

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS		0	0	

GENERAL NOTES
Use Concrete Grade 3.0 ($f'c \geq 3000$ psi) throughout. All exposed edges shall be finished with an edging tool.

Manhole opening and steps, where used shall be placed to afford easy access to top of shaped invert.
All castings shall be grey iron and shall comply with the KDOT Standard Specifications.
When so ordered by the Engineer, the top of the manhole shall be sloped slightly to approximately fit the ground line or other conditions.

Dimensions and weights of cast iron as shown on this sheet are minimum. Larger dimensions and/or heavier weights of cast iron may be used. The weight of castings includes no allowance for fillets and overruns.

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

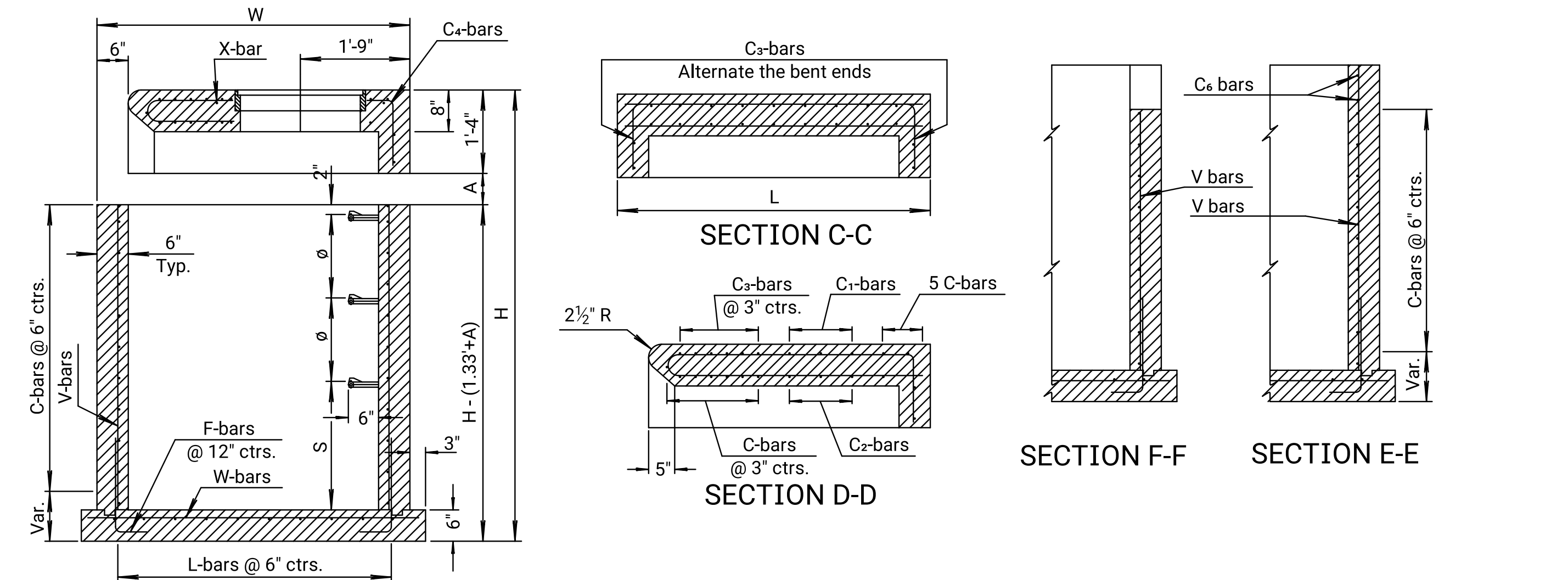
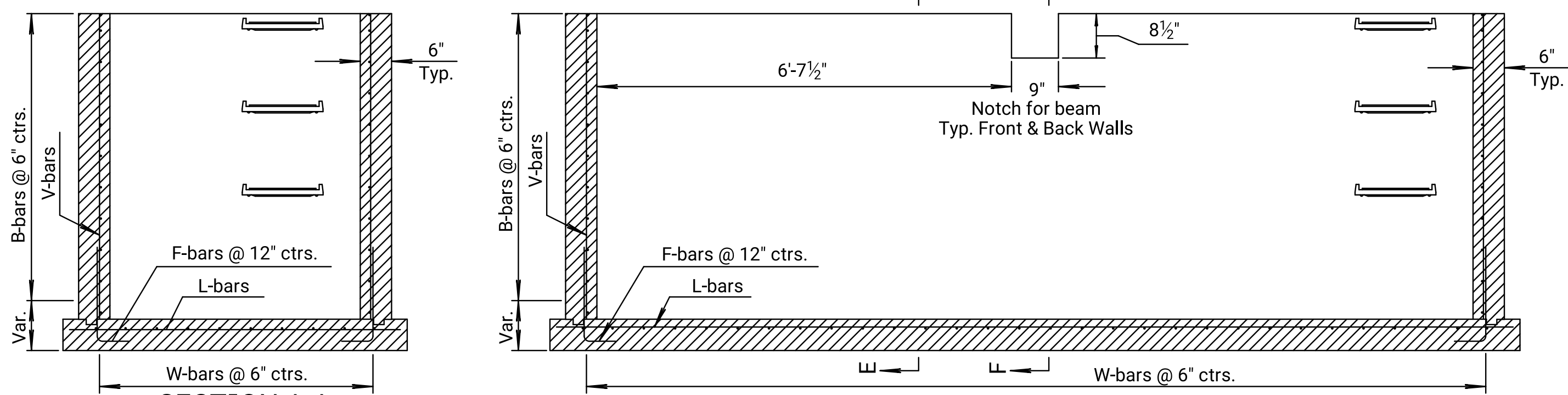
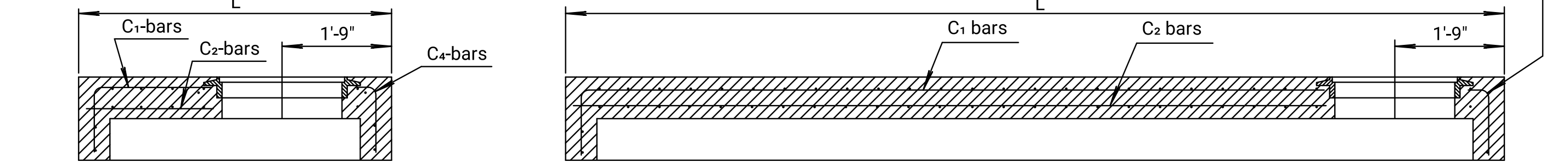
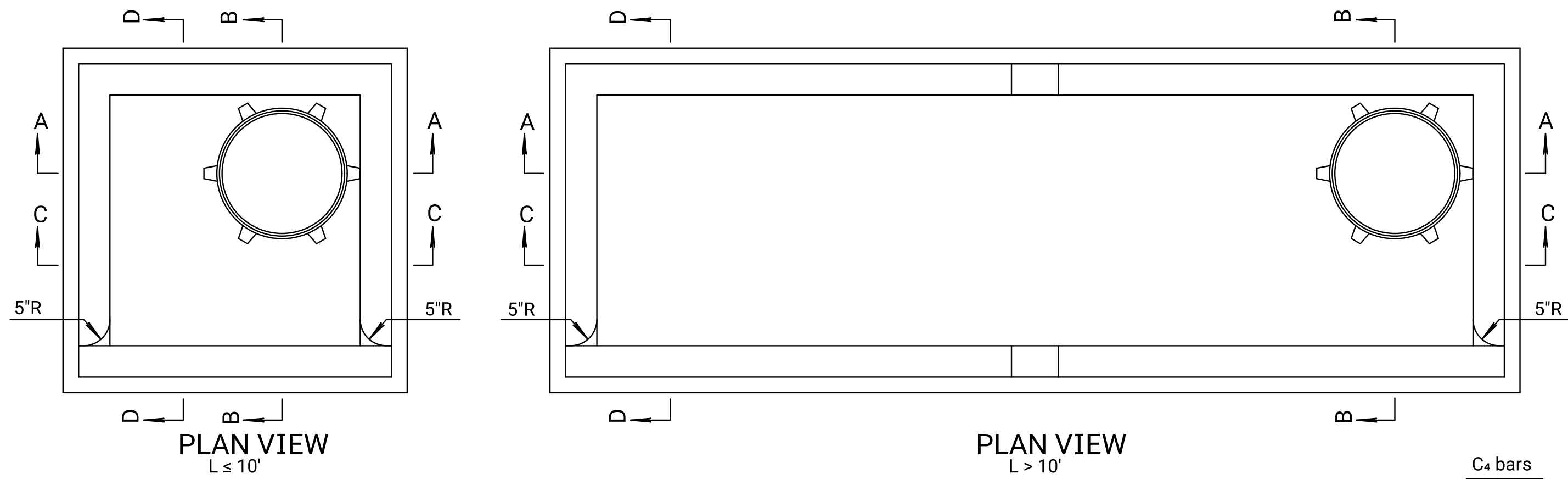
No reduction in pay length of curb, gutter, or curb & gutter will be made through the inlet area.
Curb and Gutter sections shall be shaped as shown where required by the installation of curb inlets. This work shall be subsidiary to other bid items.

