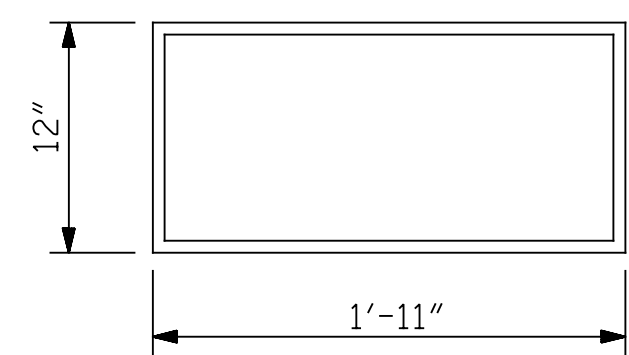
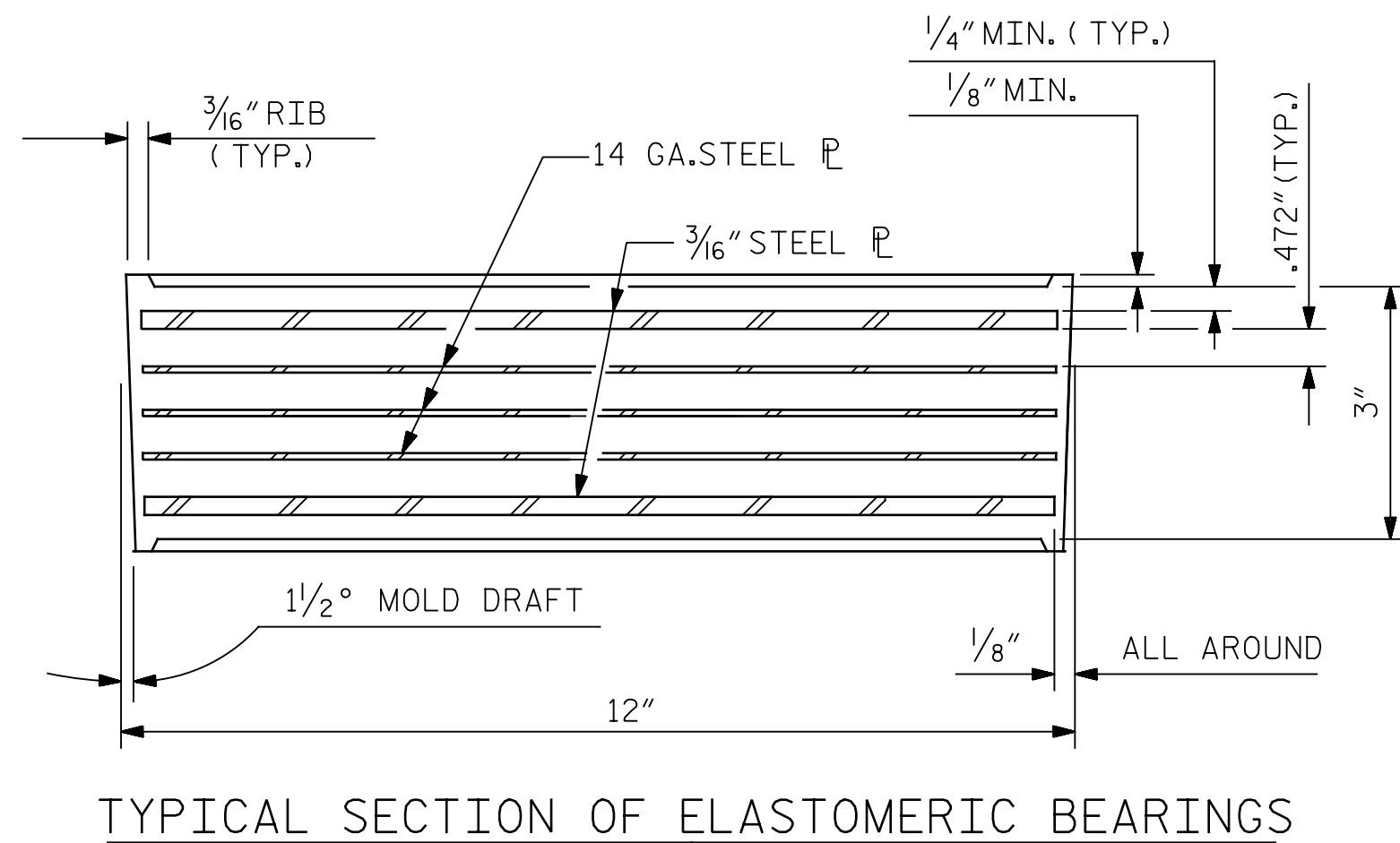
