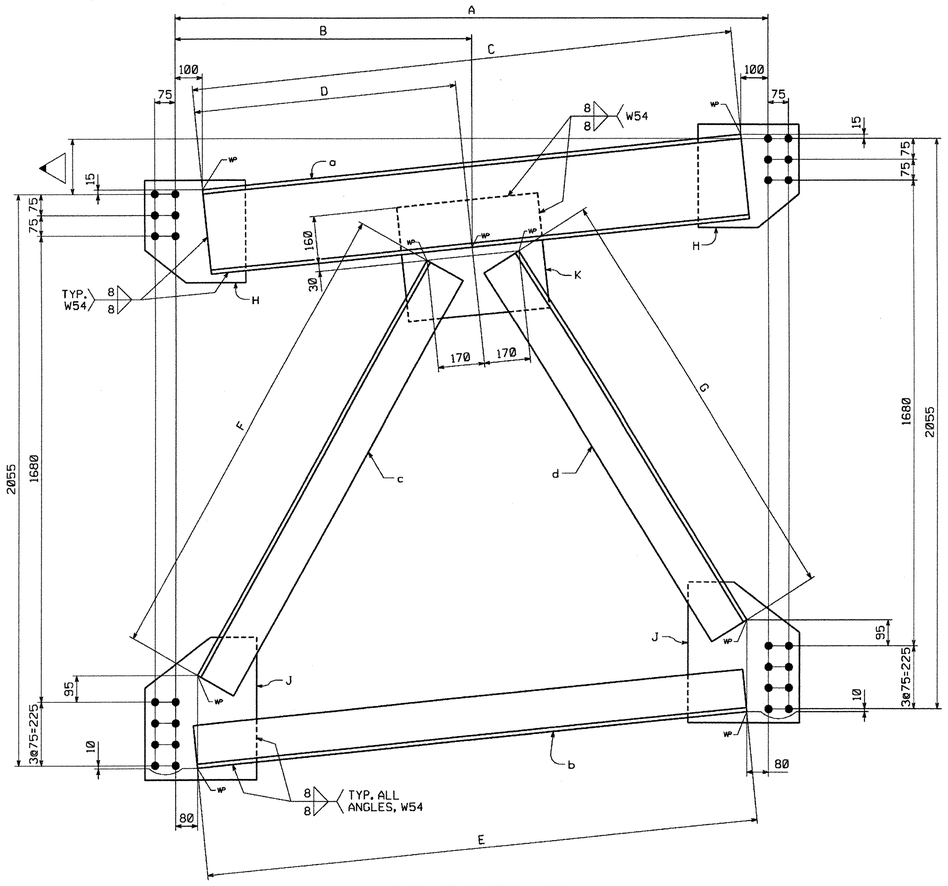
METRIC

METRIC

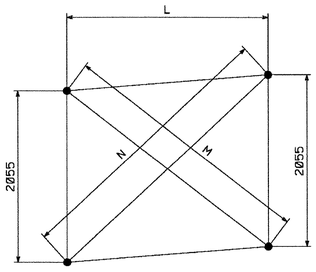
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL WEIGHTS ARE IN KILOGRAMS.

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



END CROSSFRAMES

MARK	◁	A	B	C	D	E	F	G	H	J	K	REMARKS
CF1	200	2375	1188	2184	1064	2224	1769	1626	m1a	m1c	m1f	NO PAINT
CF2	190	2340	1182	2148	1060	2188	1764	1613	m1a	m1c	m1f	NO PAINT
CF3	170	2232	1153	2039	1031	2079	1742	1580	m1a	m1c	m1f	NO PAINT
CF4	165	2150	1075	1957	953	1997	1698	1578	m1a	m1c	m1f	NO PAINT
CF5	(-)205	2293	1146	2103	1081	2143	1601	1749	m1b	m1d	m1g	PAINTED
CF6	(-)195	2263	1119	2072	1052	2112	1590	1745	m1b	m1d	m1g	PAINTED
CF7	(-)175	2159	1042	1967	973	2007	1560	1725	m1b	m1d	m1g	PAINTED
CF8	(-)170	2081	1040	1889	972	1929	1558	1683	m1b	m1d	m1g	PAINTED



