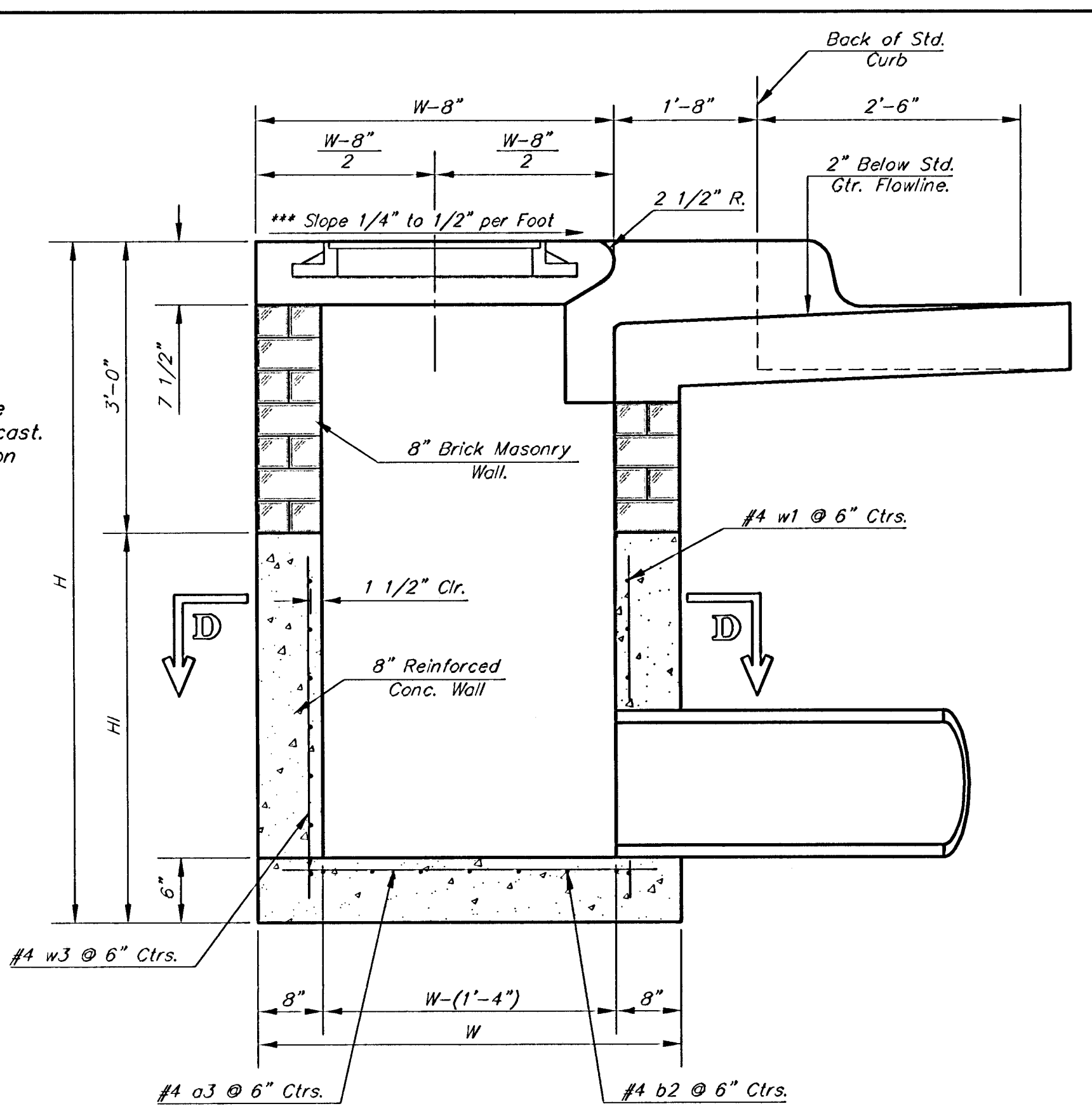
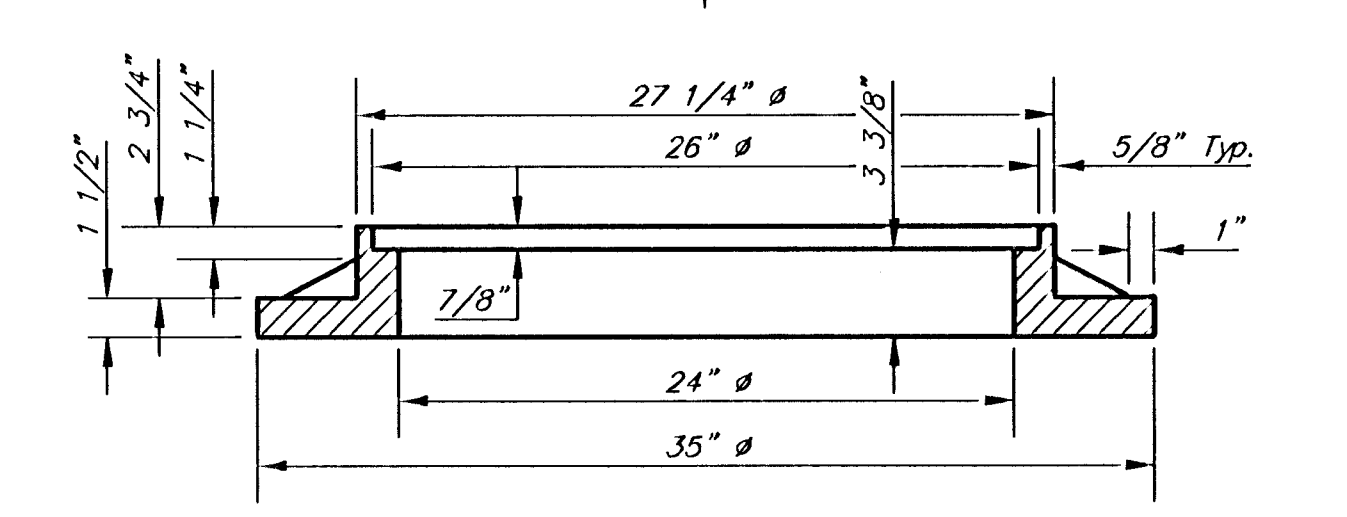


