

# BRIDGE NOTES

TIMBER & LUMBER: Solid sawn timber members shall conform to the requirements of the grading rules agency for the species. GLUED-LAMINATED STRINGERS shall be Combination Symbol 24F-V4, Species - DF/DF wet condition use and industrial appearance. Branham Lake Bridge stringers shall be 3-1/8"x15"x25'. May Creek Bridge stringers shall be 5-1/8"x18"x34'.

TREATMENT: For all members preservative treatment shall be in accordance with the current AWPA Specification. Treatment will comply with the requirements of the current edition of WWPI's "Best Management practices for the Use of Treated Wood in Aquatic Environments". All Glued-Laminated members shall be in accordance with AWPA C28. All Solid Sawn Members must be in accordance with AWPA C2.

FIELD TREATMENT: Copper Napthenate (2% solution) shall be furnished for field treating of wood. All abrasions and field cuts - approved by the C.O. - shall be carefully trimmed and given three brush coats of the field treatment solution. Field drilling of bolt and nail holes, as approved by the COR, shall be poured full of preservative prior to inserting the fasteners.

HARDWARE: All hardware shall be galvanized and shall meet the requirements of AASHTO M270, Grade 36, with nuts and bolts conforming to ASTM A307, Grade A. Use malleable iron washers against wood unless otherwise noted.

FABRICATION: Submit shop drawings for all bridge components (except timber running planks). Show all dimensions and fabrication details for all cut or bored timber. Field drilling of holes shall not be allowed unless otherwise noted on the plans.

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 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.

