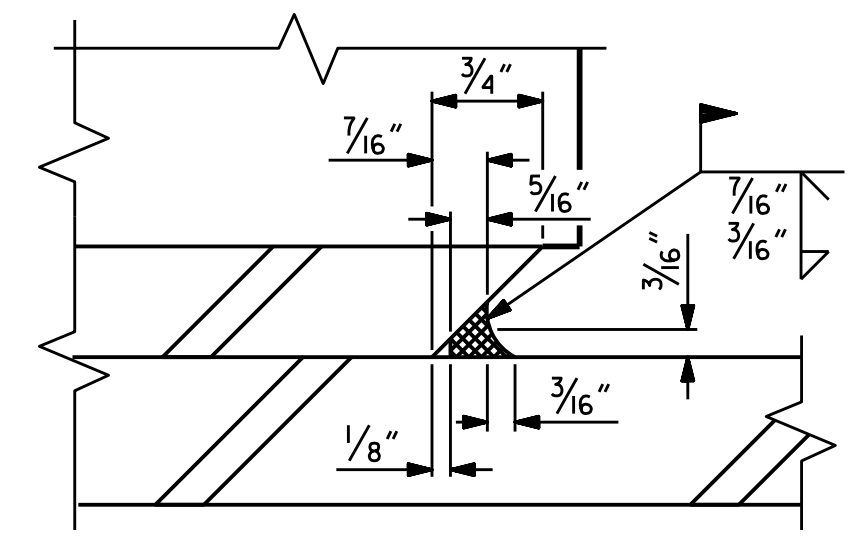
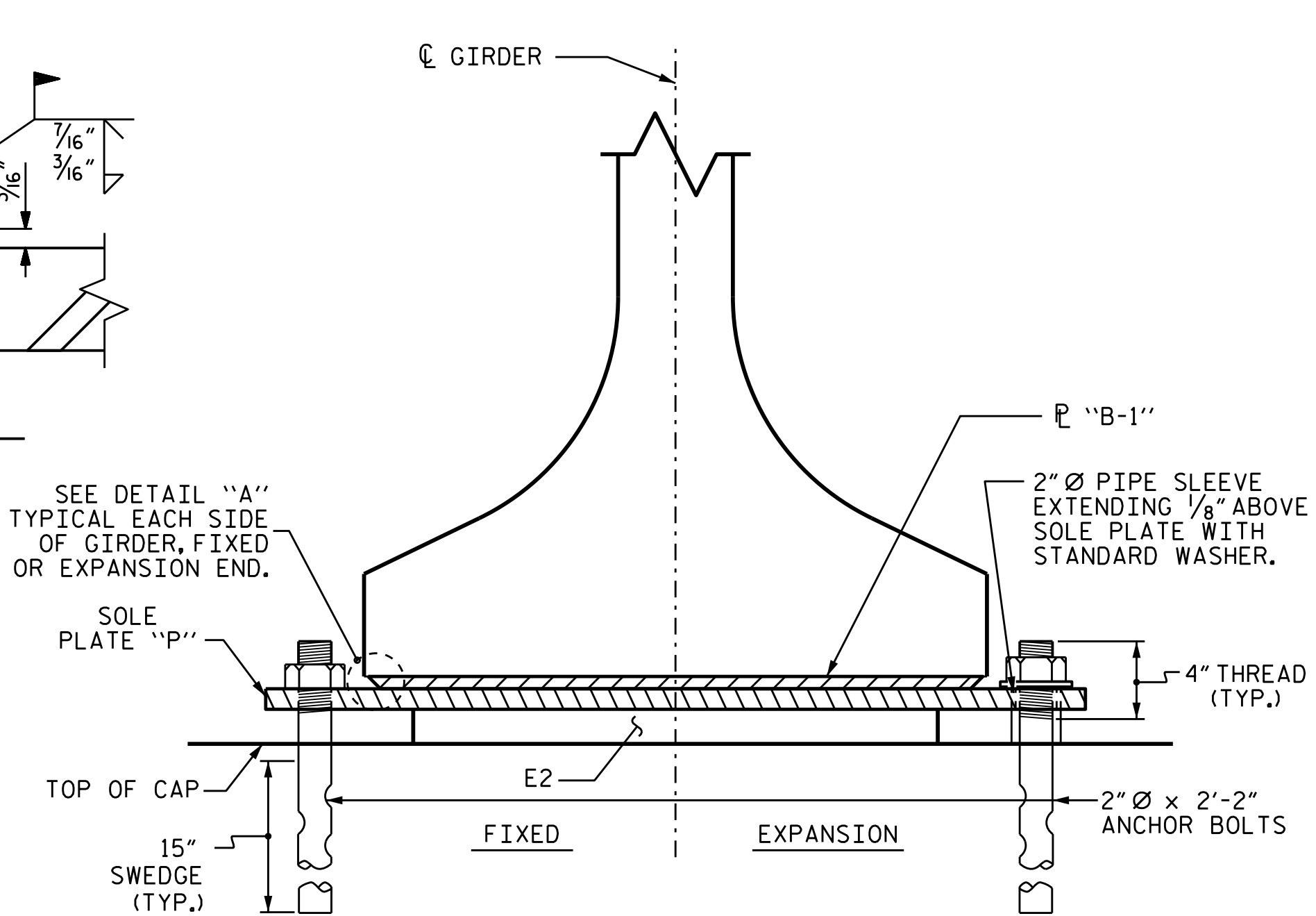


