

FIELD BOLT LIST										A325 Type 3 BOLTS				WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D.	BOLT DIAM.	BOLT LEN.	BOLTS OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED									
1														FIELD SPL 1 & 2 - LN 1	
2	64	7/8	3 1/2	32	2	54	10	29	15					1 TOP FLANGE SPLICE	
3	176	7/8	2 1/2	88	2	29	8	13	8					1 WEB SPLICE	
4	80	7/8	4	40	2	68	10	45	13					1 BOTTOM FLANGE SPLICE	
5															
6														FIELD SPL 1 & 2 - LN 2 & 3	
7	128	7/8	3 1/4	32	4	50	10	25	15					1 TOP FLANGE SPLICE	
8	352	7/8	2 1/2	88	4	29	8	13	8					1 WEB SPLICE	
9	160	7/8	3 3/4	40	4	61	10	38	13					1 BOTTOM FLANGE SPLICE	
10															
11														FIELD SPL 1 & 2 - LN 4	
12	64	7/8	3 1/4	32	2	47	10	22	15					1 TOP FLANGE SPLICE	
13	176	7/8	2 1/2	88	2	29	8	13	8					1 WEB SPLICE	
14	80	7/8	3 1/4	40	2	48	10	25	13					1 BOTTOM FLANGE SPLICE	
15															
16														ABUTMENT 2 CROSSFRAMES	
17	36	7/8	2 3/4	6	6	35	13	22						1 TOP GUSSET TO BRG STIFF	
18	36	7/8	2 3/4	6	6	35	13	22						1 BTM GUSSET TO BRG STIFF	
19															
20														PIER CROSSFRAMES	
21	72	7/8	2 3/4	6	12	35	13	22						1 TOP GUSSET TO BRG STIFF	
22	72	7/8	2 3/4	6	12	35	13	22						1 BTM GUSSET TO BRG STIFF	
23															
24														INT. CROSSFRAMES	
25	384	7/8	2 1/2	4	96	26	13	13						1 TOP GUSSET TO STIFF	
26	576	7/8	2 1/2	6	96	26	13	13						1 BTM GUSSET TO STIFF	
27															
										WASHER CODES					
1: 1 Hard Flat Washer															

FIELD BOLT LIST										A325 Type 1 BOLTS				WASHER CODES	PIECES CONNECTED AND REMARKS
LINE	NO. REQ'D.	BOLT DIAM.	BOLT LEN.	BOLTS OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED									
28														ABUTMENT 1 CROSSFRAMES	
29	36	7/8	2 3/4	6	6	35	13	22						1 TOP GUSSET TO BRG STIFF	
30	36	7/8	2 3/4	6	6	35	13	22						1 BTM GUSSET TO BRG STIFF	
31															
										WASHER CODES					
1: 1 Hard Flat Washer															

FIELD BOLT SUMMARY						EXACT COUNT - NONE EXTRA		REMARKS
LINE	NO. OF BOLTS	BOLT DIAM.	TYPE	BOLT LEN.	ACTUAL COUNT			
1	72	7/8	A325 Type 1	2 3/4	72	(RCT)	GALVANIZED	
2								
3	72		Hard Flat Washers for 7/8" BOLT				GALVANIZED	
4								
5								
6	1664	7/8	A325 Type 3	2 1/2	1664	(RCT)		
7	216	7/8		2 3/4	216	(RCT)		
8	272	7/8		3 1/4	272	(RCT)		
9	64	7/8		3 1/2	64	(RCT)		
10	160	7/8		3 3/4	160	(RCT)		
11	80	7/8	A325 Type 3	4	80	(RCT)		
12								
13	2456		Hard Flat Washers for 7/8" BOLT					
14								
15								
16								

Type 3 weathering steel

NOTES:

- All bolt diameters and lengths are shown in inches (english unit of measurement).
- All grip values are shown in metric units.

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:
				AS NOTED		AS NOTED
DESCRIPTION: FIELD BOLTS						
CASCO BAY STEEL STRUCTURES, INC.						
1 WALLACE AVE. PHONE (207) 780-6722						
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726						
STRUCTURE: VT ROUTE 108, BRIDGE #21				DRAWN:	DATE:	
MAJOR COLLECTOR				CRK	10/10	
TOWN OF CAMBRIDGE				CHKD:	DATE:	
COUNTY OF LAMOILLE, VERMONT				PCP	10/16	
LOCATION: CAMBRIDGE, VERMONT				JOB NO.	DMG NO.	
PROJ NO. BRF 027-1(4)				524	E2	
CUSTOMER: A. L. ST. ONGE CONTRACTING					REV. Δ	

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APPROVED BY: [Signature]