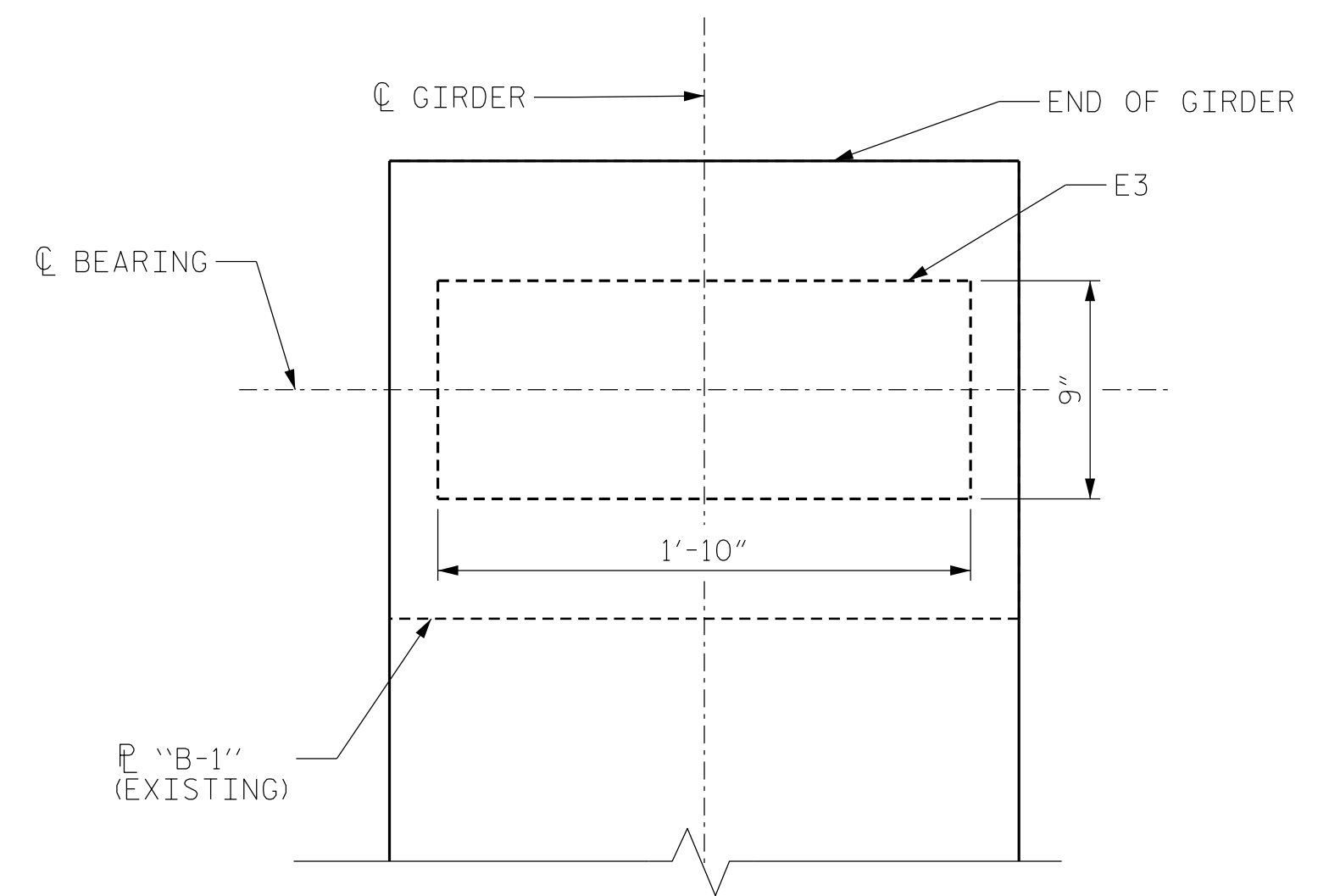
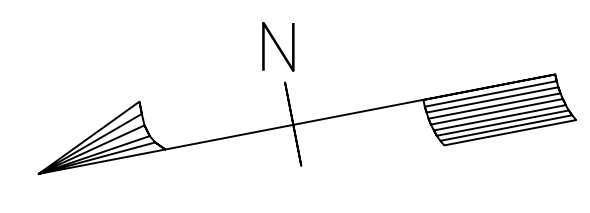


