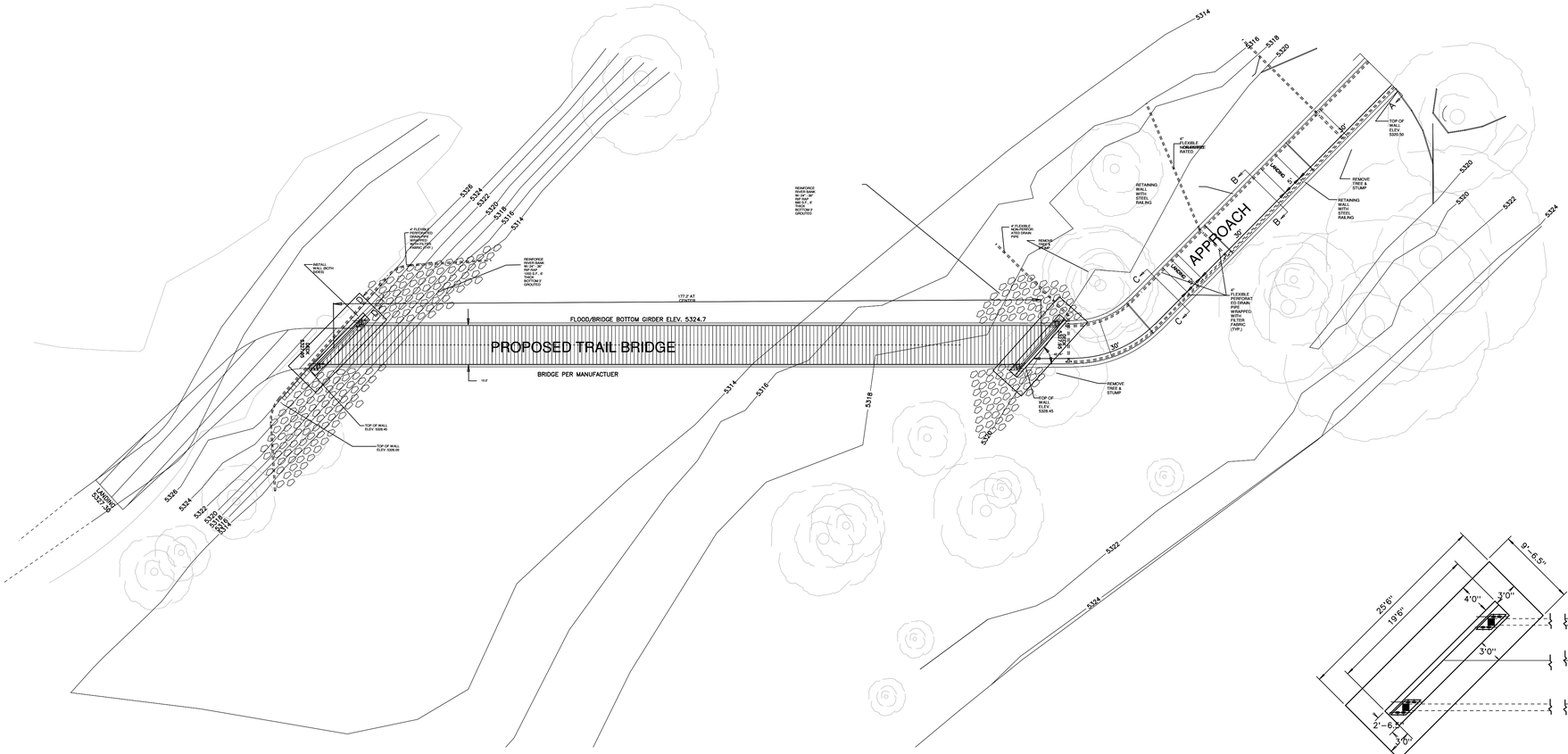
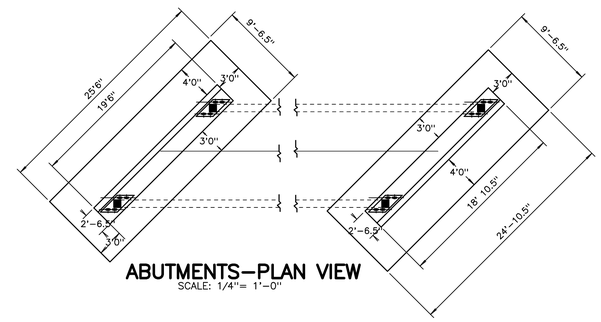
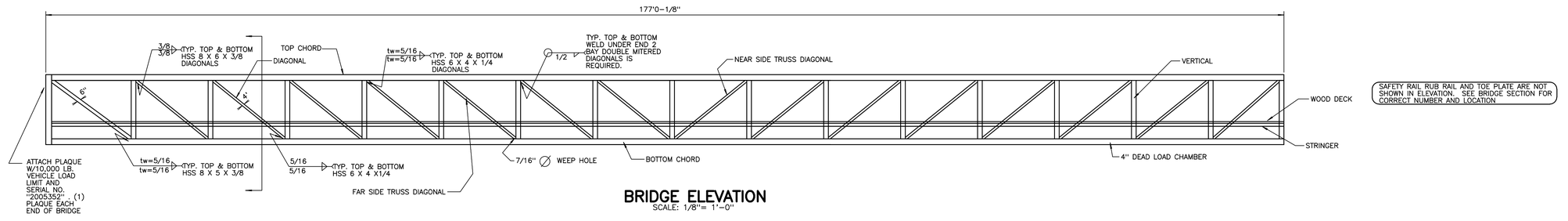


