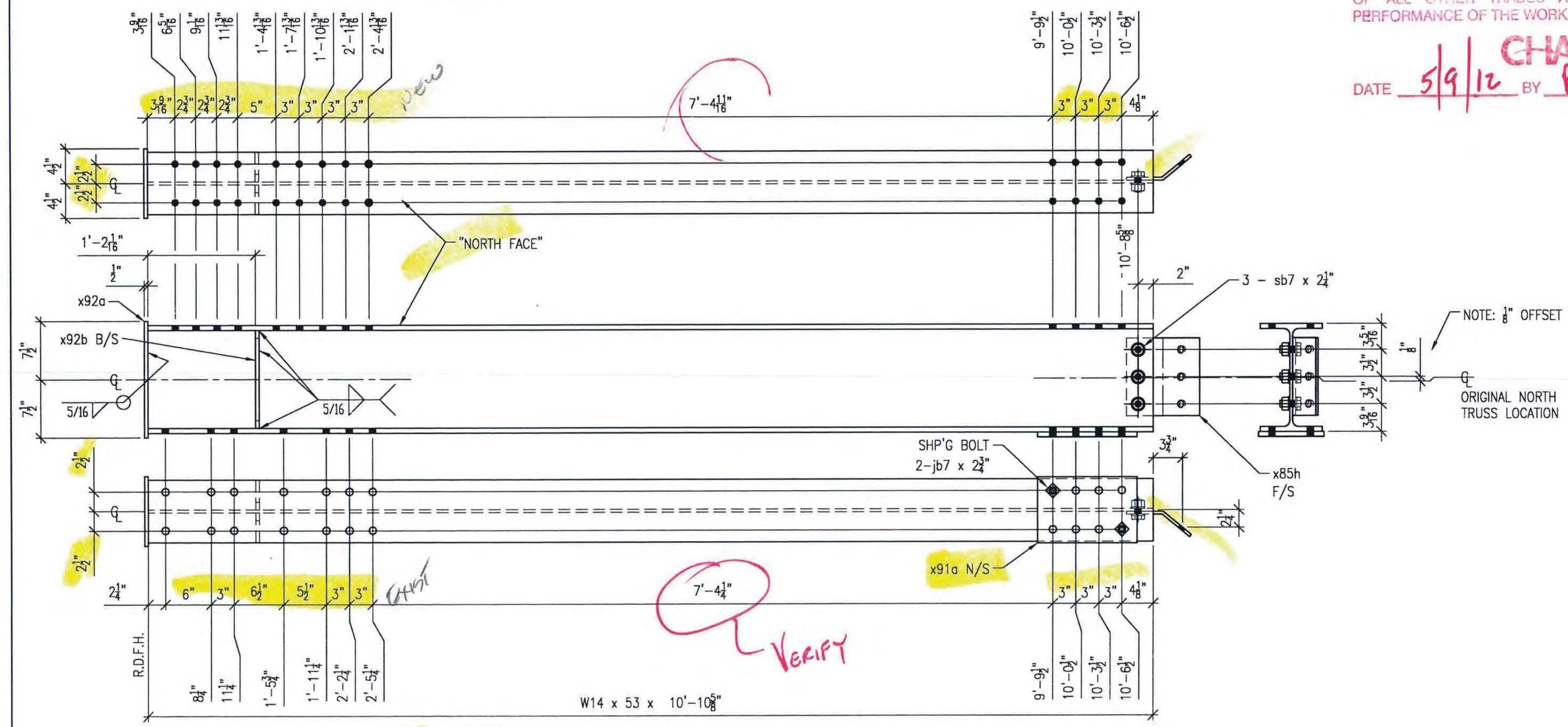


ONE REQ'D ~ Mk. M81A

LIFTING WEIGHT
?
lbs



ONE REQ'D ~ Mk. M81B

LIFTING WEIGHT
?
lbs

BILL OF MATERIALS												
LINE	SEQ	SHIPPING PICS	ASS'Y PICS	MARK	SHAPE	DESCRIPTION	LENGTH		REMARKS	MATERIAL ASTM A709-50 T2 U.N.O.		
							ft	in		MATL GRADE	MATL REMARK	WEIGHT
1	ONE			M81A	W	14 x 53	10	10 5/8				
2												
3	ONE			x85h	PL	3/8 x 9 1/2		10	BENT			
4												
5	ONE			x91a	PL	5/8 x 8 1/2	1	1				
6												
7	ONE			x92a	PL	1/2 x 9	1	3				
8	2			x92b	PL	1/2 x 3 1/2	1	0 5/8				
9												
10	3			sb7-225	BOLT	7/8 #	2 1/4		1nd/2nd	A325		
11												
12	2			jb7-275	BOLT	7/8 #	2 3/4			A307		
13												
14												
15	ONE			M81B	W	14 x 53	10	10 5/8				
16												
17	ONE			x85h	PL	3/8 x 9 1/2		10	BENT			
18												
19	ONE			x91a	PL	5/8 x 8 1/2	1	1				
20												
21	ONE			x92a	PL	1/2 x 9	1	3				
22	2			x92b	PL	1/2 x 3 1/2	1	0 5/8				
23												
24	3			sb7-225	BOLT	7/8 #	2 1/4		1nd/2nd	A325		
25												
26	2			jb7-275	BOLT	7/8 #	2 3/4			A307		
27												

- NO EXCEPTION TAKEN
- REJECTED
- MAKE CORRECTIONS NOTED
- REVISE AND RESUBMIT
- SUBMIT SPECIFIED ITEM

CHECKING IS ONLY FOR 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.

DATE 5/9/12 BY CHA/PKL/W

PAINT NOTES:

- ALL ITEMS THIS SHEET TO RECEIVE UPPER STEEL PAINT SYSTEM PER GN1.
