



FIELD BOLT LIST		A325 Type 3 BOLTS										WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D	BOLT DIA.	BOLT LEN.	BOLTS PER CONN.	# OF CONNS.	GRIP	THICKNESS OF PCS. CONNECTED						
FIELD SPLICES 1 & 4													
1													
2	840	7/8	6	84	10	115	30	50	35				1 TOP FLANGE SPLICE
3	1080	7/8	3 1/2	108	10	53	14	25	14				1 WEB SPLICE
4	720	7/8	8	72	10	115	30	50	35				1 BOTTOM FLANGE SPLICE
5													
FIELD SPLICES 2 & 3													
6													
7	580	7/8	6	58	10	115	30	50	35				1 TOP FLANGE SPLICE
8	1500	7/8	3 1/2	150	10	48	14	20	14				1 WEB SPLICE
9	432	7/8	6	72	6	115	30	50	35				1 BOTTOM FLANGE SPLICE
10	264	7/8	6	66	4	115	30	50	35				1 BOTTOM FLANGE SPLICE (LINES 2 & 4)
11	36	7/8	6 1/2	9	4	120	30	50	35	13			1 BTH FLANGE SPLICE w/LATERAL GUSSET
12													
FIELD SPLICES 5 & 6													
13													
14	880	7/8	5 1/2	88	10	110	30	50	30				1 TOP FLANGE SPLICE
15	1040	7/8	3 1/2	104	10	53	14	25	14				1 WEB SPLICE
16	980	7/8	5 1/2	98	10	110	30	50	30				1 BOTTOM FLANGE SPLICE
17													
INT. CROSSFRAMES D2 & D3													
18													
19	788	7/8	2 1/2	8	98	28	13	13					1 TOP GUSSET TO CONNECTION PLATE
20	384	7/8	2 1/2	4	98	28	13	13					1 BTH GUSSET TO CONNECTION PLATE
21													
INT. CROSSFRAMES D4													
22													
23	180	7/8	2 1/2	10	18	28	13	13					1 TOP GUSSET TO CONNECTION PLATE
24	180	7/8	2 1/2	10	18	28	13	13					1 BTH GUSSET TO CONNECTION PLATE
25													
WASHER CODES													
1: 1 Hard Flat Washer													
2: 2 Hard Flat Washers													

FIELD BOLT LIST		A325 Type 3 BOLTS										WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D	BOLT DIA.	BOLT LEN.	BOLTS PER CONN.	# OF CONNS.	GRIP	THICKNESS OF PCS. CONNECTED						
INT. CROSSFRAMES D5													
26													
27	704	7/8	2 1/2	8	88	26	13	13					1 TOP GUSSET TO CONNECTION PLATE
28	704	7/8	2 1/2	8	88	26	13	13					1 BTH GUSSET TO CONNECTION PLATE
29													
30													
INT. CROSSFRAMES D6													
31	384	7/8	2 1/2	4	48	26	13	13					1 TOP GUSSET TO CONNECTION PLATE
32	192	7/8	2 1/2	4	48	26	13	13					1 BTH GUSSET TO CONNECTION PLATE
33													
34													
LATERALS													
35	1104	7/8	2 1/2	6	184	23	10	13					2 LATERAL WT TO CONNECTION PLATE
WASHER CODES													
1: 1 Hard Flat Washer													
2: 2 Hard Flat Washers													

FIELD BOLT LIST		A325 Type 1 (GALV) BOLTS										WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D	BOLT DIA.	BOLT LEN.	BOLTS PER CONN.	# OF CONNS.	GRIP	THICKNESS OF PCS. CONNECTED						
ABUTMENT CROSSFRAMES													
36													
37	128	7/8	2 1/2	8	16	38	10	25					1 TOP STRUT WEB TO BRG STIFFENER
38	96	7/8	3	8	18	38	13	25					1 BTH GUSSET TO BRG STIFFENER
39													
40													
LATERALS (PRINTED AT ABUT 1 & 2)													
41	48	7/8	2 1/2	6	8	23	10	13					2 LATERAL WT TO CONNECTION PLATE
WASHER CODES													
1: 1 Hard Flat Washer													
2: 2 Hard Flat Washers													

FIELD BOLT SUMMARY		EXACT COUNT - NONE EXTRA				REMARKS
LINE	NO. OF BOLTS	BOLT DIA.	TYPE	BOLT LEN.	ACTUAL COUNT	
1	48	7/8	A325 Type 1	2 1/2	48	(GALVANIZED)
2	128	7/8		2 1/2	128	(GALVANIZED)
3	88	7/8	A325 Type 1	3	88	(GALVANIZED)
4	320		Hard Flat Washers for 7/8" BOLT			F438-1 (GALVANIZED)
5						
6						
7						
8	4560	7/8	A325 Type 3	2 1/2	4560	
9	1500	7/8		3 1/2	1500	
10	2120	7/8		3 1/2	2120	
11	1820	7/8		3 1/2	1820	
12	2616	7/8		6	2616	
13	36	7/8	A325 Type 3	6 1/2	36	
14	19856		Hard Flat Washers for 7/8" BOLT			F438-3
15						
16						
17						

VERMONT Agency of Transportation
 Approved
 Douglas E. Bonneau, P.E.
 Structures Project Manager

Rejected
 Revise & Resubmit
 12/10/12
 Date

X Reviewed
 Rejected

Furnish As Corrected
 Revise and Resubmit

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.

Date: October 24, 2012
 By: D. Kull

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 100 OVER LAHOILLE RIVER MORRISTOWN, VT LAHOILLE COUNTY STP F 029-1 (2) C/1		DRAWN: JTB	DATE: 08/21			
		CHKD: PCP	DATE: 09/17			
LOCATION: MORRISTOWN, VT		JOB NO.	DWG NO.			
PROJ NO. STP F 029-1(2)C/1		521	E2			
CUSTOMER: MINTERSET, INC.			REV.			

WORK THIS DRAWING WITH DRAWINGS E1 & E3