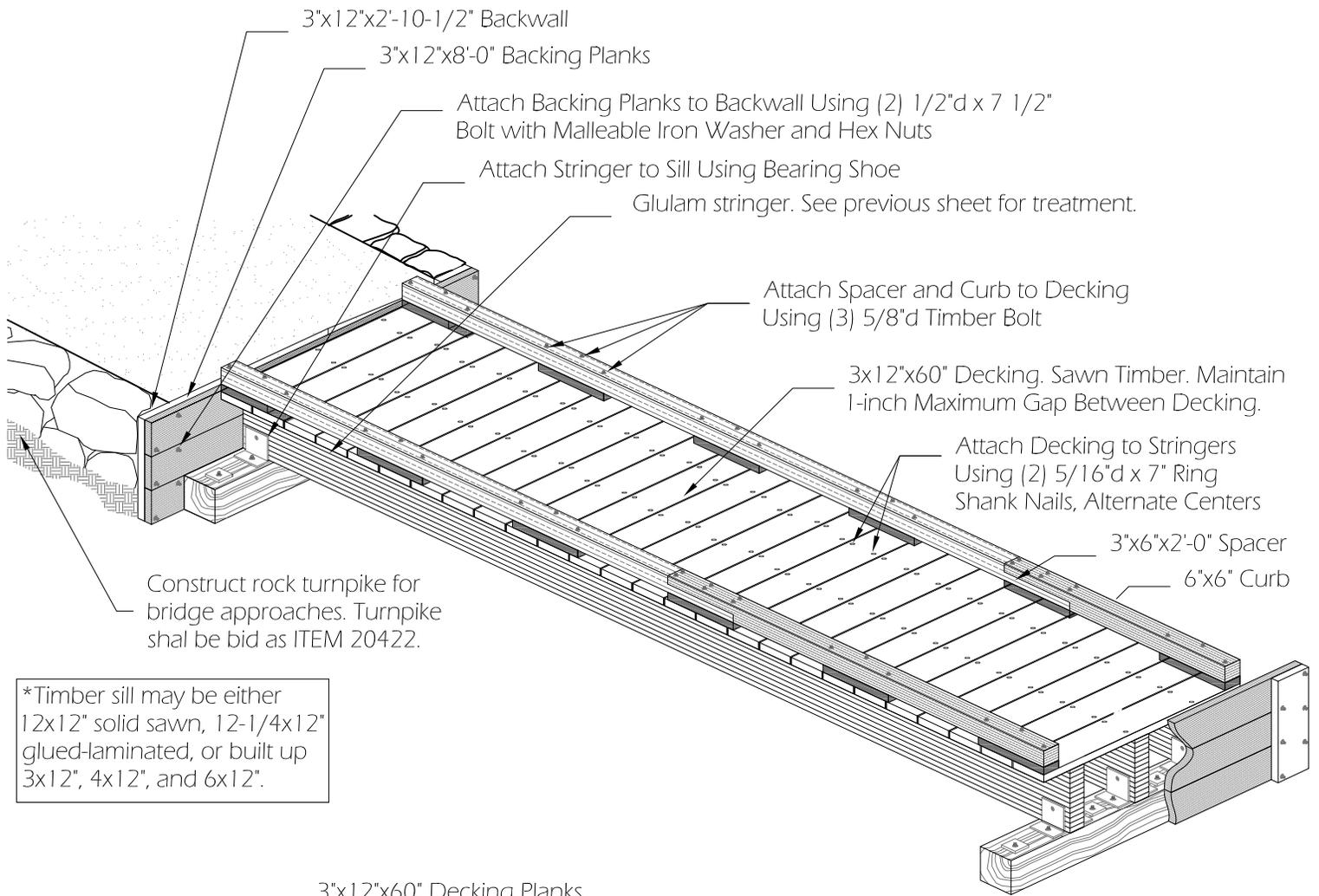
## BRIDGE AND SIGN POST LUMBER

MEMBER	SPECIES AND GRADE	TREATMENT	FINISH
Stringers	Combination Symbol 24F-V4 Species DF/DF	Pentacholophenol	Rough
Deck Planks	Coastal Region Doug Fir No. 1	Pentacholophenol	Rough
Curbs	Coastal Region Doug Fir No. 1	Pentacholophenol	Rough
Backing Planks	Coastal Region Doug Fir No. 1	Pentacholophenol	Rough