For additional notes and details on Light Type Cast Iron Manhole Cover and Ring Type C and Cast Iron Steps, see Standard Drawing RD633 "Reinforced Concrete Manhole".

All reinforcing steel shall be #4 at 6" centers except where noted. Minimum clear distance to reinforcement shall be $1\frac{1}{2}$ ".

Floor of inlet shall be shaped as shown in various "Examples" on Reinforced Concrete Manhole Standard Drawing RD633. Concrete used for shaping shall be unreinforced Concrete Grade 3.0 or concrete pavement mix.

The Contractor shall determine pipe locations in the field prior to ordering Type 22 Precast Inlets, to insure proper positioning of pipe openings.

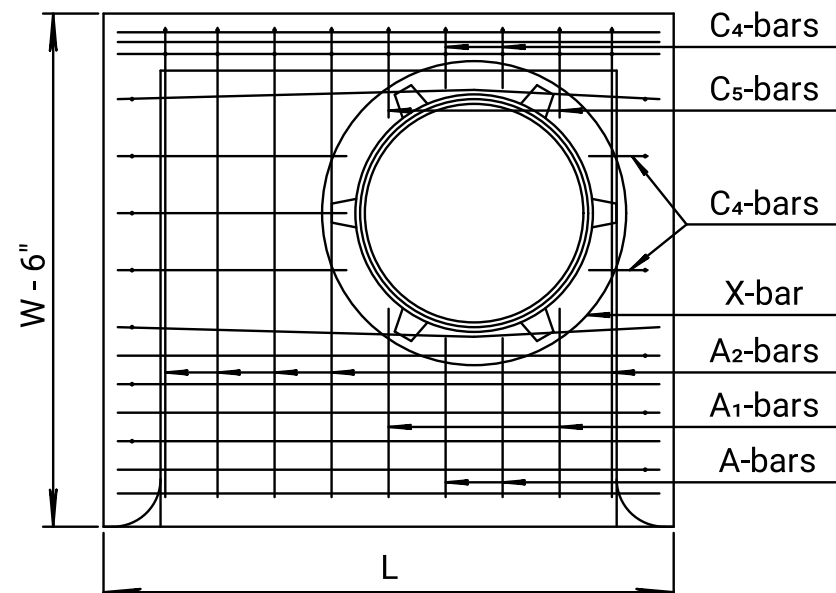
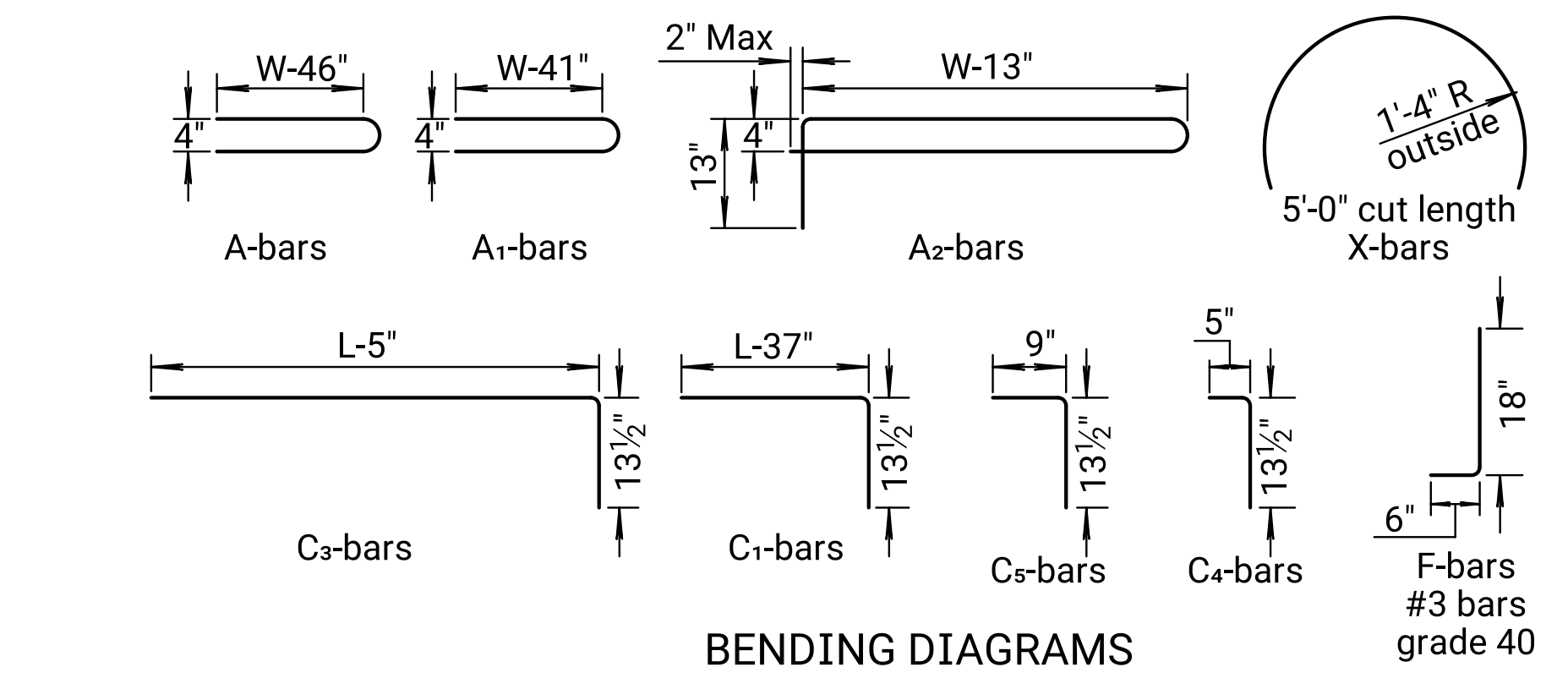
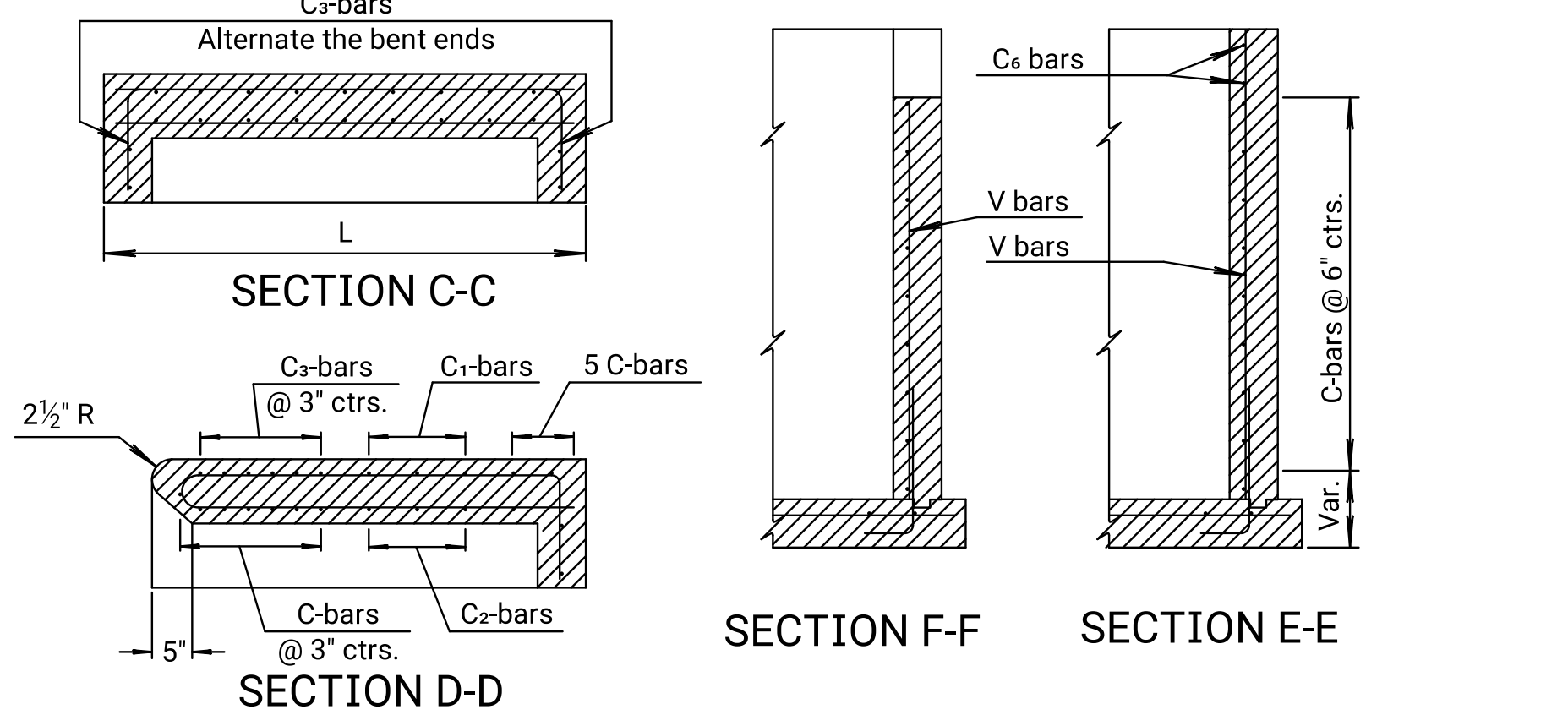


