

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

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

**BILL OF MATERIAL**

QTY EA	MARK	COMM.	DESCRIPTION	LENGTH	SPEC	GRADE	TEST	REMARKS	GRP	ITEM	SHIP WEIGHT EA
<b>CF28 CROSSFRAMES</b>											
4	a	L	152 x 152 x 12.7	1840	M270M	345W	T	(L6 x6x1/2)	11	2	54.65
4	b	L	152 x 152 x 12.7	2508	M270M	345W	T	(L6 x6x1/2)	11	2	74.49
4	c	L	152 x 152 x 12.7	2261	M270M	345W	T	(L6 x6x1/2)	11	2	67.15
8	m1h	PL	16 x 425	460	M270M	345W	T		11	3	24.55
8	m1m	PL	16 x 400	415	M270M	345W	T		11	3	20.85
4	m1p	PL	16 x 202	240	M270M	345W	T	FILL	11	3	6.09
<b>CF29 CROSSFRAMES</b>											
2	a	L	152 x 152 x 12.7	1839	M270M	345W	T	(L6 x6x1/2)	11	2	54.62
2	b	L	152 x 152 x 12.7	2504	M270M	345W	T	(L6 x6x1/2)	11	2	74.37
2	c	L	152 x 152 x 12.7	2265	M270M	345W	T	(L6 x6x1/2)	11	2	67.27
4	m1h	PL	16 x 425	460	M270M	345W	T		11	3	24.55
4	m1m	PL	16 x 400	415	M270M	345W	T		11	3	20.85
2	m1p	PL	16 x 202	240	M270M	345W	T	FILL	11	3	6.09
<b>CF30 CROSSFRAME</b>											
2	a	L	152 x 152 x 12.7	1839	M270M	345W	T	(L6 x6x1/2)	11	2	54.62
1	b	L	152 x 152 x 12.7	2501	M270M	345W	T	(L6 x6x1/2)	11	2	74.28
1	c	L	152 x 152 x 12.7	2268	M270M	345W	T	(L6 x6x1/2)	11	2	67.36
2	m1h	PL	16 x 425	460	M270M	345W	T		11	3	24.55
2	m1m	PL	16 x 400	415	M270M	345W	T		11	3	20.85
1	m1p	PL	16 x 202	240	M270M	345W	T	FILL	11	3	6.09
<b>CF31 CROSSFRAME</b>											
2	a	L	152 x 152 x 12.7	1838	M270M	345W	T	(L6 x6x1/2)	11	2	54.59
1	b	L	152 x 152 x 12.7	2497	M270M	345W	T	(L6 x6x1/2)	11	2	74.16
1	c	L	152 x 152 x 12.7	2271	M270M	345W	T	(L6 x6x1/2)	11	2	67.45
2	m1h	PL	16 x 425	460	M270M	345W	T		11	3	24.55
2	m1m	PL	16 x 400	415	M270M	345W	T		11	3	20.85
1	m1p	PL	16 x 202	240	M270M	345W	T	FILL	11	3	6.09
<b>CF32 CROSSFRAME</b>											
2	a	L	152 x 152 x 12.7	1838	M270M	345W	T	(L6 x6x1/2)	11	2	54.59
1	b	L	152 x 152 x 12.7	2494	M270M	345W	T	(L6 x6x1/2)	11	2	74.07
1	c	L	152 x 152 x 12.7	2274	M270M	345W	T	(L6 x6x1/2)	11	2	67.54
2	m1h	PL	16 x 425	460	M270M	345W	T		11	3	24.55
2	m1m	PL	16 x 400	415	M270M	345W	T		11	3	20.85
1	m1p	PL	16 x 202	240	M270M	345W	T	FILL	11	3	6.09
<b>CF33 CROSSFRAME</b>											
2	a	L	152 x 152 x 12.7	1838	M270M	345W	T	(L6 x6x1/2)	11	2	54.59
1	b	L	152 x 152 x 12.7	2490	M270M	345W	T	(L6 x6x1/2)	11	2	73.95
1	c	L	152 x 152 x 12.7	2277	M270M	345W	T	(L6 x6x1/2)	11	2	67.63
2	m1h	PL	16 x 425	460	M270M	345W	T		11	3	24.55
2	m1m	PL	16 x 400	415	M270M	345W	T		11	3	20.85
1	m1p	PL	16 x 202	240	M270M	345W	T	FILL	11	3	6.09

TOTAL WEIGHT THIS SHEET: 3477.56 kg

VTtrans  
RECEIVED  
OK'D BY: JWC OK'D BY: \_\_\_\_\_  
JUN 21 2005  
RESUBMIT \_\_\_\_\_ APPROVED \_\_\_\_\_  
BY \_\_\_\_\_ DATE \_\_\_\_\_

