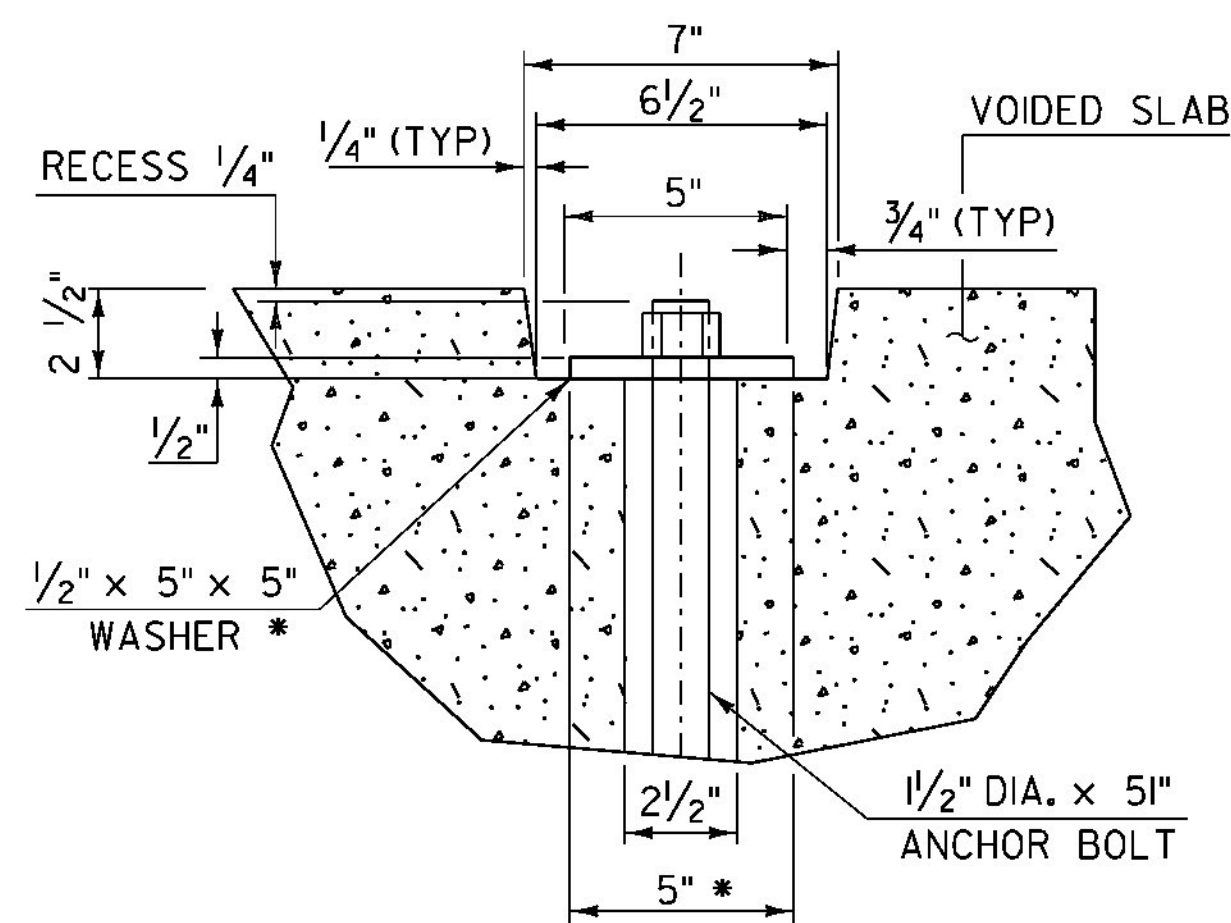


END BRIDGE ANCHOR BOLT DETAIL

NOT TO SCALE

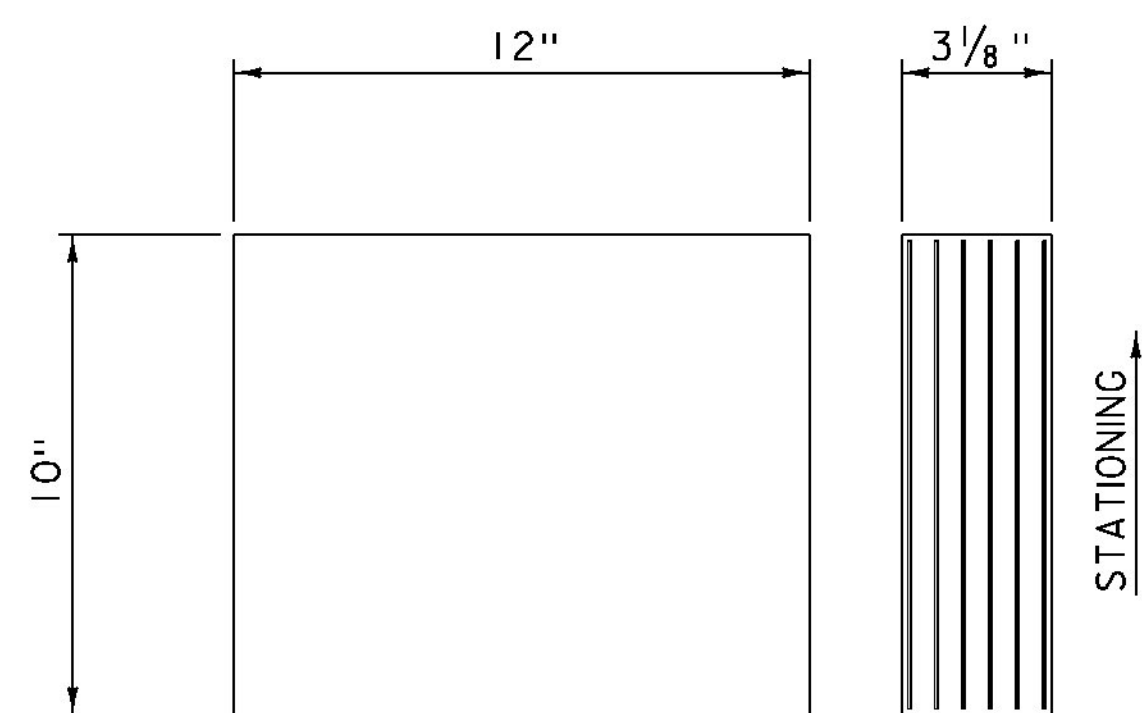
NOTE:
SEE SUBSECTION 714.08 FOR ANCHOR BOLTS & NUTS

• 1/2" x 5" x 5" WASHER WITH 1 1/2" DIA. HOLE (GALVANIZED)