MAXIMUM ALLOWABLE SERVICE LOADS	
D.L.+L.L. (NO IMPACT)	
TYPE IV	225 k

NOTES:

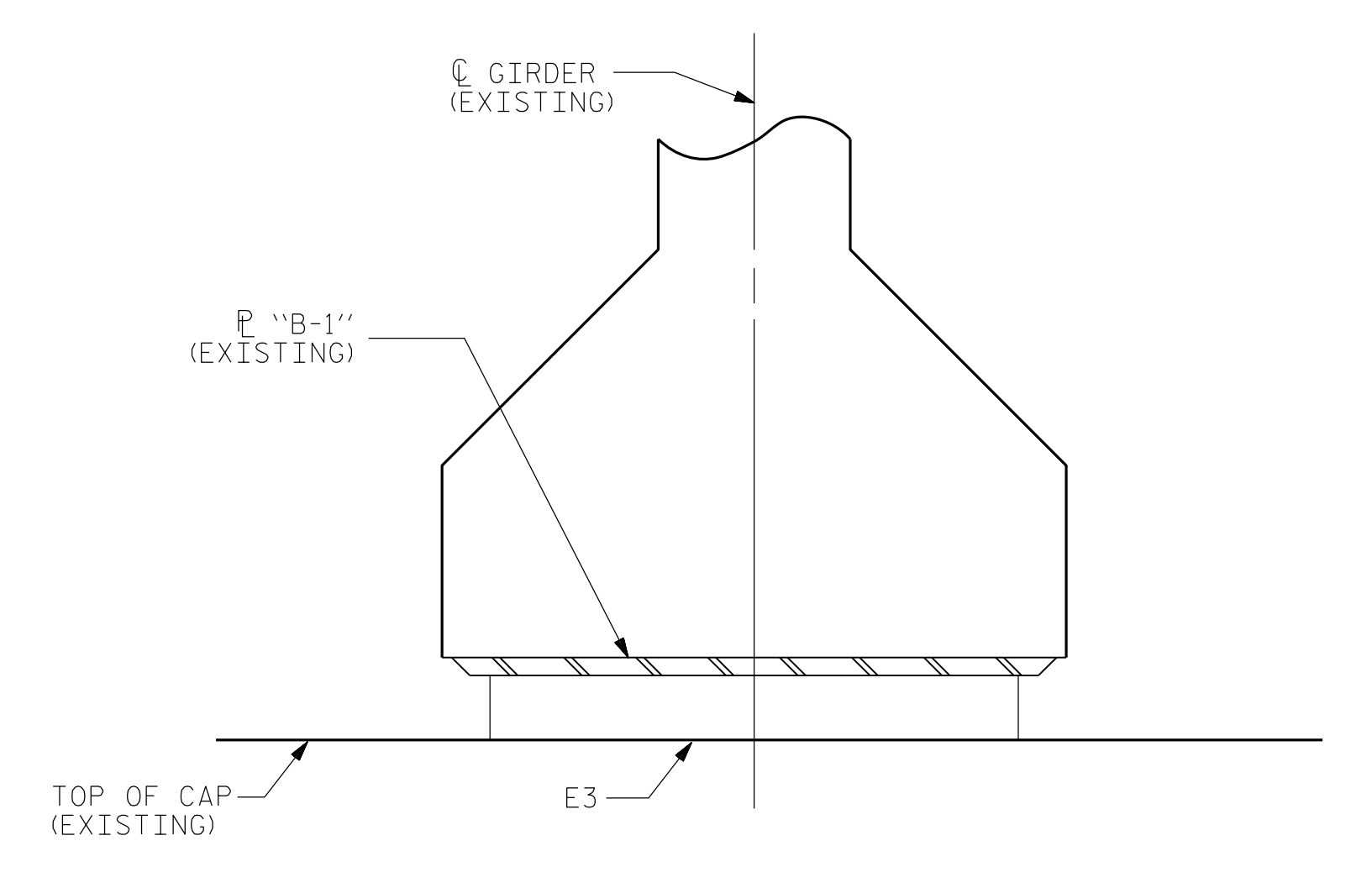
1. THE ELASTOMER IN THE STEEL REINFORCED BEARINGS SHALL HAVE A SHEAR MODULUS OF 0.160 KSI, IN ACCORDANCE WITH AASHTO M251.
2. FOR STEEL REINFORCED ELASTOMERIC BEARINGS, SEE STANDARD SPECIFICATIONS AND PROJECT SPECIAL PROVISIONS.
3. FOR BRIDGE JACKING, SEE JACKING DETAILS SHEET.

