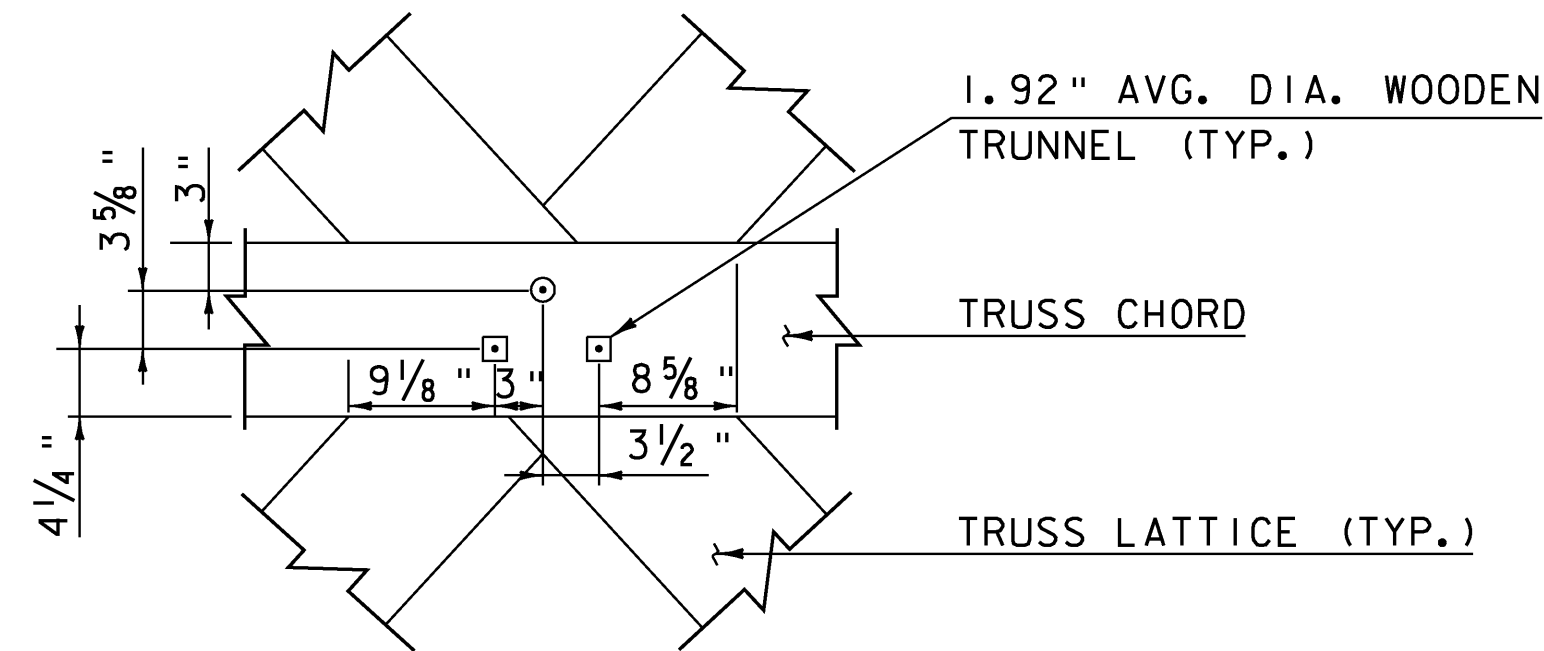


**TYPICAL LATTICE TO LATTICE  
2 TRUNNEL CONNECTION**

SCALE: 1" = 1'-0"