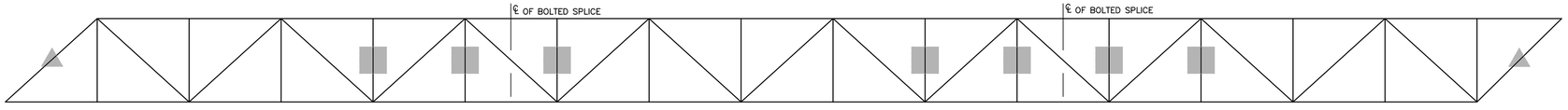
SITE PLAN
SCALE: 1/8"= 1'-0"



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



BRIDGE ELEVATION
SCALE: 1/8"= 1'-0"



END STRUT/SHIPPING STRUT LAYOUT

▲ END STRUT LOCATIONS

■ SHIPPING STRUT LOCATIONS

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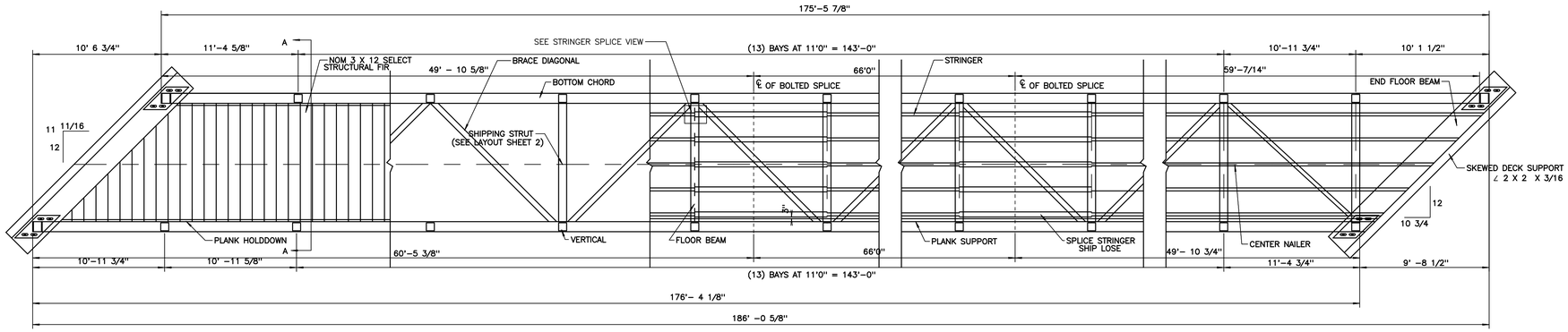
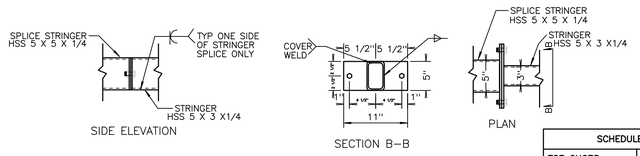


DECK LEVEL BRACING LEVEL FRAMING LEVEL

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



STRINGER SPLICE VIEW
SCALE: 1/4" = 1'-0"

MATERIAL (PER SLICE)

(2) 3/4" X 2" LONG A325 BOLTS AND NUTS (TYPE 3)

