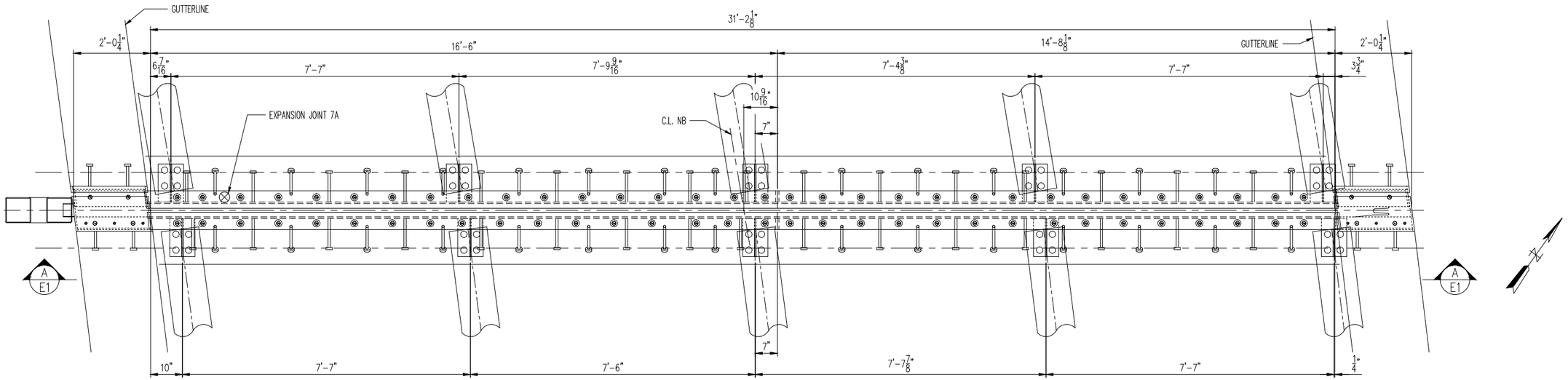
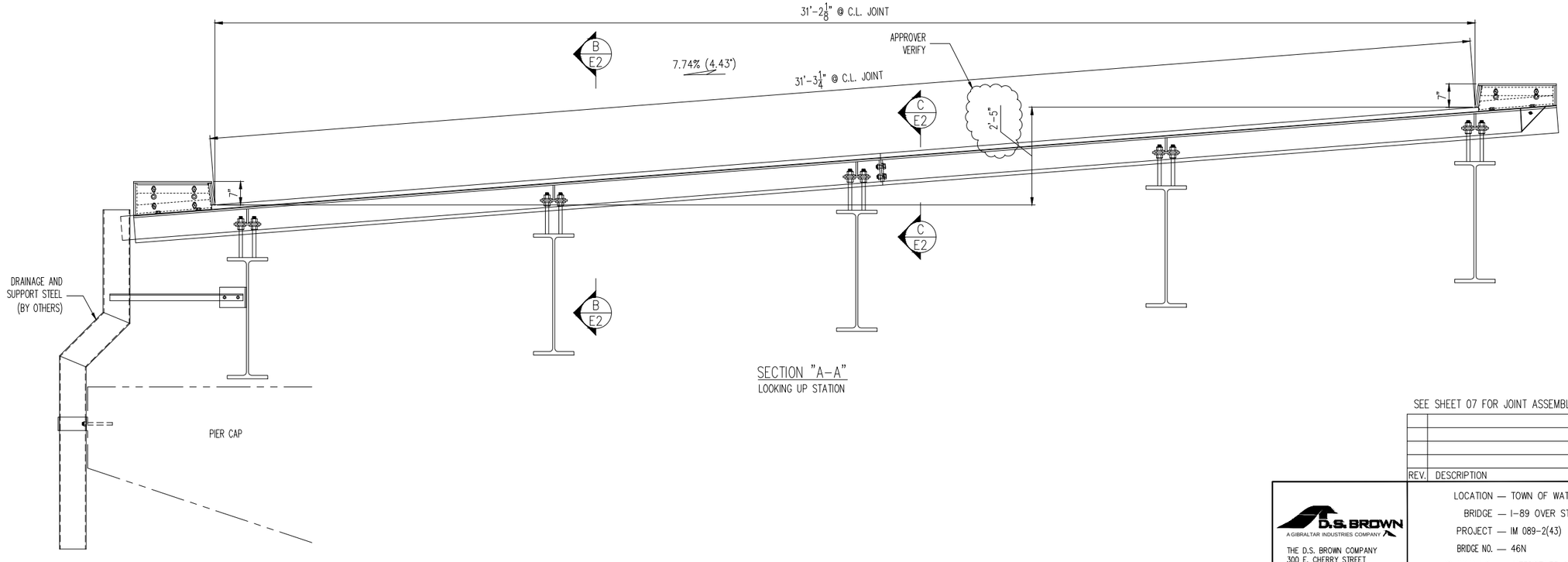


PLAN VIEW AT PIER #3 EXPANSION DAM
LOOKING UP STATION



SECTION "A-A"
LOOKING UP STATION

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV.	DESCRIPTION	DATE	DET.	CKD.

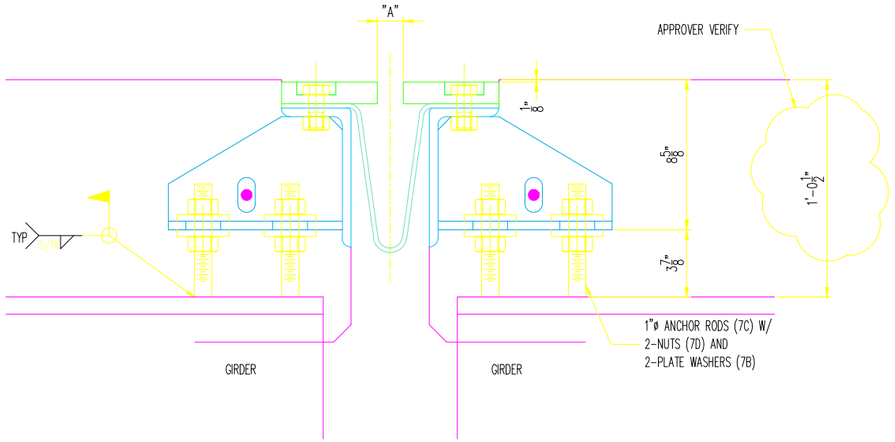
D.S. BROWN
A GIBRALTAR INDUSTRIES COMPANY
THE D.S. BROWN COMPANY
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBROWN.COM

	ITEM	QUANTITY
LOCATION — TOWN OF WATERBURY, VT	–	–
BRIDGE — I-89 OVER STOWE ST & THATCHER BROOK	–	–
PROJECT — IM 089-2(43)	–	–
BRIDGE NO. — 46N	–	–
HIGHWAY NO. — INTERSTATE 89	–	–
DESIGNER — VERMONT AGENCY OF TRANSPORTATION	–	–
CUSTOMER — BECK AND BELLUCCI, INC	–	–
	–	–

DESCRIPTION:
EXPANSION JOINT DETAILS
ERECTION DETAILS

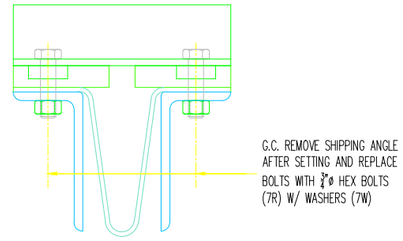
SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	–

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
44596	1043	1	E1



SECTION B-B

TEMPERATURE SETTING CHART	
TEMP °F	DIM "A"
0°	2 1/4"
15°	2"
30°	1 3/4"
45°	1 1/2"
60°	1 1/4"
75°	1"
90°	3/4"
105°	7/16"



SHIPPING DEVICE

FIELD NOTE:
PROJECTING THREADS OF THE 3/4"ø BOLTS SHALL BE GREASED IN THE FIELD BY THE CONTRACTOR PRIOR TO PLACING THE ADJACENT CONCRETE. THIS WILL FACILITATE BOLT REMOVAL IF REQUIRED IN THE FUTURE.

