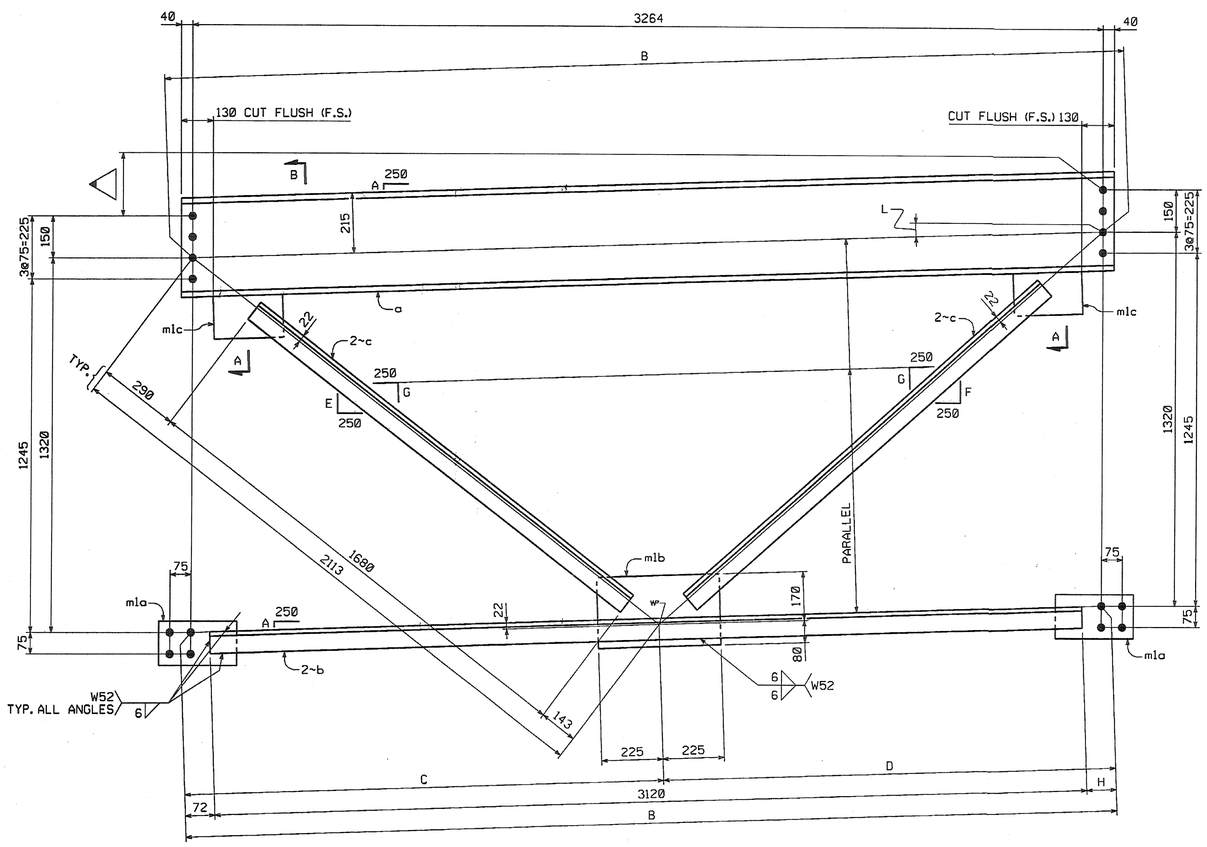
METRIC

METRIC

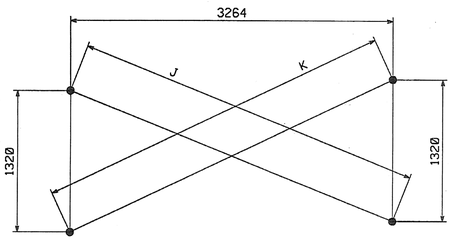
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL WEIGHTS ARE IN KILOGRAMS.

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
	VT	



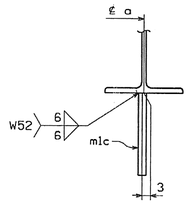
END CROSSFRAMES

MARK	◁	A	B	C	D	E	F	G	H	L
CF1	110	8	3266	1677	1589	192	220	205	74	1.93°
CF2	0	0	3264	1632	1632	206	206	206	72	0°
CF3	(-)110	(-)8	3266	1589	1677	220	192	205	74	(-)1.93°

