

SHOP DRAWING TRANSMITTAL

DATE RETURNED: 04/05/2016	DATE SENT: 03/25/2016	PAGE <u>1</u> of <u>1</u>
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TO/FROM: TEL. # CHA III WINNERS CIRCLE ALBANY, NY 12205 ATTN:	TO/FROM: TEL. # () MARK SARGENT PROJECT MANAGER - STRUCTURES 1 NATIONAL LIFE DRIVE MONTPELIER, VT 05633-5001
--	--

CHA PROJECT No.20615 CONTRACT No. BRF 3000(19) TITLE: RUTLAND CITY (RIPLEY ROAD)	
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SHOP DRAWING DATA: (TO BE FILLED IN BY CONTRACTOR) TOPIC: EXPANSION JOINT SPECIFICATION: 516	
<i>DO NOT MIX SUBMISSIONS FROM DIFFERENT SPEC DIVISIONS ON THIS FORM. FILL OUT NEW FORM EACH TIME!</i>	
FOR CHA'S RECEIVED STAMP.	

THE ABOVE NAMED CONTRACTOR HAS EVALUATED EACH ITEM IDENTIFIED IN THIS TRANSMITTAL & CERTIFIES IT TO BE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

****THIS SUBMITTAL IS NOT BEING PRESENTED AS A SUBSTITUTION****

CERTIFIED BY: _____ **TITLE:** _____ **DATE:** _____

ID NUMBER	QUANTITY		DESCRIPTION OF ITEM(S) BEING SUBMITTED <small>(Reference specification section and/or drawing number for each item being submitted)</small>	ENGINEER'S REVIEW STATUS
	SENT	RETURN		
			Expansion Joint	MCN

NET = NO EXCEPTIONS TAKEN **MCN = MAKE CORRECTIONS NOTED** **R&R = REVISE AND RESUBMIT**
REJ = REJECTED **SSI = SUBMIT SPECIFIED ITEM** **NR = NOT REVIEWED**
***RESUBMIT REQUIRED IF REVIEW STATUS IS R&R, REJ, SSI**

CONTRACTOR'S COMMENTS: 	Engineer's Comments: See notes on shop drawings.
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(FOR ENGINEER'S INTERNAL USE ONLY)

Forwarded To: <u>R HENDERSON</u>	DUE BACK TO CONTRACTOR: _____
Reviewed By: <u>J NAJDOWSKI</u>	DATE SENT: <u>03/25/2016</u>
Returned to Contractor By: <u>J NAJDOWSKI</u>	DATE RETURNED: <u>04/05/2016</u>
(ENTER DATE ABOVE)	

KUBRICKY CONSTRUCTION CORP.
269 BALLARD ROAD

WILTON, NY 12831
518 792-5864



Rutland City BRF 3000 (2014036)
SUBMITTAL 84.0

Issued 03/25/16
Respond by 04/08/16

To

Timothy Pockette, PE

Topic BRF3000 (19) Expansion Joint Shop Drawings - Ripley Road
Status For Approval

Message Tim,
Please see attached Expansion Joint Shop Drawings for Ripley Road for approval.

Thanks,
Mike

Courtesy Copy

Volker H.D. Burkowski

From

MICHAEL MARTIN

Signed by

Date 03-25-2016

Proceed as Indicated

Owner Authorized Representative

Date



CASCO BAY STEEL STRUCTURES, INC.
 ONE WALLACE AVENUE
 SOUTH PORTLAND, Maine 04106
 PH: (207) 780-6722 FAX: (207) 780-6726

TRANSMITTAL

598-TR-06

Date: March 25, 2016

Project: Rutland, VT TH-10 Ripley Road Truss
 Project No: BRF 3000 (19)
 CBSS Project No: 598

