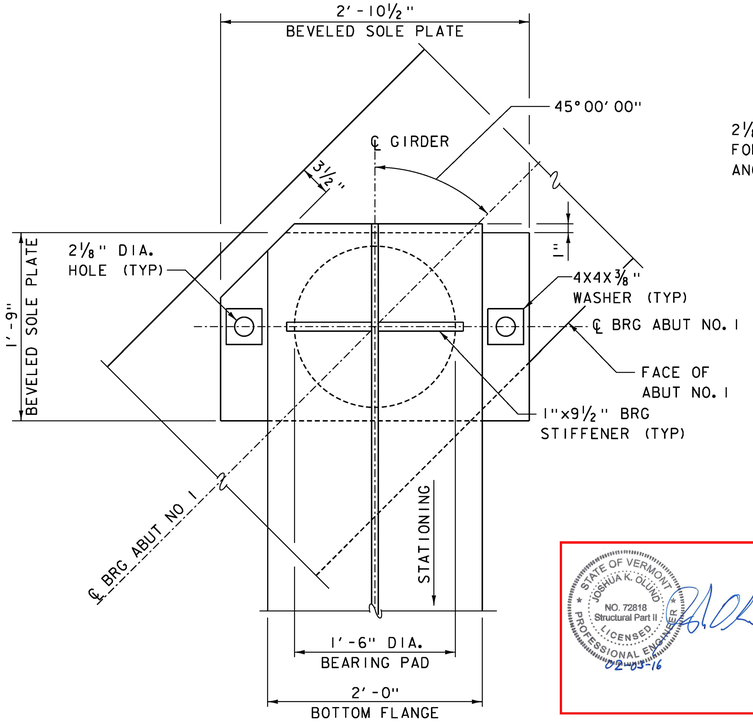
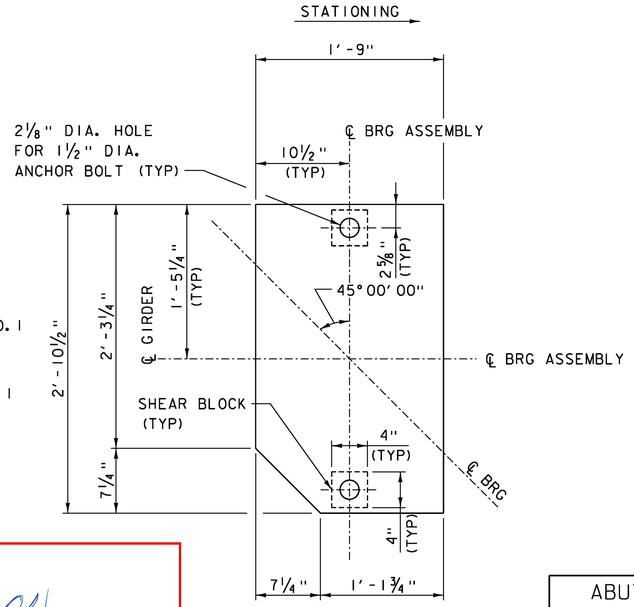


PLAN

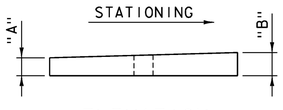
SCALE: 1½" = 1'-0"



PLAN

STAMP INIDCATES RESPONSIBILITY FOR REVISIONS TO THIS SHEET MARKED REVISION "VE".

REV	DATE	DESCRIPTION
VE	02/03/16	MODIFICATIONS FOR CHANGED DECK TYPE



ELEVATION

ABUTMENT NO. 1 BEVELED SOLE PLATE THICKNESS TABLE		
	"A"	"B"
G1	1 13/16"	2 3/16"
G2	2 3/16"	2 9/16"
G3	2 3/8"	2 5/8"
G4	1 7/8"	2 1/8"
G5	2 1/8"	2 3/8"

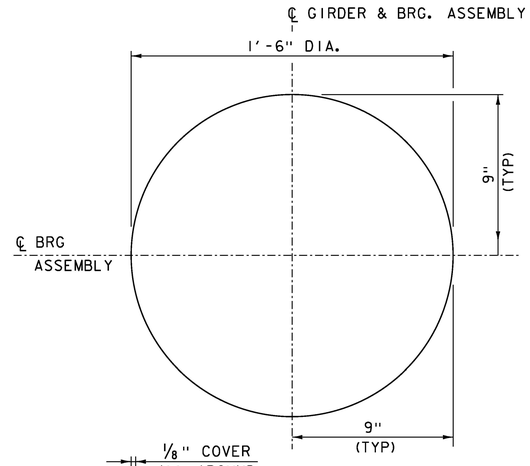
BEVELED SOLE PLATE

SCALE: 1½" = 1'-0"

BEARING NOTES:

1. BEARINGS SHALL CONFORM TO THE APPLICABLE SUBSECTIONS OF SECTIONS 531 AND 731.
2. ALL REINFORCEMENT BETWEEN LAYERS OF ELASTOMER SHALL BE STEEL MEETING THE REQUIREMENTS OF SUBSECTION 714.02. ALL INTERNAL STEEL SHEETS SHALL BE SAND BLASTED AND FREE OF COATINGS, RUST, AND MILL SCALE. THE PLATES SHALL BE FREE OF SHARP EDGES AND BURRS.
3. STEEL REINFORCED ELASTOMERIC BEARINGS SHALL HAVE A MINIMUM ⅛" EDGE SEAL OF ELASTOMER INTEGRAL WITH BEARING OVER ALL INTERNAL PLATES.
4. THE ELASTOMER SHALL BE GRADE 60 SHORE A DUROMETER.
5. THE ELASTOMER SHALL MEET THE REQUIREMENTS OF LOW TEMPERATURE ZONE D, GRADE 4.
6. DESIGN CRITERIA (AASHTO METHOD A):
   - DESIGN SHEAR MODULUS: 130 PSI TO 200 PSI
   - MAXIMUM BEARING STRESS: ~~1100 PSI~~ 1135 PSI
   - DESIGN DEAD LOAD (UNFACTORED): ~~140 KIPS~~ 148 KIPS
   - DESIGN LIVE LOAD (UNFACTORED): 140 KIPS
   - DESIGN LONGITUDINAL MOVEMENT: 1.57 IN (ABUTMENT 2)

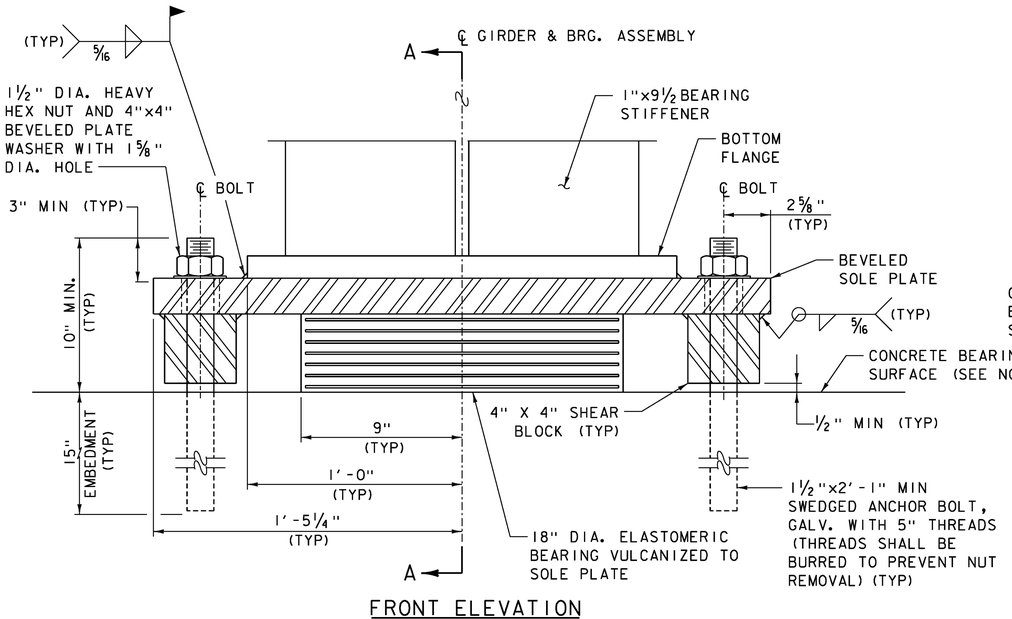
VE



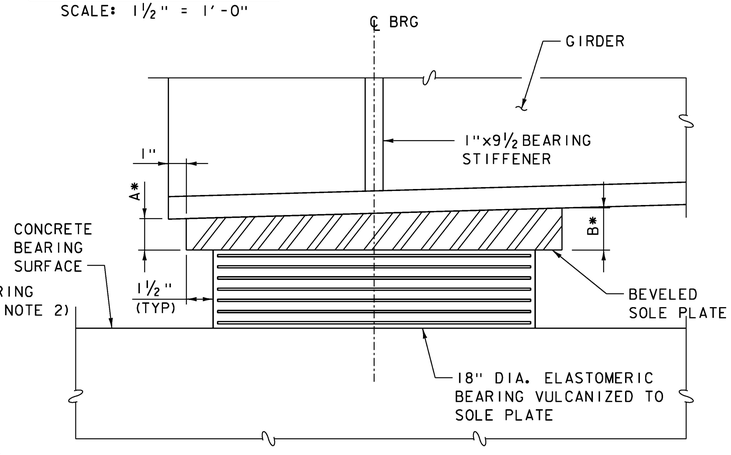
** 2 - ¼" EXTERIOR ELASTOMER LAYERS
6 - ½" INTERIOR ELASTOMER LAYERS
7 - ⅛" STEEL REINFORCING PLATES

ELASTOMERIC BEARING PAD DETAIL
(FIXED AND EXPANSION)

SCALE: 3" = 1'-0"



FRONT ELEVATION



SECTION A-A

ABUTMENT NO 1 - FIXED BEARING DETAILS

SCALE: 3" = 1'-0"

*SEE ABUTMENT NO. 1 BEVELED SOLE PLATE DIMENSIONS TABLE

McFarland Johnson

PROJECT NAME:	WAITSFIELD
PROJECT NUMBER:	BRF 013-4(39)
FILE NAME: zl2bl36brg.dgn	PLOT DATE: 8/24/2015
PROJECT LEADER: R.YOUNG	DRAWN BY: S.MERKWAN
DESIGNED BY: D.KULL	CHECKED BY: T.KENDRICK
BEARING DETAILS (1 OF 2)	SHEET 33 OF 69