



CONSTRUCTION LEADERS

LETTER OF TRANSMITTAL	
DATE: February 13, 2015	PCL JOB NO: 5515002
ATTN: Kristin Higgins, P.E.	TRANSMITTAL NO: 008

To: **State of Vermont Agency of Transportation**
 One National Life Drive
 Montpelier, VT 05633-5001
 (802) 828-0053

Re: Hartford Lateral Slide
 Project No.: IM 091-2(79)
 Contract ID.: 12A132

County: Windsor

PCL FILE NO: 5515002-7

WE ARE SENDING Attached Under separate cover via Email & SP the following:
 Shop drawings Prints Plans Samples Specifications
 Copy of Letter Change Order Other

COPIES	SPEC.	REVISION	DESCRIPTION
1	531.03		Bearing Fabrication Drawings, Welding Procedure Specifications & Welder Qualification Test Records

TRANSMITTED for as checked below:

For approval Approved as submitted Resubmit 1 Copies for approval
 For your use Approved as noted Submit Copies for distribution
 As requested Returned for corrections Return Corrected prints
 For review and comment

Remarks:

These fabrication drawings do not include a temperature setting table. PCL believes that it is not applicable to this particular situation. In addition, Seismic Energy Products is solely a fabricator and does not have the capabilities of producing this information.

Procedures for bonding the vulcanized plates together are also not included. Per Seismic Energy Products, the layers of rubber are vulcanized together under high pressure as a single unit in a mold. If molding procedures are required this information can be provided.

Please return an email of this approved submittal to Erich Heymann (ewheymann@pcl.com) and Jeremy Mackling (jmackling@pcl.com).

We request the review and return of this submittal within **14 calendar days**. The fabrication of the bearings is a long lead item. Please advise if this request cannot be met so we can plan accordingly.

By: **Erich Heymann**, Project Engineer

COPY TO: Project Files



CONSTRUCTION LEADERS

SUBMITTAL NO. : 007
Bearing Fabrication Drawings

Item No.	Specification	Description
1	531.03	Bearing Fabrication Drawings
2	531.03	Welding Procedure Specifications
3	531.03	Welder Qualification Test Records

PROJECT:
HARTFORD LATERAL SLIDE
PROJECT NO.: IM 091-2(79)
CONTRACT ID.: 12A132

OWNER:
STATE OF VERMONT AGENCY OF TRANSPORTATION

ENGINEER OF RECORD:
STATE OF VERMONT AGENCY OF TRANSPORTATION

CONTRACTOR:
PCL CIVIL CONSTRUCTORS, INC.

FEBRUARY 13, 2015

GENERAL NOTES

1. 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.

2. **MATERIALS:**
 ELASTOMER.....50 DURO NATURAL, GRADE 4
 (110 ± 15 psi)
 CARBON STEEL SHIMS.....ASTM A1011, GR. 40

3. **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

4. **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)

5. **TESTING:** PER SPECIFICATIONS CITED IN GENERAL NOTE #1.

6. **PAINT/FINISH:** EXTERNAL PLATES, RETAINER ANGLES AND HARDWARE HOT DIP GALVANIZED PER ASTM A123 OR ASTM A153 AS APPLICABLE.

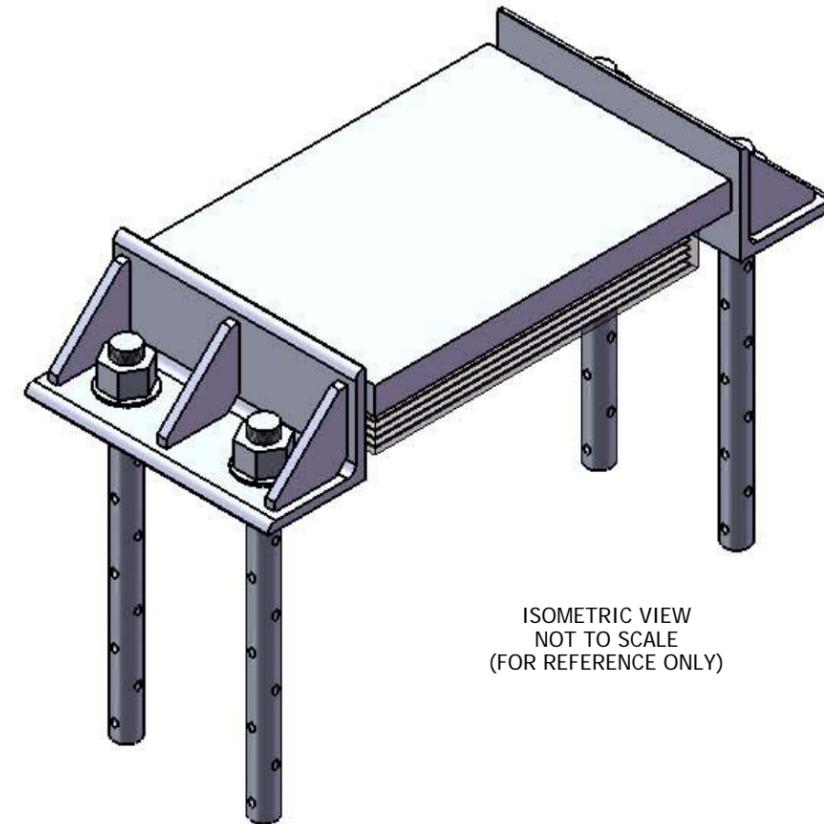
7. SEP TO PROVIDE ONLY THE ITEMS SHOWN ON THIS DRAWING.

8. **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.

