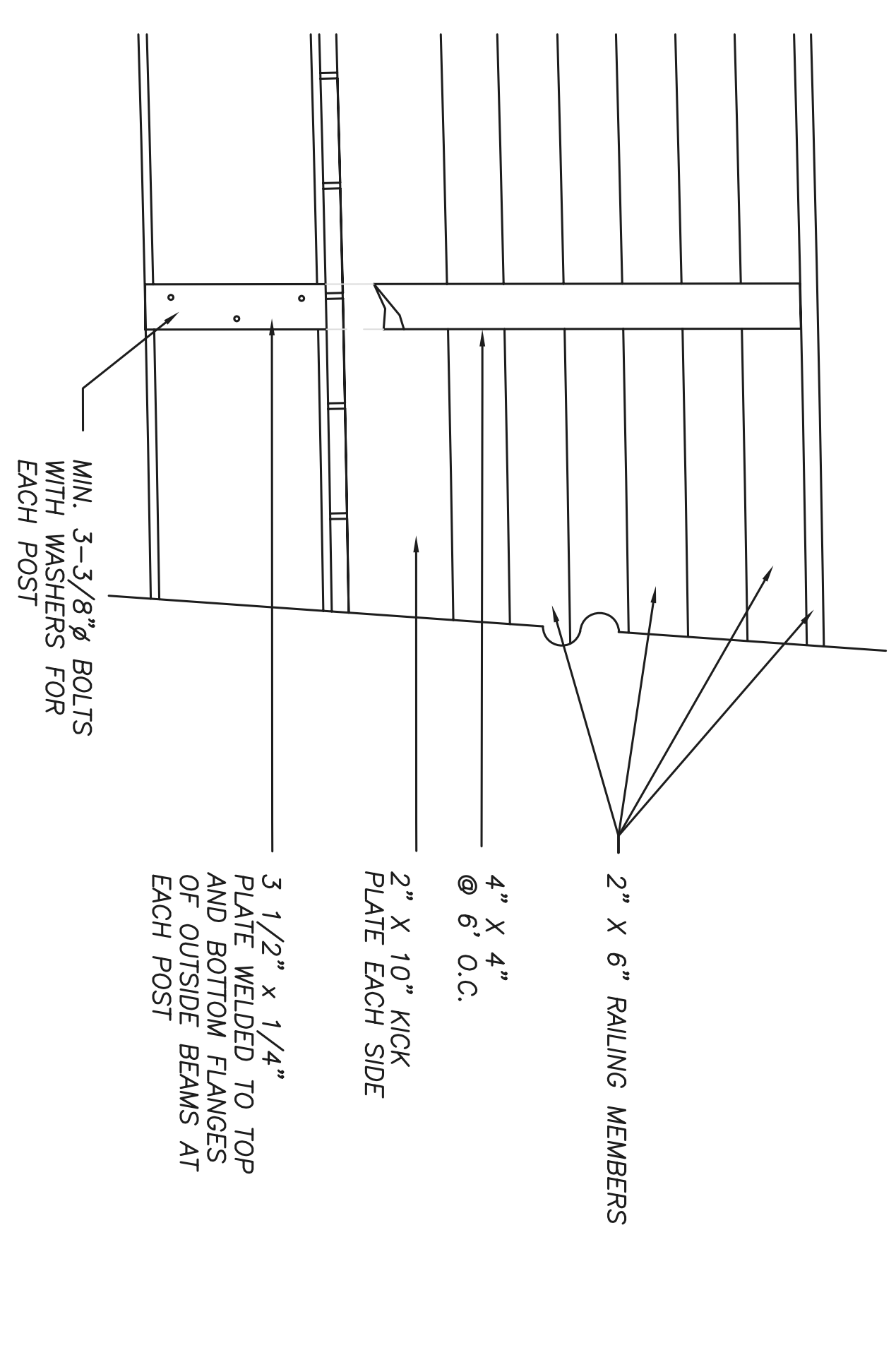
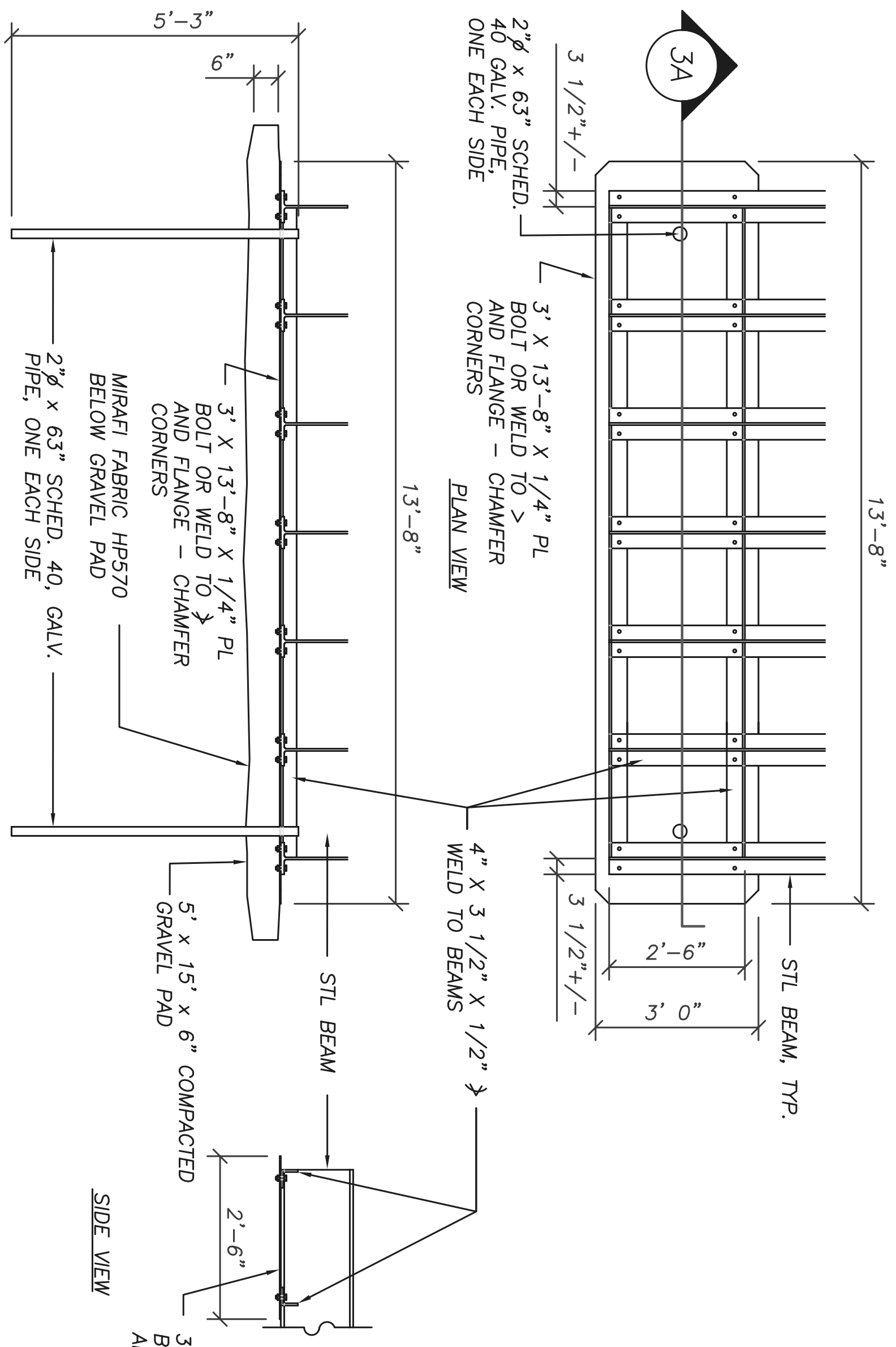