- CLEAN AND PRIME BOLTED PARTS PRIOR TO ASSEMBLY.
- PRIMER ONLY, WITHIN 3" FROM ALL OPEN HOLES, (A307) SHIPPING BOLTS AND NUTS OR TO NEAREST EDGE OR PERPENDICULAR SURFACE (WHICHEVER IS LESS) UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL TORQUED BOLTS TO RECEIVE COMPLETE PAINT SYSTEM NOTED. NO PAINT ON (A307) SHIPPING BOLTS AND NUTS.

NOTES:

- FOR GENERAL NOTES SEE DRAWING GN1.
- ALL BOLTS THIS SHEET TO BE FULLY TORQUED UNLESS NOTED AS (A307) SHIPPING BOLTS.
- INSTALL WASHER UNDER HEAD OF BOLT AS WELL AS NUT. ADDITIONAL WASHER IS NOT REQUIRED FOR (A307) SHIPPING BOLTS.
- ALL HOLES MARKED "X" OR "X" ARE TO BE FIELD DRILLED HOLES. DO NOT SHOP DRILL.

ALL HOLES TO BE PUNCHED U.N.O.

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
- SHP'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
- ⊗ = FIELD DRILLED HOLE

ALL DIMENSIONS HAVE BEEN FIELD VERIFIED  
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

A	NO.	DATE	RC	BY	FOR APPROVAL	REVISION
		04/25/12				

**STS STEEL, INC.**  
 ENGINEERS \* FABRICATORS \* ERECTORS  
 PH: (518) 370-2693 FAX: (518) 370-2696

DRAWING TITLE:  
**UPPER STEEL (SWAY FRAMES @ U2 & U16)**

PROJECT No. US RT 2 BRIDGE No 24 FEDERAL AID No. \_\_\_\_\_  
 ENGINEER: CHA  
 CUSTOMER: Harrison & Burrows 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: RC JOB NO. 1156  
 WELDS: AWS D1.5 CHK.BY: SG DWG NO. 81