BEARING REPLACEMENT TABLE					
SPAN	BENT	BEARING	TYPE	"T"	ELASTOMER VOLUME (CU. IN.)
2	2	1	E3	2 ⁵ / ₁₆ "	458
2	2	5	E3	2 ⁵ / ₁₆ "	458
3	3	2	E3	2 ⁵ / ₁₆ "	458
18	18	1	E3	2 ⁵ / ₁₆ "	458
20	20	4	E3	2 ⁵ / ₁₆ "	458
20	20	5	E3	2 ⁵ / ₁₆ "	458

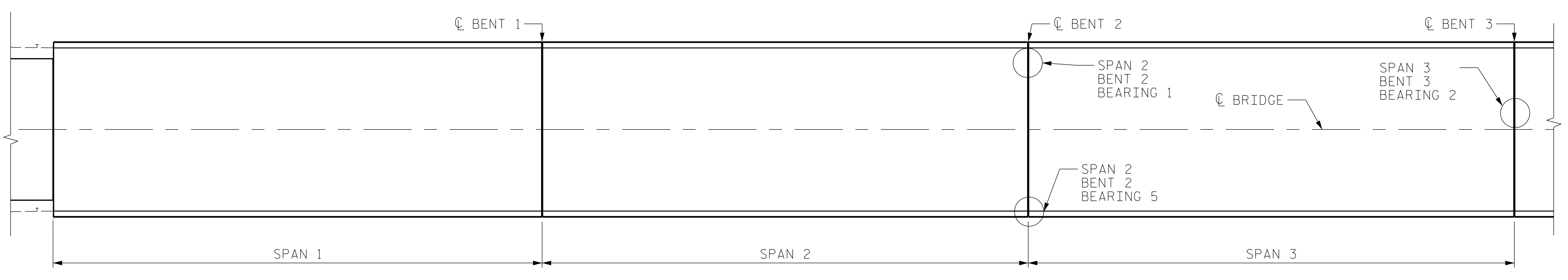