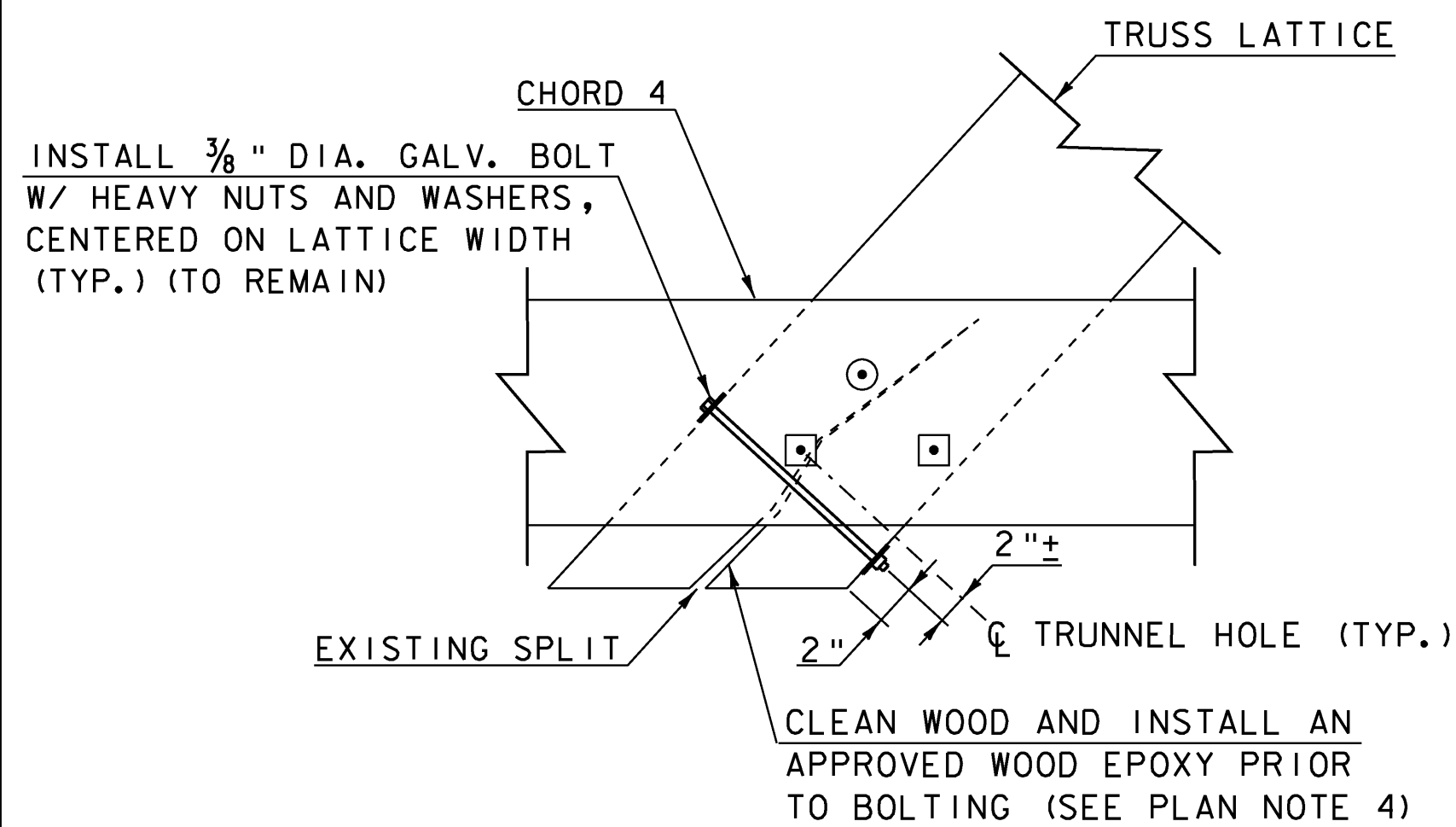
NOTE: TRUNNEL ORIENTATION AND SPACING VARIES.



