

GENERAL NOTES

Class A Concrete, Class A Concrete (AE), or the mix used in Concrete Pavement, at the Contractor's option, shall be used throughout.

All exposed edges shall be finished with an edging tool. Reinforcing bars shall be bent around pipe.

No reduction in concrete quantities shall be made for pipe openings.

When directed by the Engineer, a small opening in the back of the inlet shall be provided in order to drain a low area. Reinforcing bars shall extend through the opening. No reduction in concrete quantities will be made for this opening.

When directed by the Engineer, the top of the inlet shall be sloped slightly to approximately fit the ground line or other conditions.

The floor of the inlet shall be shaped as shown in various "EXAMPLES" on Reinforced Concrete Manhole Standard Drawing RD730 SI.

No addition in concrete quantities shall be made for shaping floor of inlet.

No reduction in pay length of curb, gutter, or curb & gutter will be made through the inlet area.

All castings shall be gray iron and shall comply with the KDOT Standard Specifications.

The mass of castings includes no allowance for fillets and overruns.

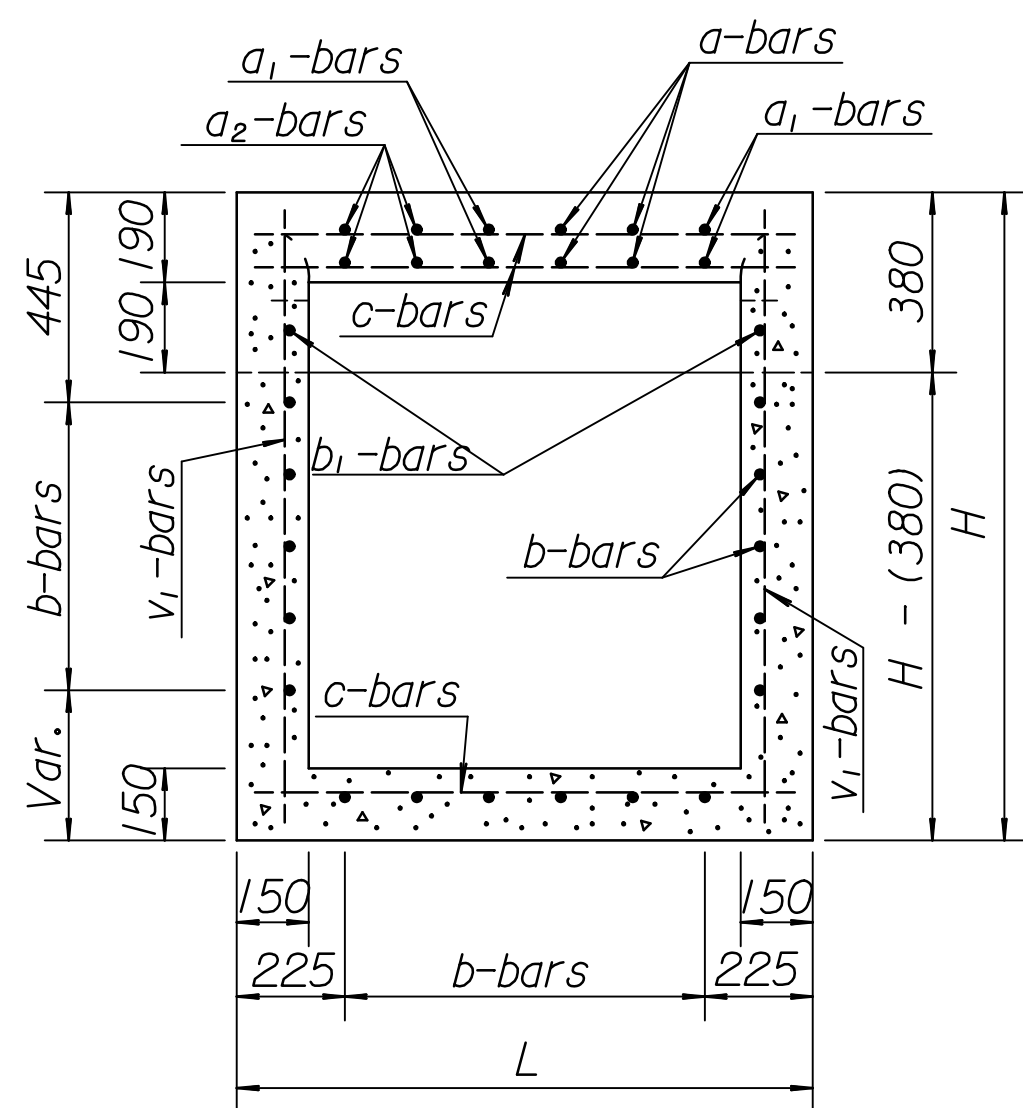
Curb and Gutter sections shall be shaped as shown where required by the installation of curb inlets. This work shall be subsidiary to other bid items.

