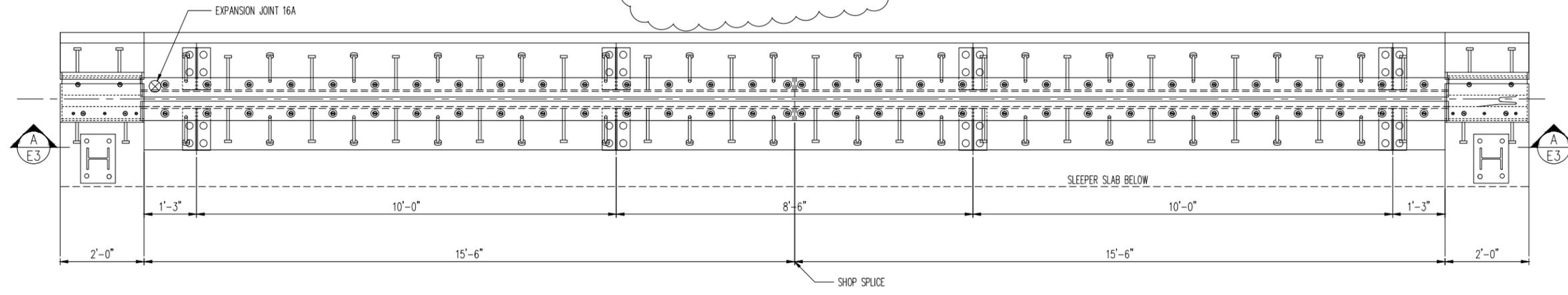
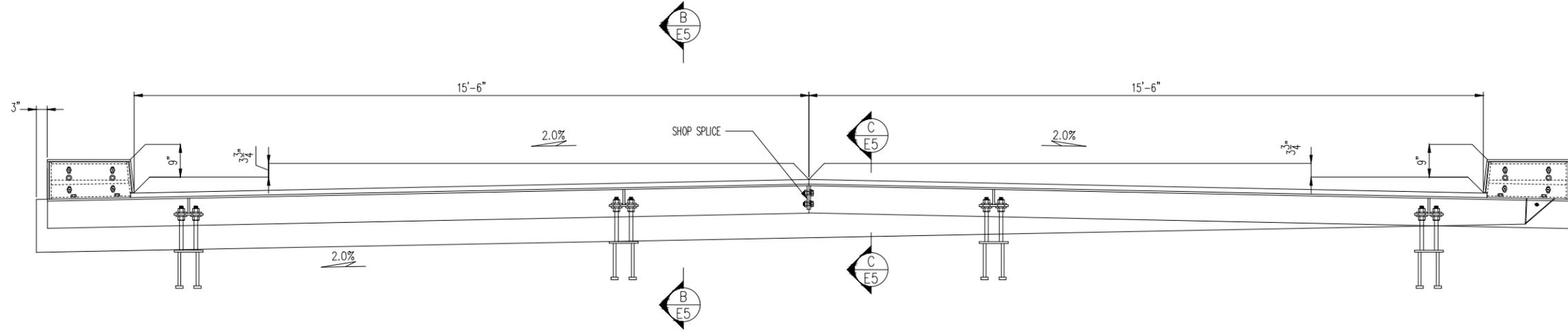


FIELD NOTE:  
EXPANSION JOINT ASSEMBLY  
WILL BE FURNISHED FULLY  
SHOP ASSEMBLED SEE  
SHEET 16.



PLAN VIEW AT ABUTMENT 2 APPROACH SLAB EXPANSION DAM  
LOOKING UP STATION



SECTION "A-A"  
LOOKING UP STATION

Vermont Agency of Transportation  
**RECEIVED**  
CK'D BY Stantec OK'D BY D Bonneau  
August 26, 2015  
RESUBMIT No Approved  
BY D Bonneau DATE 09/01/15

APPROVED: Approval of drawings and/or procedures indicates concurrence with the information presented and does not relieve the Contractor or Fabricator of compliance with all specifications and code requirements

APPROVED AS NOTED

REVISE AND RESUBMIT

NOT REVIEWED

Date: 8/27/15

By: *Thomas E. Kille*

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SEE SHEET 16 FOR JOINT ASSEMBLY AND GENERAL NOTES  
SEE SHEET 17 FOR BILL OF MATERIAL

REV.	DESCRIPTION	DATE	DET.	CKD.
△	REV. PER APPROVAL COMMENTS	8/25/15	JEB	JAC

LOCATION	ITEM	QUANTITY
BRIDGE — 1-89 EXIT RAMP B OVER STOWE ST	-	-
PROJECT — IM 089-2(43)	-	-
BRIDGE NO. — 46A	-	-
HIGHWAY NO. — INTERSTATE 89	-	-
DESIGNER — VERMONT AGENCY OF TRANSPORTATION	-	-
CUSTOMER — BECK AND BELLUCCI, INC	-	-

