

GENERAL NOTES

- ALL BEARINGS SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION, SECTIONS 531 AND 731 AND THE CONTRACT PRINTS, UNLESS NOTED OTHERWISE.
- MATERIALS:**
 ELASTOMER.....50 DURO NATURAL, GRADE 4
 (110 ± 15 psi)
 CARBON STEEL SHIMS.....ASTM A1011, GR. 40
- TOLERANCES:**
 LAMINATED ELASTOMERIC PADS:
 DUROMETER.....± 5
 OVERALL THICKNESS (VERTICAL) OVER 1 1/4".....-0, +1/4"
 OVERALL LENGTH & WIDTH (HORIZONTAL) 36" OR LESS.....-0, +1/4"
 THICKNESS OF INDIVIDUAL LAYERS OF ELASTOMER.....±1/8"
 PARALLELISM:
 TOP.....0.005 rad
 SIDES.....1/4"
 EDGE COVER.....-0, +1/8"
 HOLE/SLOT SIZE.....±1/8"
 HOLE/SLOT POSITION.....±1/8"
 PLATES:
 OVERALL THICKNESS (VERTICAL).....±1/16"
 OVERALL LENGTH & WIDTH (HORIZONTAL).....±1/4"
 FLATNESS.....1/16"
 BEVEL SLOPE.....±0.002 rad
- MARKINGS:**
 EACH BEARING SHALL BE PERMANENTLY MARKED IN A LOCATION THAT IS VISIBLE WHEN THE DEVICE IS INSTALLED IN THE COMPLETED STRUCTURE. MARKING SHALL BE SEP STANDARD:
 CONTRACT/ORDER #
 LOT#
 BEARING ID # (MK. #)
 LOCATION/BRIDGE #
 ELASTOMER TYPE AND GRADE
 ORIENTATION (WHERE APPLICABLE)
- TESTING:** PER SPECIFICATIONS CITED IN GENERAL NOTE #1.
- PAINT/FINISH:** EXTERNAL PLATES, RETAINER ANGLES AND HARDWARE HOT DIP GALVANIZED PER ASTM A123 OR ASTM A153 AS APPLICABLE.
- SEP TO PROVIDE ONLY THE ITEMS SHOWN ON THIS DRAWING.
- SHIPPING:** BEARINGS SHALL BE PACKAGED IN SUCH A MANNER TO ENSURE THAT DURING SHIPMENT AND STORAGE THE BEARINGS WILL BE PROTECTED AGAINST DAMAGE FROM HANDLING, WEATHER OR ANY NORMAL HAZARD.
- REPRESENTATIVE**
 CUSTOMER SERVICE: STEVE BOWMAN.....903-677-4318
 TECHNICAL: MIKE SPELLMAN.....903-677-4342

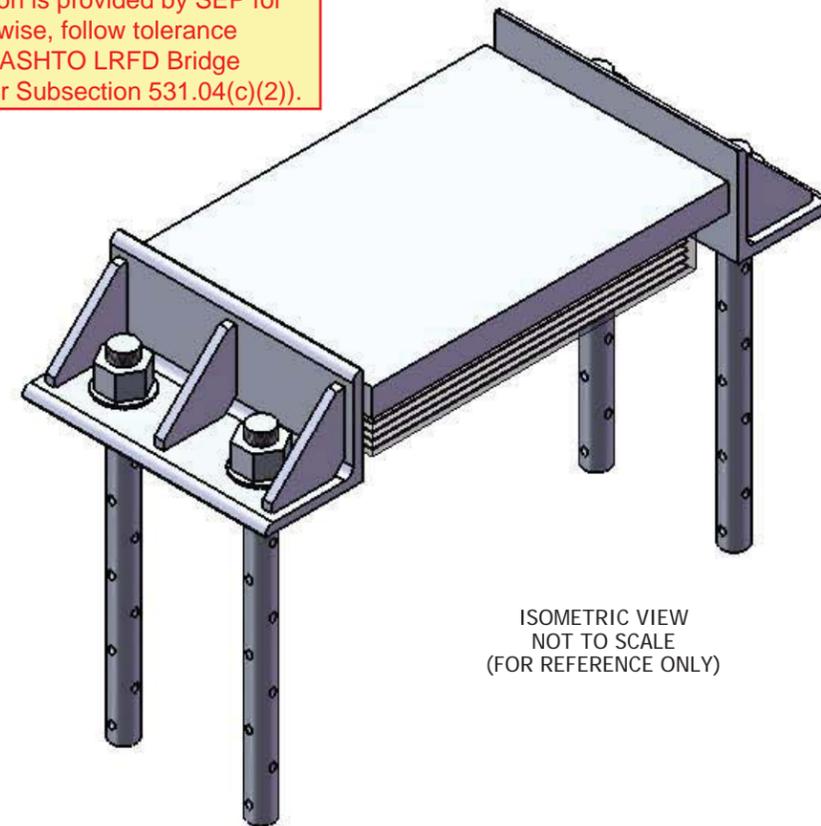
Provide bonding procedures (per Subsection 531.03)

Sole Plates.....AASHTO M270 Grade 36 (per Subsection 714.02)
 Side Retainers.....AASHTO M270 Grade 36 (per Subsection 714.02)

Denied unless further justification is provided by SEP for consideration by VAOT. Otherwise, follow tolerance specified in Section 18 of the AASHTO LRFD Bridge Construction Specifications (per Subsection 531.04(c)(2)).

