

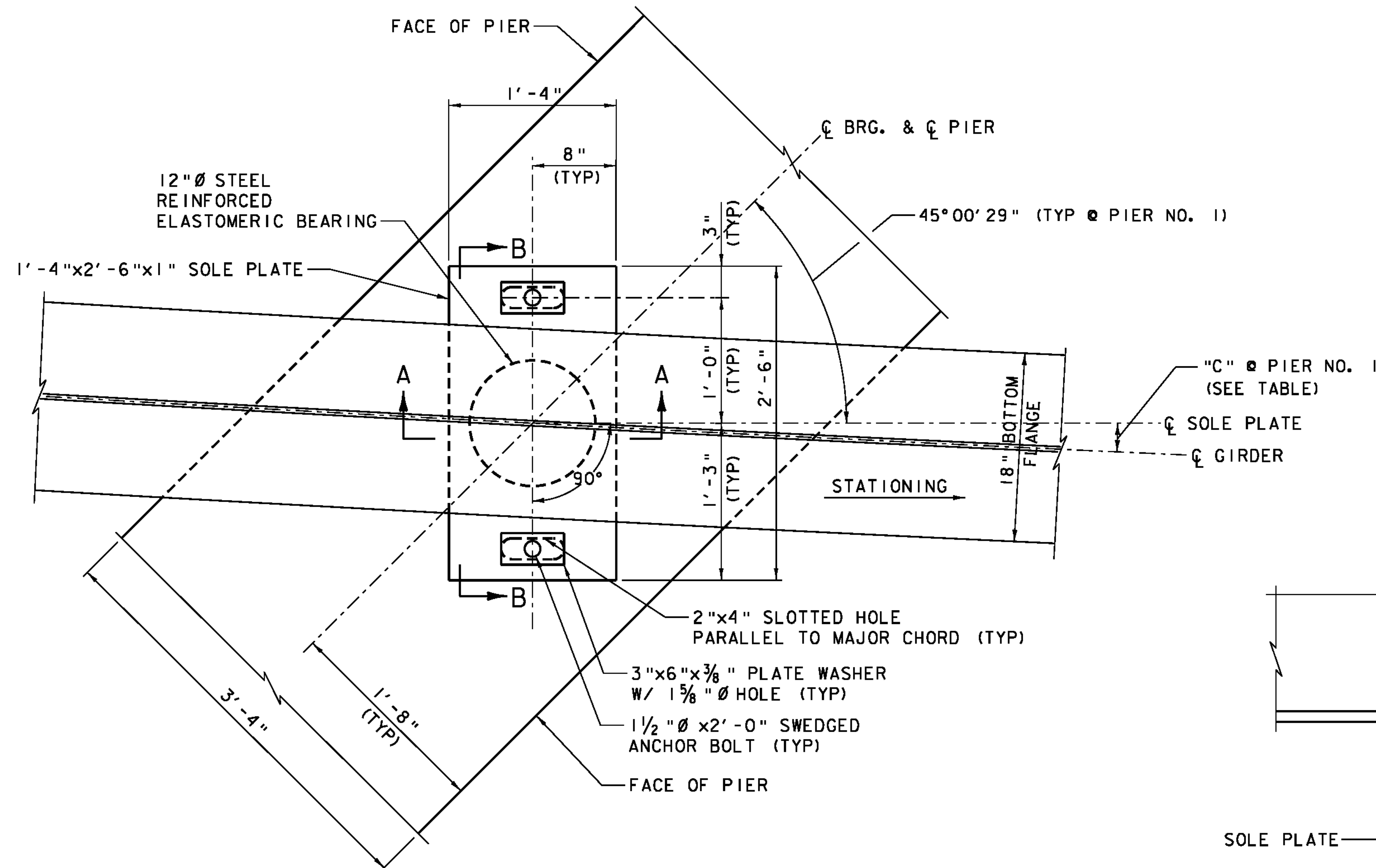
ALL MATERIALS AND FABRICATION SHALL BE PER SECTION 531 AND SECTION 731.

ALL BEARING DESIGNS SHALL BE PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 5TH EDITION AND IT'S LATEST REVISIONS.

