

REVISIONS		
REV.	DESCRIPTION	DATE
A	SUBMITTAL	2/25/14

**GENERAL NOTES**

- ALL BEARINGS SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTIONS 531 AND 731, UNLESS NOTED OTHERWISE. ANCHOR RODS PER 714.08.
- MATERIALS:**

ELASTOMER: LAMINATED.....60 ± 5 DURO NATURAL, GRADE 4  
 ELASTOMER: PLAIN.....(50 ± 5 DURO NATURAL, GRADE 4) *Use 60*

CARBON STEEL SHIMS.....ASTM A1011, GR. 40  
 (QUOTED 14 GA. IN LIEU OF 1/16" DUE TO AVAILABILITY)

EXTERNAL STEEL PLATES.....ASTM A588
- TOLERANCES:**

**LAMINATED PADS:**

VERTICAL.....-0, +1/4"  
 HORIZONTAL.....-0, +1/4"  
 THICKNESS OF LAYERS.....±1/8"  
 PARALLELISM TOP.....0.005 rad  
 PARALLELISM SIDES.....1/4"  
 EDGE COVER.....-0, +1/8"

**PLATES:**

THICKNESS.....±1/16"  
 LENGTH & WIDTH.....±1/4"  
 FLATNESS.....1/16"  
 HOLE POSITION.....±1/16" FROM C/L  
 HOLE SIZE.....-0, +1/16"  
 BEVEL SLOPE.....±0.002 rad
- MARKINGS:**

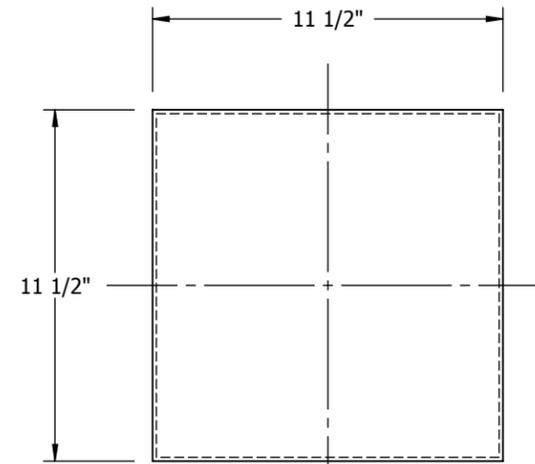
EACH BEARING SHALL BE PERMANENTLY MARKED IN A LOCATION THAT IS VISIBLE WHEN THE DEVICE IS INSTALLED IN THE COMPLETED STRUCTURE. MARKING SHALL BE SEP STANDARD:

CONTRACT/ORDER #  
 LOT #  
 BEARING ID # (MK. #)  
 LOCATION/BRIDGE #  
 ELASTOMER TYPE AND GRADE  
 ORIENTATION (WHERE APPLICABLE)
- PAINT/GALVANIZE: HARDWARE GALVANIZED PER ASTM A153/A123 AS APPLICABLE. NO FINISH ON ASTM A588 WEATHERING STEEL.
- TESTING: IN ACCORDANCE WITH THE VERMONT AOT SPECIFICATIONS.
- REPRESENTATIVE**

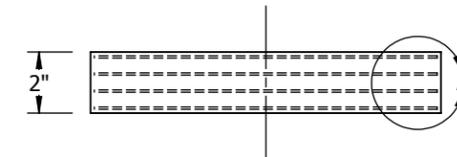
CUSTOMER SERVICE: STEVE BOWMAN.....903-677-4318  
 TECHNICAL: MIKE SPELLMAN.....903-677-4342

REVIEWER, PLEASE CONFIRM 50 DURO FOR PLAIN PADS

REVIEWER, SEP REQUESTS 1/16" FLATNESS IN LIEU OF 0.001 X NOMINAL



PLAN VIEW

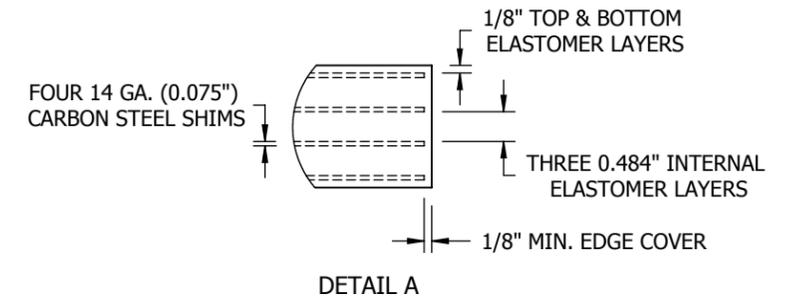


ELEVATION VIEW

**MK.01  
LAMINATED BEARING PADS**

(16) @ BRIDGE 15, BRF 0162(16)  
 (12) @ BRIDGE 16, BRF 0162(17)