To: Mike Martin
 Kubricky Construction Group
 269 Ballard Road
 Wilton, NY 12831

Subject: Expansion Joint Shop Drawings for Approval 1 Set Electronic

Sent Via: Email

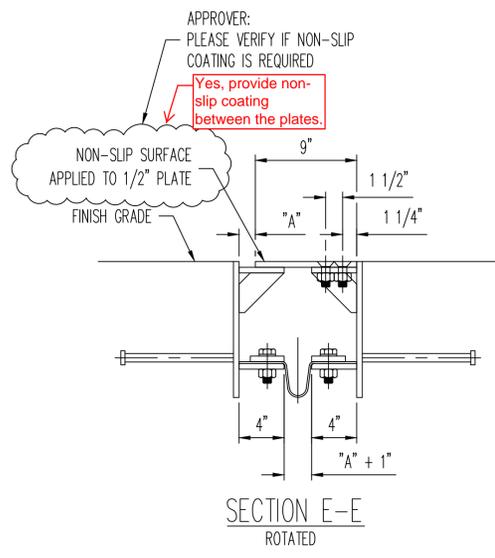
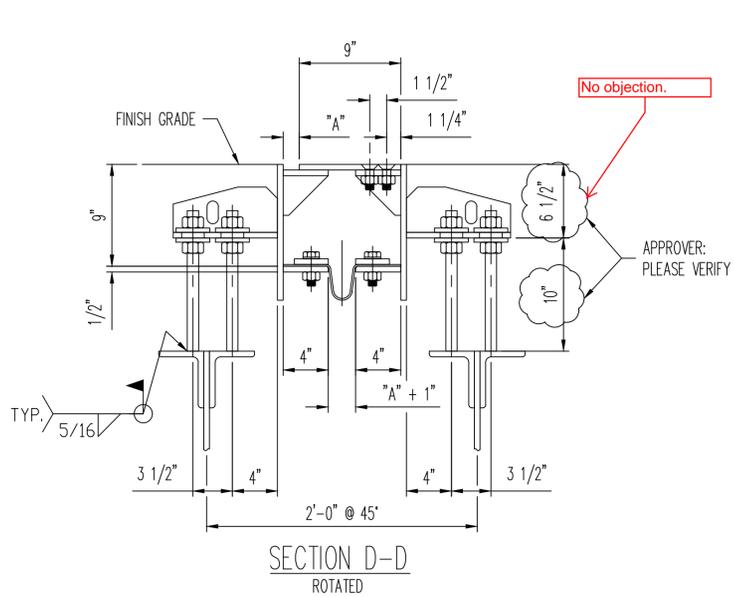
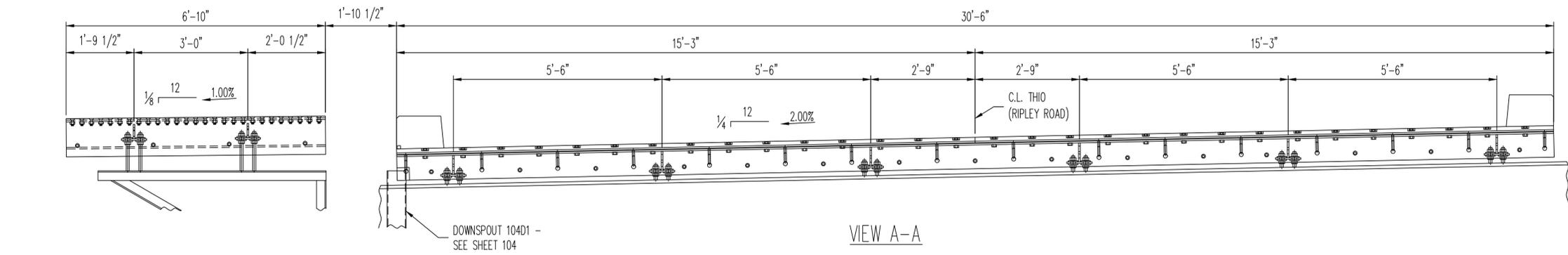
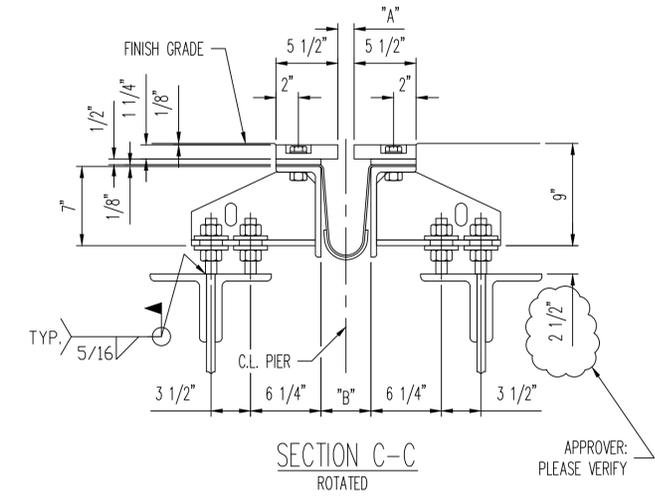
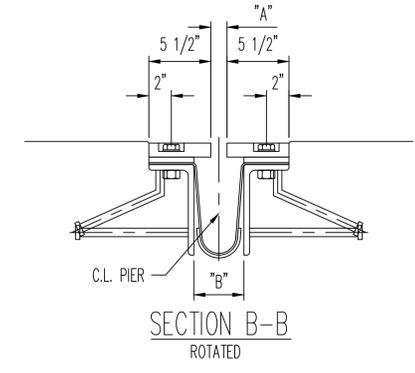
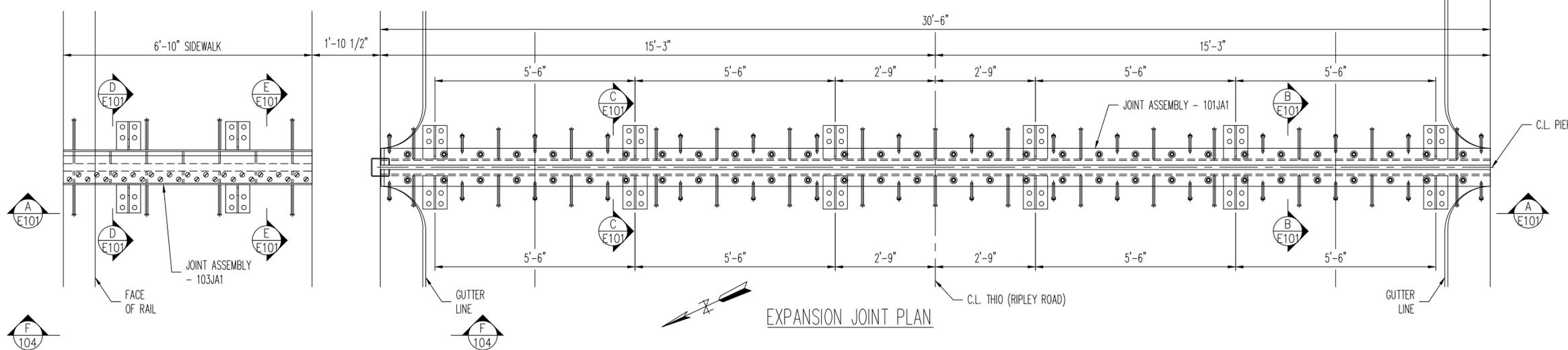
Drawings in this submittal: 9 TOTAL

- E101, X10-X13, 101-104
- _____
- _____
- _____

Notes: _____

 Expansion joint drawings for approval.

Signed: Andy Carrell
 Andy Carrell
 Project Manager



TEMP. SETTING CHART		
TEMP °F	DIM "A"	DIM "B"
0	2 3/8"	5 3/8"
15	1 7/8"	4 7/8"
30	1 3/8"	4 3/8"
45	1 1/8"	4 1/8"
60	1 1/8"	4 3/8"
75	1 5/16"	3 15/16"
90	1 1/16"	3 11/16"
105	1/2"	3 1/2"