9. **REPRESENTATIVE**
 CUSTOMER SERVICE: STEVE BOWMAN.....903-677-4318
 TECHNICAL: MIKE SPELLMAN.....903-677-4342

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

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



ISOMETRIC VIEW
 NOT TO SCALE
 (FOR REFERENCE ONLY)

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

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

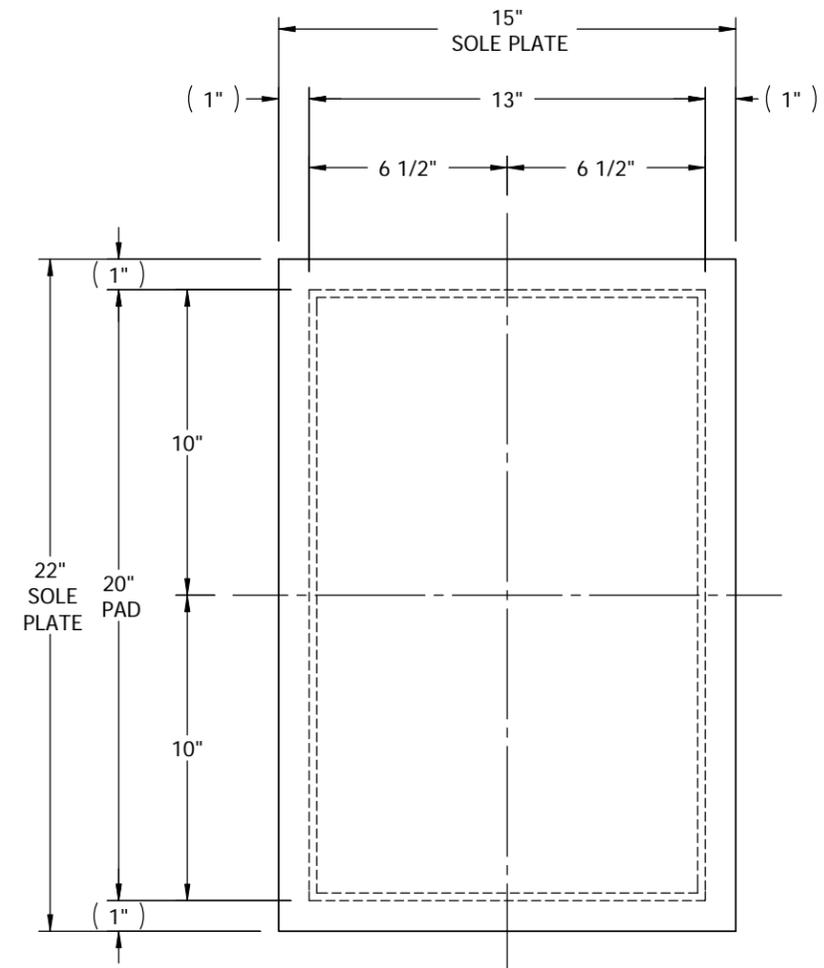
NOTE
 INFORMATION SET FORTH IN THIS DRAWING IS PROPRIETARY WITH Seismic Energy Products, Inc. THIS DRAWING SHALL NOT BE REPRODUCED, COPIED, LOANED OR SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT EXCEPT FOR THE PURPOSE FOR WHICH IT WAS INTENDED.

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

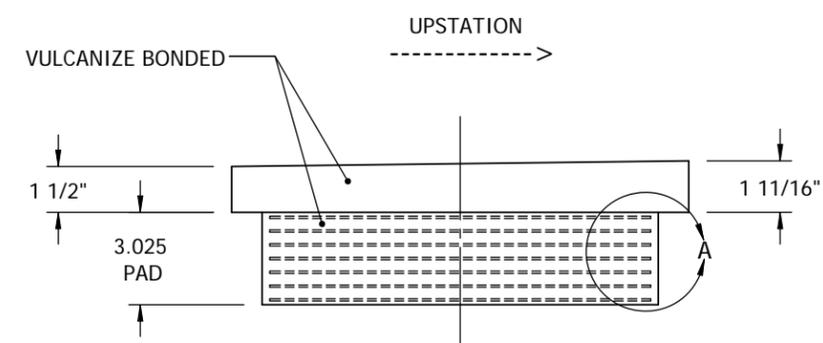
BEARING ASSY FOR:
 STATE OF VERMONT AGENCY OF TRANSPORTATION
 INTERSTATE 91 EXIT 11

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	

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

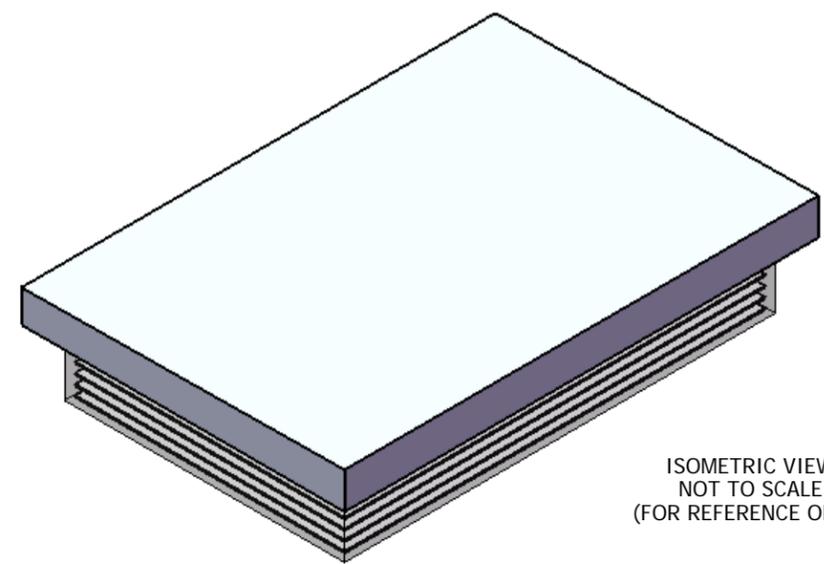


PLAN VIEW

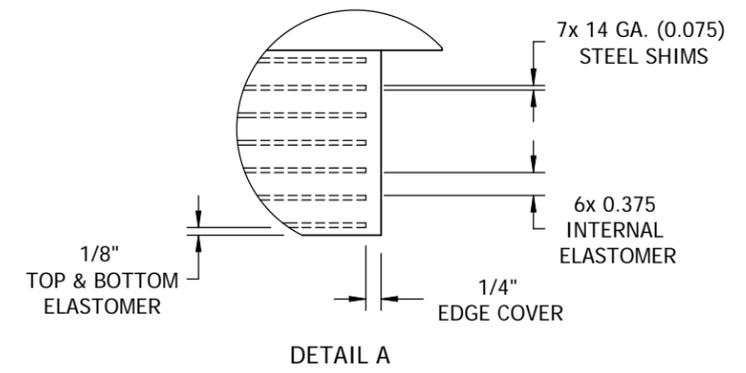


ELEVATION VIEW

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



ISOMETRIC VIEW
NOT TO SCALE
(FOR REFERENCE ONLY)