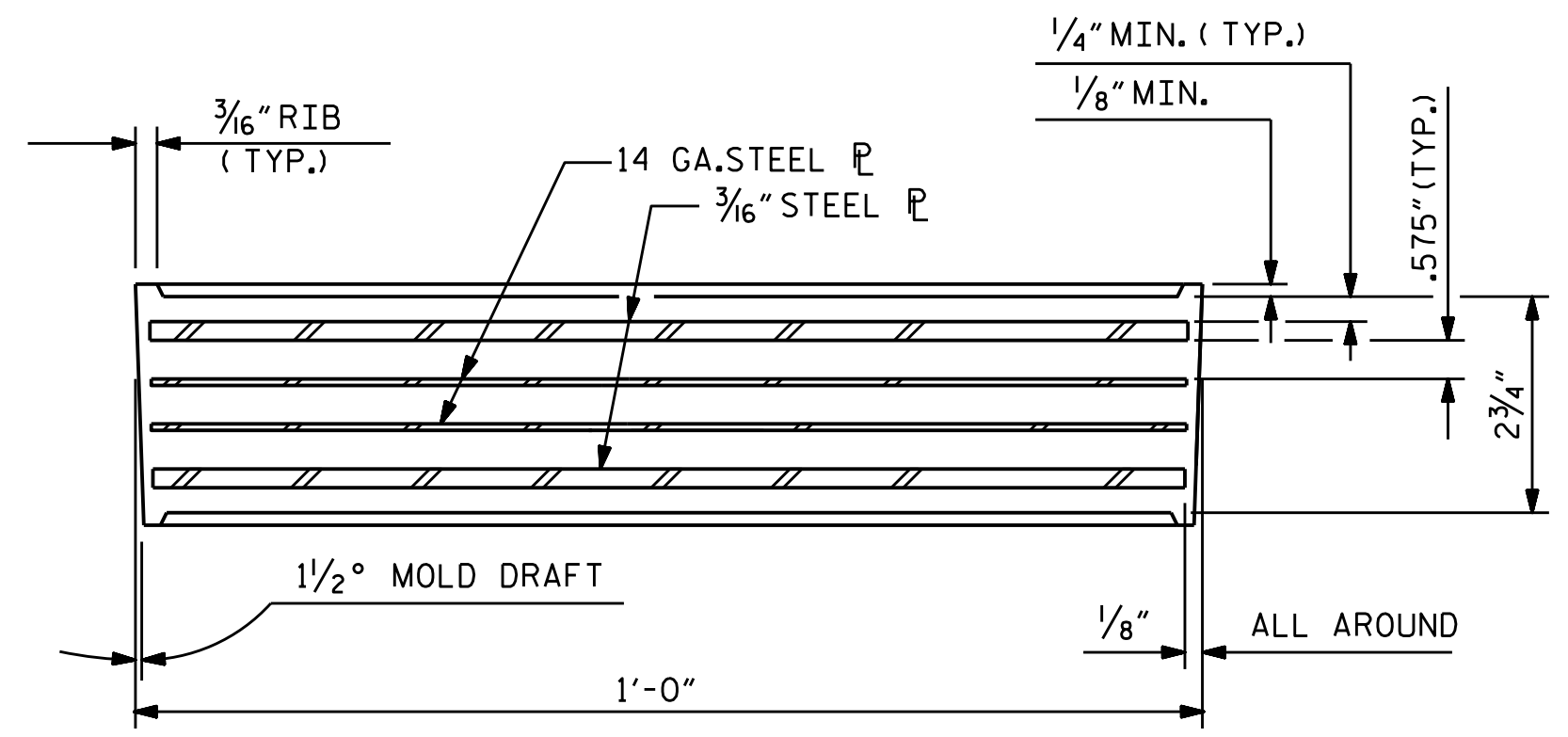
SECTION E-E



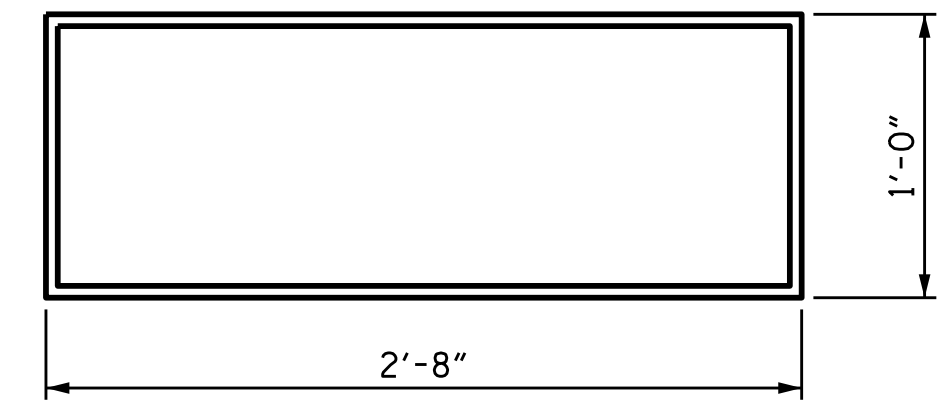
DETAIL "A"