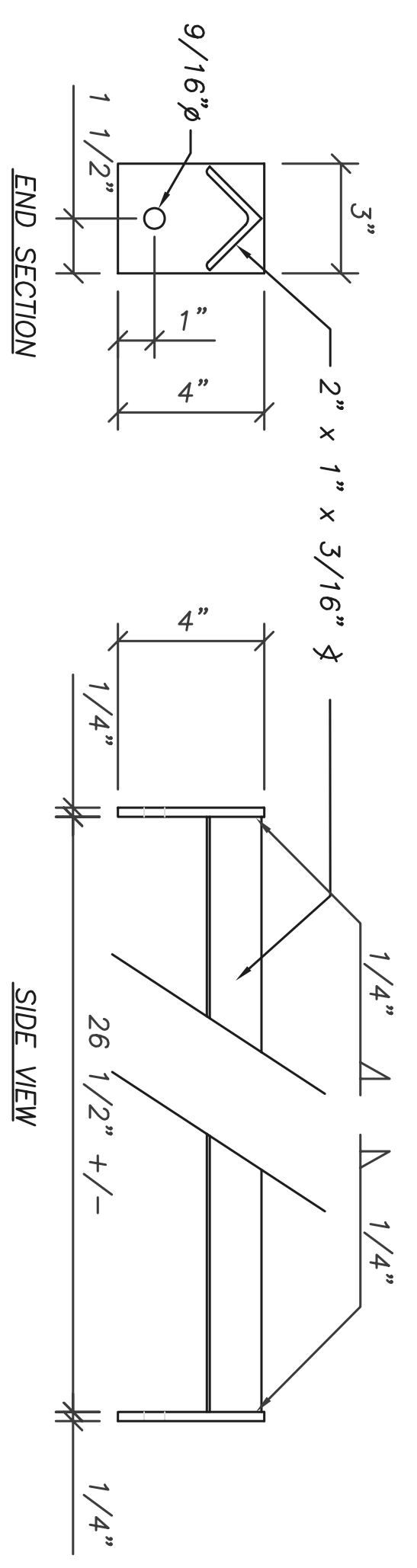
CONNECTION DETAILS 1
SCALE: 1" = 1'-0"



