

ASTM A325 TYPE 1 FIELD BOLT LIST ~ 7/8" BOLTS					
REV. LINE	QUANTITY	DIA.	LENGTH	REMARKS	WEIGHT
1					
2	18	7/8	2 1/4"	C/W NUT & 2 WA	
3	48	7/8	2 1/2"	C/W NUT & 2 WA	
4	148	7/8	2 3/4"	C/W NUT & 2 WA	
5	66	7/8	3"	C/W NUT & 2 WA	
6					
7					
8					
9					
10					

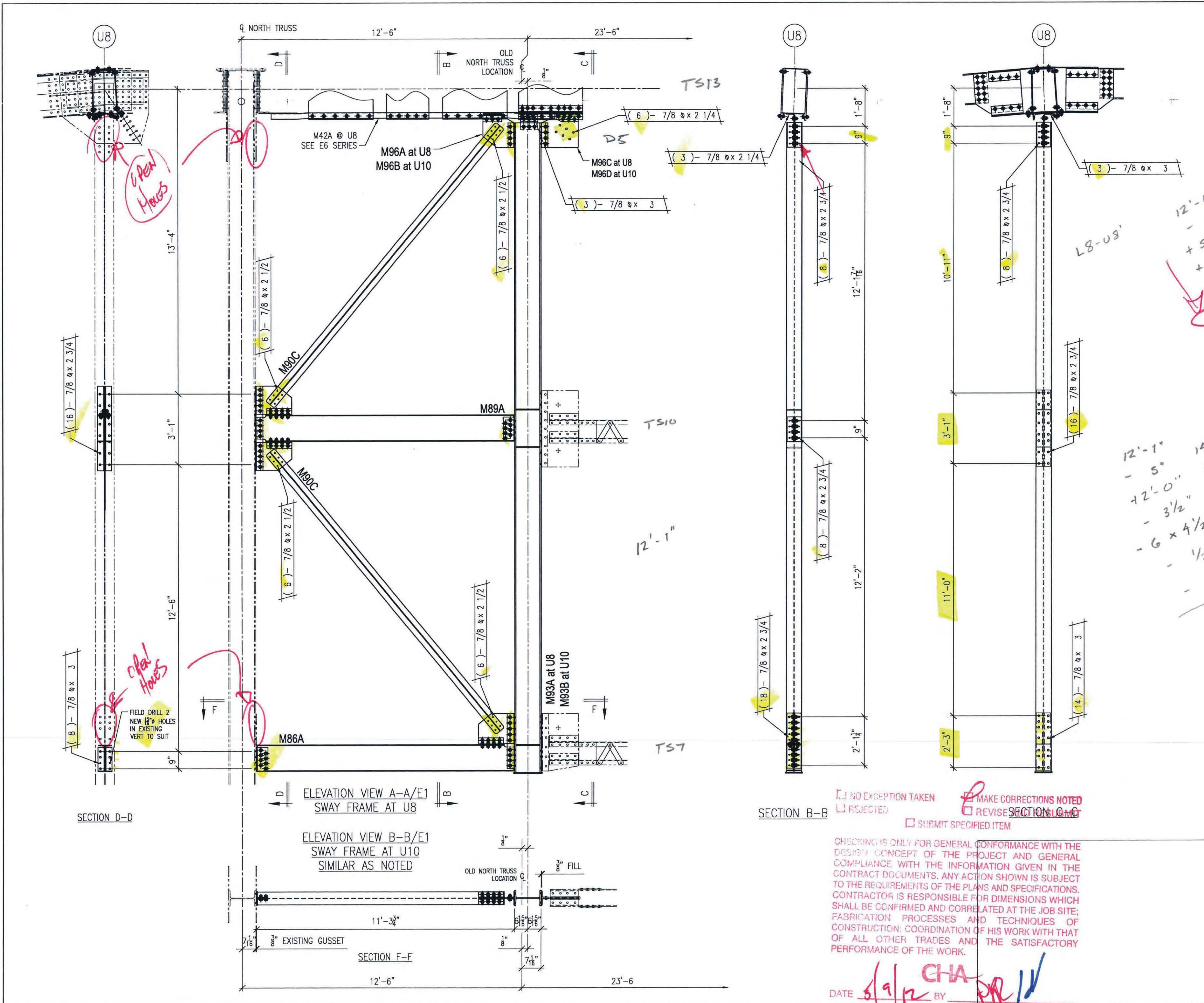
ALL QUANTITIES ARE EXACT - ADD 5% AND 10 TO EACH LENGTH

NOTES:

- FOR GENERAL NOTES SEE DRAWING GN1.
- INSTALL WASHER UNDER HEAD OF BOLT AS WELL AS NUT.
- ALL HOLES MARKED "X" OR "X" ARE TO BE FIELD DRILLED HOLES.

- LEGEND:**
- ⊕ = CENTERLINE
 - CTR'D = CENTERED
 - C/C = CENTER TO CENTER
 - FLG = FLANGE
 - TOP = TOP
 - BTM = BOTTOM
 - RDFH = RUNNING DIMENSIONS FROM HERE
 - ⊕ = FIELD BOLTS (QUANTITY) DIAMETER x LENGTH
 - ⊕ = ALTERNATE HOLE DIAMETER
 - TYP = TYPICAL
 - N/S = NEAR SIDE
 - F/S = FAR SIDE
 - B/S = BOTH SIDES
 - BTS = BOLT TO SHIP
 - SHIP'G BOLT = SHIPPING BOLT
 - ⊕ = SHIPPING BOLT
 - D.O.R. = DIRECTION OF ROLL
 - T2 = CHARPY V-NOTCH TESTING REQUIRED
 - F2 = FRACTURE CRITICAL MATERIAL
 - X = FIELD DRILLED HOLE
 - X = FIELD DRILLED HOLE

ALL DIMENSIONS HAVE BEEN FIELD VERIFIED
 BY: _____ DATE: _____



12'-1" 145"
 - 6" 139"
 + 5 1/8" 144 1/8
 + 1 1/2" 145.625"
 - 5 9/8" 140
 - 9" 131

12'-1" 140
 - 5" 164
 + 12'-0" 100.5
 - 3 1/2" 133.5
 - 6 x 4 1/2" = 133
 - 1/2" 132
 11'-0"

NO EXCEPTION TAKEN
 REJECTED
 MAKE CORRECTIONS NOTED
 REVISE SECTION
 SUBMIT SPECIFIED ITEM

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGNER'S 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.

DATE 5/9/12 BY CHA PR/11

A	04/25/12	RC	FOR APPROVAL
NO.	DATE	BY	REVISION
STS STEEL, INC. ENGINEERS * FABRICATORS * ERECTORS PH: (518) 370-2693 FAX: (518) 370-2696			
DRAWING TITLE			
UPPER STEEL (SWAY FRAME AT U8 & U10)			
PROJECT No. US RT 2 BRIDGE No 24 FEDERAL AID No.			
ENGINEER: CHA			
CUSTOMER: Harrison & Burrowes Bridge Constructors, Inc.			
PROJECT: RICHMOND, VT - TRUSS BRIDGE REHAB			
RICHMOND, VT			
HOLES:	15/16" U.N.O.	PAINT:	PER SPEC DATE: 03/01/12
BOLTS:	A325 U.N.O.	DR.BY:	SG JOB NO. 1156
WELDS:	AWS D1.5	CHK.BY:	STAFF DWG NO. E10