SECTION E-E

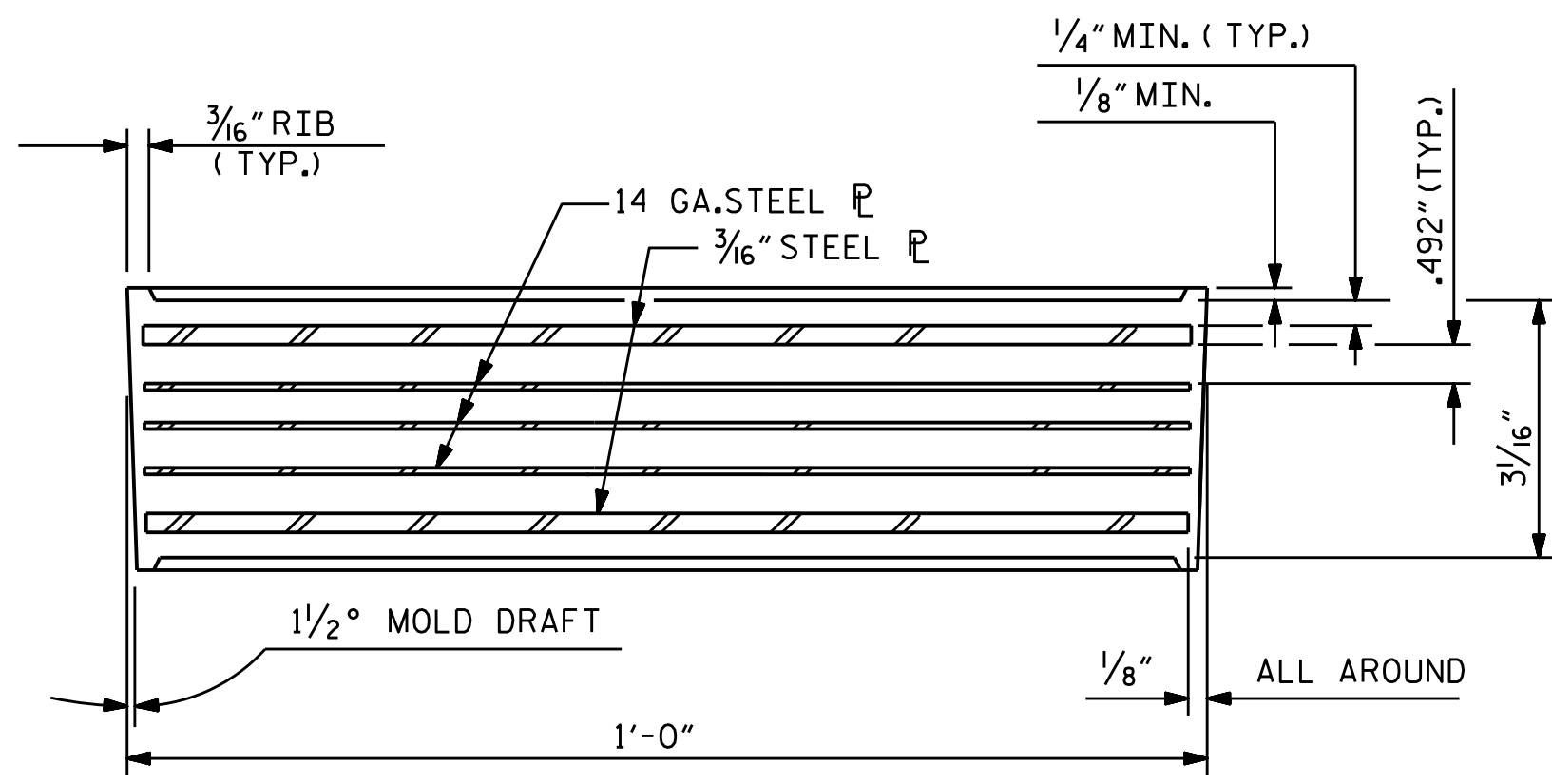


TYPICAL SECTION OF ELASTOMERIC BEARINGS

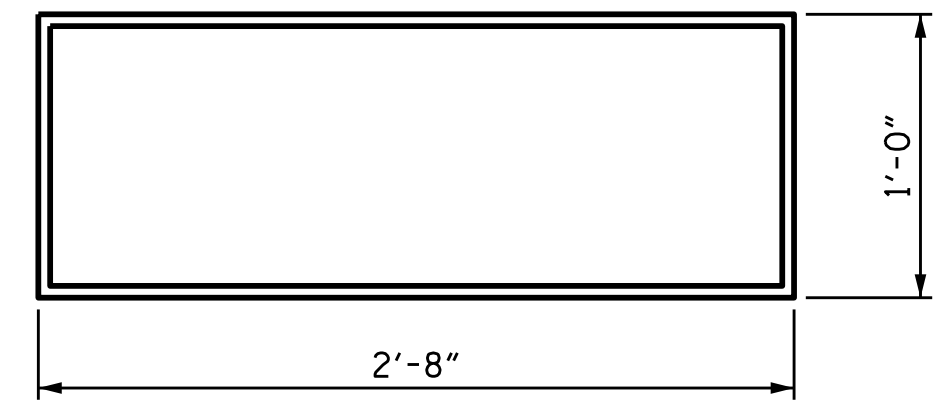


E1 (112 REQ'D)