Sills	Coastal Region Doug Fir No. 1	Pentacholophenol	Rough
Spacers	Coastal Region Doug Fir No. 2	Pentacholophenol	Rough

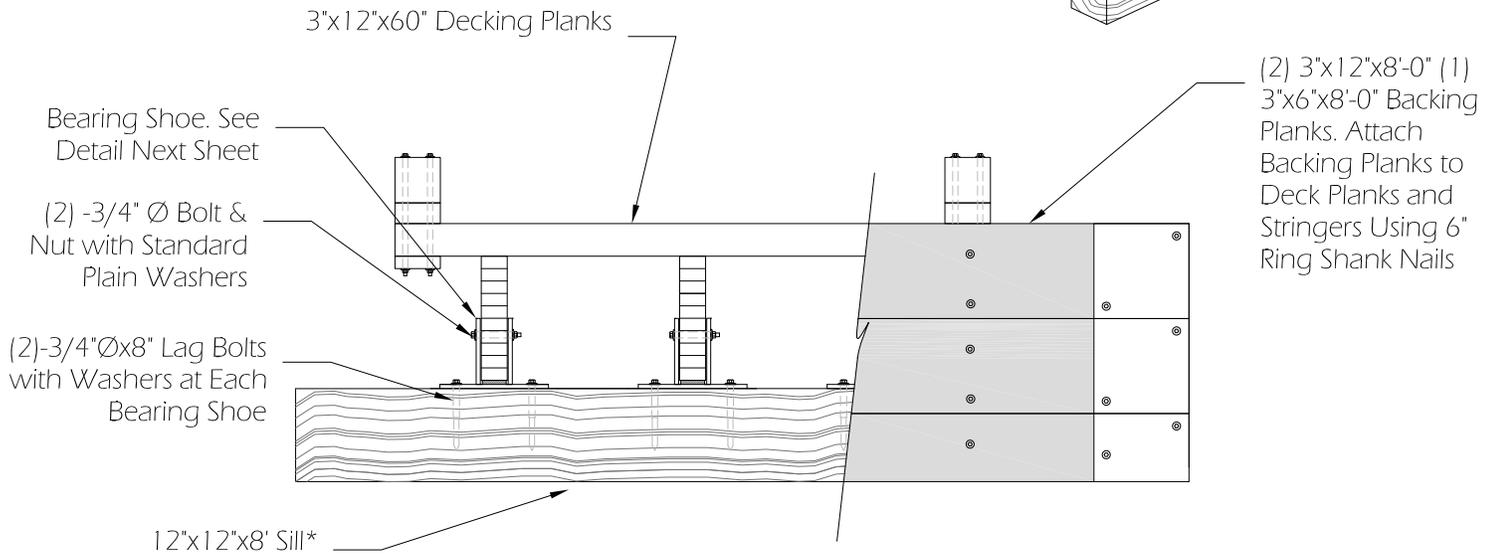


# BRANHAM TRAIL BRIDGE

## ITEM 55701



\*Timber sill may be either 12x12" solid sawn, 12-1/4x12" glued-laminated, or built up 3x12", 4x12", and 6x12".

