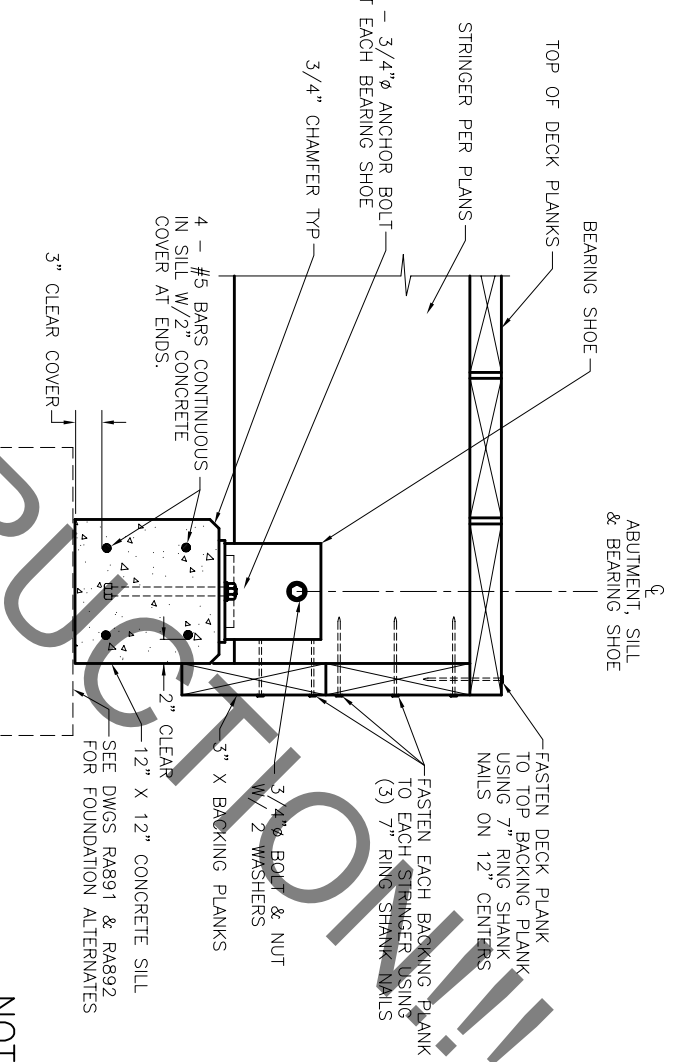
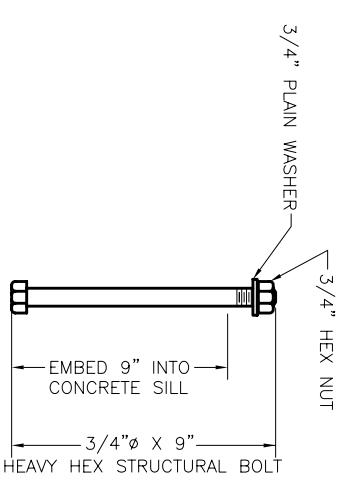


GLU-LAM/SAWN TIMBER SILL
CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"
RA850B4

*TIMBER SILL CAN BE EITHER 12" X 12" SOLID SAWN 10 3/4" X 12" GLUED-LAMINATED, OR BUILT-UP 2 X 12, 3 X 12, 4 X 12 & 6 X 12 TREATED MEMBERS



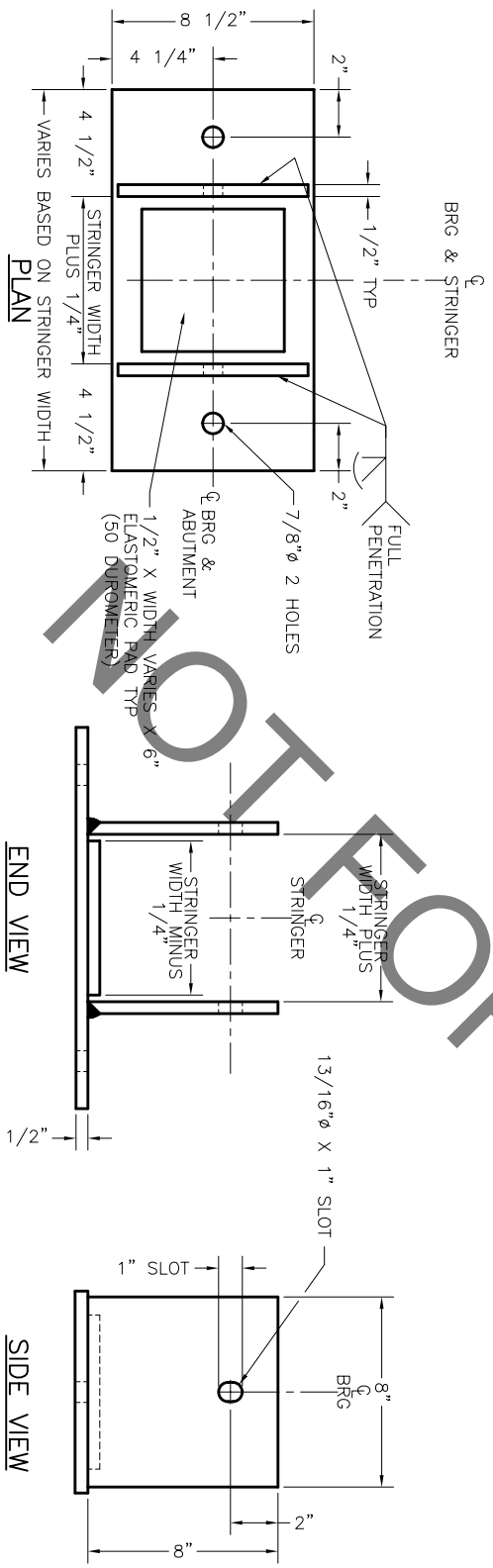
CONCRETE SILL
CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"
RA850C4



