BE INCLUDED IN ITEM 900.645, SPECIAL PROVISION (REHABILITATING COVERED BRIDGE SUPERSTRUCTURE).
- SEE SHEET 41 FOR NOTES THAT APPLY TO THIS SHEET.

- (1A) EXISTING CAMBER SOUTH TRUSS * NEGATIVE VALUES INDICATE SAG
 (1B) EXISTING CAMBER NORTH TRUSS
 (2A) PROPOSED CAMBER SOUTH TRUSS
 (2B) PROPOSED CAMBER NORTH TRUSS
 (3A) AS-BUILT CAMBER SOUTH TRUSS
 (3B) AS-BUILT CAMBER NORTH TRUSS

PROJECT NAME: TOWNSHEND
 PROJECT NUMBER: STP SCTT(1)

Hoyle, Tanner & Associates, Inc.

HTA PROJECT	MODEL
904225	904225Detail3

FILE NAME: 904225Detail3.dgn
 PROJECT LEADER: M.D.SARGENT
 DESIGNED BY: J.C.RIPLEY
STRUCTURAL DETAILS (3 OF 5)

PLOT DATE: 8/13/2015
 DRAWN BY: T.A.GELINAS
 CHECKED BY: S.T.JAMES
 SHEET 43 OF 60