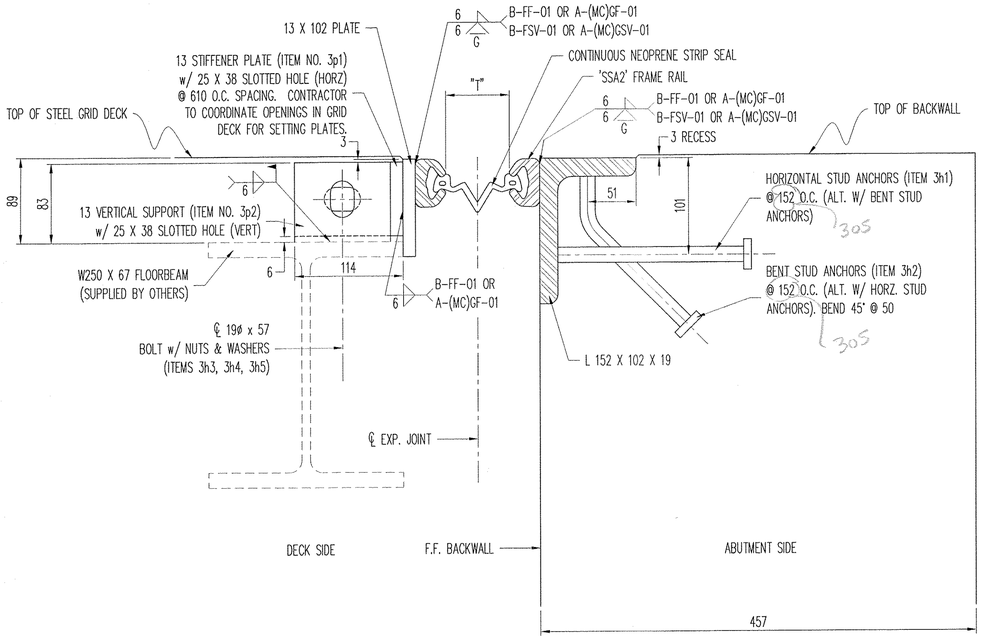


SECTION THRU JOINT @ SETTING PLATES

OPERATING DIMENSIONS	
STRUCT. TEMP.	"T" (mm)
-18°C	73
-9°C	67
-1°C	61
7°C	55
16°C	49
24°C	43
32°C	37
41°C	31

TEMPERATURE ADJUSTMENT CHART

NOTE: ADJUSTMENTS PER CONTRACT PLANS

GENERAL NOTES

MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2006 EDITION" AS MODIFIED BY THE CONTRACT PLANS.
GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION, WELDING AND ASSEMBLY SHALL BE GOVERNED BY ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE

"SSA2" FRAME RAILS SHALL BE ASTM-A36 STEEL.

ALL OTHER STEEL SHALL BE ASTM-A36, UNLESS OTHERWISE NOTED.

ALL STUD ANCHORS SHALL BE ASTM-A108 STEEL AND AUTOMATIC END-WELDED w/ COMPLETE FUSION.
B-FF-STUD-REP-01 OR A-SM-STUD-REP-01 WILL BE USED, AS REQUIRED, TO REPAIR STUD WELDS.

EXPANSION JOINT SHALL BE HOT-DIPPED GALVANIZED TO ASTM-A123 AFTER FABRICATION.

ANY TIGHTLY ADHERENT WELD SPATTER NEED NOT BE REMOVED IN COATED AREAS TO BE CAST IN CONCRETE.
ANY GALVANIZED COATING DAMAGED DURING FIELD WELDING OR FROM OTHER CAUSES MUST BE REPAIRED IN ACCORDANCE WITH ASTM-A780.

RAILS SHALL BE SHIPPED IN PAIRS, BLOCKED AND BANDED.

ALL ASSEMBLIES TO BE PIECE MARKED.

EXPANSION JOINTS TO FOLLOW ROADWAY CROSS SLOPE AND GRADE.

