



NOTE:
FIELD VERIFY THE THICKNESS
OF ALL SHIMS

NO EXCEPTION TAKEN

REVISION NOTED

REVISION NOTED

REVISION NOTED

REVISION NOTED

REJECTED

DATE: 3/21/09

SIGNATURE: TEK

REVIEW BY ITANTEC 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.

GALVANIZING NOTES:
1 ALL WELDS SHALL BE SEALED
2 VENT AS REQUIRED
3 COMPLETE FINAL ASSEMBLY OF BOLTED ITEMS AFTER GALVANIZING. WIRE-BRUSH ALL CONTACTING SURFACES TO A DULL-GRAY APPEARANCE PRIOR TO ASSEMBLY

FB THIS DWG
40- 3/8 x 2 1/2 (A325 GALV.) BOLT w/NUT

BILL OF MATERIAL

MARKS	SHIP	TEMP	QTY	MATERIAL	FT	IN	GR	REMARK'S
20M1			ONE	R.L. x 8	1	4	Gr 36	
20M2			ONE	R.L. x 8	2	8	Gr 36	
20M3			ONE	R.L. x 8	2	6 1/2	Gr 36	
20M4			ONE	R.L. x 8	2	6 1/2	Gr 36	
20M5			ONE	R.L. x 8	2	5 1/2	Gr 36	
20M6			ONE	R.L. x 8	2	5 1/2	Gr 36	
20M7			ONE	R.L. x 8	1	3 1/2	Gr 36	
20M8			ONE	R.L. x 8	1	3 1/2	Gr 36	
20M9			ONE	R.L. x 8	1	1 1/2	Gr 36	
20M10			ONE	R.L. x 8	1	1 1/2	Gr 36	
20M11			ONE	R.L. x 8	1	3 1/2	Gr 36	
20M12			ONE	R.L. x 8	1	3 1/2	Gr 36	
20M13			ONE	R.L. x 8	1	1 1/2	Gr 36	
20M14			ONE	R.L. x 8	1	1 1/2	Gr 36	

MATL:
1 ALL MAT'L SHALL CONFORM TO AASHTO M 270M/M 270 GRADE 50 (UNLESS NOTED)
2 'CVN' INDICATES CHARNY 'V' NOTCH TESTED.
3 'FCM' INDICATES 'FRACTURE CRITICAL MEMBER'

WELD: E70xx
HOLES: 1/2" UNO
PREP: SSPC-SP8
PAINT: GALVANIZED AND AIR COOLED (NOT QUENCHED) (SEE GALVANIZING NOTES)

3/11/09 PER APPL COMMENTS DATED 3/06/09

ARC ENTERPRISES, INC.
KINGFIELD, MAINE

PROJECT STATE OF VERMONT - AGENCY OF TRANSPORTATION
BRIDGE No 31 - RICHMOND, VERMONT

SCALE: NTS APPROVED BY: DRAWN BY: KAJ
DATE: 2/18/09 CHKD BY: CMS-DB2

BRIDGE # HIGHWAY #1 OVER WINOOSKI RIVER
SHIM PLATE DETAILS

T BUCK CONSTRUCTION DWG NO 09-113 - 20