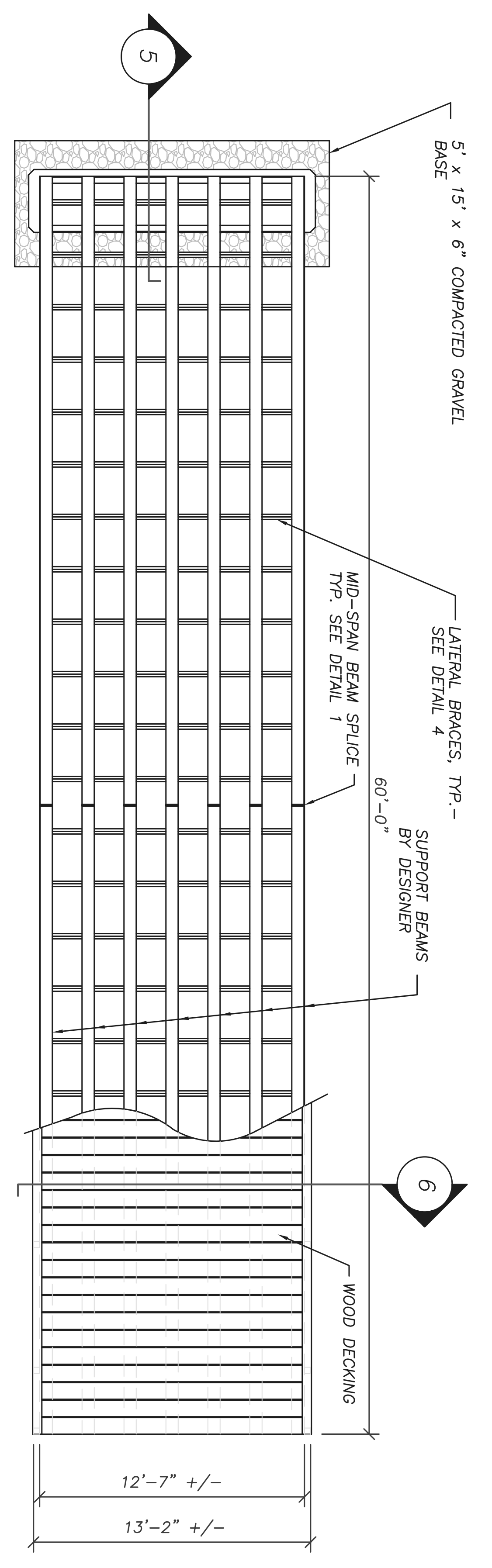
RAILING POST CONNECTION DETAIL 2
SCALE: 1" = 1'-0"