CHECK DIMENSIONS

MARK	L	M	N
CF1	2375	3014	3275
CF2	2340	2992	3243
CF3	2232	2921	3152
CF4	2150	2863	3090
CF5	2293	3220	2946
CF6	2263	3191	2929
CF7	2159	3104	2863
CF8	2081	3047	2808

BILL OF MATERIAL

QTY EA.	MARK	COMM.	DESCRIPTION	LENGTH	SPEC	GRADE	TEST	REMARKS	GRP.	ITEM	SHIP WEIGHT EA.
ONE	CF6		CROSSFRAME								351.94
1	a	C	310 x 37	2 072	M270M	345W	T	(C12 x25)	11	1	76.66
1	b	L	152 x 152 x 12.7	2 112	M270M	345W	T	(L6 x6x1/2)	11	2	62.73
1	c	L	152 x 152 x 12.7	1 590	M270M	345W	T	(L6 x6x1/2)	11	2	47.22
1	d	L	152 x 152 x 12.7	1 745	M270M	345W	T	(L6 x6x1/2)	11	2	51.83
2	m1b	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1d	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1g	PL	16 x 410	540	M270M	345W	T		11	3	27.80
ONE	CF7		CROSSFRAME								343.45
1	a	C	310 x 37	1 967	M270M	345W	T	(C12 x25)	11	1	72.78
1	b	L	152 x 152 x 12.7	2 007	M270M	345W	T	(L6 x6x1/2)	11	2	59.61
1	c	L	152 x 152 x 12.7	1 560	M270M	345W	T	(L6 x6x1/2)	11	2	46.33
1	d	L	152 x 152 x 12.7	1 725	M270M	345W	T	(L6 x6x1/2)	11	2	51.23
2	m1b	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1d	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1g	PL	16 x 410	540	M270M	345W	T		11	3	27.80
ONE	CF8		CROSSFRAME								336.95
1	a	C	310 x 37	1 889	M270M	345W	T	(C12 x25)	11	1	69.89
1	b	L	152 x 152 x 12.7	1 929	M270M	345W	T	(L6 x6x1/2)	11	2	57.29
1	c	L	152 x 152 x 12.7	1 558	M270M	345W	T	(L6 x6x1/2)	11	2	46.27
1	d	L	152 x 152 x 12.7	1 683	M270M	345W	T	(L6 x6x1/2)	11	2	49.99
2	m1b	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1d	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1g	PL	16 x 410	540	M270M	345W	T		11	3	27.80