SEP REQUESTS TO USE 1/16" IN LIEU OF 0.001 X NOMINAL DIMENSION

Show where mark will be located on bearing in plan view on sheets 2-4. Specify how orientation will be marked.



ISOMETRIC VIEW
 NOT TO SCALE
 (FOR REFERENCE ONLY)

REVISIONS			
REV.	DESCRIPTION	BY	DATE
A	SUBMITTAL	MS	2/10/2015

Vermont Agency of Transportation
RECEIVED
 CK'D BY JCRK OK'D BY WL
 February 13, 2015
 RESUBMIT YES Rejected
 BY JS DATE 2-23-2015

SEP Seismic Energy Products, Inc.
 STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
 ATHENS, TX PHONE: 903-675-8571

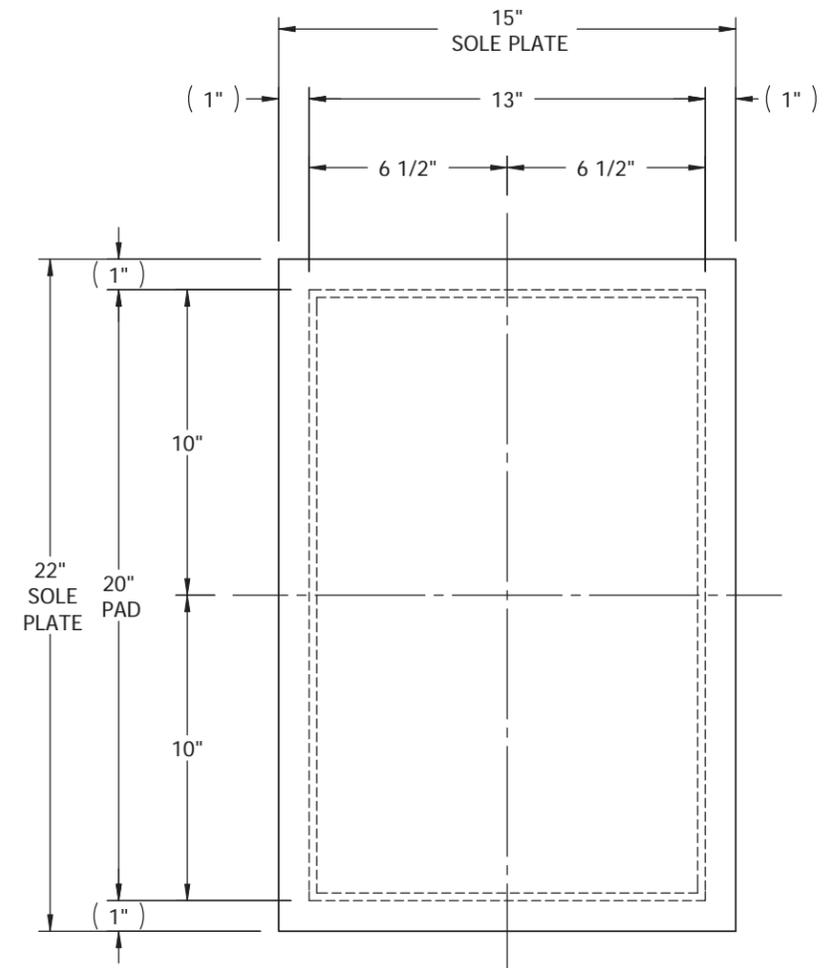
BEARING ASSY FOR:
 STATE OF VERMONT AGENCY OF TRANSPORTATION
 INTERSTATE 91 EXIT 11

CONTRACTOR: PCL CIVIL CONSTRUCTORS			
DRAWN ALUTTRELL	DATE 2/9/15	PO #	EM
CHECKED	DATE	SO NO. & ST.	61614 VT
REVIEWED MSPELLMAN	DATE 2/10/15	SHEET 1 OF 5	