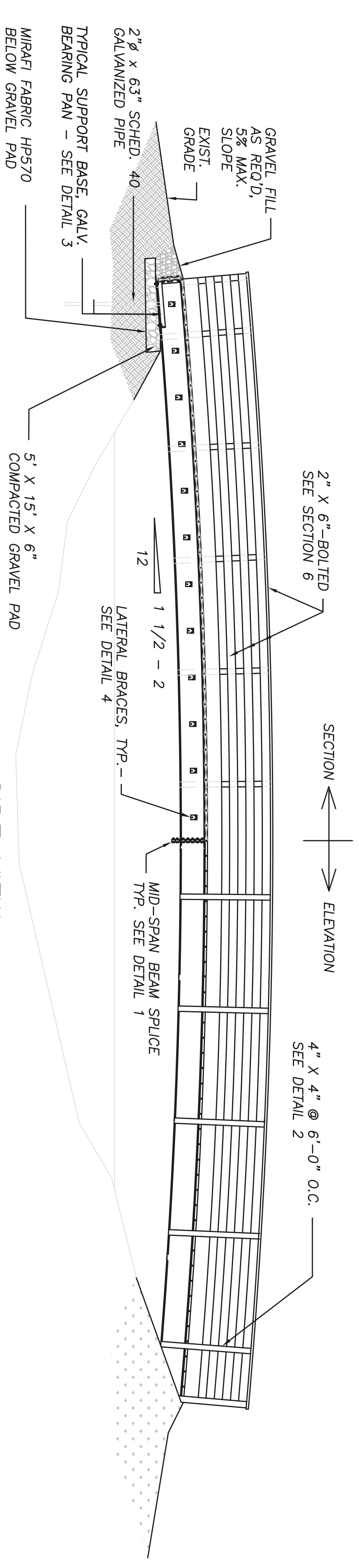
SUPPORT BASE DETAILS 3
SCALE: 1/2" = 1'-0"