See sheet entitled "Reinforcing Steel for Inlets and Manholes" for details and quantities.

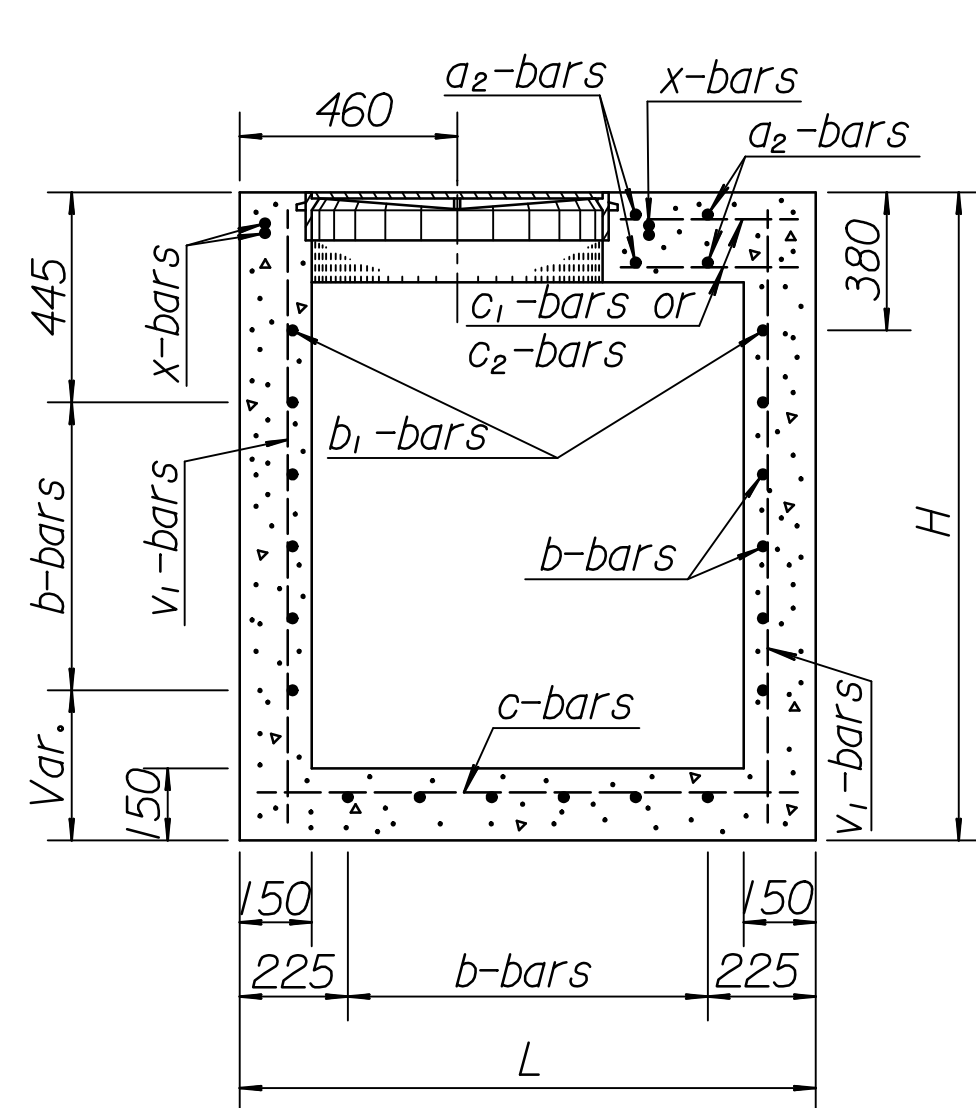
Steps shall be installed in all storm sewer inlets when specified in the plans or when "H" is equal to or greater than 1.8 m. Steps shall comply with the requirements of the KDOT Standard Specification.

For additional notes and details on Light Type Cast Iron Manhole Cover and Ring Type C, and Cast Iron Steps, see Standard Drawing RD730 SI "Reinforced Concrete Manhole".

