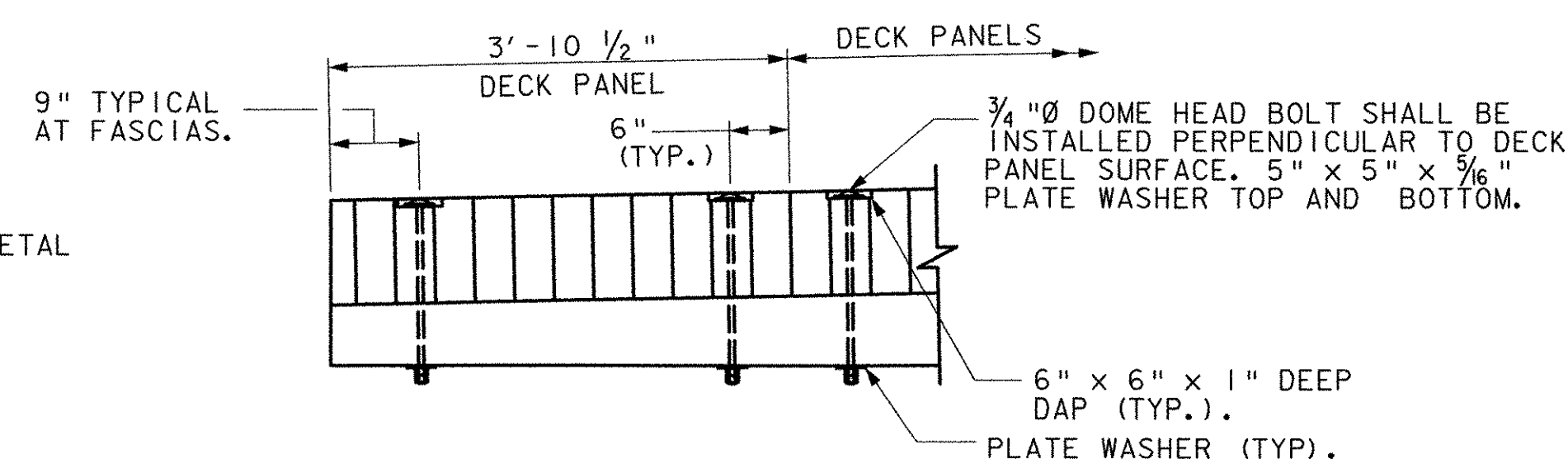


DECK PANEL LAYOUT
SCALE: 3/16" = 1'

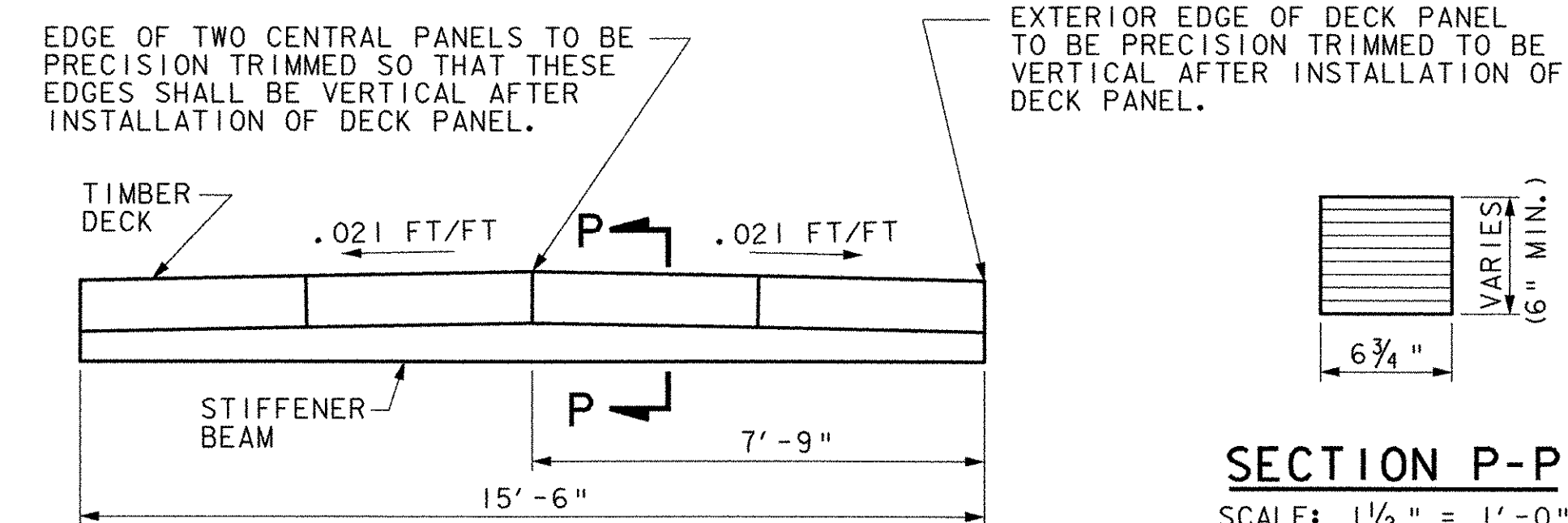
- ① 4 EA L=17'-6"
- ② 8 EA L=33'-5 1/8"
- ③ 4 EA L=50'-1 3/4"
- ④ 4 EA L=17'-10" (PANEL LENGTHS INCLUDE -1/8" FOR TOLERANCE)