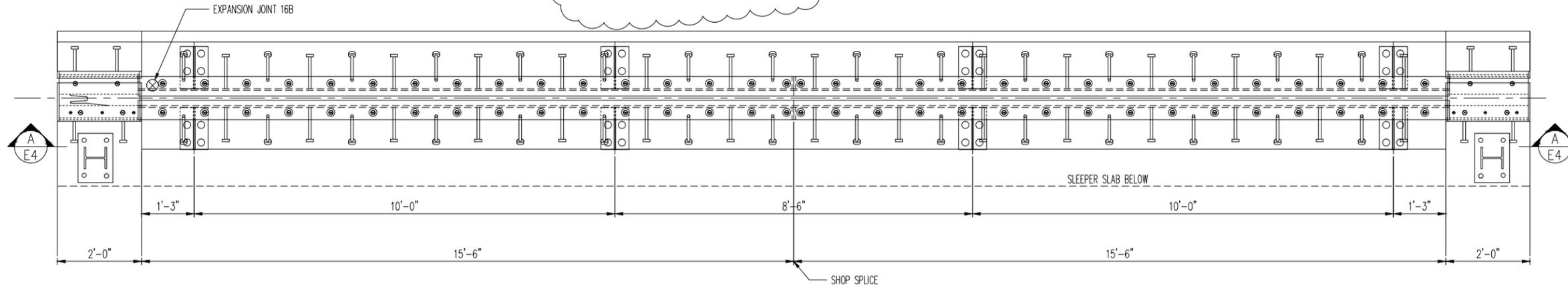
SCALE	DRAWN BY	CHECKED BY	DATE
N.T.S.	JAC	JEB	7/15/15

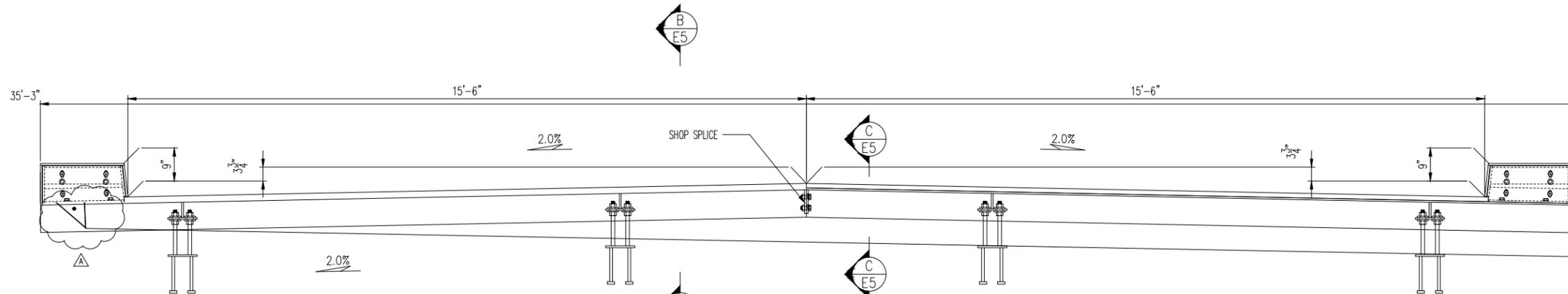
PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
44596	1043	1	E3

THE D.S. BROWN COMPANY  
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FIELD NOTE:  
EXPANSION JOINT ASSEMBLY  
WILL BE FURNISHED FULLY  
SHOP ASSEMBLED SEE  
SHEET 16.



PLAN VIEW AT ABUTMENT 1 APPROACH SLAB EXPANSION DAM  
LOOKING BACK STATION



SECTION "A-A"  
LOOKING BACK STATION

Vermont Agency of Transportation  
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APPROVED AS NOTED

REVISE AND RESUBMIT

NOT REVIEWED

Date: 8/27/15

By: *Thomas E. Kivler*

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SEE SHEET 17 FOR BILL OF MATERIAL

REV.	DESCRIPTION	DATE	JEB	JAC	DET.	CKD.
1	EXPANSION JOINT DETAILS ERECTION DETAILS	8/25/15				

LOCATION	TOWN OF WATERBURY	ITEM	QUANTITY
BRIDGE	1-89 EXIT RAMP B OVER STOWE ST	-	-
PROJECT	IM 089-2(43)	-	-
BRIDGE NO.	46A	-	-
HIGHWAY NO.	INTERSTATE 89	-	-
DESIGNER	VERMONT AGENCY OF TRANSPORTATION	-	-
CUSTOMER	BECK AND BELLUCCI, INC	-	-

