

**T-Y-LIN INTERNATIONAL**

X No Description Taken  
 - Make Correction as Noted  
 - Omit Specified Item  
 - Revise and Resubmit as Noted  
 - Rejected

Checking is for general compliance with the design concept of the project and general compliance with the information given in the contract documents only. Any action shown is not an approval and is subject to the requirements of the plans and specifications. Any action shown on a specific item shall not indicate the checking of an assembly of which the item is a component. Contractor is solely responsible for: dimensions which shall be confirmed and corrected at the job site, fabrication processes, techniques of construction, safety procedures and coordination of its work with that of all other trades and the satisfactory performance of its work.

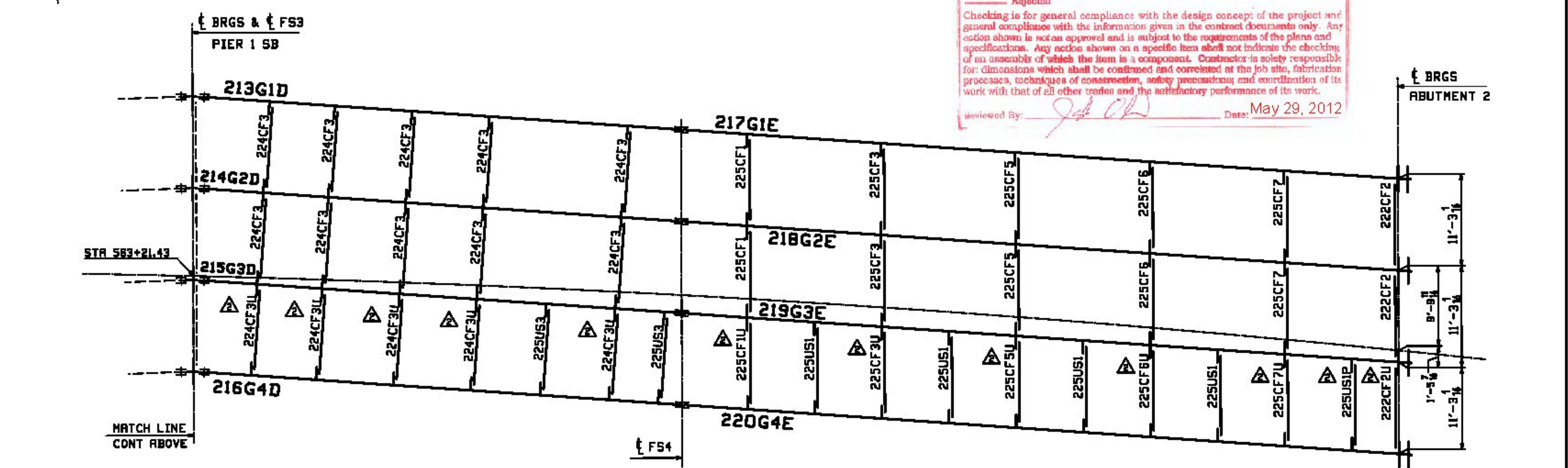
Reviewed By: *[Signature]* Date: May 29, 2012