TIMBER DECK NOTES:

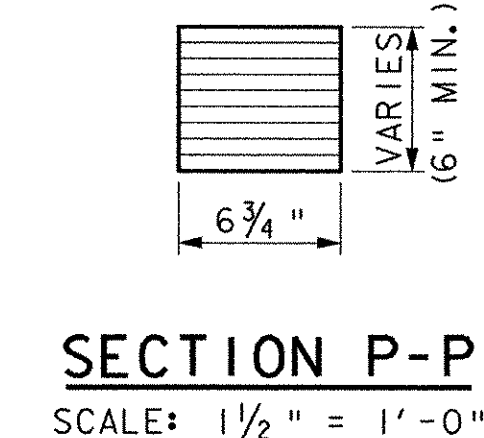
1. ITEM 522.40 "STRUCTURAL GLUED LAMINATED TIMBER" SHALL INCLUDE DECK PANELS, STIFFENER BEAMS, AND ALL HARDWARE REQUIRED TO ATTACH THESE ELEMENTS AND HARDWARE TO ATTACH THE DECK TO THE FLOORBEAMS. THIS ITEM SHALL ALSO INCLUDE ALL DRILLED HOLES, NOTCHES, AND DAPS REQUIRED TO INSTALL THE INTERMEDIATE RAIL POSTS, ANCHORAGE PLATES, DECK ANCHORS, CURBS AND JOINT PLATES ETC. ALL METAL PARTS SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111M/M 111 OR AASHTO M 232M/M 232.
2. PROVIDE 1/2" x 1/2" CHAMFER OR 1/2" DIAMETER RADIUS AT TOP EDGE UNIT 1 AT END OF DECK UNITS TO FACILITATE INSTALLATION OF DECK JOINT.
3. ITEM 522.25 "STRUCTURAL LUMBER AND TIMBER - TREATED" SHALL INCLUDE THE CROSSFALL SPACER, CURBS, CURB RISERS AND ALL HARDWARE REQUIRED TO ATTACH THESE ELEMENTS AS SHOWN ON THE PLANS.
4. ITEM 522.35 "NON-STRUCTURAL LUMBER - TREATED" SHALL INCLUDE THE TIMBER OVERLAY AND ALL HARDWARE REQUIRED TO ATTACH THE OVERLAY TO THE DECK.
5. THE DECK PANELS AND STIFFENER BEAMS SHALL BE GLUED LAMINATED. ALL OTHER TIMBER SHALL BE ROUGH SAWN DIMENSIONAL LUMBER OR TIMBER EXCEPT AS NOTED.
6. ALL GLUED LAMINATED PANELS TO BE 10 1/2" THICK X 46 1/2" WIDE AND SHALL BE SOUTHERN PINE MEETING THE REQUIREMENTS OF THE AMERICAN NATIONAL STANDARD ANSI/AITC A190.1.
MIN. Fb' = Fby * Cf * Cm = 1450 psi MIN. Fc = Fc * Cm * Cb = 400 psi
7. THE ROUGH SAWN DIMENSIONAL LUMBER SHALL BE NO. 1 SOUTHERN PINE EXCEPT THE HARDWOOD CROSSFALL SPACER. THE HARDWOOD CROSS FALL SPACER SHALL BE ANY NORTHERN HARDWOOD SPECIES MEETING THE MINIMUM TABULATED DESIGN VALUES LISTED FOR NORTHERN RED OAK NO. 2 POST AND TIMBERS IN TABLE 13.5.1A OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.
