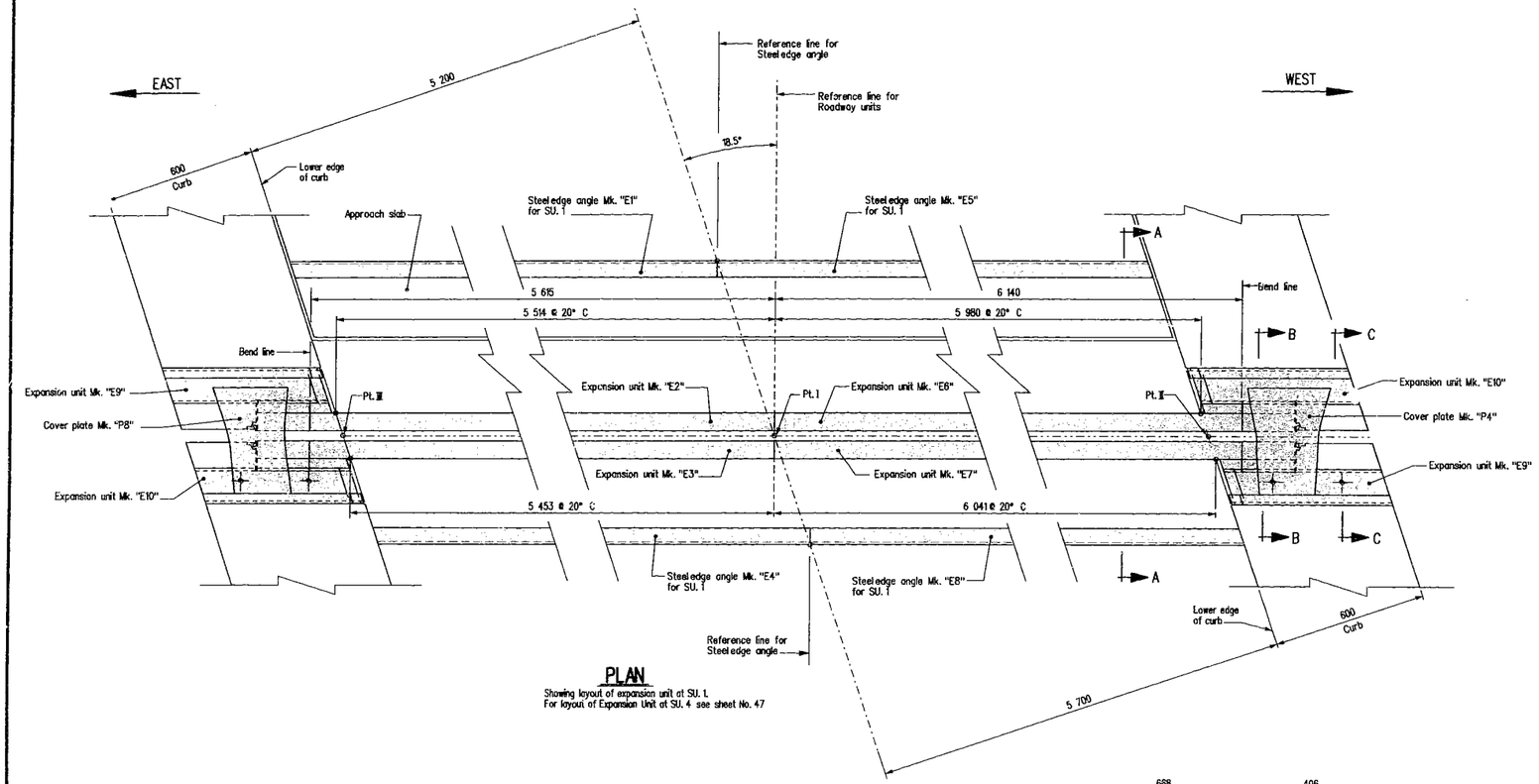


PLAN

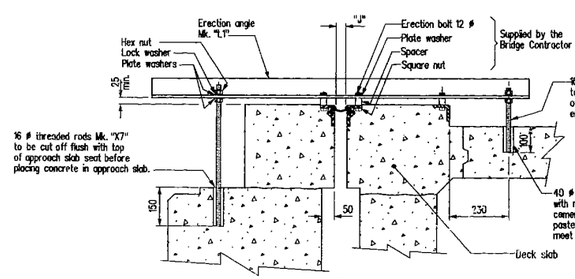
Showing layout of expansion unit at SU. 1.
For layout of Expansion Unit at SU. 4 see sheet No. 47

NOTES:

1. Installation temperature shall be taken as the mean shade temperature under the bridge for the 48 hours prior to casting the joints into the deck.
2. Contact the design engineer for instructions regarding installation temperature in excess of +25° C.
3. Apply Galvalloy to all field welds and areas where galvanizing has been damaged.
4. Prior to placing concrete, the installation shall be approved by the Engineer.
5. All surfaces in contact with joint seal shall be cleaned prior to installation of the seal.
6. All material shall be installed in accordance with respective manufacturers' recommendations.
7. Loosen all erection bolts within 24 hrs. of expansion area pour to allow for movement due to temperature change.
8. After removal of erection angles, bleeder holes and voids shall be filled under pressure with approved grout.