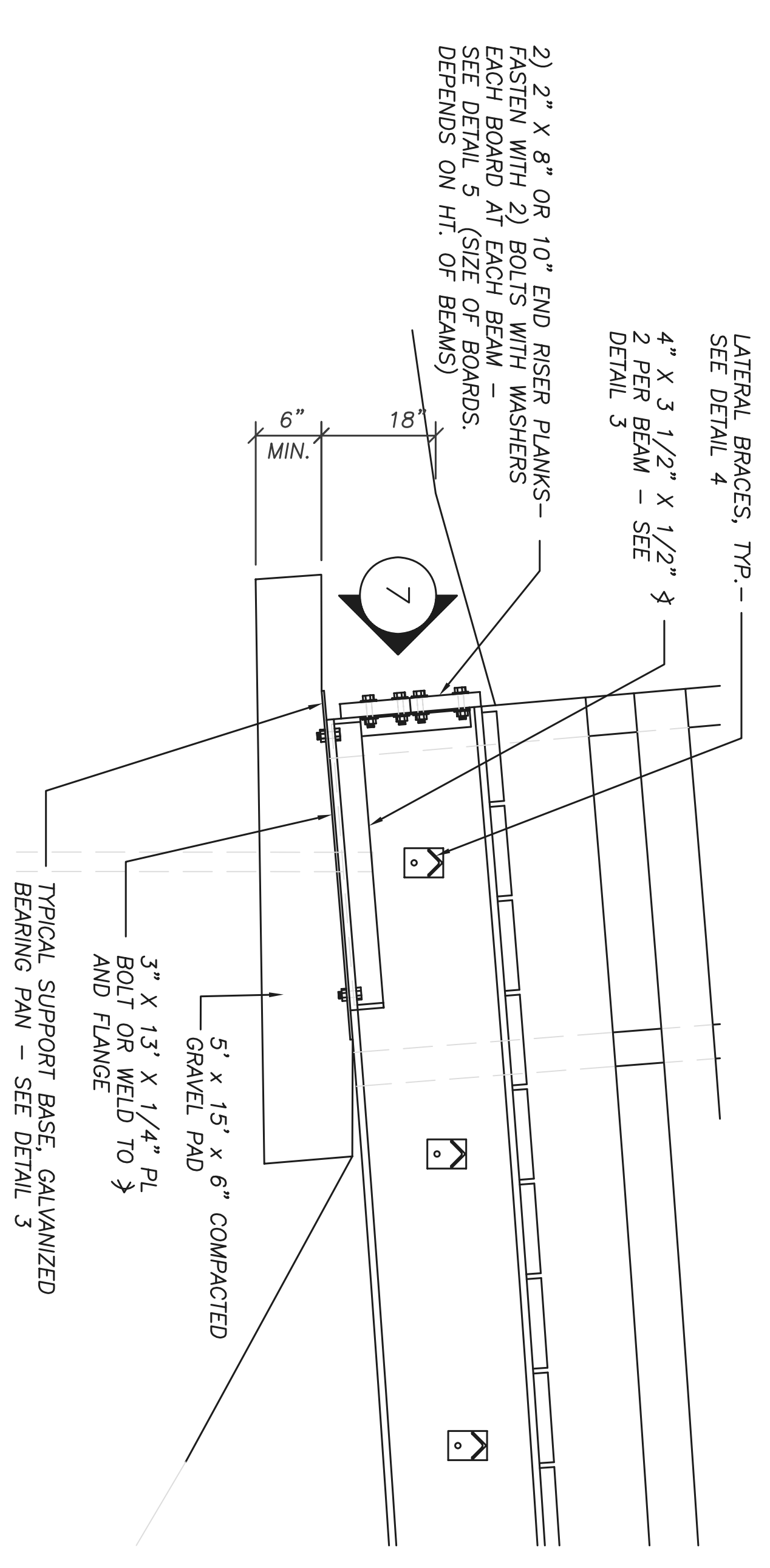
BRACING DETAILS 4
SCALE: 3/4" = 1'-0"