8. DECK PANELS, STIFFENER BEAMS, HARDWOOD CROSSFALL SPACERS, CURBS AND CURB RISERS SHALL BE FORMED AND DRILLED WITH ALL HOLES, NOTCHES AND DAPS PREFORMED PRIOR TO THE APPLICATION OF PRESERVATIVE TREATMENT. NO ASSEMBLY SHALL BE ALLOWED PRIOR TO THE PRESERVATIVE TREATMENT. ANY CUTS, DRILL HOLES, NOTCHES, ETC. MADE IN THE FIELD SHALL BE RETREATED WITH COPPER NAPHTHENATE SOLUTION AS APPROVED BY THE RESIDENT ENGINEER.
9. THE AREA WHERE THE DECK AND BEARINGS INTERFACE SHALL HAVE AN ADHESIVE, APPROVED BY THE ENGINEER, APPLIED IMMEDIATELY PRIOR TO THE PLACEMENT OF THE PANELS.
10. THE TIMBER OVERLAY IS ROUGH SAWN 2" NOMINAL THICKNESS, ACTUAL THICKNESS IS 1 5/8".
11. THE OVERLAY ATTACHMENT FASTENERS SHALL BE PLACED IN FIELD DRILLED HOLES THAT ARE A MAXIMUM OF 75% OF THE SPIKE DIAMETER. THE SPIKES SHALL BE DRIVEN AT AN ANGLE OF 10° - 20°. ALTERNATE DIRECTION TO OPPOSITE PLANK ENDS ON SUCCESSIVE SPIKES. THE HOLES SHALL BE TREATED WITH COPPER NAPHTHENATE SOLUTION PRESERVATIVE PRIOR TO PLACING THE SPIKE.
12. PLANKS FOR THE OVERLAY SHALL BE CONTINUOUS OVER THE PANEL END JOINTS. MINIMUM OF 2' ATTACHED TO EACH DECK PANEL.
13. THE SEALANT USED AT THE DECK PANEL END JOINTS SHALL BE CONSIDERED SUBSIDIARY TO ITEM 522.40 "STRUCTURAL GLUED LAMINATED TIMBER".
14. PRESERVATIVE TREATMENTS, TYPE II FOR GLULAM AND TYPE IV FOR SAWN LUMBER, SHALL BE IN ACCORDANCE WITH SECTION 709 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES FOR THE USE OF PRESERVATIVE TREATED WOOD IN AQUATIC ENVIRONMENTS.