DETAIL A

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED

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

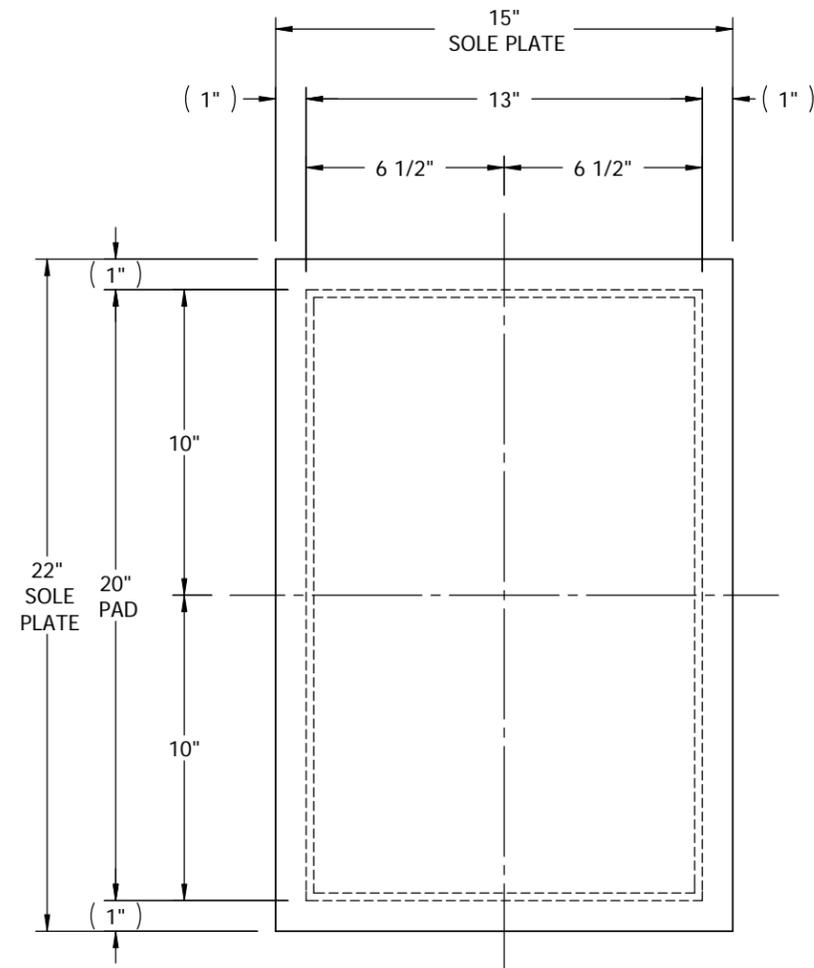
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SEP Seismic Energy Products, Inc.
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
ATHENS, TX PHONE: 903-675-8571

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

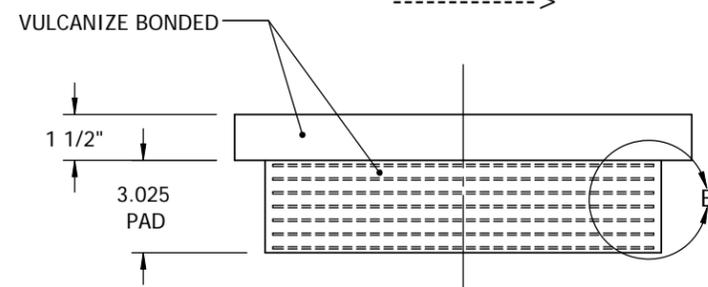
CONTRACTOR: PCL CIVIL CONSTRUCTORS			
DRAWN ALUTTRELL	DATE 2/9/15	PO # EM	
CHECKED	DATE	SO NO. & ST. 61614 VT	
REVIEWED	DATE		SHEET 2 OF 5

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



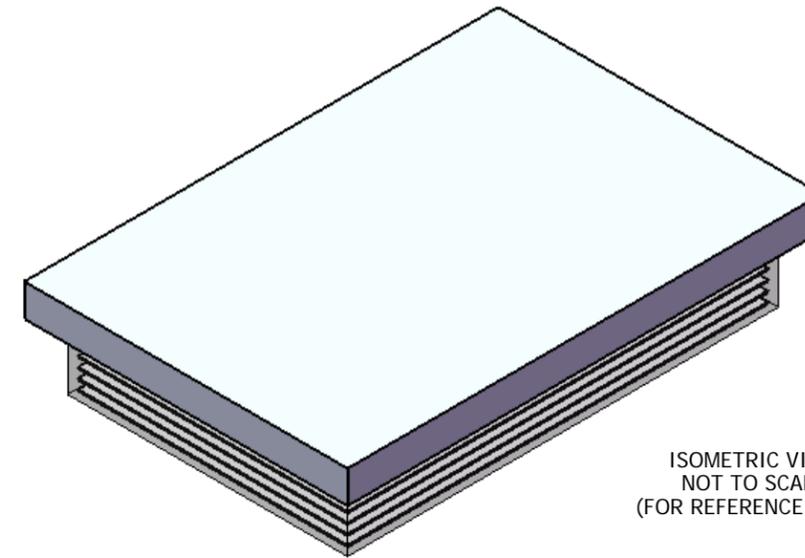
PLAN VIEW

UPSTATION
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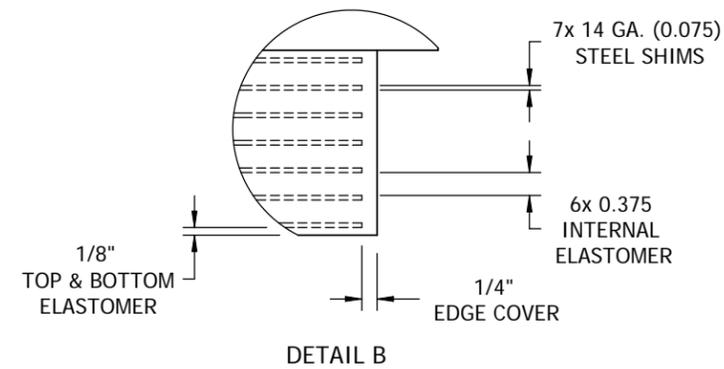