**TYPICAL LATTICE TO CHORD  
3 TRUNNEL CONNECTION**

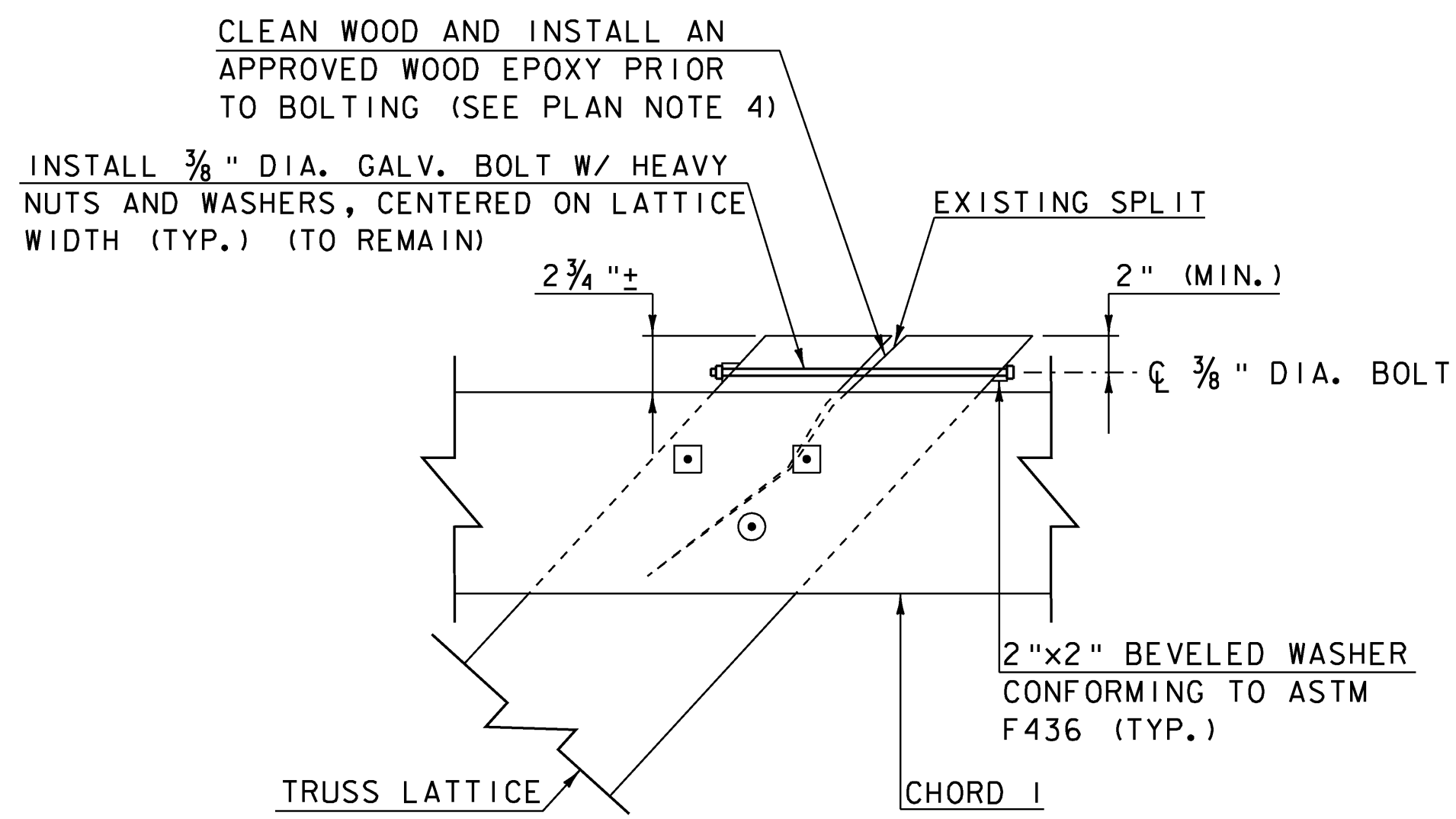
SCALE: 1" = 1'-0"

NOTE: TRUNNEL ORIENTATION AND SPACING VARIES.



