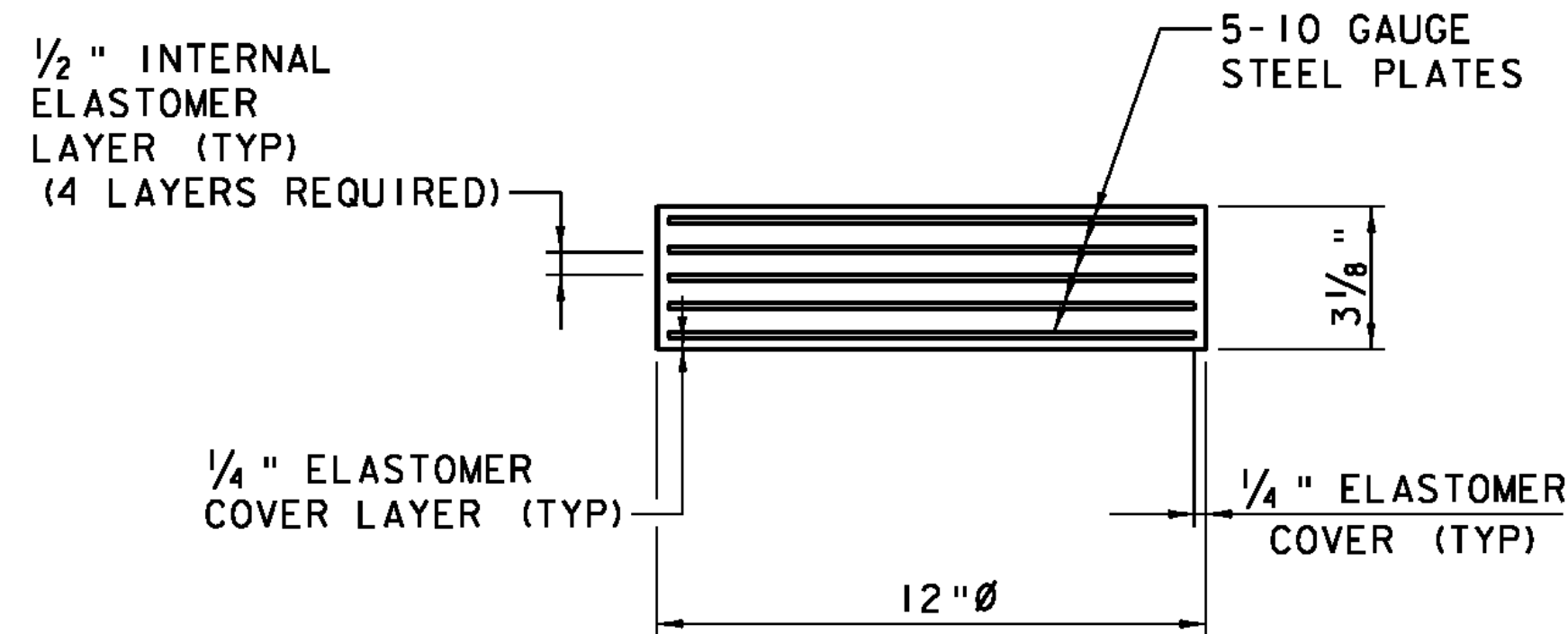


ABUTMENT NO. 2 EXPANSION BEARING PLAN  
SCALE 1/2" = 1'-0"