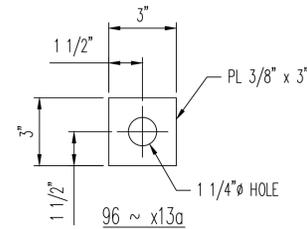
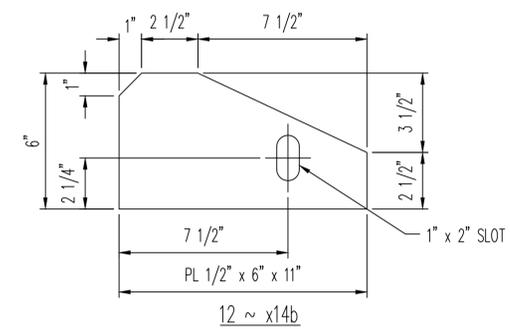
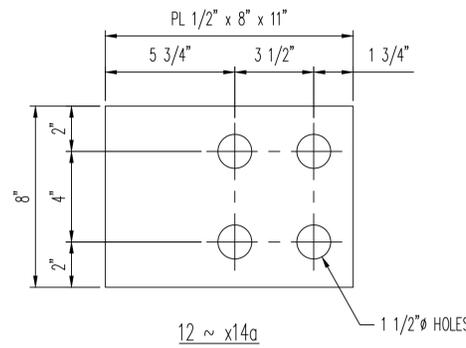
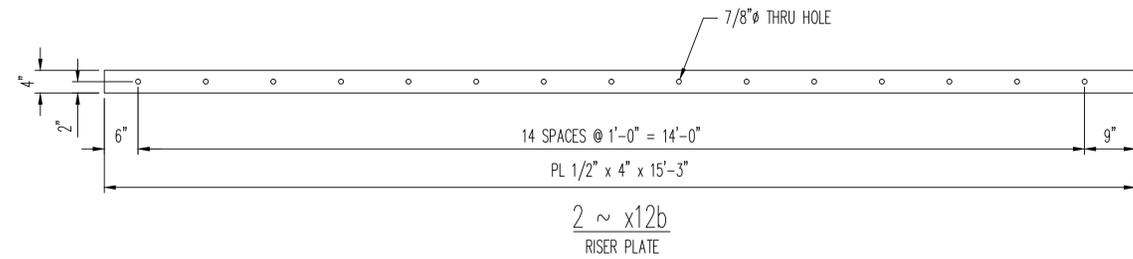
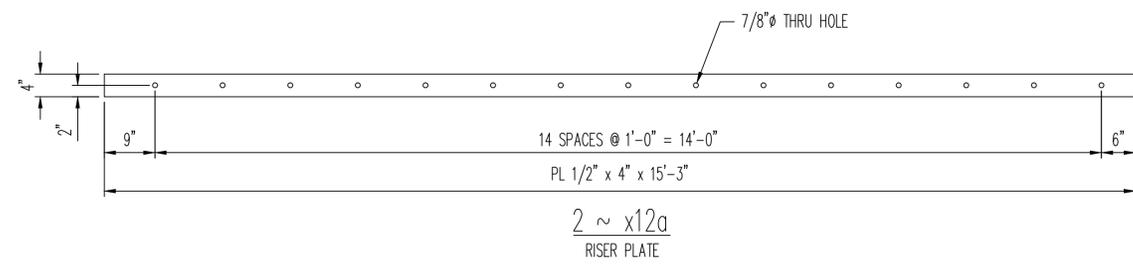
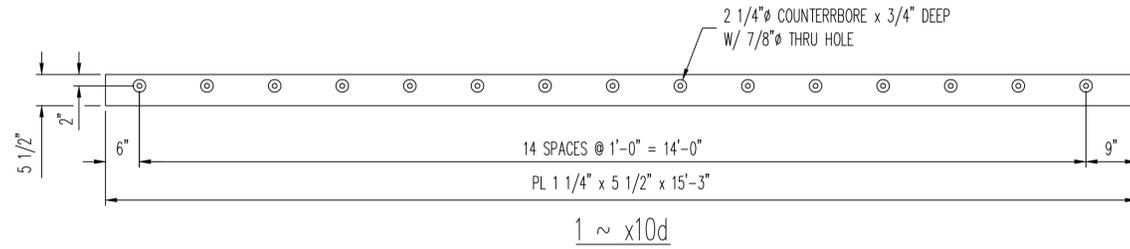
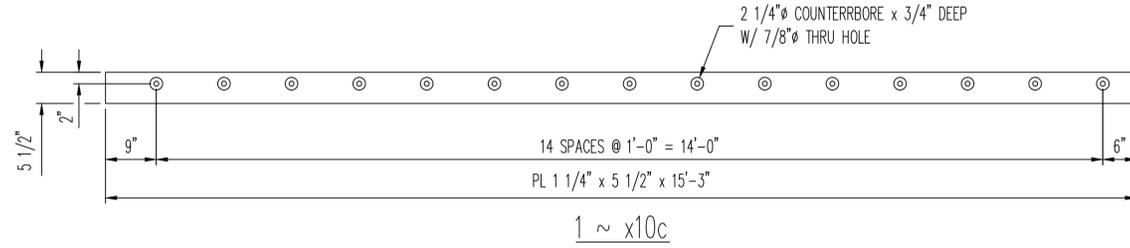
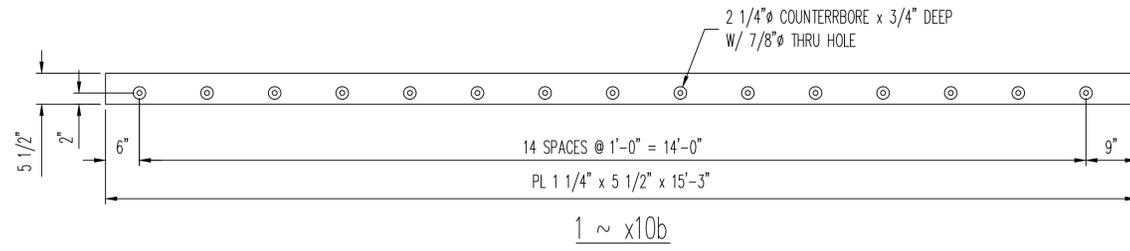
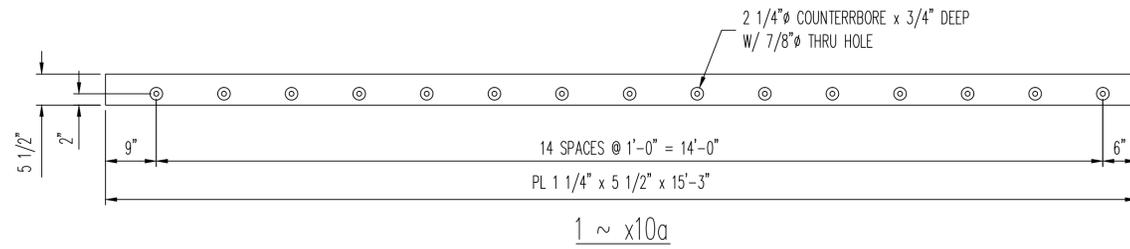
NO EXCEPTION TAKEN
 REJECTED
 MAKE CORRECTIONS NOTED
 REVISE AND RESUBMIT
 SUBMIT SPECIFIED ITEM

CHECKING IS ONLY FOR THE GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF THE WORK.

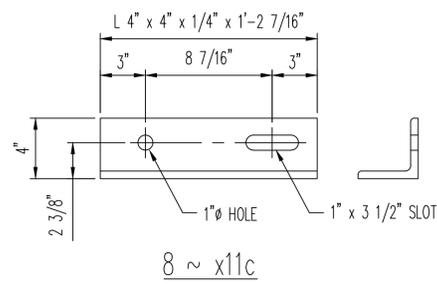
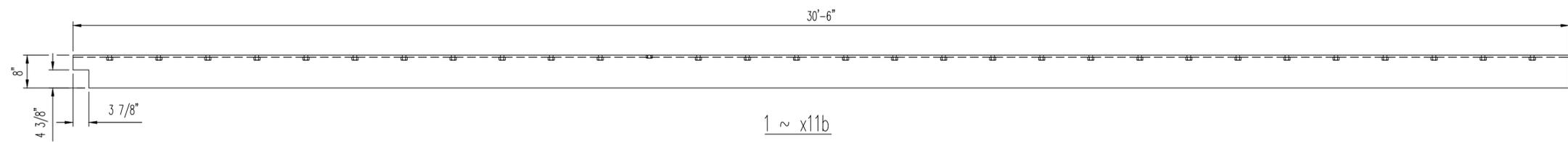
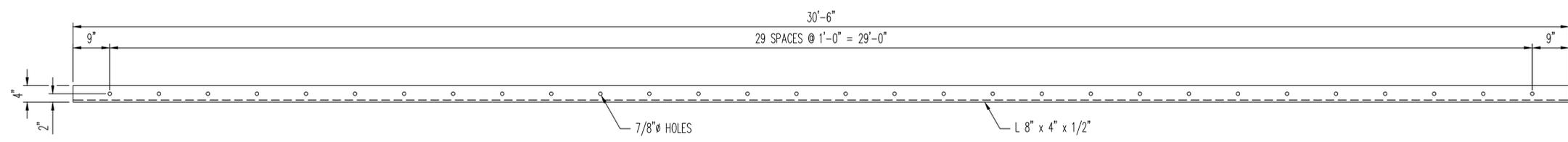
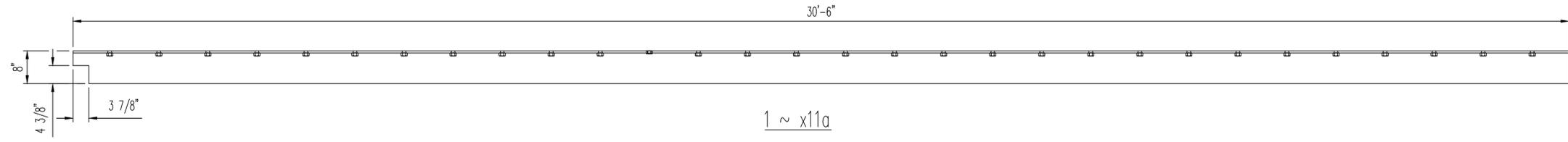
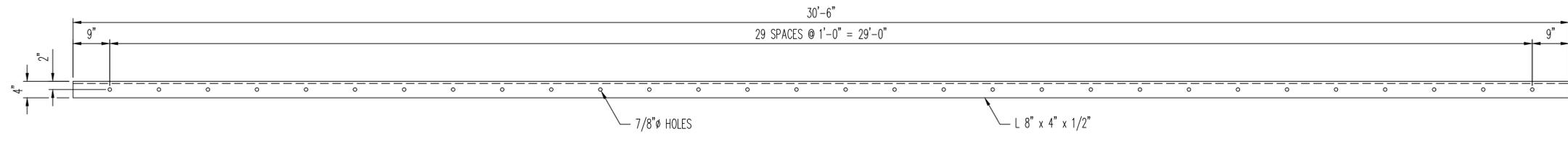
CHA
 DATE 04/05/16 BY J. NAJDOWSKI

NOTES:
 - ALL DIMENSIONS SHOWN HORIZONTAL U.N.O.
 - ALL DIMENSIONS SHOWN AT 45°.

