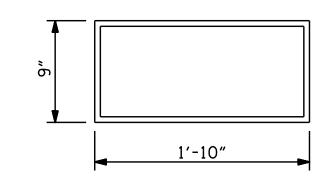


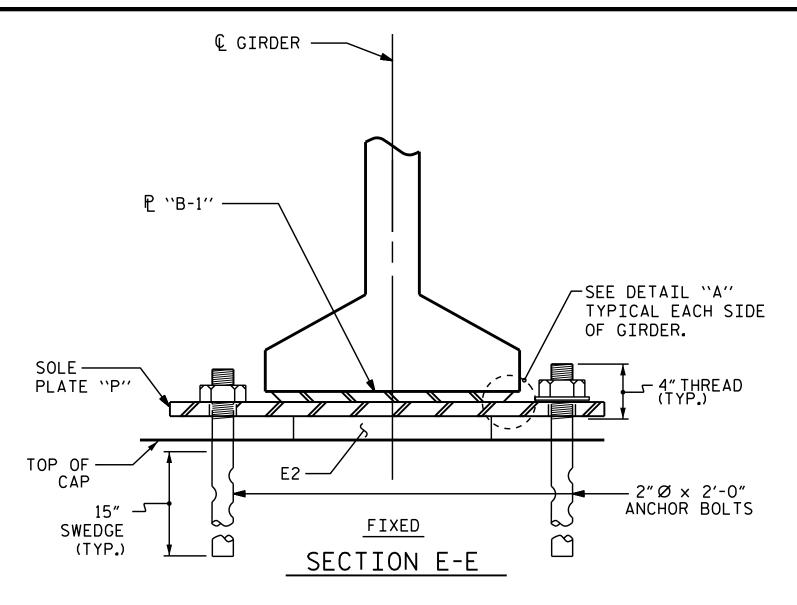
TYPICAL SECTION OF ELASTOMERIC BEARINGS

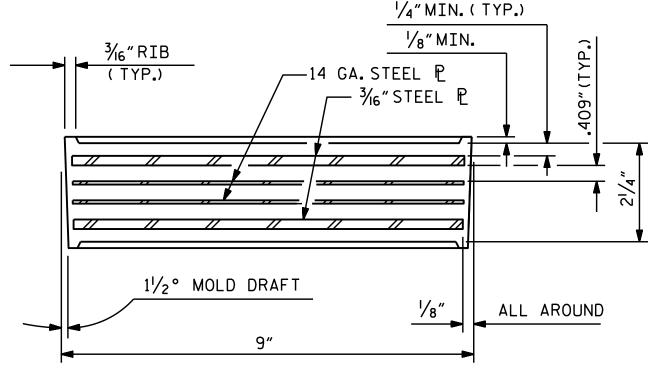


E1 (12 REQ'D)

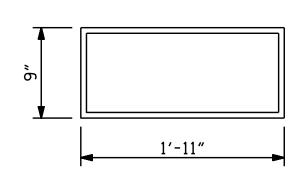
PLAN VIEW OF ELASTOMERIC BEARING

TYPE IV





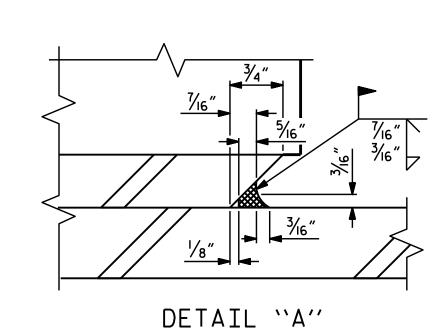
TYPICAL SECTION OF ELASTOMERIC BEARINGS

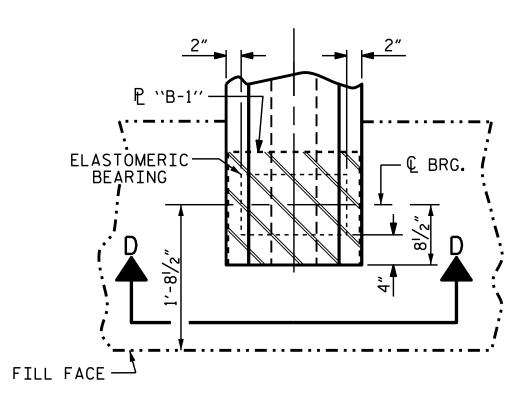


PLAN VIEW OF ELASTOMERIC BEARING

TYPE V

E2 (12 REQ'D)





TYPICAL PLAN @ INTEGRAL END BENT

NOTES

AT ALL FIXED POINTS OF SUPPORT, NUTS FOR ANCHOR BOLTS ARE TO BE TIGHTENED FINGER TIGHT AND THEN BACKED OFF 1/2 TURN. THE THREAD OF THE NUT AND BOLT SHALL THEN BE BURRED WITH A SHARP POINTED TOOL.

