



S.D. Ireland Companies
Precast Division



193 Industrial Ave. Williston, VT 05495
 P.O. Box 2286 South Burlington, VT 05407
 p: 802-863-6222 f: 802-860-1528
www.sdireland.com

Attention: Ted Luck
 Company: Luck Brothers
 Address: _____
 City, St, Zip: _____
 Ph: / Fax: _____

Date: 4/22/2014
 Job Name: Warren BRF 013-4(32)
 Job Number: SDI #14046
 Regarding: Abutment Leveling Plates and Support Bolt submittal

WE ARE SENDING: Quote Details Other: _____
 Prints Plans Specifications
 Copy Of Letter Change Order Samples Revised Submittals

Copies	Date	Pages	Description
1	4/22/2014	1	Transmittal Cover
1	4/22/2014	1	Fabrication drawing

These Are Submitted as Checked Below:

For Approval Approved as Submitted Resubmit __ Copies for Approval
 For Your Use Approved as Noted Submit__ Copies for Distribution
 As Requested Returned for Corrections Return __ Corrected Prints
 For Review and Comment Prints Returned After Loan to Us
 For Bids Due: _____ Other: _____

Notes/Remarks:

Please submit for review and approval asap to allow release for fabrication.

Thank you.
Matt@sdireland.com
 Tim Dudley for Matt Wheeler 802-863-6222 ext 253
tdudley@sdireland.com

Copy To: _____

Signed: _____

If enclosures are not as noted, kindly notify us at once.

GENERAL NOTES:

1. MATERIALS SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011 AND THE LATEST REVISIONS, INCLUDING SUPPLEMENTARY SPECIFICATIONS, CONTRACT PLANS, AND THE SPECIAL PROVISIONS. GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION AND ASSEMBLY SHALL BE GOVERNED BY ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.
2. 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.
3. THE D.S. BROWN COMPANY TO SUPPLY ONLY THE PARTS SHOWN ON THIS DRAWING.
4. ALL STEEL SHALL BE PRODUCED IN THE UNITED STATES OF AMERICA.
5. ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUND TO A 1/16" RADIUS FOR GALVANIZING.
6. ALL EXTERNAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M111 (ASTM 123) SPECIFICATIONS. IN ACCORDANCE WITH SECTION 726.08 OF THE STANDARD SPECIFICATIONS, REPAIR DAMAGED HOT DIPPED GALVANIZING PER ASTM A780, ANNEX A2. THE PAINT USED IN THE REPAIR SHALL BE ORGANIC-ZINC, CONTAINING 92% MINIMUM ZINC BY WEIGHT IN THE DRY FILM. THE PAINT SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS TO A THICKNESS EQUIVALENT TO THE SURROUNDING GALVANIZING.
7. GALVANIZATION LIFTING DEVICES MAY BE WELDED TO PARTS IF NECESSARY. WHEN THEIR USE IS COMPLETE, REMOVE AND GRIND FLUSH ALL CONNECTION LOCATIONS. REPAIR AREA PER ASTM A780, ANNEX A2.
8. THE DS BROWN COMPANY MAY SUBSTITUTE A709 GR 50W (A588) FOR A709 GR 50 (A572) DUE TO AVAILABILITY AT NO ADDITIONAL COST TO EITHER THE CONTRACTOR OR OWNER.
9. GREASE, AS DESCRIBED IN THE CONTRACT PLANS, SHALL BE APPLIED BY OTHERS.

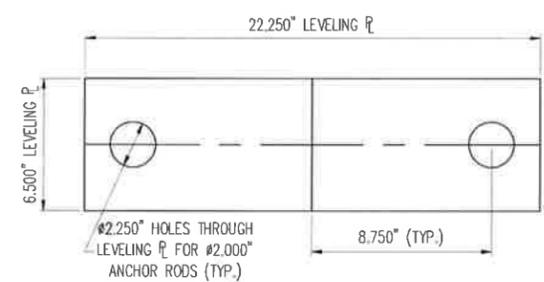
MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
1A	16	LEVELING PLATES				72	
1p1	16	1.750" X 22.250"	M270 GR 50 OR 50W (A709)	6.500"	M111-HDG (A123)	72	
1B	32	SWEDGED ROD				25	
1ar1	32	Ø2.000" X 28.000" SWEDGED ROD	M314 GR 55 (F1554)		11" SWEDGED, 12" THRD; M232-HDG (A153)	25	
1C	96	HEX NUTS				3	
1hn1	96	Ø2.000" HEX NUT	M291-A OR DH (A563 GR A OR GR DH)		DRY LUBE & DYE; M232-HDG (A153)	3	
		*Approx. Gross Wt. Lbs Per Single Unit				4/22/14 9:20:16 AM	

