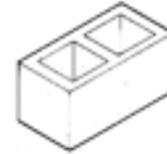




8615 Robben Road  
Dixon, CA 95620  
(707)-678-3465  
[www.castleliteblock.com](http://www.castleliteblock.com)

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# Precision Concrete Masonry Units



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## Introduction to Precision Concrete Masonry Units

Precision concrete masonry units (CMU) are the most widely utilized type of concrete block. They have square edges and a smooth texture that people most commonly associate with concrete block.

When specifying concrete masonry units, the dimensions are indicated in the following manner: width x height x length. Dimensions of precision masonry units are usually expressed in terms of their nominal size, which is  $\frac{3}{8}$  of an inch greater than their actual size. This  $\frac{3}{8}$  of an inch difference accommodates the standard  $\frac{3}{8}$  inch mortar joint that is utilized with precision units. For example, a unit with the nominal dimensions of 8" x 8 x 16" would have actual dimensions of  $7\frac{5}{8}$ " x  $7\frac{5}{8}$ " x  $15\frac{5}{8}$ ".

## Applicable Standards and Quality Assurance

The precision concrete masonry units manufactured by CastleLite Block, LLC comply with the requirements of ASTM-C90 and section 21-4 of the uniform building code. CastleLite Block maintains an inventory of Precision CMU in both lightweight and medium weight units. Normal weight units, also known as heavyweight units, are available as a special order item.

CastleLite Block, LLC participates in a testing program in which an independent laboratory randomly samples and tests our concrete masonry units.

## Available Colors for Precision Block

CastleLite Block, LLC stocks a wide variety of precision units in natural grey (Color No. 110) and stock tan (Color No. 145) colors. A wide variety of custom colors may be special ordered. You can view our special order colors by visiting our website. Please contact your CastleLite Block representative for more information regarding custom colors. Please note that a lead time of 6 to 8 weeks should be allowed for shipment of custom-colored units.

The raw materials utilized in the manufacture of concrete masonry units are subject to natural variations in color which affect the color of the finished product. It is important that our customers understand that color can be guaranteed only to a range of color. Even natural grey units, which are manufactured without pigments, may have a noticeable shade variations from run to run.

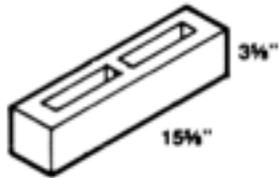
### **Available Sizes of Precision Block**

Precision units are readily available in 4-inch and 8-inch heights. Available widths include 4-inch, 6-inch, 8-inch, 12-inch and 16-inch. Please note that 10-inch wide units are available by special order only.

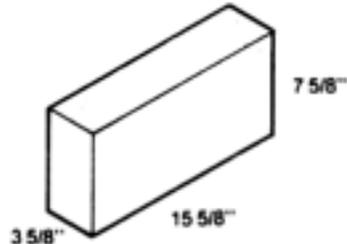
The pages immediately following this page illustrate many of the available shapes and sizes of precision block. CastleLite Block, LLC is constantly adding new items to its product line. Please call our office at 707-678-3465 if you have questions regarding additional shapes and sizes.

**4" WIDE** PRECISION

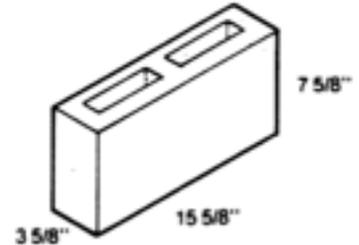
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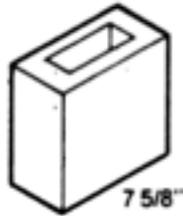
**4x4x16 Standard**



