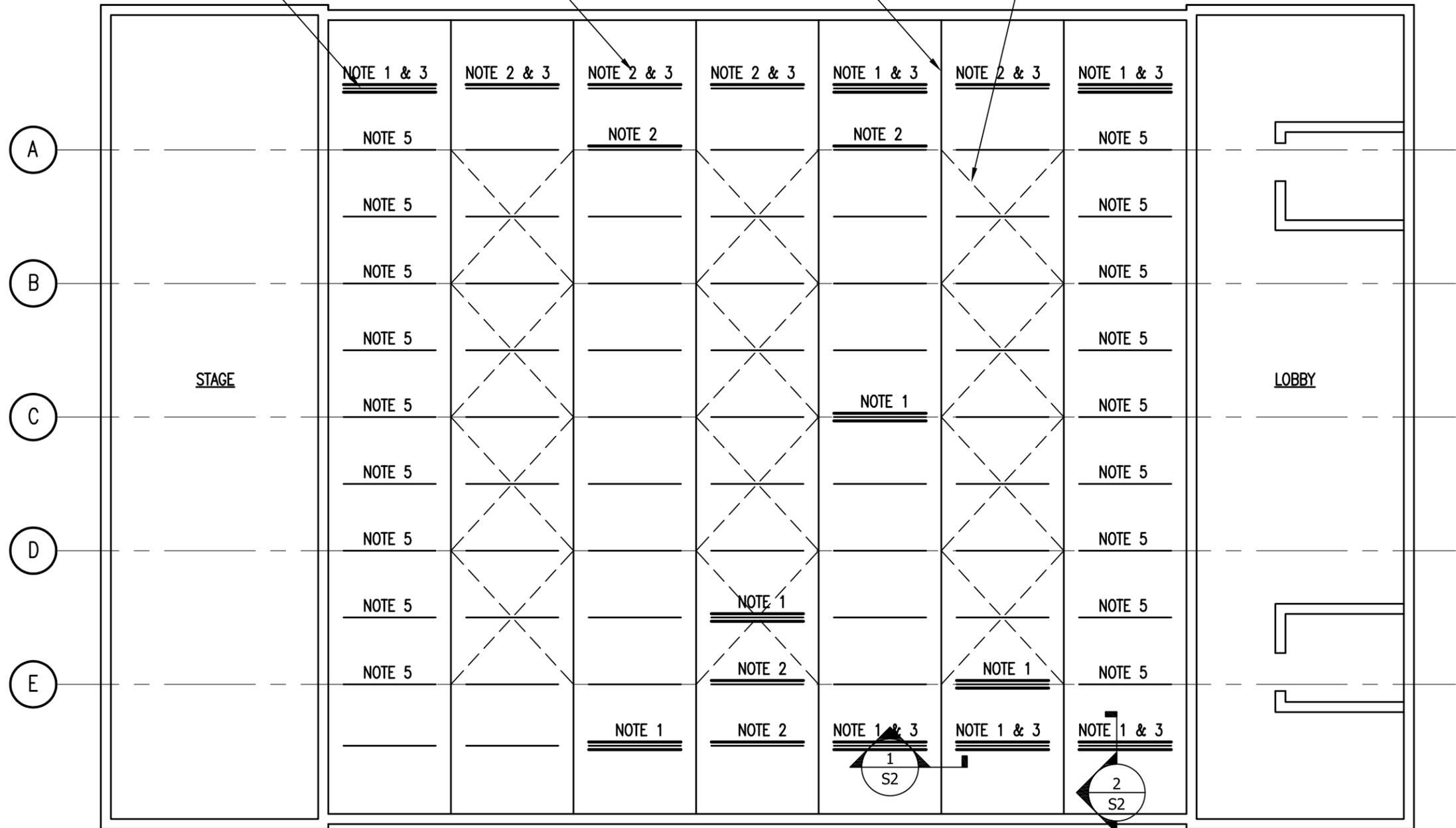


EXISTING WOOD ROOF BEAM, TYP

REPAIR CALLOUT, SEE LEGEND

EXISTING STEEL TRUSS, TYP

EXISTING TRUSS BRACING, TYP



ROOF BEAM REINFORCING PLAN

1



NOT TO SCALE

PLAN NOTES:

- 1) SISTER BOTH SIDES OF BEAM PER DETAIL 1/S2.
- 2) SISTER ONLY NORTH SIDE OF BEAM PER DETAIL 1/S2.
- 3) STRIP PAINT AND SOFT OR ROTTED WOOD. PRIME AND PAINT PER OWNER STANDARD.
- 4) REMOVAL AND REATTACHMENT OF PIPE SPRINKLER PIPE HANGERS MAY BE NECESSARY TO PERFORM REINFORCING. CONTRACTOR TO SUBMIT HANGER TO BEAM CONNECTION DETAIL AND DEVICE IF DIFFERENT THEN EXISTING. CONTRACTOR TO INCLUDE ESTIMATE OF NUMBER OF CONNECTIONS TO BE REWORKED IN BID. WE HAVE NOT TABULATED THIS QUANTITY HERE.
- 5) NOT ACCESSIBLE FOR ASSESSMENT.