Plate Washer Required Grade 105

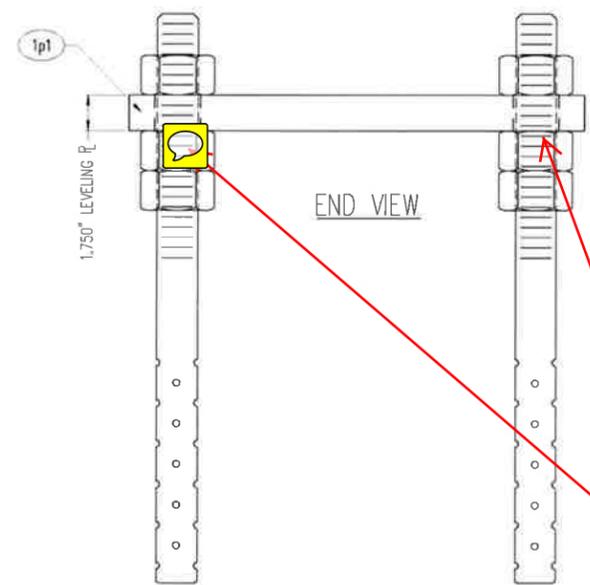
TOLERANCE TABLE	
DESCRIPTION	TOLERANCE (INCHES U.N.O.)
STEEL PLATE THICKNESS	±1/16
STEEL PLATE PLAN DIMENSIONS ≤ 30"	±1/16
STEEL PLATE PLAN DIMENSIONS > 30"	±1/16
STEEL PLATE FLATNESS	CLASS B *
ANCHOR HOLE OR SLOT SIZE	±1/8
ANCHOR HOLE OR SLOT LOCATION	±1/8

* PRIOR TO GALVANIZATION

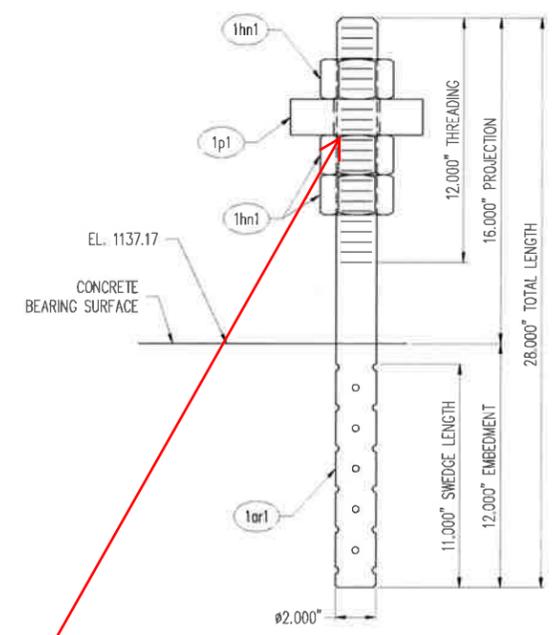
FLATNESS TOLERANCE	
CLASS	X NOM. DIM.
A	0.001
B	0.002
C	0.005



PLAN VIEW
LEVELING PLATE
(8) REQ'D @ ABUTMENT 1
(8) REQ'D @ ABUTMENT 2
(16) REQ'D TOTAL



END VIEW



ANCHOR ROD DETAIL
(16) REQ'D @ ABUTMENT 1
(16) REQ'D @ ABUTMENT 2
(32) REQ'D TOTAL

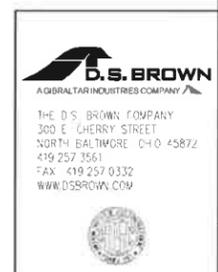
Plate Washer Required

Vermont Agency of Transportation
RECEIVED
CK'D BY: OK'D BY Rob Young
April 22, 2014
RESUBMIT Yes Rejected
By Rob Young DATE 05/07/2014

Approved
X Rejected
Approved As Noted

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.

Date: 5/6/2014
By: D. Kull



REV	DESCRIPTION	DATE	DET	CKD
	LOCATION — VT ROUTE 100			
	BRIDGE — 166		43335-1107-1	16 OF 16
	PROJECT — BRF 013-4 (321)			
	P.O. NO. — 14046			
	DESIGNER — McFARLAND JOHNSON			
	CUSTOMER — S D IRELAND CONCRETE			
	SCALE: N.T.S.	DATE: 4/14		
	PROJECT NUMBER: 43335	PROJECT CODE: 1107		1