



BEST

CAST BRICK



The Beautiful Look of Brick

The practical benefits of single-wythe CMU

Cast Brick are specially manufactured concrete masonry units used to build single wythe, load bearing masonry walls that simulate the look of brick but saving approximately 30% of your wall cost and 50% of your project time.

Cast Brick has been used on projects that still look great and function well after 20 years of extreme exposure.



Cast Brick's unique texture and consistent color ranges have satisfied requirements on a wide variety of projects including: site walls, office, retail, and multi family housing.



BEST BLOCK COMPANY

Servicing the Building Industry with Quality, Integrity and Value....Since 1945



FEATURES AND BENEFITS

Best Block has developed special mix designs and manufacturing methods to produce a unique product, *Cast Brick* with texture and controlled color ranges that offer the appearance of brick and the practical advantages of single-wythe concrete masonry.

Esthetics

Unique colors and textures

Beauty of Brick

Variety of Colors

Both sides of wall may be exposed with same look

Soldier Courses and other accents

Cost

Approximately 30% savings from brick veneer with backup.

Elimination of structural steel.

Just over two units per SF instead of three utility or seven modular brick

Speed

Walls go up fast and easy and are done once cleaned and insulated.

No need to wait for structural steel.

Short lead time from date of order to delivery to site.

Function

The excellent durability, safety, security, low maintenance, life-cycle cost, fire resistance, sound deadening and design flexibility of single wythe architectural concrete masonry walls

Design

Flexibility and simplicity of single wythe CMU walls

Bond beams, return corners and sash units included in standard cubes

Available in 4x4x16 solid veneer units, 8x4x16 and 12x4x16 thru wall units.

Three score 8x16 units with same bed depths available to simulate soldier course

Compatible with split face and ground face CMU accents or wainscots



RELATIVE WALL COSTS

Relative wall costs for the various walls computed based on typical designs using Detroit area material and union labor rates. Actual cost will vary due to many variables.

Wall Description*	Wall Cost
Brick Veneer on CMU backup	\$ 25.75 /SqFt
Brick Veneer on Steel Stud backup	\$ 30.87 /SqFt
<i>Cast Brick</i> single-wythe masonry wall	\$ 19.65 /SqFt

*Assumptions for all wall types: Wall Height: 20 ft; CJ/EJ spacing: 20 ft; Reinforcing: #5 bars @ 48" OC

Actual case histories confirm a typical savings of approximately 30% when compared with a Brick Veneer on either CMU or Steel Stud backup.