SECTION A-A

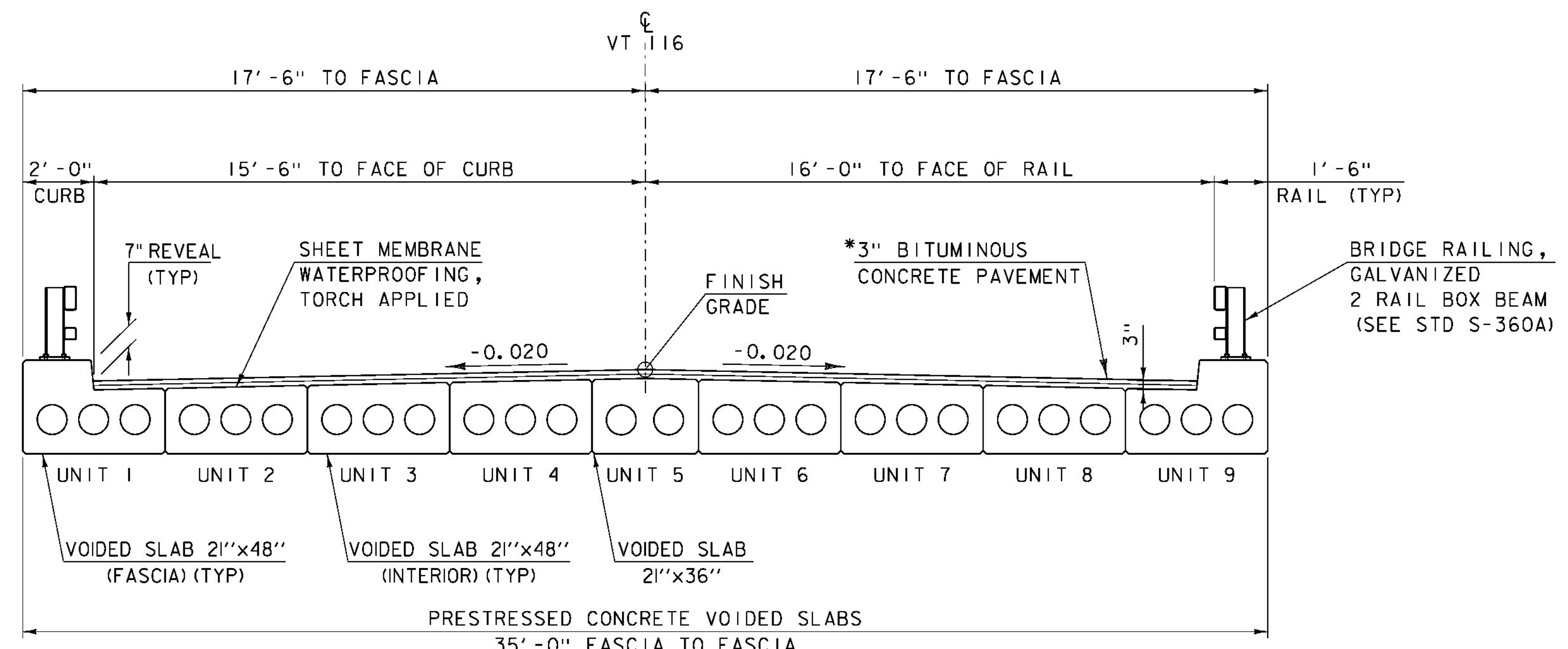
NOT TO SCALE



ELASTOMERIC BEARING DETAIL

SCALE: 3" = 1'-0"

1/8" ELASTOMERIC OUTER LAYER (TOP, BOTTOM, AND SIDES)
 (5) 1/2" LAYERS OF INTERIOR ELASTOMERIC ALTERNATING W/
 (6) 1/16" STEEL REINFORCING PLATES