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV	DESCRIPTION	DATE	DFT	CKD

D.S. BROWN
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LOCATION — TOWN OF WATERBURY, VT
BRIDGE — I-89 OVER STOWE ST & THATCHER BROOK
PROJECT — IM 089-2(43)
BRIDGE NO. — 46N
HIGHWAY NO. — INTERSTATE 89
DESIGNER — VERMONT AGENCY OF TRANSPORTATION
CUSTOMER — BECK AND BELLUCCI, INC

ITEM	QUANTITY
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DESCRIPTION:
EXPANSION JOINT DETAILS
ERECTION DETAILS

SCALE	DRAWN BY	DESIGNED BY	DATE	
N.T.S.	JAC	JEB	3/31/15	–
PROJECT NUMBER	PROJECT CODE	RELEASE	SHEET	
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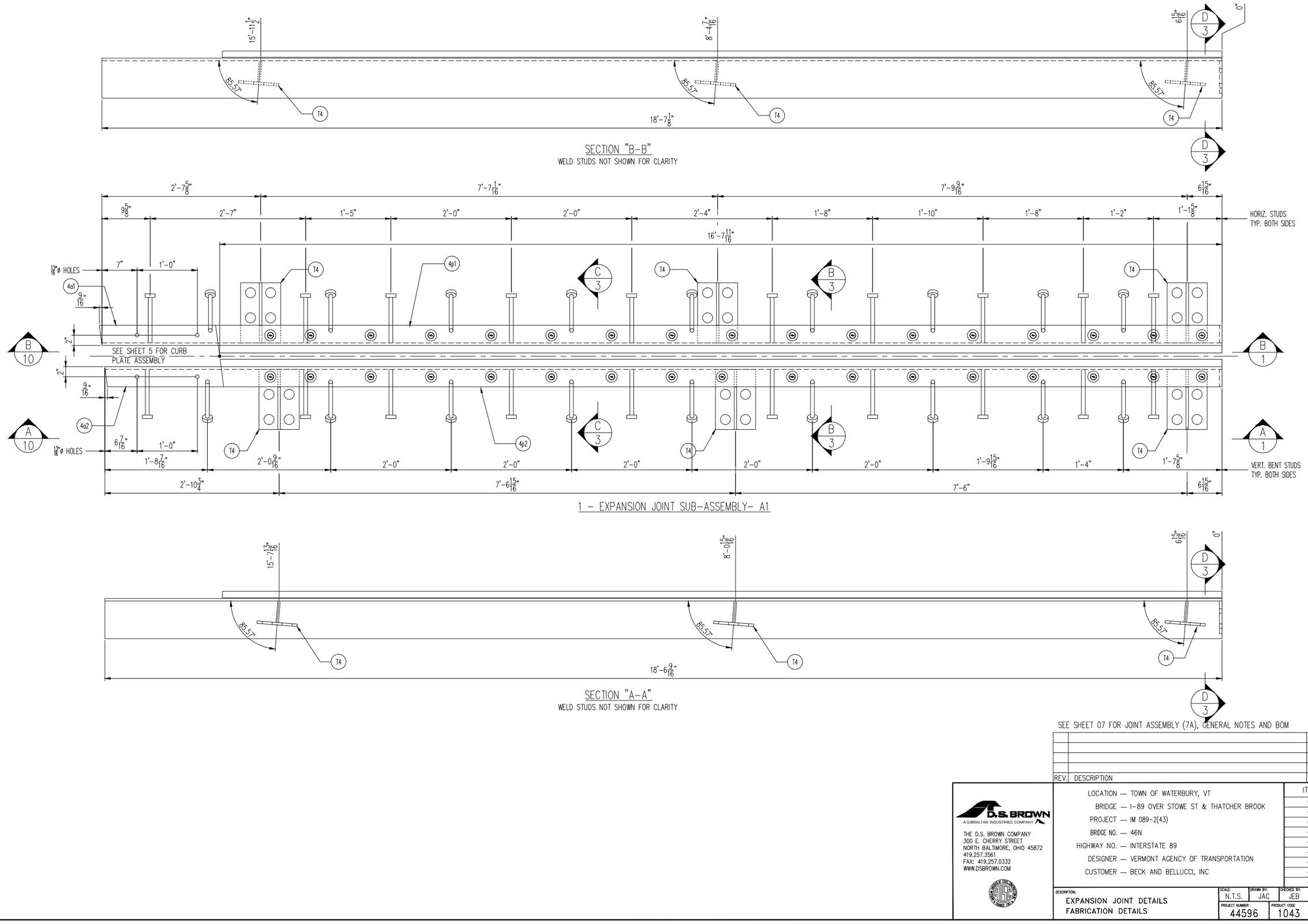

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
A GIBRALTAR INDUSTRIES COMPANY
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LOCATION — TOWN OF WATERBURY, VT
BRIDGE — I-89 OVER STOWE ST & THATCHER BROOK
PROJECT — IM 089-2(43)
BRIDGE NO. — 46N
HIGHWAY NO. — INTERSTATE 89
DESIGNER — VERMONT AGENCY OF TRANSPORTATION
CUSTOMER — BECK AND BELLUCCI, INC

ITEM	QUANTITY
–	–
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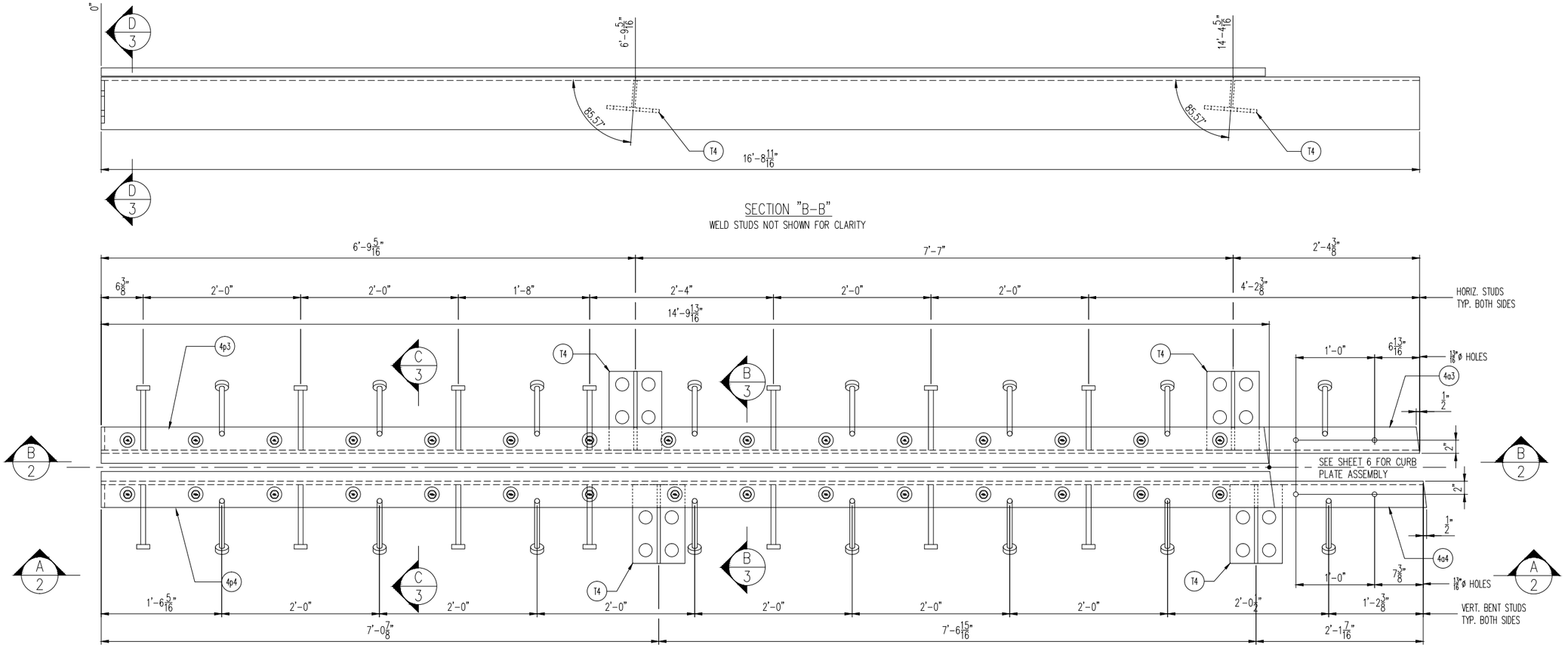
–	–
–	–
–	–
–	–