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:
M270M-250 U.N.O.		GALV. - PER STD. 726.08		AS NOTED		AS NOTED
DESCRIPTION: EXPANSION JOINT - FABRICATION SHEET						
CASCO BAY STEEL STRUCTURES, INC.						
1 WALLACE AVE. PHONE (207) 780-6722						
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE: BRIDGE NO. 17				DRAWN:	DATE:	
TH 10 (RIPLEY ROAD) OVER OTTER CREEK				SLB	03/23/16	
STATE OF VERMONT AGENCY OF TRANS.				CHKD:	DATE:	
				JEB	03/23/16	
LOCATION: RUTLAND CITY, VT			JOB NO.	DWG NO.		
PROJ NO. BRF 3000(19)			598	E101		
CUSTOMER: KUBRICKY CONSTRUCTION CORP.				REV. 0		



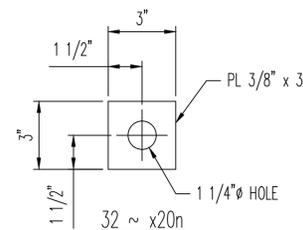
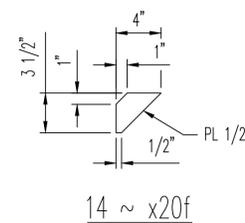
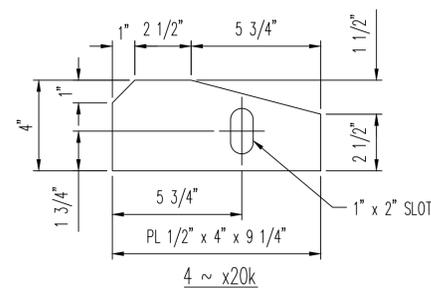
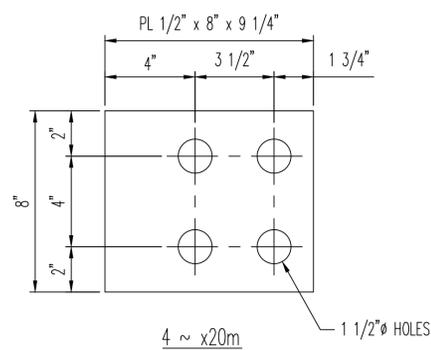
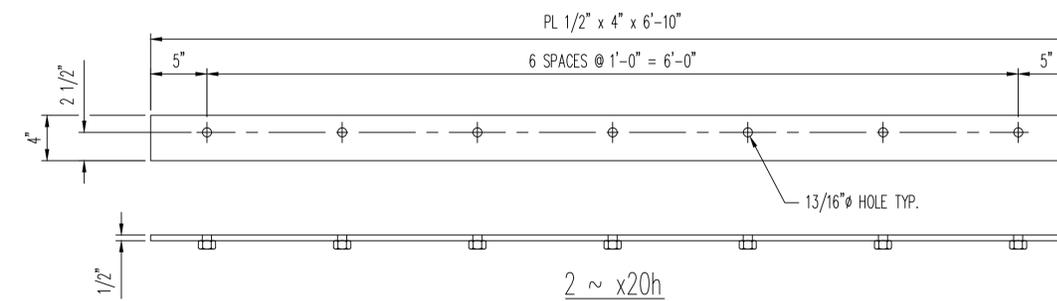
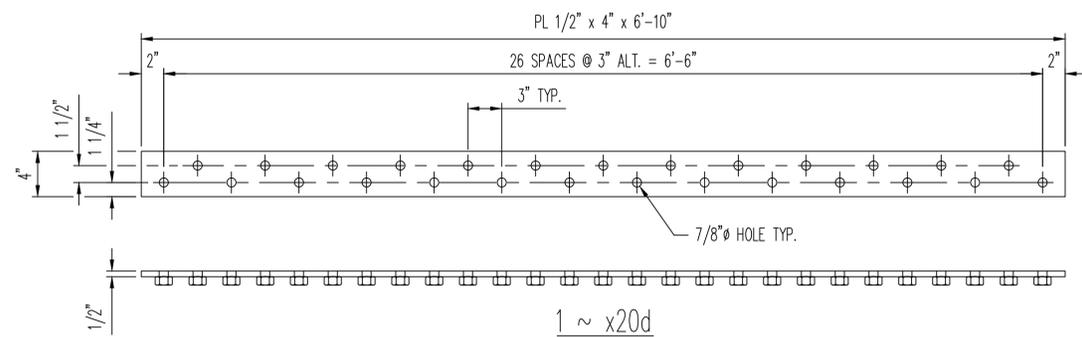
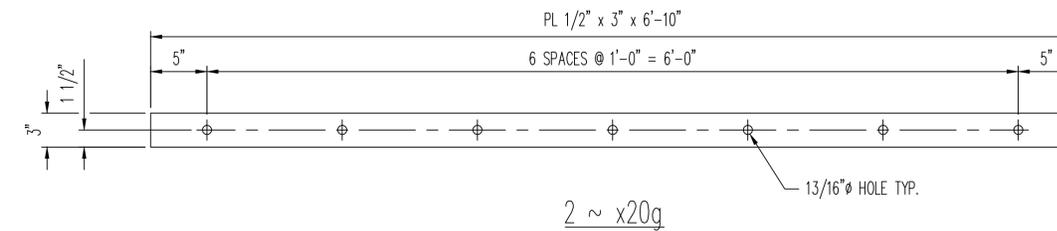
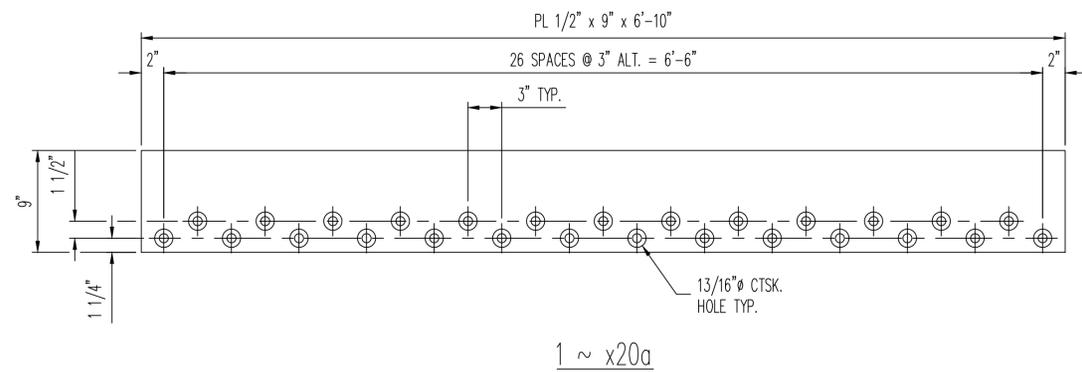
REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:
M270M-250 U.N.O.		GALV. - PER STD. 726.08		AS NOTED		AS NOTED
DESCRIPTION: EXPANION JOINT - DETAILS						
CASCO BAY STEEL STRUCTURES, INC.						
1 WALLACE AVE. PHONE (207) 780-6722						
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE: BRIDGE NO. 17 TH 10 (RIPLEY ROAD) OVER OTTER CREEK				DRAWN:	DATE:	
STATE OF VERMONT AGENCY OF TRANS.				SLB	03/23/16	
				CHKD:	DATE:	
				JEB	03/23/16	
LOCATION: RUTLAND CITY, VT				JOB NO.	DWG NO.	
PROJ NO. BRF 3000(19)				598	X10	
CUSTOMER: KUBRICKY CONSTRUCTION CORP.					REV.	0