ELEVATION VIEW

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



ISOMETRIC VIEW
NOT TO SCALE
(FOR REFERENCE ONLY)



DETAIL B

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED

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

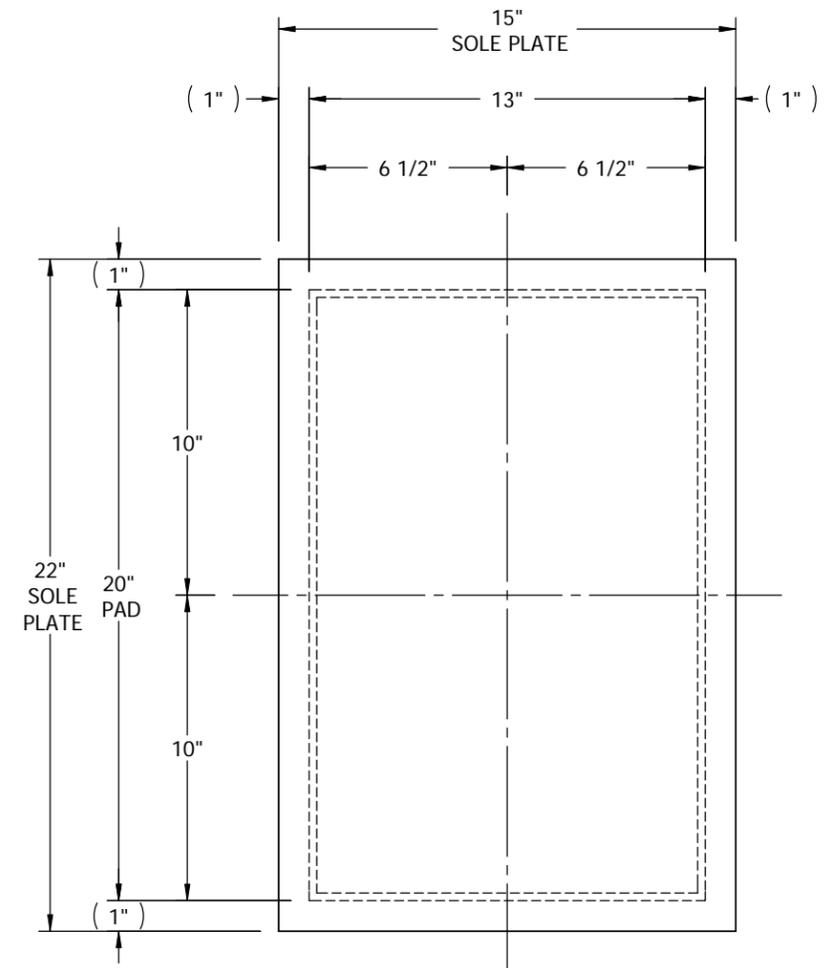
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SEP Seismic Energy Products, Inc.
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
ATHENS, TX PHONE: 903-675-8571

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

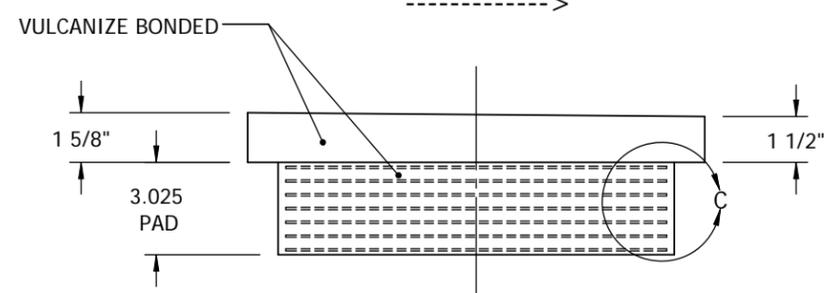
CONTRACTOR: PCL CIVIL CONSTRUCTORS			
DRAWN ALUTTRELL	DATE 2/9/15	PO # EM	
CHECKED	DATE	SO NO. & ST. 61614 VT	
REVIEWED MSPELLMAN	DATE 2/10/15	SHEET 3 OF 5	

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



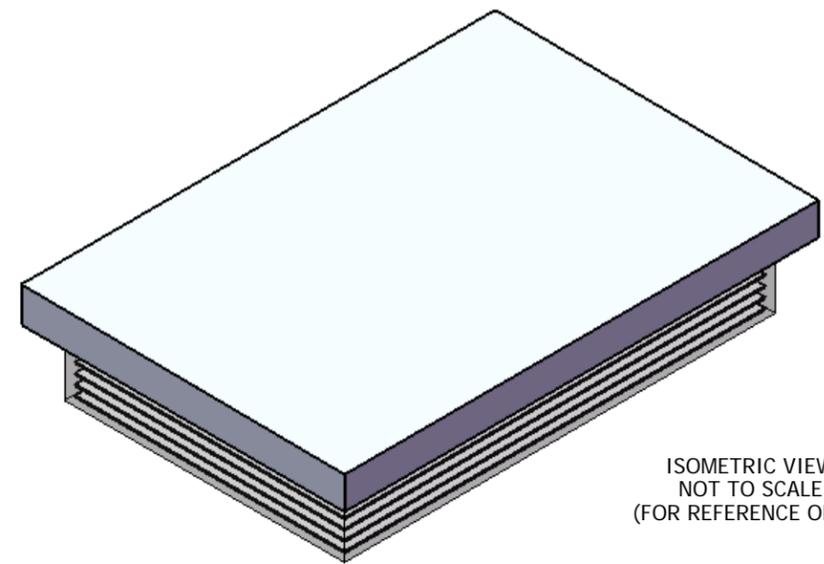
PLAN VIEW

UPSTATION
----->

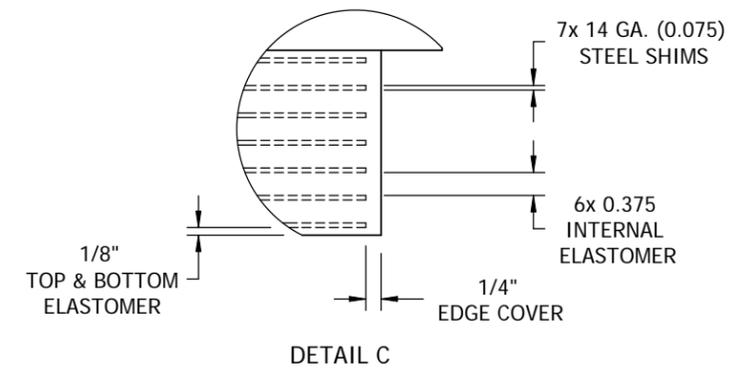


ELEVATION VIEW

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



ISOMETRIC VIEW
NOT TO SCALE
(FOR REFERENCE ONLY)