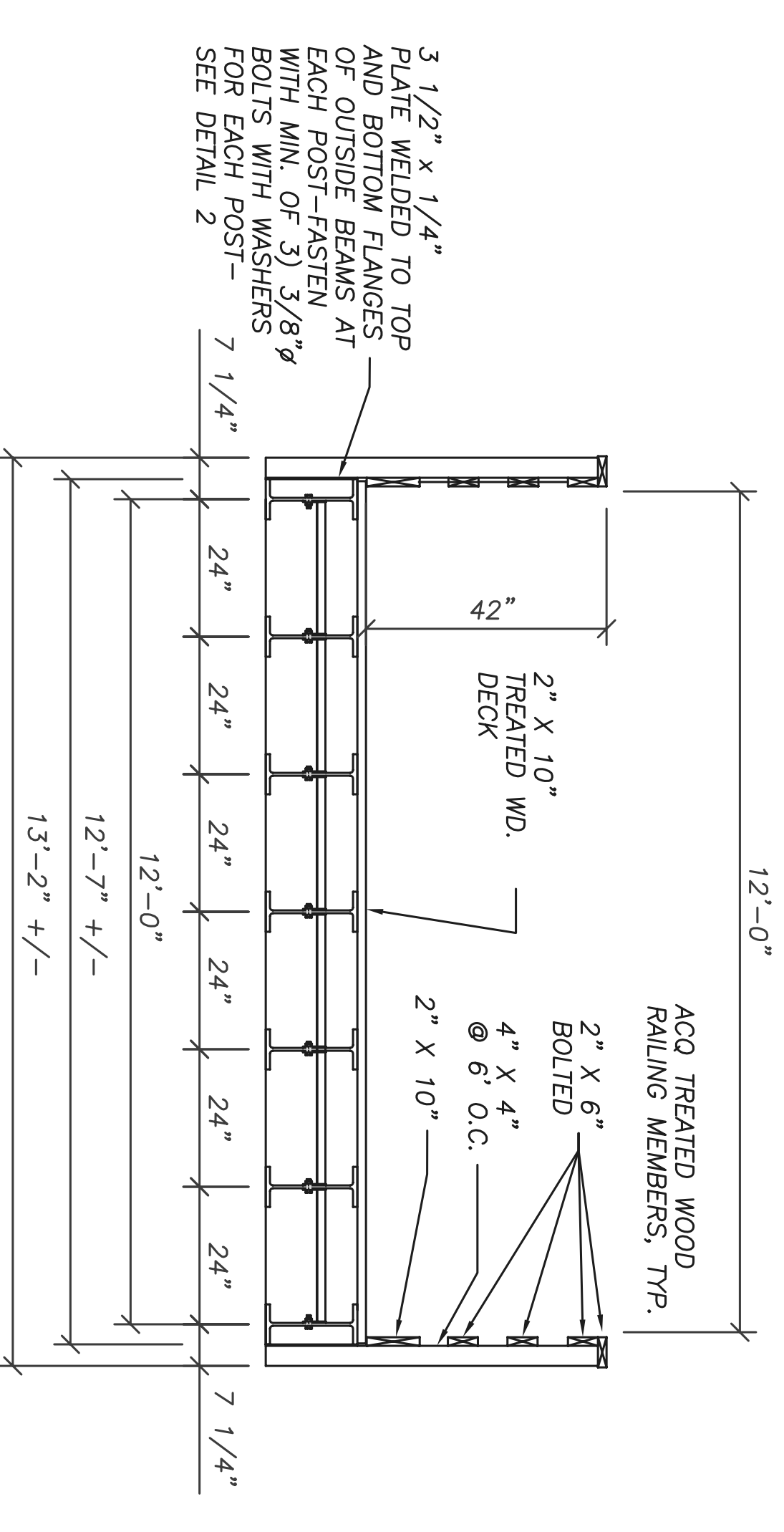
PLAN VIEW
SCALE: 1/4" = 1'-0"