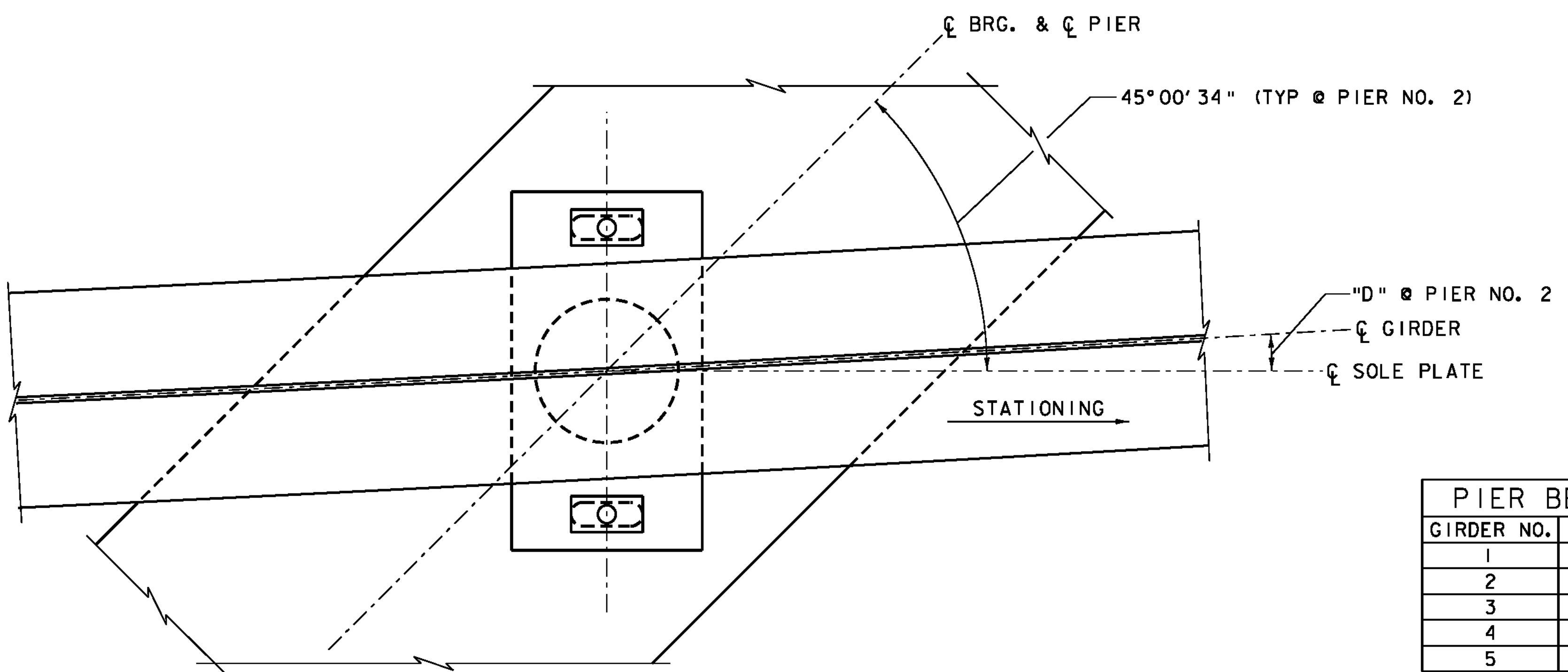
ELASTOMER SHALL BE NEOPRENE OR NATURAL VIRGIN RUBBER.

DESIGN CRITERIA: (AASHTO METHOD "B")