DETAIL C

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED

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

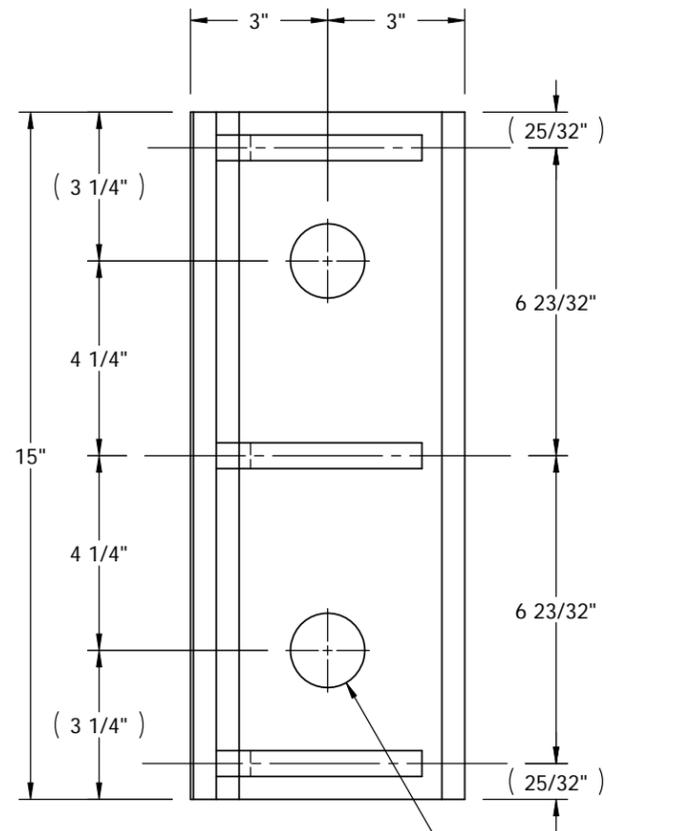
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SEP Seismic Energy Products, Inc.
STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS
ATHENS, TX PHONE: 903-675-8571

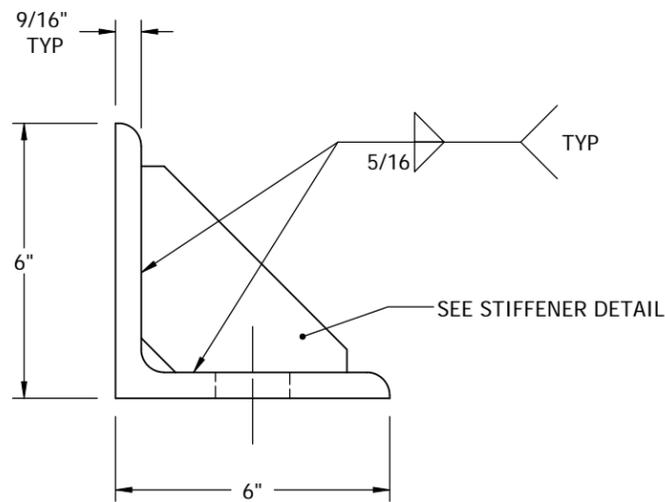
BEARING ASSY FOR:
STATE OF VERMONT AGENCY OF TRANSPORTATION
INTERSTATE 91 EXIT 11

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	

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

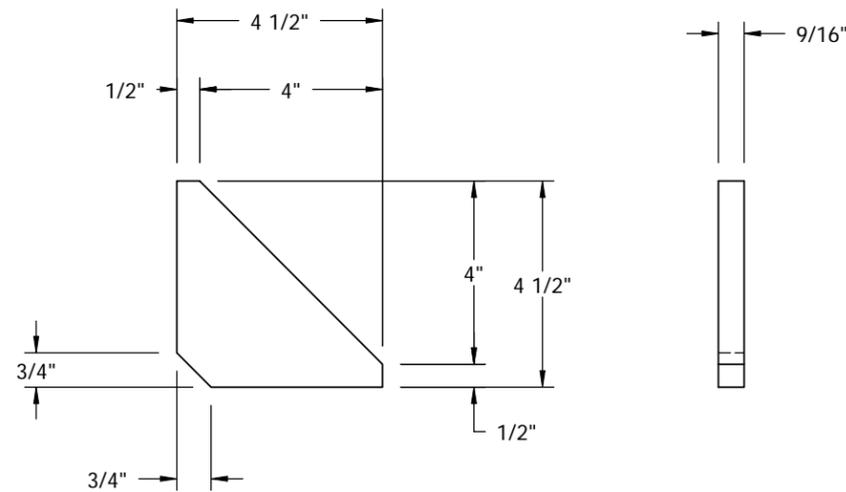


PLAN VIEW $\phi 1 \frac{5}{8}$ " THRU, TYP

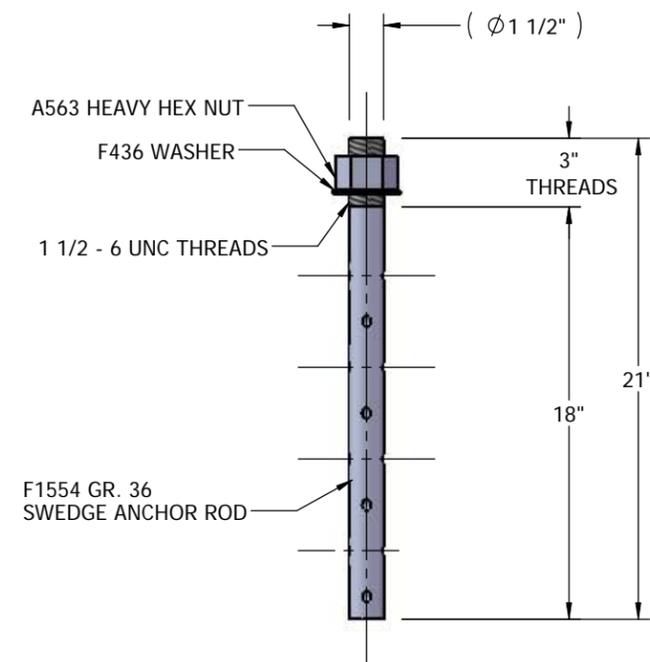


ELEVATION VIEW

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



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



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

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UNLESS OTHERWISE SPECIFIED

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

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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 5 OF 5	

Seismic Energy Products, L.P.

