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
1														CONNECTIONS AT JOINT U10:
2														TOP CHORDS 10U10U12N &
3	108	7/8	4 1/4	27	4	2 13/16	1 9/16	1 1/4					L1	10U10U12S TO GUSSET PLATE
4														DIAGONALS 30L9U10N &
5	92	7/8	4 1/4	23	4	2 13/16	1 9/16	1 1/4					L1	14L9U10S TO GUSSET PLATE
6														DIAGONALS 15L11U10N &
7	72	7/8	3 1/2	18	4	1 15/16	5/8	1/16	1 1/4				L1	15L11U10S TO GUSS. PL & FILL
8														VERTICALS 12V10N & 12V10S
9	104	7/8	3 1/2	26	4	1 15/16	1/2	3/16	1 1/4				L1	TO GUSSET PLATE & FILL
10														
11														CONNECTIONS AT JOINT U12:
12														TOP CHORDS 10U10U12N &
13	112	7/8	5	28	4	3 9/16	1 9/16	1/2	3/4	3/4			L1	10U10U12S TO G.PL & CHORD PL
14														TOP CHORDS 10U12U14N &
15	160	7/8	5	40	4	3 9/16	2 1/16	3/4	3/4				L1	10U12U14S TO G.PL & CHORD PL
16														DIAGONALS 15L11U12N &
17	72	7/8	3 1/2	18	4	1 15/16	5/8	9/16	3/4				L1	15L11U12S TO GUSS. PL & FILL
18														DIAGONALS 15L13U12N &
19	72	7/8	3 1/2	18	4	1 15/16	5/8	9/16	3/4				L1	15L13U12S TO GUSS. PL & FILL
20														VERTICALS 13V12N & 13V12S
21	80	7/8	3 1/2	20	4	1 15/16	1/2	11/16	3/4				L1	TO GUSSET PLATE & FILL
22														
23														CONNECTIONS AT JOINT U14:
24														TOP CHORDS 10U12U14N &
25	160	7/8	5 1/2	40	4	3 13/16	2 1/16	3/4	1				L1	10U12U14S TO G.PL & CHORD PL
26														TOP CHORDS 11U14U16N &
27	160	7/8	5 1/2	40	4	3 13/16	2 1/16	3/4	1				L1	11U14U16S TO G.PL & CHORD PL
28														DIAGONALS 15L13U14N &
29	72	7/8	3 1/2	18	4	1 15/16	5/8	9/16	3/4				L1	15L13U14S TO GUSS. PL & FILL
30														DIAGONALS 15L15U14N &
31	72	7/8	3 1/2	18	4	1 15/16	5/8	9/16	3/4				L1	15L15U14S TO GUSS. PL & FILL
32														VERTICALS 13V14N & 13V14S
33	80	7/8	3 1/2	20	4	1 15/16	1/2	11/16	3/4				L1	TO GUSSET PLATE & FILL
34														
35														CONNECTIONS AT JOINT U16:
36														TOP CHORDS 11U14U16N &
37	160	7/8	5	40	4	3 9/16	2 1/16	3/4	3/4				L1	11U14U16S TO G.PL & CHORD PL
38														TOP CHORDS 10U18U16N &
39	112	7/8	5	28	4	3 9/16	1 9/16	1/2	3/4	3/4			L1	10U18U16S TO G.PL & CHORD PL
40														DIAGONALS 15L15U16N &
41	72	7/8	3 1/2	18	4	1 15/16	5/8	9/16	3/4				L1	15L15U16S TO GUSS. PL & FILL
42														DIAGONALS 15L17U16N &
43	72	7/8	3 1/2	18	4	1 15/16	5/8	9/16	3/4				L1	15L17U16S TO GUSS. PL & FILL
44														VERTICALS 13V16N & 13V16S
45	80	7/8	3 1/2	20	4	1 15/16	1/2	11/16	3/4				L1	TO GUSSET PLATE & FILL
46														
47														CONNECTIONS AT JOINT U18:
48														TOP CHORDS 10U18U16N &
49	108	7/8	4 1/4	27	4	2 13/16	1 9/16	1 1/4					L1	10U18U16S TO GUSSET PLATE
50														DIAGONALS 30L19U18N &
51	92	7/8	4 1/4	23	4	2 13/16	1 9/16	1 1/4					L1	14L19U18S TO GUSSET PLATE
52														DIAGONALS 15L17U18N &
53	72	7/8	3 1/2	18	4	1 15/16	5/8	1/16	1 1/4				L1	15L17U18S TO GUSS. PL & FILL
54														VERTICALS 12V18N & 28V18S
55	104	7/8	3 1/2	26	4	1 15/16	1/2	3/16	1 1/4				L1	TO GUSSET PLATE & FILL
56														

