

FIELD BOLT LIST			A325 Type 3 BOLTS											
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLTS # OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED					WASH CODE	PIECES CONNECTED AND REMARKS		
1													FIELD SPLICE 1	
2	160	7/8	32	32	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	TOP FLG SPLICE
3	660	7/8	3	132	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	WEB SPLICE
4	240	7/8	3/4	60	4	2/4	5/8	1	5/8				1	BTM FLG SPLICE U.N.
5	72	7/8	4 1/2	72	1	3/4	1/2	3/4					1	BTM FLG SPL LN 1
6														
7														FIELD SPLICE 2
8	160	7/8	32	32	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	TOP FLG SPLICE
9	660	7/8	3	132	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	WEB SPLICE
10	300	7/8	4	60	5	2/4	5/8	1/4	5/8				1	BTM FLG SPLICE

1: 1 Hard Flat Washer

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11														CF TYPE-C2 (UNPAINTED)
12	1168	7/8	2 1/2	8	146	1	1/2	1/2	1/2	1/2	1/2	1/2	1	TOP GUSS TO STIFFENER
13	1460	7/8	2 1/2	10	146	1	1/2	1/2	1/2	1/2	1/2	1/2	1	BTM GUSS TO STIFFENER
14														
15														CF TYPE-C3 (UNPAINTED) 17CF1 & 2
16	16	7/8	3 1/4	8	2	1/2	1/2	1/4					1	TOP GUSS TO STIFFENER
17	16	7/8	2 1/2	8	2	1/2	1/2	1/2					1	TOP GUSS TO STIFFENER
18	20	7/8	3 1/4	10	2	1/2	1/2	1/4					1	BTM GUSS TO STIFFENER
19	20	7/8	2 1/2	10	2	1/2	1/2	1/2					1	BTM GUSS TO STIFFENER
20														
21														LATERAL BRACING (UNPAINTED)
22	444	7/8	2 1/2	6	74	7/8	1/2	3/8					2	LATERAL TO GUSSET

1: 1 Hard Flat Washer  
2: 2 Hard Flat Washers

FIELD BOLT LIST			A325-1 GALV BOLTS											
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLTS # OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED					WASH CODE	PIECES CONNECTED AND REMARKS		
23														END CF @ ABUT1 (PAINTED)
24	48	7/8	3	12	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2	TOP GUSS TO STIFFENER
25	48	7/8	2 1/2	12	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2	TOP GUSS TO STIFFENER
26	40	7/8	3	10	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2	BTM GUSS TO STIFFENER
27	40	7/8	2 1/2	10	4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2	BTM GUSS TO STIFFENER
28														
29														END CF @ ABUT2 (PAINTED)
30	96	7/8	2 1/2	12	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2	TOP GUSS TO STIFFENER
31	80	7/8	2 1/2	10	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2	BTM GUSS TO STIFFENER
32														
33														CF TYPE-C2 (PAINTED) 16CF2 & 4
34	80	7/8	2 1/2	8	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	TOP GUSS TO STIFFENER
35	100	7/8	2 1/2	10	10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1	BTM GUSS TO STIFFENER
36														
37														LAT BRACING (PAINTED) 20LB12, 13, 15 & 17
38	24	7/8	2 1/2	6	4	7/8	1/2	3/8					2	LATERAL TO GUSSET

1: 1 Hard Flat Washer  
2: 2 Hard Flat Washers

FIELD BOLT SUMMARY			2x + 3 ADDED, MIN. 2 EXTRA			
LINE	NO. OF BOLTS	BOLT DIA.	TYPE	BOLT LEN.	ACTUAL COUNT	REMARKS
1	3173	7/8	A325 Type 3	2 1/2	3108	
2	1349	7/8		3	1320	
3	41	7/8		3 1/4	36	
4	329	7/8		3 1/2	320	
5	248	7/8		3 3/4	240	
6	309	7/8		4	300	
7	76	7/8	A325 Type 3	4 1/2	72	
8						
9	5978	Hard Flat Washers	for 7/8	4	BOLT	
10						
11						
12	480	7/8	A325-1 GALV	2 1/2	468	
13	93	7/8	A325-1 GALV	3	88	
14						
15	963	Hard Flat Washers	for 7/8	4	BOLT	
16						
17						
18						

OUT FOR APPROVAL	9-20-02														
ISSUED TO SHOP															
FIELD & OFFICE															
REV.	REMARKS	DATE	DNW	CHK	APP	Q.A.	NO.	DIA.	LGT	TYPE	WASHER				
MATERIAL:	M270-50W	ELECTRODES:		HOLES:		SHOP BOLTS:									
SURFACE PREP. & PAINT: -STEEL WITHIN 10'-0" ENDS OF GIRDERS SHALL BE PAINTED (SEE GNI) -ALL OTHER STEEL SHALL BE BLAST CLEANED AND LEFT UNPAINTED.															
DESCRIPTION:	FIELD BOLTS										DRAWN BY	DATE			
JOB:	VT RTE 9 OVER THE DEERFIELD RIVER										VHW	08/17			
	BRIDGE NO. 25A										CHKD BY				
	SEARSBURG, VERMONT										DO	08/29			
	CONTRACTOR: J.A. McDONALD										APPROV BY				
											SUPERVISOR	M. J. GALLI			
PROJ NO.	PROJ. NHF 010-1(18)										O.A.				
CUSTOMER:	VERMONT AGENCY OF TRANSPORTATION										JOB NO.	DRG. NO.			
	CASCO BAY STEEL STRUCTURES, INC.										166	E3			
	75 SPRING HILL ROAD SACO, MAINE 04072										REV.	1			
	PHONE (207) 282-7360 FAX. (207) 282-1179														

RECEIVED  
SEP 09 2002  
DATE 9-27-02

WORK WITH E1 & E2.