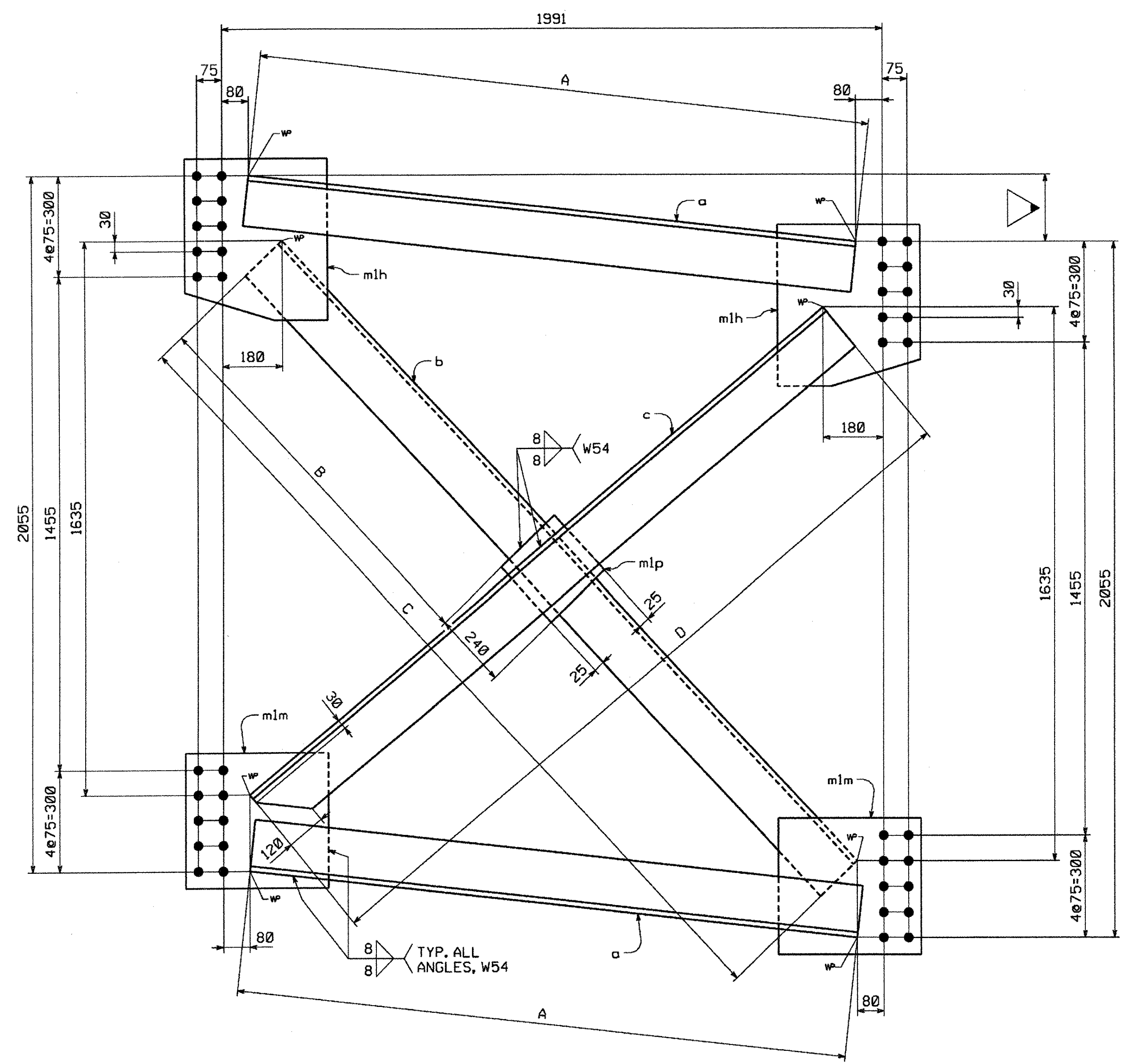
- Reviewed
- Rejected
- Furnish as Corrected
- Revise and Resubmit
- Submit Specified Item

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 performance of all work in a safe and satisfactory manner.

McFarland-Johnson, Inc.  
Date: 6/17/05  
By: CLW

**SHOP NOTE**  
HOLES: 1/16" #  
BOLTS: NONE  
PAINT: NONE  
FOR GENERAL SHOP NOTES, SEE DWG. GNI.

NO.	REVISION	BY	DATE
CROSSFRAMES CF28 THRU CF33			
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 PROJECT NO. BRS-0113(22)			
OR REF. NO.			
CONTRACTOR MILLER CONSTRUCTION, INC.			
IN CHARGE: GLIDDEN (IH)	MADE BY: KLV	CHK'D BY: MGK	DATE: 4/18/05
CONTRACT NUMBER: VT-05017-1		DRAWING NUMBER: 5 OF 15	



**INTERMEDIATE CROSSFRAMES**

MARK	A	B	C	D
CF28	180	1840	1141	2508
CF29	175	1839	1139	2504
CF30	170	1839	1137	2501
CF31	165	1838	1135	2497
CF32	160	1838	1133	2494
CF33	155	1838	1131	2490

BY: mcr-ede  
 PLOTTED: 4/20/2005 6:45:11 AM

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