DESCRIPTION: EXPANSION JOINT DETAILS FABRICATION DETAILS

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	–

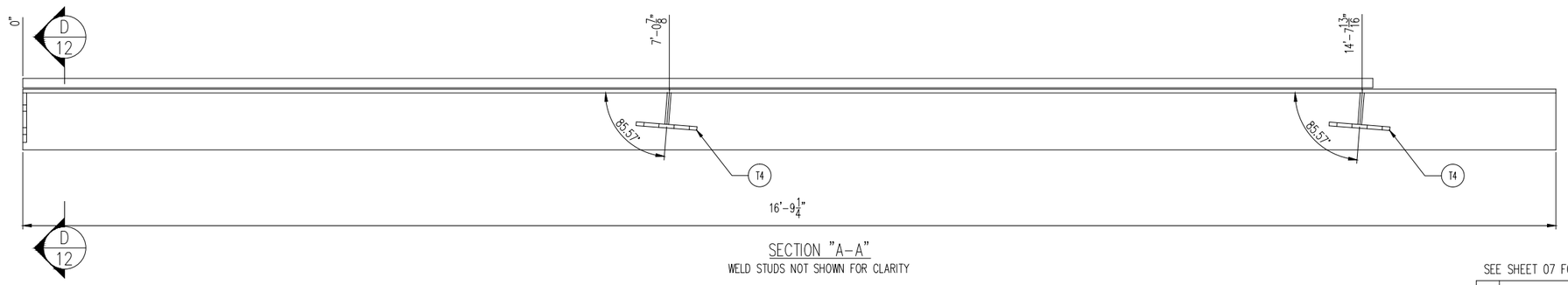
PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
44596	1043	1	01



SECTION "B-B"

WELD STUDS NOT SHOWN FOR CLARITY

1 – EXPANSION JOINT SUB-ASSEMBLY – A2



SECTION "A-A"

WELD STUDS NOT SHOWN FOR CLARITY

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
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	ITEM	QUANTITY
LOCATION — TOWN OF WATERBURY, VT	–	–
BRIDGE — I-89 OVER STOWE ST & THATCHER BROOK	–	–
PROJECT — IM 089-2(43)	–	–
BRIDGE NO. — 46N	–	–
HIGHWAY NO. — INTERSTATE 89	–	–
DESIGNER — VERMONT AGENCY OF TRANSPORTATION	–	–
CUSTOMER — BECK AND BELLUCCI, INC	–	–
	–	–

DESCRIPTION: EXPANSION JOINT DETAILS
FABRICATION DETAILS

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	–

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
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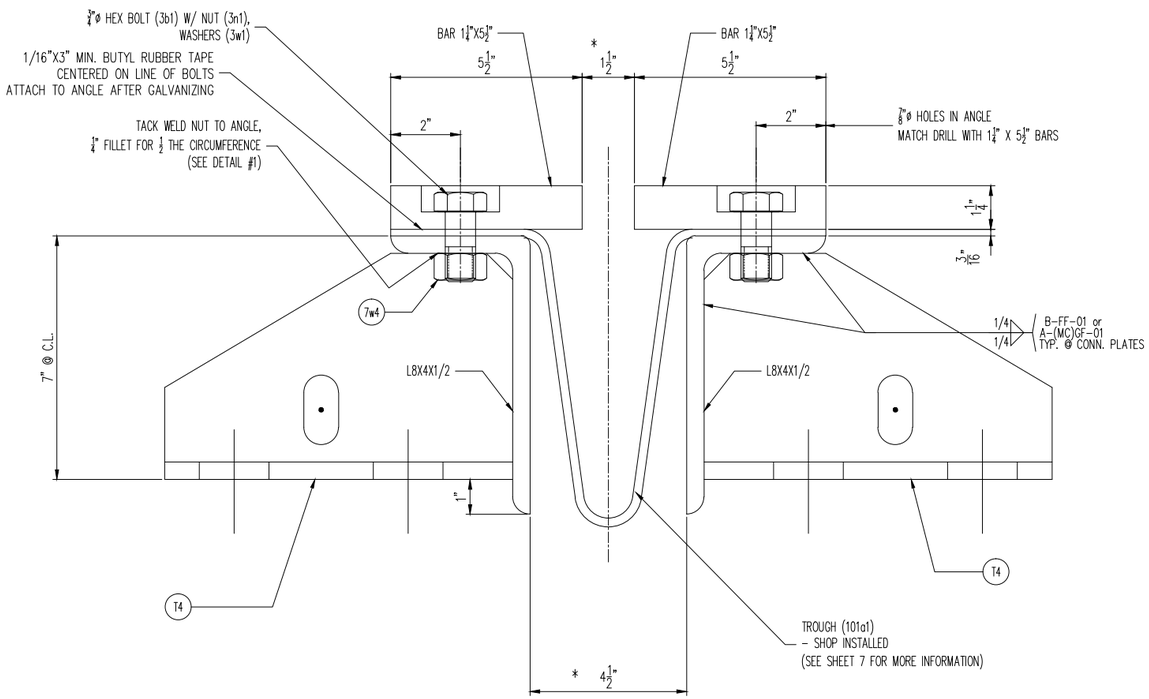
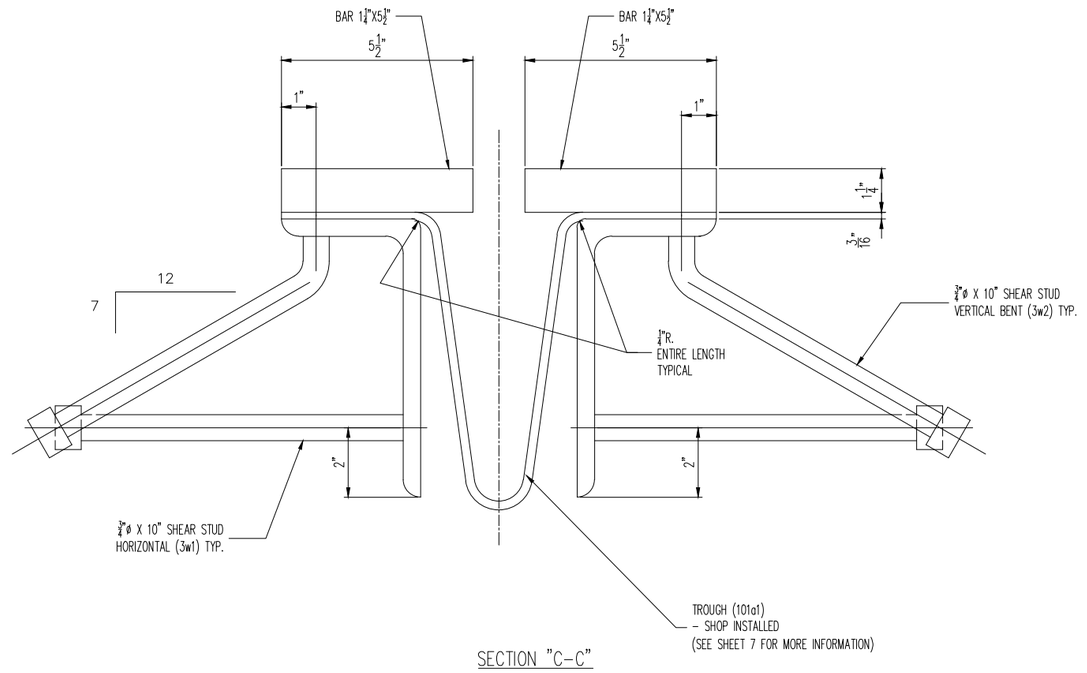
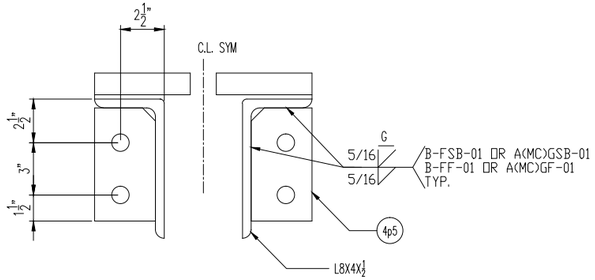


SECTION "B-B"

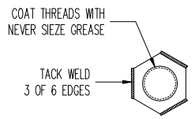
* SHIPPING DIMENSION @ 45° F.