518 Progress Way
Athens, TX 75751
Phone: (903)675-8571
Fax: (903)675-8983

Welding Procedure Specification

Material Specification: ASTM 709, Grade A36

Welding Process: FCAW

Manual, Semiautomatic, or Automatic: SEMI-AUTO

Position of Welding: 1F

Filler Metal Specification: AWS A5.29

Filler Metal Classification: E81T1-Ni1CJ-H4

Flux: N/A

Electrode and Manufacturer: 81 NiC-H LINCOLN

Shielding Gas: 100% Co2 **Dew Point:** -128°F **Flow Rate:** 40cfm

Single or Multiple Pass: Single

Single or Multiple Arc: Single

Welding Current: DC

Polarity: DCEP

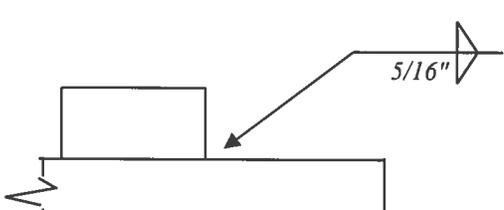
Welding Progression: Left to Right

Root Treatment: Wire Brush

Preheat and Interpass Temperature: 70° and 450° MAX.

Postheat Treatment: None

WELDING PROCEDURE

Pass No	Electrode Size	Welding Parameters		Travel Speed	Joint Detail
		Amperes	Volts		
All	0.0625	300-325	27-30	12 IPM	

Procedure File#: TP4 **Contractor:** Seismic Energy Products, L.P.

Revision: WPS # NY-01 **Date:** 2/12/2015

NEW YORK STATE DEPARTMENT OF TRANSPORTATION - WELDING PROCEDURE QUALIFICATION RECORD

Fabricator Seismic Energy Products Test Date 4/14/10 Process FCAW Filler Metal Classification E81Ti-Ni2C Electrode(s) Lincoln Ultracore 81Ni2C Flux N/A

(1) Diameter 1/16" Amps 310 Volts 33 Current & Polarity DC-Rev (2) (3) Shielding Gas 100% CO2 Flow Rate 40 CFH Dew Point -128°F Travel Speed 12 I.P.M. Material Specification & Thickness A588-1" Preheat Temp. 200°F Interpass Temp. 450°F max. Heat Input 51,150 FCM Yes No

Table with columns SPECIMEN and TEST RESULTS. Rows include All Weld Metal Tension (AWMT), Side Bends, Reduction Section Tension, Charpy Impact (Weld Metal), and Chemistry.

REMARKS:

PQR# TP4 Position- 1G

NYS DOT METALS ENGINEERING REVIEW stamp with signature R. Cosgrove and date 5/5/10.

Test Witness: John Martin Agency: NDT Results Reviewed: RMC DOT Acceptance: R. Cosgrove Date: 5/5/10

Dynamic Laboratories Incorporated

3850 Underwood - Ln Paris, Texas 77571 - USA
 Phone-281-478-0239 Fax-281-478-0209
 Welding Performance • Welding Procedures • Materials Testing

Client :
 Attention :

Seismic Energy Products
 Jerry Bolton

Date : 5/4/2010
 Lab. No. : MT10 - 249

Page 1 of 1

Weld Procedure Qualification Report per ASME Sec. IX, Latest Ed.

Material Info. : 1 125" A588 Welded To A588
 Process : FCAW - 1G - E81T-1-N1
 Welder Name : Duans Pruitt

WPS : N/A
 PQR : N/A

All Weld Tensile Test

Diameter"	Area (in ²)	GL	Final GL	Yield, Lbs.	YS, psi	UTL, Lbs.	UTS, psi	%EI	%RoA
0.502	0.197	2	2.56	15,260	77,500	16,820	85,400	26.0%	71%

Crossweld Tensile Test

	W x T"		Area(In ²)	GL	Final GL	Yield. Lbs.	YS, psi.	UTL, Lbs.	UTS, psi.	EI.	Fracture Location / Type
	W	T									
T1.	1.007	1.043	1.050	2	2.69	66,500	63,300	89,280	85,000	34.5%	Base / Ductile
T2.	1.008	1.044	1.052	2	2.67	72,400	68,600	90,790	86,300	33.5%	Base / Ductile

Transverse Bend Tests

Side Bend - 1 Satisfactory	Side Bend - 2 Satisfactory	Side Bend - 3 Satisfactory	Side Bend - 4 Satisfactory
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ASTM A370 E23 Charpy Impact Tests : 10 x 10mm x 2v