TOTAL WEIGHT THIS SHEET: 2798.13 kg

BILL OF MATERIAL

QTY EA.	MARK	COMM.	DESCRIPTION	LENGTH	SPEC	GRADE	TEST	REMARKS	GRP.	ITEM	SHIP WEIGHT EA.
ONE	CF1		CROSSFRAME								361.20
1	a	C	310 x 37	2 184	M270M	345W	T	(C12 x25)	11	1	80.81
1	b	L	152 x 152 x 12.7	2 224	M270M	345W	T	(L6 x6x1/2)	11	2	66.05
1	c	L	152 x 152 x 12.7	1 769	M270M	345W	T	(L6 x6x1/2)	11	2	52.54
1	d	L	152 x 152 x 12.7	1 626	M270M	345W	T	(L6 x6x1/2)	11	2	48.29
2	m1a	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1c	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1f	PL	16 x 410	540	M270M	345W	T		11	3	27.80
ONE	CF2		CROSSFRAME								358.26
1	a	C	310 x 37	2 148	M270M	345W	T	(C12 x25)	11	1	79.48
1	b	L	152 x 152 x 12.7	2 188	M270M	345W	T	(L6 x6x1/2)	11	2	64.98
1	c	L	152 x 152 x 12.7	1 764	M270M	345W	T	(L6 x6x1/2)	11	2	52.39
1	d	L	152 x 152 x 12.7	1 613	M270M	345W	T	(L6 x6x1/2)	11	2	47.91
2	m1a	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1c	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1f	PL	16 x 410	540	M270M	345W	T		11	3	27.80
ONE	CF3		CROSSFRAME								349.36
1	a	C	310 x 37	2 039	M270M	345W	T	(C12 x25)	11	1	75.44
1	b	L	152 x 152 x 12.7	2 079	M270M	345W	T	(L6 x6x1/2)	11	2	61.75
1	c	L	152 x 152 x 12.7	1 742	M270M	345W	T	(L6 x6x1/2)	11	2	51.74
1	d	L	152 x 152 x 12.7	1 580	M270M	345W	T	(L6 x6x1/2)	11	2	46.93
2	m1a	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1c	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1f	PL	16 x 410	540	M270M	345W	T		11	3	27.80
ONE	CF4		CROSSFRAME								342.52
1	a	C	310 x 37	1 957	M270M	345W	T	(C12 x25)	11	1	72.41
1	b	L	152 x 152 x 12.7	1 997	M270M	345W	T	(L6 x6x1/2)	11	2	59.31
1	c	L	152 x 152 x 12.7	1 698	M270M	345W	T	(L6 x6x1/2)	11	2	50.43
1	d	L	152 x 152 x 12.7	1 578	M270M	345W	T	(L6 x6x1/2)	11	2	46.87
2	m1a	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1c	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1f	PL	16 x 410	540	M270M	345W	T		11	3	27.80
ONE	CF5		CROSSFRAME								354.46
1	a	C	310 x 37	2 103	M270M	345W	T	(C12 x25)	11	1	77.81
1	b	L	152 x 152 x 12.7	2 143	M270M	345W	T	(L6 x6x1/2)	11	2	63.65
1	c	L	152 x 152 x 12.7	1 601	M270M	345W	T	(L6 x6x1/2)	11	2	47.55
1	d	L	152 x 152 x 12.7	1 749	M270M	345W	T	(L6 x6x1/2)	11	2	51.95
2	m1b	PL	16 x 365	380	M270M	345W	T		11	3	17.42
2	m1d	PL	16 x 405	500	M270M	345W	T		11	3	25.43
1	m1g	PL	16 x 410	540	M270M	345W	T		11	3	27.80

SHOP NOTE

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

☑ Reviewed
☐ Rejected

☐ Furnish as Corrected
☐ Revise and Resubmit
☐ Submit Specified Item

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with the requirements of the plans and specifications. Review of a specific item shall not include review of an assembly of which the item is a component. The Contractor is responsible for dimensions to be confirmed and correlated at the jobsite, information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all other trades and performing all work in a safe and satisfactory manner.

McFarland-Johnson, Inc.
Date 6/16/05
By EW

VTrans
RECEIVED
CK'D BY JWC OK'D BY
JUN 21 2005
RESUBMIT APPROVED
BY DATE

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 CF8
U.S. RTE. 5 (BRIDGE #60) OVER LULLS BROOK
U.S. RTE. 5 STA. 3+080.77 TO STA. 3+123.110
TOWN OF HARTLAND
WINDSOR COUNTY, VERMONT
STATE OF VERMONT, AGENCY OF TRANSPORTATION

STATE CONTRACT OR REF. NO. PROJECT NO. BRS-0113(22)
CONTRACTOR MILLER CONSTRUCTION, INC.
IN CHARGE: GLIDDEN (IH) MADE BY: KLW CHK'D BY: MGK DATE: 4/18/05
CONTRACT NUMBER: VT-05017-1 DRAWING NUMBER: 1 OF 15

CODE:63

PLOTTED: 4/20/2005 6:44:59 AM
BY: mkraudel

11955

05017 X3 6/17/05 6/17/05For Your Use TO:Vermont Agency Of