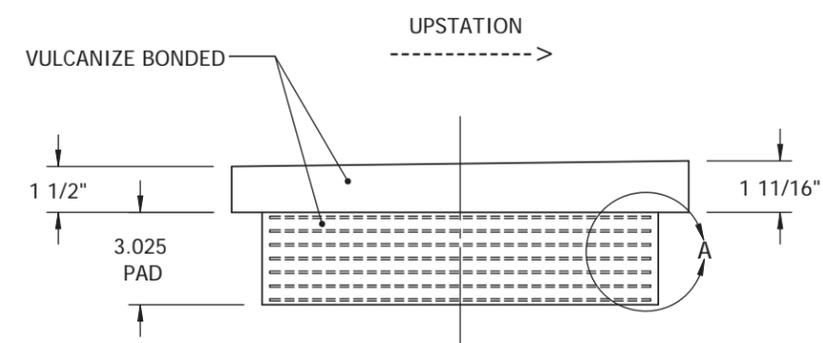
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

PROJECT NO. IM 091-2(79)	NOTE INFORMATION SET FORTH IN THIS DRAWING IS PROPRIETARY WITH Seismic Energy Products, Inc. THIS DRAWING SHALL NOT BE REPRODUCED, COPIED, LOANED OR SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT EXCEPT FOR THE PURPOSE FOR WHICH IT WAS INTENDED.
BRIDGE NO 43 N/S	
COUNTY WINDSOR	
TOWN HARTFORD	

REVISIONS			
REV.	DESCRIPTION	BY	DATE
A	SUBMITTAL	MS	2/10/2015

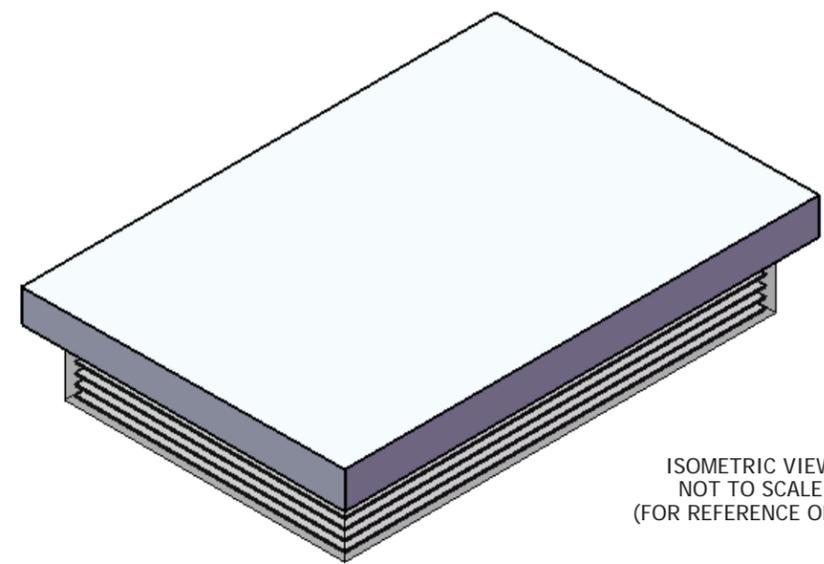


PLAN VIEW

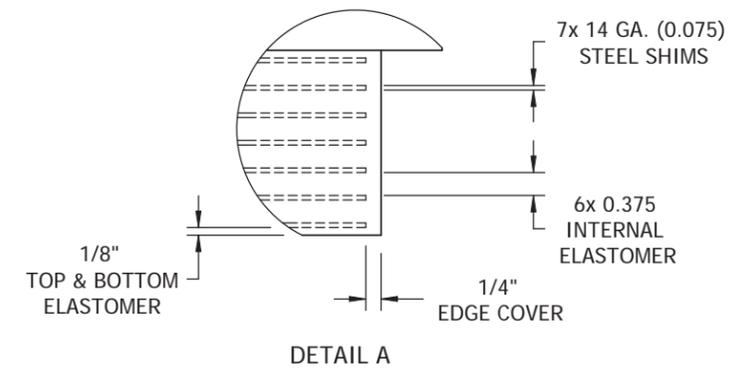


ELEVATION VIEW

**MK.01
BEARING PADS
@ ABUTS 1 & 2
(12) REQ'D**



ISOMETRIC VIEW
NOT TO SCALE
(FOR REFERENCE ONLY)



DETAIL A

Vermont Agency of Transportation
RECEIVED
CK'D BY JC/RK OK'D BY WL
February 13, 2015
RESUBMIT YES Rejected
BY JS DATE 2-23-2015

SEP Seismic Energy Products, Inc.
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
ATHENS, TX PHONE: 903-675-8571

