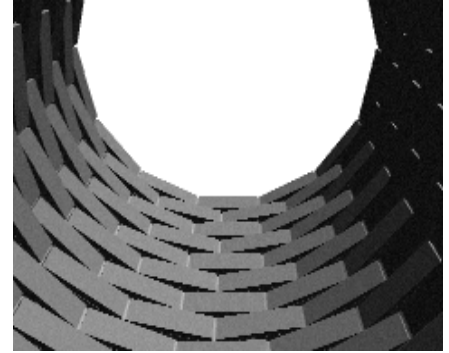


Radial Masonry

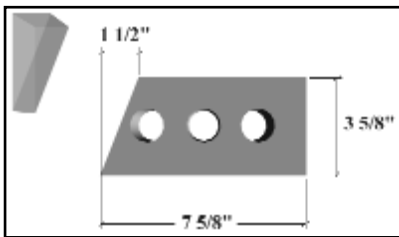
Curved masonry walls can be accomplished in three ways. If the radius is large enough, by laying conventional masonry units to the radial line. The second method is by having special brick units made by the manufacturer. The third way is by cutting on an angle the head of the unit to be laid as per the drawings below. Also shown is a graph showing different sizes of masonry units and the approximate smallest radius possible (without cutting) laid up in stack bond; and, if laid up in running bond, the projection overhang. (There is no overhang in stack bond.) Do not forget the curved horizontal joint reinforcing,—it is locally available, if sufficient lead time and shop drawings of the proposed wall are provided.



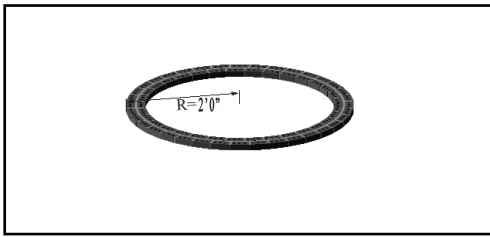
Examples of Radial Masonry Walls

- Example 1 - Inner radius of 1'4" using cut modular brick

Brick is cut to achieve desired radius

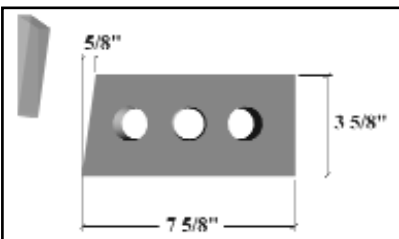


Overall view - Outer R = 2'0" Inner R = 1'4"

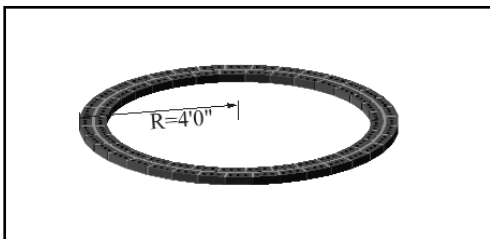


- Example 2 - Inner radius of 3'4" using cut modular brick

Brick is cut to achieve desired radius

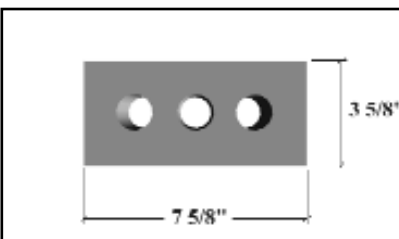


Overall view - Outer R = 4'0" Inner R = 3'4"

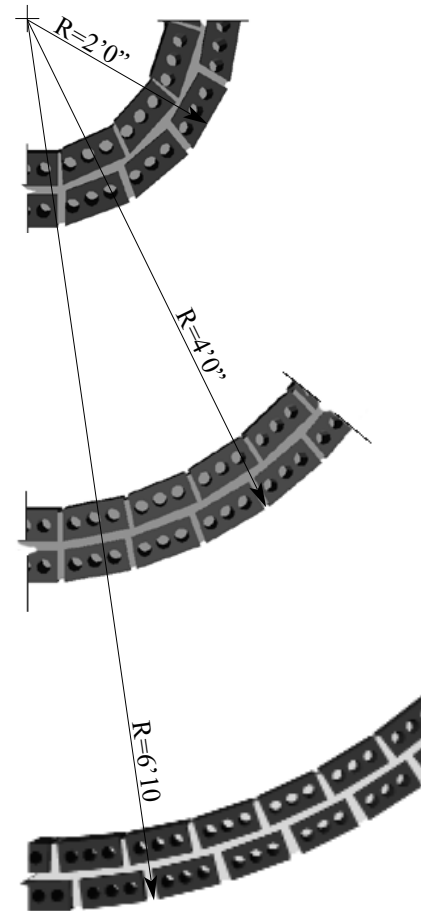
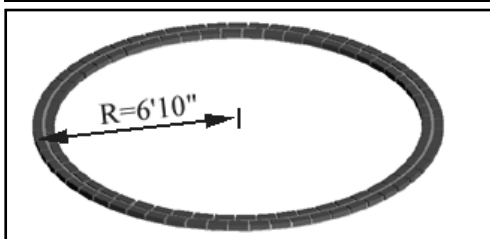


- Example 2 - Inner radius of 6'2" using typical modular brick

Typical modular brick can achieve desired radius



Overall view - Outer R = 6'10" Inner R = 6'2"



Length of Unit (inches)	Depth of Unit (inches)	Smallest Radius (without cutting)	Overhang* (inches)
2 1/4	3 5/8	2' - 2"	1/32
3 5/8	3 5/8	3' - 3"	1/16
7 5/8	3 5/8	6' - 2"	7/64
9 5/8	3 5/8	8' - 1"	1/8
11 5/8	3 5/8	9' - 8"	5/32
7 5/8	7 5/8	8' - 0"	3/32
15 5/8	7 5/8	15' - 10"	5/32

* Overhang projection if running bond (illustrated in the top right image)

