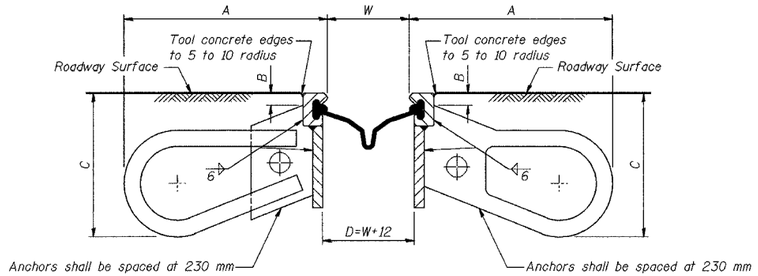
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-2	LAKE COUNTY, INDIANA	452	263
	T.L.S.HOSS	FED. AID PROJECT-		

SHEET NO. S-31
72 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987



INSTALLATION DETAIL

JOINT SETTING TABLE

Ambient Temperature °C	DIMENSION W Expansion Length 30 m-60 m	60 m-90 m	90 m-120 m
50°	54	33	13
40°	62	44	29
25°	68	55	43
15°	76	67	57
5°	84	78	71
-5°	90	89	86
-15°	98	100	102

DIMENSIONS

ALTERNATES	A	B	C
A-1	248	25	185
A-2			
B-1	248	25	185
B-2			
C-1	248	30	185
C-2			

GENERAL NOTES

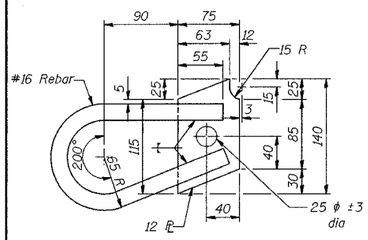
The strip seal shall be made continuous and shall have a minimum thickness of 5 mm. The configuration of the strip seal shall match the configuration of the Locking Edge Rails.

The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.

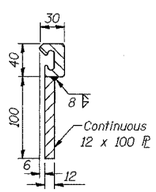
Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

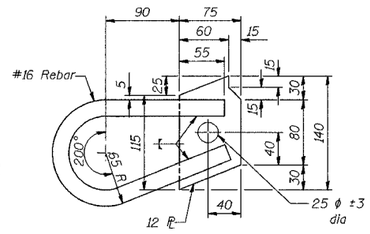
All dimensions are in millimeters (mm) except as noted.



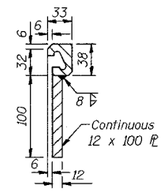
ANCHOR PLATE ALTERNATE A-1



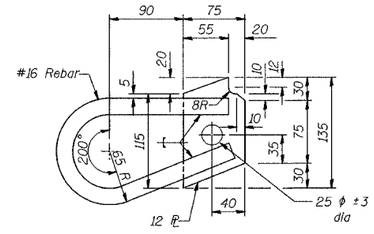
EXTRUSION & PLATE ASSEMBLY DETAIL



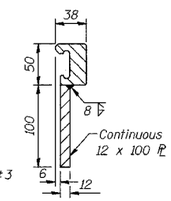
ANCHOR PLATE ALTERNATE B-1



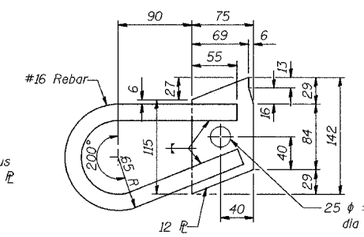
EXTRUSION & PLATE ASSEMBLY DETAIL



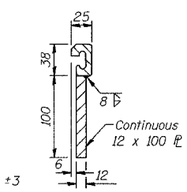
ANCHOR PLATE ALTERNATE C-1



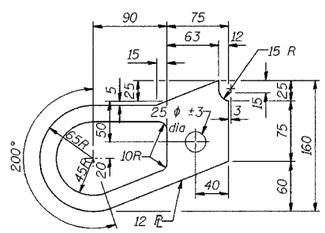
EXTRUSION & PLATE ASSEMBLY DETAIL



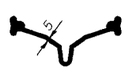
ANCHOR PLATE ALTERNATE D-1



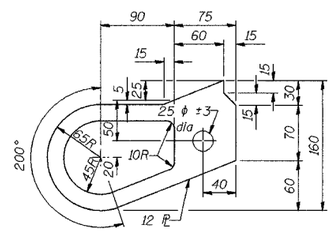
EXTRUSION & PLATE ASSEMBLY DETAIL



ANCHOR PLATE ALTERNATE A-2



STRIP SEAL



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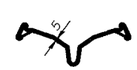
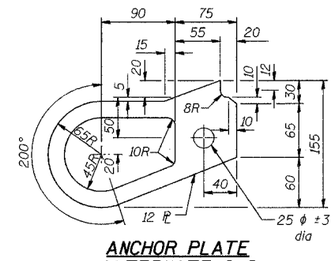


STRIP SEAL



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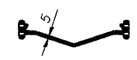

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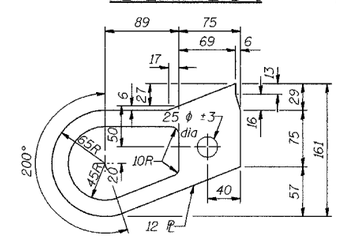

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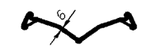
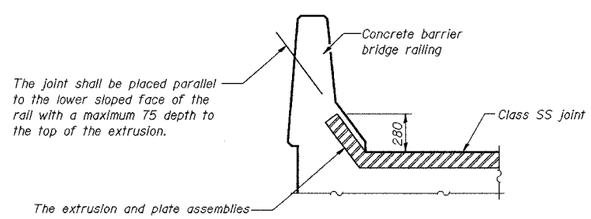
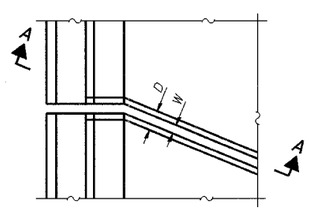


STRIP SEAL



SECTION A-A



PLAN

PLAN DIMENSIONS AT 10° C

Location	W	D
W Abut	73	85
Pier 3	73	85
E Abut	80	92

BILL OF MATERIAL

Item	Unit	Total
Structural Expansion Joint, SS	m	43.7

DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

CONCRETE BARRIER BRIDGE RAILING

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (BORMAN EXPRESSWAY)
OVER LITTLE CALUMET RIVER & N.I.C.T.D. R.O.W.

EXPANSION JOINT DETAILS
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
DATE 07/04 **(016-I003 & 016-I004)**

AMERICAN CONSULTING ENGINEERS