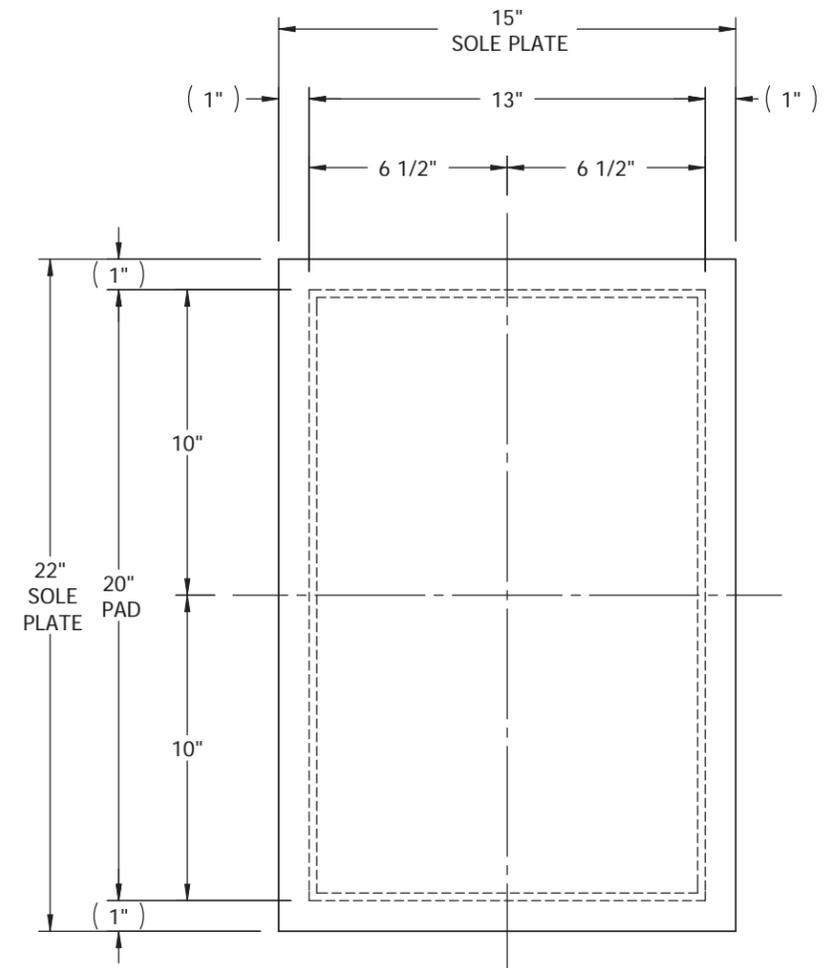
BEARING ASSY FOR:
STATE OF VERMONT AGENCY OF TRANSPORTATION
INTERSTATE 91 EXIT 11

CONTRACTOR: PCL CIVIL CONSTRUCTORS			
DRAWN ALUTTRELL	DATE 2/9/15	PO # EM	
CHECKED	DATE	SO NO. & ST. 61614 VT	
REVIEWED	DATE		SHEET 2 OF 5

PROJECT NO. IM 091-2(79)	<p>NOTE INFORMATION SET FORTH IN THIS DRAWING IS PROPRIETARY WITH Seismic Energy Products, Inc. THIS DRAWING SHALL NOT BE REPRODUCED, COPIED, LOANED OR SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT EXCEPT FOR THE PURPOSE FOR WHICH IT WAS INTENDED.</p>
BRIDGE NO 43 N/S	
COUNTY WINDSOR	
TOWN HARTFORD	

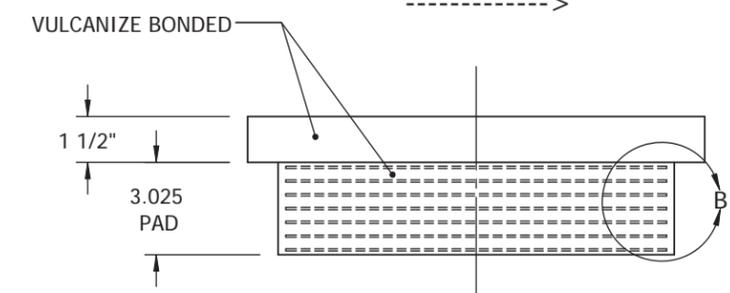
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