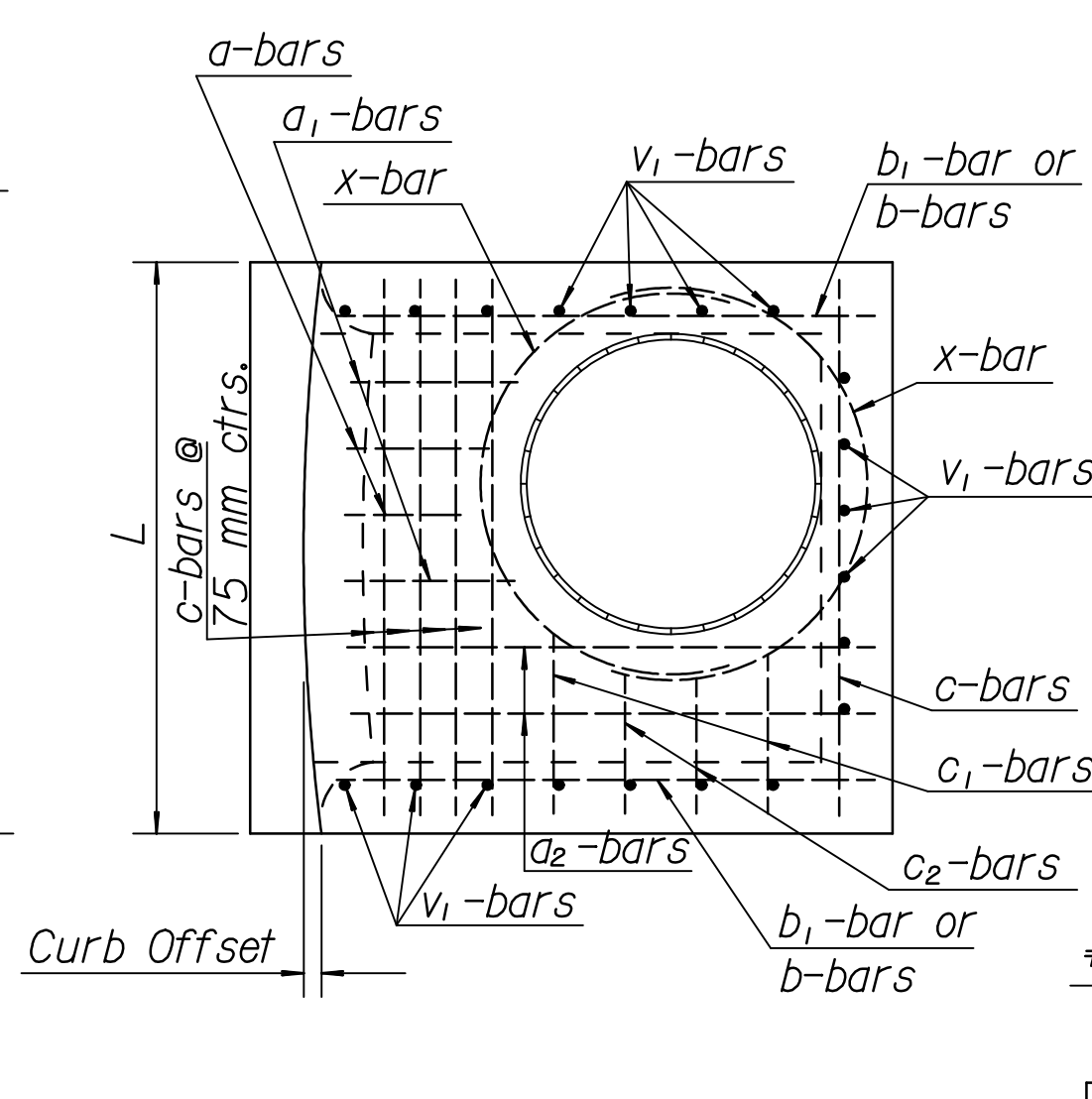
For details on Cast Iron Manhole Cover and Ring See City of Wichita standard sheet entitled "Manhole Frame and Cover".