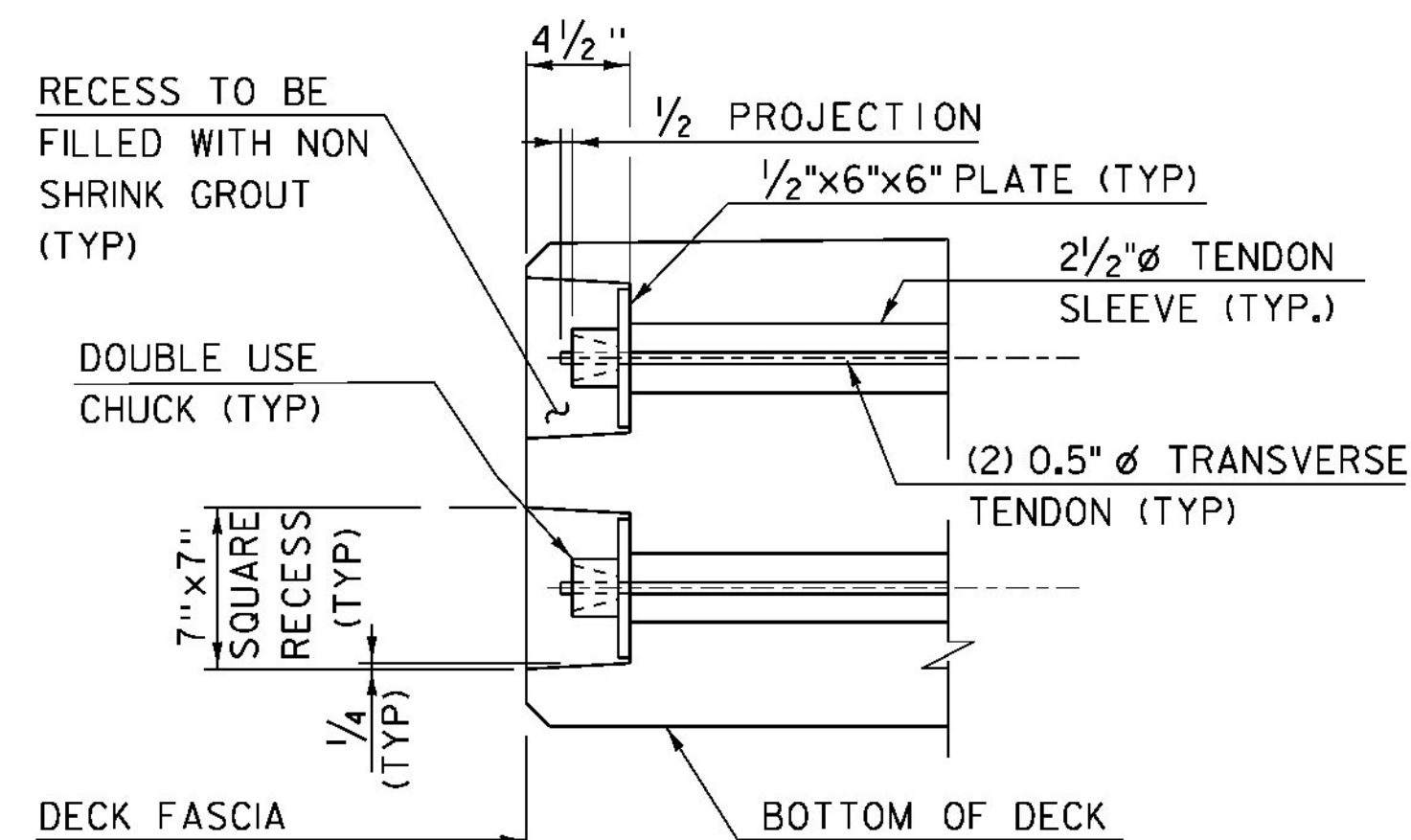
BRIDGE TYPICAL SECTION

SCALE: 3/8" = 1'-0"

* 1/2" BITUMINOUS CONCRETE PAVEMENT, TYPE IVS
 1/2" BITUMINOUS CONCRETE PAVEMENT, TYPE IVS

BEARING NOTES:

1. BEARINGS WILL BE PAID FOR UNDER ITEM 531.17, "BEARING DEVICE ASSEMBLY, STEEL REINFORCED ELASTOMERIC PAD".
2. ALTERNATE CONFIGURATIONS FOR ELASTOMERIC BEARINGS MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ANY ALTERNATE BEARING SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE LOADS AND CRITERIA SHOWN ON THIS SHEET AND MAINTAIN THE ANCHORAGE SYSTEM SHOWN. THE BEARINGS SHALL BE DESIGNED ACCORDING TO AASHTO "LRFD BRIDGE DESIGN SPECIFICATIONS" 2012 EDITION AND ITS LATEST REVISIONS. MINIMUM OVERALL HEIGHT OF BEARING SHALL BE 3".
4. ALL REINFORCEMENT BETWEEN LAYERS OF ELASTOMERIC SHALL BE STEEL GRADE 50. NO FABRIC REINFORCEMENT WILL BE PERMITTED.
5. ELASTOMERIC BEARINGS REINFORCED WITH STEEL SHALL HAVE A 1/8" EDGE SEAL OF ELASTOMERIC INTEGRAL WITH THE BEARING OVER ALL PLATES.
6. DESIGN CRITERIA:
 - A. TEMPERATURE RANGE: 80° F
 - B. 50 DUROMETER ELASTOMERIC
 - C. MAXIMUM BEARING STRESS: 1000 psi
 - D. DESIGN ROTATION: 0.010 rad
