

**GENERAL NOTES**

1. MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2006 EDITION", INCLUDING ITS LATEST REVISIONS, THE SPECIAL PROVISIONS, THE CONTRACT PLANS AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 2002 AND ITS LATEST REVISIONS. GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION, WELDING AND ASSEMBLY SHALL BE GOVERNED BY ANS/AASHTO/AWS D1.5 BRIDGE WELDING CODE.
2. THESE SHOP DRAWINGS WERE 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 THESE SHOP DRAWINGS.
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. PTFE (TEFLON) SHALL BE VIRGIN, UNFILLED POLYTETRAFLUOROETHYLENE SATISFYING THE REQUIREMENTS OF ASTM D4894.
6. 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 MANUFACTURE'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.
7. STAINLESS STEEL SHALL CONFORM TO ASTM A240 - TYPE 304 AND SHALL BE 11GA. (0.12"). STAINLESS STEEL SLIDING SURFACES IN CONTACT WITH PTFE SHALL HAVE A NO. 8 MIRROR FINISH AND ALL OTHERS SHALL HAVE A 2B FINISH.
8. ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUND TO A 1/16" RADIUS FOR GALVANIZING.
9. THE TEMPERATURE OF THE STEEL SHALL NOT EXCEED 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.

**PROTECTIVE COATING NOTES:**

1. ALL EXTERNAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123. GALVANIZATION 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.
2. ALL SURFACES DAMAGED BY FIELD WELDING OR HANDLING SHALL BE REPAIRED IN CONFORMANCE WITH SUBSECTION 513.06 (f).

TOLERANCE TABLE	
SOLE PL. PLAN DIMENSIONS	± 1/16'
SOLE PL. THICKNESS	± 1/16'
HOLE LOCATION	± 1/16'
PTFE THICKNESS	± 1/16'
PTFE PLAN DIMENSION, TOTAL DESIGN AREA	± 1/16'
STAINLESS STEEL FINISH	≤ 20 μ RMS #8 MIRROR

10 μ" ACCORDING TO  
VIRGIN SPEC 731.057

**TOLERANCE NOTES**

BEARING SURFACES SHALL BE FLAT WITH A MAXIMUM PERMISSIBLE VARIATION OF 0.01" FROM A PLANE DETERMINED BY ANY THREE CORNERS OF THE PLATE.


FOR STAINLESS STEEL MATING TO PTFE BONDED TO FABRIC BEARING PAD MATERIAL THE TOLERANCE SHALL BE 0.01" FROM A PLANE DETERMINED BY ANY THREE CORNERS OF THE PLATE.

Accepted	<input checked="" type="checkbox"/>
Accepted as Noted	<input type="checkbox"/>
Accepted Noted Resubmit	<input type="checkbox"/>
Rejected - Revise Resubmit	<input type="checkbox"/>
Rejected - Unacceptable	<input type="checkbox"/>

Checking is only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. The Engineer assumes no liability for errors or omissions that may be contained herein. The Contractor, by approving and submitting these documents, verifies their accuracy as stipulated on the Contractor's Shop Drawing Stamp.


Date: 5/22/09 By: *[Signature]*

REV.	DESCRIPTION	DATE	DET.	CKD.
	LOCATION — PROSPECT ST. OVER STEVENS BRANCH		ITEM	QUANTITY
	BRIDGE — 7		—	—
	PROJECT — BHF 6000 (15)S		—	—
	—		—	—
	P.O. NO. — 6040		—	—
	DESIGNER — DUBOIS & KING INC		—	—
	CUSTOMER — SD IRELAND INDUSTRIES		—	—
			—	—



**D.S. BROWN**

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SCALE: N.T.S.	DRAWN BY: NRA	CHECKED BY: EK	DATE: 5/4/09	
PROJECT NUMBER: 26271	PRODUCT CODE: 1106	RELEASE: 1	SHEET: GN1	