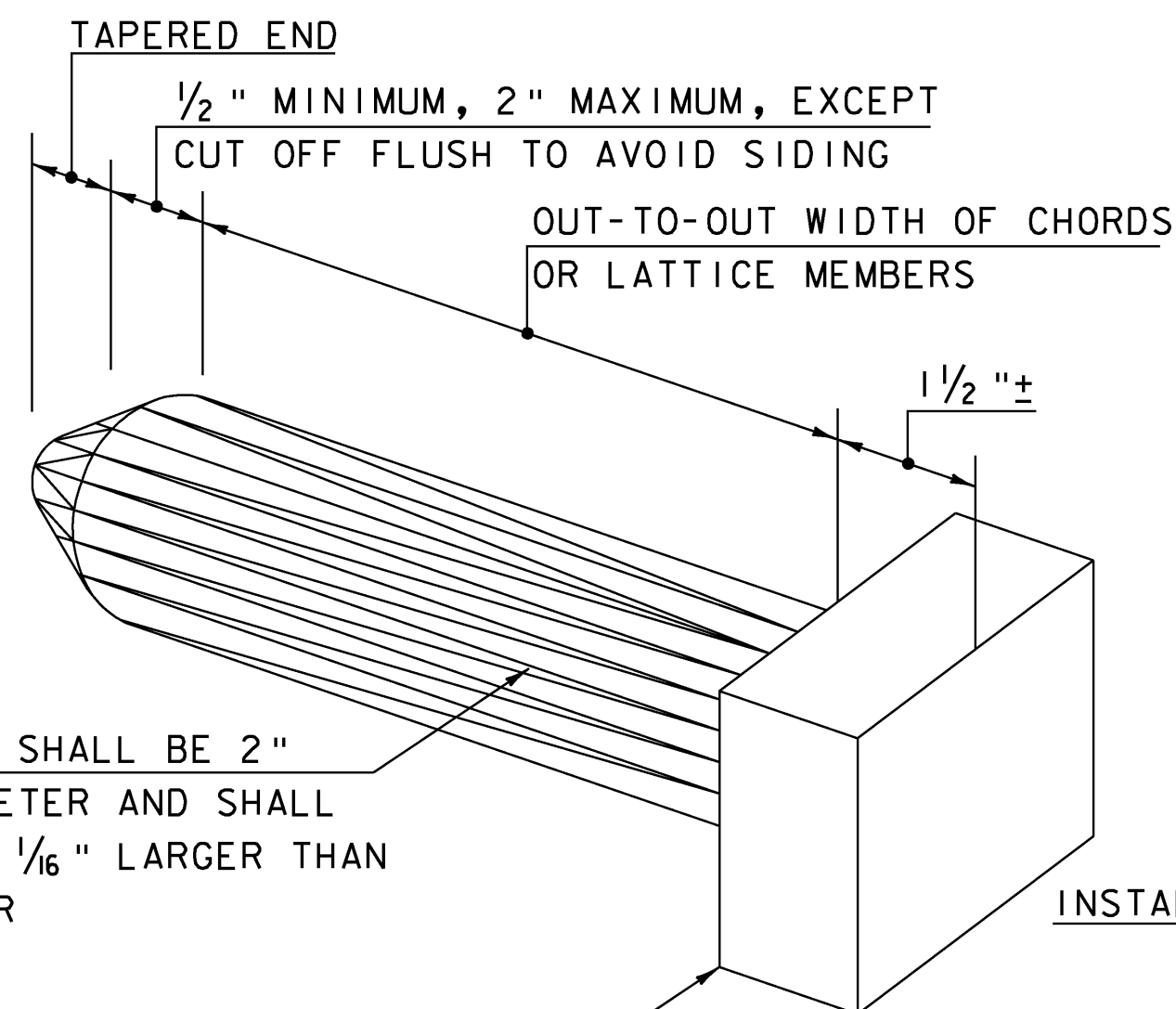
**BOTTOM END SPLIT LATTICE REPAIR DETAIL**