PHYSICAL PROPERTIES

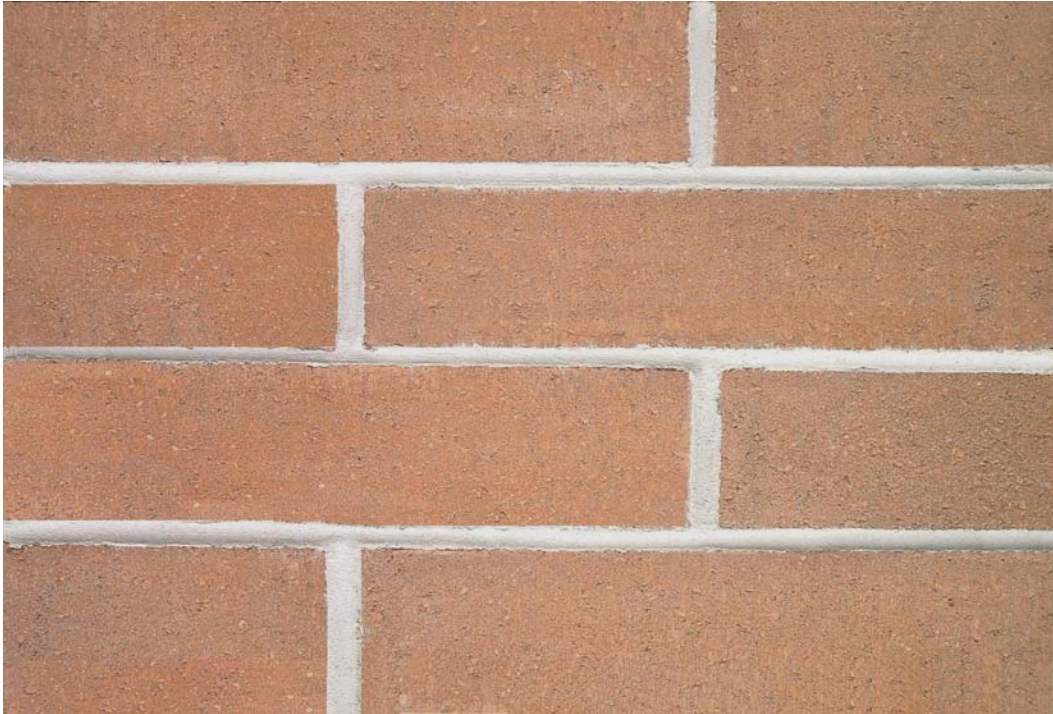
ASTM Standard: ASTM C 90

Typical Values of standard 8"x 4"x 16" (Nominal) Cast Brick Units

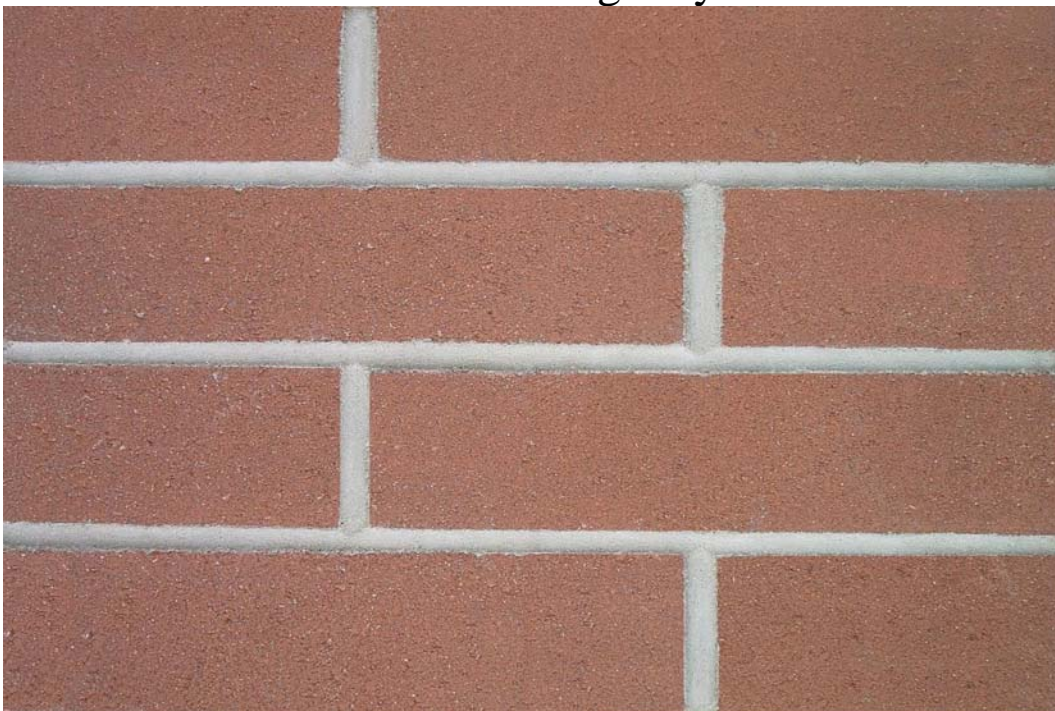
Property	ASTM Standard	Typical Value
Weight Classification		Normal Weight
Net Compressive Strength	1900 psi (min)	4200 psi
Absorption	13 pcf (max)	8 pcf
Face shell thickness	1.25" (min)	1.32"
Web Thickness	1 in (min)	1.1 in
Equivalent web thickness	2.25 in (min)	2.63 in
Net Cross Sectional Area		65.2 sq in
Percent Solid		54.4 %
Equivalent Thickness		4.15 in
Unit Weight		19 lbs

