



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

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 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.

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

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

FIELD BOLT LIST		A325 Type 1 (MECH GALV) BOLTS				WASHER CODES	
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLTS OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED	PIECES CONNECTED AND REMARKS
1							EXTERIOR DIAPH - 14DI
2	280	7/8	2 1/2	7	40	15/16 1/2	L1 Diaph Web - Stiffener
3							
4							WATER MAIN SUPPORT - 14UI
5	22	7/8	2 1/2	2	11	3/4 1/2	L1 WT Stem - Stiffener
6							

Li: 1 Flat, 1 Load Ind.
 LIM @ head, hard wa. @ nut

FIELD BOLT SUMMARY		2x + 2 ADDED, MIN. 2 EXTRA				
LINE	NO. OF BOLTS	BOLT DIA.	TYPE	BOLT LEN.	ACTUAL COUNT	REMARKS
1	24	7/8	A325 Type 1	2 1/4	22	(MECH GALV) RCT
2	280	7/8	A325 Type 1	2 1/2	280	(MECH GALV) RCT
3						
4	312		Hard Flat Washers	for 7/8" BOLT		(ACTUAL 302)(MECH GALV) RCT
5	312		Load Ind. Washers	for 7/8" BOLT		(ACTUAL 302)(MECH GALV) RCT
6						
7						
8						

03/08/2017	APPROVAL COMMENTS	ATD	PCP		
01/05/2017	REV FIELD BOLTS QTY, ADD NEW DIAPH & REMOVE SECT A-A & B-B (EXTRA-TEC-3429-001)	ATD	PCP		
REV. DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:	SURFACE PREP. & PAINT:	HOLES:	SHOP BOLTS:		
DESCRIPTION: FRAMING PLAN & FIELD BOLTS					
		CASCO BAY STEEL STRUCTURES, INC. 1 WALLACE AVE. PHONE (207) 780-6722 SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726			
STRUCTURE:	VT RTE 103 (MAIN STREET) OVER BLACK RIVER BRIDGE NO. 25	DRAWN:	ATD	DATE:	12/08
	ROUTE T.H.1 (VT 103) CLASS 1 F.R.S. 025-1	CHKD:	PCP	DATE:	12/13
LOCATION:	TOWN OF LUDLOW, WINDSOR COUNTY, VT	JOB NO.	DWG NO.		
PROJ NO.	BRF 025-1(42)	684	E1		
CUSTOMER:	COLD RIVER BRIDGES, L.L.C.	REV.			

PC: Rev. No. 13, 03/08/2017 PM 4:58:53 AM /user/104245/CL1_Rev1