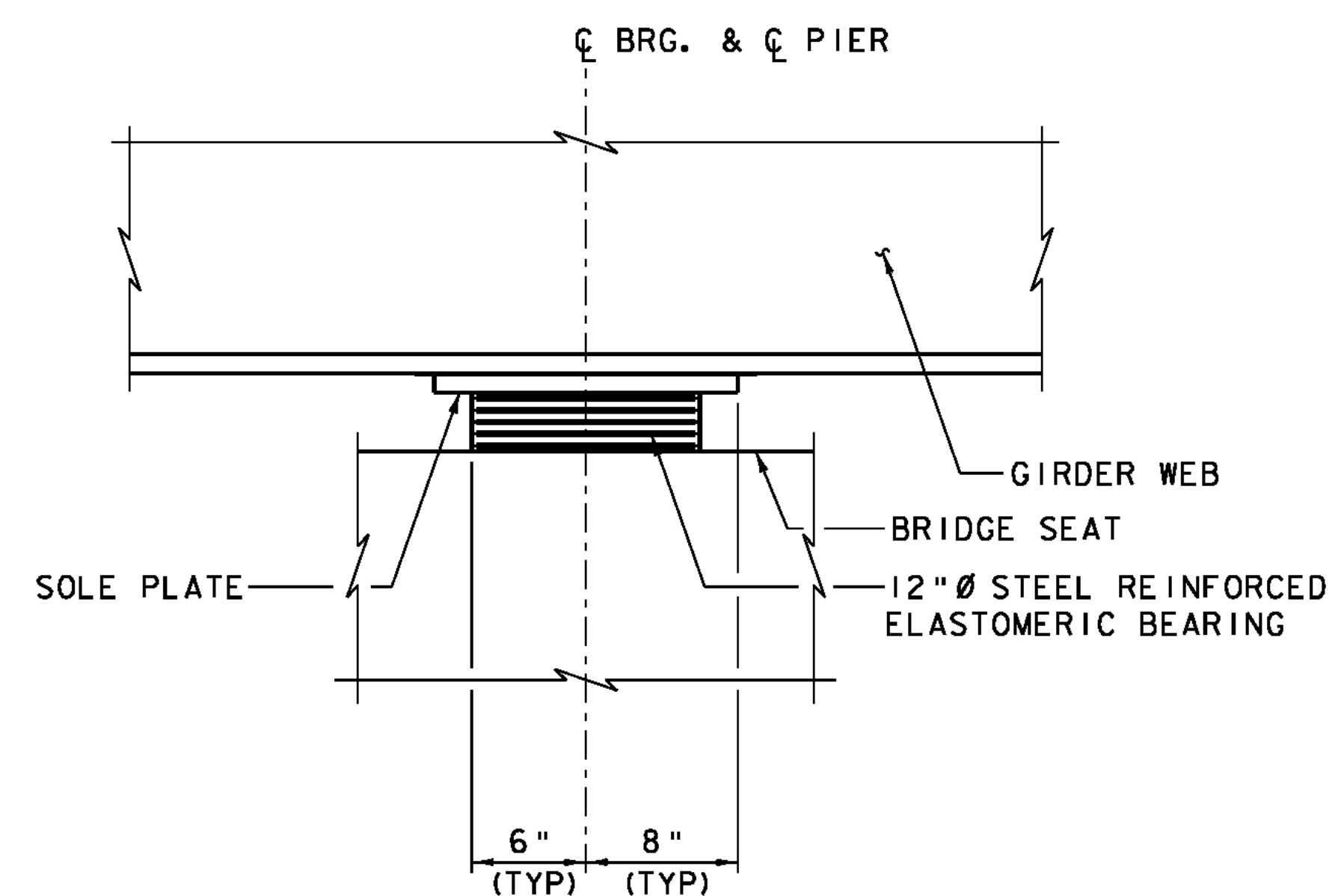
- A) TEMPERATURE RANGE: 150°F
- B) 60 DUROMETER ELASTOMER, TEMPERATURE GRADE 4
G_{max.} = 200 PSI
G_{min.} = 130 PSI
- C) MAXIMUM BEARING STRESS: 796 PSI
- D) DESIGN ROTATION FOR LIVE LOAD: 0.0031 RAD. AT ABUTMENTS
- E) MAX REACTION/BEAM:
DEAD LOAD: 32.6 K
LIVE LOAD: 57.5 K