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



**TOP END SPLIT LATTICE REPAIR DETAIL**

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

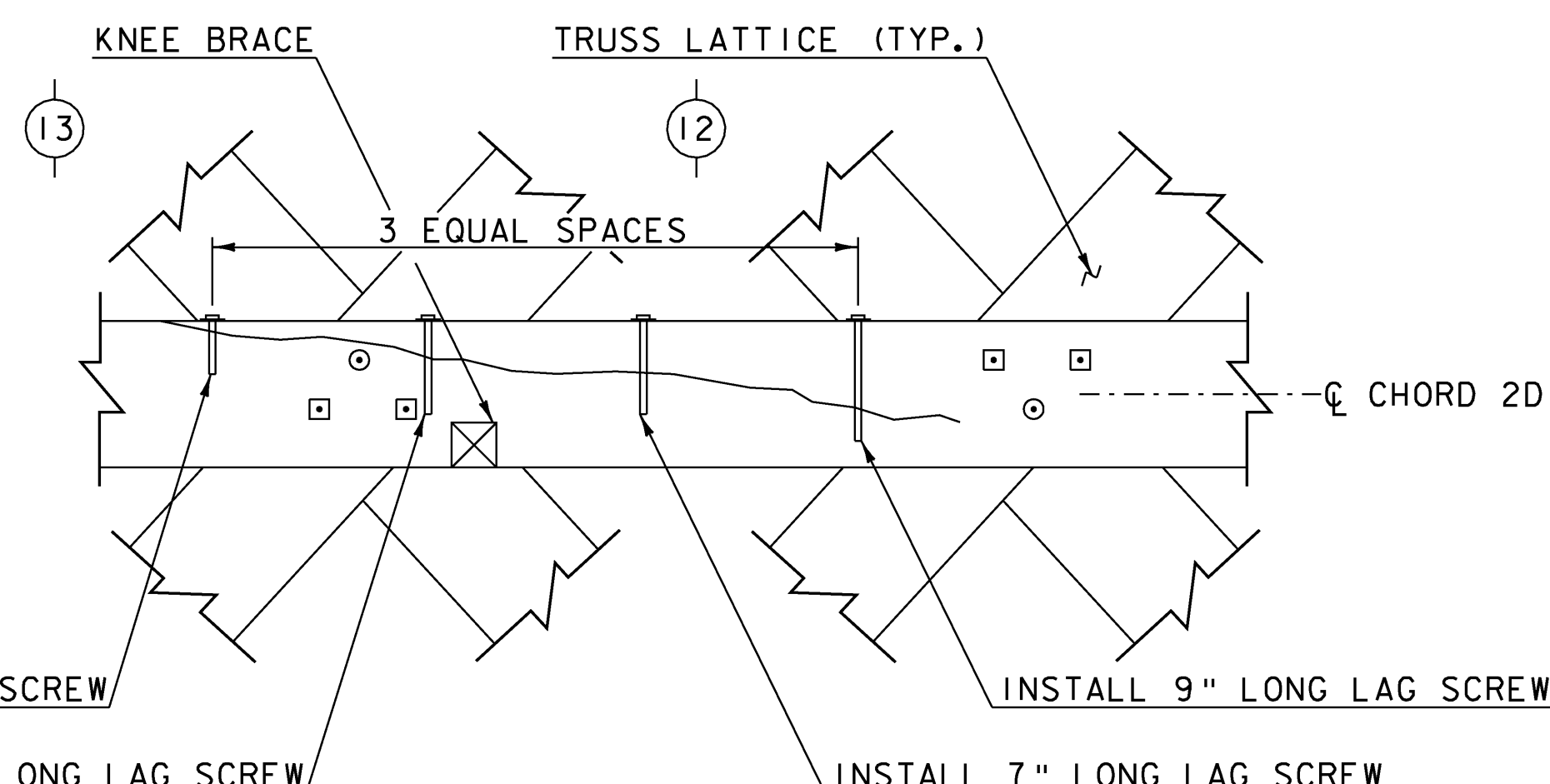


**NEW TRUNNEL DETAIL**  
NOT TO SCALE

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



SCALE: 1" = 1'-0"



**NORTH TRUSS, CHORD 2D REPAIR**

SCALE: 1" = 1'-0"

NOTE: ALL LAG SCREWS SHALL BE GALV. 1/2" DIA. WITH WASHERS. INSERT AN APPROVED WOOD EPOXY IN CRACK PRIOR TO INSTALLING LAG SCREWS. CENTER LAGS ON CHORD WIDTH (SEE PLAN NOTE 4).

**PLAN NOTES:**

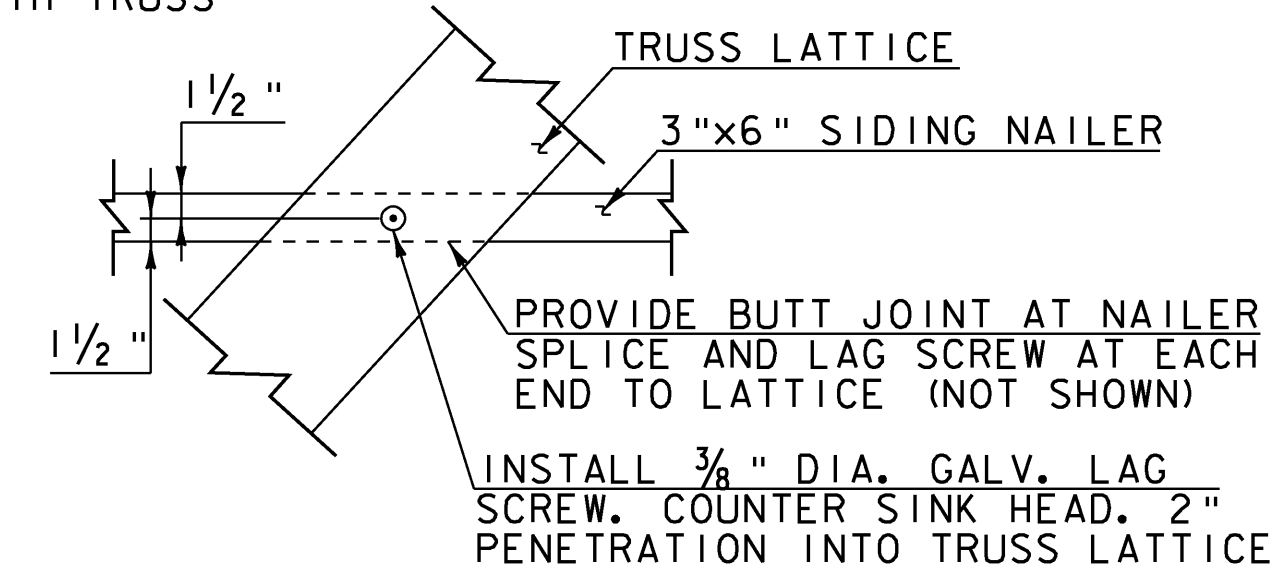
1. DIMENSIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. ALL DIMENSIONS AND MEMBER SIZES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING ALL TIMBER AND LUMBER. SEE NOTE G-5 ON SHEET 27 FOR MORE INFORMATION.
2. TRUSS NODES ARE LOCATED AT THE CENTER OF THE INTERSECTION OF LATTICE MEMBERS WITH CHORD 1 AND CHORD 4.
3. NEW TRUNNEL ORIENTATION TO MATCH EXISTING.
4. THE REPAIR OF SPLITS IN LATTICE MEMBERS AND CHORD 2D OF NORTH TRUSS, AS SHOWN BELOW, ARE PAID UNDER ITEM 900.620, SPECIAL PROVISION (WOOD EPOXY REPAIRS). SEE SHEET 39 FOR THE RECOMMENDED REPAIR SEQUENCE.