PLAN VIEW OF ELASTOMERIC BEARING

TYPE S1



TYPICAL SECTION OF ELASTOMERIC BEARINGS



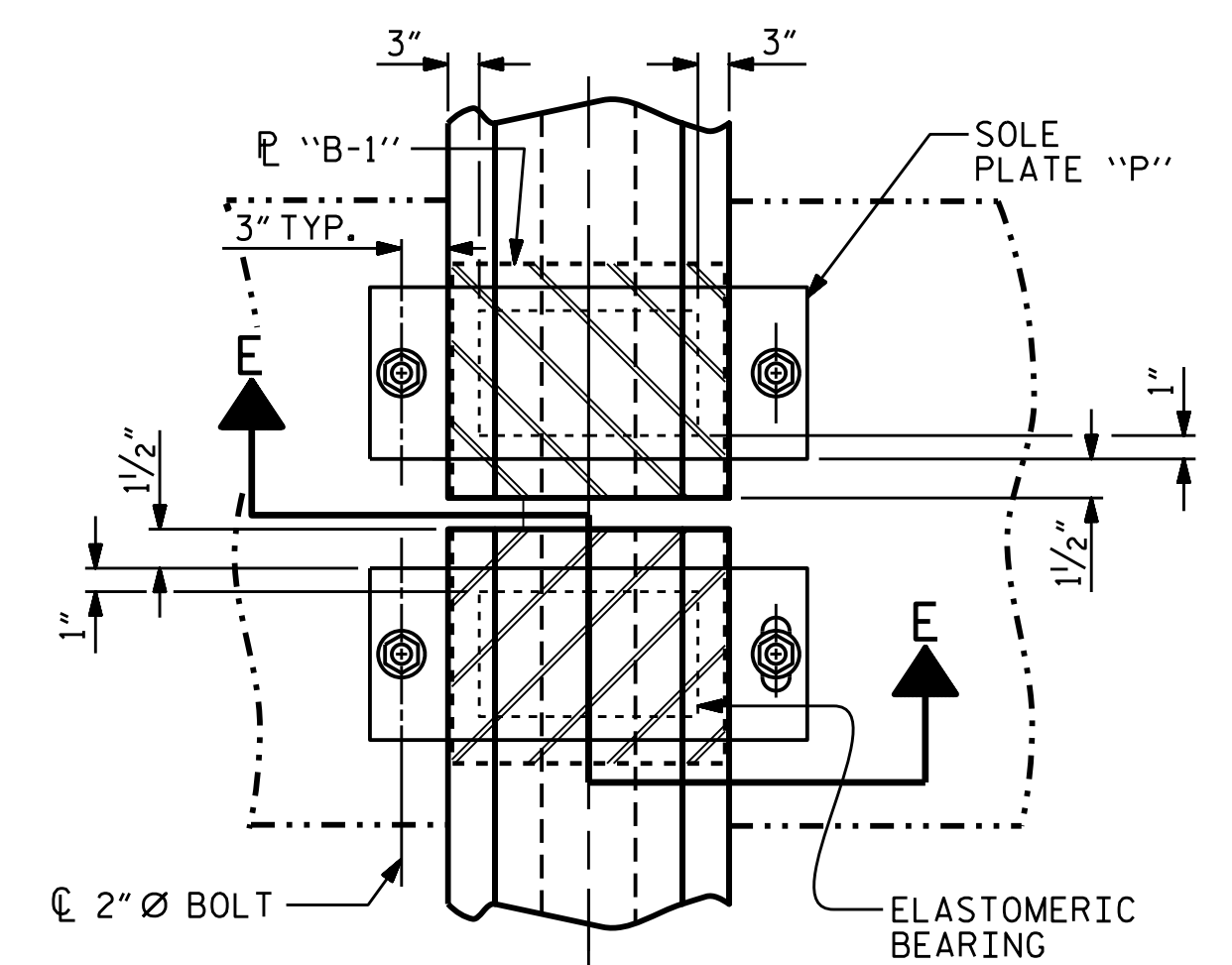
E2 (118 REQ'D)
PLAN VIEW OF ELASTOMERIC BEARING

