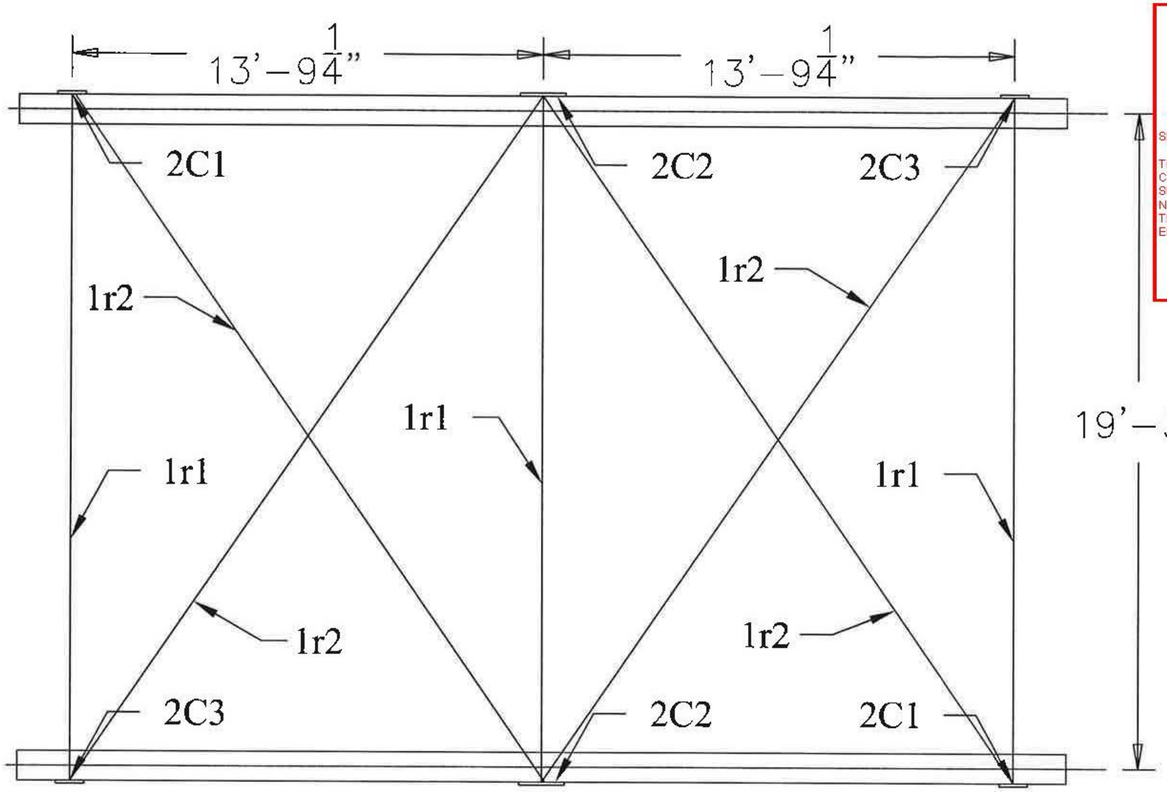
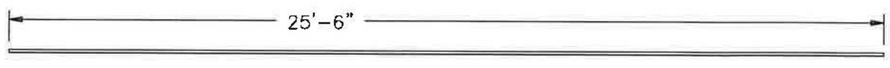


(1) - 1E1 EAST RAMP FRAMING
(1) - 1W1 WEST RAMP FRAMING

(6) - 1r1 CROSS ROD DETAIL

NOTE - 6" THRD EACH END



(8) - 1r2 CROSS ROD DETAIL

T.Y. LIN INTERNATIONAL

THE STAMPED DOCUMENTS ARE HEREBY:

_X_ APPROVED
___ APPROVED AS NOTED
___ REVISE AND RESUBMIT

SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.

THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.

JOSH OLUND — REVIEWER
08/08/2014 — DATE

BILL OF MATERIALS

QTY	MARK	SHAPE	LENGTH	REMARKS
1	1E1	EAST FRAMING PLAN		
2	2C1	Cross Frame Bracket 1		
2	2C2	Cross Frame Bracket 2		
2	2C3	Cross Frame Bracket 3		
3	1r1	1" Dia Rebar Tie Rod x 20'-9 1/2" lg with 4 Nuts & 2 Hardended Steel Washers		
4	1r2	1" Dia Rebar Tie Rod x 25'-6" lg with 4 Nuts & 2 Hardended Steel Washers		
1	1W1	WEST FRAMING PLAN		
2	2C1	Cross Frame Bracket 1		
2	2C2	Cross Frame Bracket 2		
2	2C3	Cross Frame Bracket 3		
3	1r1	1" Dia Rebar Tie Rod x 20'-9 1/2" lg with 4 Nuts & 2 Hardended Steel Washers		
4	1r2	1" Dia Rebar Tie Rod x 25'-6" lg with 4 Nuts & 2 Hardended Steel Washers		

RAMP FRAMING MATERIAL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO M 270 GRADE 36.
2. ALL STRUCTURAL STEEL AND FASTENERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111 AND M 232.
3. ALL REBAR TIE RODS SHALL CONFORM TO ASTM A615 GRADE 75.
4. ALL NUTS SHALL CONFORM TO ASTM A563.

Vermont Agency of Transportation
RECEIVED
ON: July 28, 2014
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 08/08/2014

		DATE SUBMITTED
3	6-24-2014	REVISED PER APPROVAL COMMENTS
2	6-17-2014	REVISED PER APPROVAL COMMENTS
1	5-30-2014	REVISED PER APPROVAL COMMENTS
0	5-5-2014	SUBMITTED FOR APPROVAL
REV NO.	DATE	DESCRIPTION

HOLES AS NOTED
MATERIAL: AASHTO M 270 GRADE 36 GALV

DRAWING COVERS
TIMBER BRIDGE SUPPORT DETAILS

	PROJECT	BROOKFIELD BRF FLBR(2)
	LOCATION	VT ROUTE 65 OVER WESTERN AND EASTERN RAMP
	ENGINEER	T Y LIN INTERNATIONAL
	CUSTOMER	MILLER CONSTRUCTION

MERRIMACK SHEET METAL
119 HALL STREET
CONCORD NH 03301
Tel. 603.224.7766
Fax 603.224.7925

DRAWN BY: RL
CHECKED BY: JD
JOB NO.: #5414
DWG: F1