**(28) REQ'D**



**SHOP DRAWING REVIEW**

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED  REVISE AND RESUBMIT  FURNISH AS CORRECTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

**Vanasse Hangen Brustlin, Inc.**  
 7056 US Route 7  
 North Ferrisburgh, VT 05473  
 802.425.7788

Job Number: 57526, 57527  
 Reviewed By: E.A. FIALA  
 Date: 3/4/2014

Vermont Agency of Transportation

**RECEIVED**  
 ON: February 28, 2014  
 and Checked for  
**CONFORMANCE**  
 BY: Jennifer Fitch DATE: 03/07/2014

**Seismic Energy Products, Inc.**

STRUCTURAL BEARINGS FOR BRIDGES & BUILDINGS  
 ATHENS, TX PHONE: 903-675-8571

**BEARING ASSY FOR:**  
 STATE OF VERMONT AGENCY OF TRANSPORTATION

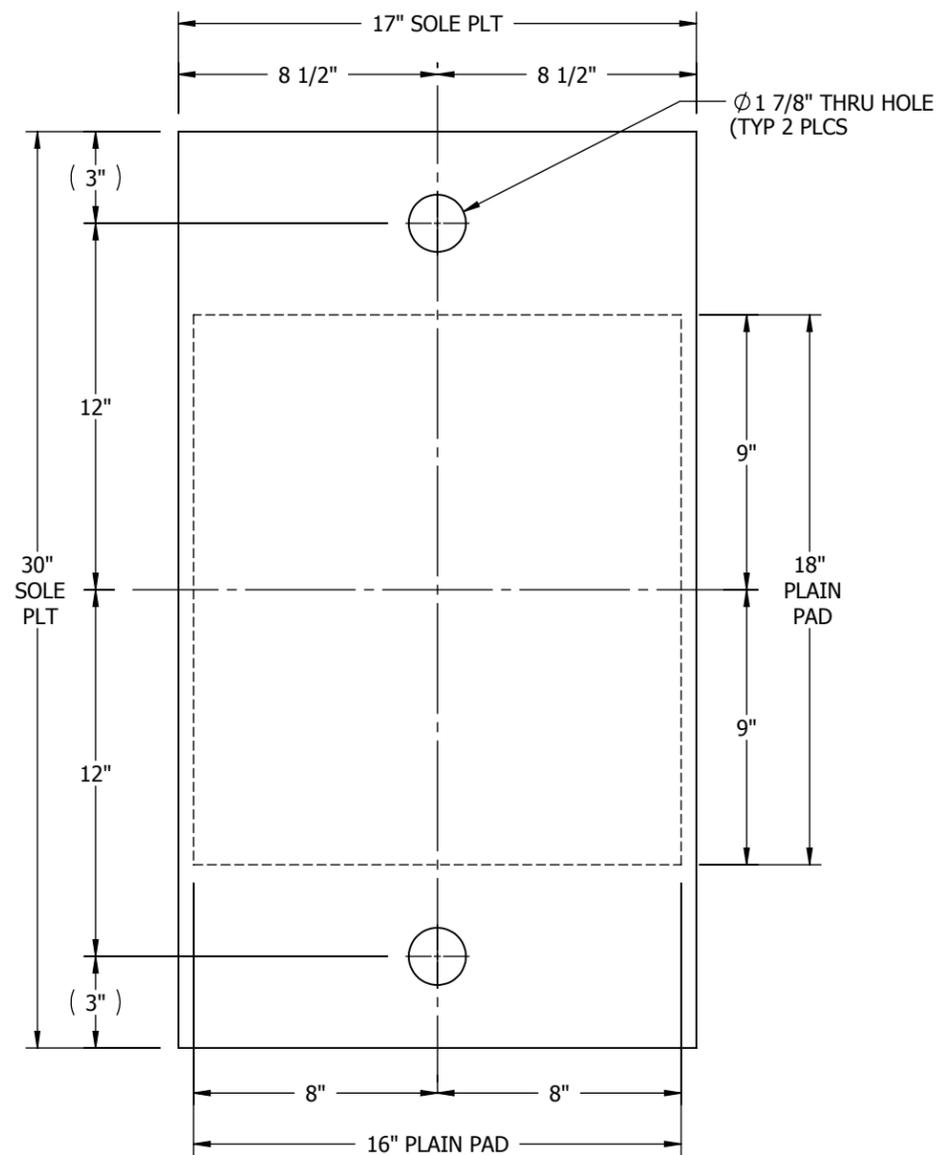
VT ROUTE 73 (RURAL MAJOR COLLECTOR)

CONTRACTOR:  
 W.M. SCHULTZ CONSTRUCTION, INC.