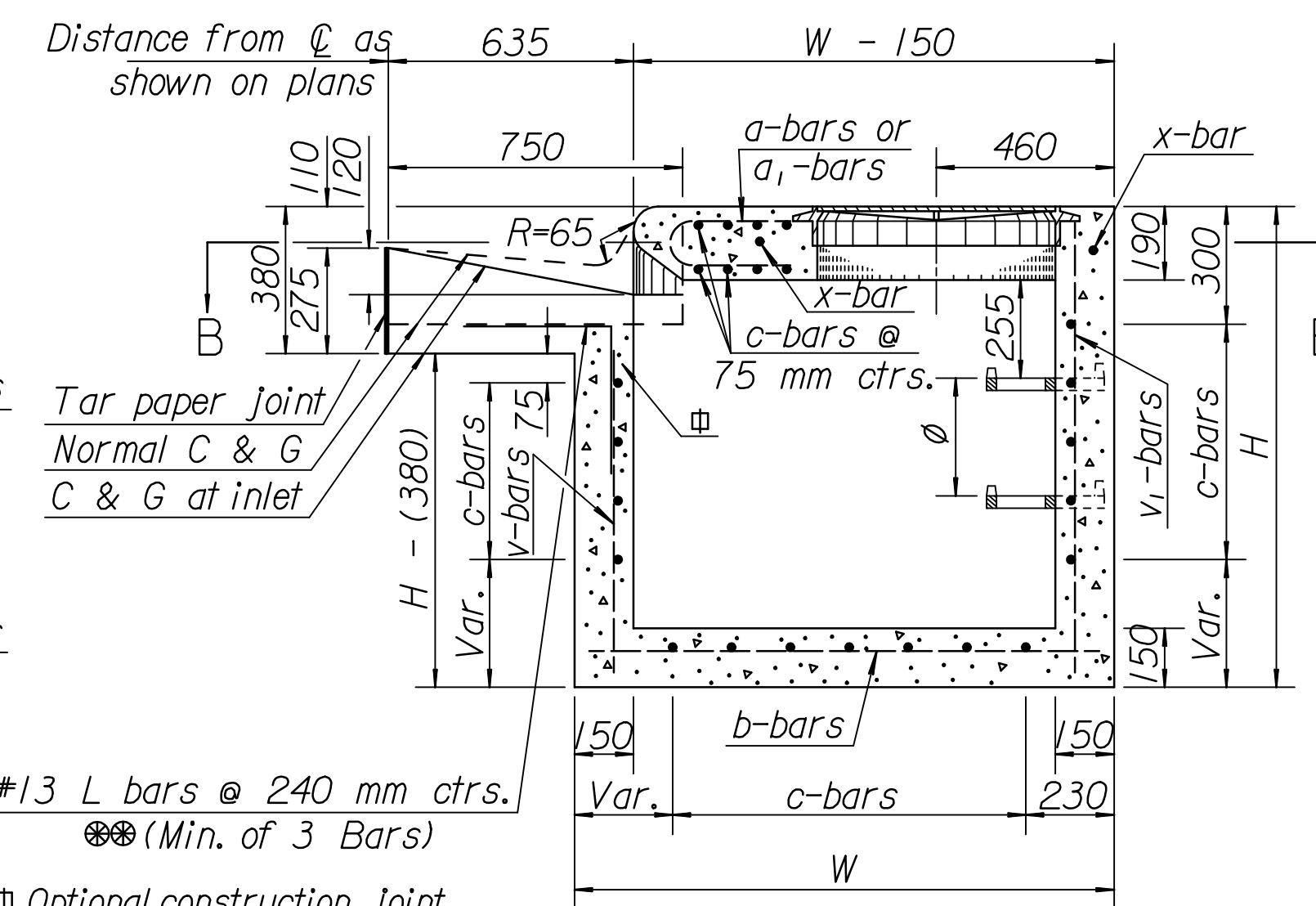
SECTION D-D



SECTION C-C



SECTION B-B



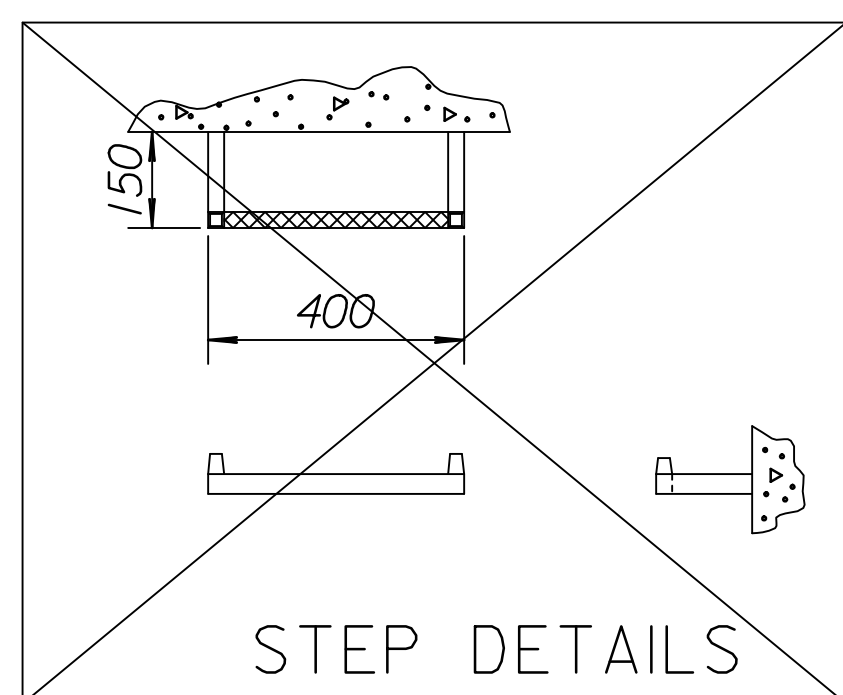
SECTION A-A

#13 L bars @ 240 mm ctrs.
⊗⊗ (Min. of 3 Bars)

Optional construction joint (or tar paper joint if gutter is constructed free from inlet).