STANDARD COLORS

B-51 Tweed



D-9 Burgundy



STANDARD COLOR BLENDS

E – 1 Red Flashed



E – 4 Black and Tan



E – 11 Red Range



E – 12 Full Range



E – 20 Red-Orange



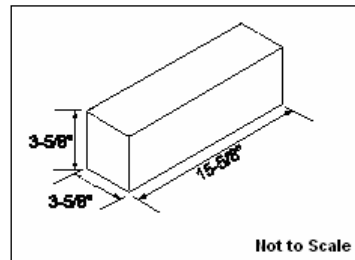
STANDARD SHAPES & SIZES

Standard Sizes

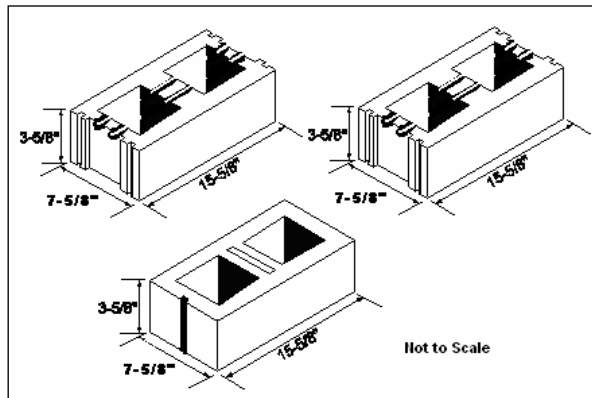
Cast Brick face dimension are nominal 4"x 16" and available in 8" or 12" bed depth for single wythe and 4" solid for veneers.

4" Solid Cast Brick

4" x 4" x 16" Cast Brick are solid and are used for veneers.



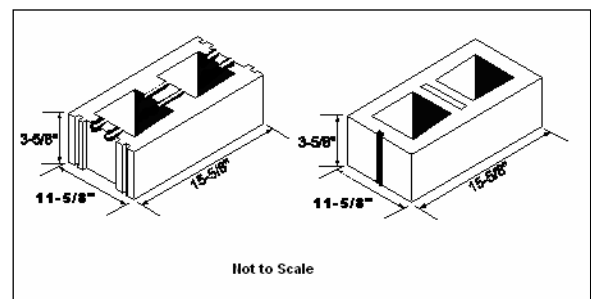
8" Cast Brick



In each standard cube of 8"x 4"x 16" Cast Brick, two thirds of the units are stretchers that have two notches in each web to accommodate re-rod and grouting for horizontal, open bottom bond beams. The remaining third of the units are splittable Jamb/Sash units to build corners and control joints.

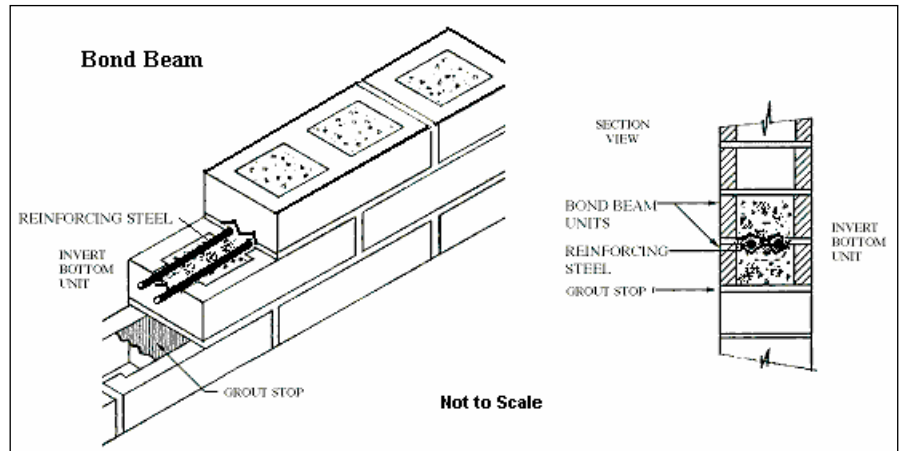
12" Cast Brick

In standard cubes of 12"x 4"x 16" Cast Brick, half of the units are stretchers that have two notches in each web to accommodate re-rod and grouting for horizontal, open bottom bond beams. The remaining half of the units are splittable Jamb/Sash units to build corners and control joints.