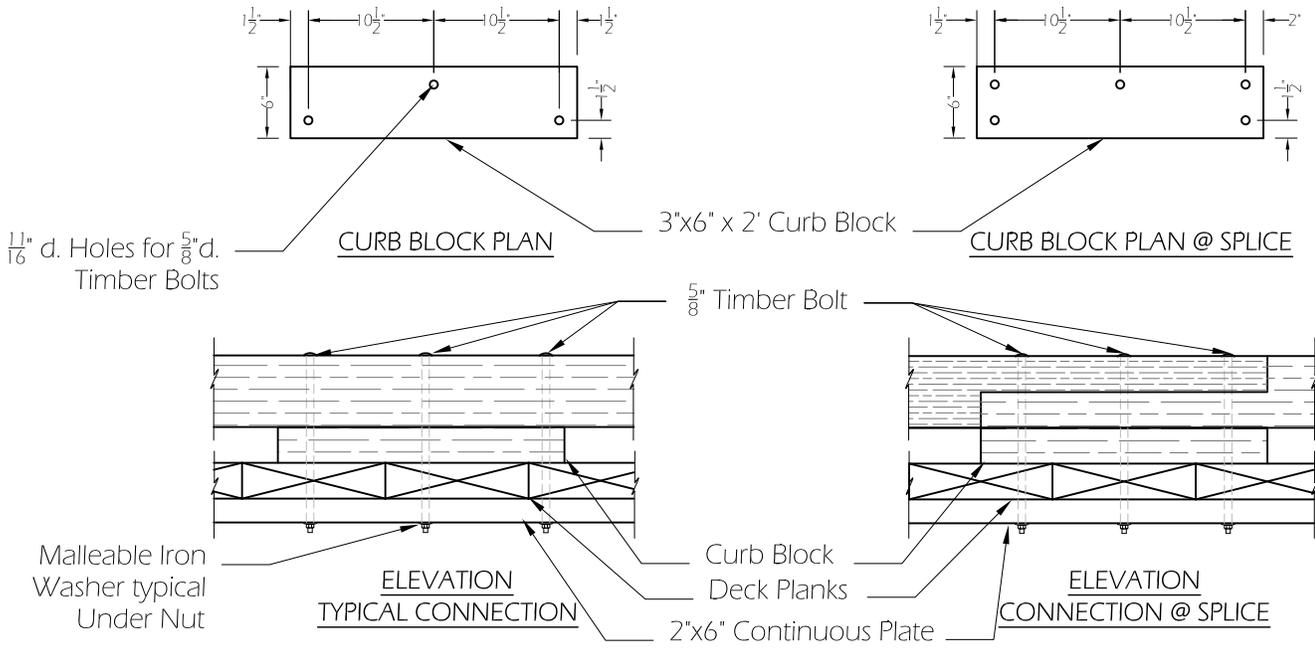


TYPICAL DECK SECTION W/CURBS

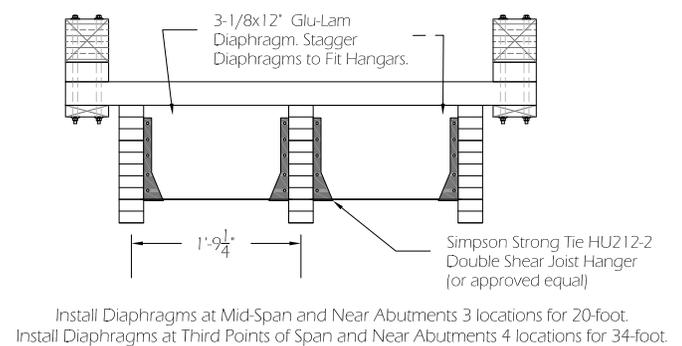
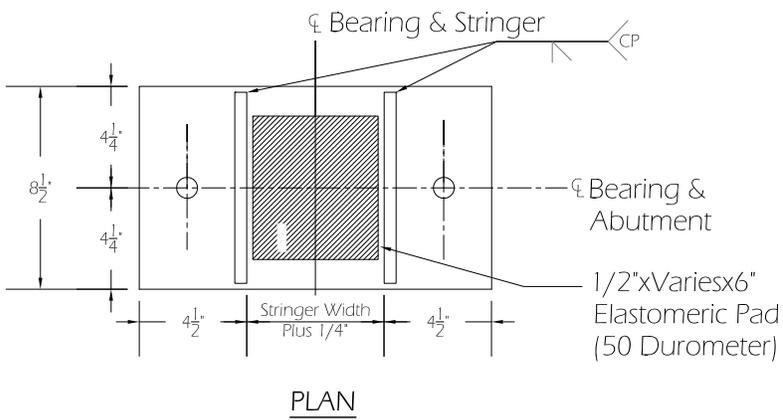