Steps shall be uniformly spaced. Spacing shall be 300 mm minimum and 420 mm maximum.

Note: All reinforcing shall be #13 at 150 mm centers except where noted. Minimum clear distance to reinforcement shall be 40 mm.



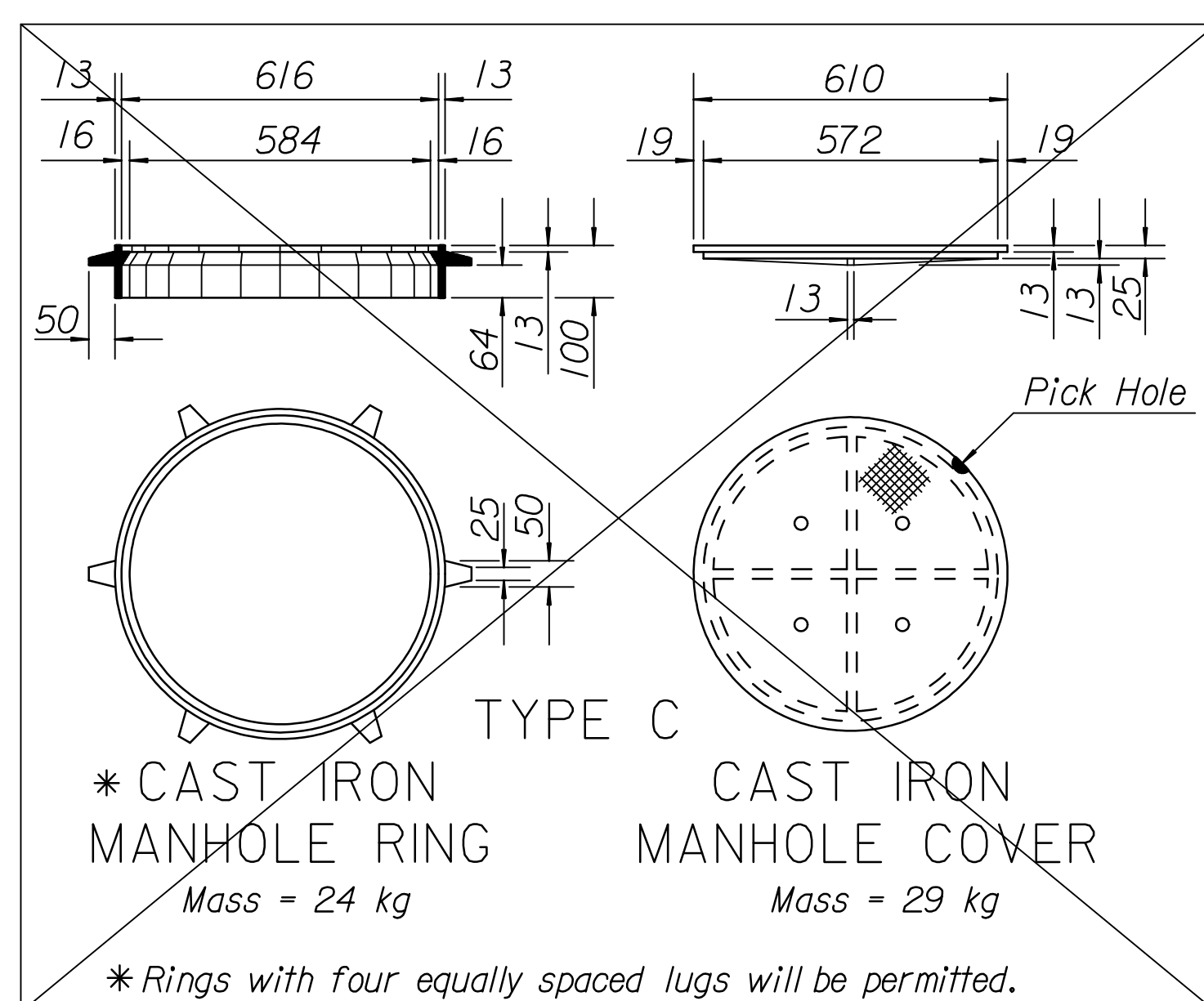
Note: Steps shall not be installed in inlets or manholes on this project.

