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														
2														**FIELD SPLICE 1, 2 & 3**
3	600	$\frac{7}{8}$	4	40	15	$2\frac{1}{2}$	$\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{2}$				1	TOP FLG SPLICE
4	810	$\frac{7}{8}$	3	54	15	$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$				1	WEB SPLICE
5	600	$\frac{7}{8}$	$4\frac{1}{4}$	40	15	$2\frac{3}{4}$	$\frac{5}{8}$	$1\frac{1}{2}$	$\frac{5}{8}$				1	BTM FLG SPLICE
6														
7														**INT. DIAPHRAGMS**
8	1792	$\frac{7}{8}$	$2\frac{1}{4}$	14	128	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{2}$					1	W DIAPH TO STIFF
9														
10														**PIER DIAPHRAGMS**
11	336	$\frac{7}{8}$	$2\frac{1}{2}$	14	24	1	$\frac{1}{2}$	$\frac{1}{2}$					1	BENT PL TO CONN STIFF
12														

WASHER CODES

1: 1 Hard Flat Washer

FIELD BOLT LIST

A325 Type 1 BOLTS — MECH. GALV.

LINE	NO REQ'D.	BOLT DIAM.	BOLT LEN.	BOLTS /CONN.	# OF CONN.	GRIP	THICKNESS OF PCS. CONNECTED						WASH CODE	PIECES CONNECTED AND REMARKS
13														
14														**END DIAPH @ ABUT 1 (EAST OR**
15														**X END) & ABUT 2**
16	168	$\frac{7}{8}$	$2\frac{1}{2}$	14	12	1	$\frac{1}{2}$	$\frac{1}{2}$					1	BENT PL TO CONN STIFF
17														
18														**END DIAPH @ ABUT 1 (WEST)**
19	56	$\frac{7}{8}$	$2\frac{3}{4}$	14	4	$1\frac{3}{8}$	$\frac{1}{2}$	$\frac{7}{8}$					1	BENT PL TO BRG STIFF
20														

WASHER CODES

1: 1 Hard Flat Washer

FIELD BOLT SUMMARY

2% + 2 ADDED, MIN. 2 EXTRA

LINE	NO. OF BOLTS	BOLT DIAM.	TYPE	BOLT LEN	ACTUAL COUNT	REMARKS
1	173	$\frac{7}{8}$	A325 Type 1	$2\frac{1}{2}$	168	MECH GALVANIZED
2	59	$\frac{7}{8}$	A325 Type 1	$2\frac{3}{4}$	56	MECH GALVANIZED
3						
4	232	Hard Flat Washers for $\frac{7}{8}$ Ø BOLT				MECH GALVANIZED (F436)
5						
6						
7	1830	$\frac{7}{8}$	A325 Type 3	$2\frac{1}{4}$	1792	
8	345	$\frac{7}{8}$	↑	$2\frac{1}{2}$	336	
9	828	$\frac{7}{8}$	│	3	810	
10	614	$\frac{7}{8}$	↓	4	600	
11	614	$\frac{7}{8}$	A325 Type 3	$4\frac{1}{4}$	600	
12						
13	4231	Hard Flat Washers for $\frac{7}{8}$ Ø BOLT				(F436-3)
14						
15						
16						

SHOP DRAWINGS ARE REVIEWED UNLESS NOTED OTHERWISE
NO EXCEPTION TAKEN X
REVISE AS NOTED RESUBMISSION NOT REQUIRED
REVISE AS NOTED RESUBMISSION REQUIRED
REJECTED
Stantec
DATE 2/9/10
SIGNATURE
REVIEW BY STANTEC IS FOR THE SOLE PURPOSE OF ASCERTAINING GENERAL CONFORMITY WITH DESIGN. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS, FABRICATION AND CONSTRUCTION METHODS, COORDINATION OF SUB-TRADES, DETAIL DESIGN OF COMPONENTS, AND ERRORS OR OMISSIONS ON SHOP DRAWINGS

WORK THIS SHEET WITH E1

BOLTS & NUTS SHALL BE ROTATIONAL CAPACITY TESTED.
DO NOT MIX NUTS & BOLTS FROM DIFFERENT CONTAINERS
UNLESS ALL BOLTS & NUTS HAVE THE SAME LOT NUMBER.

REV.	DATE	REMARKS	DWN	CHK	APVL
0					JAN 29 2010

MATERIAL:	SURFACE PREP. & PAINT:	HOLES: AS NOTED	SHOP A

DESCRIPTION: FIELD BOLTS

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

STRUCTURE:	U.S. 5 over I-91 Bridge No. 19A Putney County of Windham	DRAWN: TS CHKD: DO
LOCATION:	Putney	JOB NO.
PROJ NO.	IM 091-1(31)	438
CUSTOMER:	VT AOT	