TYPICAL PLAN VIEW OF ELASTOMERIC BEARING

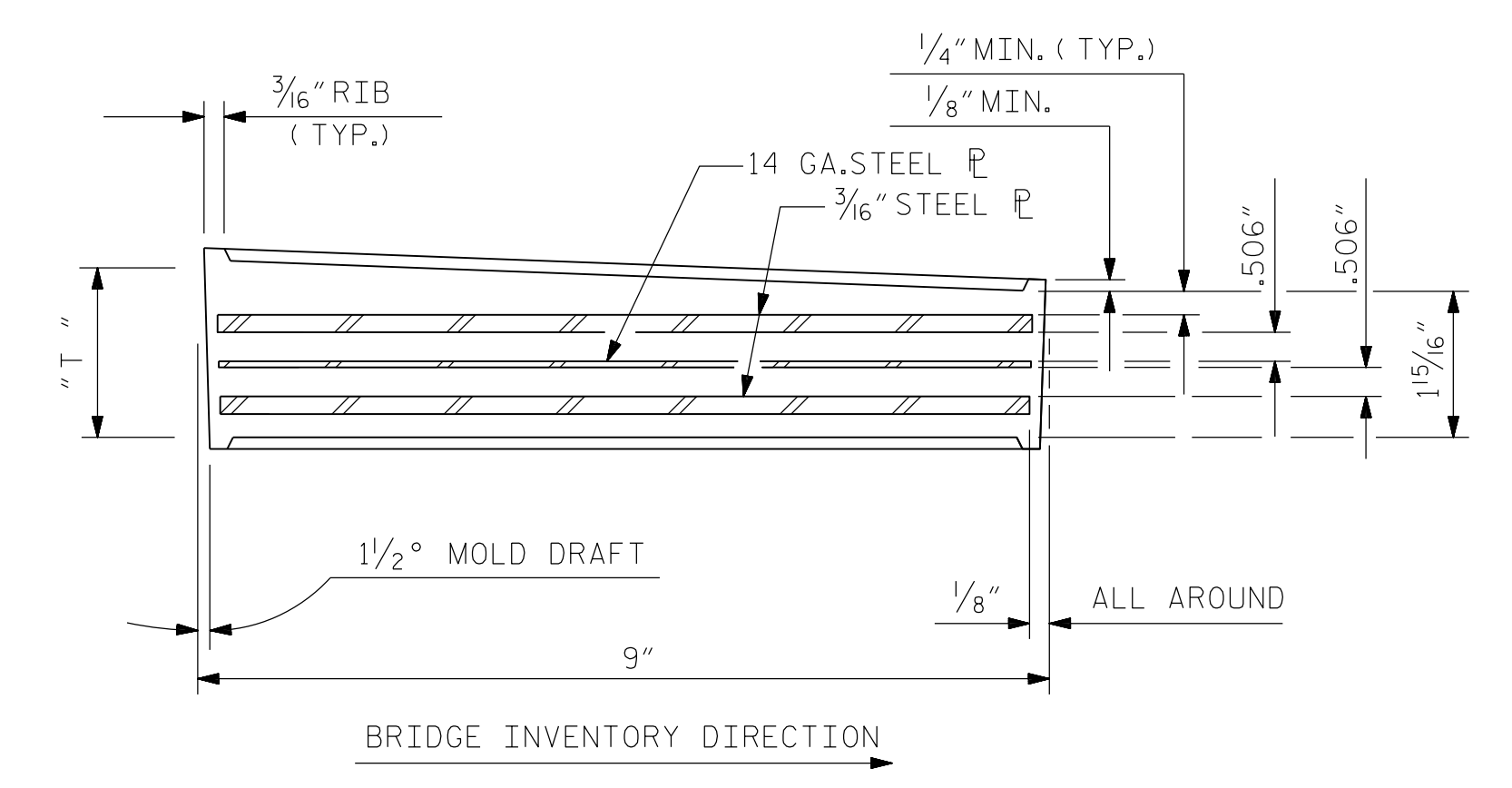
(CAP NOT SHOWN)
 SPAN 2, BENT 2, BRG. 1 (1 REQ'D)
 SPAN 2, BENT 2, BRG. 5 (1 REQ'D)
 SPAN 3, BENT 3, BRG. 2 (1 REQ'D)
 SPAN 18, BENT 18, BRG. 1 (1 REQ'D)
 SPAN 20, BENT 20, BRG. 4 (1 REQ'D)
 SPAN 20, BENT 20, BRG. 5 (1 REQ'D)



