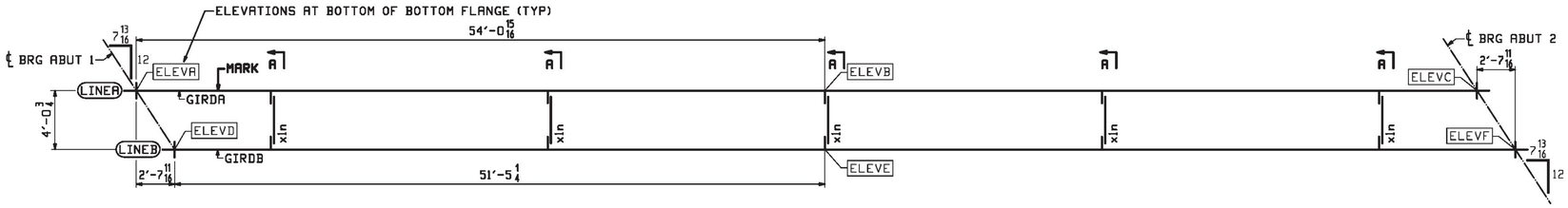
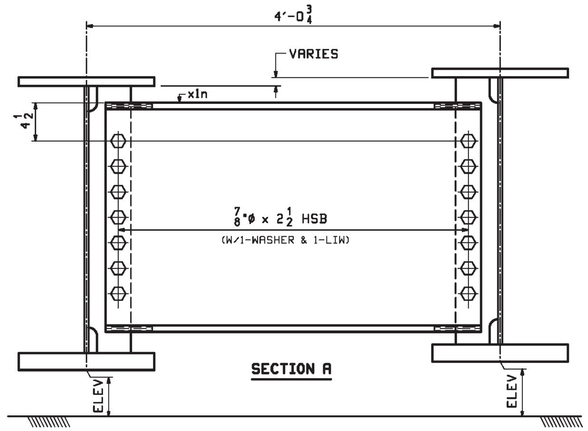


UNIT ASSEMBLY

MARK	LINEA	LINEB	GIRDA	GIRDB	ELEVA	ELEVB	ELEVC	ELEVD	ELEVE	ELEVF
13M1	1	2	1G1	2G2	1'-0	1'-8 1/16	1'-0	1'-1	1'-9	1'-0 15/16
13M2	3	4	3G3	4G4	1'-0	1'-8 1/16	1'-0	1'-1	1'-9	1'-0 15/16
13M3	5	6	5G5	6G6	1'-0	1'-8 1/16	1'-0	1'-1	1'-9	1'-0 15/16
13M4	7	8	7G7	8G8	1'-0 15/16	1'-9 1/16	1'-1	1'-0	1'-8 1/16	1'-0
13M5	9	10	9G9	10G10	1'-0 15/16	1'-9 1/16	1'-1	1'-0	1'-8 1/16	1'-0
13M6	11	12	11G11	12G12	1'-0 15/16	1'-9 1/16	1'-1	1'-0	1'-8 1/16	1'-0

△2

A DTI REP. (ALONG WTIH VTRAN'S QAI) WILL BE REQUIRED TO BE ON-SITE AT THE SHOP PRIOR TO ANY FINAL BOLTING, AS WELL AS ALL REQUIRED DTI VERIFICATION TESTS COMPLETED AND WITNESSED.



SECTION A

Vermont Agency of Transportation
RECEIVED
CK'D BY VHB OK'D BY TAS
March 31, 2017
RESUBMIT _____ APPROVED YES
BY T Sumner DATE 4/11/17

PCP Mon, Nov 13, 2017 03:48:52 PM //users/jobs/24825/13.dwg

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 REQUIRMENTS 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.

vhb
40 IDX Drive
Building 100, Suite 200
South Burlington, VT 05403
802.497.6100

Job Number: BRF 025-1(42)
Reviewed By: E.F. LAWES
Date: April 11, 2017

NOTES:
1. ALL ELEVATIONS AND DIMENSIONS ARE GIVEN TO THE BOTTOM OF THE BOTTOM FLANGE.
2. FOR GENERAL NOTES SEE DRAWING GN1.
3. SECTION SHOWN IS TO ILLUSTRATE ELEVATION DIMENSIONS.