Ø Steps shall be uniformly spaced. Spacing shall be 12" minimum and $16\frac{1}{2}$ " maximum.

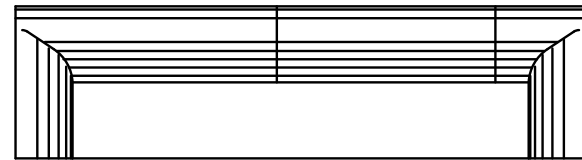
NOTES

"A" Adjustment space, 6" maximum.
(Contractor's option, 1" to 6")
Allows top to be adjusted to finished curb height, or slope top as may be required.

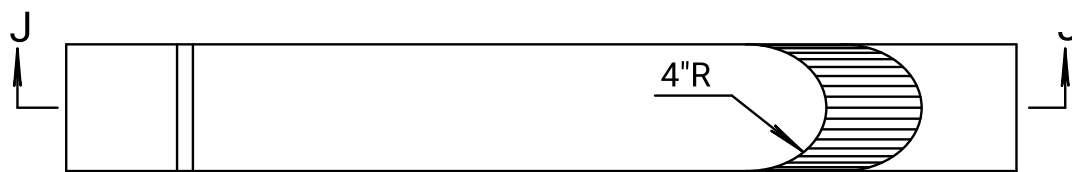
"S" maximum = $2'-3" + \frac{1}{2} \times \text{ID}$ of outlet pipe.



