

IN ACCORDANCE WITH CONTRACT PLAN SHEETS 59/91, 121/153 AND 174/207 OF 238, 9/3/2013

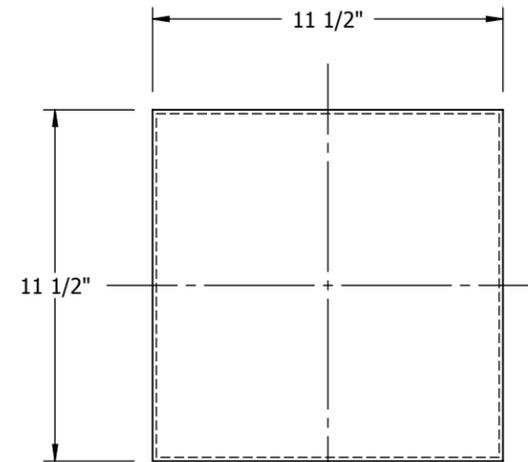
REVISIONS		
REV.	DESCRIPTION	DATE
A	SUBMITTAL	2/25/14
B	REVISE AND RESUBMIT	3/7/2014

GENERAL NOTES

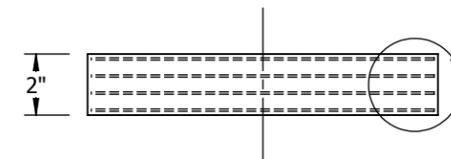
- ALL BEARINGS SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS, SECTIONS 531 AND 731, UNLESS NOTED OTHERWISE. ANCHOR RODS PER 714.08.
- MATERIALS:**
 ELASTOMER: LAMINATED.....60 ± 5 DURO NATURAL, GRADE 4
 ELASTOMER: PLAIN.....60 ± 5 DURO NATURAL, GRADE 4

 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



PLAN VIEW

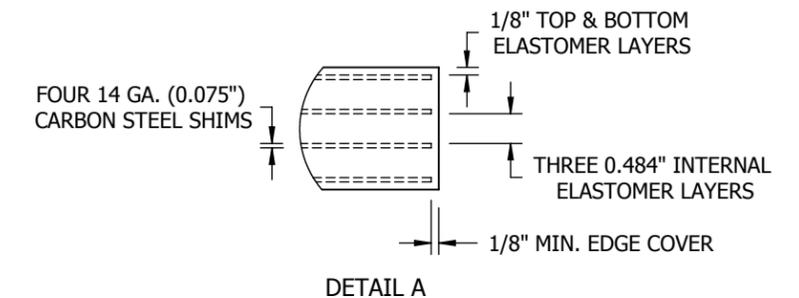


ELEVATION VIEW

**MK.01
LAMINATED BEARING PADS**

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

(28) REQ'D



DETAIL A

SHOP DRAWING REVIEW	
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	REJECTED
<input type="checkbox"/>	REVISE AND RESUBMIT
<input type="checkbox"/>	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 CORRELATING 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: <u>57526 57527</u> Reviewed By: <u>E.A. FIALA</u> Date: <u>04/03/2014</u>

Vermont Agency of Transportation

RECEIVED
 ON: **April 2, 2014**
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/11/2014

Seismic Energy Products, Inc.

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

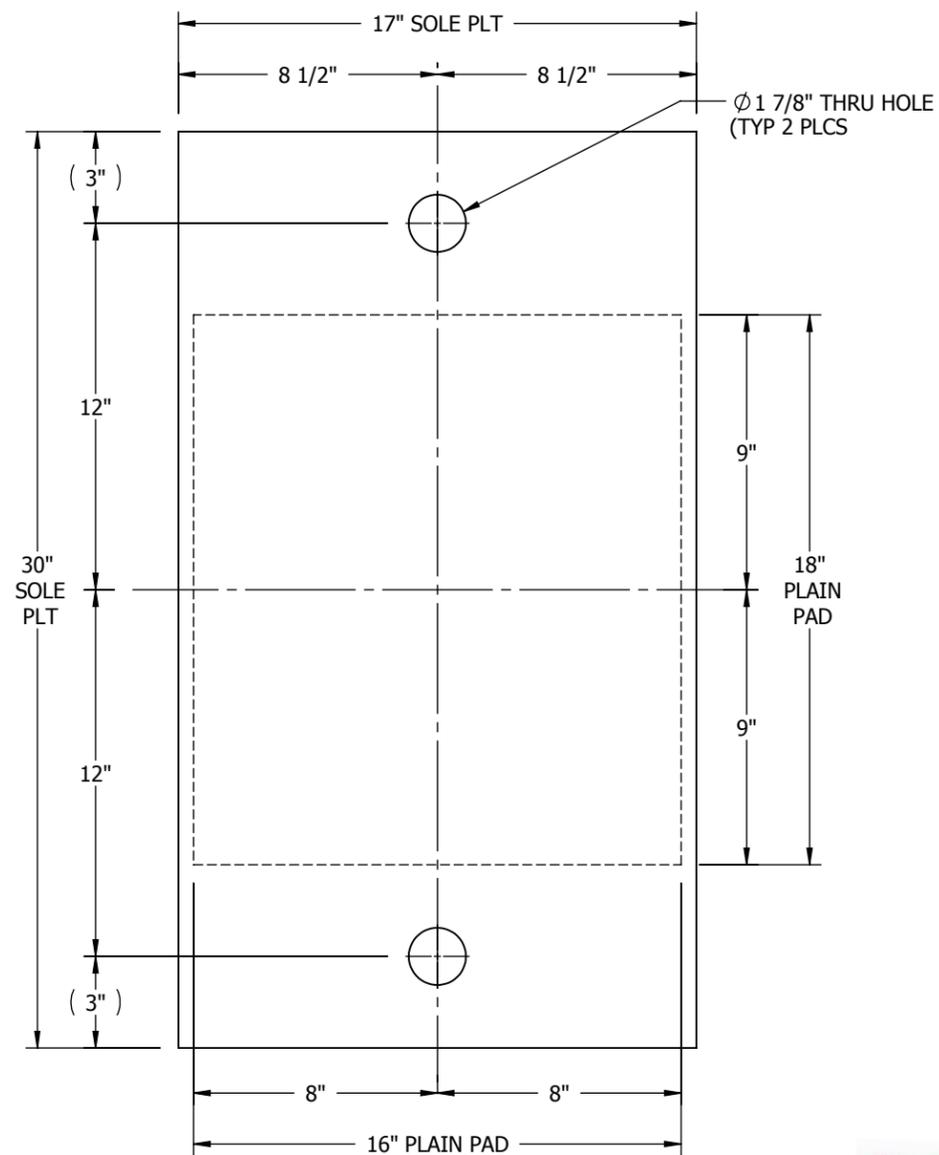
BEARING ASSY FOR:
 STATE OF VERMONT AGENCY OF TRANSPORTATION