ELASTOMERIC BEARING PAD DETAIL  
NOT TO SCALE

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

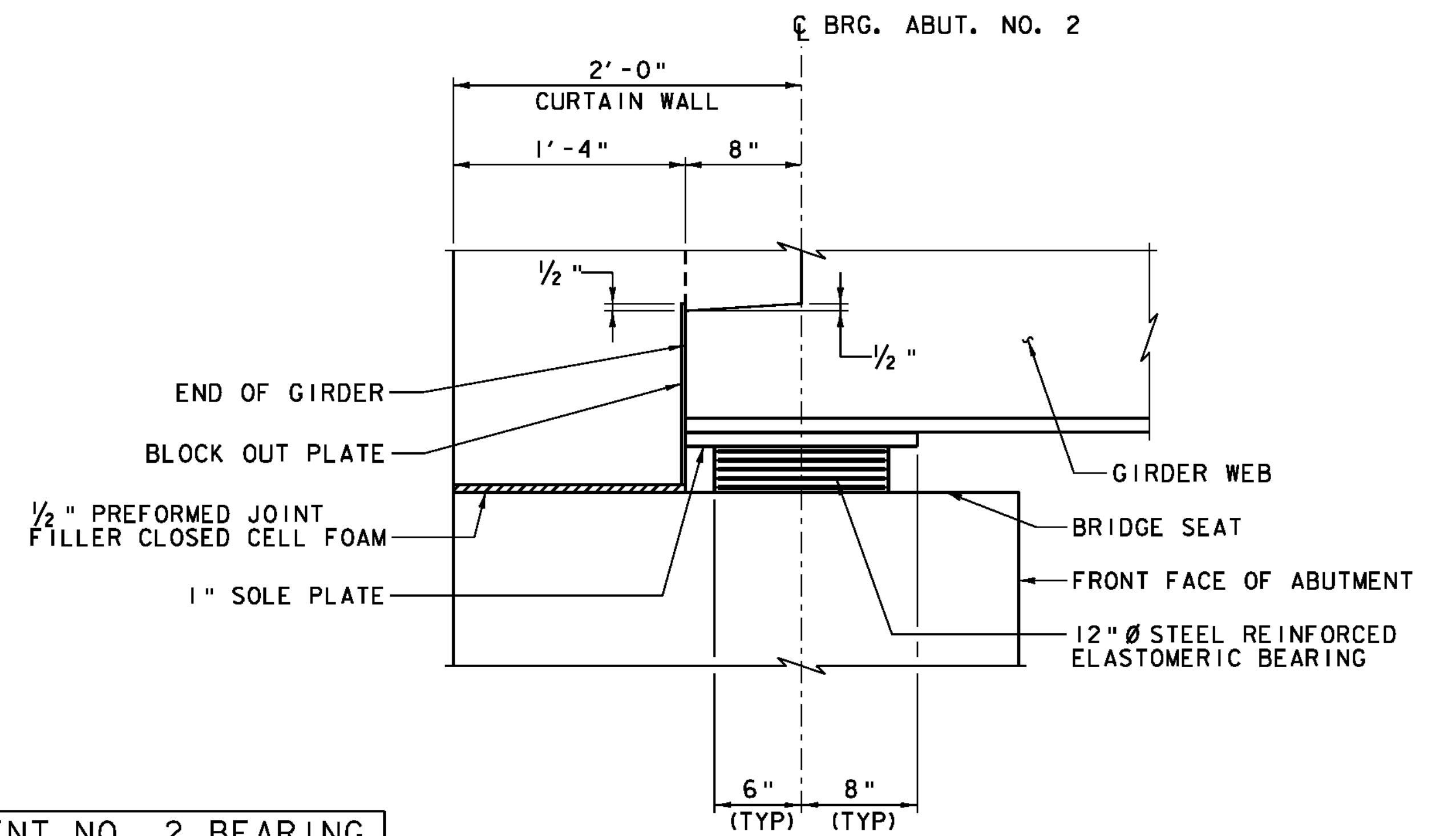
ALL BEARING DESIGNS SHALL BE PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 5TH EDITION AND IT'S LATEST REVISIONS.

ELASTOMER SHALL BE NEOPRENE OR NATURAL VIRGIN RUBBER.