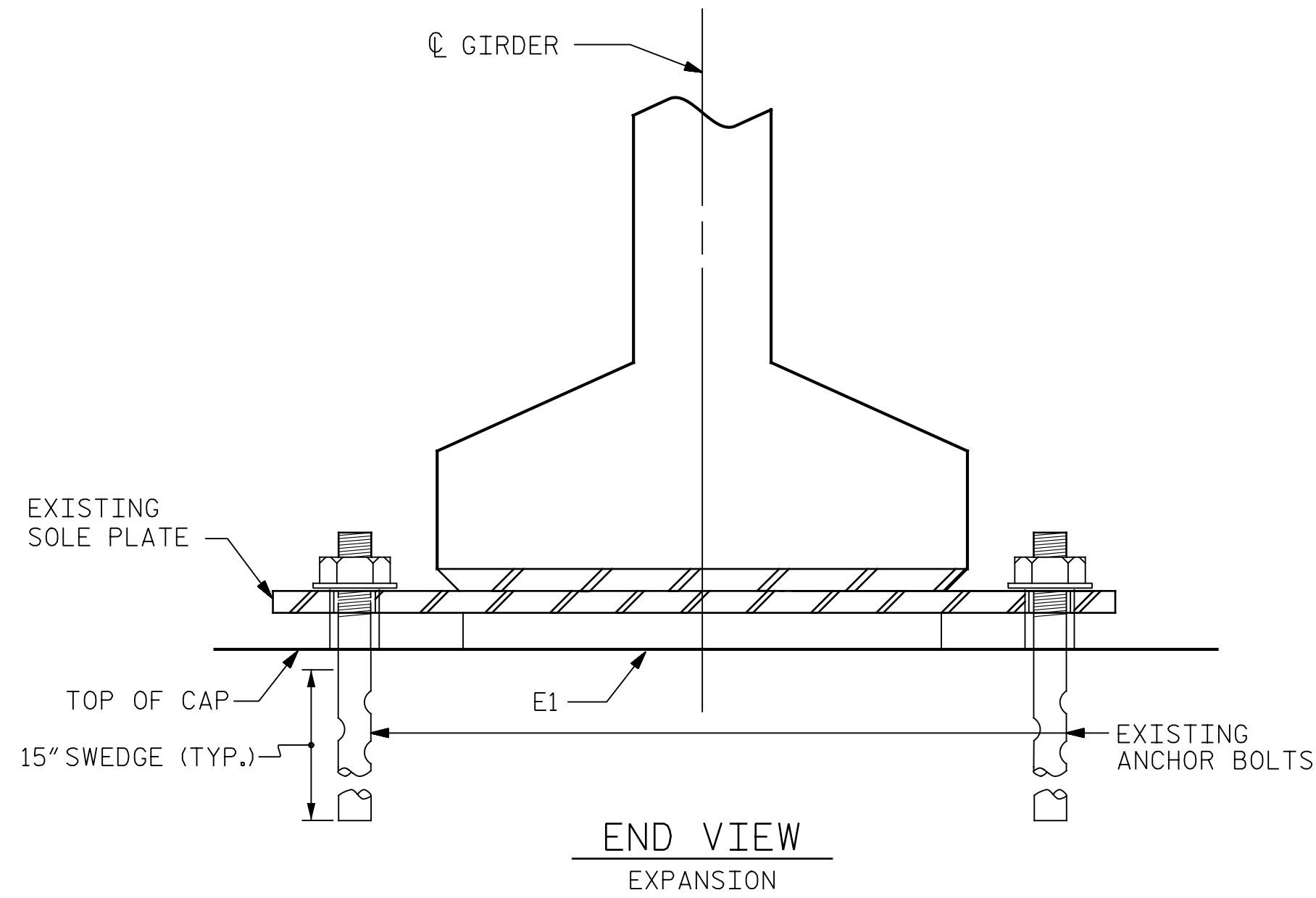