LENGTH OF INLET (mm)	RADIUS OF RETURN (m)						
	6	8	10	12	14	16	18
1 250	33	24	20	16	14	12	11
1 500	47	35	28	23	20	18	16
1 750	64	48	38	32	27	24	21
2 000		62	50	42	36	31	28
2 250			63	53	45	40	35
2 500				65	56	49	43
2 750					67	59	52
3 000						70	62

At the Contractor's option, gutter may be constructed continuous, L bars omitted, and a 13 mm Expansion Joint installed between gutter and face of inlet and between curb and side of inlet with a tar paper joint between bottom of gutter and top of wall. In this method of construction, the inlet shall be completely free of the gutter and curb.

Hot or cold poured joint sealing compound or premolded Exp. Jt. Filler (Nonextruding, Type B).

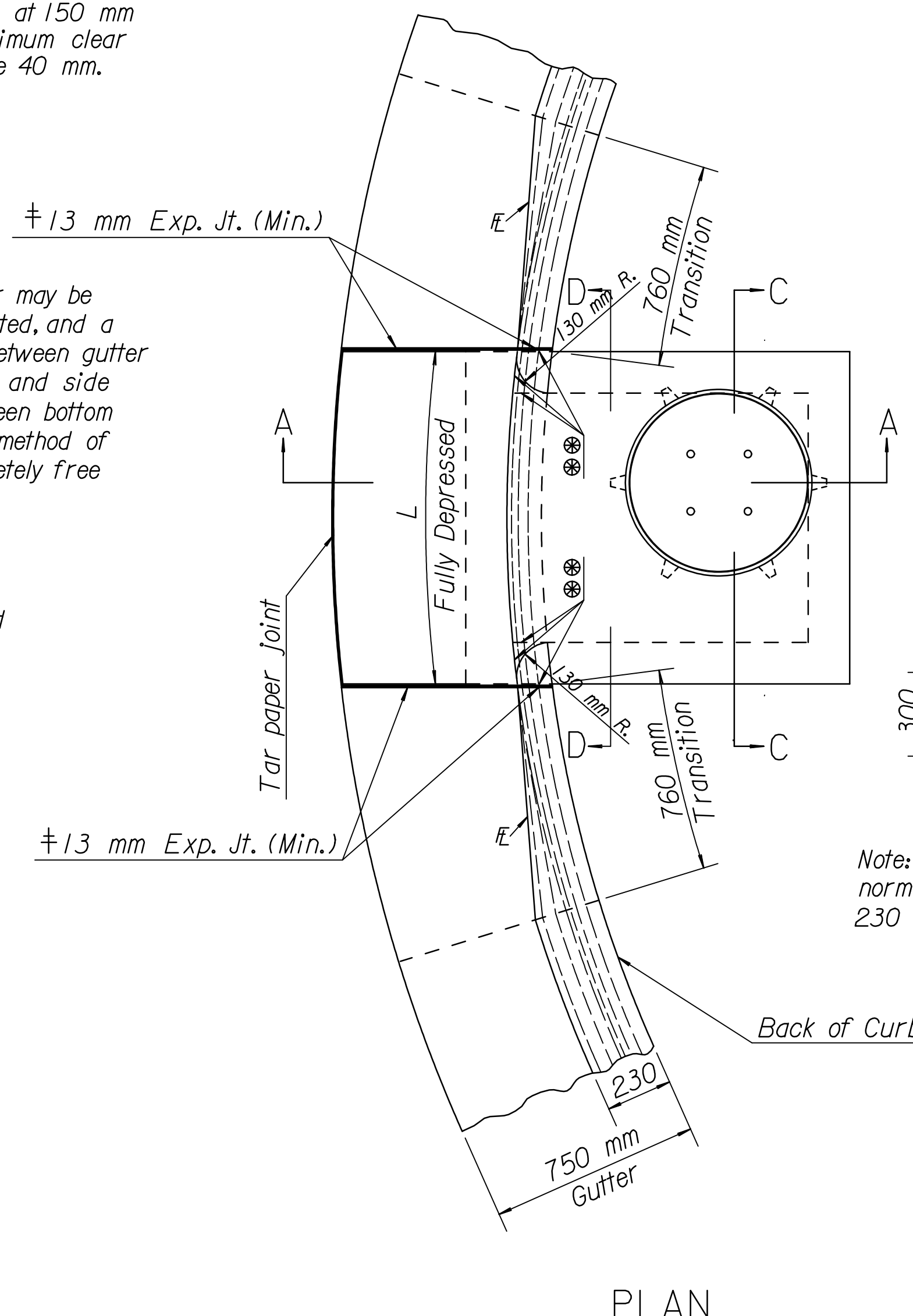
CURB OFFSETS (mm)