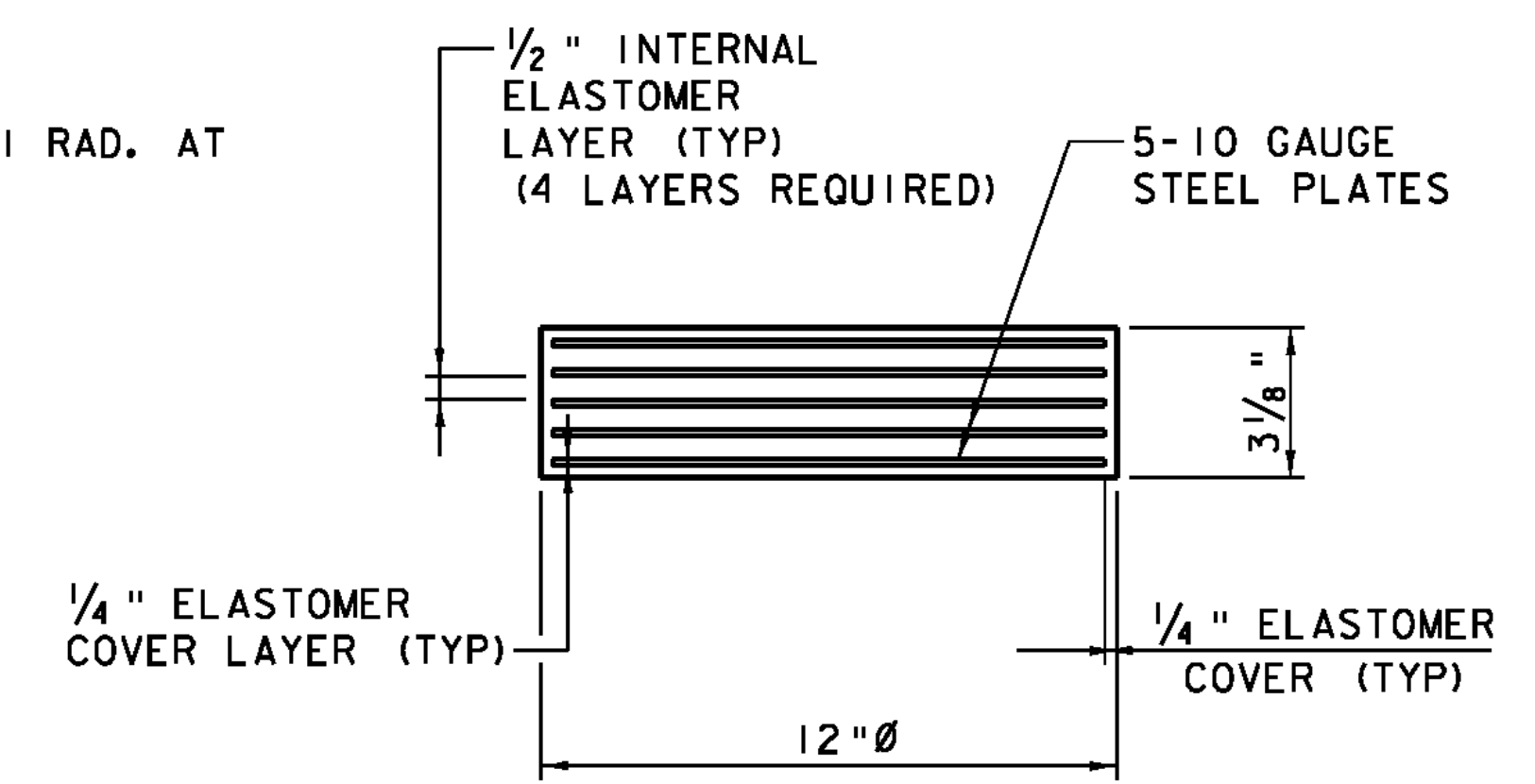
PIER EXPANSION BEARING PLAN
(PIER NO. 1 SHOWN, PIER NO. 2 SIMILAR EXCEPT AS SHOWN IN SUPPLEMENTAL PIER BEARING PLAN BELOW)
SCALE 1 1/2" = 1'-0"