REVISIONS			
REV.	DESCRIPTION	BY	DATE
A	SUBMITTAL	MS	2/10/2015



PLAN VIEW

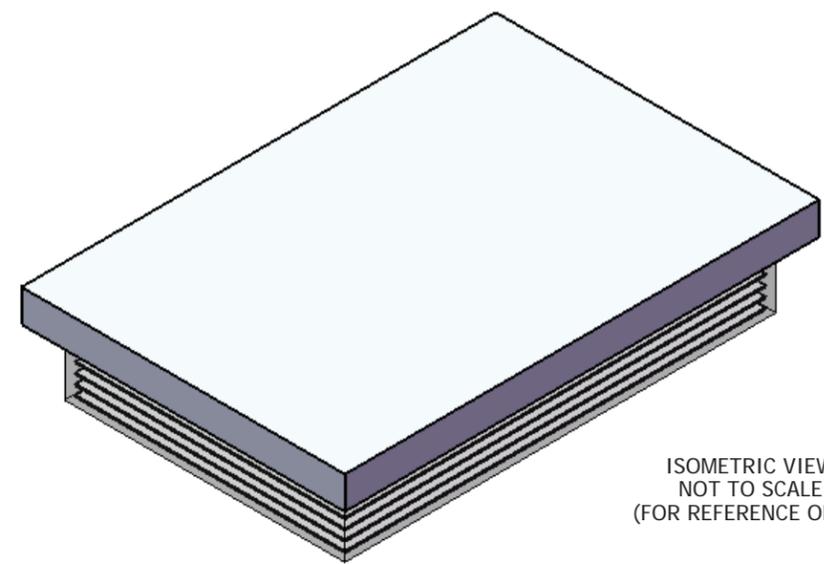
UPSTATION
----->



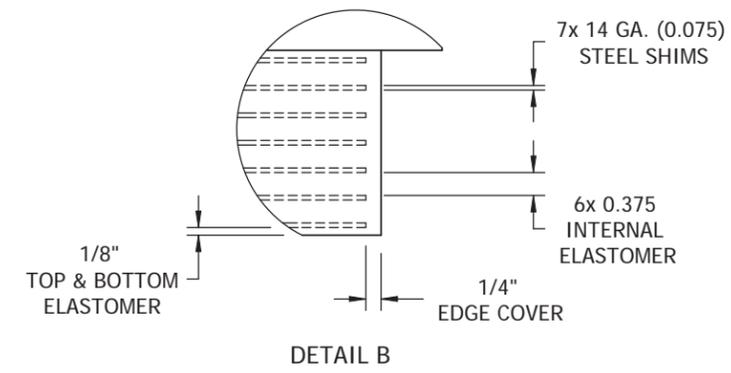
ELEVATION VIEW

MK.03
BEARING PADS
@ ABUT 3
(6) REQ'D

Should this be MK.02? Abutment 4 bearing ID is also MK.03. Since the bearings are different for abutments, provide abutment specific bearing ID to avoid misplacement in field.



ISOMETRIC VIEW
NOT TO SCALE
(FOR REFERENCE ONLY)



DETAIL B

Vermont Agency of Transportation
RECEIVED
CK'D BY JC/RK OK'D BY WL
February 13, 2015
RESUBMIT YES Rejected
BY JS DATE 2-23-2015

SEP **Seismic Energy Products, Inc.**
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
ATHENS, TX PHONE: 903-675-8571

BEARING ASSY FOR:
STATE OF VERMONT AGENCY OF TRANSPORTATION
INTERSTATE 91 EXIT 11

CONTRACTOR: PCL CIVIL CONSTRUCTORS

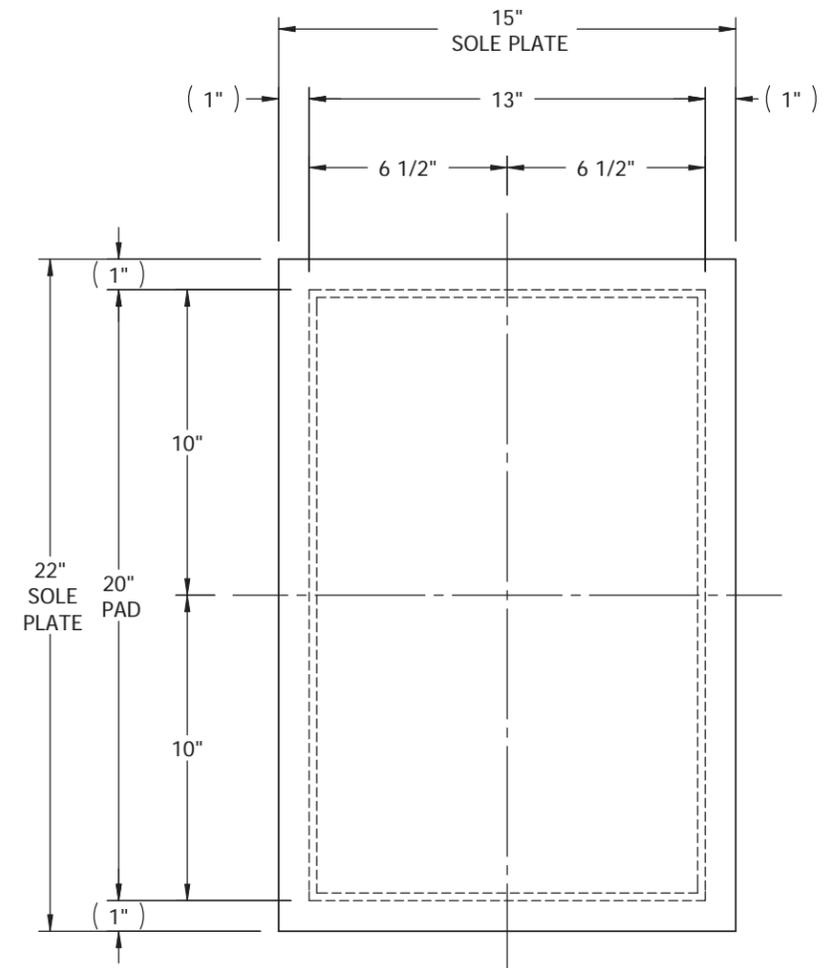
DRAWN ALUTTRELL	DATE 2/9/15	PO # EM
CHECKED	DATE	SO NO. & ST. 61614 VT
REVIEWED MSPPELLMAN	DATE 2/10/15	SHEET 3 OF 5