# BRANHAM LAKE TRAIL BRIDGE

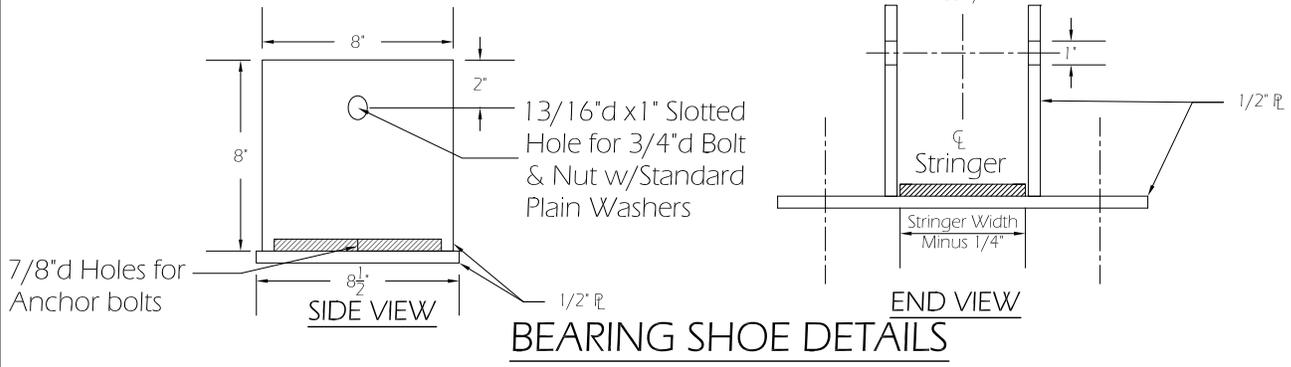
## ITEM 55701



### SAWN CURB CONNECTION DETAILS

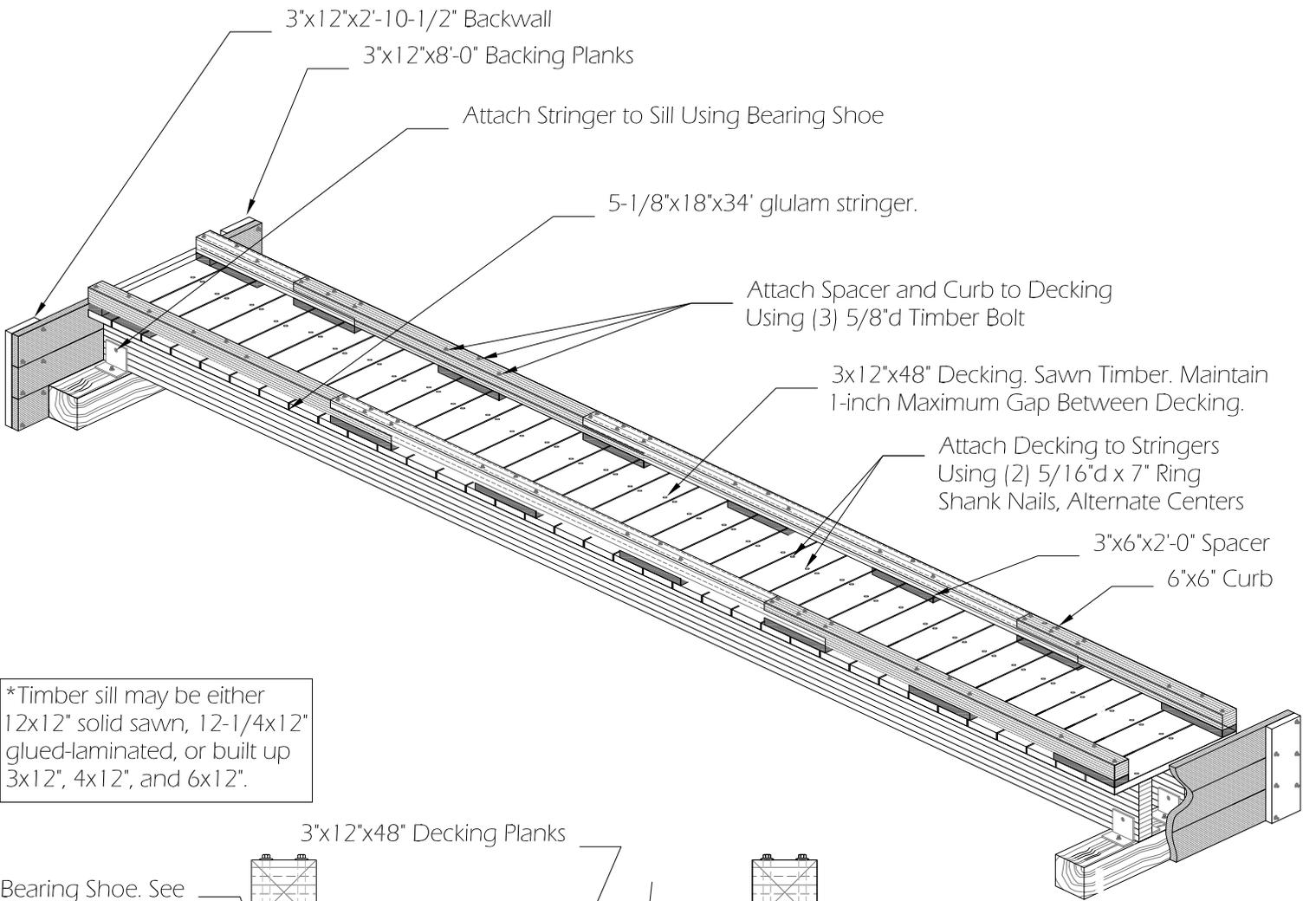