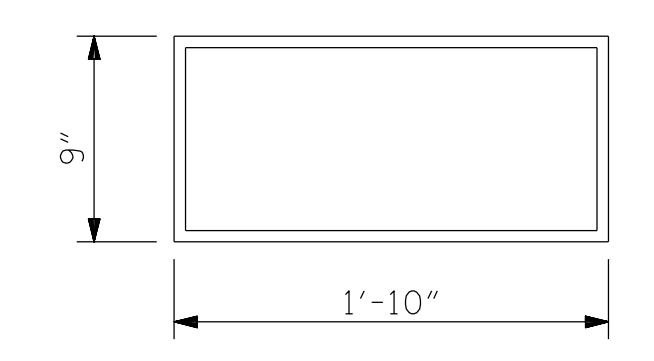
EXPANSION BEARINGS



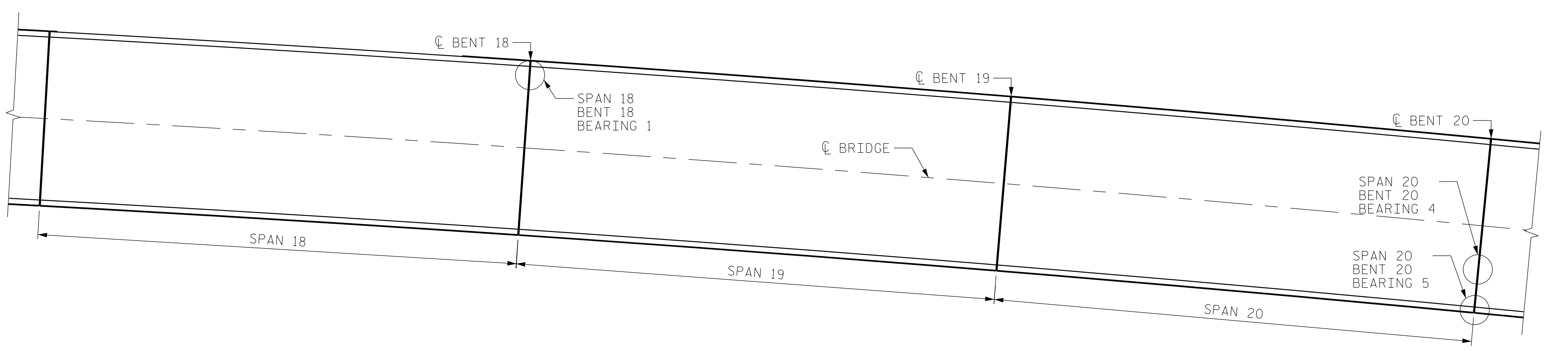
REPLACEMENT BEARING LOCATIONS
 (PLAN OF SPANS 1 THRU 3 AND 18 THRU 20)



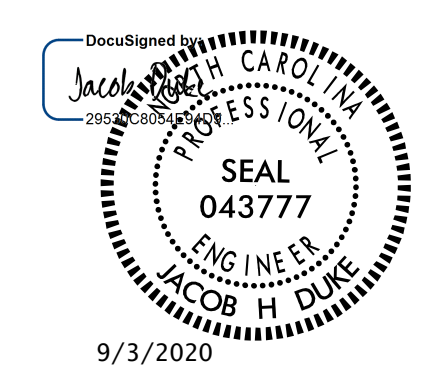
TYPICAL SECTION OF ELASTOMERIC BEARINGS



E3 (6 REQ'D)
 PLAN VIEW OF ELASTOMERIC BEARING
 TYPE IV (EXPANSION BEARING)



PROJECT NO. 15BPR.24
 BRUNSWICK COUNTY
 BRIDGE NO. 090013



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BEARING REPLACEMENT
 DETAILS

DRAWN BY : DIEGO A. AGUIRRE DATE : 10/2018
 CHECKED BY : JACOB H. DUKE DATE : 10/2018
 DESIGN ENGINEER OF RECORD : JACOB H. DUKE DATE : 10/2018

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

301 FAYETTEVILLE ST., SUITE 1500
 RALEIGH, NC 27601
 (919) 882-7839
 LICENSE #: C-1506

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-18
2			4			TOTAL SHEETS 45