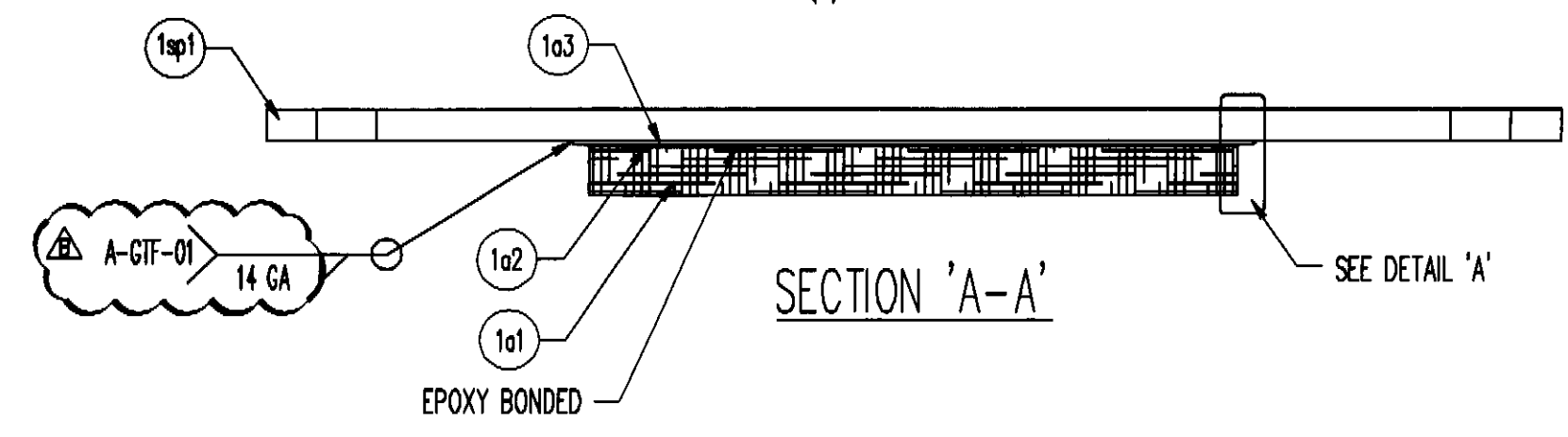
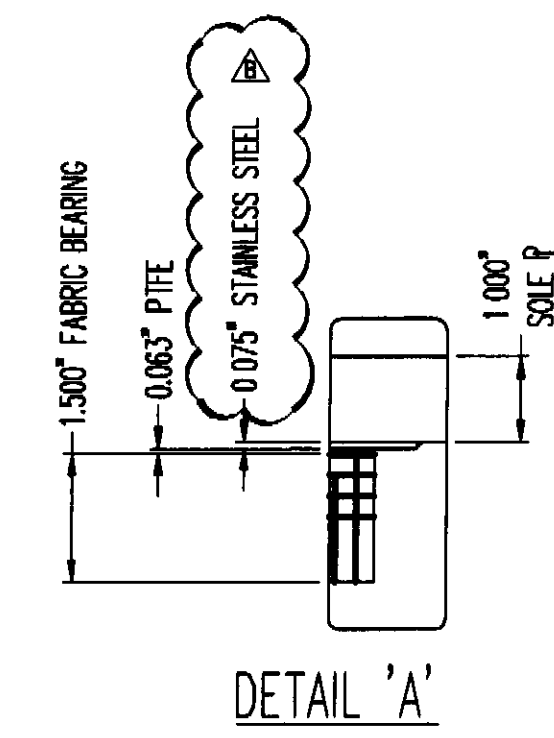