**4x8x16 Solid Veneer  
( Special Order )**



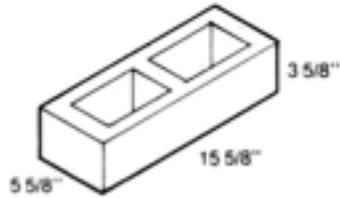
**4x8x16 Standard**



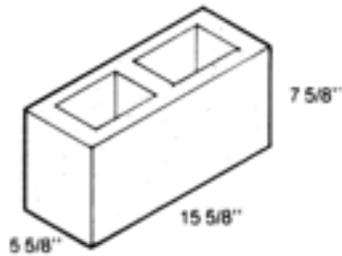
**4x8x8 Half**

**6" WIDE**

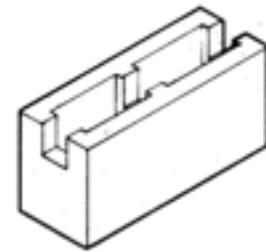
**PRECISION**



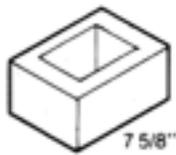
**6x4x16 Standard**



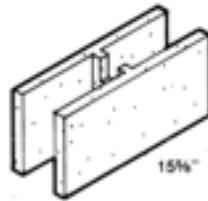
**6x8x16 Standard**



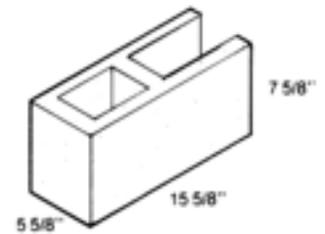
**6x8x16 Bond Beam**



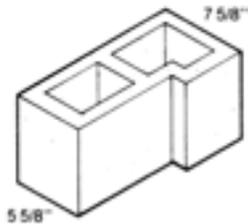
**6x4x8 Half**



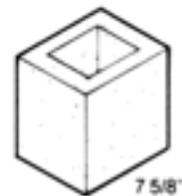
**6x8x16 Double Open End  
Bond Beam  
(Special Order)**



**6x8x16 Standard Open-end  
(Special Order)**



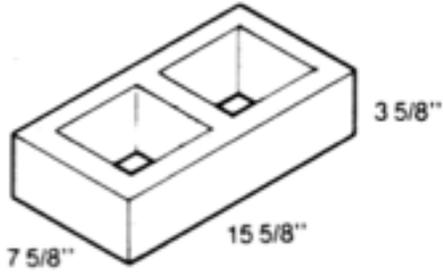
**6x8x16 Return Corner  
(Stock Grey Color  
Tan Color Special Order)**