PROJECT NO. IM 091-2(79)
BRIDGE NO 43 N/S
COUNTY WINDSOR
TOWN HARTFORD

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED

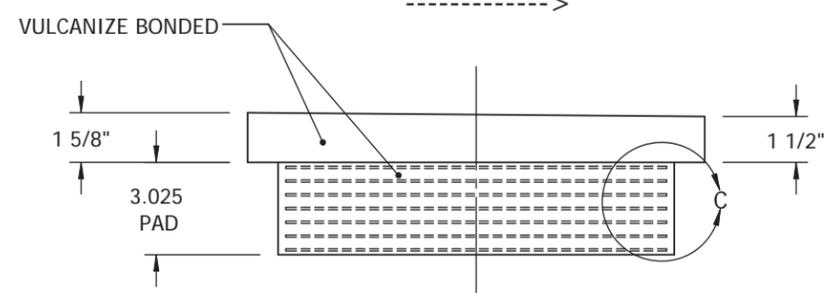
NOTE
INFORMATION SET FORTH IN THIS DRAWING IS PROPRIETARY WITH Seismic Energy Products, Inc. THIS DRAWING SHALL NOT BE REPRODUCED, COPIED, LOANED OR SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT EXCEPT FOR THE PURPOSE FOR WHICH IT WAS INTENDED.

REVISIONS			
REV.	DESCRIPTION	BY	DATE
A	SUBMITTAL	MS	2/10/2015



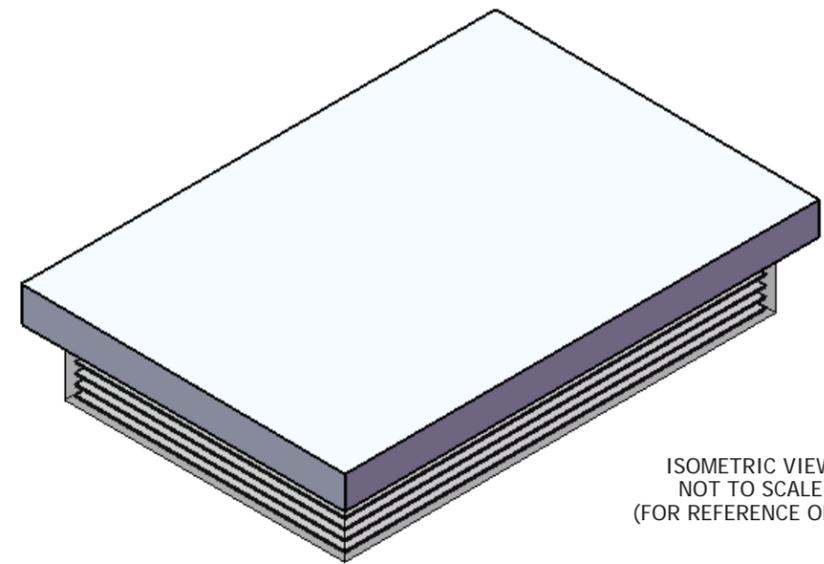
PLAN VIEW

UPSTATION
----->

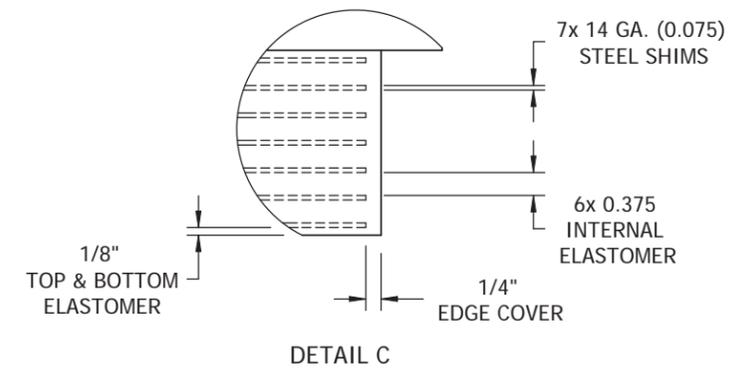


ELEVATION VIEW

**MK.03
BEARING PADS
@ ABUT 4
(6) REQ'D**



ISOMETRIC VIEW
NOT TO SCALE
(FOR REFERENCE ONLY)