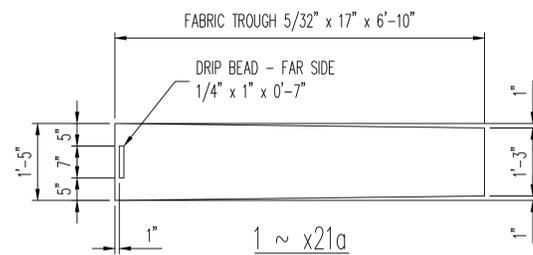
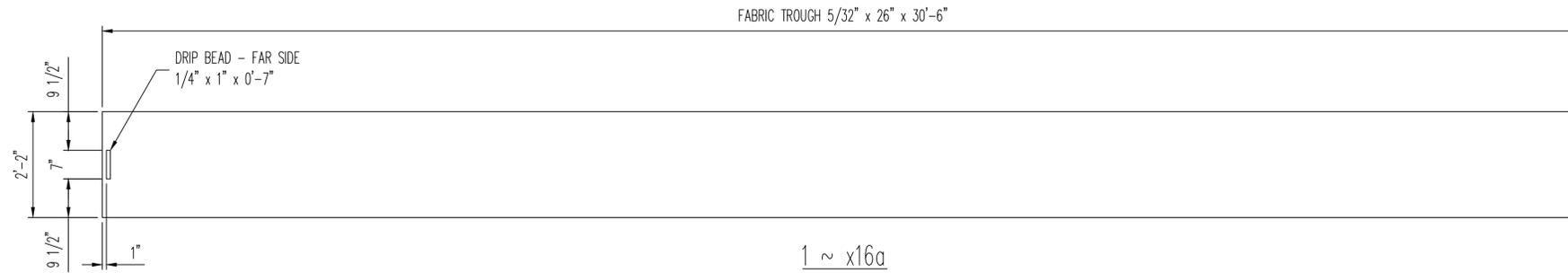
1/4" RAD.

1/4" RAD.

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP	
MATERIAL:	M270M-250 U.N.O.	SURFACE PREP. & PAINT:	GALV. - PER STD. 726.08	HOLES:	AS NOTED	SHOP BOLTS:	AS NOTED
DESCRIPTION: EXPANION JOINT - DETAILS							
CASCO BAY STEEL STRUCTURES, INC.							
1 WALLACE AVE. PHONE (207) 780-6722							
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726							
STRUCTURE:	BRIDGE NO. 17	TH 10 (RIPLEY ROAD) OVER OTTER CREEK	DRAWN:	SLB	DATE:	03/23/16	
	STATE OF VERMONT AGENCY OF TRANS.		CHKD:	JEB	DATE:	03/23/16	
LOCATION:	RUTLAND CITY, VT		JOB NO.		DWG NO.		
PROJ NO.	BRF 3000(19)		598		X11		
CUSTOMER:	KUBRICKY CONSTRUCTION CORP.				REV.	0	

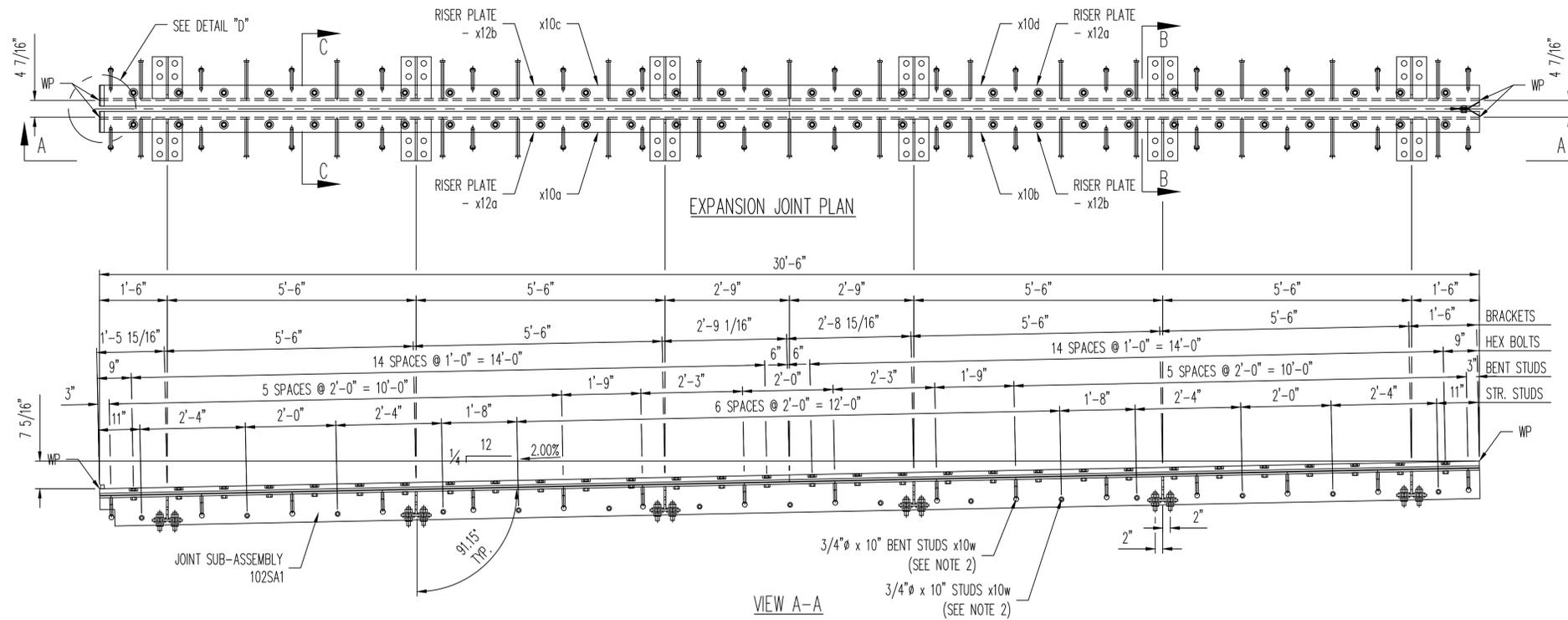


REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:
M270M-250 U.N.O.		GALV. - PER STD. 726.08		AS NOTED		AS NOTED
DESCRIPTION: EXPANSION JOINT - DETAILS						
CASCO BAY STEEL STRUCTURES, INC.						
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SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE: BRIDGE NO. 17 TH 10 (RIPLEY ROAD) OVER OTTER CREEK				DRAWN:	DATE:	
STATE OF VERMONT AGENCY OF TRANS.				SLB	03/23/16	
				CHKD:	DATE:	
				JEB	03/23/16	
LOCATION: RUTLAND CITY, VT				JOB NO.	DWG NO.	
PROJ NO. BRF 3000(19)				598	X12	
CUSTOMER: KUBRICKY CONSTRUCTION CORP.				REV.	0	