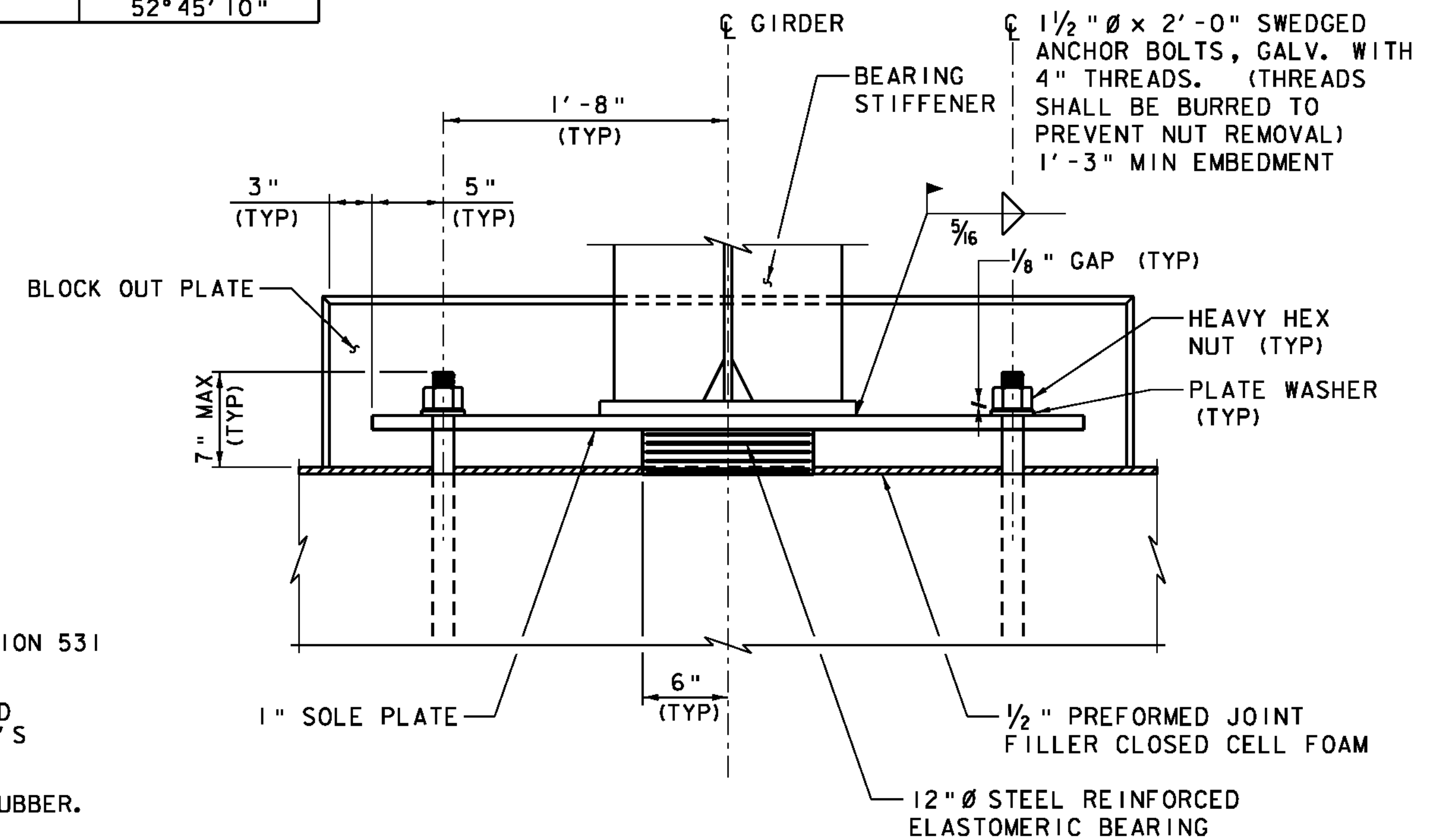
DESIGN CRITERIA: (AASHTO METHOD "B")

- A) TEMPERATURE RANGE: 150°F
- B) 60 DUROMETER ELASTOMER, TEMPERATURE GRADE 4  
G<sub>max.</sub> = 200 PSI  
G<sub>min.</sub> = 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

ABUTMENT NO. 2 BEARING ALIGNMENT TABLE	
GIRDER NO.	ANGLE "A"
1	55° 19' 22"
2	54° 38' 56"
3	53° 59' 49"
4	53° 21' 55"
5	52° 45' 10"



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



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

PROJECT NAME: THETFORD	PLOT DATE: 2/15/2012
PROJECT NUMBER: BHF 0177(9)	DRAWN BY: B.M. KLINEFELTER
FILE NAME: z08j174brg02.dgn	DESIGNED BY: G.S. GOODRICH
PROJECT LEADER: M.A. COLGAN	CHECKED BY: M.J. MOZER
ABUTMENT NO. 2 BEARING DETAILS	SHEET 44 OF 78