BILL OF MATERIAL

ABM INFO PAGE	ABM INFO LINE	SHIP MARK	QTY	MARK	MATERIAL	LENGTH FT	LENGTH INCHES	REMARKS	WT	PROCUREMENT NOTES
		13M1	1		UNIT ASSEMBLY				48064	
			1	1G1	GIRDER SUB-ASSEMBLY			SEE DWG 1	23170	
			1	2G2	GIRDER SUB-ASSEMBLY			SEE DWG 2	23279	
2	G		5	xIn	W 27x84	3	8 1/4		310	
3	G		70		7/8 ø HSB	0	2 1/2	MECH GALV A325-1	0.80	
3	J		70		7/8 ø HSW			MECH GALV F436-1	0.07	
3	K		70		LOAD IND. 7/8 ø HSB WASH FOR			MECH GALV F959	0.07	
		13M2	1		UNIT ASSEMBLY				48173	
			1	3G3	GIRDER SUB-ASSEMBLY			SEE DWG 3	23279	
			1	4G4	GIRDER SUB-ASSEMBLY			SEE DWG 4	23279	
2	G		5	xIn	W 27x84	3	8 1/4		310	
3	G		70		7/8 ø HSB	0	2 1/2	MECH GALV A325-1	0.80	
3	J		70		7/8 ø HSW			MECH GALV F436-1	0.07	
3	K		70		LOAD IND. 7/8 ø HSB WASH FOR			MECH GALV F959	0.07	
		13M3	1		UNIT ASSEMBLY				48173	
			1	5G5	GIRDER SUB-ASSEMBLY			SEE DWG 5	23279	
			1	6G6	GIRDER SUB-ASSEMBLY			SEE DWG 6	23279	
2	G		5	xIn	W 27x84	3	8 1/4		310	
3	G		70		7/8 ø HSB	0	2 1/2	MECH GALV A325-1	0.80	
3	J		70		7/8 ø HSW			MECH GALV F436-1	0.07	
3	K		70		LOAD IND. 7/8 ø HSB WASH FOR			MECH GALV F959	0.07	
		13M4	1		UNIT ASSEMBLY				48307	
			1	7G7	GIRDER SUB-ASSEMBLY			SEE DWG 7	23279	
			1	8G8	GIRDER SUB-ASSEMBLY			SEE DWG 8	23413	
2	G		5	xIn	W 27x84	3	8 1/4		310	
3	G		70		7/8 ø HSB	0	2 1/2	MECH GALV A325-1	0.80	
3	J		70		7/8 ø HSW			MECH GALV F436-1	0.07	
3	K		70		LOAD IND. 7/8 ø HSB WASH FOR			MECH GALV F959	0.07	
		13M5	1		UNIT ASSEMBLY				48307	
			1	9G9	GIRDER SUB-ASSEMBLY			SEE DWG 9	23413	
			1	10G10	GIRDER SUB-ASSEMBLY			SEE DWG 10	23279	
2	G		5	xIn	W 27x84	3	8 1/4		310	
3	G		70		7/8 ø HSB	0	2 1/2	MECH GALV A325-1	0.80	
3	J		70		7/8 ø HSW			MECH GALV F436-1	0.07	
3	K		70		LOAD IND. 7/8 ø HSB WASH FOR			MECH GALV F959	0.07	
		13M6	1		UNIT ASSEMBLY				48064	
			1	11G11	GIRDER SUB-ASSEMBLY			SEE DWG 11	23279	
			1	12G12	GIRDER SUB-ASSEMBLY			SEE DWG 12	23170	
2	G		5	xIn	W 27x84	3	8 1/4		310	
3	G		70		7/8 ø HSB	0	2 1/2	MECH GALV A325-1	0.80	
3	J		70		7/8 ø HSW			MECH GALV F436-1	0.07	
3	K		70		LOAD IND. 7/8 ø HSB WASH FOR			MECH GALV F959	0.07	

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
△2	03/09 2017	APPROVAL COMMENTS/REV TABLE FORMAT	ATD	PCP		
△1	01/09 2017	REV WEIGHTS (EXTRR-TEC-3429-001)	ATD	PCP		
0						

MATERIAL:	SURFACE PREP. & PAINT:	HOLES:	SHOP BOLTS:
M270-50 (UN)	SEE DWG GN1	AS NOTED	AS NOTED

DESCRIPTION: UNIT ASSEMBLY DIAGRAM

CASCO BAY STEEL STRUCTURES, INC.
1 WALLACE AVE. SOUTH PORTLAND, ME 04106
PHONE (207) 780-6722 FAX. (207) 780-6726
TENSOR 3429

STRUCTURE:
VT RTE 103 (MAIN STREET) OVER BLACK RIVER
BRIDGE NO. 25
ROUTE T.H.1 (VT 103) CLASS 1 F.A.S. 025-1

DRAWN: ATD DATE: 12/07
CHKD: PCP DATE: 12/13

LOCATION: TOWN OF LUDLOW, WINDSOR COUNTY, VT
PROJ NO. BRF 025-1(42)
CUSTOMER: COLD RIVER BRIDGES, LLC.

JOB NO. 684
DWG NO. 13
REV. △2