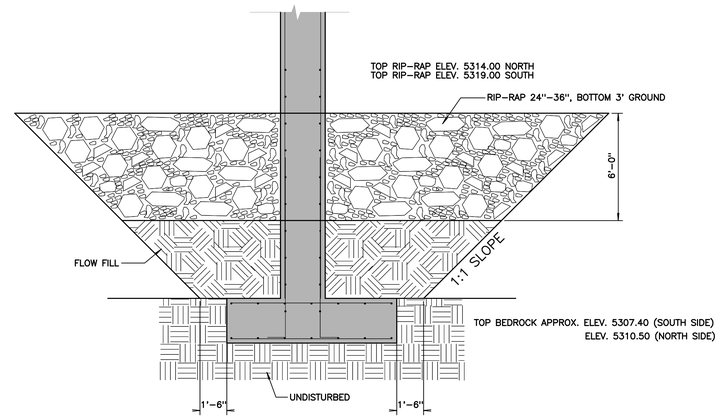
(2) 5" X 3/8" X 11" ASTM A588 PLATE W/(2) 13/16" Ø HOLES

SCHEDULE OF MEMBERS	
TOP CHORD	HSS 10 X 10 X 1/2
BOTTOM CHORD	HSS 10 X 10 X 3/8
VERTICAL	HSS 10 X 10 X 1/2
DIAGONAL	HSS 8 X 8 X 3/8 [1]
BRACE DIAGONAL	HSS 6 X 4 X 1/4
END VERTICAL	HSS 5 X 5 X 1/4
FLOOR BEAM	W 14 X 43
END FLOOR BEAM	(x2) HSS 8 X 6 X 3/8
PLANK SUPPPORT	∠ 3 X 3 X 3/16
STRINGER	HSS 5 X 3 X 1/4 [2]
PLANK HOLDDOWN	∠ 3 X 2 X 3/16
CENTER NEAILER	∠ 2 X 2 X 3/16
TOP RAIL	HSS 2 X 2 X 3/16
SAFETY RAIL	∠ 1 1/4 X 1 1/4 X 1/8
SHIPPING STRUT	HSS 8 X 8 X 3/8
END STRUT	HSS 10 X 6 X 3/8

[1] USE HSS 8 X 6 X 3/8 END 2 BAYS ONLY. TYP. EACH END DOUBLE MITER ALL BAYS

[2] USS HSS 5 X 5 X 1/4 AT SPLICE LOCATIONS (SHIP LOSE)

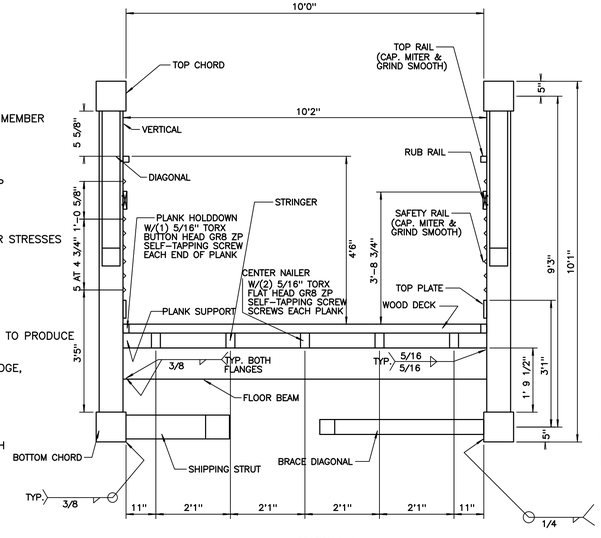
SAFETY RAIL RUB RAIL AND TOE PLATE PRODUCE MAXIMUM OPENINGS OF LESS THAN 4" UP TO A HEIGHT OF 4'-6"



ABUTMENT-EXCAVATION & BACKFILL
SCALE: 1/4" = 1'-0"