Building Bond Beams from standard units

Bottom course is laid with V grooves up. Reinforcing rod is laid into the grooves. Next course is laid with V grooves down over the reinforcing rod. This provides enough clearance to allow good coverage of grout around the rods.



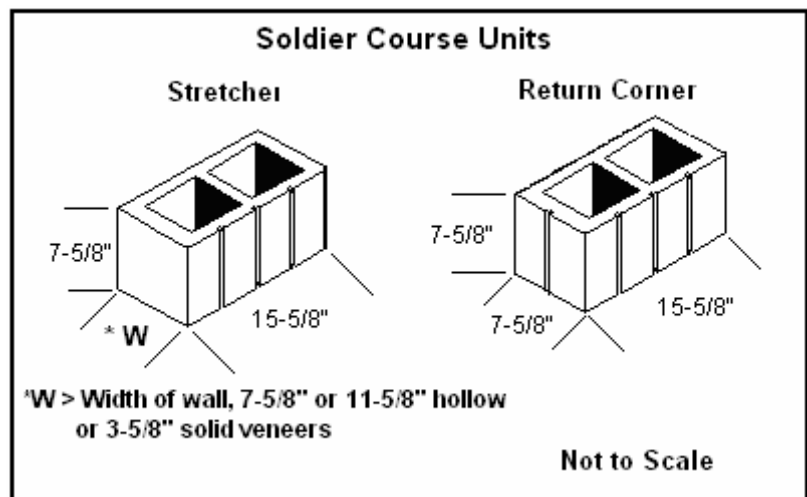
SPECIAL UNITS

Single Scored Units

For projects that cannot accommodate the 4" x 16" scale, units can be produced with a single score. Scored units should be laid in 3/4 bond and the scores tuck pointed with mortar to give the appearance of a 4" x 8" Closure brick.

Soldier Courses

Soldier courses are laid using 8x16 faces with three scores, then tuck pointed with mortar to simulate four 4x8 "closure brick. Units are same bed depth as wall ie: 8"; 12" and 4" veneer.



Other shapes are available on special request.

PROJECT PHOTOS



Mannick & Smith Office
Canton, MI



Polo Grounds Golf Course
Ann Arbor, MI

If you want the **Cast Brick Look** -- Do not accept “equivalents”

Best Block’s specialized methods produce a texture and “consistent random” range of color that more closely simulates the natural beauty of brick.

I 696 Sound Wall; with **Best Block Cast Brick**

Same Application

Same Specification

Same Contractor

Equivalent Cost

Equivalent Time



“Equivalent” Products ?

I 94 Sound Wall; with **competitor’s variegated units**

Both walls shown were constructed by the same Mason Contractor to the same M-DOT specification within a few months of each other. Top photo is of wall using Best Block Cast Brick. Lower photo is competitor’s “equivalent” variegated units.



REGENCY SHOPPING CENTER



Project: **Regency Center Shopping Plaza**
Location: Independence Township
Sashabaw Rd; West of I-75
Architect: Jeffrey Scott Architects
Mason: D'Aloisio Masonry
Products: E-11 Cast Brick
Wainscot: Split Face CMU color A32



ESSEX OFFICE CENTRE



Project:	Essex Office Centre
Location:	Canton, MI Canton Center Rd, North of Ford Rd
Architect:	Bowers + Rein Assoc.
Mason:	Masonry Developers
Products:	E-11 Cast Brick
Wainscot:	A 32 Split Face CMU



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