DETAIL C

Vermont Agency of Transportation
RECEIVED
CK'D BY JC/RK OK'D BY WL
February 13, 2015
RESUBMIT YES Rejected
BY JS DATE 2-23-2015

SEP Seismic Energy Products, Inc.
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
ATHENS, TX PHONE: 903-675-8571

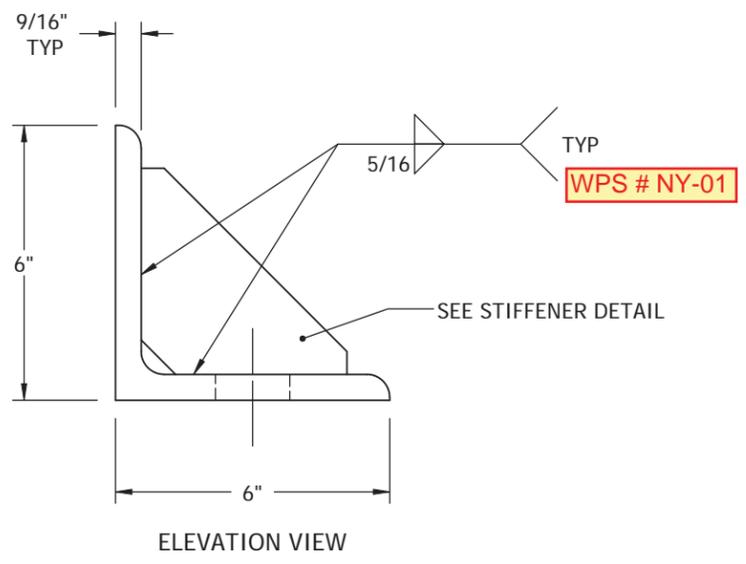
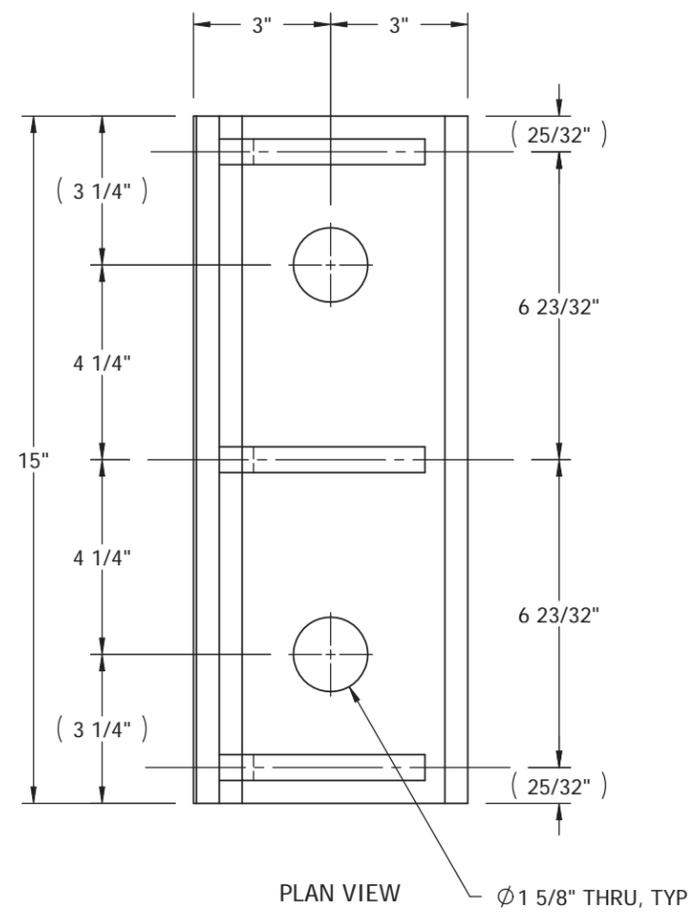
BEARING ASSY FOR:
STATE OF VERMONT AGENCY OF TRANSPORTATION
INTERSTATE 91 EXIT 11

CONTRACTOR: PCL CIVIL CONSTRUCTORS			
DRAWN ALUTTRELL	DATE 2/9/15	PO # EM	
CHECKED	DATE	SO NO. & ST. 61614 VT	
REVIEWED	DATE	SHEET 4 OF 5	

