FIELD BOLT LIST							A325 Type 3 BOLTS								
LINE	NO REQ'D.	BOLT DIAM.	BOLT LEN.	BOLTS /CONN.	# OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED							WASH CODE	PIECES CONNECTED AND REMARKS
1															FIELD SPLICES
2	420	7/8	3 1/4	60	7	1 3/4	5/8	1/2	5/8					1	WEB CONN PLATE
3	280	7/8	3 1/2	40	7	2 1/8	1/2	1 1/8	1/2					1	TOP FLG CONN PLATE
4	280	7/8	3 1/2	40	7	2 1/8	1/2	1 1/8	1/2					1	BTM FLG CONN PLATE
5															
6															CROSSFRAME LN 1 - 2
7	104	7/8	2 1/2	4	26	1	1/2	1/2						1	TOP GUSS TO CONN PLATE
8	156	7/8	2 1/2	6	26	1	1/2	1/2						1	BTM GUSS TO CONN PLATE
9															
10															CROSSFRAME LN 1 - 2 @ P1
11	8	7/8	2 3/4	4	2	1 3/8	1/2	7/8						1	TOP GUSS TO CONN PLATE
12	12	7/8	2 3/4	6	2	1 3/8	1/2	7/8						1	BTM GUSS TO CONN PLATE
13															
14															CROSSFRAME LN 6 - 7
15	78	7/8	2 3/4	3	26	1 5/16	13/16	1/2						1	TOP STRUT TO CONN PLATE
16	52	7/8	2 1/2	4	13	1	1/2	1/2						1	BTM GUSS TO CONN PLATE
17															
18															CROSSFRAME LN 6 - 7 @ P1
19	6	7/8	3	3	2	1 11/16	13/16	7/8						1	TOP STRUT TO CONN PLATE
20	4	7/8	2 3/4	4	1	1 3/8	1/2	7/8						1	BTM GUSS TO CONN PLATE
21															
22															DIAPHRAGMS LN 4 - 5
23	112	7/8	2 1/2	7	16	15/16	7/16	1/2						2	DIAPH TO CONN PLATE
24															
25															DIAPHRAGMS LN 4 - 5 @ P1
26	14	7/8	2 3/4	7	2	1 5/16	7/16	7/8						2	DIAPH TO CONN PLATE
27															
28															DIAPHRAGMS
29	336	7/8	2 1/4	7	48	15/16	7/16	1/2						1	DIAPH TO CONN PLATE
30															
31															DIAPHRAGMS @ P1
32	42	7/8	3 3/4	7	6	1 5/16	7/16	7/8						1	DIAPH TO CONN PLATE
33															

WASHER CODES

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

FIELD BOLT SUMMARY			EXACT COUNT - NONE EXTRA			
LINE	NO. OF BOLTS	BOLT DIAM.	TYPE	BOLT LEN	ACTUAL COUNT	REMARKS
1	56	7/8	A325 Type 1	3	56	GALVANIZED
2	56	7/8	A325 Type 1	4	56	GALVANIZED
3						
4	224	Hard Flat Washers for 7/8 ø BOLT				GALVANIZED (F436)
5						
6						
7	336	7/8	A325 Type 3	2 1/4	336	
8	424	7/8		2 1/2	424	
9	158	7/8		2 3/4	158	
10	6	7/8		3	6	
11	420	7/8		3 1/4	420	
12	560	7/8	A325 Type 3	3 1/2	560	
13						
14	2030	Hard Flat Washers for 7/8 ø BOLT				
15						
16						
17						

FIELD BOLT LIST							A325 Type 1 BOLTS (GALV)								
LINE	NO REQ'D.	BOLT DIAM.	BOLT LEN.	BOLTS /CONN.	# OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED							WASH CODE	PIECES CONNECTED AND REMARKS
34															HANGER BEAM
35	56	7/8	3	4	14	1 9/16	7/16	1 1/8						2	BEAM TO GIRDER LN 1
36	56	7/8	4	4	14	2 1/2	7/16	1 1/8	15/16					2	BEAM TO GIRDER LN 2
37															

WASHER CODES

2: 2 Hard Flat Washers

WORK THIS DRAWING WITH DRAWING E1.

RECEIVED
CK'D BY DRP OK'D BY
JUN 26 2009
RESUBMIT APPROVED
BY DATE 7.17.09

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
0						

MATERIAL: | SURFACE PREP. & PAINT: | HOLES: | SHOP BOLTS:

DESCRIPTION: FIELD BOLTS

CASCO BAY STEEL STRUCTURES, INC.
75 SPRING HILL ROAD SACO, MAINE 04072
PHONE (207) 282-7360 FAX. (207) 282-1179

TENSOR 2875

STRUCTURE: VT 11 OVER BLACK RIVER BRIDGE NO. 64 SPRINGFIELD, VERMONT COUNTY OF WINDSOR	DRAWN: WJF	DATE: 06/16
	CHKD: DO	DATE: 06/24
LOCATION: TOWN OF SPRINGFIELD	JOB NO. 406-1	DWG NO. E2
PROJ NO. BHF 016-2(14)		REV. △
CUSTOMER: COLD RIVER BRIDGES, LLC		

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