FIELD BOLT LIST										A325 Type 3 BOLTS									
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLT PATTERN	# OF CONNL.	GRIP	THICKNESS OF PCS. CONNECTED	WASHER CODES	PIECES CONNECTED AND REMARKS	LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLT PATTERN	# OF CONNL.	GRIP	THICKNESS OF PCS. CONNECTED	WASHER CODES	PIECES CONNECTED AND REMARKS
<b>TOP FLANGE SPLICES</b>																			
1									L2	FIELD SPlice 1 / LINE 1									
2	72	1	6 1/2	72	1	4 1/2	1 2 1 1/2		L2	FIELD SPlice 1 / LINES 2-4									
3	192	1	6 1/2	84	3	4 1/2	1 2 1 1/2		L2	FIELD SPlice 2 / LINE 1									
4	48	1	5 1/2	48	1	3 1/2	1 1 1 1/2		L1	FIELD SPlice 2 / LINES 2-4									
5	144	1	5 1/2	48	3	3 1/2	1 1 1 1/2		L1	FIELD SPlice 4 / LINE 1									
6	58	1	4 1/2	58	1	2 1/2	1 1 1 1/2		L1	FIELD SPlice 4 / LINES 2-4									
7	144	1	4 1/2	48	3	2 1/2	1 1 1 1/2		L1	FIELD SPlice 3 AT PIER									
<b>WEB SPLICES</b>																			
9	2088	1	3 1/2	174	12	1 1/2	1 5 1		L1	FIELD SPlice 1, 2 & 4									
<b>BOTTOM FLANGE SPLICES</b>																			
11	112	1	7	112	1	5	1 1/2 2 1 1/2		L2	FIELD SPlice 1 / LINE 1									
12	288	1	7	88	3	5	1 1/2 2 1 1/2		L2	FIELD SPlice 1 / LINES 2-4									
13	64	1	6	64	1	4	1 1 1 1/2		L2	FIELD SPlice 2 / LINE 1									
14	180	1	6	58	3	4	1 1 1 1/2		L2	FIELD SPlice 2 / LINES 2-4									
15	48	1	4 1/2	48	1	2 1/2	1 1 1 1/2		L1	FIELD SPlice 4 / LINE 1									
16	120	1	4 1/2	40	3	2 1/2	1 1 1 1/2		L1	FIELD SPlice 4 / LINES 2-4									
<b>FIELD SPlice 3 AT PIER</b>																			
17																			
18	192	1	6 1/2	48	4	4 1/2	1 2 1 1/2		L2	TOP FLANGE SPlice									
19	120	1	8	32	4	8	1 2 1 1/2 1 1/2		L2	TOP FLANGE SPlice W/INSERT									
20	1200	1	4	150	8	2 1/2	3 3 3 3		L1	WEB SPlice									
21	384	1	5 1/2	86	4	4 1/2	1 2 1 1/2		L2	BTM FLANGE SPlice									
<b>PIER CROSSFRAMES</b>																			
22	72	1	3 1/2	12	6	1 1/2	1 2 1		L1	TOP GUSSET PLATE TO BRG STIFFENER									
23	72	1	3	12	6	1 1/2	1 2 1		L1	TOP STRUTS TO TOP GUSSET PLATE									
24	72	1	3 1/2	12	6	1 1/2	1 2 1		L1	BTM GUSSET PLATE TO BRG STIFFENER									
25	72	1	3 1/2	12	6	1 1/2	1 2 1		L1	BTM STRUTS TO CONNECTION PLATE									
<b>INT CROSSFRAMES</b>																			
26	1248	7	2 1/2	4	312	1 1/2	3 1 2		L1	TOP & BTM STRUTS TO CONNECTION PLATE									
<b>UTILITY SUPPORT (TYP UN)</b>																			
27																			
28																			
29	180	7	2 1/2	4	40	1 1/2	3 1 2		L1	BTM STRUTS TO CONNECTION PLATE									

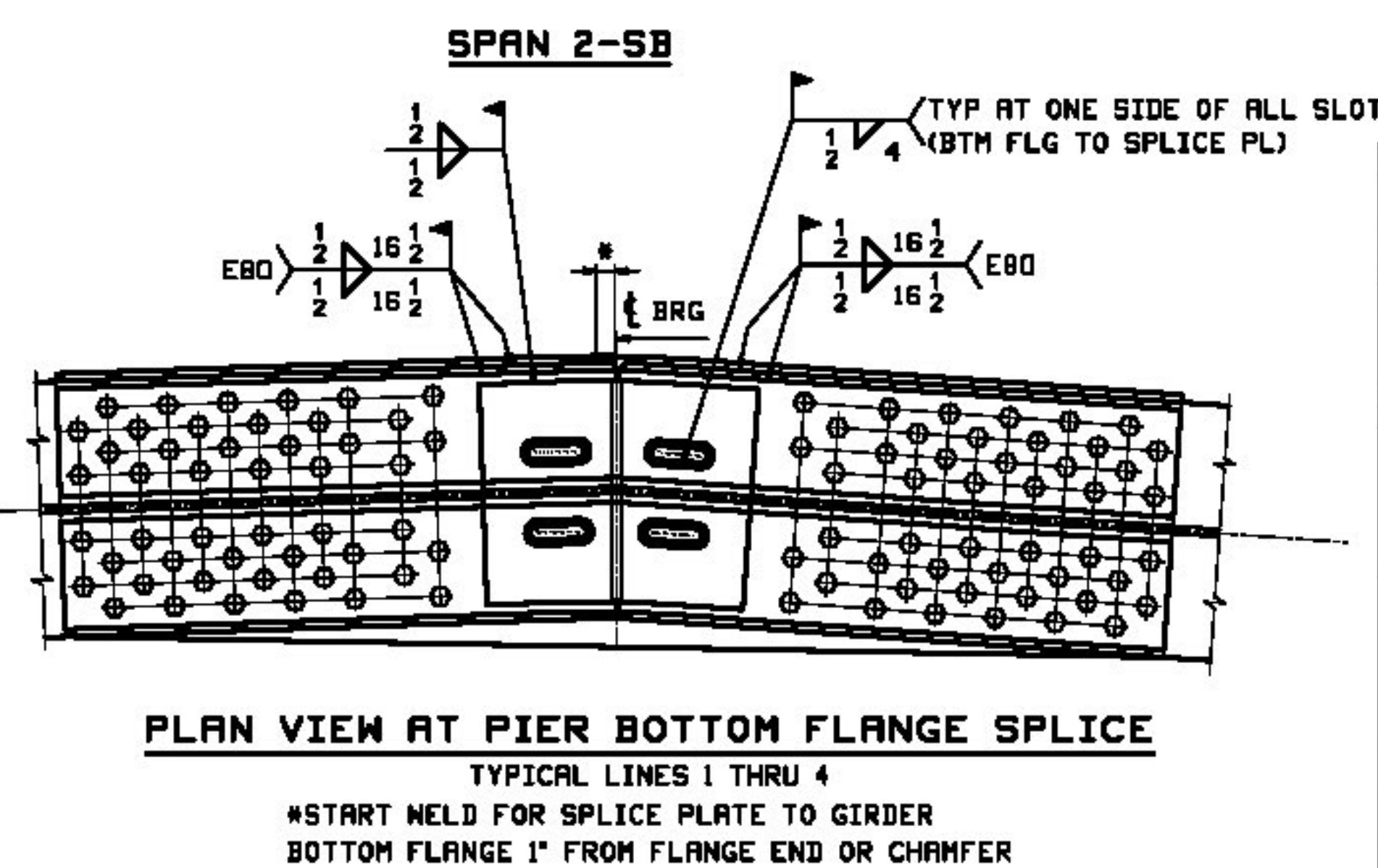
WASHER CODES  
 L1: 1 Flat, 1 Load Ind. L2: 2 Flat, 1 Load Ind.  
 L1H @ head, hard wa. @ nut