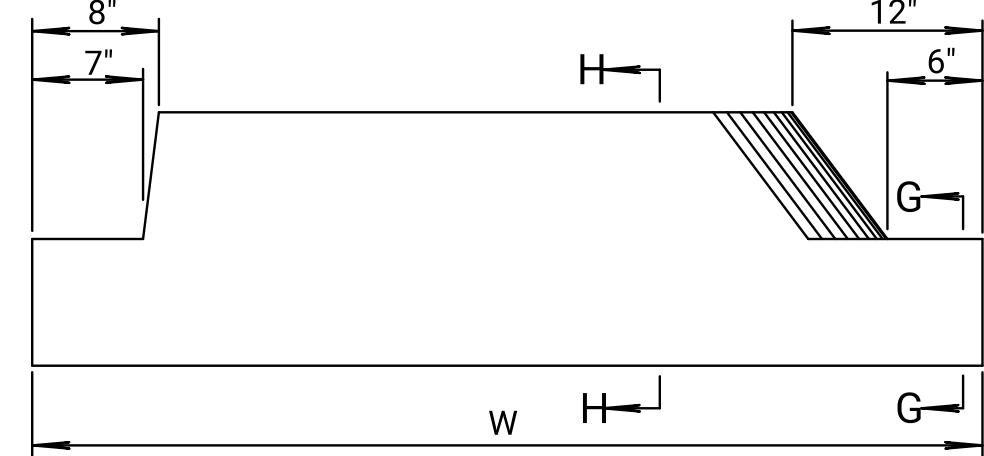
INLET TOP REINFORCING



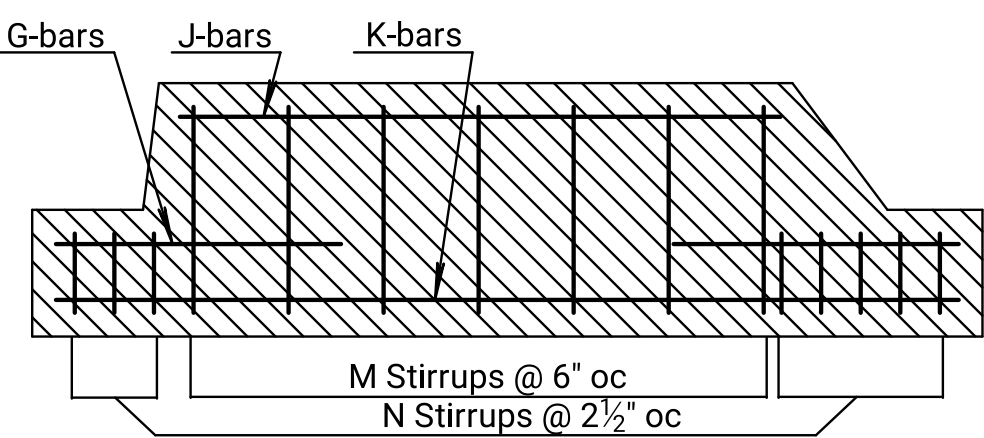
INLET TOP FRONT ELEVATION



PLAN VIEW



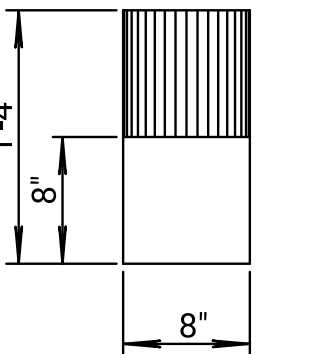
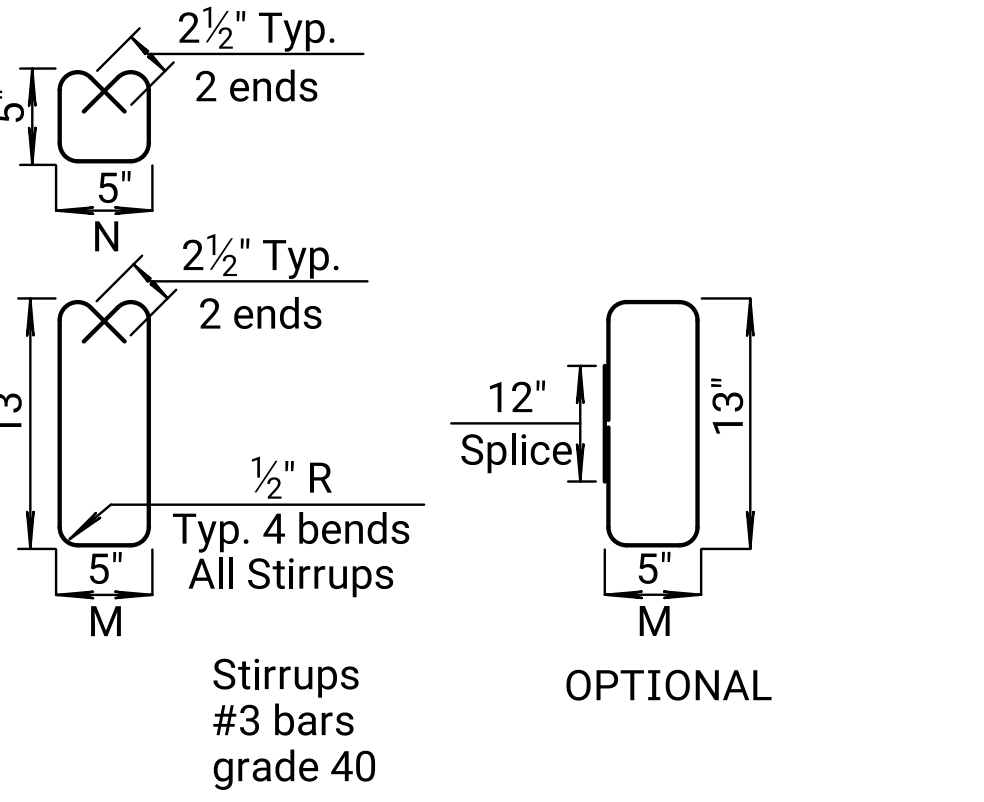
ELEVATION