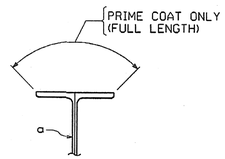


CHECK DIMENSIONS

MARK	J	K
CF1	3481	3564
CF2	3521	3521
CF3	3564	3481



SECTION A



SECTION B

SHIPMENT

1	2	3
ONE	ONE	ONE
2	2	2
ONE	ONE	ONE

BILL OF MATERIAL

NO.	MARK	DESCRIPTION	LENGTH	REMARKS	GRP.	ITEM	SHIP. WT. KG. EA.
3	CF1	CROSSFRAMES					411.62
3	a	W360 x 79	3 358	(W14 x 53)	11	1	265.28
6	b	L76 x 76 x 7.9	3 120	(L3 x 3 x 5/16)	11	7	28.05
12	c	L76 x 76 x 7.9	1 680	(L3 x 3 x 5/16)	11	7	15.10
6	m1a	PL 14 x 155	290		11	9	4.94
3	m1b	PL 14 x 250	450		11	9	12.36
6	m1c	PL 14 x 150	230		11	9	3.79
6	CF2	CROSSFRAMES					410.51
6	a	W360 x 79	3 344	(W14 x 53)	11	1	264.18
12	b	L76 x 76 x 7.9	3 120	(L3 x 3 x 5/16)	11	7	28.05
24	c	L76 x 76 x 7.9	1 680	(L3 x 3 x 5/16)	11	7	15.10
12	m1a	PL 14 x 155	290		11	9	4.94
6	m1b	PL 14 x 250	450		11	9	12.36
12	m1c	PL 14 x 150	230		11	9	3.79
3	CF3	CROSSFRAMES					411.62
3	a	W360 x 79	3 358	(W14 x 53)	11	1	265.28
6	b	L76 x 76 x 7.9	3 120	(L3 x 3 x 5/16)	11	7	28.05
12	c	L76 x 76 x 7.9	1 680	(L3 x 3 x 5/16)	11	7	15.10
6	m1a	PL 14 x 155	290		11	9	4.94
3	m1b	PL 14 x 250	450		11	9	12.36
6	m1c	PL 14 x 150	230		11	9	3.79

SHIP WT Total
1234.86
2463.06
1234.86

TOTAL WEIGHT THIS SHEET: 4932.78 kgs JMK 7-21-06

A & 7-25-06

SHIP. 1 WT~1644.26 kgs
SHIP. 2 WT~1644.26 kgs
SHIP. 3 WT~1644.26 kgs

Number of Cross Frames	
UNIT ONE	4
UNIT THREE	4
UNIT TWO	4
Total	12

WT. FOR ENTIRE BRIDGE CROSSFRAMES & UTILITY SUPPORT (Sheets 105 THRU 112) BY UNIT

1) 1644.26 + 411.62 + 411.62 + 5286.44 + 12822.60 + 2587.84 + 8439.44 + 4754.46 = 36263.78
2) 1644.264 + 411.624 + 411.624 + 6074.48 + 14654.40 + 3007.48 + 9629.36 + 5434.24 = 41272.16
3) 1644.26 + 411.62 + 411.62 + 6074.18 + 14654.40 + 3007.48 + 9629.36 + 5434.24 = 41272.16

118818 kg

SHOP DRAWING REVIEW

☒ REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

☐ REJECTED ☐ REVISE AND RESUBMIT ☐ FURNISH AS CORRECTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS REVIEW IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

VHB Vanasse Hangen Brustlin, Inc. Engineers, Planners, and Scientists 96 Bedford Farms, Kilton Rd. Bedford, NH 03102 603 644 0888

Job Number: 50911
Reviewed By: BMH
Date: 11/2/04

SHOP NOTE

HOLES: 15/16"ø
BOLTS: NONE
PAINT: SEE DWG. GN1
FOR GENERAL SHOP NOTES, SEE DWG. GN1.

CODE:63

NO.	REVISION	BY	DATE

HIGH STEEL STRUCTURES, INC.
1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5211
A Division of High Industries, Inc.

CROSSFRAMES CF1 THRU CF3
VT 78 OVER MISSISQUOI BAY, BRIDGE NO. 2
VT 78 STA.10+970.425 TO STA.12+059.775
TOWNS OF ALBURG AND SWANTON
COUNTIES OF GRAND ISLE AND FRANKLIN
STATE OF VERMONT, AGENCY OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BRF-036-1(1)
CONTRACTOR CIANBRO CORPORATION
IN CHARGE: GLIDDEN (IH) MADE BY: ERS CHK'D. BY: JSA DATE: 8-24-04
CONTRACT NUMBER: VT-04057-1,2&3 DRAWING NUMBER: 105 OF 112

PLOTTED: 08/26/2004 08:21:38 AM
BY: cshaffer
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