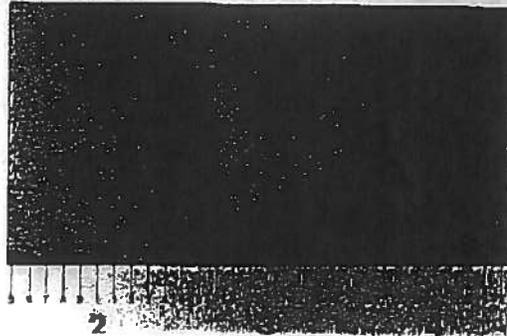
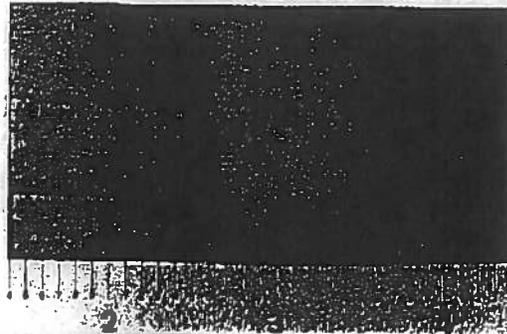
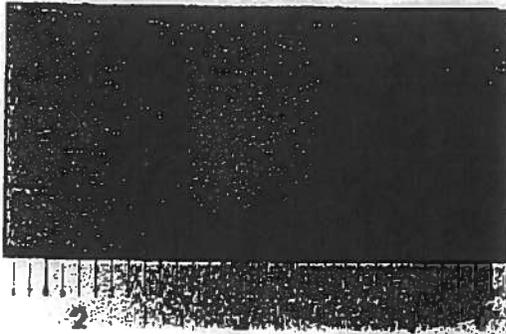
Location Weld	Test Temp. -20°F	Ft. / Lbs.				Avg *	% Shear	MLS Lateral Expansion
		57	48	17	28	27	33.7	30 - 30 - 30

* HI and Lo Removed for Average.

Weld Metal Chemical Analysis

C	Mn	P	S	Si	Ni	Cr	Mo	V	Al	Cu
.06	1.03	.01	.004	.22	.90	.08	.007	.02	.008	.06

Macro Exam



Dynamic Laboratories, Inc. Rep. :

Brian Bentley
Inspector

Dynamic Laboratories Incorporated

3650 Underwood - La Porte, Texas 77571 - USA

Phone-281-478-0239 Fax-281-478-0259

Welder Performance * Welding Procedures * Materials Testing

Client : Seismic Energy Products
 Attention : Jerry Bolton

Date : 5/4/2010
 Lab. No. : MT10 - 249

Page 1 of 1

Weld Procedure Qualification Report per ASME Sec. IX, Latest Ed.

Material Info. : 1.125" A588 Welded To A588
 Process : FCAW - 1G - E81T-1-Ni1
 Welder Name : Duane Pruitt

WPS : N/A
 PQR : N/A

All Weld Tensile Test

Diameter "	Area (in ²)	GL	Final GL	Yield, Lbs.	YS, psi	UTL, Lbs.	UTS, psi	%El.	%RoA
0.502	0.197	2	2.56	15,260	77,500	16,820	85,400	28.0%	71%

Crossweld Tensile Test

	W" x T"	Area(in ²)	GL	Final GL	Yield, Lbs.	YS, psi.	UTL, Lbs.	UTS, psi.	El.	Fracture Location / Type
T1.	1.007 1.043	1.050	2	2.69	66,500	63,300	89,280	85,000	34.5%	Base / Ductile
T2.	1.008 1.044	1.052	2	2.67	72,400	68,800	90,790	86,300	33.5%	Base / Ductile

Transverse Bend Tests

Side Bend - 1 Satisfactory Side Bend - 2 Satisfactory Side Bend - 3 Satisfactory Side Bend - 4 Satisfactory

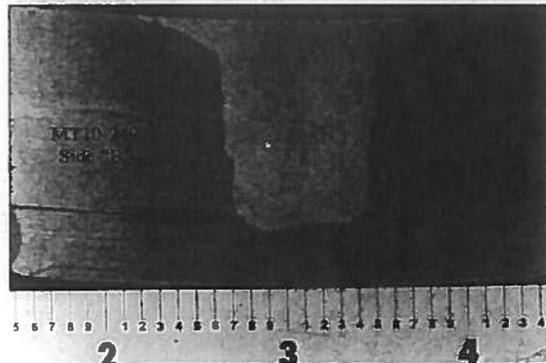
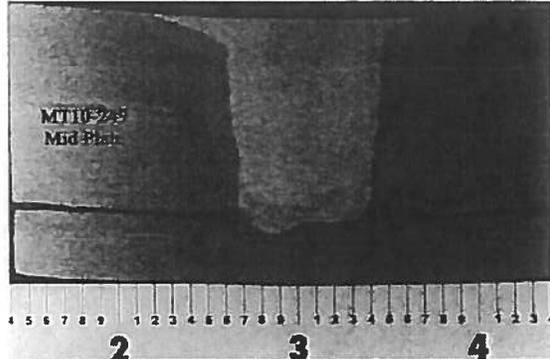
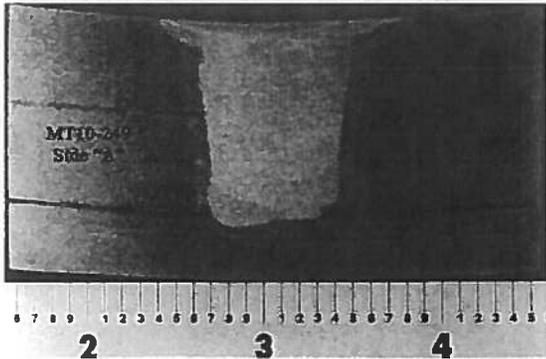
ASTM A370 E23 Charpy Impact Tests : 10 x 10mm x 2v

Location Weld	Test Temp. -20°F	57	48	Ft. / Lbs. 17	26	27	Avg.* 33.7	% Shear 30 - 30 - 30	MLS Lateral Expansion 40 - 25 - 22
* Hi and Lo Removed for Average.									

