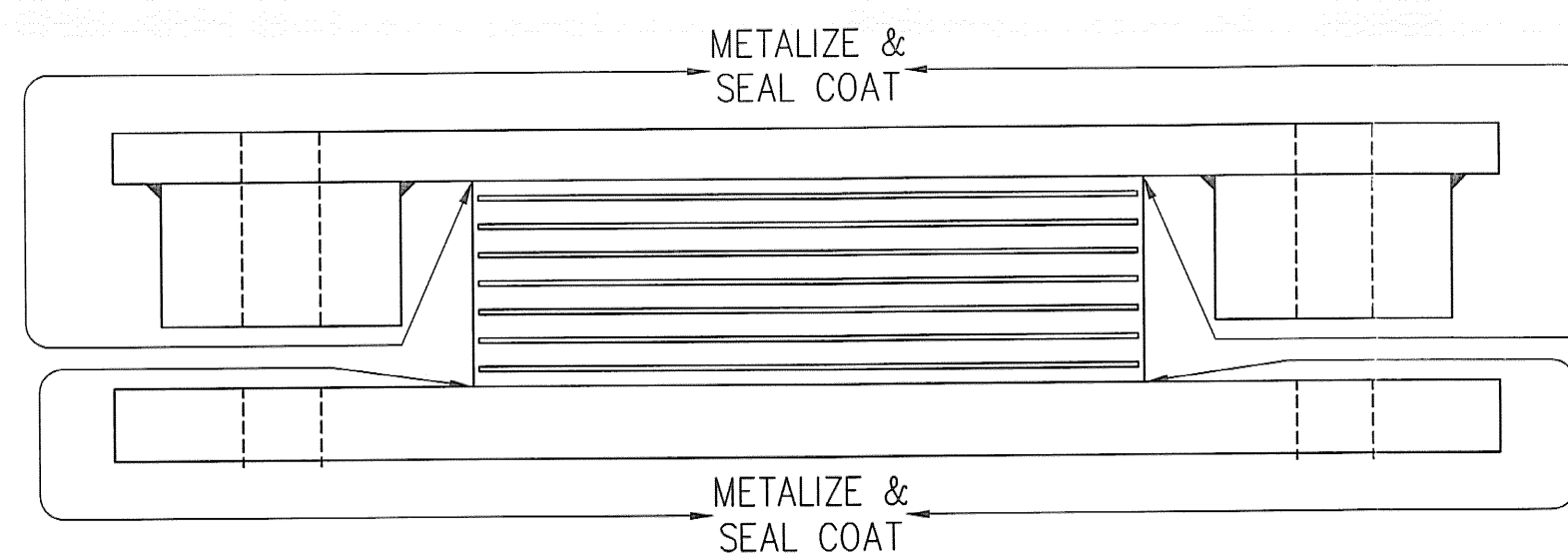


EXPANSION BEARING COATING LIMITS



FIXED BEARING COATING LIMITS

GENERAL NOTES:

- PAD AND MATERIALS SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2006 AND THE LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, (FOURTH EDITION, DATED 2007, AND ITS LATEST REVISIONS, CONTRACT PLANS, AND THE SPECIAL PROVISIONS. GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION, WELDING AND ASSEMBLY SHALL BE GOVERNED BY ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.
- THESE SHOP DRAWINGS ARE 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.
- THE D.S. BROWN COMPANY TO SUPPLY ONLY THE PARTS SHOWN ON THESE DRAWINGS.
- ALL STEEL SHALL BE PRODUCED IN THE UNITED STATES OF AMERICA.
- THE BEARING SHALL BE SUBJECT TO RANDOM IN-HOUSE ELASTOMER TESTING AND IN-HOUSE PROOF LOAD TESTING IN ACCORDANCE WITH AASHTO DIVISION I, SECTION 14 (METHOD "A") AND AASHTO DIVISION II, SECTION 18.
- THE TEMPERATURE OF THE STEEL ADJACENT TO THE ELASTOMER SHALL NOT EXCEED 93°C (200°F). TEMPERATURE SHALL BE CONTROLLED BY THE USE OF A TEMPERATURE INDICATING CRAYON OR OTHER DEVICES APPROVED BY THE ENGINEERS.
- ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUND TO A 0.063" RADIUS.
- ALL STRUCTURAL STEEL SURFACES TO BE METALIZED SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP5.
- ALL SPECIFIED STEEL TO BE ZINC METALIZED IN ACCORDANCE WITH AWS C 2.18 SPECIFICATIONS TO A MINIMUM DRY FILM THICKNESS OF 6 MILS. THE ZINC METALIZED SHALL CONSIST OF 99.9% ZINC. EXTERIOR SURFACES SHALL BE SEALED WITH CARBOLINE SEALER "RUSTABOND" WITH A MINIMUM DRY FILM THICKNESS 2 MILS. SEE COATING LIMITS FOR LOCATIONS.