### DIAPHRAGM DETAILS

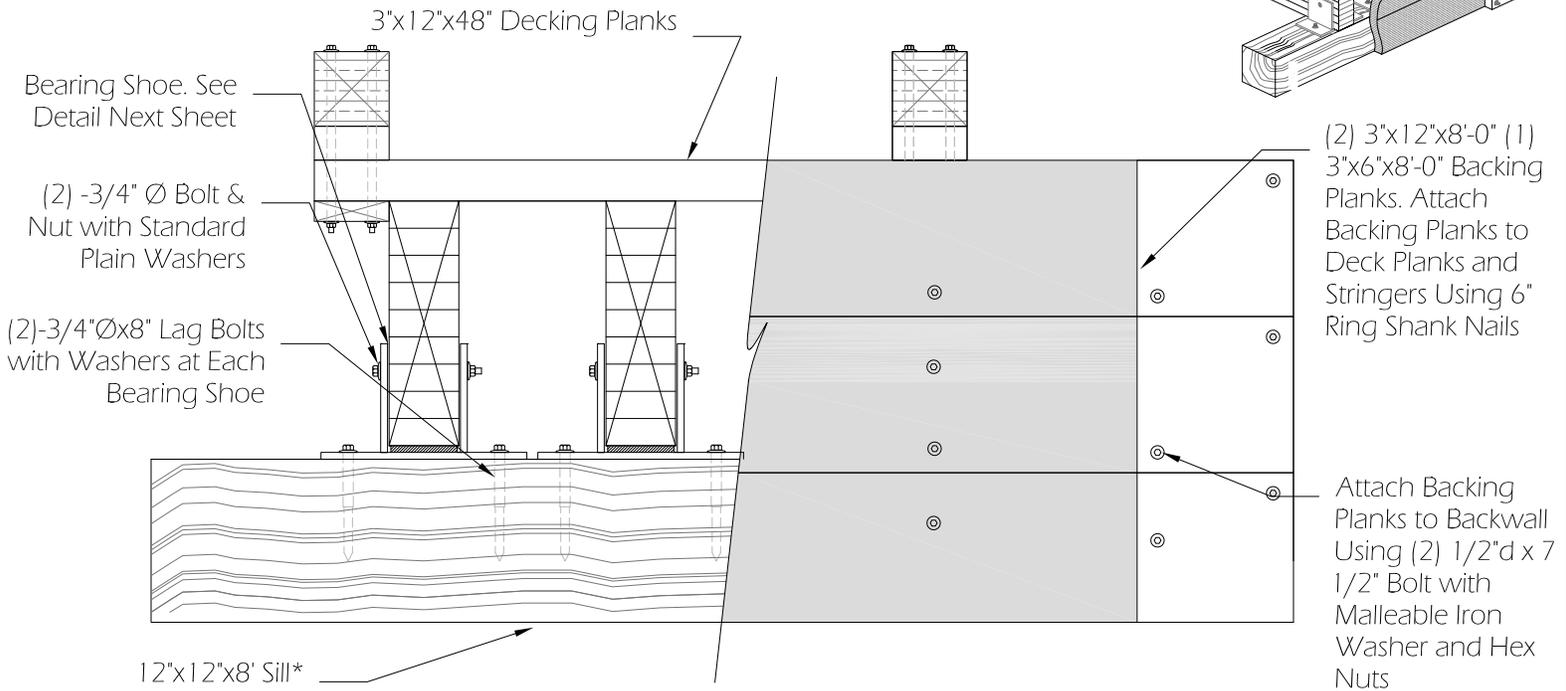


# MAY CREEK BRIDGE

## ITEM 55702



\*Timber sill may be either 12x12" solid sawn, 12-1/4x12" glued-laminated, or built up 3x12", 4x12", and 6x12".