SCALE	DRAWN BY	CHECKED BY	DATE
N.T.S.	JAC	JEB	7/15/15

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
44596	1043	1	E4

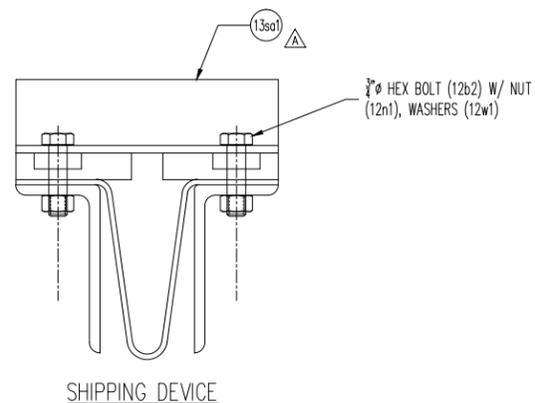
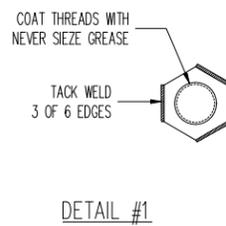
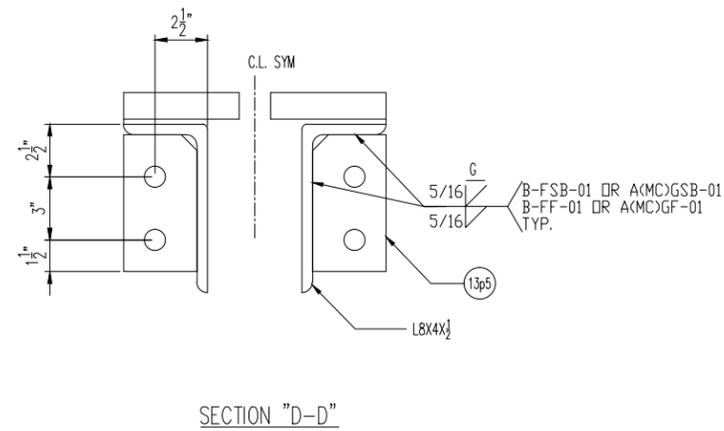
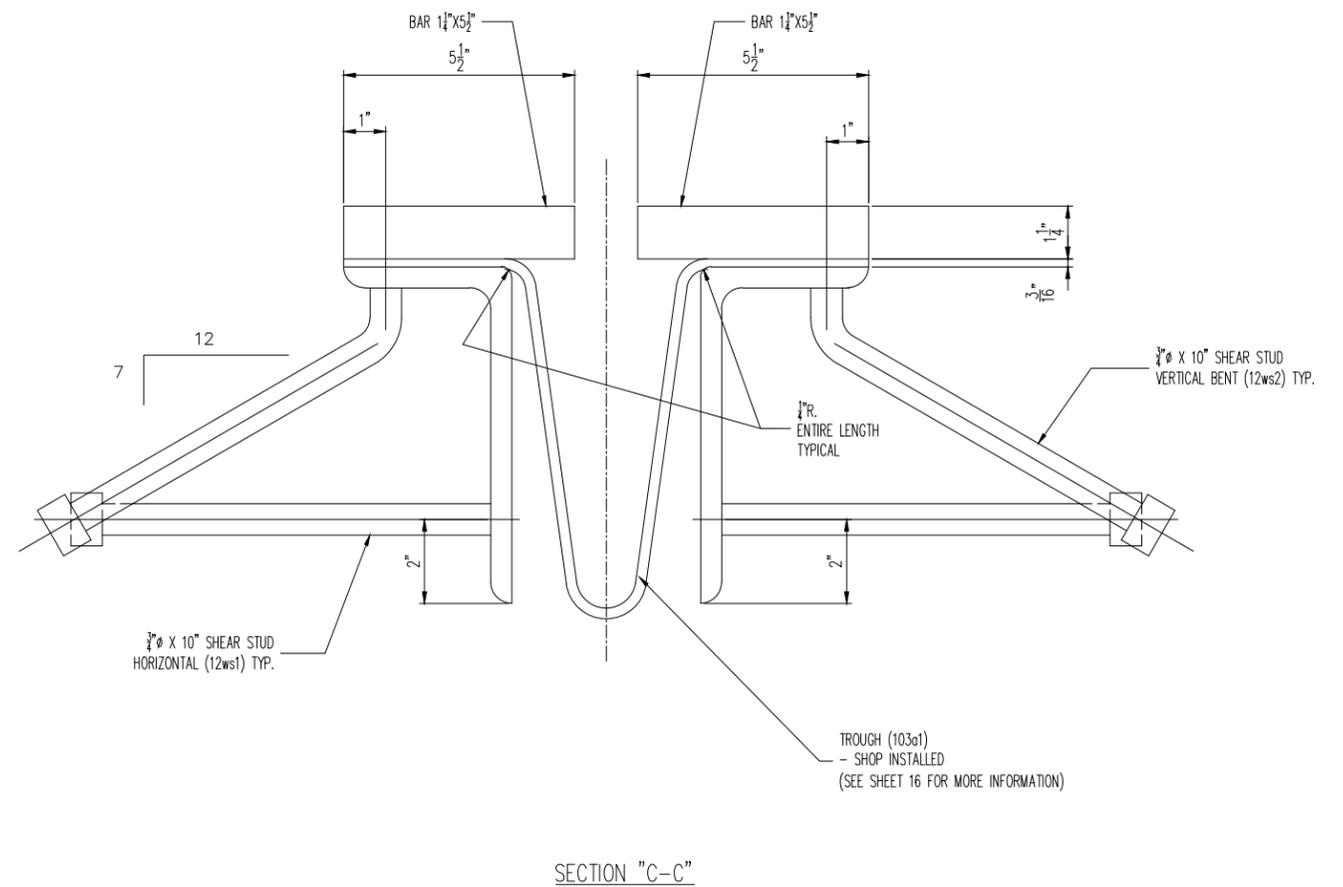
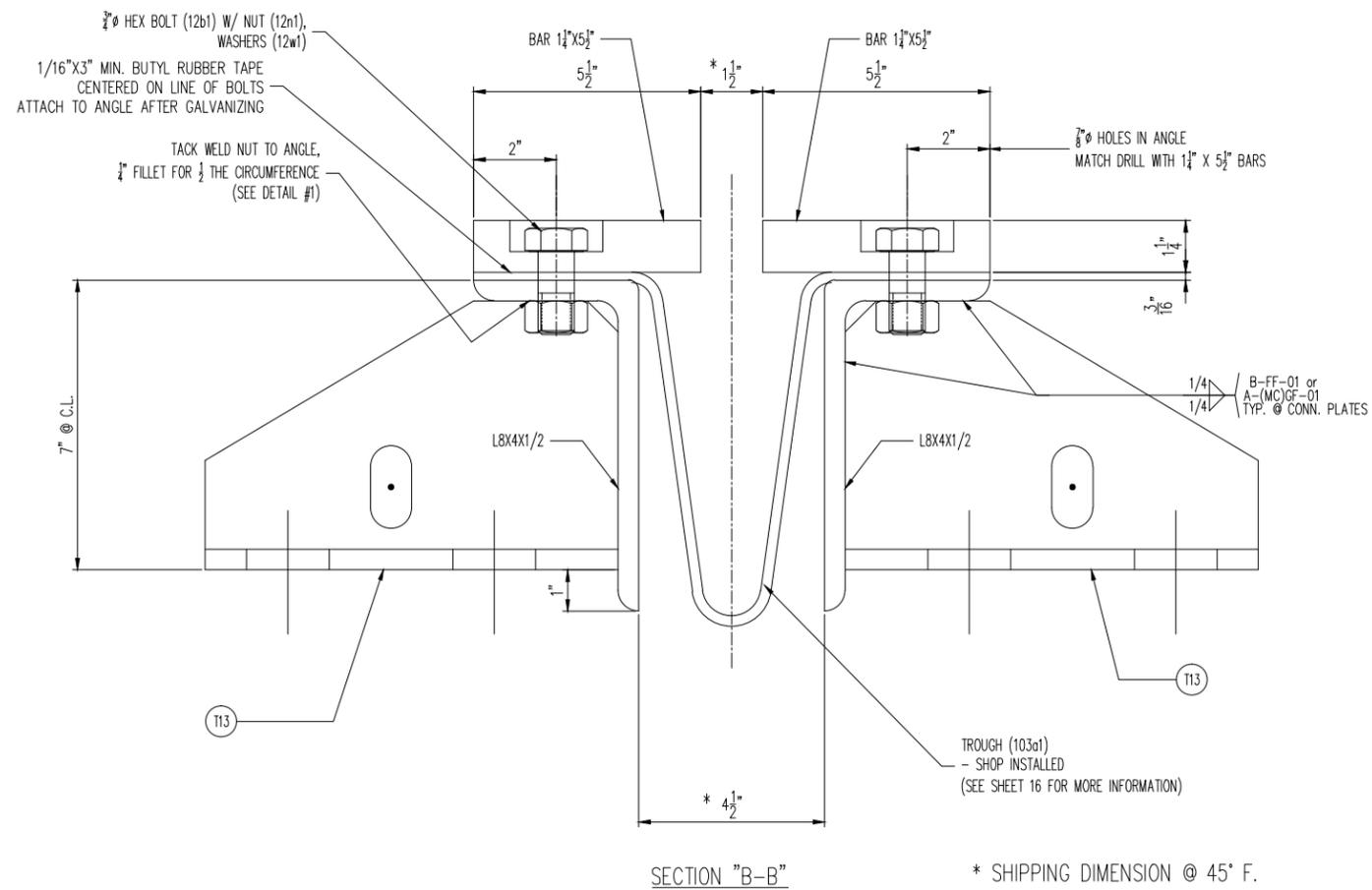