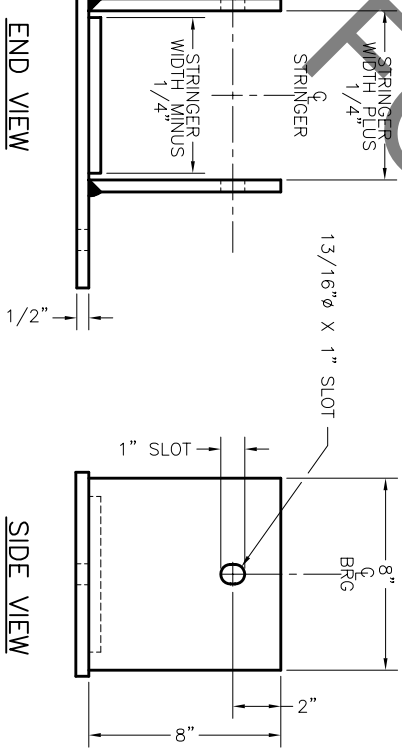
CONCRETE SILL
ANCHOR BOLT DETAIL
SCALE: 3" = 1'-0"
RA850D4

NOTES:

- SPECIFICATIONS: MATERIALS AND CONSTRUCTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE CURRENT ADOPTED USDA FOREST SERVICE SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES, AS MODIFIED FOR THIS CONTRACT.
- CONCRETE: USE STRUCTURAL CONCRETE WITH 7 SACK MINIMUM MIX APPROVED BY THE C.O.; CONCRETE SHALL RECEIVE A TROWELED SURFACE FINISH; CONCRETE SHALL HAVE 4%-6% ENTRAINED AIR; MAXIMUM SIZE AGGREGATE SHALL BE 3/4" AND CONCRETE SLUMP SHALL NOT EXCEED 4".
- REINFORCING STEEL: PROVIDE REINFORCING STEEL THAT CONFORMS TO ASTM A615 (AASHTO M31), GRADE 40 OR 60. PROVIDE 2" CLEAR CONCRETE COVER FOR ALL REBAR, UNLESS NOTED OTHERWISE ON THE PLANS.
- HARDWARE AND STRUCTURAL STEEL: SEE SUPERSTRUCTURE DRAWINGS FOR PROJECT DESIGN CRITERIA AND GENERAL NOTES.
- TREATED TIMBER & LUMBER: REFER TO THE GENERAL NOTES ON THE SUBSTRUCTURE DRAWINGS FOR TREATED TIMBER & LUMBER SPECIFICATIONS AND FIELD TREATING OF WOOD
- LAG BOLT INSTALLATION: PREBORE LAG BOLT HOLES USING TWO DIAMETERS, ONE FOR THE SHANK AND ONE FOR THE THREADS. THE LEAD HOLE FOR THE SHANK IS TO BE 1/16" LARGER THAN THE SHANK DIAMETER AND IS TO BE BORED TO THE DEPTH OF PENETRATION OF THE SHANK. THE LEAD HOLE FOR THE THREADED PORTION IS TO BE 70% OF THE BOLT DIAMETER AS SHOWN ON THE PLANS AND IS TO BE BORED AT LEAST TO THE LENGTH OF THE THREADS. DO NOT DRIVE LAG BOLTS WITH A HAMMER.



BEARING SHOE DETAIL
MATERIAL = 1/2" STEEL PLATE A36
SCALE: 3" = 1'-0"
RA850A4



—REDUCED—
DO NOT SCALE DRAWING

REV.	DESCRIPTION	APPROVED	DATE
Δ	REVISED TO R-6 STRUCTURES CAD STANDARDS	MOE	3/24/06

SOLID SAWN TIMBER STRINGER
TRAIL BRIDGE

Forest: R-6 FORESTS
Bridge No.:
Location:
Designed:
Drawn: LMcNEAL
Checked:
Approved: /s/ MERVIN O. ERIKSSON
REGIONAL BRIDGE ENGINEER
Date: 03/01/2004