



**FRAMING PLAN**

FIELD BOLT LIST										A325 Type 3 BOLTS			
LINE	NO. REQ'D.	BOLT DIAM.	BOLT LEN.	BOLTS / CONN.	# OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED			WASHER CODE	PIECES CONNECTED AND REMARKS		
1											<b>FIELD SPLICES 1 &amp; 2</b>		
2	576	7/8	31	48	12	2	1/2	1	1/2		1 TOP FLANGE SPLICE		
3	672	7/8	3	56	12	1 1/2	1/2	1/2	1/2		1 WEB SPLICE		
4	576	7/8	32	48	12	2	1/2	1	1/2		1 BOTTOM FLANGE SPLICE		
5													
6											<b>PIER BRG CROSSFRAMES</b>		
7	320	7/8	22	8	40	1	1/2	1/2			1 BENT GUSSETS TO CONNECTION PLATE		
8	8	7/8	22	2	4	1	1/2	1/2			1 BOTTOM STRUT TO BENT GUSSET (BAY 1)		
9													
10											<b>INT CROSSFRAMES</b>		
11	2432	7/8	22	8	304	1	1/2	1/2			1 GUSSETS TO CONNECTION PLATE		
12	64	7/8	22	2	32	1	1/2	1/2			1 BOTTOM STRUT TO GUSSET (BAY 1)		
13													
14											<b>UTILITY SUPPORTS</b>		
15	256	7/8	22	8	32	1	1/2	1/2			1 GUSSETS TO CONNECTION PLATE		

WASHER CODES

1: 1 Hard Flat Washer

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			WASHER CODE	PIECES CONNECTED AND REMARKS		
1											<b>ABUT BRG CROSSFRAMES</b>		
2	320	7/8	22	8	40	1	1/2	1/2			1 BENT GUSSETS TO CONNECTION PLATE		
3	8	7/8	22	2	4	1	1/2	1/2			1 BOTTOM STRUT TO BENT GUSSET (BAY 1)		
4													
5											<b>INT CROSSFRAMES</b>		
6	192	7/8	22	8	24	1	1/2	1/2			1 GUSSETS TO CONNECTION PLATE		
7	8	7/8	22	2	4	1	1/2	1/2			1 BOTTOM STRUT TO GUSSET (BAY 1)		
8													
9											<b>UTILITY SUPPORTS</b>		
10	16	7/8	22	8	2	1	1/2	1/2			1 GUSSETS TO CONNECTION PLATE		

WASHER CODES

1: 1 Hard Flat Washer

FIELD BOLT SUMMARY						2% ADDED, MIN. 2 EXTRA	
LINE	NO. OF BOLTS	BOLT DIAM.	TYPE	BOLT LEN.	ACTUAL COUNT	REMARKS	
1	3142	7/8	A325 Type 3	22	3080		
2	685	7/8		3	672		
3	1175	7/8	A325 Type 3	32	1152		
4	5002	Hard Flat Washers for 7/8" BOLT				TYPE 436W	
5							
6							
7	555	7/8	A325 Type 1	22	544	(GALV) BOLTS FOR PAINTED MEMBERS	
8	555	Hard Flat Washers for 7/8" BOLT				(GALV) TYPE 436	
9							
10							

**SPAN 2** MATCH LINE CONT ON DWG E2

OUT FOR APPROVAL	7/17/06								
ISSUED TO SHOP									
FIELD & OFFICE									
REV. REMARKS	DATE	DWN	CHK	APP	Q.A.	NO.	DIR.	LGT	TYPE
MATERIAL:	ELECTRODES:	HOLES:	SHOP BOLTS:						

DESCRIPTION: FRAMING PLAN & FIELD BOLTS				DRAWN BY	DATE
JOB: RTE 9 OVER ROARING BRANCH OF WALLOOMSAC RIVER				JTB	02/26
BRIDGE No. BR 11				CHKD BY	
WOODFORD, VT. BENNINGTON COUNTY				PCP	03/06
				APPROV BY	
				SUPERVISOR	M. J. GATTI
PROJ NO. BHF 010-1(29)				Q.A.	
CUSTOMER: RENAUD BROTHERS, INC.					
<b>CASCO BAY STEEL STRUCTURES, INC.</b>				JOB NO.	DRG. NO.
75 SPRING HILL ROAD SACO, MAINE 04072				290	E1
PHONE (207) 282-7360 FAX. (207) 282-1179				REV.	

RECEIVED  
 OK'D BY: M&M  
 JUL 26 2006  
 RESUBMIT APPROVED  
 BY: DATE 7/28/06

WORK THIS DRAWING WITH DRAWING E2

PCP The July 13, 2006 ECF 2006