WASHER CODES

L1: 1 Flat, 1 Load Ind.
LIW @ head,hard wa. @ nut

FIELD BOLT SUMMARY		2X + 2 ADDED, MIN. 2 EXTRA			
LINE	NO. OF BOLTS	BOLT DIAM.	TYPE	BOLT LEN	ACTUAL COUNT	REMARKS
1	18	7/8	A325 Type 1	2 1/2	16	(MECH. GALV.)
2	67	7/8	↑	2 3/4	64	(MECH. GALV.)
3	1275	7/8		3	1248	(MECH. GALV.)
4	402	7/8		3 1/4	392	(MECH. GALV.)
5	2058	7/8		3 1/2	2016	(MECH. GALV.)
6	651	7/8		3 3/4	636	(MECH. GALV.)
7	871	7/8		4	852	(MECH. GALV.)
8	1202	7/8		4 1/4	1176	(MECH. GALV.)
9	508	7/8		4 1/2	496	(MECH. GALV.)
10	59	7/8		4 3/4	56	(MECH. GALV.)
11	590	7/8	↓	5	576	(MECH. GALV.)
12	328	7/8	A325 Type 1	5 1/2	320	(MECH. GALV.)
13						
14	8029	Hard Flat Washers for 7/8 Ø BOLT				(ACTUAL 7848) (MECH. GALV.)
15	8029	Load Ind. Washers for 7/8 Ø BOLT				(ACTUAL 7848) (MECH. GALV.)
16						
17						
18						

Vermont Agency of Transportation
RECEIVED
ON: March 21, 2016
and Checked for
CONFORMANCE
BY: ABC DATE:

[X] NO EXCEPTION TAKEN [ ] MAKE CORRECTIONS NOTED
[ ] REJECTED [ ] REVISE AND RESUBMIT
[ ] SUBMIT SPECIFIED ITEM

CHECKING IS ONLY FOR THE GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF THE WORK.

CHA

DATE 1/29/2016 BY J. Najdowski

ERECTOR NOTE:

BOLT ORIENTATION SHALL BE SUCH THAT THE BOLT HEAD SHALL BE ON THE OUTSIDE OR EXPOSED SIDE OF THE STEEL MEMBER WHENEVER POSSIBLE.

ERECTOR NOTE:

ALL BOLTS MUST BE LOCATED IN ACCORDANCE WITH THE FIELD BOLT LIST. CASCO BAY STEEL STRUCTURES, INC. WILL NOT BE RESPONSIBLE FOR FURNISHING ADDITIONAL BOLTS OR ANY OTHER RELATED COSTS OR DAMAGES RESULTING FROM IMPROPER LOCATION OF BOLTS.

NOTE:

FOR GENERAL NOTES SEE DRAWING GN1.

WORK THIS DWG. WITH DWG. E1, E2, E3, E4 & E5

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
0		~				

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

DESCRIPTION: FIELD BOLTS

CASCO BAY STEEL STRUCTURES, INC.
1 WALLACE AVE. PHONE (207) 780-6722
SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726
TENSOR 3285

STRUCTURE:	TH-10 OVER OTTER CREEK PONY TRUSS BRIDGE	DRAWN: RB	DATE: 1/5/16
		CHKD: WJL	DATE: 1/20/16
LOCATION:	RUTLAND CITY, VERMONT	JOB NO.	DWG NO.
PROJ NO.	BRF 3000 (19)	598	E6
CUSTOMER:	KUBRICKY CONSTRUCTION CORP.		REV. △

WJL Thu, Jan 21, 2016 03:48:14 PM /users/jobs/3285/E6 : Rev0