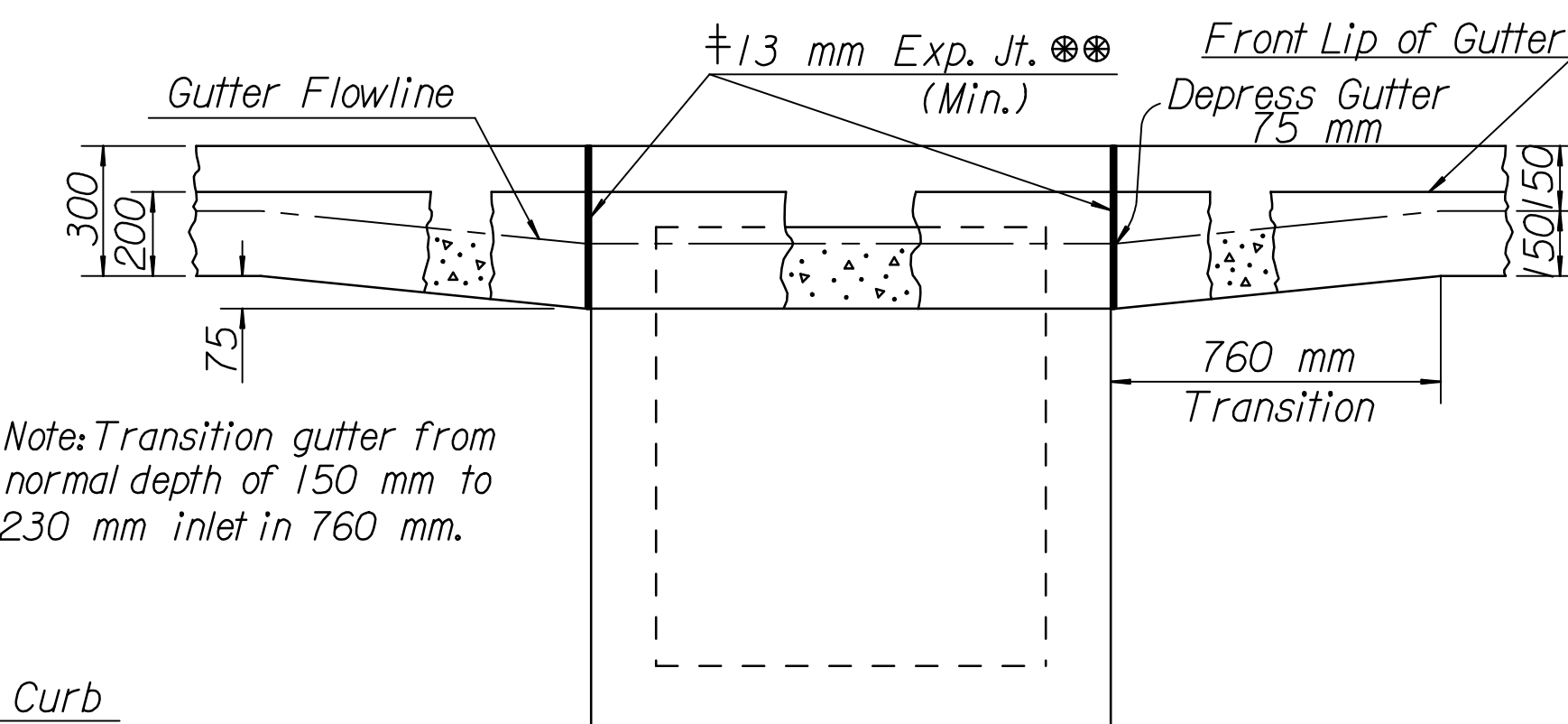
* CAST IRON MANHOLE RING
Mass = 24 kg

* CAST IRON MANHOLE COVER
Mass = 29 kg

* Rings with four equally spaced lugs will be permitted.

