

GENERAL NOTES

1. MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2006 EDITION" SECTIONS 531 AND 731, 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.
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 10GA. (0.135"). STAINLESS STEEL SLIDING SURFACES IN CONTACT WITH PTFE SHALL HAVE A NO. 8 MIRROR FINISH AND ALL OTHERS SHALL HAVE A 2B FINISH.
8. UNLESS SPECIFIED OTHERWISE, THE DIMENSION TOLERANCES AND SURFACES FINISHES OF THE BEARING SHALL SATISFY THE REQUIREMENTS OF AASHTO STANDARD SPECIFICATIONS, DIVISION II, TABLES 18.5.1.5-1.
9. DS BROWN MAY SUBSTITUTE A709 GR. 50W FOR A709 GR. 50 DUE TO AVAILABILITY AT NO ADDITIONAL COST TO THE OWNER OR CONTRACTOR.
10. ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUND TO A 0.063" RADIUS FOR GALVANIZING.
11. 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.

TOLERANCE TABLE	
DESCRIPTION	TOLERANCE
SOLE PL. PLAN DIMENSIONS	+0.063", -0.063"
SOLE PL. THICKNESS	+0.063", -0.063"
HOLE LOCATION	+0.063", -0.063"

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.

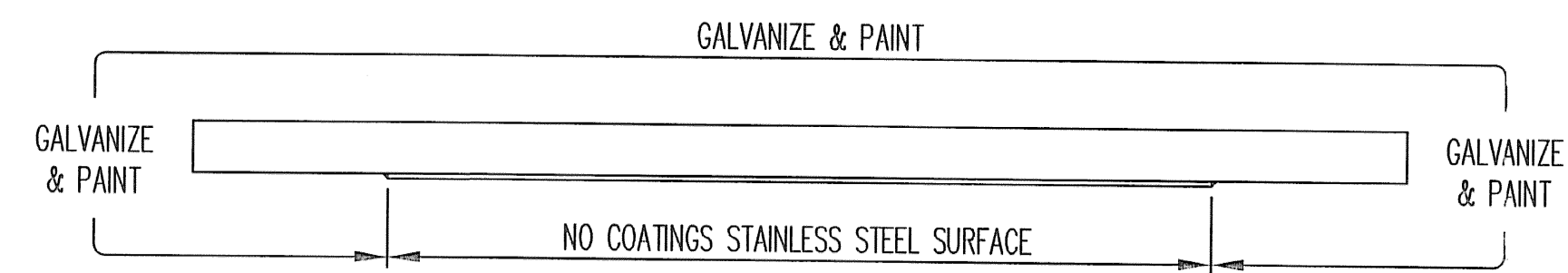
COATING NOTES FOR ABUT. 1 BEARINGS

1. ALL STRUCTURAL STEEL SURFACES TO BE GALVANIZED SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP10.
2. 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.
3. ALL SURFACES DAMAGED BY FIELD WELDING OR HANDLING SHALL BE REPAIRED IN CONFORMANCE WITH SUBSECTION 513.06 (f).
4. SEE GALVANIZING LIMIT DETAILS.

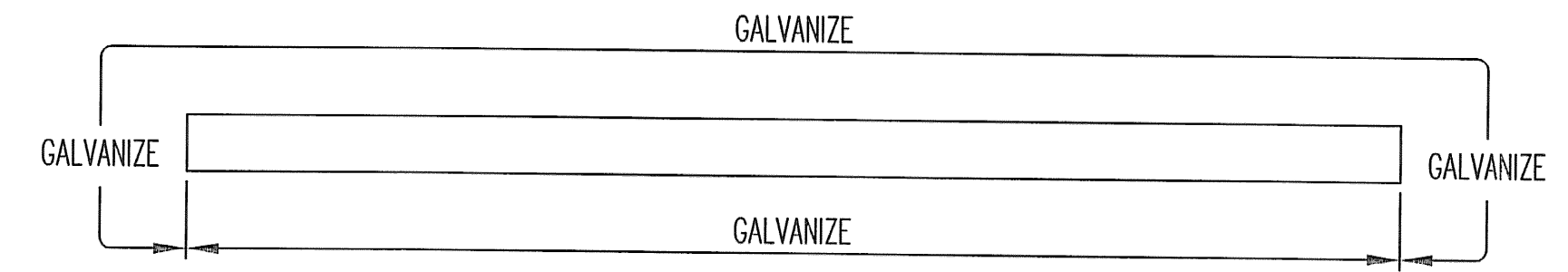
COATING NOTES FOR ABUT. 2 BEARINGS

1. ALL STRUCTURAL STEEL SURFACES TO BE GALVANIZED SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP10.
2. 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.
3. ALL GALVANIZED A709 GR50 OR GR 50W EXTERNAL STEEL SURFACES SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP1 AND SSPC-SP7, AND PAINTED WITH:
 PRIMER: GALOSEAL WB @ 0.5-1 mils d.f.t.
 FINAL: CARBOTHANE 133HB (ALIPHATIC POLYURETHANE) @ 3-5 mils d.f.t.
 TOTAL d.f.t.=3.5-6 mils
 FEDERAL COLOR NUMBER: 20059 (BROWN)
4. SEE COATING LIMIT DETAILS FOR GALVANIZATION & PAINT LOCATIONS.

MUST BE PAINTED WITHIN 12 HOURS OF GALVANIZING. See Sub section 513.06 (f)



COATING LIMITS
ABUTMENT 2



COATING LIMITS
ABUTMENT 1

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RECEIVED
 CKD BY WPK CKD BY CWC
 MAY 30 2008
 RESUBMIT APPROVED AS NOTED
 BY Rle DATE 6-9-08

REV.	DESCRIPTION	DATE	DET.	CKD.
	LOCATION — TH 24 OVER HOOSIC RIVER		ITEM	QUANTITY
	BRIDGE — 41		—	—
	PROJECT — BRZ 1441(19) C/2		—	—
	P.O. NO. — 84934		—	—
	DESIGNER — VTDOT		—	—
	CUSTOMER — FRANK W WHITCOMB CONSTRUCTION		—	—
	DESCRIPTION: GENERAL NOTES AND COATING LIMITS	SCALE: N.I.S.	DRAWN BY: SP	CHECKED BY: NRH
	BENNINGTON CO., VT	DATE: 5/08	PRODUCT CODE: 23215	RELEASE: 1
			1106	SHEET: 1
				GN1