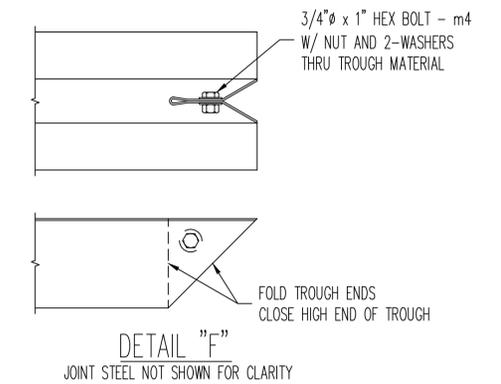
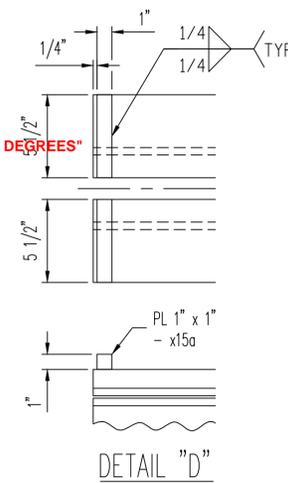
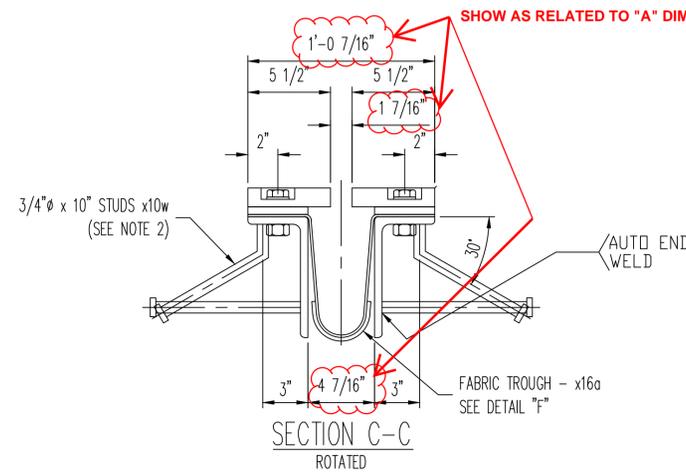
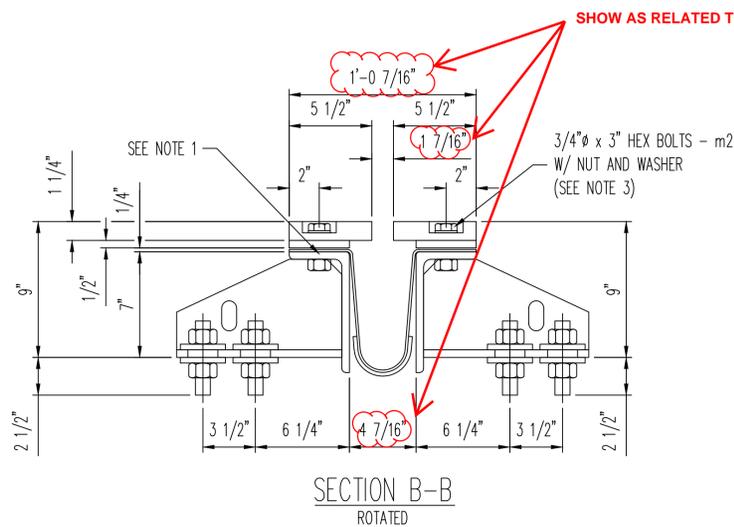


NOTE:
 1.) FABRIC TROUGH SHALL BE 3-PLY PREFORMED FABRIC MATERIAL CONFORMING TO SECTION 707.07 AND SHALL BE CUT PRE-ASSEMBLY FROM ONE PIECE.
 2.) DRIP BEAD OF FABRIC MATERIAL SHALL BE CEMENTED TO THE BOTTOM OF THE FABRIC TROUGH.

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:	SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:	
M270M-250 U.N.O.	GALV. - PER STD. 726.08		AS NOTED		AS NOTED	
DESCRIPTION: EXPANION JOINT - DETAILS						
CASCO BAY STEEL STRUCTURES, INC.						
1 WALLACE AVE. PHONE (207) 780-6722						
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE: BRIDGE NO. 17			DRAWN:	DATE:		
TH 10 (RIPLEY ROAD) OVER OTTER CREEK			SLB	03/23/16		
STATE OF VERMONT AGENCY OF TRANS.			CHKD:	DATE:		
			JEB	03/23/16		
LOCATION:	RUTLAND CITY, VT			JOB NO.	DWG NO.	
PROJ NO.	BRF 3000(19)			598	X13	
CUSTOMER:	KUBRICKY CONSTRUCTION CORP.			REV.	0	