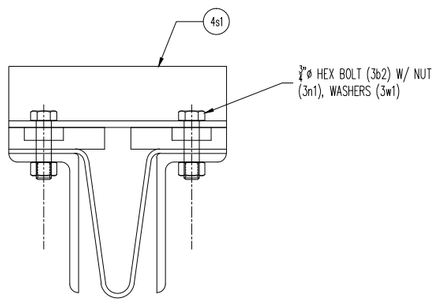
SECTION "C-C"



SECTION "D-D"



DETAIL #1 - (TYP)



SHIPPING DEVICE

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
A GIBRALTAR INDUSTRIES COMPANY
THE D.S. BROWN COMPANY
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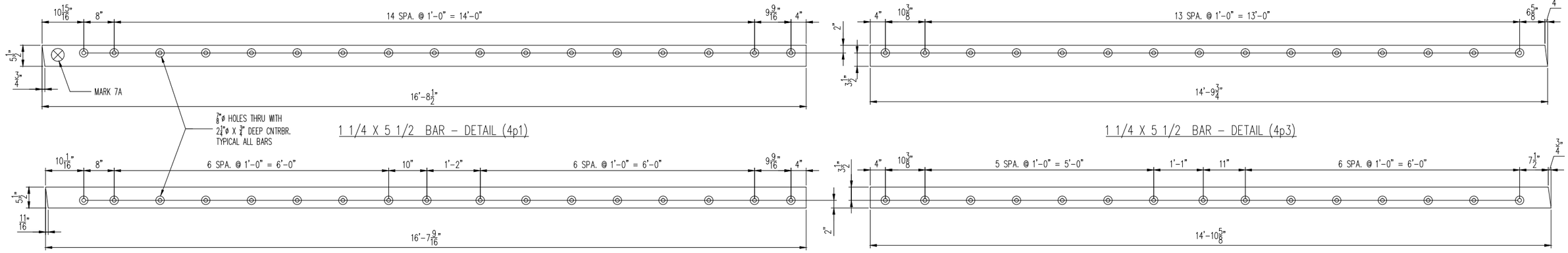
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBROWN.COM

	ITEM	QUANTITY
LOCATION — TOWN OF WATERBURY, VT	–	–
BRIDGE — I-89 OVER STOWE ST & THATCHER BROOK	–	–
PROJECT — IM 089-2(43)	–	–
BRIDGE NO. — 46N	–	–
HIGHWAY NO. — INTERSTATE 89	–	–
DESIGNER — VERMONT AGENCY OF TRANSPORTATION	–	–
CUSTOMER — BECK AND BELLUCCI, INC	–	–
	–	–

DESCRIPTION:
EXPANSION JOINT DETAILS
FABRICATION DETAILS

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	–

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
44596	1043	1	03

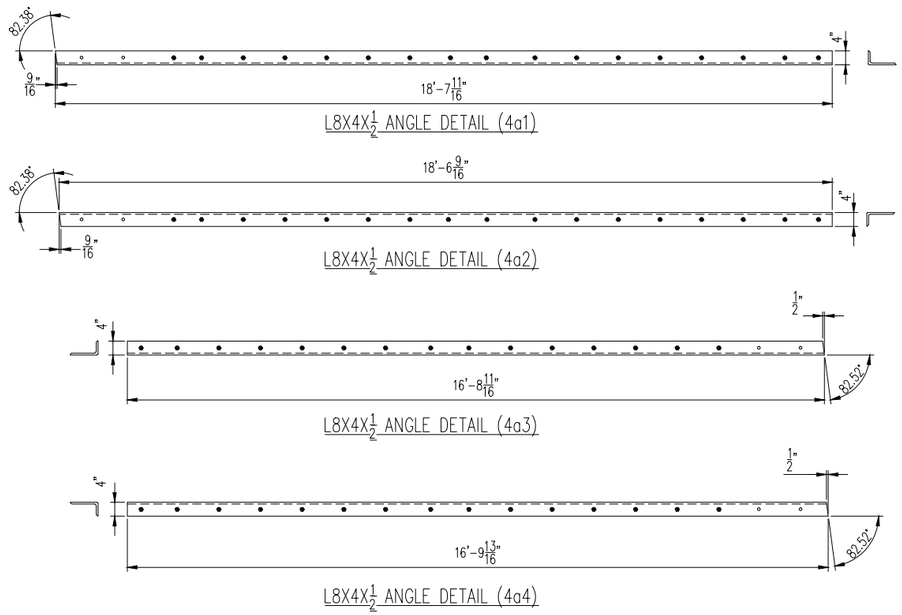


1 1/4 X 5 1/2 BAR – DETAIL (4p1)

1 1/4 X 5 1/2 BAR – DETAIL (4p3)

1 1/4 X 5 1/2 BAR – DETAIL (4p2)

1 1/4 X 5 1/2 BAR – DETAIL (4p4)

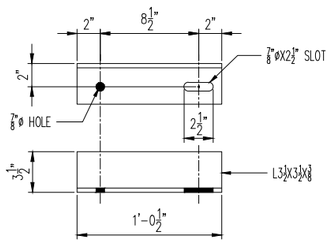


L8X4X1/2 ANGLE DETAIL (4a1)

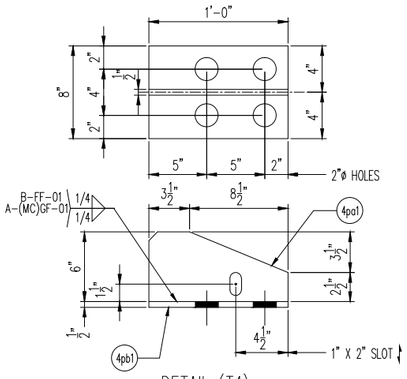
L8X4X1/2 ANGLE DETAIL (4a2)

L8X4X1/2 ANGLE DETAIL (4a3)

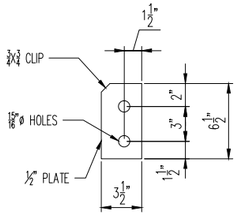
L8X4X1/2 ANGLE DETAIL (4a4)



SHIPPING ANGLE – DETAIL (4s1)



DETAIL (T4)



DETAIL (4p5)

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
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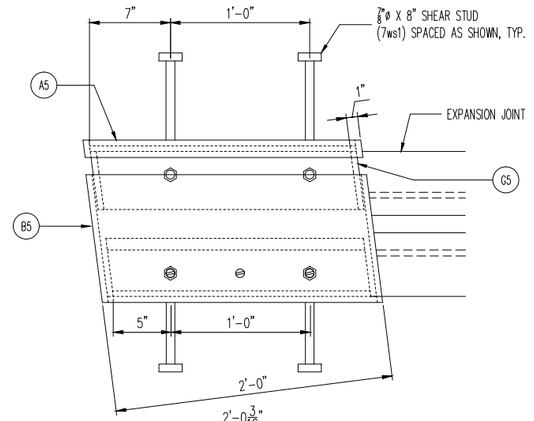
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBROWN.COM