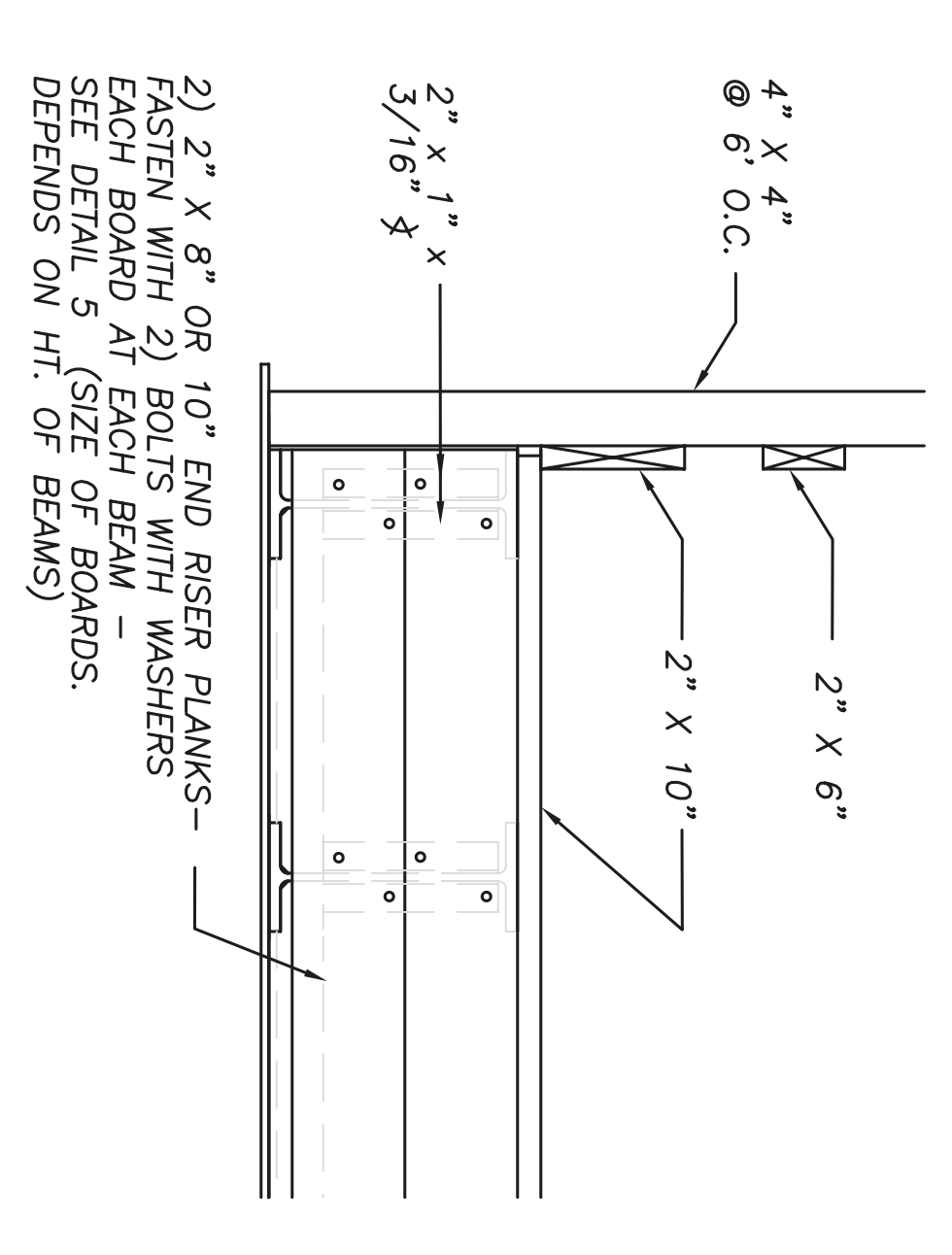
SIDE VIEW
SCALE: 1/4" = 1'-0"



BASE CONNECTION DETAIL 5
SCALE: 1" = 1'-0"



SECTION 6
SCALE: 1/2" = 1'-0"



ELEVATION 7
SCALE: 1" = 1'-0"

GENERAL NOTES:
FIELD VERIFY ALL DIMENSIONS. DO NOT SCALE DRAWINGS.

1. THIS BRIDGE IS DESIGNED ON THE BASIS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES BRIDGE GUIDELINES FOR NEW AND REPLACEMENT SNOWMOBILE AND ALL-TERRAIN VEHICLE BRIDGES. PUBLICATION BRD-003, DATED 2001. THE BRIDGE DESIGN REQUIRES 2001 LBS PER FEET LONG SHOULD BE DESIGNED TO MEET THE FOLLOWING LOADING REQUIREMENT WHICH CREATES THE GREATEST BENDING MOMENT:
A UNIFORM LIVE LOAD OF 30 PSF APPLIED TO THE ENTIRE DECK SURFACE PLUS A CONCENTRATED LOAD OF 12,000 LBS. APPLIED TO AN AREA OF DECK 8 FEET WIDE BY 10 FEET LONG. THE MAXIMUM MOMENT WILL RESULT WITH THIS 6 TON LOAD AT MID-SPAN.