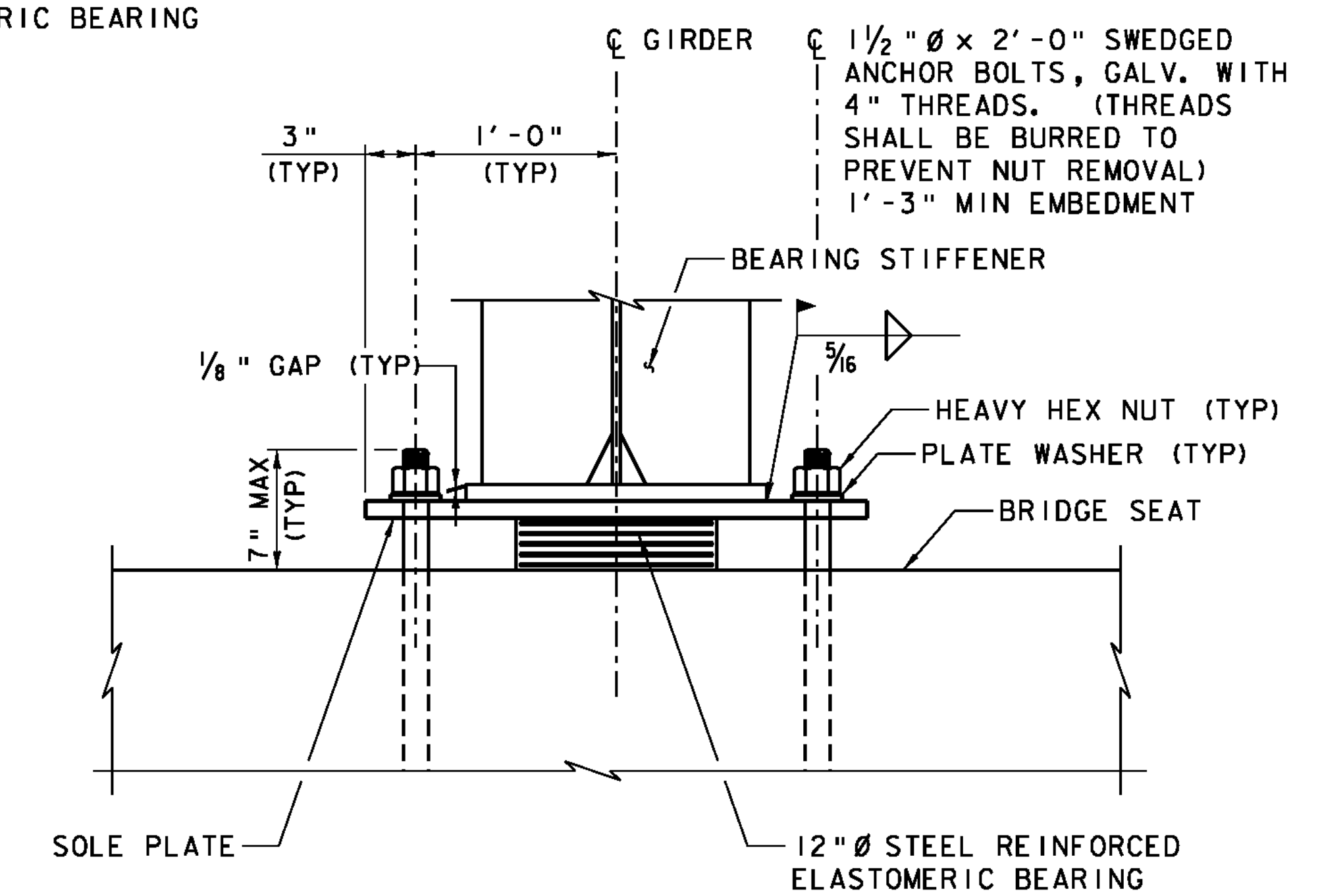
SUPPLEMENTAL PIER EXPANSION BEARING PLAN
(PIER NO. 2 SHOWN)
SCALE 1 1/2" = 1'-0"



SECTION A-A
SCALE 1 1/2" = 1'-0"



ELASTOMERIC BEARING PAD DETAIL
NOT TO SCALE



SECTION B-B
SCALE 1 1/2" = 1'-0"

PIER BEARING ALIGNMENT TABLE		
GIRDER NO.	"C" @ PIER NO. 1	"D" @ PIER NO. 2
1	2°07'54"	4°04'20"
2	2°33'59"	3°32'00"
3	2°59'28"	3°00'31"
4	3°24'22"	2°29'51"
5	3°48'43"	1°59'58"

PROJECT NAME: THETFORD
PROJECT NUMBER: BHF 0177(9)
FILE NAME: z08j174brg03.dgn
PROJECT LEADER: M.A. COLGAN
DESIGNED BY: G.S. GOODRICH
PIER BEARING DETAILS

PLOT DATE: 2/15/2012
DRAWN BY: B.M. KLINEFELTER
CHECKED BY: M.J. MOZER
SHEET 45 OF 78