	ITEM	QUANTITY
LOCATION — TOWN OF WATERBURY, VT	–	–
BRIDGE — I-89 OVER STOWE ST & THATCHER BROOK	–	–
PROJECT — IM 089-2(43)	–	–
BRIDGE NO. — 46N	–	–
HIGHWAY NO. — INTERSTATE 89	–	–
DESIGNER — VERMONT AGENCY OF TRANSPORTATION	–	–
CUSTOMER — BECK AND BELLUCCI, INC	–	–
	–	–

DESCRIPTION:
EXPANSION JOINT DETAILS
FABRICATION DETAILS

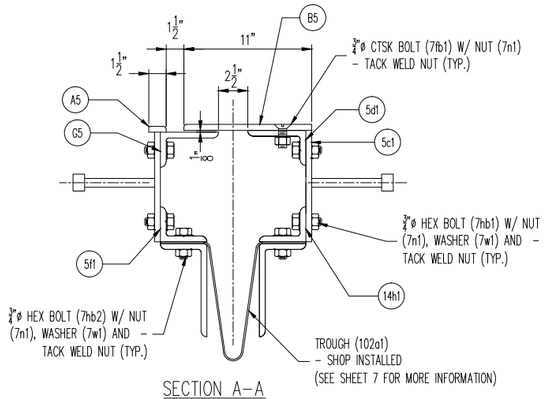
SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	–

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
44596	1043	1	04

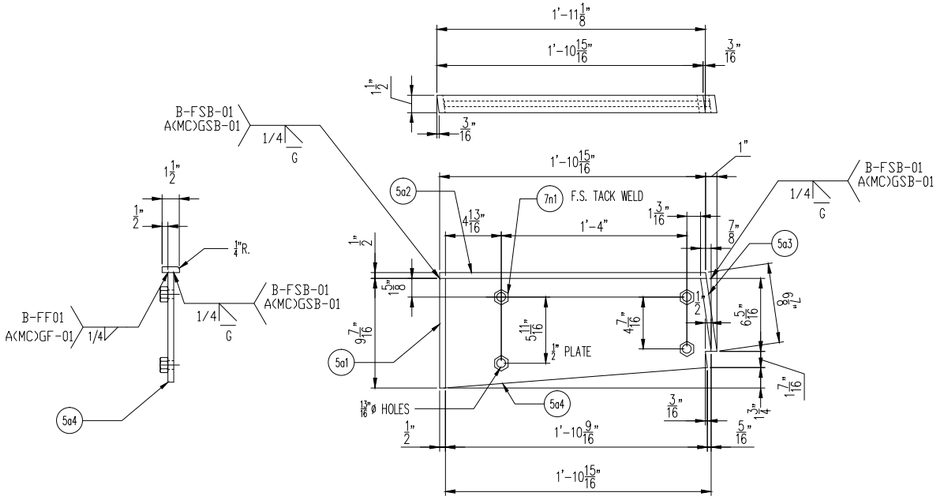


DETAIL #2

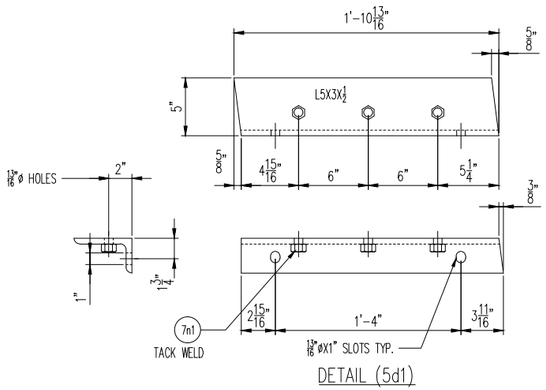
FIELD NOTE:
PROJECTING THREADS OF THE ¾"ø BOLTS SHALL BE GREASED IN THE FIELD BY THE CONTRACTOR PRIOR TO PLACING THE ADJACENT CONCRETE. THIS WILL FACILITATE BOLT REMOVAL IF REQUIRED IN THE FUTURE.



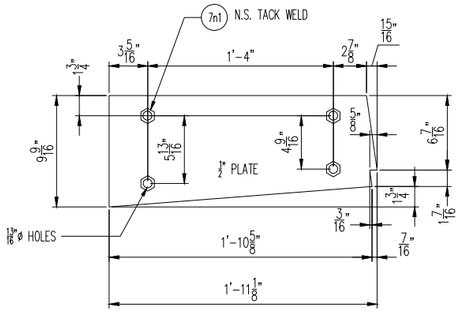
SECTION A–A



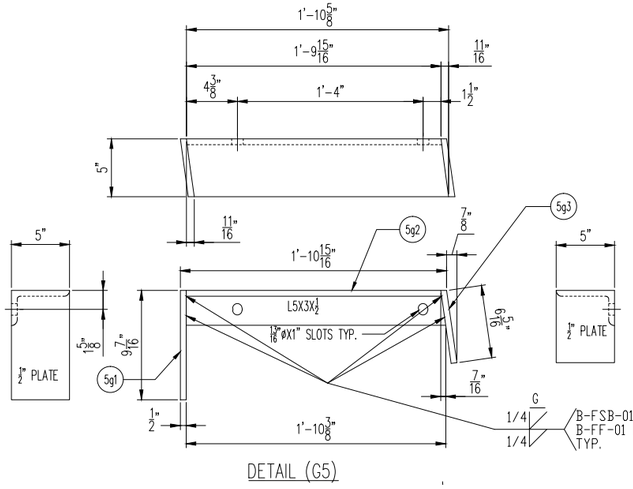
DETAIL (A5)



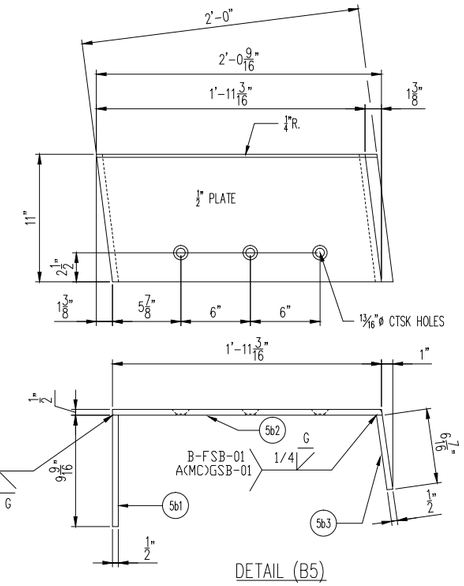
DETAIL (5d1)



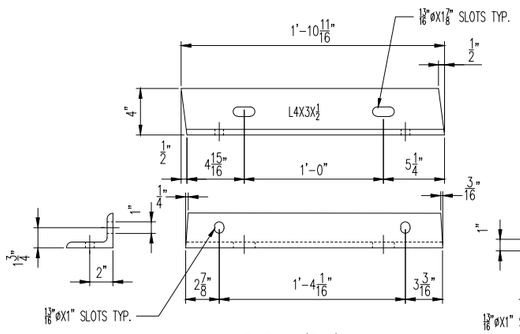
DETAIL (5c1)



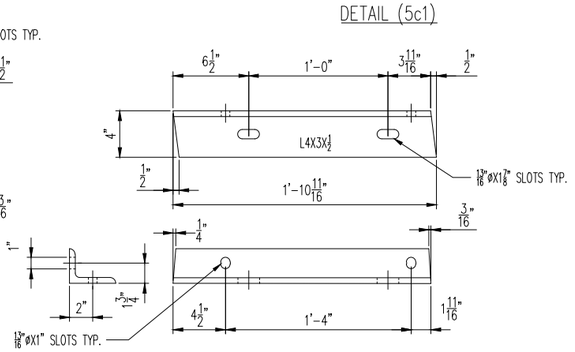
DETAIL (G5)



DETAIL (B5)



DETAIL (5h1)



DETAIL (5f1)

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
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NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBROWN.COM

LOCATION — TOWN OF WATERBURY, VT
BRIDGE — I–89 OVER STOWE ST & THATCHER BROOK
PROJECT — IM 089-2(43)
BRIDGE NO. — 46N
HIGHWAY NO. — INTERSTATE 89
DESIGNER — VERMONT AGENCY OF TRANSPORTATION
CUSTOMER — BECK AND BELLUCCI, INC