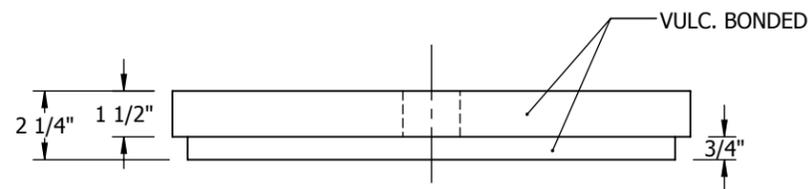
PROJECT NOS. BRF 0162(16), (17), (18)	DRAWN CWILLIAMS	DATE 2/10/13	PO # EMAIL
TOWN ROCHESTER	CHECKED .	DATE .	SO NO. & ST. <b>58055 VT</b>
COUNTY WINDSOR	REVIEWED MSPELLMAN	DATE 2/25/14	SHEET 1 OF 2
ROUTE NO 73			
BRIDGE NOS. 15, 16 & 19			

**GENERAL NOTES**

SEE SHEET 1



PLAN VIEW



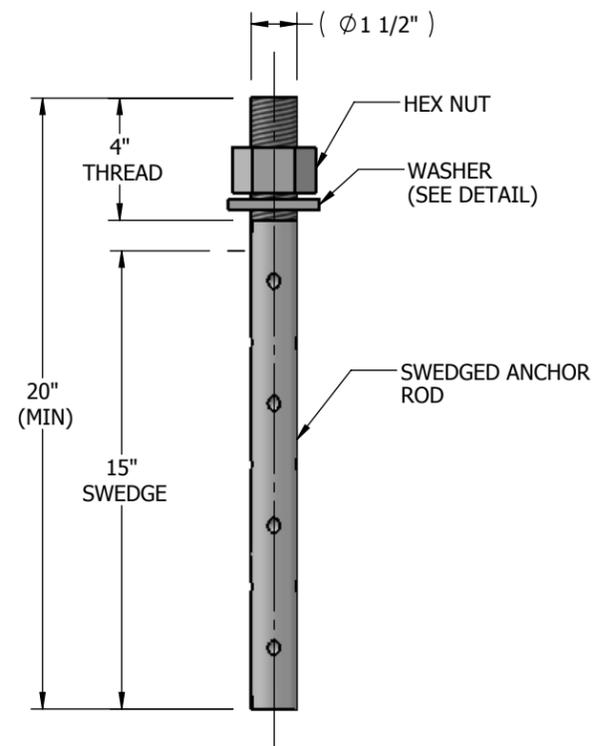
ELEVATION VIEW

**MK.02  
BEARING PAD ASSEMBLY**

@ ABUT 2, BRIDGE 19, BRF 016(18)  
FIXED

**(5) REQ'D**

ER BRF 0162(18)



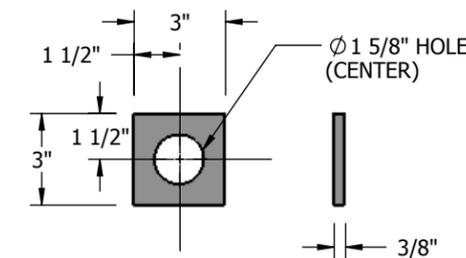
**MK.03  
ANCHOR ROD ASSEMBLY**  
1 1/2-6UNC X 20" (MIN.) LONG ASTM F1554 GR.55  
SWEDGED ANCHOR ROD  
WITH ONE ASTM A563 HEAVY HEX NUT  
AND ONE ASTM A36 PLATE WASHER (SEE DETAIL)  
ALL GALVANIZED PER ASTM A153/A123 AS APPLICABLE

@ BRIDGE 19, BRF 016(18)

**(10) ASSEMBLIES REQ'D**

ER BRF 0162(18)

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**WASHER DETAIL**  
3/8" X 3" X 3" ASTM A36  
STEEL PLATE WASHER  
W/  $\phi$  1 5/8" HOLE - CENTER

Vermont Agency of Transportation

**RECEIVED**

ON: February 28, 2014

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7055 US Route 7  
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802.425.7788

Job Number: 57517  
Reviewed By: E.A. FIALA  
Date: 3/4/2014

**Seismic Energy Products, Inc.**

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ATHENS, TX      PHONE: 903-675-8571

**BEARING ASSY FOR:**  
STATE OF VERMONT AGENCY OF TRANSPORTATION

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ROUTE NO 73			SHEET 2 OF 2
BRIDGE NOS. 15, 16 & 19			