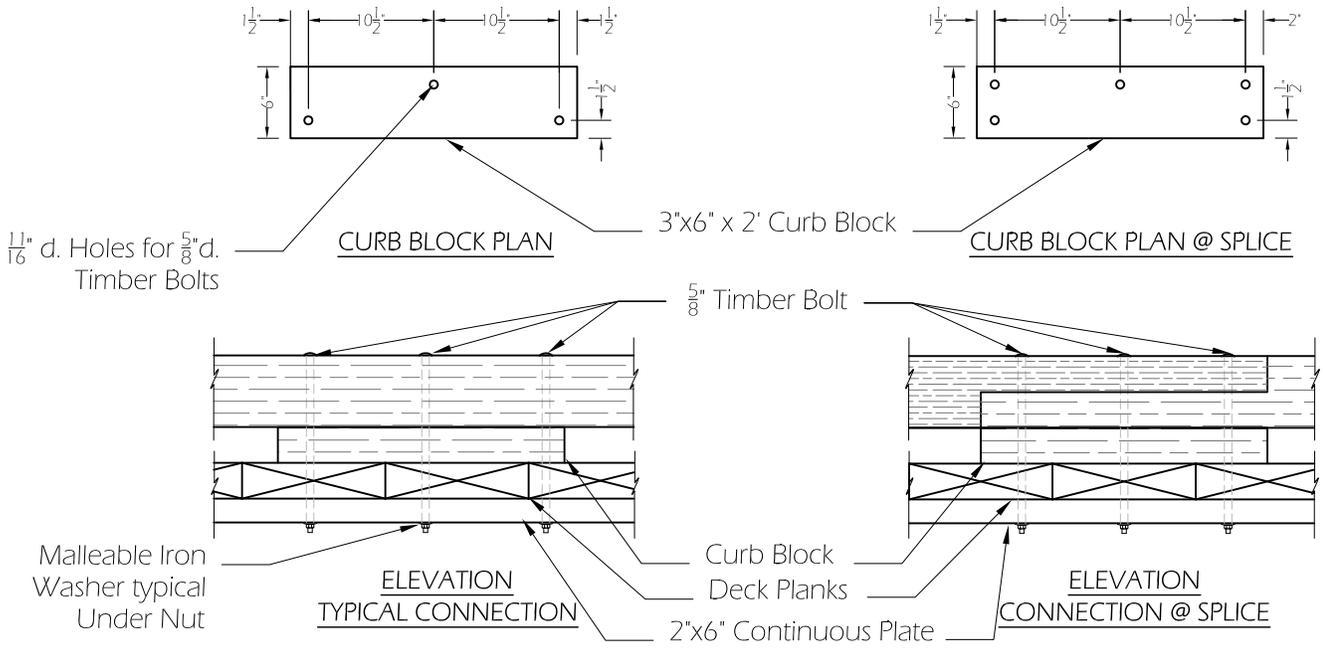


TYPICAL DECK SECTION W/CURBS

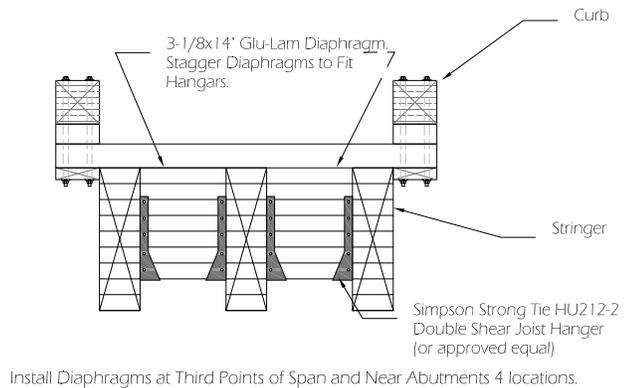
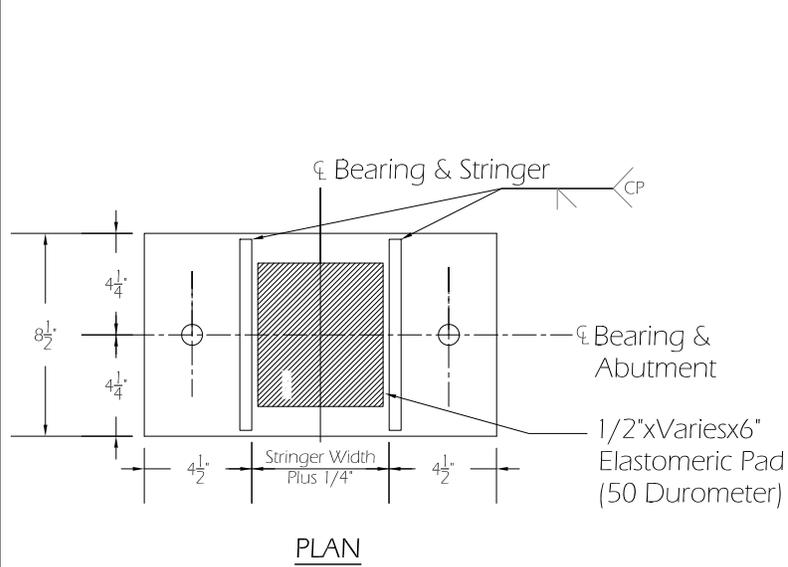


# MAY CREEK TRAIL BRIDGE

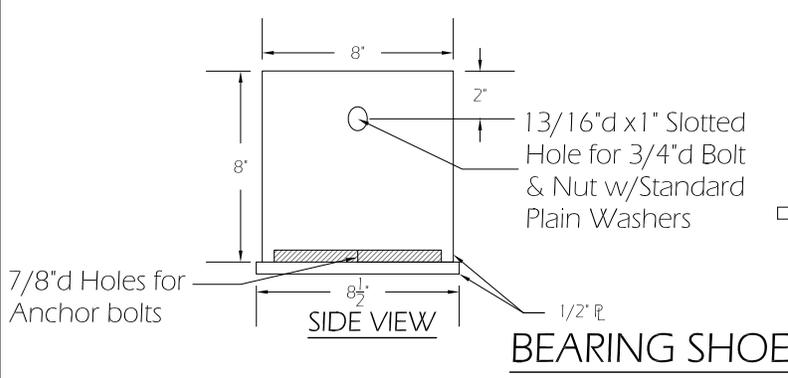
## ITEM 55702



### SAWN CURB CONNECTION DETAILS



### DIAPHRAGM DETAILS



### BEARING SHOE DETAILS