REMOVE ALL BURRS WHICH MAY BE IN CONTACT WITH THE SEAL PRIOR TO MAKING SPLICE.

GASKETING SHALL BE PLACED IN THE SEAL CAVITY OF THE STEEL RETAINER RAILS AND REMOVED JUST PRIOR TO STRIP SEAL INSTALLATION.

NEOPRENE SEAL SHALL BE CONTINUOUS AND FIELD INSTALLED UTILIZING LUBRICANT/ADHESIVE.

CONTRACTOR TO POUR AND VIBRATE CONCRETE INTO BLOCKOUT TO ENSURE PROPER CONSOLIDATION AROUND ALL EMBEDDED COMPONENTS.

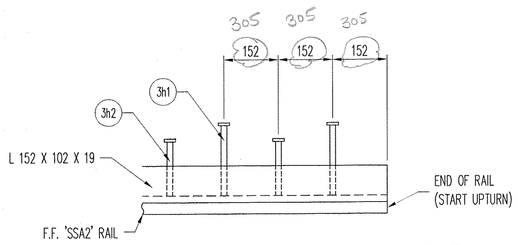
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION TO ENSURE ACCURACY OF THE EXPANSION JOINT. STAMPED APPROVED DRAWINGS ASSUME LENGTHS HAVE BEEN VERIFIED BY CONTRACTOR.

ALL ANGLES AND VERTICAL PLATES SHALL BE FURNISHED AS CONTINUOUS PIECES.

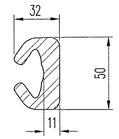
* ALL EDGES OF STEEL PLATES, SHAPES, ETC. SHALL BE GROUND TO A 1/16" RADIUS

* SEAL WELD ALL CONNECTIONS WHERE POSSIBLE

RECEIVED
BY mem
NOV 17 2009
RESUBMIT ____ APPROVED As Noted
BY ____ DATE 12/31/09



TYP. 16ø STUD ANCHOR LAYOUT



"SSA2" FRAME RAIL

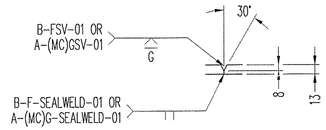
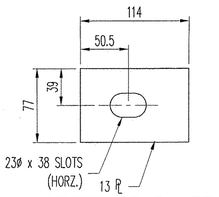
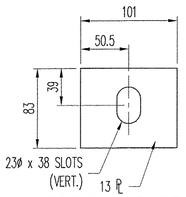


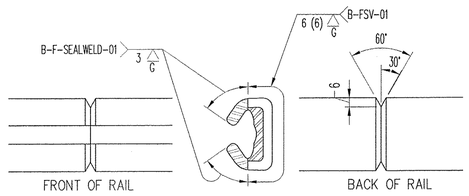
PLATE SHOP SPLICE DETAIL



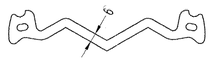
STIFFENER PLATE
ITEM NO. 3p1
(12) REQ'D



VERTICAL SUPPORT
ITEM NO. 3p2
(12) REQ'D



"SSA2" SHOP SPLICE DETAIL



"A2R" SERIES STRIP SEAL

MINIMUM JOINT OPENING FOR EASE OF INSTALLATION = 50

STRIP SEAL MOVEMENT RATINGS	
TEMPERATURE	A2R-400
MAXIMUM	13
MID	64
MINIMUM	114

REV.	DESCRIPTION	DATE	DET.	CKD.

ITEM	QUANTITY

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

LOCATION — TH 62 OVER WEST RIVER
BRIDGE — 37
PROJECT NO. — BHO 1442 (28)
—
—
DESIGNER — VANASSE HANGEN BRUSTLIN, INC.
CUSTOMER — RENAUD BROTHERS

DESCRIPTION:
'SSA2' STANDARD DETAILS
WINDHAM COUNTY, VERMONT

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	SHEET
N.T.S.	MJS	DAE	11/05/09	3 OF 3

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
27177	1011	—	3