 - E. REACTION/BEAM: RDL = 31 kips (UNFACTORED)
7. THE FABRICATOR SHALL SUPPLY A SELF ADHESIVE COMPRESSIBLE SEALER BETWEEN THE BOTTOM OF THE UNITS AND THE BRIDGE SEAT. THIS COMPRESSIBLE SEALER SHALL SURROUND THE 2 1/2" DIA SLEEVE IN THE UNIT. THE PURPOSE OF THE SEALER IS TO FACILITATE PLACEMENT OF THE MORTAR AROUND THE ANCHOR BOLTS. PAYMENT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 531.17, "BEARING DEVICE ASSEMBLY, STEEL REINFORCED ELASTOMERIC PAD"



TRANSVERSE TENDON CHUCK DETAIL

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

NOTES:

1. TRANSVERSE TENDONS SHALL BE COVERED BY SEAMLESS POLYPROPYLENE SHEATH (WITH CORROSION INHIBITOR GREASE BETWEEN SHEATH AND TENDON) FOR THE LENGTH OF TENDON, EXCEPT AT ANCHORAGE LOCATIONS. TENDONS SHALL BE TENSIONED TO 145 KIPS.
2. THE 1/2" PLATE SHALL CONFORM TO AASHTO M 270M/ M 270 GRADE 50. THE PLATE AND CHUCK SHALL BE GALVANIZED ACCORDING TO AASHTO M111M/ M111.

PROJECT NAME: BRISTOL
 PROJECT NUMBER: BRF 021-1(29)

FILE NAME: si0b094sup.dgn
 PROJECT LEADER: C. CARLSON
 DESIGNED BY: C. MOONEY
 BRIDGE VOIDED SLAB DETAILS (1)

PLOT DATE: 04-NOV-2014
 DRAWN BY: R. PELLETT
 CHECKED BY: EVANS-MONGEON
 SHEET 23 OF 54