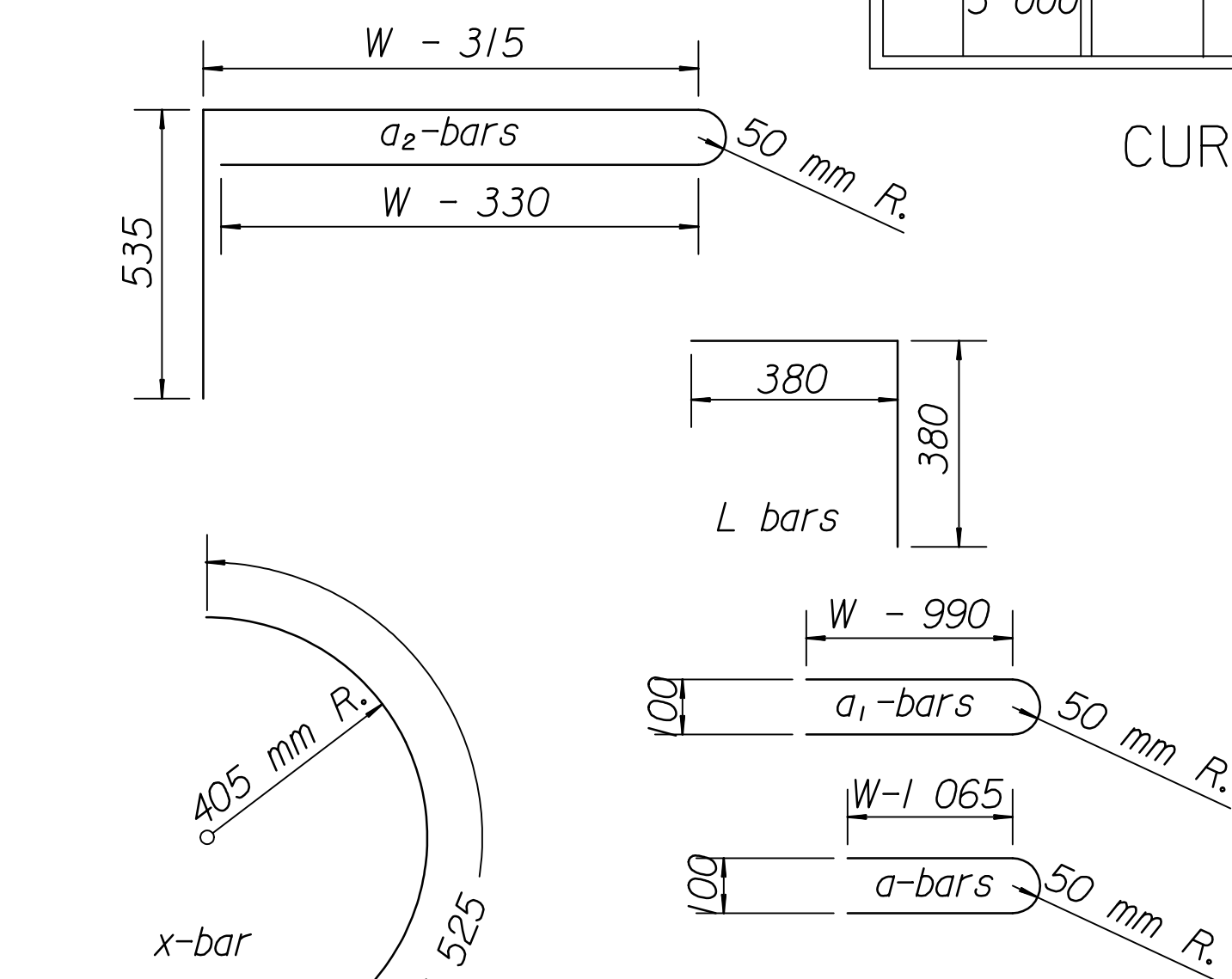


PLAN



ELEVATION

Note: Transition gutter from normal depth of 150 mm to 230 mm inlet in 760 mm.



BENDING DIAGRAMS

Note: Reinforcing steel for L bars is not included in the steel quantity and is subsidiary to the other inlet items.

All dimension are out to out.

RECORD DRAWING

NO.	DATE	REVISIONS	BY	APP'D
4	5-09-00	Revised Gutter width	R.J.S.	J.O.B.
3	12-16-97	Revised Step Spacing	R.J.S.	J.O.B.
2	1-27-97	Revised Rebar Designation	R.J.S.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION				
TYPE 22 RADIUS CURB INLET				
RD747-SI				
DESIGNED	6-12-00	APP'D.	James O. Brewer	
DESIGN CK.	DETAILED	QUANTITIES	TRACED Thompson	
	DETAIL CK.	QUAN.CK.	TRACED CK. Seltz	

Drawn By: gdr
 Plotted: svb 8-13-2001
 File: I:\1997\97362\As-Builts\dgrs\Sh 137-KDOT_Std-RD747SI.dgn
 Last Rev: 8-17-01 By: gdr