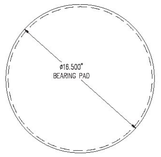
MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
1A	10	ELASTOMERIC BEARING	51817.1103.1		(8 + 2 SAMPLES)	49	A
1a2	10	2.500" [Ø16.500"]	NATURAL RUBBER		60H-3-D.R.D. GR.4	21	A
1a1	40	11 GA. [Ø15.000"]	A1011 GR.36		PLAIN	7	A
		*Approx. Gross Wt. Lbs Per Single Unit			2/10/17 10:51:54 AM		

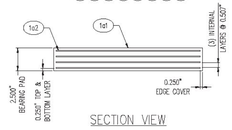
TOLERANCE TABLE	
DESCRIPTION	TOLERANCE (INCHES U.N.O.)
ELASTOMERIC BEARING DESIGN THICKNESS < 1.250"	-0, +0.1181
ELASTOMERIC BEARING DESIGN THICKNESS > 1.250"	-0, +0.2362
ELASTOMERIC BEARING PLAN DIMENSIONS ≤ 36"	-0, +0.2362
ELASTOMERIC BEARING PLAN DIMENSIONS > 36"	-0, +0.4724
THICKNESS OF INDIVIDUAL LAYERS OF ELASTOMER (LAMINATED BEARINGS ONLY) AT ANY POINT WITHIN THE BEARING	±0.1181
VARIATION FROM A PLANE PARALLEL TO THE THEORETICAL SURFACE (AS DETERMINED BY MEASUREMENTS AT THE EDGE OF THE BEARINGS) (PARALLELISM):	
TOP & BOTTOM	±0.005 RAD
SIDES	±0.2362
POSITION OF EXPOSED CONNECTION MEMBERS	±0.1181
ELASTOMERIC EDGE COVER	-0, +0.1181
ELASTOMERIC BEARING HOLE OR SLOT SIZE	±0.1181
ELASTOMERIC BEARING HOLE OR SLOT LOCATION	±0.1181

LOAD DATA	
DEAD LOAD	92 KIPS
LIVE LOAD	132 KIPS



1A – PLAN VIEW

LAMINATED ELASTOMERIC BEARING
~~SEE VIEW SHOWN ON SHEET 2~~
(4) REQ'D @ BRIDGE 9, ABUTMENT 1
(4) REQ'D @ BRIDGE 9, ABUTMENT 2
(2) REQ'D SAMPLES
(10) REQ'D TOTAL



SECTION VIEW

GENERAL NOTES:

1. ALL MATERIALS SHALL CONFORM TO THE 2011 VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. THIS SHOP DRAWING WAS 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 THIS SHOP DRAWING.
3. THE D.S. BROWN COMPANY TO SUPPLY ONLY THE PARTS SHOWN ON THIS DRAWING.
4. THE BEARINGS SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH AASHTO M251.
5. INTERNAL ALIGNMENT PINS: AFTER FABRICATION, HOLES TO BE FILLED WITH ELASTOMER MATERIAL EQUIVALENT TO THAT USED IN THE MANUFACTURING OF THE PAD.
6. WELDING PROCEDURES, IF APPLICABLE, SHALL BE ESTABLISHED BY THE CONTRACTOR TO RESTRICT THE MAXIMUM TEMPERATURE REACHED BY SURFACES IN CONTACT WITH THE ELASTOMER TO 200°F (93°C). TEMPERATURES SHALL BE DETERMINED BY TEMPERATURE INDICATING WAX PENCILS OR OTHER SUITABLE MEANS.
7. IN ACCORDANCE WITH STATE SPECIFICATIONS, FABRICATOR MAY USE EITHER NEOPRENE OR NATURAL RUBBER FOR THE ELASTOMER.

REV.	DESCRIPTION	DATE	DET.	CKD.
⚠	SEPERATED BY STRUCTURE / CHANGED PAD DIMENSION TO DIAMTER	2/10/17	EMF	ECW

Vermont Agency of Transportation
RECEIVED
CK'D BY TYLin OK'D BY TYLin
February 13, 2017
RESUBMIT No Approved
BY Kristin Higgins DATE 2/14/2017

T.Y. LIN INTERNATIONAL

THE STAMPED DOCUMENTS ARE HEREBY:

X APPROVED
APPROVED AS NOTED
REVISE AND RESUBMIT

SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.

THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.

JOSH OLLIND — February 14, 2017
REVIEWER — DATE

D.S. BROWN
ASSOCIATES, REGISTERED COMPANY
THE D.S. BROWN COMPANY
300 E. MAIN STREET
NORTH BALTIMORE, OHIO 45872
419.257.3281
FAX: 419.257.3320
WWW.DSBROWN.COM

LOCATION — VT RTE 110
BRIDGE — 9 ⚠
PROJECT — 12C150
F.A.P. NO. — BHF 0169 (9) & (10)
P.O. NO. — 1
DESIGNER — T.Y.LIN INTERNATIONAL
CUSTOMER — CPM CONSTRUCTORS

ITEM	QUANTITY
--	--
--	--
--	--
--	--
--	--
--	--
--	--
--	--

DESCRIPTION: VERSIFLEX ELASTOMERIC BEARING
ORANGE CO., VT

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	ISSUE DATE:
N.T.S.	EMF	ECW	1/9/2017	--
PROJECT NUMBER: 51817	PROJECT NO.: 1103	RELEASE: 1	SHEET: 01	