PLAN VIEW
EXP BEARING
(2) REQ'D ABUT 1

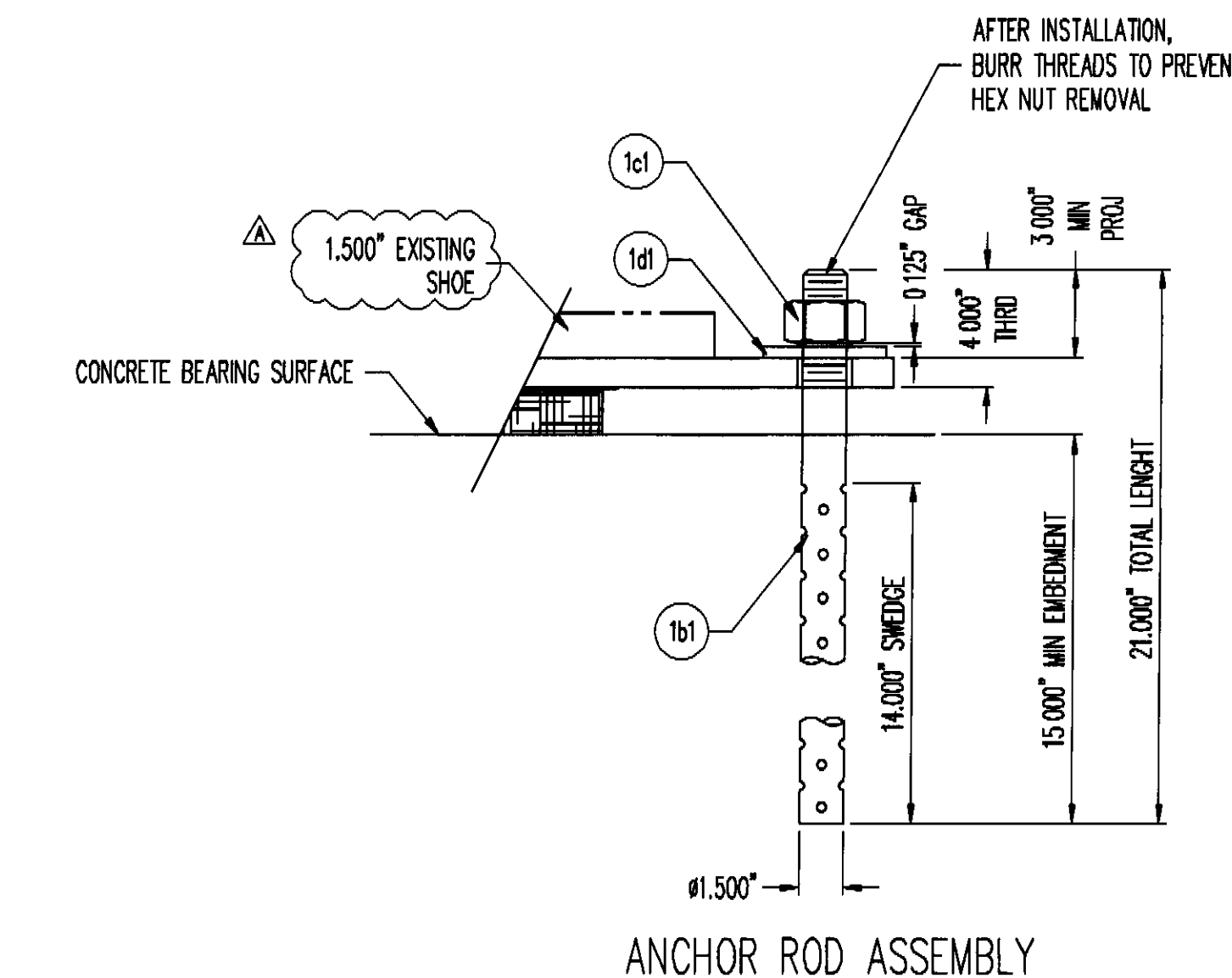
NOTE: SOLE PLATE AND EXISTING SHOE PLATE SHALL BE FIELD DRILLED, BY OTHERS



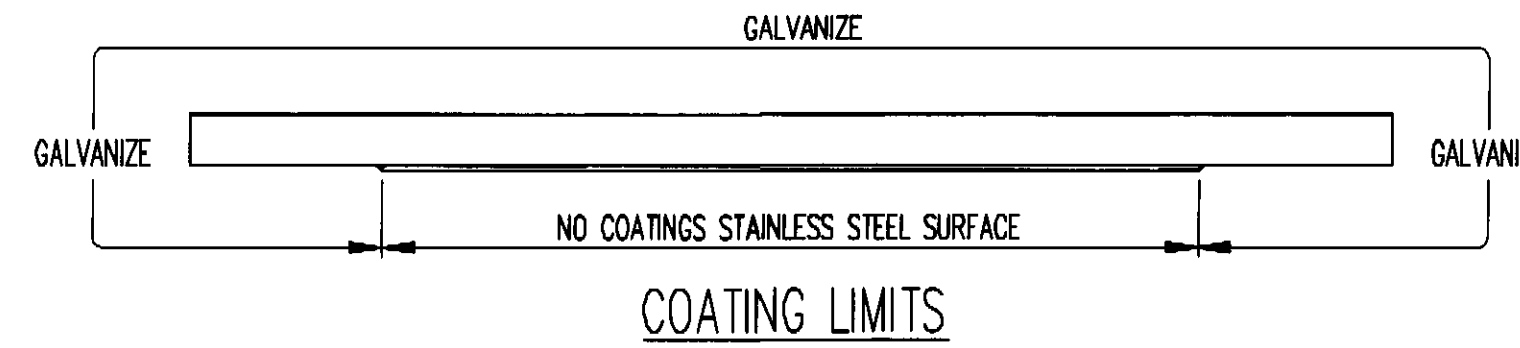
SECTION 'A-A'