Vermont Agency of Transportation  
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APPROVED AS NOTED

REVISE AND RESUBMIT

NOT REVIEWED

Date: 8/27/15

By: *[Signature]*

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**Stantec**

SEE SHEET 16 FOR JOINT ASSEMBLY AND GENERAL NOTES  
 SEE SHEET 17 FOR BILL OF MATERIAL

REV.	DESCRIPTION	DATE	DET.	JEB	JAC	CKD.
1	REV. PER APPROVAL COMMENTS	8/25/15		JEB	JAC	

LOCATION	ITEM	QUANTITY
TOWN OF WATERBURY		
BRIDGE — I-89 EXIT RAMP B OVER STOWE ST		
PROJECT — IM 089-2(43)		
BRIDGE NO. — 46A		
HIGHWAY NO. — INTERSTATE 89		
DESIGNER — VERMONT AGENCY OF TRANSPORTATION		
CUSTOMER — BECK AND BELLUCCI, INC		

SCALE	DRAWN BY	CHECKED BY	DATE
N.T.S.	JAC	JEB	7/15/15

DESCRIPTION	PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
EXPANSION JOINT DETAILS FABRICATION DETAILS	44596	1043	1	12

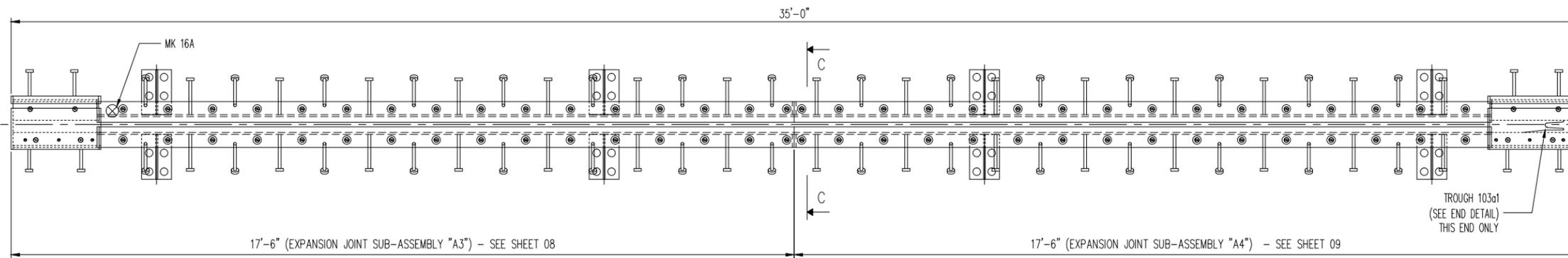
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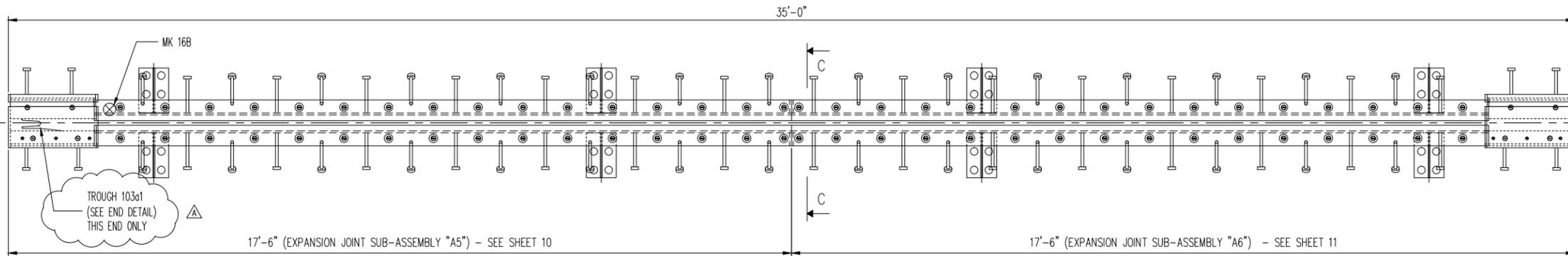




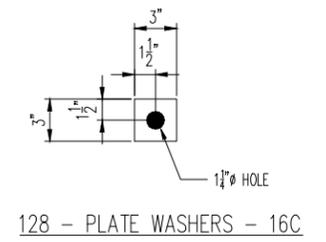




1 - EXPANSION JOINT - 16A  
ROADWAY SIDE UP



1 - EXPANSION JOINT - 16B  
ROADWAY SIDE UP



128 - PLATE WASHERS - 16C

GENERAL NOTES

MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2011 EDITION" AS MODIFIED BY THE CONTRACT PLANS. GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION, WELDING AND ASSEMBLY SHALL BE GOVERNED BY ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

ALL STUD ANCHORS SHALL BE ASTM-A108 STEEL AND AUTOMATIC END-WELDED w/ COMPLETE FUSION. B-FF-STUD-REP-01 OR A-SM-STUD-REP-01 WILL BE USED, AS REQUIRED, TO REPAIR STUD WELDS.