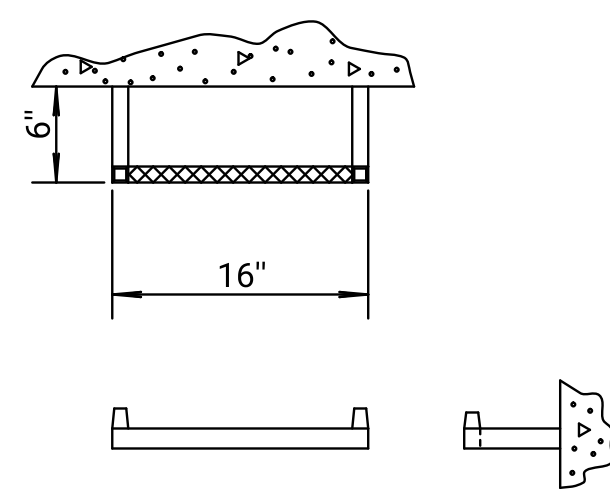
SECTION J-J



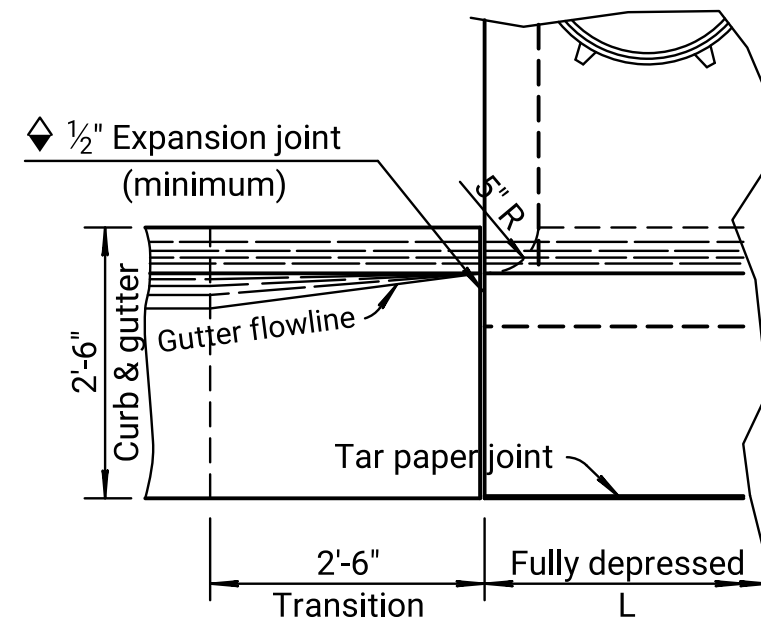
SECTION H-H SECTION G-G
CENTER BEAM DETAILS