VT ROUTE 73 (RURAL MAJOR COLLECTOR)

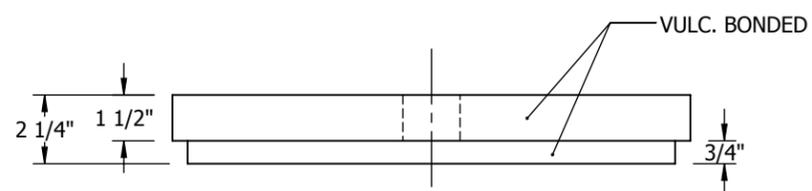
PROJECT NOS. BRF 0162(16), (17), (18)	CONTRACTOR: W.M. SCHULTZ CONSTRUCTION, INC.		
TOWN ROCHESTER	DRAWN CWILLIAMS	DATE 2/10/13	PO # EMAIL
COUNTY WINDSOR	CHECKED	DATE	SO NO. & ST. 58055 VT
ROUTE NO 73	REVIEWED MSPELLMAN	DATE 2/25/14	SHEET 1 OF 2
BRIDGE NOS. 15, 16 & 19			

GENERAL NOTES

SEE SHEET 1



PLAN VIEW

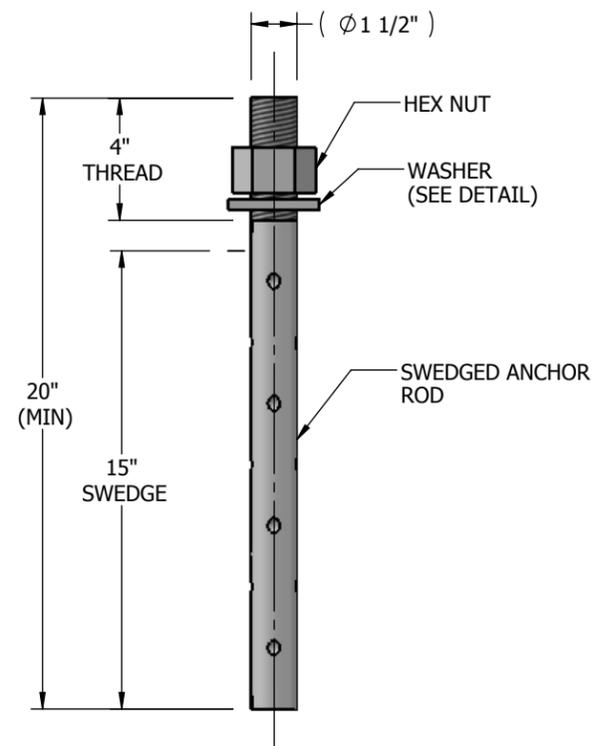


ELEVATION VIEW

**MK.02
BEARING PAD ASSEMBLY**

@ ABUT 2, BRIDGE 19, BRF 0162(18)
FIXED

(5) REQ'D

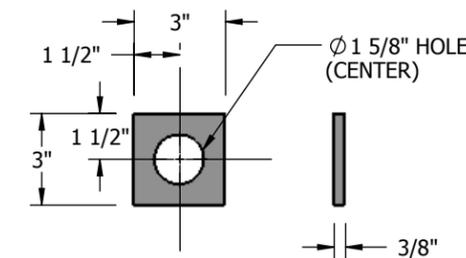


**MK.03
ANCHOR ROD ASSEMBLY**
1 1/2-6UNC X 20" (MIN.) LONG ASTM F1554 GR.55
SWEDGED ANCHOR ROD
WITH ONE ASTM A563 HEAVY HEX NUT
AND ONE ASTM A36 PLATE WASHER (SEE DETAIL)
ALL GALVANIZED PER ASTM A153/A123 AS APPLICABLE

@ BRIDGE 19, BRF 0162(18)

(10) ASSEMBLIES REQ'D

REVISIONS		
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WASHER DETAIL
3/8" X 3" X 3" ASTM A36
STEEL PLATE WASHER
W/ ϕ 1 5/8" HOLE - CENTER

Vermont Agency of Transportation

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Vanasse Hangen Brustlin, Inc. 7055 US Route 7 North Ferrisburgh, VT 05473 802.425.7788	Job Number: 57517 Reviewed By: E.A. FIALA Date: 04/03/2014

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.

DRAWN	DATE	PO #	EMAIL
CWILLIAMS	2/10/13		
CHECKED	DATE	SO NO. & ST.	
			58055 VT
REVIEWED	DATE		
MSPPELLMAN	2/25/14		SHEET 2 OF 2

BRIDGE NOS.
15, 16 & 19