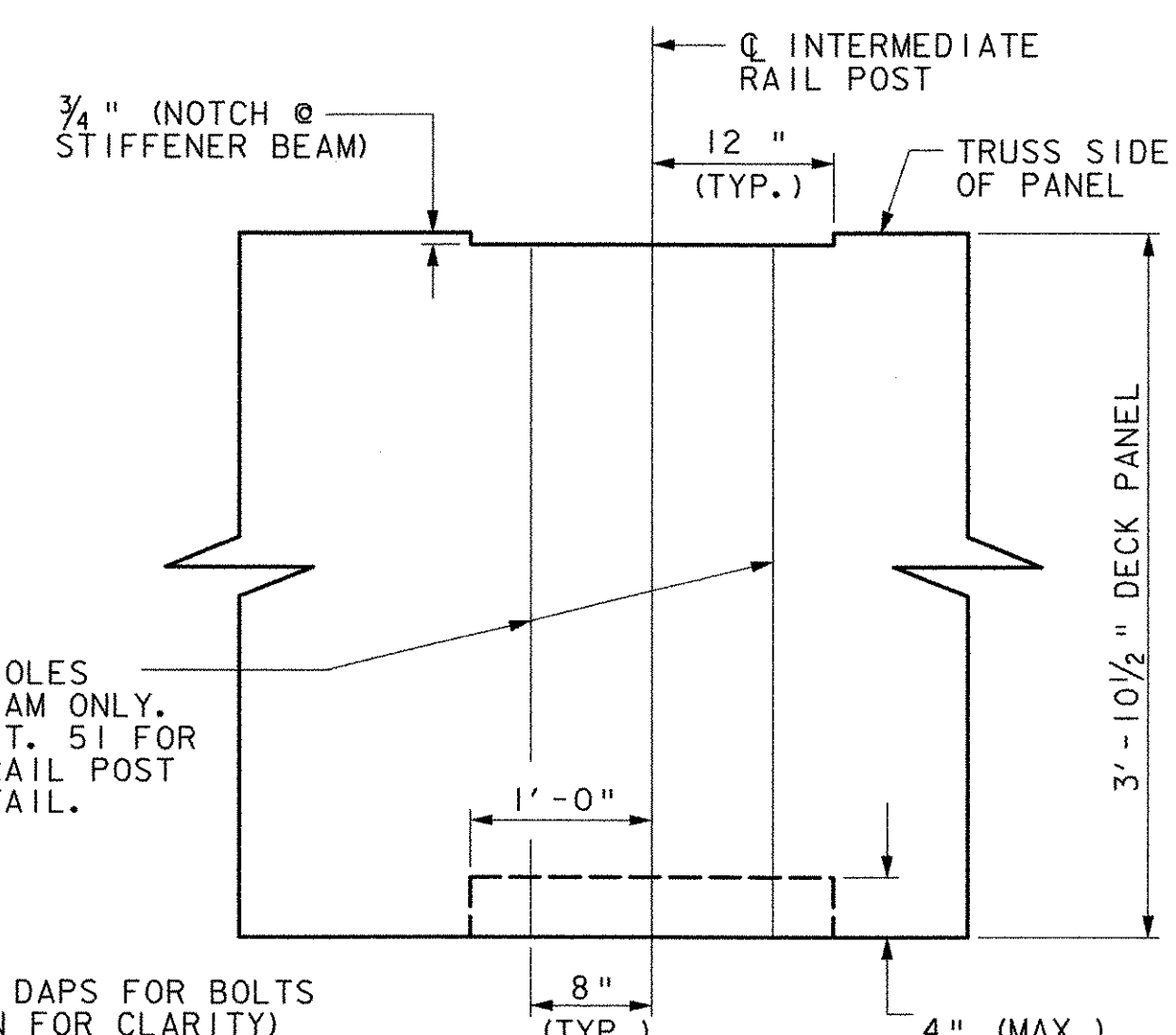
PANEL ATTACHMENT TO STIFFENER BEAM
SCALE: 3/4" = 1'-0"