DETAIL 'A'



ANCHOR ROD ASSEMBLY



COATING LIMITS

GENERAL NOTES

- MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2006 EDITION", SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS AND THE CONTRACT PLANS. GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION, WELDING AND ASSEMBLY SHALL BE GOVERNED BY ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.
- THIS SHOP DRAWING WAS PREPARED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS. THE D.S. BROWN COMPANY DOES NOT ACCEPT LIABILITY FOR THE DESIGN OF THE PRODUCTS DETAILED IN THIS SHOP DRAWING.
- THE D.S. BROWN COMPANY TO SUPPLY ONLY THE PARTS SHOWN ON THIS DRAWING.
- ALL STEEL SHALL BE PRODUCED IN THE UNITED STATES OF AMERICA.
- PTFE (TEFLON) SHALL BE VIRGIN, UNFILLED POLYTETRAFLUOROETHYLENE SATISFYING THE REQUIREMENTS OF ASTM D4894.
- PTFE IS TO BE PURCHASED ETCHED ON ONE SIDE FOR BONDING. THE BONDING PROCESS FOR LAMINATING PTFE TO THE FABRIC PAD IS AS FOLLOWS: THE FABRIC PAD SURFACE TO BE BONDED IS PREPARED FOR LAMINATION. A TWO-PART STRUCTURAL GRADE EPOXY IS THEN APPLIED PER THE MANUFACTURER'S INSTRUCTIONS. THE PTFE IS CUT SLIGHTLY OVERSIZE TO ACCOUNT FOR POSSIBLE DRIFT. THE PTFE IS THEN APPLIED TO THE FABRIC PAD AND PUT INTO A VACUUM PRESS AT THE APPROPRIATE PRESSURE FOR THE NECESSARY TIME PERIOD. ONCE THE FABRIC PAD AND PTFE IS REMOVED FROM THE PRESS, THE PTFE IS TRIMMED TO PLAN SIZE AND THE PADS ARE SUBMITTED FOR QUALITY CONTROL REVIEW.
- STAINLESS STEEL SHALL CONFORM TO ASTM A240 - TYPE 304 AND SHALL BE 14GA (0.075"). STAINLESS STEEL SLIDING SURFACES IN CONTACT WITH PTFE SHALL HAVE A NO. 8 MIRROR FINISH AND ALL OTHERS SHALL HAVE A 2B FINISH.
- D.S. BROWN MAY SUBSTITUTE A709 GR. 50 FOR A709 GR. 36 DUE TO AVAILABILITY AT NO ADDITIONAL COST TO THE OWNER OR CONTRACTOR.
- ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUNDED TO A 0.063" RADIUS FOR GALVANIZING.
- THE TEMPERATURE OF THE STEEL ADJACENT TO THE FABRIC PAD SHALL NOT EXCEED 300F (149C) AND 250F (121C) FOR SURFACES IN CONTACT WITH THE PTFE, WHERE APPLICABLE. TEMPERATURE SHALL BE CONTROLLED BY THE USE OF TEMPERATURE INDICATING CRAYON OR OTHER DEVICES APPROVED BY THE ENGINEERS.

MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	REV
1A	2	FABRIC BEARING				-
1a1	2	1.500" X 20.000"	VT 731 01	20.000"	AASHTO 18.4.9.1	-
1a2	2	0.063" X 20.000"	PTFE	20.000"	PURE VIRGIN UNFILLED	-
1a3	2	14 GA. X 21.000"	A240 1304, #8 & 2B	29.750"	PLAIN	B
1sp1	2	1.000" X 40.000"	A709 GR. 36 OR 50	30.000"	A123-HDG	-
1B	8	SWEDGED ANCHOR ROD				-
1b1	8	Ø1.500" X 21.000" SWEDGED ROD	A449		14" SWEDGE, 4" THRO; A153-HDG	-
1C	8	HEAVY HEX NUT				-
1c1	8	Ø1.500" HEX NUT	A563-DH OR A194-2H		DRY LUBE & DYE, A153-HDG	-
1D	8	WASHER PLATE				-
1d1	8	0.375" X 2.375"	A36	7.500"	1.563" Ø HOLE CENTERED, A123-HDG	-
1F	23	CONN BOLT			20 + 3 TESTING	-
1f1	23	Ø0.750" X 3.750" HEX HEAD STRUCTURAL BOLT	A325		A153-HDG	A
1G	23	HEX NUT			20 + 3 TESTING	-
1g1	23	Ø0.750" HEX NUT	A563-DH OR A194-2H		DRY LUBE & DYE, A123-HDG	-
1H	43	FLAT WASHER			40 + 3 TESTING	-
1h1	43	Ø0.750" FLAT WASHER	F436		A153-HDG	-
					2/17/2009 7:28:23 AM	

DESCRIPTION	TOLERANCE
SOLE PL. PLAN DIMENSIONS	±1/16"
SOLE PL. SURFACE FLATNESS	±0.01
SOLE PL. THICKNESS	±1/16"
HOLE LOCATION	±1/16"
PTFE THICKNESS	±1/16"
PTFE PLAN DIMENSION	±1/16"
STAINLESS STEEL SURFACE FLATNESS	±0.01
STAINLESS STEEL FINISH	≤20µ" RMS #8 MIRROR

CLASS	X NOM. DIM.
A	0.001
B	0.002
C	0.005

WINGS ARE REVIEWED UNLESS NOTED OTHERWISE

EXCEPTION TAKEN

1. AS NOTED

2. PERMISSION NOT REQUIRED

3. REVISE AS NOTED

4. PERMISSION REQUIRED

REJECTED

DATE: 2/18/09

SIGNATURE: [Signature]

REVIEW BY STANTEC IS FOR THE SOLE PURPOSE OF ASCERTAINING GENERAL CONFORMITY WITH DESIGN. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS, FABRICATION AND CONSTRUCTION METHODS. COORDINATION OF SUB-TOLERANCES, DETAIL DESIGN OF COMPONENTS, AND ERRORS OR OMISSIONS ON SHOP DRAWINGS.

LOAD DATA	25596-1106-1
DESIGN LOAD (kips)	360.0

PROTECTIVE COATING NOTES:

- ALL STRUCTURAL STEEL SURFACES TO BE GALVANIZED SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP10.
- ALL EXTERNAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123. GALVANIZING LIFTING DEVICES MAY BE WELDED TO PARTS IF NECESSARY. WHEN THEIR USE IS COMPLETE, REMOVE AND GRIND FLUSH ALL CONNECTION LOCATIONS. REPAIR ALL GALVANIZATION IN ACCORDANCE WITH ASTM A780. GALVANIZING REPAIR PAINTS CONTAINING ALUMINUM SHALL NOT BE USED ON SURFACES TO BE IN CONTACT WITH FRESH CONCRETE.
- SEE GALVANIZING LIMIT DETAILS.

REV	DESCRIPTION	DATE	DET	CKD
1	REVISE STAINLESS STEEL BOM	2/17/09	SP	NRA
2	REVISED SHOE PLATE THICKNESS AND CONN BOLT LENGTH	02/12/09	SP	NRA

D.S. BROWN

THE D.S. BROWN COMPANY
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NORTH BALTIMORE, OHIO 45872
419 257 3561
FAX 419 257 0332
WWW.DSBROWN.COM

LOCATION — TOWN HIGHWAY #1 OVER WINOOSKI RIVER	ITEM	QUANTITY
BRIDGE — 31	25598-1106-1	2 OF 2
PROJECT — BHF 0209(5)		
P.O. NO — 08126000002012		
DESIGNER — STANTEC		
CUSTOMER — STATE OF VERMONT		
DESCRIPTION: VERSIFLEX PREFORMED FABRIC BEARING CHITTENDEN CO., VT	SCALE: N.T.S.	DATE: 2/09
PROJECT NUMBER: 25598	PRODUCT CODE: 1106	RELEASE: 1
		SHEET: 1