FIELD BOLT LIST										A325 Type 1 BOLTS (GALV)									
LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLT PATTERN	# OF CONNL.	GRIP	THICKNESS OF PCS. CONNECTED	WASHER CODES	PIECES CONNECTED AND REMARKS	LINE	NO. REQ'D.	BOLT DIA.	BOLT LEN.	BOLT PATTERN	# OF CONNL.	GRIP	THICKNESS OF PCS. CONNECTED	WASHER CODES	PIECES CONNECTED AND REMARKS
<b>ABUT CROSSFRAMES</b>																			
30									L1	TOP STRUT TO BRG STIFFENER									
31	48	7	3	4	12	1 1/2	3 1 1		L1	BTM GUSSET PLATE TO BRG STIFFENER									
32	48	7	3	4	12	1 1/2	3 1 1		L1	UTILITY SUPPORT - 225USIP									
33																			
34	18	7	2 1/2	4	4	1 1/2	3 1 2		L1	BTM STRUTS TO CONNECTION PLATE									
35																			

WASHER CODES  
 L1: 1 Flat, 1 Load Ind. L2: 2 Flat, 1 Load Ind.  
 L1H @ head, hard wa. @ nut



FIELD BOLT SUMMARY						EXACT COUNT - NONE EXTRA	
LINE	NO. OF BOLTS	BOLT DIA.	TYPE	BOLT LEN.	ACTUAL COUNT	REMARKS	
1	16	7/8	A325 Type 1	2 1/2	16	(GALVANIZED)	
2	86	7/8	A325 Type 1	3	86	(GALVANIZED)	
3	112		Hard Flat Washers for 7/8" BOLT			F436-1 (GALVANIZED)	
4	112		Load Ind. Washers for 7/8" BOLT			F858-1 (GALVANIZED)	
5							
6	1408	7/8	A325 Type 3	2 1/2	1408		
7	1408		Hard Flat Washers for 7/8" BOLT			F436-3	
8	1408		Load Ind. Washers for 7/8" BOLT			F858-3	
9							
10	72	1	A325 Type 3	3	72		
11	2292	1		3 1/2	2292		
12	1200	1		4	1200		
13	368	1		4 1/2	368		
14	192	1		5 1/2	192		
15	292	1		6	292		
16	840	1		6 1/2	840		
17	400	1		7	400		
18	128	1	A325 Type 3	8	128		
19	7264		Hard Flat Washers for 1" BOLT			F436-3	
20	5884		Load Ind. Washers for 1" BOLT			F858-3	



REV.	DATE	REMARKS	DMN	CHK	APVL	SHOP
1	5/10/12	REVISE MARKS & FIELD BOLT QUANTITIES (EXTRA - TEC-308400)	JTB	TJB		
2	5/12/12	MISC CORRECTIONS TO FIELD BOLT LIST AND SUMMARY	JTB	TJB		

MATERIAL: SURFACE PREP. & PAINT: HOLES: SHOP BOLTS:  
 DESCRIPTION: FRAMING PLAN  
**CASCO BAY STEEL STRUCTURES, INC.**  
 1 WALLACE AVE. PHONE (207) 780-6722  
 SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726  
 STRUCTURE: I-91 BRIDGE 6S OVER WHITESTONE BROOK & WILLIAMS STREET COUNTY OF MINDHAM  
 LOCATION: Town of Brattleboro, VT. JOB NO. DWG NO.  
 PROJ NO. IM 091-1(SD) 479 E201  
 CUSTOMER: BECK & BELLUCCI REV.