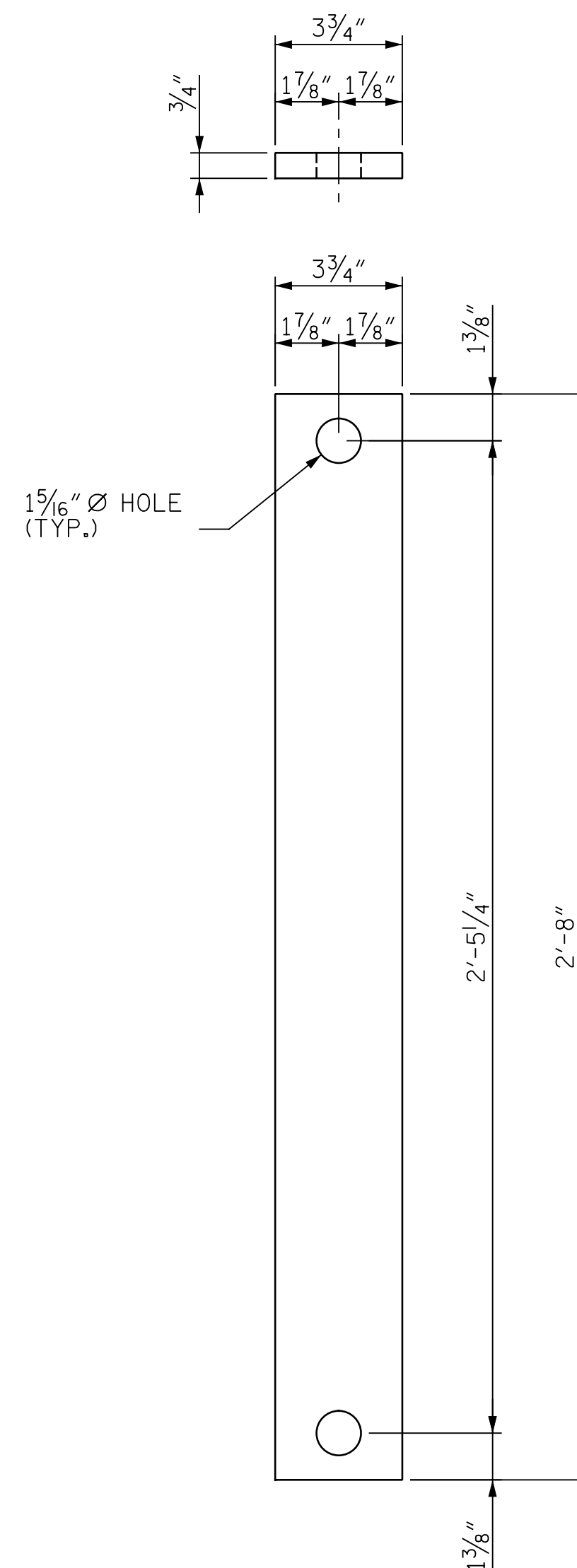
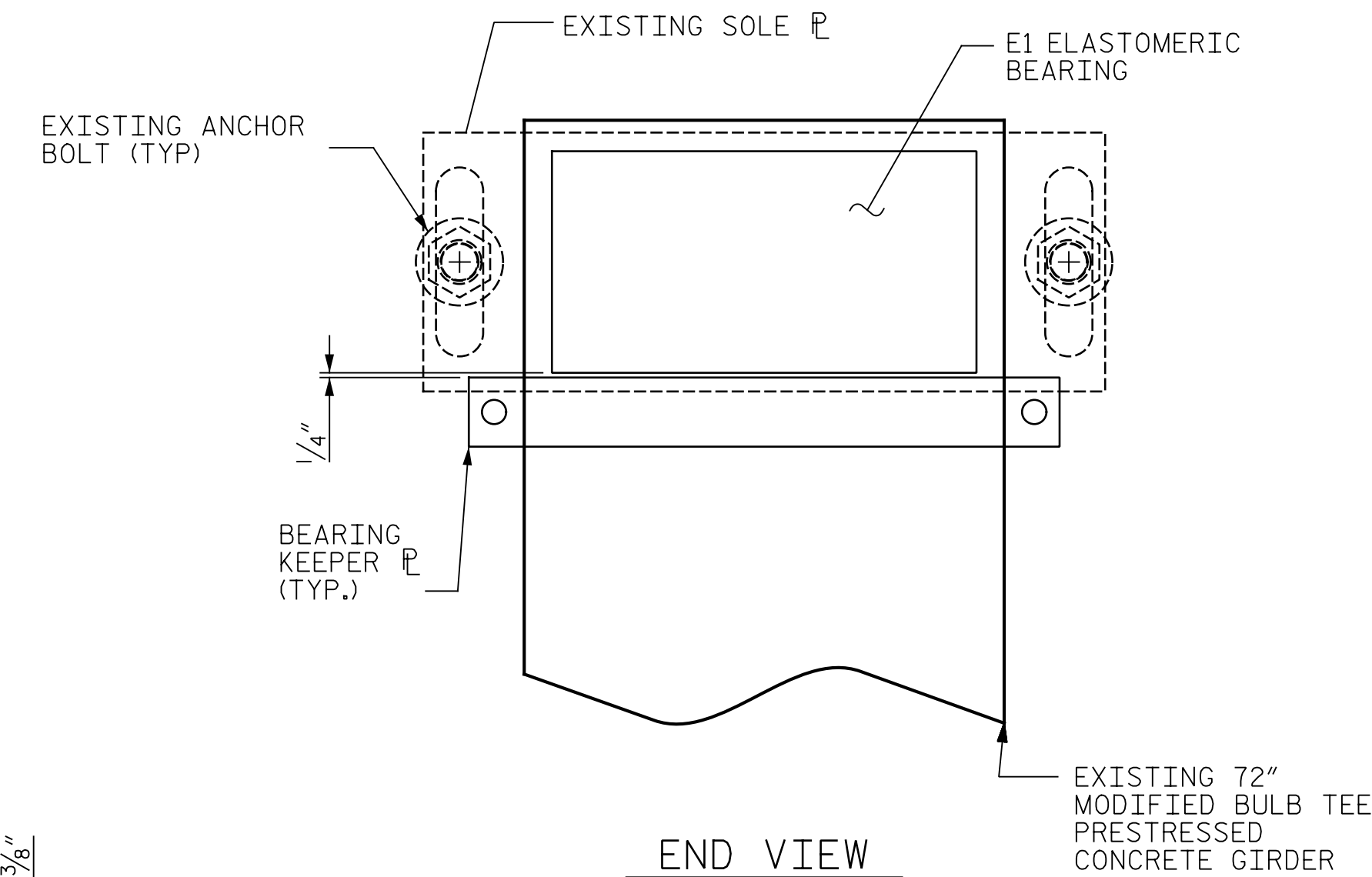
NOTES