STEEL SOLE PLATES, ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

PRIOR TO WELDING, GRIND THE GALVANIZED SURFACE OF THE PORTION OF THE EMBEDDED PLATE AND SOLE PLATE THAT ARE TO BE WELDED. AFTER WELDING, DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

WHEN WELDING THE SOLE PLATE TO THE EMBEDDED PLATE IN THE GIRDER, USE TEMPERATURE INDICATING WAX PENS, OR OTHER SUITABLE MEANS, TO ENSURE THAT THE TEMPERATURE OF THE SOLE PLATE DOES NOT EXCEED 300°F. TEMPERATURES ABOVE THIS MAY DAMAGE THE ELASTOMER.

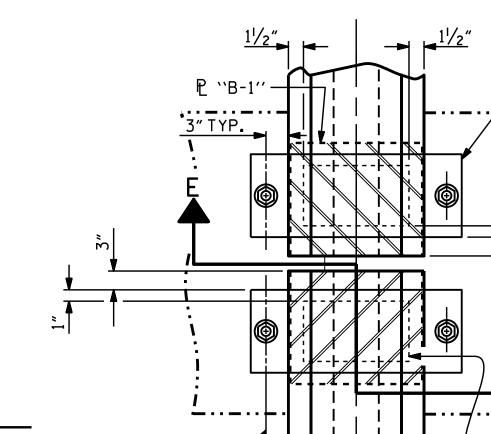
SOLE PLATE "P", BOLTS, NUTS AND WASHERS SHALL BE INCLUDED IN THE PAY ITEM FOR PRESTRESSED CONCRETE GIRDERS.

ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A449. NUTS SHALL MEET THE REQUIREMENTS OF AASHTO M291-DH OR AASHTO M292-2H. WASHERS SHALL MEET THE REQUIREMENTS OF AASHTO M293. NO SHOP DRAWINGS ARE REQUIRED FOR ANCHOR BOLTS. NUTS AND WASHERS. SHOP INSPECTION IS REQUIRED.

ALL SURFACES OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT.

THE ELASTOMER IN THE STEEL REINFORCED BEARINGS SHALL HAVE A SHEAR MODULUS OF 0.160 KSI, IN ACCORDANCE WITH AASHTO M251.

FOR STEEL REINFORCED ELASTOMERIC BEARINGS, SEE SPECIAL PROVISIONS.



TYPICAL PLAN @ BENT

PROJECT NO. U-2579C FORSYTH COUNTY

-ELASTOMERIC BEARING

STATION: 29+24.97 -Y1-

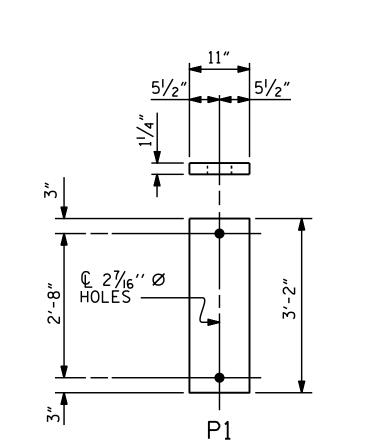
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD

ELASTOMERIC BEARING ——— DETAILS ———

PRESTRESSED CONCRETE GIRDER SUPERSTRUCTURE

7/27/2017 SHEET NO. **REVISIONS** S1-16 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STR. #1



SOLE PLATE DETAILS

(FIXED)

(12 REQ'D)

MAXIMUM ALLOWABLE SERVICE LOADS D.L.+L.L. (NO IMPACT)

225 k TYPE IV 365 k TYPE V

ASSEMBLED BY : J. P. MCCARTHA DATE : 3/8/16 CHECKED BY : H.A. LOCKLEAR DATE : 8/26/16 MAA/GM AAC/MAA MAA/TMG DRAWN BY: EEM 2/97 CHECKED BY: VAP 2/97