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ROOF BEAM EVALUATION AND REINFORCING

MEMORIAL AUDITORIUM
BURLINGTON PARKS & RECREATION DEPT

Checked By: PAH	Scale: AS NOTED
Drawn By: MRE	Project No.: 15824
Date: 12/23/2015	Drawing No.: S1

BASIS OF DESIGN

1. 2012 VERMONT FIRE AND SAFETY CODE
2. DEAD LOAD: 10psf (SUPPORTED BY ROOF BEAMS)
3. SNOW LOAD: Pg: 40psf, Ce: 1, I: 1, Ct: 1, Pf: 40psf

NOTES

GENERAL NOTES

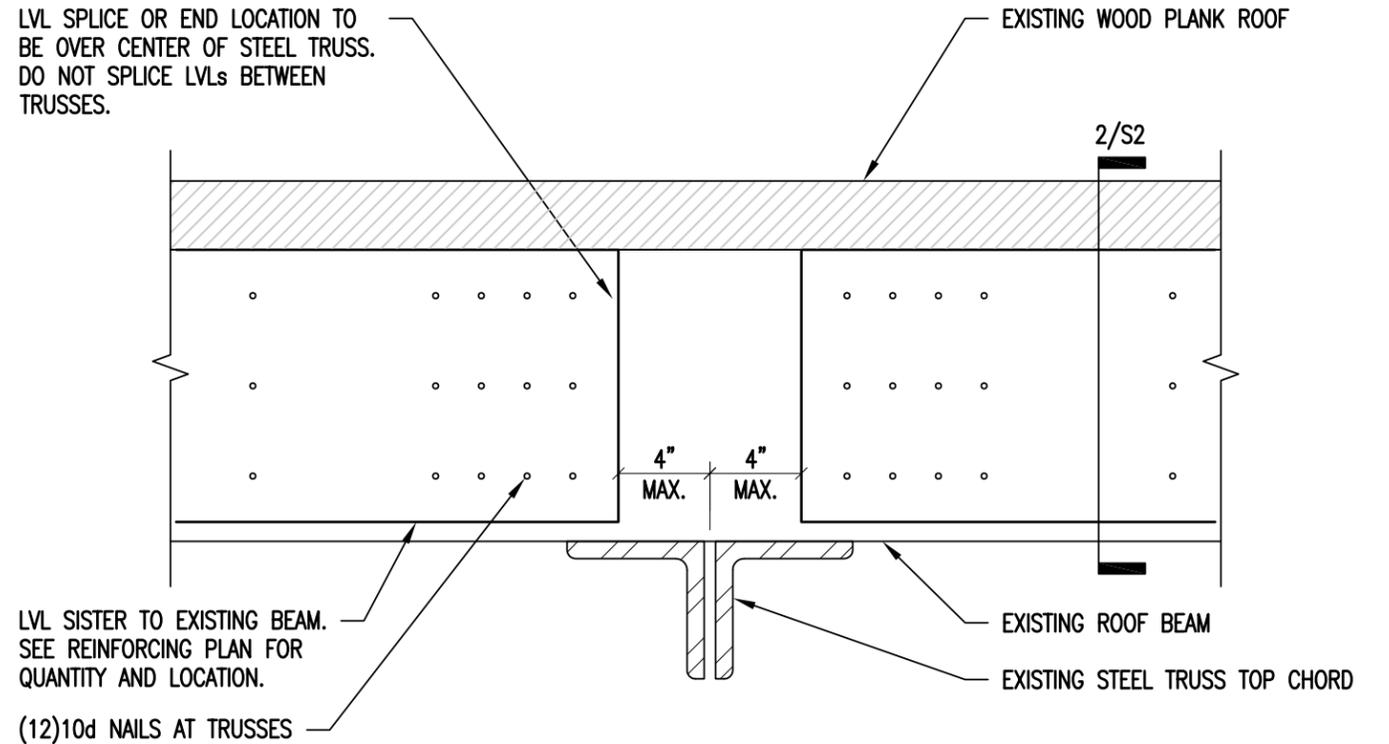
1. DIMENSIONS, ELEVATIONS, MEMBER SIZES, AND DETAILS OF ALL EXISTING STRUCTURES HAVE BEEN EXTRACTED FROM RECORD DRAWINGS AND/OR FIELD MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO DETAILING, FABRICATION, OR CONSTRUCTION. ANY DEVIATIONS FOUND IN THE FIELD FROM WHAT IS SHOWN ON THE DRAWINGS, SHALL BE REPORTED IN WRITING TO THE ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
2. IN THE CASE OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS OR NOTES ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED TO RESOLVE THE DISCREPANCY.
3. IF DEVIATIONS OR CHANGES FROM TO THE APPROVED DESIGN AND "RELEASED FOR PRODUCTION" SHOP DRAWINGS ARE REQUIRED DUE TO INTERFERENCES, FABRICATION ERRORS, OR OTHER CAUSES, THE ENGINEER SHALL BE NOTIFIED. SUBMIT ANY PROPOSED CHANGES TO THE ENGINEER FOR REVIEW PRIOR TO MAKING CHANGES.
4. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ENGINEER.