2. THE OWNER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS OR FOR SUPERVISION OF CONSTRUCTION.

3. ALL DIMENSIONS ARE TO BE CROSS CHECKED WITH EXISTING FIELD DIMENSIONS AND APPROVED SHOP DRAWINGS FOR THE VARIOUS MATERIALS AND BUILDING COMPONENTS. ALL DIMENSIONAL DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER. FINAL PLANS AND SPECIFICATIONS SHALL BE APPROVED BY A WISCONSIN REGISTERED STRUCTURAL ENGINEER.

4. ALL WORK IS TO BE PERFORMED IN A SAFE AND PROPER MANNER AND SHALL COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND ALL STATE OF WISCONSIN BUILDING CODES AND ZONING ORDINANCES AS THEY MAY PERTAIN TO THIS PROJECT.

SITE WORK:
1. THE CONTRACTOR IS TO VERIFY ALL CONDITIONS AT THE SITE, PARTICULARLY THE LOCATION OF ANY UNDERGROUND UTILITIES BEFORE EXCAVATION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
2. THE FOUNDATION DESIGN IS BASED UPON AN ASSUMED NET SOIL BEARING CAPACITY OF 1,500 PSF.

3. THE BEARING ELEVATION OF THE BRIDGE SHALL BE SET AT AN ELEVATION SUCH THAT AT MINIMUM THE BOTTOM CHORD ELEVATION OF THE BRIDGE SHALL BE 5'-0" ABOVE THE 100 YEAR FLOOD ELEVATION OF AS DETERMINED BY THE DANE COUNTY DEPARTMENT OF PUBLIC WORKS.

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL USED IN THE FABRICATION AND ERECTION OF THIS BRIDGE SHALL MEET ASTM A572/582 GRADE 50. ALL STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 50,000 PSI.

2. FASTENERS USED IN THE FABRICATION AND ERECTION OF THIS BRIDGE SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS: SAE J429-GRADE 5, SAE J429-GRADE 8 AND ASTM A307-A FOR THEIR RESPECTIVE USES. FASTENERS AND CONNECTORS IN CONTACT WITH TREATED LUMBER SHALL BE HOT-DIP GALVANIZED.

3. WELDING, WHEN REQUIRED, SHALL MEET THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE.

4. ALL STRUCTURAL STEEL SHALL BE PRIME PAINTED AFTER FABRICATION WITH A MINIMUM THICKNESS OF 1.4 MIL. OF PRIMER AND PAINT PER COAT. FINISH PAINT IS BID AS ALTERNATE BID #3.

5. PROJECT ENGINEER SHALL BE NOTIFIED FOR INSPECTION OF BRIDGE AFTER BASIC ASSEMBLY BUT BEFORE COMPLETION AT SHOP.

DIMENSION LUMBER:

1. ALL STRUCTURAL DIMENSION LUMBER INSTALLED IN THIS PROJECT SHALL MEET THE REQUIREMENTS OF THE 2001 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (2001 NDS) AND SHALL BE STAMPED WITH A MINIMUM EQUIVALENT GRADE OF 2400 MSR 2.0E8, SOUTHERN PINE.

2. ALL WOOD USED IN THIS BRIDGE SHALL BE AOC PRESERVATIVE TREATED TO A MINIMUM RETENTION OF .60 POUND PER CUBIC FOOT, AFTER 19% KILN DRYED AND PER THE CHEMICAL MANUFACTURER'S INSTRUCTIONS.

3. THE MOISTURE CONTENT OF ALL LUMBER SHALL NOT EXCEED 19% AT THE TIME OF INSTALLATION. THE PROTECTIVE TREATMENT OF THE WOOD SHALL PROTECT WOOD MATERIALS FROM DAMAGE DUE TO THE ELEMENTS. NO WARPED LUMBER SHALL BE USED IN THE CONSTRUCTION OF THE BRIDGE.

4. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING DURING HANDLING AND ERECTION OF THE BRIDGE.

5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL FINAL BRACINGS, AS SHOWN ON THE SHOP DRAWINGS.