**CAMBER NOTES:**

1. ALL VALUES IN CAMBER TABLE ARE MEASURED FROM A REFERENCE LINE THAT IS A STRAIGHT LEVEL LINE CONNECTING POINTS LOCATED AT THE TOP OF CHORD 3. NEGATIVE VALUES INDICATE DOWN DIRECTIONS (SAG).
2. 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 27 FOR MORE INFORMATION.
3. THE TRUSSES ARE PARTIALLY SUPPORTED BY TWO STEEL BEAMS IN THE BRIDGE THEREFORE THE EXACT CAMBER OR SAG WITHOUT THE STEEL BEAMS IS NOT KNOWN. THE CONTRACTOR SHALL JACK THE BRIDGE TO A MAXIMUM 4" MIDSPAN CAMBER 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 PROVISION, NOTE W-9 ON SHEET 27 AND NOTE 6 ON SHEET 3 FOR ADDITIONAL WORK TO BE PAID UNDER THIS PAY ITEM.
4. 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).

EXISTING AND AS-BUILT TRUSS CAMBER (INCHES) * +									
NODES	(1A)	(1B)	(2A)	(2B)	NODES	(1A)	(1B)	(2A)	(2B)
1	-----	-----			12	0.87	1.73		
2	-----	-----			13	1.21	1.84		
3	-----	-----			14	0.82	1.71		
4	0.00	0.00			15	0.56	1.11		
5	-0.03	0.59			16	0.41	0.86		
6	0.07	0.94			17	0.39	0.37		
7	0.03	1.29			18	0.00	0.00		
8	0.14	1.53			19	-----	-----		
9	0.23	1.76			20	-----	-----		
10	0.45	1.87			21	-----	-----		
11	0.66	1.74							

- (1A) EXISTING CAMBER SOUTH TRUSS WITH STEEL SUPPORT BEAMS IN PLACE
  - (1B) EXISTING CAMBER NORTH TRUSS WITH STEEL SUPPORT BEAMS IN PLACE
  - (2A) AS-BUILT CAMBER SOUTH TRUSS
  - (2B) AS-BUILT CAMBER NORTH TRUSS
- \* NEGATIVE VALUES INDICATE SAG  
+ NODES WITHOUT EXISTING CAMBER VALUE WERE NOT ACCESSIBLE AT TIME OF SURVEY



**REPLACED NEW SIDING NAILER  
TO LATTICE CONNECTION**

SCALE: 1" = 1'-0"

PROJECT NAME: MONTGOMERY  
PROJECT NUMBER: BHO 1448(23)

MODEL  
det2  
HTA PROJECT NO.  
904214

FILE NAME: Z96J302det14.dgn  
PROJECT LEADER: J.H.WEAVER  
DESIGNED BY: J.BICJA  
**BRIDGE DETAILS (2 OF 2)**

PLOT DATE: 8/1/2008  
DRAWN BY: J.B.McQUAID  
CHECKED BY: S.T.JAMES  
SHEET 42 OF 54

Hoyle, Tanner & Associates, Inc.