TYPE S2

MAXIMUM ALLOWABLE SERVICE LOADS D.L.+L.L. (NO IMPACT)	
TYPE S1	475 K
TYPE S2	515 K

NOTES

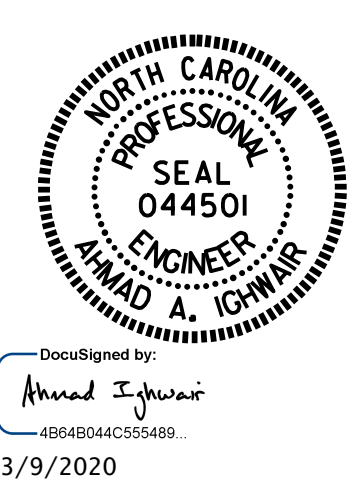
- AT ALL FIXED POINTS OF SUPPORT, NUTS FOR ANCHOR BOLTS ARE TO BE TIGHTENED FINGER TIGHT AND THEN BACKED OFF 1/2 TURN. THE THREAD OF THE NUT AND BOLT SHALL THEN BE BURRED WITH A SHARP POINTED TOOL.
- THE 2" Ø PIPE SLEEVE SHALL BE CUT FROM SCHEDULE 40 PVC PLASTIC PIPE. THE PVC PLASTIC PIPE SHALL MEET THE REQUIREMENTS OF ASTM D1785.
- STEEL SOLE PLATES, ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL.
- 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, WASHERS, AND PIPE SLEEVE SHALL BE INCLUDED IN THE PAY ITEM FOR PRESTRESSED CONCRETE GIRDERS.
- ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A193 B8M CLASS 2. SOLE PLATES SHALL MEET THE REQUIREMENTS OF ASTM A240 ALLOY 316L. NUTS SHALL MEET THE REQUIREMENTS OF ASTM A194 8M ALLOY 316. WASHERS SHALL MEET THE REQUIREMENTS OF ASTM A193 ALLOY 316. 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 HALF-PLAN (SHOWING CONTINUOUS BENT) TYPICAL HALF-PLAN (SHOWING SIMPLE SPAN BENT)

PROJECT NO. B-4863
CARTERET COUNTY
 STATION: 34+75.00 -L-

SHEET 1 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 ELASTOMERIC BEARING
 DETAILS
 CFRP F.I.B. PRESTRESSED
 CONCRETE GIRDER

DRAWN BY: B. N. BARODAWALA DATE: 12-19
 CHECKED BY: A. A. IGHWAIR DATE: 12-19
 DESIGN ENGINEER OF RECORD: A. A. IGHWAIR DATE: 12-19

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-096
1			3			TOTAL SHEETS
2			4			194