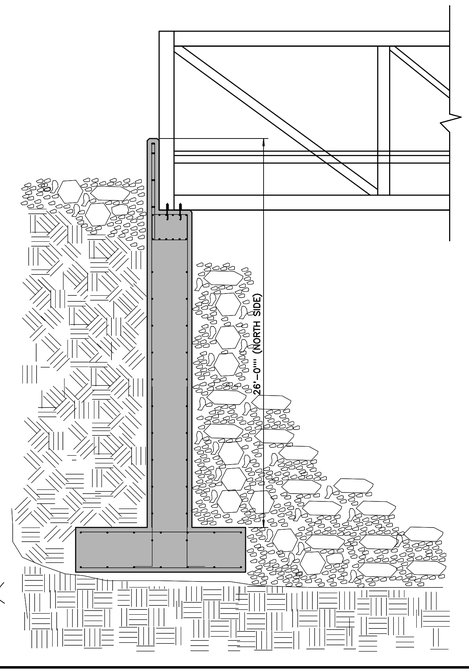
GENERAL NOTES

1. DESIGN STRESSES ARE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR HIGHWAY BRIINGES" & "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES" BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO), LATEST EDITIONS
2. BRIDGE MEMBERS ARE FAVRICATED FROM HIGH STRENGTH, LOW ALLOY, ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING, AND ASTM A588, ASTM A606, OR ASTM A242 PLATE AND STRUCTURAL SHAPES (Fy=50,000 PSI).
3. BRIDGE DECKING NOMINAL 3-INCH THICK SELECT STRUCTURAL FIR (Fb-1,400 PSI MIN). TIMBER DECK MATERIAL SHALL BE TREATED WITH CHROMATED COPPER ARSENATE (CCA) OR ALKALINE COPPER QUANTENARY (ACQ) TO A 0.4 PCF RETENTION OR TO REFUSAL.
4. THE GAS METAL ARC WELDING PROCESS OF FLUX CORED ARC WELDING PROCESS WILL BE USED.
5. ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PERETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE AS DETAILED.
6. UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HAVE THE EFFECTIVE THROAT OF A FILLET WELD) OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
   A. BOTH ENDES OF VERTICALS (EXCEPT AS NOTED). DIAGONALS, AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
   B. BRACE DIAGONALS WILL BE WELDED ALL AROUND.
   C. BOTTOM OF STREINGER WILL BE STITCH WELDED TO TOP OF FLOOR BEAMS.
   D. MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STITCH WELDED TO THEIR SUPPORTING MEMBERS
7. BRIDGE DESIGN WAS ONLY BASED ON COMBINATION OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES
   A. 85 PSF UNIFOM LIVE LOADING ON THE FULL DECK AREA OR ONE 10,000 POUND VEHICLE LOAD. THE UNIFORM LIVE LOAD SHALL BE REDUCED TO 65 PSF FOR THE DESING OF THE MAIN TRUSS MEMBERS ONLY. THE VEHICLE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF THE LOAD ON THE REAR WHEELS. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BAS E SHALL BE 10'-0". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESS IN EACH MEMBER, INCLUDING DECKING.
   B. 35 PSF WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED.
   C. 20 PSF UPWARD FORCE APPLIED AT THE WINDWAR QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH (AASHTO 3.15.3).
8. CLEANING: ALL EXPOSED SRUFACES OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACES AND PREPERATION SPECIFICATIONS NO. 7 BRUSH OFF BLAST CLEANING. SSPC-SP7-LATEST EDITION.
9. WELD TESTING
ALL WELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING SERVICE.
   A. ALL FULL PENETRATION WELDS IN THE CHORDS ARE TO ULTRASONICALLY TESTED.
   B. ALL FILLET AND PARTIAL PENETRATION GROOVE WELDS SHALL BE VISUALLY INSPECTED WITH 10% ALSO BEING MAGNETIC PARTICLE TESTED.
   C. A WRITTEN TESTING REPORT SHALL BE SUBMITTED UPON COMPLETION.

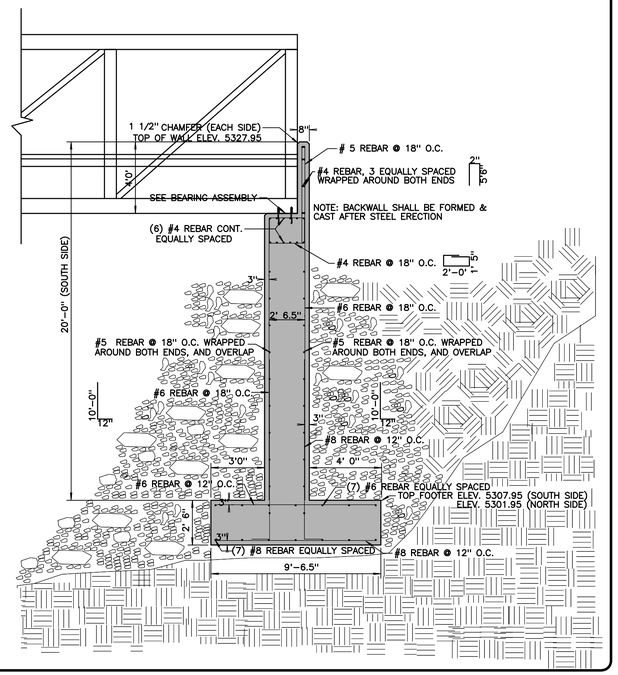


SECTION A-A

BRIDGE SECTION VIEW
SCALE: 1/4" = 1'-0"



ABUTMENT-SECTION
SCALE: 1/4" = 1'-0"



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