11.

| TOLERANCE TABLE | |
|--|------------|
| DESCRIPTION (ELASTOMER) | TOLERANCE |
| OVERALL VERTICAL DIMENSION | + 1/8", -0 |
| ELASTOMERIC BEARING DESIGN THICKNESS > 1.250" | + 1/4", -0 |
| ELASTOMERIC BEARING PLAN ≤ 36" | + 1/4", -0 |
| ELASTOMERIC COVER TOP & BOTTOM | + 1/8", -0 |
| ELASTOMERIC COVER SIDES | + 1/8", -0 |
| THICKNESS OF INDIVIDUAL LAYERS OF ELASTOMER (LAMINATED BEARINGS ONLY) AT ANY POINT WITHIN THE BEARING | ± 1/8" |
| VARIATION FROM A PLANE PARALLEL TO THE THEORETICAL SURFACE (AS DETERMINED BY MEASUREMENTS AT THE EDGE OF THE BEARINGS) | |
| TOP | 0.005 RAD |
| SIDES | ± 1/4" |
| POSITION OF EXPOSED CONNECTION MEMBERS | ± 1/8" |
| EDGE COVER OF EMBEDDED LAMINATES OF CONNECTION MEMBERS | + 1/8", -0 |
| SIZE OF HOLES, SLOTS, OR INSERTS | ± 1/8" |
| POSITION OF HOLES, SLOTS, OR INSERTS | ± 1/8" |

| | |
|--|-------------|
| MASONRY PL. PLAN DIMENSIONS | ±1/4" |
| MASONRY PL. UNDERSIDE SURFACE FLATNESS | CLASS C |
| MASONRY PL. UPSIDE SURFACE FLATNESS | CLASS A |
| MASONRY PL. THICKNESS | ±1/16" |
| HOLE LOCATION | ±1/16" |
| SOLE PL. PLAN DIMENSIONS | ±1/16" |
| SOLE PL. UNDERSIDE SURFACE FLATNESS | CLASS A |
| SOLE PL. UPSIDE SURFACE FLATNESS | CLASS C |
| SOLE PL. BEVEL SLOPE | ± 0.002 RAD |
| SOLE PL THICKNESS | ±1/16" |
| MASONRY & SOLE PLATE SURFACE FINISH (BEARING SIDE) | 125 RMS |

| FLATNESS TOLERANCE | |
|--------------------|-------------|
| CLASS | X NOM. DIM. |
| A | 0.0005 |
| B | 0.001 |
| C | 0.002 |

RECEIVED
 CKD BY: *SSS* OKD BY: *MGM*
 FEB 11 2009
 BY: *[Signature]* DATE: 2/3/09

| REV. | DESCRIPTION | DATE | DET. | DAE |
|------|-------------------------------------|--------------------|-----------------|----------------|
| 1 | REVIEWERS COMMENTS | 1/27/09 | DA | DAE |
| | LOCATION — VT 102 (MAJOR COLLECTOR) | | ITEM | QUANTITY |
| | PROJECT NO. — ER ST 0271 (16) | | — | — |
| | BRIDGE — 16 | | — | — |
| | — | | — | — |
| | — | | — | — |
| | P.O. NO. — C2223 | | — | — |
| | DESIGNER — VT DOT | | — | — |
| | CUSTOMER — WINTERSET INC. | | — | — |
| | SCALE: N.T.S. | DRAWN BY: DA | CHECKED BY: DAE | DATE: 12/15/08 |
| | PROJECT NUMBER: 25217 | PRODUCT CODE: 1104 | RELEASE: 1 | SHEET: GN1 |

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