EXPANSION JOINT SHALL BE HOT-DIPPED GALVANIZED TO ASTM-A123 AFTER FABRICATION.

ANY TIGHTLY ADHERENT WELD SPATTER NEED NOT BE REMOVED IN COATED AREAS TO BE CAST IN CONCRETE. ANY GALVANIZED COATING DAMAGED DURING FIELD WELDING OR FROM OTHER CAUSES MUST BE REPAIRED IN ACCORDANCE WITH ASTM-A780.

ALL ASSEMBLIES TO BE PIECE MARKED.

EXPANSION JOINTS TO FOLLOW ROADWAY CROSS SLOPE AND GRADE.

CONTRACTOR TO POUR AND VIBRATE CONCRETE INTO BLOCKOUT TO ENSURE PROPER CONSOLIDATION AROUND ALL EMBEDDED COMPONENTS.

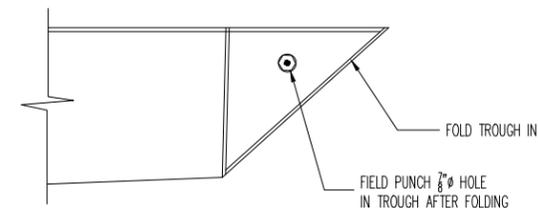
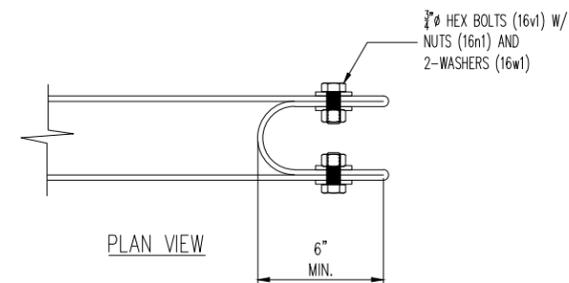
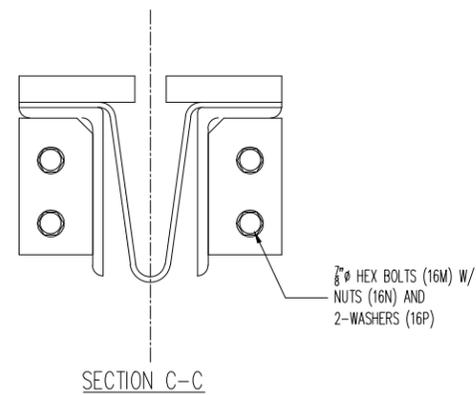
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION TO ENSURE ACCURACY OF THE EXPANSION JOINT. STAMPED APPROVED DRAWINGS ASSUME LENGTHS HAVE BEEN VERIFIED BY CONTRACTOR.

GRIND ALL EXPOSED EDGES OF STEEL PLATES AND SHAPES TO A 1/16" RADIUS PRIOR TO GALVANIZING

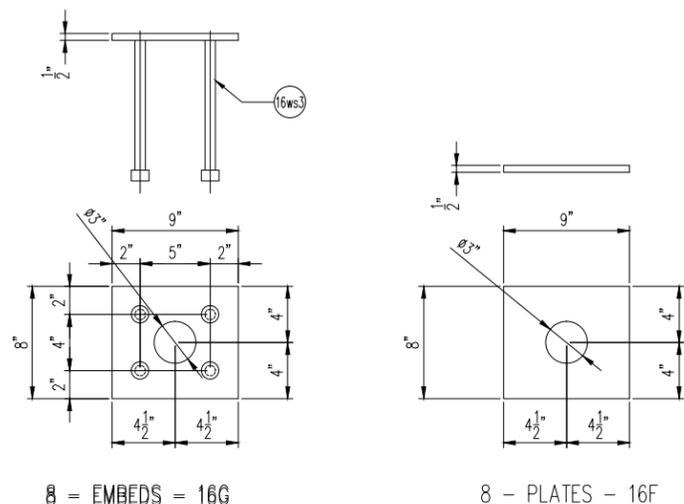
SEAL WELD ALL CONNECTIONS WHERE POSSIBLE.

BUTYL RUBBER TAPE SHALL CONFORM TO STANDARD SPECIFICATION 707.12 AND AASHTO M198, TYPE B.

