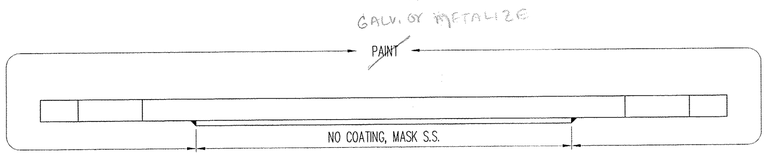
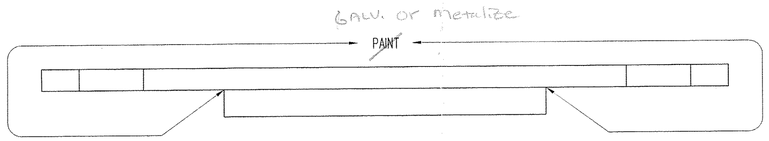



EXPANSION BEARING COATING LIMITS




FIXED BEARING COATING LIMITS

## PROTECTIVE COATING NOTES:

1. ALL STRUCTURAL STEEL SURFACES TO BE PAINTED SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP10.

2. ALL SPECIFIED EXTERNAL STEEL TO BE PAINTED WITH:
   PRIMER COAT – CARBOZINC 859 @ 75–225 µm (3–10 MILS) D.F.T.
   SECOND COAT – CARBOGUARD 888 @ 75–225 µm (3–10 MILS) D.F.T.
   FINISH COAT – CARBOTHANE 133 LH @ 75–175 µm (3–7 MILS) D.F.T.
   DRY FILM THICKNESS – 225–625 µm (9–25 MILS)
   FINISH COAT FEDERAL STANDARD COLOR NO. 14062 (GREEN).
   INTERMEDIATE COAT SHALL OF A CONTRASTING COLOR TO THE PRIMER AND TOP COAT COLORS.

   PLEASE VERIFY COATING SYSTEM. DSB WILL FABRICATE AS SHOWN IF NOT MARKED.

3. SEE COATING LIMIT DETAILS FOR PAINT LOCATIONS.

No PAINT
ALL METAL COMPONENTS OF BEARING DEVICES SHALL BE GALVANIZED OR METALIZED. GALVANIZING SHALL BE APPLIED IN ACCORDANCE WITH AASHTO M111M/M111 OR AASHTO M232M/M232, METALIZING SHALL CONFORM TO SECTION 506.15(b)

## 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, 17TH EDITION, AND ITS LATEST REVISIONS. 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 6GA. (4.8). 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 1.6 RADIUS FOR PAINTING.

9. THE TEMPERATURE OF THE STEEL SHALL NOT EXCEED 250°F (121°C) 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.

11. DS BROWN MAY SUBSTITUTE A709 GR. 345W FOR A709 GR. 345 DUE TO AVAILABILITY AT NO ADDITIONAL COST TO THE OWNER OR CONTRACTOR.

| TOLERANCE TABLE | |
|---|---|
| | |
| SOLE PL. PLAN DIMENSIONS | ± 1.6 |
| SOLE PL. THICKNESS | ± 1.6 |
| HOLE LOCATION | ± 1.6 |
| PTFE THICKNESS | ± 1.6 |
| PTFE PLAN DIMENSION, TOTAL DESIGN AREA | ± 1.6 |
| STAINLESS STEEL FINISH | ≤20µ" RMS #8 MIRROR |

## TOLERANCE NOTES

BEARING SURFACES SHALL BE FLAT WITH A MAXIMUM PERMISSIBLE VARIATION OF 0.25mm 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 0.25mm FROM A PLANE DETERMINED BY ANY THREE CORNERS OF THE PLATE.

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RECEIVED
CK'D BY _____ CK'D BY MEM
NOV 17 2009
APPROVED AS NOTED
BY DATE 12/31/09

| REV. | DESCRIPTION | DATE | DET. | CK'D. |
|---|---|---|---|---|
| | | | | |

D.S. BROWN
THE D.S. BROWN COMPANY
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBROWN.COM

| | ITEM | QUANTITY |
|---|---|---|
| LOCATION — TH 62 OVER WEST RIVER | – | – |
| BRIDGE — 37 | – | – |
| PROJECT — BHO 1442 (28) | – | – |
| PROJECT — DUMMERSTON | – | – |
| — | – | – |
| DESIGNER — VANASSE HANGEN BRUSTLIN, INC. | – | – |
| CUSTOMER — RENAUD BROTHERS | – | – |
| | – | – |

DESCRIPTION:
GENERAL NOTES & COATING LIMITS
WINDHAM CO., VT

| SCALE: | DRAWN BY: | CHECKED BY: | DATE: | |
|---|---|---|---|---|
| N.T.S. | DA | DAE | 11/3/09 | – |
| PROJECT NUMBER | PRODUCT CODE | RELEASE | SHEET | |
| 27177 | 1106 | 1 | GN1 | |