



ONE REQ'D ~ Mk. M41A

LIFTING WEIGHT
?
lbs

- 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
 CHA
 PAH / 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 "M" ARE TO BE FIELD DRILLED HOLES. DO NOT SHOP DRILL.

BILL OF MATERIALS

LINE	SEQ	SHIPPING PCS	ASSEMBLY PCS	MARK	SHAPE	DESCRIPTION	LENGTH		REMARKS	MATERIAL ASTM A709-50 T2 U.N.O.					
							ft	in		MATL GRADE	MATL REMARK	WEIGHT	HEAT NO		
1															
2	ONE			M41A		TOP STRUT ASSY									
3															
4	ONE			x57a	C	12 x 20.7	12	5 1/2							
5	ONE			x57b	C	12 x 20.7	12	5 1/2							
6															
7	ONE			x38c	L	4x 3 1/2x 3/8	2	4 15/16							
8	ONE			x38d	L	4x 3 1/2x 3/8	2	4 15/16							
9	2			x39b	L	3 1/2x3 1/2x3/8	2	4 15/16							
10															
11	ONE			x48c	PL	3/8 x 9 1/2	2	4 15/16							
12	ONE			x48d	PL	3/8 x 9 1/2	2	4 15/16							
13	ONE			x50c	PL	3/8 x 22 1/8	2	4 15/16							
14	ONE			x50d	PL	3/8 x 22 1/8	2	4 15/16							
15	2			x46d	PL	3/8 x 26 7/16	2	2 1/2							
16															
17	4			x47a	PL	5/8 x 26 7/16	2	10							
18															
19	48			sb7-275	BOLT	7/8 #	2	3/4	Incl 1 wa 1 ber wa			A325			
20	24			sb7-25	BOLT	7/8 #	2	1/2	Incl 1 wa 1 ber wa			A325			
21															
22	4			jb7-2	BOLT	7/8 #	2					A307			
23	4			jb7-225	BOLT	7/8 #	2	1/4				A307			
24	8			jb7-25	BOLT	7/8 #	2	1/2				A307			
25															
26															
27															
28															
29															
30															

ALL HOLES TO BE PUNCHED U.N.O.

LEGEND:

- C = CENTERLINE
- CTR'D = CENTERED
- C/C = CENTER TO CENTER
- FLG = FLANGE
- TOP = TOP
- BTM = BOTTOM
- RDFH = RUNNING DIMENSIONS FROM HERE
- F/B = 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
- M = FIELD DRILLED HOLE

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

A	04/20/12	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 (TS12 @ U12)			
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		
HOLE:	15/16" U.N.O.	PAINT:	PER SPEC
BOLTS:	A325 U.N.O.	DRBY:	PG
WELDS:	AWS D1.5	CHKBY:	SG
		DATE:	04/10/12
		JOB NO.:	1156
		DWG NO.:	41