SEE SHEET 16 FOR JOINT ASSEMBLY AND GENERAL NOTES  
SEE SHEET 17 FOR BILL OF MATERIAL



TROUGH END DETAIL #1



8 - EMBEDS - 16G

8 - PLATES - 16F

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APPROVED AS NOTED	
REVISE AND RESUBMIT	
NOT REVIEWED	
Date: <b>8/27/15</b>	
By: <i>Thomas E. Kille</i>	
<p>This review by Stantec Consulting Services Inc. is for the sole purpose of ascertaining conformance with the general design concept. This review shall not mean that Stantec Consulting Services Inc. approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor. Submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawing or of his responsibility for meeting all requirements of the Contract Documents. The contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to the fabrication processes or to techniques of construction and installation and for coordination of the work of all subcontractors.</p>	



Vermont Agency of Transportation  
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RESUBMIT No Approved  
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REV.	DESCRIPTION	DATE	JEB	JAC
A	REV. PER APPROVAL COMMENTS	8/25/15	JEB	JAC

LOCATION	ITEM	QUANTITY
TOWN OF WATERBURY		
BRIDGE - I-89 EXIT RAMP B OVER STOWE ST		
PROJECT - IM 089-2(43)		
BRIDGE NO. - 46A		
HIGHWAY NO. - INTERSTATE 89		
DESIGNER - VERMONT AGENCY OF TRANSPORTATION		
CUSTOMER - BECK AND BELLUCCI, INC		

SCALE	DRAWN BY	CHECKED BY	DATE
N.T.S.	JAC	JEB	7/15/15

DESCRIPTION	PRODUCT NUMBER	RELEASE	SHEET
EXPANSION JOINT DETAILS FABRICATION DETAILS	44596	1043	1

MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
16A	1	BOLT DOWN EXPANSION JOINT			35'-0"	3802	-
8a1	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
8a2	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
9a1	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
9a2	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
12b1	46	Ø3/4 X 2 1/4 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
12b2	18	Ø3/4 X 3 3/4 HEX HEAD BOLT	M164 (A325)		SHIPPING HARDWARE; M232-HDG (A153)	< 1	-
12n1	64	Ø3/4 HEX NUT	M291-A, HEAVY HEX (A563 GR A)		M232-HDG (A153)	< 1	-
12tp1	1	BUTYL RUBBER TAPE	-	70'-0"	SEE GENERAL NOTES;	-	-
12w1	64	Ø3/4 FLAT WASHER	M293 (F436)		M232-HDG (A153)	< 1	-
12ws1	34	Ø3/4 X 10 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
12ws2	38	Ø3/4 X 10 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
13p1	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13p2	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13p3	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13p4	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13pa1	8	1/2 X 6	M270 GR 50 (A709)	1'-0"	M111-HDG (A123)	10	-
13pa5	4	1/2 X 3 1/2	M270 GR 50 (A709)	0'-6 1/2"	M111-HDG (A123)	3	-
13pb1	8	1/2 X 8	M270 GR 50 (A709)	1'-0"	M111-HDG (A123)	14	-
13sa1	9	L3 1/2 X 3 1/2 X 3/8	M270 GR 36 (A709 OR A992)	1'-0 1/2"	SHIPPING ANGLE; M111-HDG (A123)	9	-
14a1	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	2	A
14a2	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-8 1/4"	M111-HDG (A123)	2	-
14a3	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	5	-
14a4	1	1/2 X 10 1/16	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	32	-
14b1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	16	-
14b2	1	1/2 X 11	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	36	-
14b3	1	1/2 X 8 7/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	13	-
14c1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	33	-
14d1	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 7/16"		29	-
14f1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
14g1	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	7	-
14g2	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 3/8"		29	A
14g3	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-8 5/16"	M111-HDG (A123)	6	A
14h1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
15a1	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	2	-
15a2	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-8 1/4"	M111-HDG (A123)	2	-
15a3	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	5	-
15a4	1	1/2 X 10 1/16	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	32	-
15b1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	16	-
15b2	1	1/2 X 11	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	36	-
15b3	1	1/2 X 8 7/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	13	-
15c1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	33	-
15d1	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 7/16"		29	-
15f1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
15g1	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	7	-
15g2	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 3/8"		29	A
15g3	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-8 5/16"	M111-HDG (A123)	6	-
15h1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
16b1	6	Ø3/4 X 2 SLOTTED FLAT CTSK HD CAP SCREW	A449		M232-HDG (A153)	< 1	-
16hb1	16	Ø3/4 X 2 1/4 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
16hb2	8	Ø3/4 X 2 1/2 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
16m1	6	Ø7/8 X 2 1/2 HEX HEAD BOLT	M164 (A325)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
16n1	36	Ø3/4 HEX NUT	M291-A, HEAVY HEX (A563 GR A)		M232-HDG (A153)	< 1	-
16n2	6	Ø7/8 HEX NUT	M291-A OR DH (A563 GR A OR GR DH)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
16p1	12	Ø7/8 FLAT WASHER	M293 (F436)		(4) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
16v1	4	Ø3/4 X 1 1/2 HEX HEAD BOLT	M164 (A325)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
16w1	32	Ø3/4 FLAT WASHER	M293 (F436)		M232-HDG (A153)	< 1	-

MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
16ws1	8	Ø7/8 X 8 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
16B	1	BOLT DOWN EXPANSION JOINT			35'-0"	3802	-
8a1	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
8a2	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
9a1	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
9a2	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	17'-6"	M111-HDG (A123)	343	-
12b1	46	Ø3/4 X 2 1/4 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
12b2	18	Ø3/4 X 3 3/4 HEX HEAD BOLT	M164 (A325)		SHIPPING HARDWARE; M232-HDG (A153)	< 1	-
12n1	64	Ø3/4 HEX NUT	M291-A, HEAVY HEX (A563 GR A)		M232-HDG (A153)	< 1	-
12tp1	1	BUTYL RUBBER TAPE	-	70'-0"	SEE GENERAL NOTES;	-	-
12w1	64	Ø3/4 FLAT WASHER	M293 (F436)		M232-HDG (A153)	< 1	-
12ws1	34	Ø3/4 X 10 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
12ws2	38	Ø3/4 X 10 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
13p1	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13p2	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13p3	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13p4	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	15'-7"	M111-HDG (A123)	365	-
13pa1	8	1/2 X 6	M270 GR 50 (A709)	1'-0"	M111-HDG (A123)	10	-
13pa5	4	1/2 X 3 1/2	M270 GR 50 (A709)	0'-6 1/2"	M111-HDG (A123)	3	-
13pb1	8	1/2 X 8	M270 GR 50 (A709)	1'-0"	M111-HDG (A123)	14	-
13sa1	9	L3 1/2 X 3 1/2 X 3/8	M270 GR 36 (A709 OR A992)	1'-0 1/2"	SHIPPING ANGLE; M111-HDG (A123)	9	-
14a1	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	2	A
14a2	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-8 1/4"	M111-HDG (A123)	2	-
14a3	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	5	-
14a4	1	1/2 X 10 1/16	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	32	-
14b1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	16	-
14b2	1	1/2 X 11	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	36	-
14b3	1	1/2 X 8 7/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	13	-
14c1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	33	-
14d1	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 7/16"		29	-
14f1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
14g1	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	7	-
14g2	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 3/8"		29	A
14g3	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-8 5/16"	M111-HDG (A123)	6	A
14h1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
15a1	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	2	-
15a2	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	0'-8 1/4"	M111-HDG (A123)	2	-
15a3	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	5	-
15a4	1	1/2 X 10 1/16	M270 GR 36 OR 50 (A709)	1'-10 3/4"	M111-HDG (A123)	32	-
15b1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	16	-
15b2	1	1/2 X 11	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	36	-
15b3	1	1/2 X 8 7/16	M270 GR 36 OR 50 (A709)	0'-11"	M111-HDG (A123)	13	-
15c1	1	1/2 X 10 3/16	M270 GR 36 OR 50 (A709)	1'-11"	M111-HDG (A123)	33	-
15d1	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 7/16"		29	-
15f1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
15g1	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-10 1/16"	M111-HDG (A123)	7	-
15g2	1	L5 X 5 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 3/8"		29	A
15g3	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-8 5/16"	M111-HDG (A123)	6	-
15h1	1	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 13/16"		23	-
16b1	6	Ø3/4 X 2 SLOTTED FLAT CTSK HD CAP SCREW	A449		M232-HDG (A153)	< 1	-
16hb1	16	Ø3/4 X 2 1/4 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
16hb2	8	Ø3/4 X 2 1/2 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
16m1	6	Ø7/8 X 2 1/2 HEX HEAD BOLT	M164 (A325)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
16n1	32	Ø3/4 HEX NUT	M291-A, HEAVY HEX (A563 GR A)		M232-HDG (A153)	< 1	-
16n2	6	Ø7/8 HEX NUT	M291-A OR DH (A563 GR A OR GR DH)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
16p1	12	Ø7/8 FLAT WASHER	M293 (F436)		(4) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
16v1	4	Ø3/4 X 1 1/2 HEX HEAD BOLT	M164 (A325)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-

MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
16w1	32	Ø3/4 FLAT WASHER	M293 (F436)		M232-HDG (A153)	< 1	-
16ws1	8	Ø7/8 X 8 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
16C	128	PLATE WASHERS			3"	< 1	-
16c1	128	3/8 X 3	M270 GR 36 OR 50 (A709)	0'-3"	M111-HDG (A123)	< 1	-
16D	128	FIELD HARDWARE				< 1	-
16d1	128	Ø1 HEX NUT	M291-DH (A563-DH) HEAVY HEX		M232-HDG (A153)	< 1	-
16F	8	PLATES				10	-
16g1	8	1/2 X 8	M270 GR 36 OR 50 (A709)	0'-9"	M111-HDG (A123)	10	-
16G	8	EMBEDS				15</	