ITEM	QUANTITY
–	–
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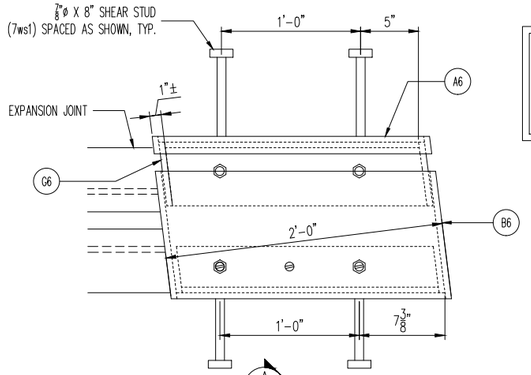
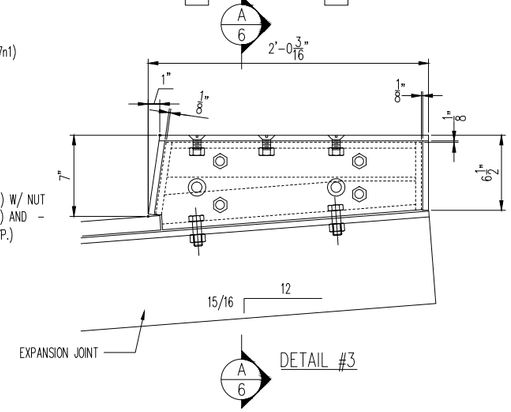
DESCRIPTION:
EXPANSION JOINT DETAILS
FABRICATION DETAILS

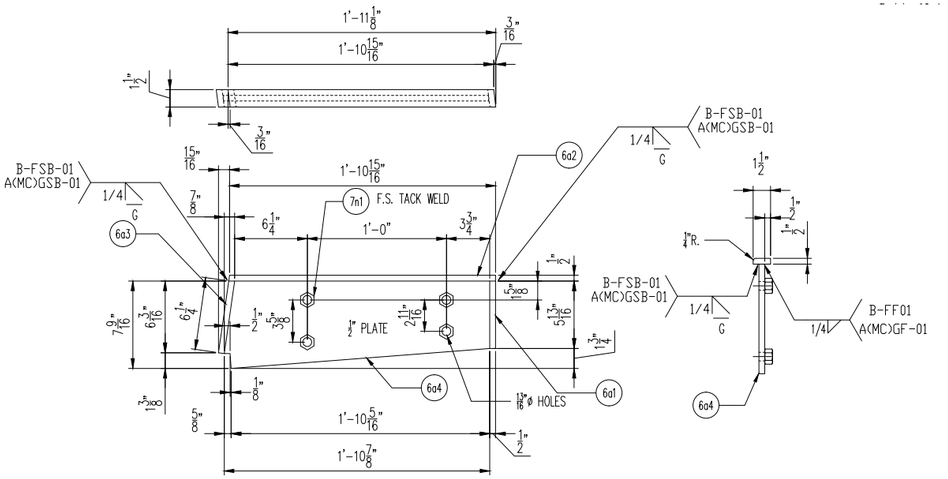
SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	–
PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET	
44596	1043	1	05	



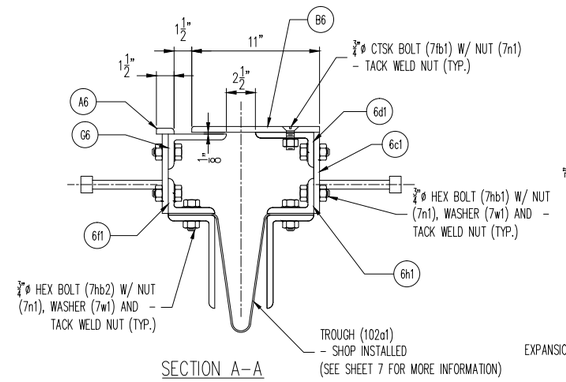


DETAIL #3

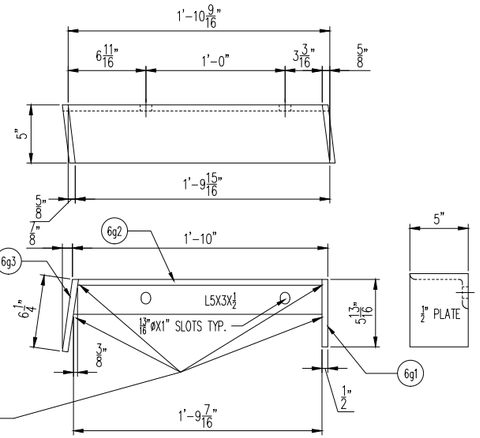
FIELD NOTE:
PROJECTING THREADS OF THE 3/4"ø BOLTS SHALL BE GREASED IN THE FIELD BY THE CONTRACTOR PRIOR TO PLACING THE ADJACENT CONCRETE. THIS WILL FACILITATE BOLT REMOVAL IF REQUIRED IN THE FUTURE.



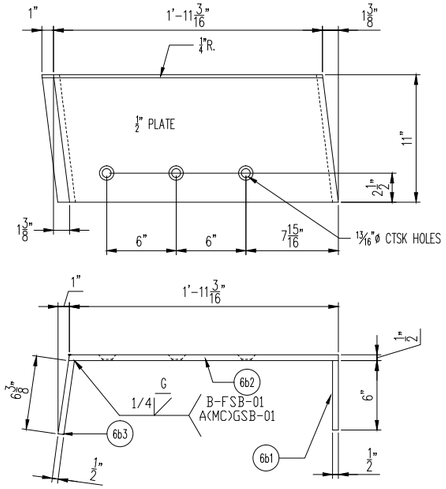
DETAIL (A6)



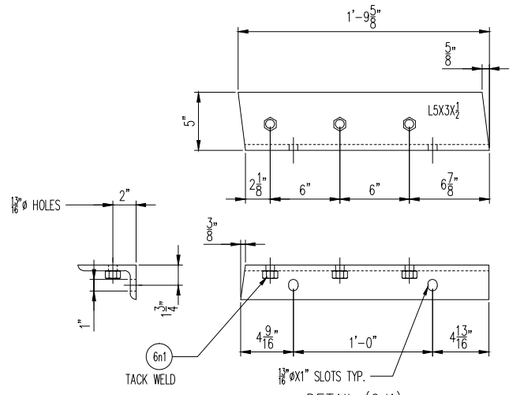
SECTION A–A



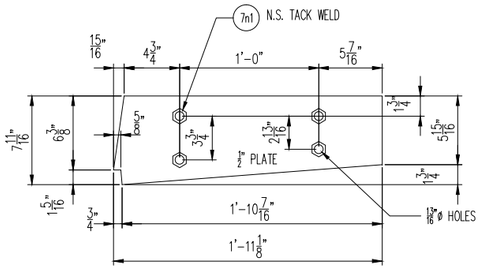
DETAIL (G6)



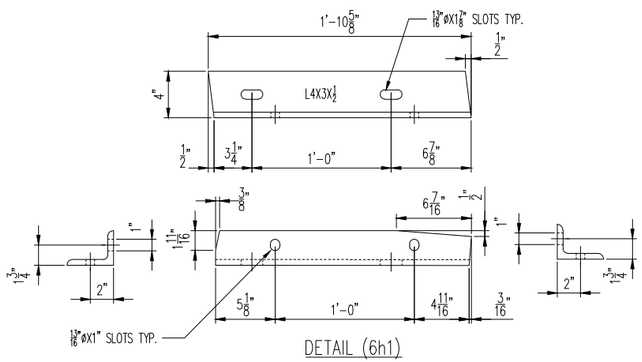
DETAIL (B6)