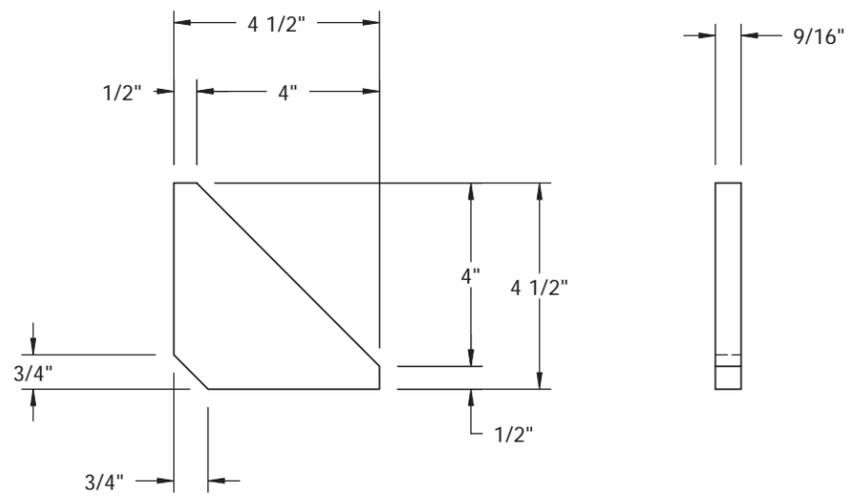
PROJECT NO. IM 091-2(79)	<p>NOTE INFORMATION SET FORTH IN THIS DRAWING IS PROPRIETARY WITH Seismic Energy Products, Inc. THIS DRAWING SHALL NOT BE REPRODUCED, COPIED, LOANED OR SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT EXCEPT FOR THE PURPOSE FOR WHICH IT WAS INTENDED.</p>
BRIDGE NO 43 N/S	
COUNTY WINDSOR	
TOWN HARTFORD	

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED

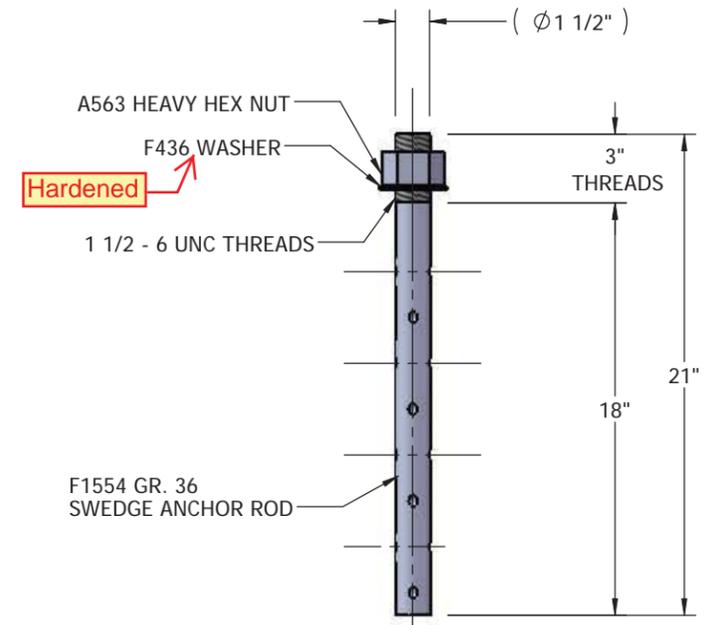
REVISIONS			
REV.	DESCRIPTION	BY	DATE
A	SUBMITTAL	MS	2/10/2015



**MK.04
RETAINERS
(48) REQ'D
(2 @ EACH BEARING)**



**STIFFENER
(144) REQ'D
(3 @ EACH ANGLE ASSY)**



**MK.05
ANCHOR ROD ASSEMBLY
(96) REQ'D
(4 @ EACH BEARING ASSY)**

Vermont Agency of Transportation
RECEIVED
CK'D BY JC/RK OK'D BY WL
February 13, 2015
RESUBMIT YES Rejected
BY JS DATE 2-23-2015

SEP Seismic Energy Products, Inc.
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
ATHENS, TX PHONE: 903-675-8571

BEARING ASSY FOR:
STATE OF VERMONT AGENCY OF TRANSPORTATION
INTERSTATE 91 EXIT 11

CONTRACTOR: PCL CIVIL CONSTRUCTORS			
DRAWN ALUTTRELL	DATE 2/9/15	PO #	EM
CHECKED	DATE	SO NO. & ST.	61614 VT
REVIEWED MSPELLMAN	DATE 2/10/15	SHEET 5 OF 5	

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

PROJECT NO. IM 091-2(79)
BRIDGE NO 43 N/S
COUNTY WINDSOR
TOWN HARTFORD

NOTE
INFORMATION SET FORTH IN THIS DRAWING IS PROPRIETARY WITH Seismic Energy Products, Inc. THIS DRAWING SHALL NOT BE REPRODUCED, COPIED, LOANED OR SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT EXCEPT FOR THE PURPOSE FOR WHICH IT WAS INTENDED.