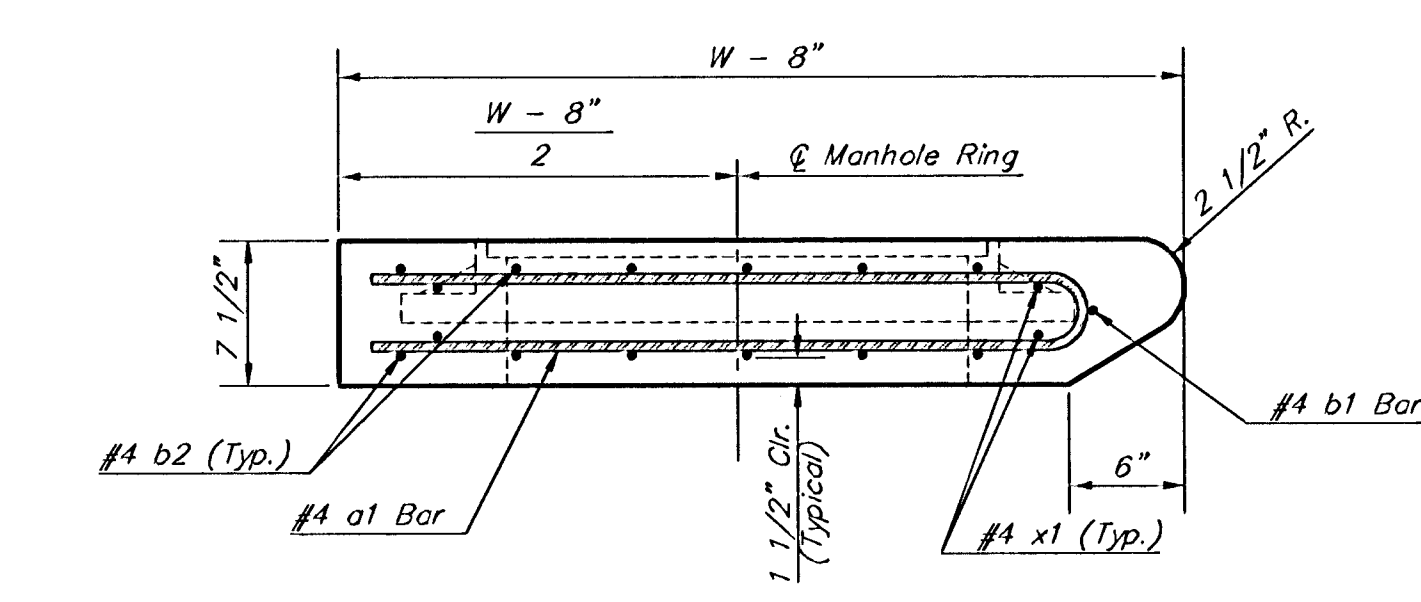


NOTE:
Concrete Tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix with air entrainment.



Weight = 180 Lbs.