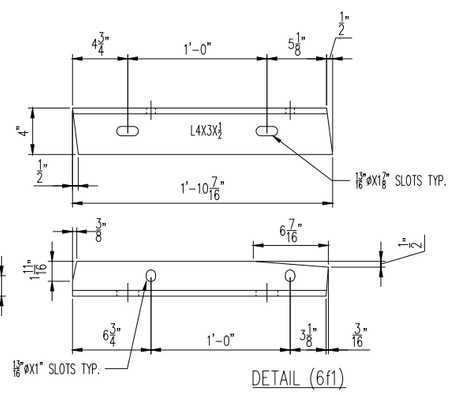
DETAIL (6d1)



DETAIL (6c1)



DETAIL (6h1)



DETAIL (6f1)

SEE SHEET 07 FOR JOINT ASSEMBLY (7A), GENERAL NOTES AND BOM

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
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LOCATION — TOWN OF WATERBURY, VT
BRIDGE — I–89 OVER STOWE ST & THATCHER BROOK
PROJECT — IM 089–2(43)
BRIDGE NO. — 46N
HIGHWAY NO. — INTERSTATE 89
DESIGNER — VERMONT AGENCY OF TRANSPORTATION
CUSTOMER — BECK AND BELLUCCI, INC

ITEM	QUANTITY
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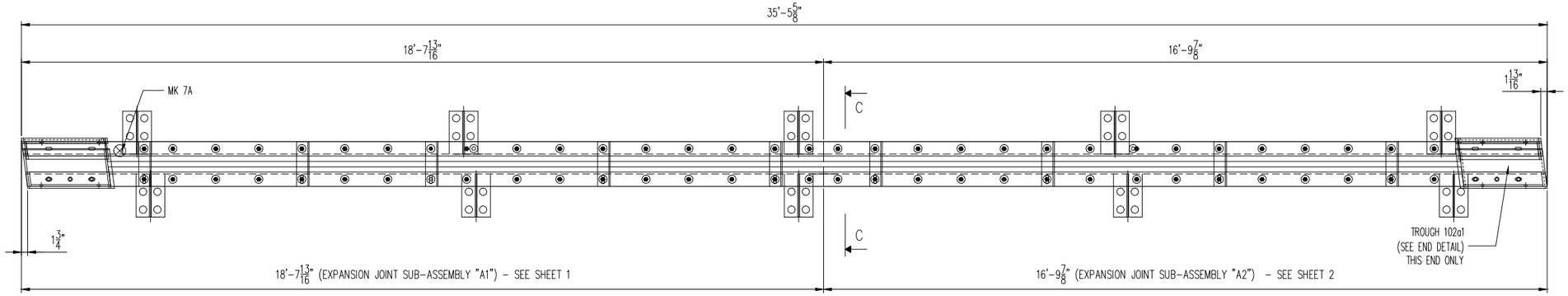
DESCRIPTION:
EXPANSION JOINT DETAILS
FABRICATION DETAILS

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	–

PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET
44596	1043	1	06



1 -EXPANSION JOINT - 7A

ROADWAY SIDE UP

MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
7A	1	BOLT DOWN EXPANSION JOINT			35'-5 5/8"	4074	-
1tp1	1	BUTYL RUBBER TAPE	-	70'-0	SEE GENERAL NOTES;		-
3b1	46	Ø3/4 X 2 1/4 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
3b2	18	Ø3/4 X 3 3/4 HEX HEAD BOLT	M164 (A325)		SHIPPING HARDWARE; M232-HDG (A153)	< 1	-
3n1	64	Ø3/4 HEX NUT	M291-A, HEAVY HEX (A563 GR A)		M232-HDG (A153)	< 1	-
3w1	64	Ø3/4 FLAT WASHER	M293 (F436)		M232-HDG (A153)	< 1	-
3ws1	34	Ø3/4 X 10 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
3ws2	38	Ø3/4 X 10 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
4a1	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	18'-7 11/16	M111-HDG (A123)	365	-
4a2	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	18'-6 9/16	M111-HDG (A123)	364	-
4a3	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	16'-8 11/16	M111-HDG (A123)	328	-
4a4	1	L8 X 4 X 1/2	M270 GR 50 (A709 OR A992)	16'-9 13/16	M111-HDG (A123)	330	-
4p1	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	16'-8 1/2	M111-HDG (A123)	386	-
4p2	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	16'-7 9/16	M111-HDG (A123)	384	-
4p3	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	14'-9 3/4	M111-HDG (A123)	342	-
4p4	1	1 1/4 X 5 1/2	M270 GR 50 (A709)	14'-10 5/8	M111-HDG (A123)	344	-
4pa1	10	1/2 X 6	M270 GR 50 (A709)	1'-0	M111-HDG (A123)	10	-
4pa5	4	1/2 X 3 1/2	M270 GR 50 (A709)	0'-6 1/2	M111-HDG (A123)	3	-
4pb1	10	1/2 X 8	M270 GR 50 (A709)	1'-0	M111-HDG (A123)	13	-
4sa1	9	L4 X 4 X 1/2	M270 GR 36 (A709 OR A992)	3'-2	SHIPPING ANGLE; M111-HDG (A123)	41	-
5a1	1	1/2 X 1 5/8	M270 GR 36 OR 50 (A709)	0'-9 7/16	M111-HDG (A123)	2	-
5a2	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	1'-11 1/8	M111-HDG (A123)	5	-
5a3	1	1/2 X 1 5/8	M270 GR 36 OR 50 (A709)	0'-6 7/16	M111-HDG (A123)	1	-
5a4	1	1/2 X 9 7/16	M270 GR 36 OR 50 (A709)	1'-10 15/16	M111-HDG (A123)	30	-
5b1	1	1/2 X 9 9/16	M270 GR 36 OR 50 (A709)	0'-11 1/16	M111-HDG (A123)	15	-
5b2	1	1/2 X 11	M270 GR 36 OR 50 (A709)	2'-0 9/16	M111-HDG (A123)	38	-
5b3	1	1/2 X 6 7/16	M270 GR 36 OR 50 (A709)	0'-11 1/8	M111-HDG (A123)	10	-
5c1	1	1/2 X 9 9/16	M270 GR 36 OR 50 (A709)	1'-11 1/8	M111-HDG (A123)	31	-
5d1	1	L5 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-10 13/16		24	-
5f1	1	L4 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-10 11/16		21	-
5g1	1	1/2 X 5 1/16	M270 GR 36 OR 50 (A709)	0'-9 7/16	M111-HDG (A123)	7	-
5g2	1	L5 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-11 1/16		25	-
5g3	1	1/2 X 6 5/16	M270 GR 36 OR 50 (A709)	0'-5 1/16	M111-HDG (A123)	4	-
5h1	1	L4 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-10 11/16		21	-
6a1	1	1/2 X 1 5/8	M270 GR 36 OR 50 (A709)	0'-5 13/16	M111-HDG (A123)	1	-
6a2	1	1/2 X 1 1/2	M270 GR 36 OR 50 (A709)	1'-11 1/8	M111-HDG (A123)	5	-
6a3	1	1/2 X 1 5/8	M270 GR 36 OR 50 (A709)	0'-6 1/4	M111-HDG (A123)	1	-
6a4	1	1/2 X 7 9/16	M270 GR 36 OR 50 (A709)	1'-10 7/8	M111-HDG (A123)	24	-
6b1	1	1/2 X 6	M270 GR 36 OR 50 (A709)	0'-11 1/8	M111-HDG (A123)	9	-
6b2	1	1/2 X 11	M270 GR 36 OR 50 (A709)	2'-0 9/16	M111-HDG (A123)	38	-
6b3	1	1/2 X 6 3/8	M270 GR 36 OR 50 (A709)	0'-11 1/16	M111-HDG (A123)	10	-
6c1	1	1/2 X 7 11/16	M270 GR 36 OR 50 (A709)	1'-11 1/8	M111-HDG (A123)	25	-
6d1	1	L5 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-9 5/8		23	-
6f1	1	L4 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-10 7/16		21	-
6g1	1	1/2 X 5	M270 GR 36 OR 50 (A709)	0'-5 13/16	M111-HDG (A123)	4	-
6g2	1	L5 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-10 9/16		24	-
6g3	1	1/2 X 5 1/16	M270 GR 36 OR 50 (A709)	0'-6 1/4	M111-HDG (A123)	4	-
6h1	1	L4 X 3 X 1/2	M270 GR 36 (A709 OR A992)	1'-10 5/8		21	-
7fb1	6	Ø3/4 X 2 SLOTTED FLAT CTSK HD CAP SCREW	A449		M232-HDG (A153)	< 1	-
7hb1	16	Ø3/4 X 2 1/4 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
7hb2	8	Ø3/4 X 2 1/2 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
7m1	6	Ø7/8 X 2 1/2 HEX HEAD BOLT	M164 (A325)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
7n1	32	Ø3/4 HEX NUT	M291-A, HEAVY HEX (A563 GR A)		M232-HDG (A153)	< 1	-
7n2	6	Ø7/8 HEX NUT	M291-A OR DH (A563 GR A OR GR DH)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
7p1	12	Ø7/8 FLAT WASHER	M293 (F436)		(4) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
7v1	4	Ø3/4 X 1 1/2 HEX HEAD BOLT	M164 (A325)		(2) ADDED FOR TESTING; M232-HDG (A153); ROCAP	< 1	-
7w1	32	Ø3/4 FLAT WASHER	M293 (F436)		M232-HDG (A153)	< 1	-
7ws1	8	Ø7/8 X 8 WELD STUD	M169 (A108)		M111-HDG (A123)	1	-
7B	80	PLATE WASHERS			3"	< 1	-
7b1	80	3/8 X 3	M270 GR 36 OR 50 (A709)	0'-3	M111-HDG (A123)	< 1	-
7C	40	ANCHOR RODS			0'-9"	2	-
7c1	40	Ø1 X 9 THREADED ROD	M314 GR 36 (F1554)		FULL THREAD; M111-HDG (A123)	2	-
7D	80	FIELD HARDWARE				< 1	-
7d1	80	Ø1 HEX NUT	M291-DH (A563-DH) HEAVY HEX		M232-HDG (A153)	< 1	-
7R	22	FIELD HARDWARE				< 1	-
7r1	22	Ø3/4 X 3 3/4 HEX HEAD BOLT	M164 (A325)		M232-HDG (A153)	< 1	-
7W	22	FIELD HARDWARE				< 1	-
7r1	22	Ø3/4 FLAT WASHER	M293 (F436)		M232-HDG (A153)	< 1	-
					*4/1/2015 1:07:02 PM		

