



ELEVATION
 MK. 01, 592 REOD., ITEM 531.10
 8 EACH AT ABUTTS. 1 & 2
 16 EACH AT PIERS 1 - 36

SRQ. MK.	01
SHAPE FACTOR	3.35
COMP. AREA IN. 2	18.06
SHEAR AREA IN. 2	20.25
EFFECTIVE RUBBER IN.	1.20
LENGTH TO HEIGHT RATIO	3.75
R (DL + SOL) KIPS	5.7
R (LL) KIPS	2.0
MAX. ALLOWABLE STRESS PSI	1000
DESIGN ROTATION RAD.	0.04

- NOTES:
1. BEARING PADS TO BE MANUFACTURED IN ACCORDANCE WITH VT. AGENCY OF TRANSPORTATION STANDARD SPECIFICATION SECTION 731 AND THE PROJECT PLANS (AASHTO DIVISION 8 SECTION 16.2 AND AASHTO MATERIALS SPECIFICATION M291).
 2. NEOPRENE IS 90 ± 5 DURO, GRADE 3. INTERNAL SHIMS ARE 14 GA. ASTM A1011 GR. 40.
 3. THE BEARINGS WERE DESIGNED USING METHOD A, AASHTO SECTION 14.
 4. TOLERANCES:
 DESIGN THICKNESS -0, +1/4"
 HORIZONTAL DIM. -0, +1/4"
 THICKNESS OF INDIVIDUAL LAYERS AT ANY POINT WITHIN THE BEARINGS ±20% OF DESIGN VALUE BUT NO MORE THAN ±1/8"
 PARALLELISM WITH OPPOSITE FACE ±0.005 RADIANS
 TOP & BOTTOM ±0.005 RADIANS
 SIDES ±0.02 RADIANS
 SIZE AND POSITION OF EXPOSED CONNECTION MEMBERS, HOLES, SLOTS OR INSERTS ±1/8"
 EDGE COVER -0, +1/8"
 THICKNESS OF TOP & BTM LAYER -0, THE SMALLER OF 1/16" AND 20% OF THE NOMINAL COVER LAYER THICKNESS
 5. LEVEL 1 TESTING REQUIRED BY S.E.P.
 6. ONLY ITEMS SHOWN ON THIS DRAWING ARE TO BE PROVIDED BY SEISMIC ENERGY PRODUCTS, L.P.

RECEIVED
 CK'D BY *W. B. ...* CK'D BY *W. B. ...*
 NOV 06 2003
 RESUBMIT _____ APPROVED
 BY _____ DATE 11/6/03

REV.	DESCRIPTION	DATE
1	REVISED PER VADT	11/3/03
FED. AID PROJECT NO.		
PROJECT NO.	STP BIKE (48)	COUNTY CHITTENDEN
CONTRACTOR KUBRICKY CONSTRUCTION CORP.		
Seismic Energy Products, L.P. STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS ATLANTA, TEXAS		
STATE OF VERMONT AGENCY OF TRANSPORTATION		
STRUCTURAL BEARING DETAILS FOR: STP BIKE (48), TOWN OF COLCHESTER, VT.		
CAD FILE NO. 19415V1	DRW. T.A. 10/02/03	P.O. NO. 362
CUSTOMER: KUBRICKY CONSTRUCTION CORP. 287 BAY STREET GLENS FALLS, N.Y. 12801	CHKD. C.R. 10/02/03	S.O. NO. 19415
	Q.A. REV'D. 1	DRW. NO. 0903197

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 SHIT 1 OF 1