1 ~ EXPANSION JOINT ASSEMBLY ~ 101JA1

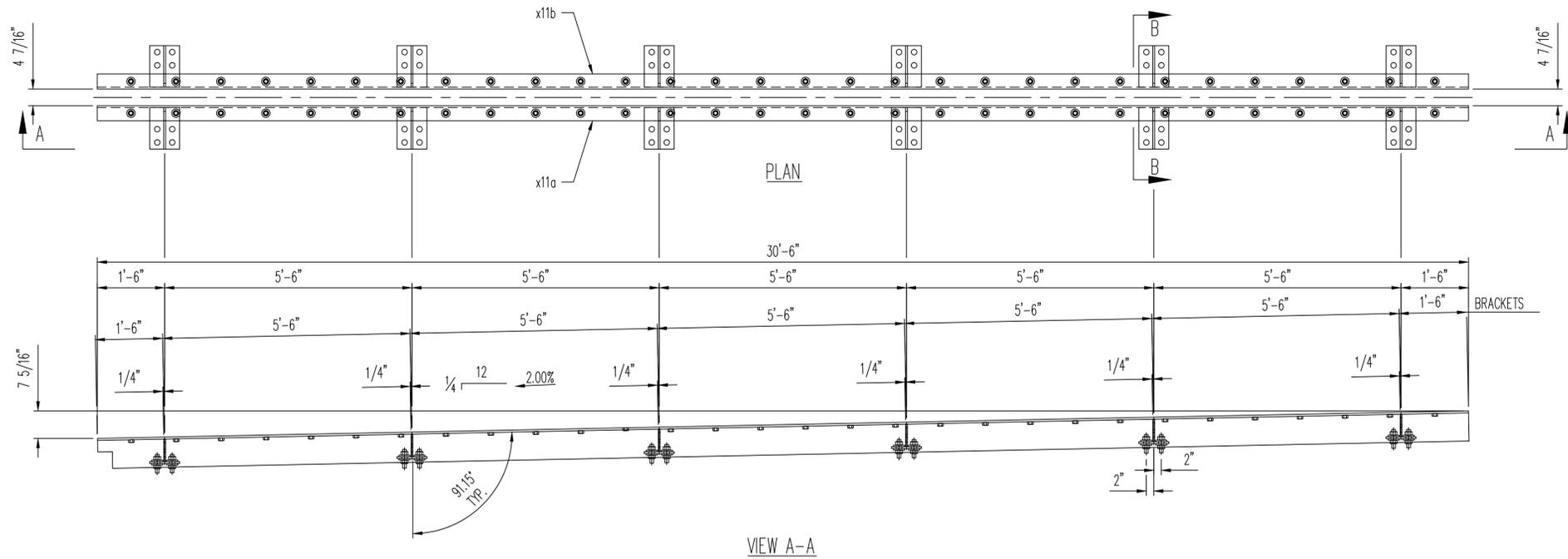


NOTE:
 1.) 1/16" x 3" BUTYL RUBBER TAPE MK m1 PER AASHTO M198 CENTERED ON EACH LINE OF BOLTS AND PLACED BETWEEN ANGLE AND FABRIC.
 2.) STUDS WELDED AT 2'-0" O.C. BENT AS SHOWN ALTERNATE STRAIGHT STUDS AT 2'-0" O.C.
 3.) WELD NUTS UNDERNEATH ON (3) SIDES COAT BOLT & NUT THREADS WITH NICKEL BASED NEVER SEIZE LUBE.

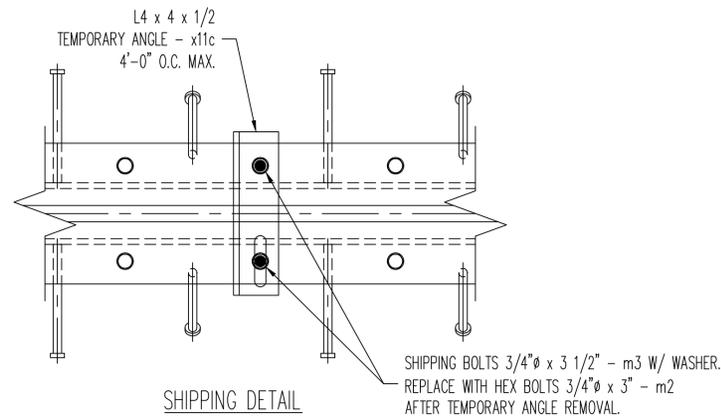
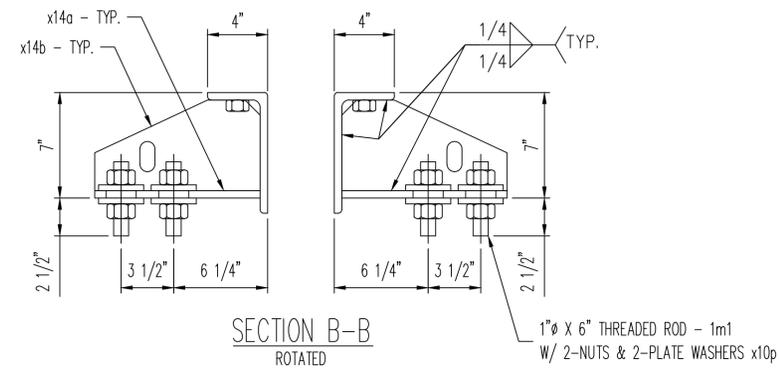
BILL OF MATERIAL

BLOCK QTY.	BLOCK NO.	MARK	NO. PCS	SHAPE	LENGTH FT	IN	REMARKS
	1	101JA1	ONE	PLATE JOINT	30	6	GALV
	2	x10a	1	PL 1 1/4 X 5 1/2	15	3	GALV
	3	x10b	1	PL 1 1/4 X 5 1/2	15	3	GALV
	4	x10c	1	PL 1 1/4 X 5 1/2	15	3	GALV
	5	x10d	1	PL 1 1/4 X 5 1/2	15	3	GALV
	6	x11a	1	L8 X 4 X 1/2	30	6	GALV
	7	x11b	1	L8 X 4 X 1/2	30	6	GALV
	8	x11c	8	L4 X 4 X 1/4	1	2 3/16	GALV
	9	x12a	2	PL 1/2 X 4	15	3	GALV
	10	x12b	2	PL 1/2 X 4	15	3	GALV
	11	x13a	96	PL 3/8 X 3	0	3	GALV
	12	x14a	12	PL 1/2 X 8	0	11	GALV
	13	x14b	12	PL 1/2 X 6	0	11	GALV
	14	x15a	2	PL 1 X 1	0	5 1/2	GALV
	15	x16a	1	NP 5/32 X 26	30	6	FABRIC TROUGH
	16	x10w	62	3/4 DIA STUD	0	10	HEADED STUD
	17	m1	2	1/16 X 3 TAPE	30	6	AASHTO M198
	18	m2	60	3/4 GALV BOLTS	0	3	W/ NUT & WASHER
	19	m3	16	3/4 DIA GALV BOLTS	0	3 1/2	W/ NUT & WASHER
	20	m4	1	3/4 DIA GALV BOLTS	0	1	W/ NUT & 2-WASHERS
	21	1m1	20	1" THRD. RODS	0	6	W/ 2-NUTS
	22						

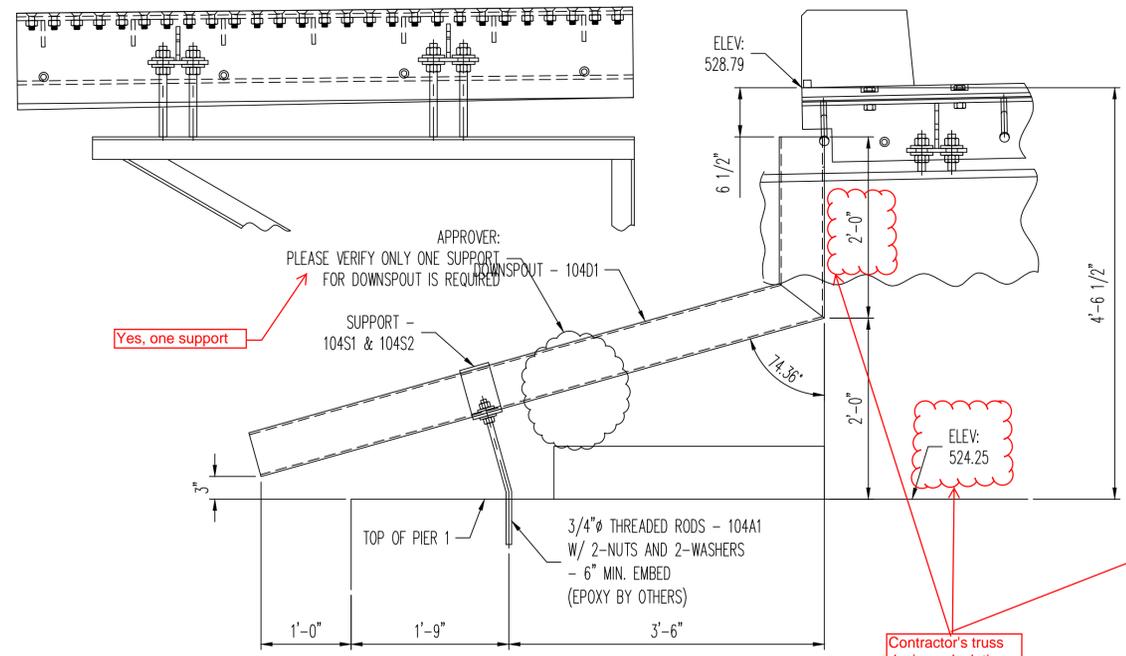
REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:	M270M-250 U.N.O.	SURFACE PREP. & PAINT: GALV. - PER STD. 726.08	HOLES: AS NOTED	SHOP BOLTS: AS NOTED		
DESCRIPTION: EXPANION JOINT - ERECTION SHEET						
CASCO BAY STEEL STRUCTURES, INC.						
1 WALLACE AVE. PHONE (207) 780-6722						
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE:	BRIDGE NO. 17	TH 10 (RIPLEY ROAD) OVER OTTER CREEK	DRAWN:	DATE:		
		STATE OF VERMONT AGENCY OF TRANS.	SLB	03/23/16		
			CHKD:	DATE:		
			JEB	03/23/16		
LOCATION:	RUTLAND CITY, VT		JOB NO.	DWG NO.		
PROJ NO.	BRF 3000(19)		598	101		
CUSTOMER:	KUBRICKY CONSTRUCTION CORP.			REV.	0	