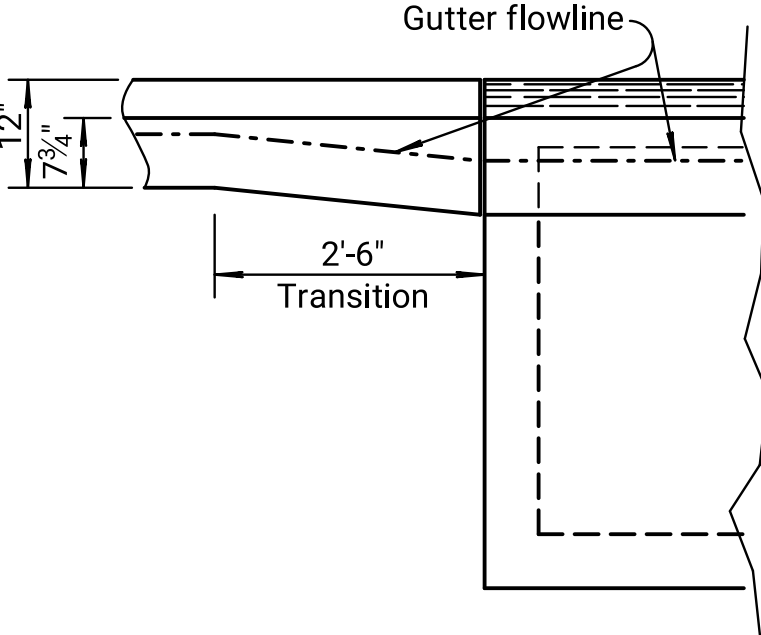
END VIEW



STEP DETAILS

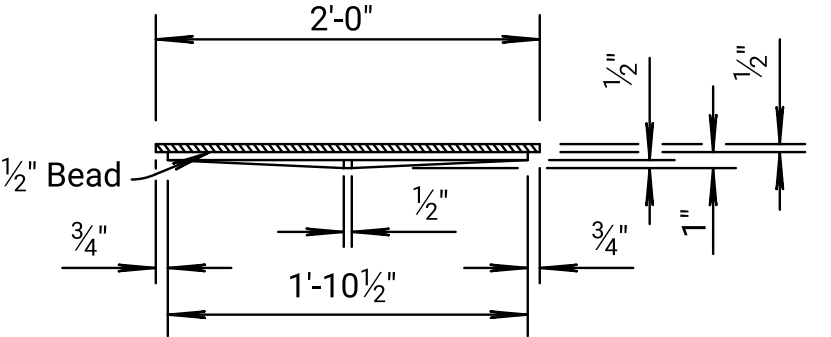


PLAN

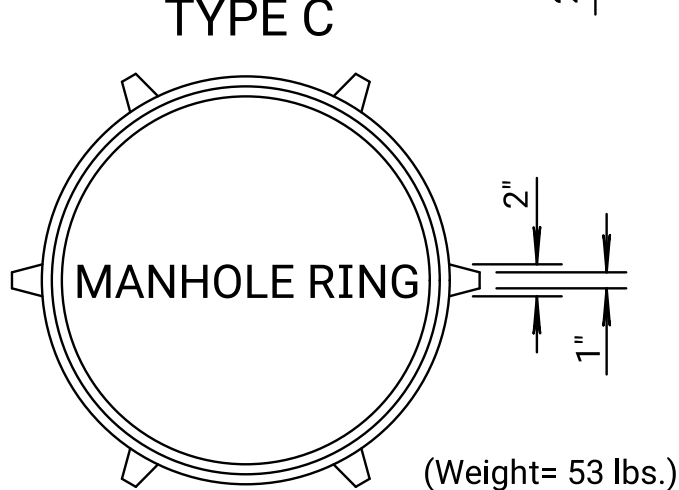
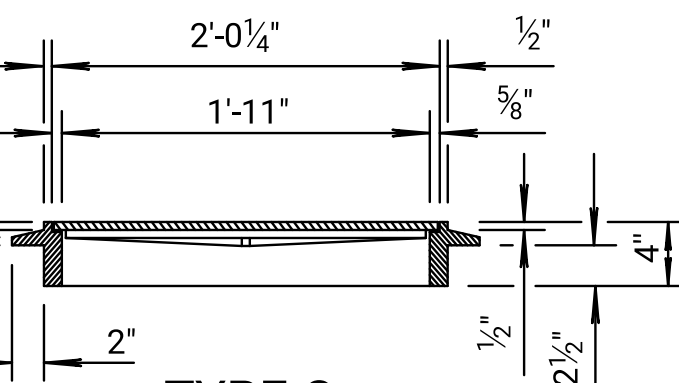
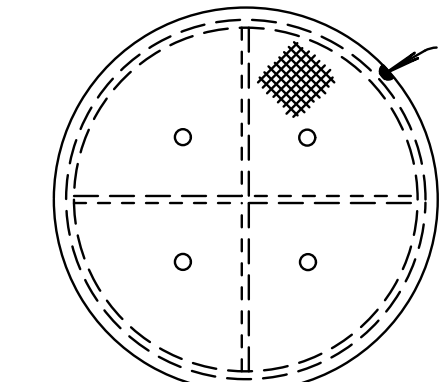


ELEVATION

DETAILS OF GUTTER TRANSITION



MANHOLE COVER TYPE C
(Weight= 64 lbs.)



* LIGHT TYPE
MANHOLE COVER & RING

* Rings with four equally spaced lugs will be permitted.

03	01-28-05	Changed Class to Grade concrete	R.J.S.	J.O.B.
02	11-12-98	Added concrete strength	R.J.S.	J.O.B.
01	12-16-97	Revised step spacing	R.J.S.	J.O.B.
NO.	DATE	REVISIONS	BY	APPD
KANSAS DEPARTMENT OF TRANSPORTATION				
TYPE 22 PRECAST INLETS				
RD649				
FHWA APPROVAL 06-10-05 APPD. James O. Brewer				
DESIGNED	QUANTITIES	TRACED		
DESIGN CK.	DETAIL CK.	QUAN. CK.		