BEARING SHEET NOTES:
 THE EXISTING ELASTOMERIC BEARINGS SHALL BE REMOVED AND REPLACED WITH BEARINGS AND KEEPER ASSEMBLIES AS SHOWN.
 LOOSEN OR REMOVE EXISTING ANCHOR BOLT NUTS AS REQUIRED TO ALLOW JACKING OF GIRDERS.
 WITH GIRDERS IN A JACKED AND SUPPORTED CONDITION, REMOVE EXISTING ELASTOMERIC BEARING PADS. FOR JACKING DETAILS, SEE "JACKING DETAILS" SHEET.
 INSTALL REPLACEMENT ELASTOMERIC BEARINGS CENTERED UNDER THE EXISTING SOLE PLATE.
 LOWER GIRDER ONTO NEW BEARING PADS. TIGHTEN ANCHOR BOLT NUTS TO FINGER TIGHT AND THEN BACK THEM OFF 1/2" TURN.
 INSTALL BEARING KEEPER ASSEMBLY AS SHOWN.
 KEEPER BARS, BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS.

MATERIALS:
 ANCHOR BOLTS SHALL BE 1 1/4" ALL THREAD MEETING THE REQUIREMENTS OF ASTM F1554 GRADE 55.
 NUTS SHALL MEET THE REQUIREMENTS OF ASTM A563-15 GRADE A.
 WASHERS SHALL MEET THE REQUIREMENTS OF ASTM F436 TYPE 1 CIRCULAR.
 THE CONTRACTOR SHALL DRILL OR CORE INTO THE EXISTING BENT CAP TO INSTALL KEEPER BAR ANCHORS. THE ANCHORS SHALL BE ADHESIVELY ANCHORED. ADHESIVE FOR ANCHORING SHALL BE ON THE NCDOT APPROVED PRODUCTS LIST.
 EXISTING "S" BAR STIRRUPS MAY BE CUT TO INSTALL ANCHOR BOLTS.
 THE EMBEDMENT DEPTH OF THE ANCHOR BOLT SHALL BE 7" OR THE DEPTH RECOMMENDED BY THE ADHESIVE MANUFACTURER TO ATTAIN THE PULL-OUT STRENGTH OF THE DESIGN LOAD BELOW, WHICHEVER IS GREATER. FIELD TESTING OF THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.
 ANCHOR DESIGN YIELD LOAD: 15 KIPS.
 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.



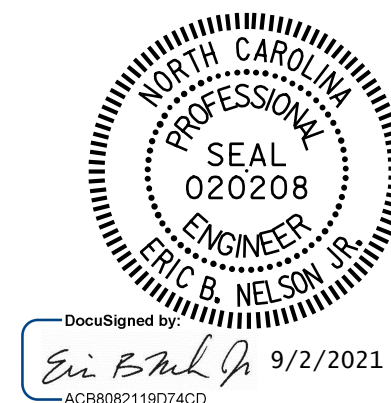
E1 (10 REQ'D)
 PLAN VIEW OF ELASTOMERIC BEARING



BEARING KEEPER DETAIL
 (10 REQ'D)

PROJECT NO. B-4626
STANLY, ROWAN
AND DAVIDSON COUNTY
 BRIDGE NO. 790008

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
BEARING REPAIR DETAILS					
SHEET NO. S2-20					
TOTAL SHEETS 125					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		



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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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DRAWN BY : M. LEE DATE : 3/2021
 CHECKED BY : R. NELSON DATE : 4/2021