1 ~ LOWER JOINT SUB-ASSEMBLY ~ 102SA1

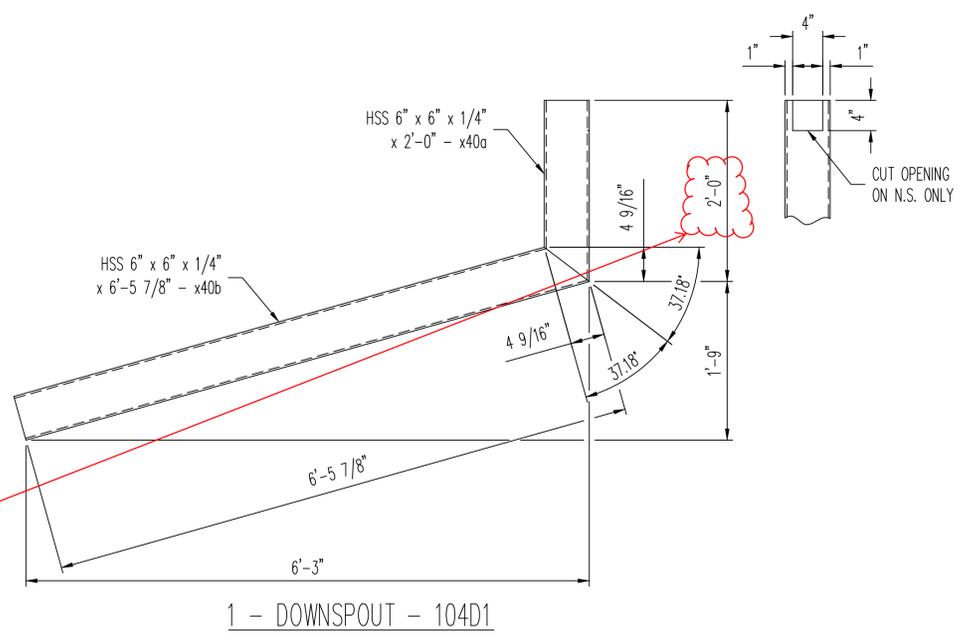


REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:	M270M-250 U.N.O.	SURFACE PREP. & PAINT:	GALV. - PER STD. 726.08	HOLES:	AS NOTED	SHOP BOLTS:
						AS NOTED
DESCRIPTION: EXPANION JOINT - ERECTION SHEET						
CASCO BAY STEEL STRUCTURES, INC.						
1 WALLACE AVE. PHONE (207) 780-6722						
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE: BRIDGE NO. 17 TH 10 (RIPLEY ROAD) OVER OTTER CREEK					DRAWN:	DATE:
STATE OF VERMONT AGENCY OF TRANS.					SLB	03/23/16
					CHKD:	DATE:
					JEB	03/23/16
LOCATION:	RUTLAND CITY, VT				JOB NO.	DWG NO.
PROJ NO.	BRF 3000(19)				598	102
CUSTOMER:	KUBRICKY CONSTRUCTION CORP.				REV.	0

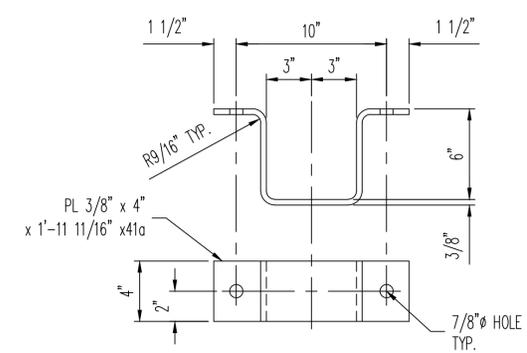


SECTION F-F
(SHEET E101)

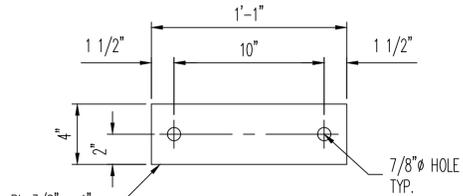
Contractor's truss design calculations show revised top of pier elevation as 523.70. Please confirm with Contractor the correct elevation and revise dimensions and downspout as necessary.



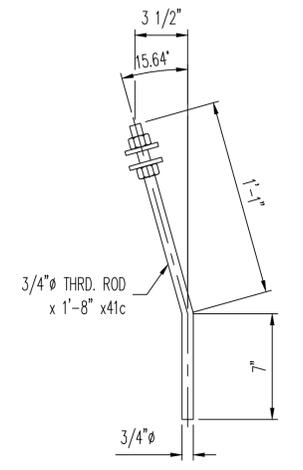
1 - DOWNSPOUT - 104D1



1 - SUPPORT - 104S1



1 - SUPPORT - 104S2



1 - ANCHOR - 104A1

BILL OF MATERIAL

BLOCK QTY.	BLOCK NO.	MARK	NO. PCS	SHAPE	LENGTH FT	IN	REMARKS
1	104D1		ONE	DOWNSPOUT	8	5	GALV
2	x40a		1	HSS 6 X 6 X 1/4	2	0	A500B
3	x40b		1	HSS 6 X 6 X 1/4	6	5 1/2	A500B
4							
5	104S1		ONE	SUPPORT	1	1	GALV
6	x41a		1	PL 3/8 x 4	1	11 1/16	GALV
7							
8	104S2		ONE	SUPPORT	1	1	GALV
9	x41b		1	PL 3/8 x 4	1	1	GALV
10							
11	104A1		ONE	ANCHOR ROD	1	8	
12	x41c		2	3/4 THRD. RODS	1	8	W 2-NUTS & 2-WASHERS
13							
14							
15							
16							
17							
18							
19							
20							

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:	M270M-250 U.N.O.	SURFACE PREP. & PAINT: GALV. - PER STD. 726.08	HOLES: AS NOTED	SHOP BOLTS: AS NOTED		
DESCRIPTION: EXPANSION JOINT - DOWNSPOUT						
CASCO BAY STEEL STRUCTURES, INC. 1 WALLACE AVE. PHONE (207) 780-6722 SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE: BRIDGE NO. 17 TH 10 (RIPLEY ROAD) OVER OTTER CREEK STATE OF VERMONT AGENCY OF TRANS.				DRAWN: SLB	DATE: 03/23/16	
LOCATION: RUTLAND CITY, VT				CHKD: JEB	DATE: 03/23/16	
PROJ NO.	BRF 3000(19)		JOB NO.		DWG NO. 104	
CUSTOMER:	KUBRICKY CONSTRUCTION CORP.		598		REV. 0	