

Modular Brick Sizes and Coursing								
Unit Designation	Nominal Dimensions (in.)			Joint Thickness (in.)	Specified Dimensions (in.)			Vertical Coursing
	W	H	L		W	H	L	
Modular	4	2-2/3	8	3/8 1/2	3-5/8 3-1/2	2-1/4 2-1/4	7-5/8 7-1/2	3 courses = 8 in.
Engineer modular	4	3-1/5	8	3/8 1/2	3-5/8 3-1/2	2-3/4 2-13/16	7-5/8 7-1/2	5 courses = 16 in.
Closure modular	4	4	8	3/8 1/2	3-5/8 3-1/2	3-5/8 3-1/2	11-5/8 11-1/2	1 course = 4 in.
Roman	4	2	12	3/8 1/2	3-5/8 3-1/2	1-5/8 1-1/2	11-5/8 11-1/2	2 courses = 4 in.
Norman	4	2-2/3	12	3/8 1/2	3-5/8 3-1/2	2-1/4 2-1/4	11-5/8 11-1/2	3 courses = 8 in.
Engineer Norman	4	3-1/4	12	3/8 1/2	3-5/8 3-1/2	2-3/4 2-13/16	11-5/8 11-1/2	5 courses = 16 in.
Utility	4	4	12	3/8 1/2	3-5/8 3-1/2	3-5/8 3-1/2	11-5/8 11-1/2	1 course = 4 in.
	4	6	8	3/8 1/2	3-5/8 3-1/2	5-5/8 5-1/2	7-5/8 7-1/2	2 courses = 12 in.
	4	8	8	3/8 1/2	3-5/8 3-1/2	7-5/8 7-1/2	7-5/8 7-1/2	1 course = 8 in.
	6	3-1/5	12	3/8 1/2	5-5/8 5-1/2	2-3/4 2-13/16	11-5/8 11-1/2	5 courses = 16 in.
	6	4	12	3/8 1/2	5-5/8 5-1/2	3-5/8 3-1/2	11-5/8 11-1/2	1 course = 4 in.
	8	4	12	3/8 1/2	7-5/8 7-1/2	3-5/8 3-1/2	11-5/8 11-1/2	1 course = 4 in.
	8	4	16	3/8 1/2	7-5/8 7-1/2	3-5/8 3-1/2	15-5/8 15-1/2	1 course = 4 in.

Figure 3-6 Modular brick size and coursing table.

before 1946–1947, when modular coordination was adopted, had actual heights of 2¼ in. (designed to lay up three courses to 8 in.). This size is still widely available so that in renovation or restoration work, coursing heights can be effectively matched.

One of the first oversize brick units was introduced by the Brick Industry Association (BIA). The SCR brick was developed for use in singlewythe, 6-in. loadbearing walls. Larger brick sizes have also increased labor production. Although a mason can lay fewer of the large units in a day, the square footage of wall area completed is greater, less mortar is required, and projects are completed faster.

In addition to the common rectangular cut, brick may be formed in many special shapes for specific job requirements. Some of the more commonly used items include square and hexagonal pavers, bullnose and stair tread units, caps, sills, special corner brick, and wedges for arch construction (see Fig. 3-8). Unique custom shapes may be available on request from some manufacturers, but can be expensive to produce depending on the size of the order. The color of special-shape bricks may not exactly match the standard-shape units in a

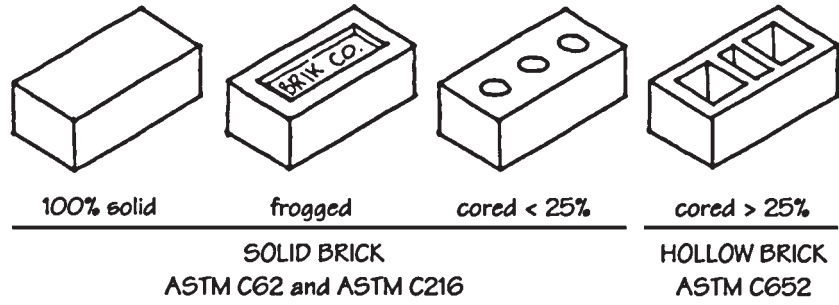
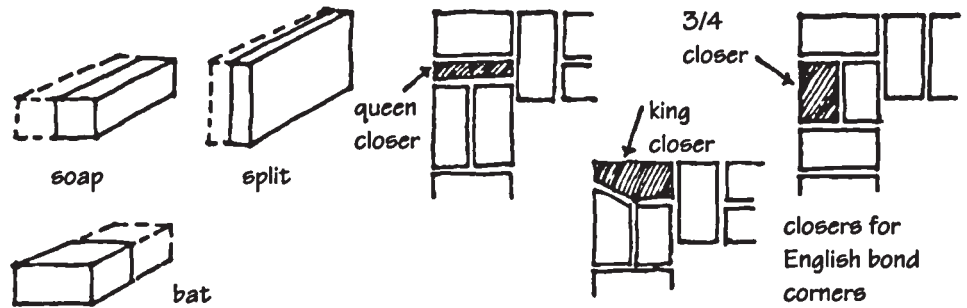


Figure 3-7 Solid brick and hollow brick.

JOB-CUT SHAPES



SPECIAL MANUFACTURED SHAPES

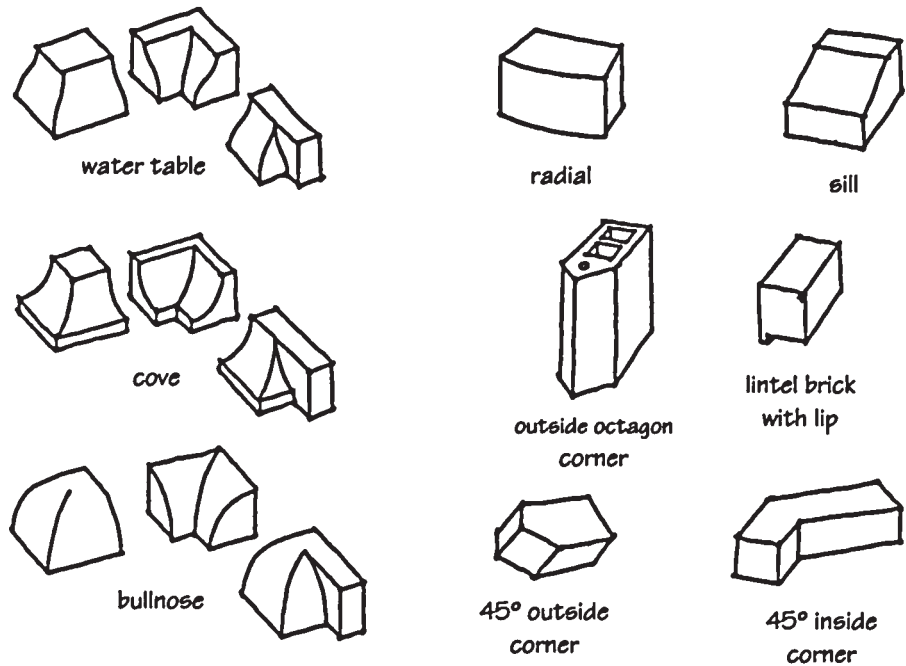


Figure 3-8 Job-cut and special manufactured brick shapes.