**See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.*



***NOTE: Slope of Inlet tops to Match Sidewalk or Parking Slopes within Limits Indicated.

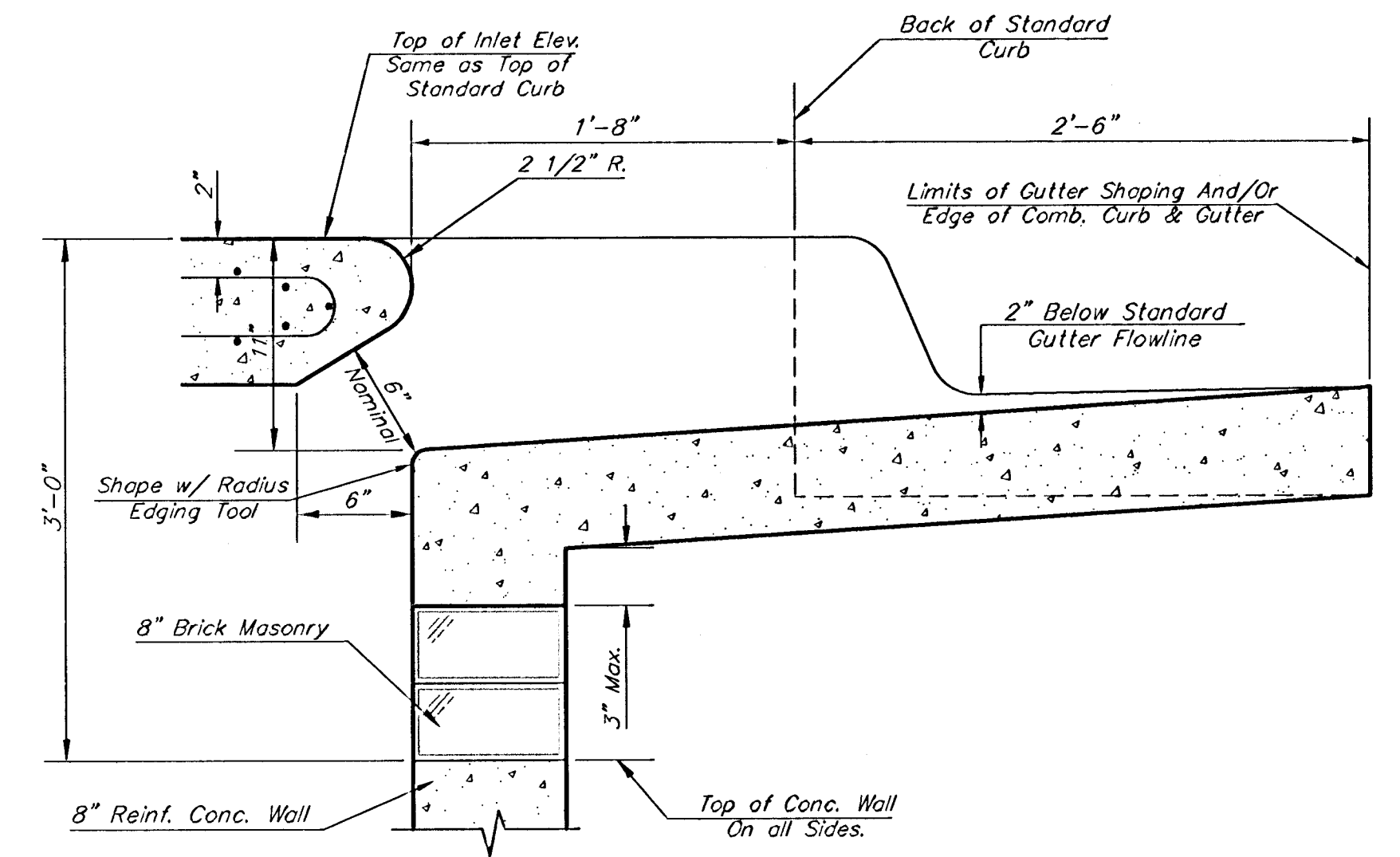


Diagram illustrating the geometry of a semi-elliptical crack in a plate under tension. The crack is defined by the semi-elliptical arc $W - (1 - \gamma^2) = a^2$ and the straight line segment $w - (1 - 3/2\gamma^2) = a^1$. The crack is subjected to a normal stress σ_1 and a shear stress τ_1 . The crack is labeled 2^* O.R. .

3'-6"

5'-0"

3'-6"

8"

8"

2"

INLET TOP

PAVEMENT BY PAVING CONTRACTOR

8"

6'-4"

INLET BOTTOM

8" Reinf. Conc. Wall

Subgrade to be Shaped to Allow for Depression in Pavement.

SECTION E-E

Figure 1: Reinforcement details for a 12' x 12' slab. The diagram shows a cross-section of the slab with a central rectangular reinforcement cage. The cage is composed of #4 bars. The top and bottom horizontal bars are labeled "#4 w3 @ 6" Ctrs. (typ.)" and the side vertical bars are labeled "#4 w1 @ 6" Ctrs.". The cage is surrounded by a concrete slab. The overall dimensions of the slab are 12' x 12'. The reinforcement cage is 10' x 10' in plan view. The vertical distance from the top of the slab to the top of the cage is 8". The vertical distance from the bottom of the cage to the bottom of the slab is 8". The horizontal distance from the left side of the slab to the left side of the cage is 8". The horizontal distance from the right side of the cage to the right side of the slab is 8". The overall width of the slab is labeled "W" and the overall length is labeled "W-(1'-4")". The overall width of the reinforcement cage is labeled "5'-0"" and the overall length is labeled "6'-4"".

NOTE: Contractor shall have the option of constructing 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" and H=7'-0" or less.

Additional curb and gutter construction necessary to connect set-back inlet to pavement will be paid for at the unit price bid for each inlet hookup.

Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self-cleaning between all inlet and/or outlet pipes.

The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall

PRECAST SLAB AND FLOOR REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
* o1	#4	6	6'-2"	6	8'-2"	6	10'-2"	6	12'-2"	6	14'-2"
o2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
o3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
* b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"
WALL REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	32	②	36	②	40	②	44	②	48	②

* Field Bend or Cut Reinforcing as Required for Clearance.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 6'-4" x 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" x 6'-4" x 1/2"	24" & 30"	0.51±
6'-4"	5'-8" x 6'-4" x 1/2"	36" & 42"	0.64±
7'-4"	6'-8" x 6'-4" x 1/2"	48" & 54"	0.77±
8'-4"	7'-8" x 6'-4" x 1/2"	60" & 66"	0.90±