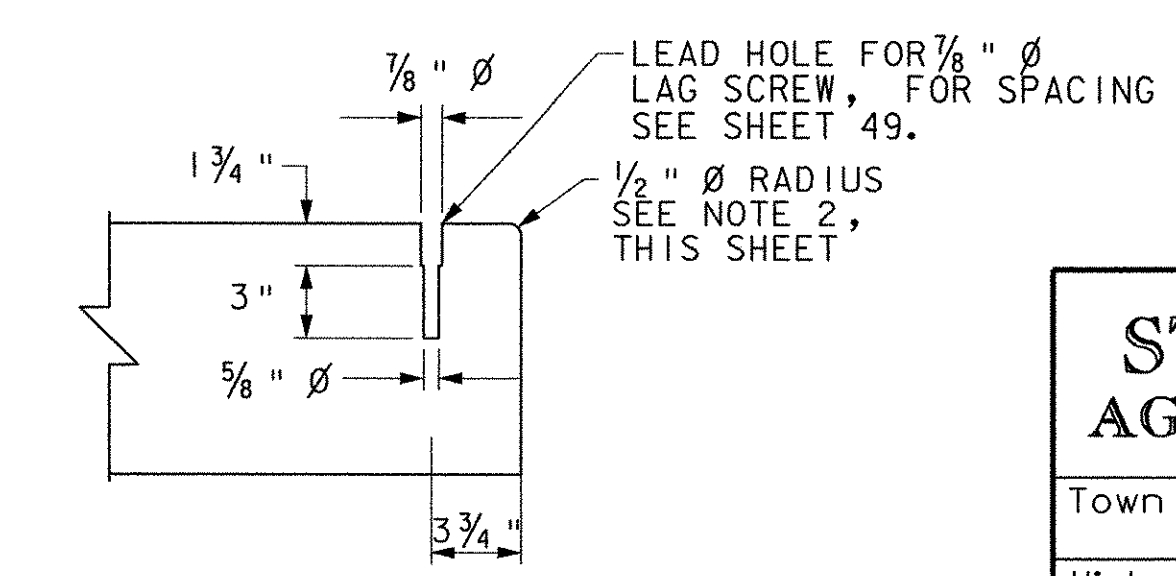
TRANSVERSE STIFFENER BEAM
SCALE: 3/8" = 1'-0"



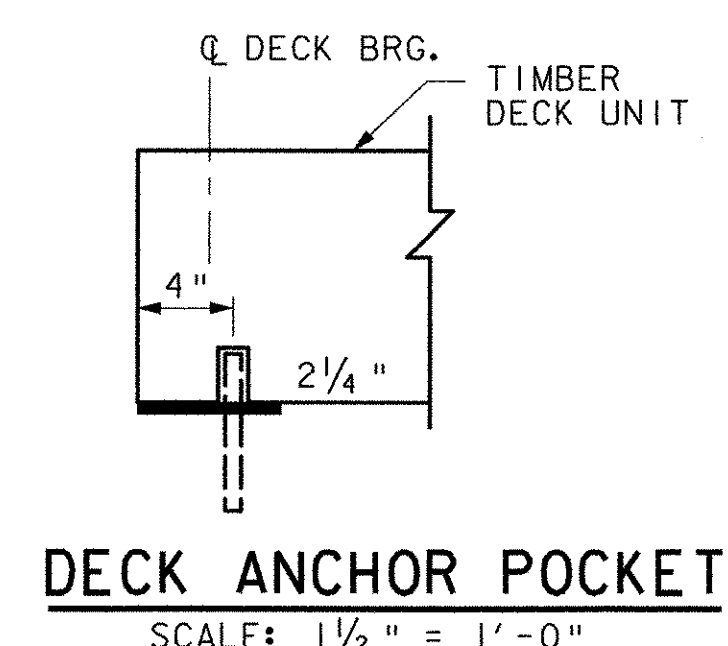
SECTION P-P
SCALE: 1/2" = 1'-0"



PARTIAL PLAN OF DECK EDGE PANEL
SCALE: 1" = 1'-0"



END OF DECK UNIT 1 AT ABUTMENT 2
SCALE: 1 1/2" = 1'-0"



DECK ANCHOR POCKET
SCALE: 1 1/2" = 1'-0"

STATE OF VERMONT AGENCY OF TRANSPORTATION		
Town Of MAIDSTONE, VT	STRATFORD, NH	Bridge No. 1
Highway No. MAIDSTONE STATE HWY		Log Sta. Surv. Sta.
DECK PLAN - SPAN 2		
Designed By J. MESSIER	Drawn By C. DONOHUE	
Checked By D.B. SULLIVAN	Date 08/01/03	Bridge Design Supervisor
PROJECT MAIDSTONE-STRATFORD	PROJECT NO. BHO 1447 (24)	
I.G.C. Info.		
Bridge Sheet No.	Sheet 41 of 65	



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