Weld Metal Chemical Analysis

C	Mn	P	S	Si	Ni	Cr	Mo	V	Al	Cu
.06	1.03	.01	.004	.22	.90	.08	.007	.02	.008	.06

Macro Exam



Seismic Energy Products
518 Progress Way
Athens, Texas 75751

Welder or Welding Operator Qualification Test Record (WPQR)

Welder's Name: Whitley, Jeremy Stamp: 7442
 Test WPS No. SEP.312, .375, .500 Rev.: 0 WPQ No.: 7442 Date: 6/20/2011 Page 1

Type of joint welded: Plate Fillet weld
 Joint type(s) qualified: All applicable fillet welds (except T-, Y- & K-connection fillet welds)
 Base metal(s) welded: ASTM 709 Grade 50W (A588) to ASTM 709 Grade 50W (A588)

Variables (Table 4.12)	Actual Values Used		Range Qualified
	FCAW / Semiautomatic	FCAW / Semiautomatic, Machine, and Automatic	
Welding process / type			
Base metal thickness - groove (in.)	N/A		N/A
Base metal thickness - fillet (in.)	1/2"		1/8" to unlimited
Pipe diameter - groove (in.)	N/A		N/A
Pipe diameter - fillet (in.)	N/A		All diameters
Box tube size (in.)	N/A		All sizes
Dihedral angle - fillet	90		60° to 135°
Racking	Backing used		With backing only
Filler metal classification	E8111-Ni1		
Filler metal specification	5.29		
Filler metal F-No.	6		N/A
Welding position - groove	N/A		N/A
Welding position - fillet	2F - Horizontal		Flat & Horizontal
Weld progression	N/A		N/A
Shielding gas	100% CO2		
Welding current / polarity	DCRP (reverse)		
Transfer mode (GMAW)	N/A		N/A
Single / multiple electrode	N/A		N/A

Notes:

Visual inspection acceptable: Yes Other test results: _____

Fillet Test Results

Appearance: Acceptable Fillet size: 5/16"
 Fracture test root penetration: Acceptable Macroetch: Acceptable

Organization: Red Ball Oxygen Test No.: 7442-06-20-2011

Inspected by: *Steven D. Downes* Steven D. Downes  STEVEN D. DOWNES 6/20/2011 CWI/CWEL/CRI/ASNT Lv II
 Date: 6/20/2011 OCT 17 2011

We, the undersigned, certify that the statements in this record are correct and that the welds were prepared and tested in conformance with the requirements of AASHTO/AWS D1.5M/D1.5, 2010 Bridge Welding Code

Manufacturer or Contractor: Seismic Energy Products

Certified By: _____ Date: _____

Jeremy Whitley

Welding Log Sheet for 2013+2014

Date	Name of Job	Sales Order	MK. #	WPS #	PQR #	Process
01-10-13	Daleo	54560	2	NY-01	TP-4	FCAW
01-24-13	Pulice	50723E	02A+B	SEPA36-A240	SE-09	GTAW
01-29-13	Reece	55018	02A+B	SE-02	PQ	SMAW
03-14-13	Dondlinger	54284	03A-D	SE-04	SE-04	GTAW
03-06-13	Dondlinger	54284	04	NY-01	TP-4	FCAW
03-20-13	Hall	54259A	1-5	NY-01	TP-4	FCAW
04-05-13	Burleigh Construction	55583	02A+B	NY-01	TP-4	FCAW
05-25-13	Daleo	56096	01+02	SE-02	PQ-D1.5	SMAW
06-02-13	SKanska	55509	02	SEPA36-A240	SE-09	GTAW
05-31-13	Gibson + Associates	55929	1,2,3	NY-01	TP-4	FCAW
06-26-13	Halmar Int'l.	54774	1+2	NY-01, SEP011	TP-4, PQ	FCAW SS to F.S.
06-30-13	Norfolk	56360	1-3	SE-04	PQ D1.1	GTAW
05-08-13	Beverly's Const.	55311	1+2	NY01	TP-4	FCAW
06-20-13	Grangaard Const.	55826	02	NY01	TP-4	FCAW
07-10-13	Frontier West	56449	01-04	SEPA-36-A240	SE-09	GTAW
09-06-13	Schutt-Lockbill Co.	56147	1,2,3,5,7	SE-02	PQ	SMAW
09-19-13	Balfour Beatty	55174A	1	SEPA-36-A240	SE-09	GTAW
10-07-13	Sherwood Construction	55603	1+2	SEP08	PQ	FCAW SS to S.S.
10-08-13	Balfour Beatty	55174A	03	SEPA36-A240	SE-09	GTAW
12-01-13	Build Molds for Sherwood	55603	1-7	SE-02	PQ	SMAW
01-03-14	Repair Molds w/handles			NY-01	TP-4	FCAW
01-03-14	Weld Exhaust Manifolds			SE-04	SE-04	GTAW w/filter
04-04-14	Nick V. Malobes N.M.	58131	02	NY-01	TP-4	FCAW
04-07-14	Charles Vrana NE.	58284	02	SEPA36-A240	SE-09	GTAW
04-21-14	Daleo CO.	59007	02	NY-01	TP-4	FCAW
05-01-14	Keiwi infrastructure	57252A	04A-E	NY-01	TP-4	FCAW
05-25-14	Arberio	58121	01-A+B	NY-01	TP-4	FCAW
05-30-14	Rotha Contracting	58049	03-06	NY-01	TP-4	FCAW
06-01-14	Cold Springs Construction	58647	01+02	SE-02	PQ-D1.5	SMAW
07-03-14	Phillips Hardy KS	58600	01,02+04	NY-01, SE-02	TP-4, PQ	FCAW, SMAW
07-16-14	Sletten	58681	01	SEPA36-A240	SE-09	GTAW
07-25-14	Lonestare Rd.	58489	02	NY-01	TP-4	FCAW
08-01-14	Coppell	56985	05	SEPA-36-A240	SE-09	GTAW
08-11-14	State Hwy	60051	01	SEPA-36-A240	SE-09	GTAW
08-15-14	Daleo	54560	01	NY-01	TP-4	FCAW
08-22-14	Kibler	57001	01+03	NY01-SEPA36-A240	TP-4-SE09	FCAW+GTAW
09-02-14	Beverly's	59053	05	NY-01	TP-4	FCAW
09-11-14	Q+D	58898	01-03	NY-01	TP-4	FCAW
09-28-14	Walsh II	58265	14+-	NY-01-SEPA36-A240	TP-4-SE09	FCAW+GTAW
10-15-14	El Sol	56258	1-4	NY01	TP-4	FCAW
10-16-14	Keiwi	60547	02	NY01	TP-4	FCAW
11-07-14	Ed Kraemer	59469	All	NY01(SEP 2-36)	TP-4-SE09	FCAW+GTAW
11-14-14	Johnson	58391	all	NY01	TP-4	FCAW
11-27-14	Sullivan	550020	01	SE-02	PQ	SMAW
12-04-14	A+Kinson	58223	1+3	NY01	TP-4	FCAW
12-28-14	Johnson	58391A	1+3	NY01	TP-4	FCAW