MATERIALS

1. LAMINATED VENEER LUMBER (LVL):
LVL FRAMING SHALL BE LAMINATED DOUGLAS FIR OR SOUTHERN PINE (GP LAM BY GEORGIA PACIFIC OR MICROLAM BY TRUS-JOIST OR EQUAL) MEETING THE FOLLOWING MINIMUM ALLOWABLE STRESS CRITERIA:
FB (BENDING STRESS) = 2600 PSI
FV (HORIZ. SHEAR STRESS) = 285 PSI
E (MODULUS OF ELASTICITY) = 1,900,000 PSI
FC (COMPRESSION PERPENDICULAR TO GRAIN) = 750 PSI

FINISH

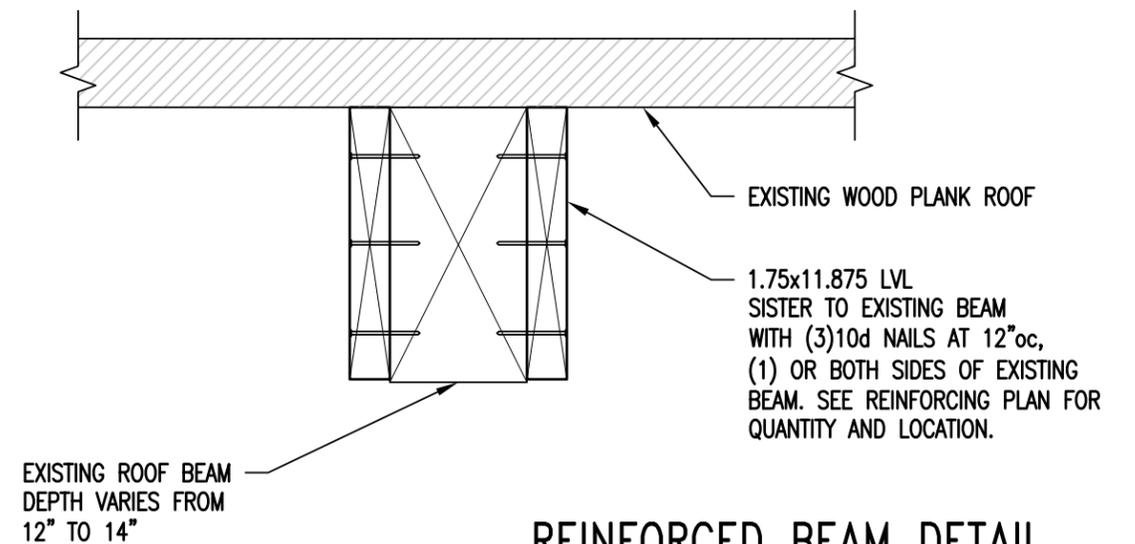
1. COORDINATE PAINTING REQUIREMENTS WITH OWNER BASED ON EXISTING STANDARDS.



REINFORCED BEAM DETAIL AT STEEL TRUSS

1 1/2"=1'-0"

1



REINFORCED BEAM DETAIL

1 1/2"=1'-0"

2

<p>ENGINEERING VENTURES PC 208 Flynn Avenue, Suite 2A Burlington, VT 05401 tel. 802.863.6225 • fax 802.863.6306 85 Mechanic Street, Suite 350A, Lebanon, NH 03766 tel. 603.442.9333 • fax 603.442.9331 www.engineeringventures.com</p>	<p>ROOF BEAM EVALUATION AND REINFORCING</p> <p>MEMORIAL AUDITORIUM BURLINGTON PARKS & RECREATION DEPT</p>	Checked By:	Scale:
		PAH	AS NOTED
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		12/23/2015	S2