SOUTH ABUTMENT SETTING CHART									
Installation Temperature °C	-15	-10	-5	0	5	10	15	20	25
Installation Gap Width (J) mm (Abutments)	50	48	47	45	44	43	41	40	38

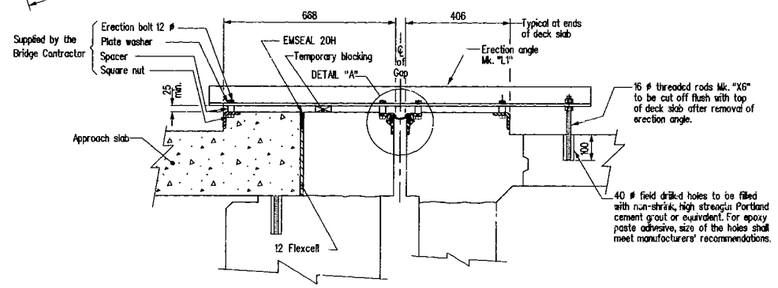
Reference Pt. (on ℄ of Expansion Gap)	VERTICAL OFFSET SU. 1
Pt. I - (on ℄ of Roadway)	0
Pt. II - (at lower edge of E. curb)	121 mm
Pt. III - (at lower edge of W. curb)	98 mm



STAGE 1

SECTION A-A

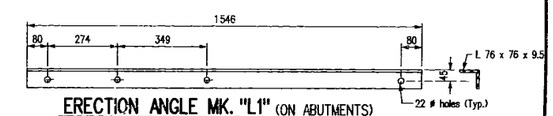
Showing assembly of expansion units.



STAGE 2 : Approach slab construction

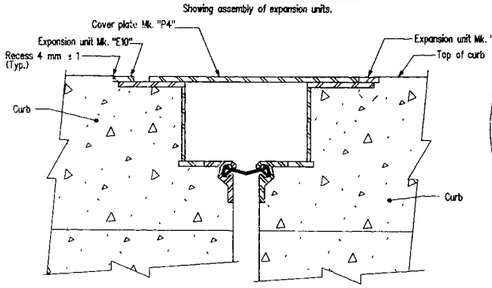
SECTION A-A

Showing assembly of expansion units.



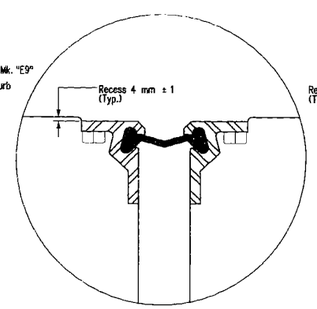
ERECTION ANGLE MK. "L1" (ON ABUTMENTS)

NOTE:
All additional holes required in Erection Angles Mk. "L1" shall be field drilled .



SECTION B-B

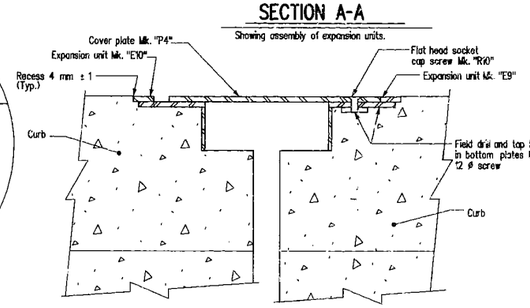
Scale : 1 : 5



DETAIL "A"

Showing recess detail at Expansion Joints.

Scale : 1 : 5



SECTION C-C

Scale : 1 : 5

REVISIONS		
OCT 31/07	R.A	AS BUILT
DATE	BY	DESCRIPTION

PROVINCE OF MANITOBA — A. H. PANKRATZ — OCT 17, 2005 — REGISTERED PROFESSIONAL ENGINEER

EXPANSION JOINT DETAILS

FOR PROPOSED 69 7¼ LONG R.C. BRIDGE
OVER SEINE RIVER DIVERSION
ON P.T.H. No. 59 SOUTH BOUND LANES, 10 900 ROADWAY
IN SEC. 28-8-4E

R.M. OF RITCHOT

Manitoba Transportation and Government Services
Bridges and Structures Branch

RELEASED FOR CONSTRUCTION
BY:
DIRECTOR OF BRIDGES AND STRUCTURES — DATE Oct. 31/05

DESIGN	BY: A.P.P.	SCALE: 1:10 or as shown	SHEET No. 48
	CHECKED: J.B.L.		
DETAILS	BY: G.S.		SITE No. 693-02
	CHECKED: A.H.P.		

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