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.

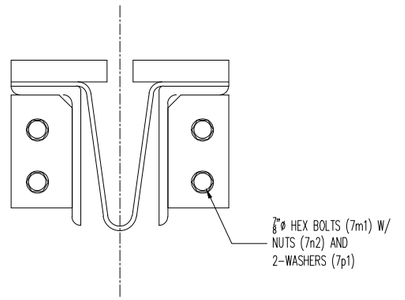
CONTRACTOR TO POUR AND VIBRATE CONCRETE INTO BLOCKOUT TO ENSURE PROPER CONSOLIDATION AROUND ALL EMBEDDED COMPONENTS.

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.

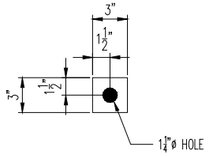
GRIND ALL EXPOSED EDGES OF STEEL PLATES AND SHAPES TO A 1/16" RADIUS PRIOR TO GALVANIZING

SEAL WELD ALL CONNECTIONS WHERE POSSIBLE.

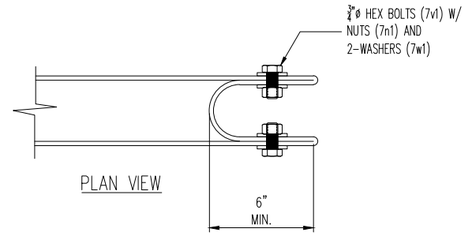
BUTYL RUBBER TAPE SHALL CONFORM TO STANDARD SPECIFICATION 707.12 AND AASHTO M198, TYPE B.



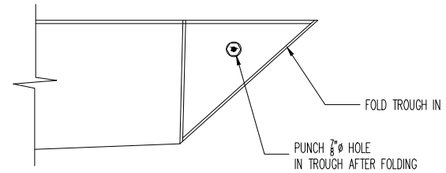
SECTION C-C



3/8" WASHER - DETAIL (7B)



PLAN VIEW



TROUGH END DETAIL #1

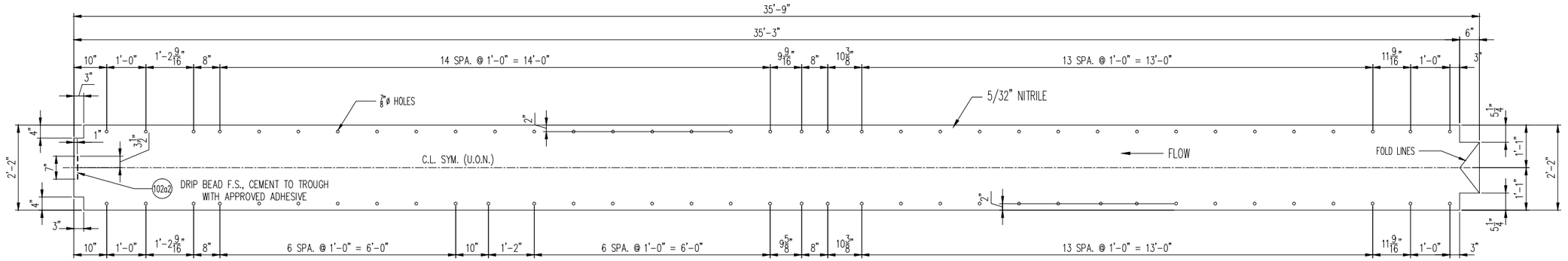
REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
A GIBRALTAR INDUSTRIES COMPANY
THE D.S. BROWN COMPANY
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBROWN.COM

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

DESCRIPTION:
EXPANSION JOINT DETAILS
FABRICATION DETAILS

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	JAC	JEB	3/31/15	-
PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET	
44596	1043	1	07	



1 TROUGHS – 102A

SHOP NOTE:
INSTALL AND SHIP TROUGH WITH FINGER EXPANSION JOINT ASSEMBLY (7A)

THE POLYESTER AND THE RUBBERIZED TROUGH MATERIAL SHALL BE CERTIFIED AS SPECIFIED IN SUBSECTION 707.07 OF THE VTRANS STANDARD SPECIFICATIONS.

THE MATERIAL FOR THE TROUGHS SHALL BE COMPOSED OF PREFORMED FABRIC MATERIAL CONSISTING OF MULTI–PLY POLYESTER OR NYLON FABRIC AND RUBBERIZED TROUGH MATERIAL VULCANIZED TO FORM A LAMINATE WITH THE FOLLOWING PROPERTIES:

MINIMUM THICKNESS, mm (in.) = 4 (0.15625")
MINIMUM COMPOSITE TENSILE STRENGTH OF THE FABRIC REINFORCED BRIDGE TROUGH, N/mm (lb./in.) 140 (800)
MAXIMUM ELONGATION @ ULTIMATE TENSILE STRENGTH, % = 30
MAXIMUM RESISTANCE TO WATER ABSORPTION, % = 10

MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
102A	1	TROUGH			35'-9"	70	–
102a1	1	0.156" X 26	NITRILE	35'-9	NITRILE – SEE NOTES; PLAIN	70	–
102a2	1	0.250" X 1/4	NITRILE	0'-7	PLAIN	< 1	–
		*Approx. Gross Wt. Lbs Per Single Unit			4/1/2015 2:50:55 PM		

SEE DSB PROJECT 44596–1043 SHEET 07 FOR JOINT ASSEMBLY (7A).

REV.	DESCRIPTION	DATE	DET.	CKD.

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N.T.S.	JAC	JEB	3/31/15	–
PROJECT NUMBER	PRODUCT CODE	RELEASE	SHEET	
44596	1032	1	102	