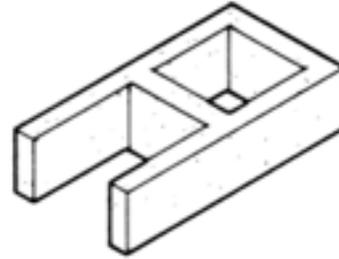
**6x8x8 Half**

**8" WIDE**

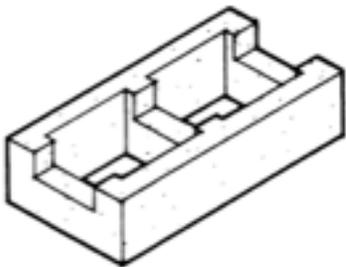
**PRECISION**



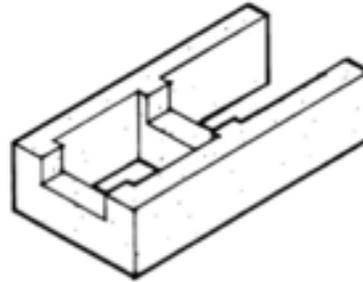
**8x4x16 Standard**



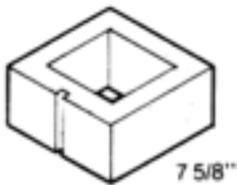
**8x4x16 Open End**



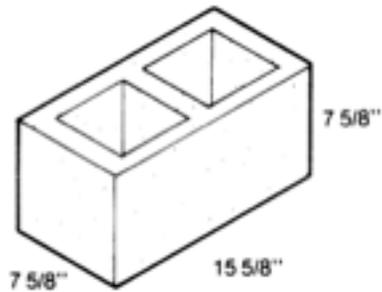
**8x4x16 Bond Beam**



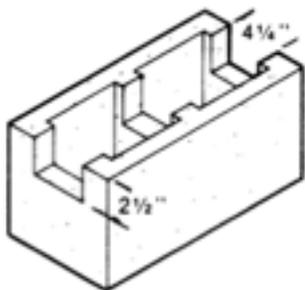
**8x4x16 Open-End  
Bond Beam**



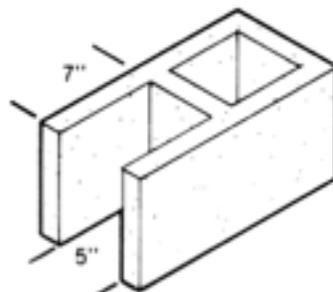
**8x4x8 Half**



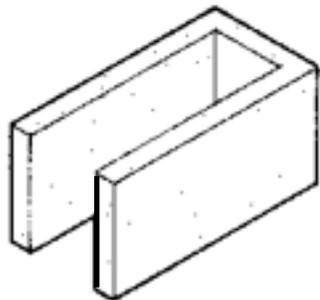
**8x8x16 Standard**



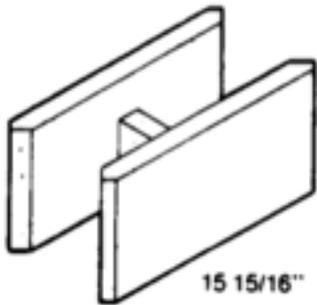
**8x8x16 Bond Beam**



**8x8x16 Open End**

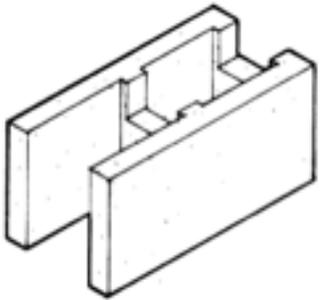


**8x8x16 No-Web Standard  
(Special Order)**

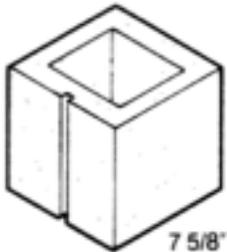


**8x8x16 Mortarless Head  
Joint Grout-lock**

15 15/16"

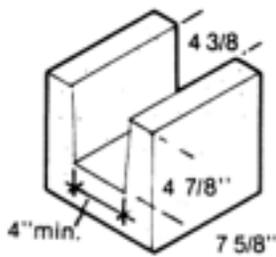


**8x8x16 Open End  
Bond Beam  
(Special Order)**

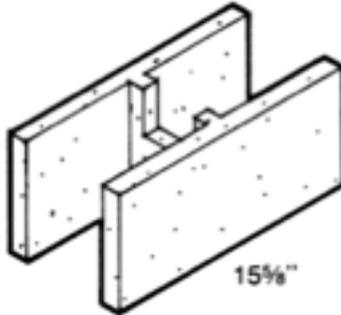


**8x8x8 Half**

7 5/8"



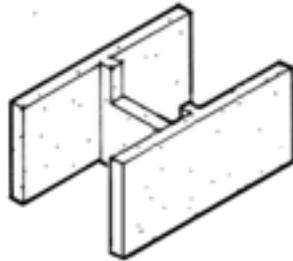
**8x8x8 Lintel**



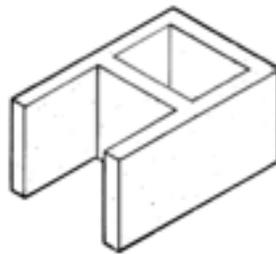
**8x8x16 Double Open End  
Bond Beam**

15 5/8"

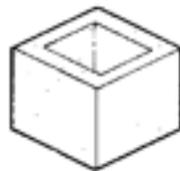
10-inch wide units are available by special order



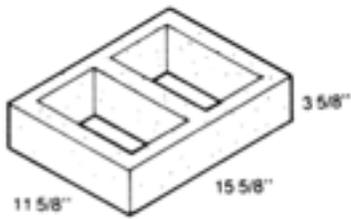
**10x8x16 Double  
Open-end bond Beam**



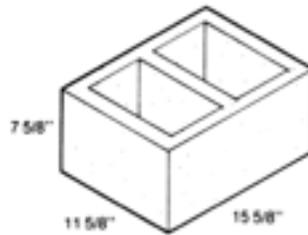
**10x8x16 Standard  
Open-end**



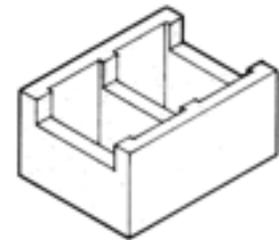
**10x8x8 Half**



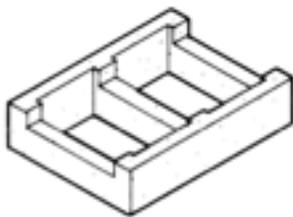
**12x4x16 Standard**



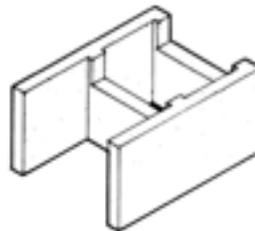
**12x8x16 Standard**



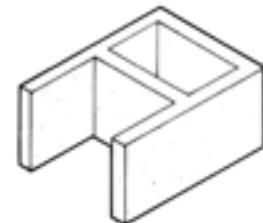
**12x8x16 Bond Beam**



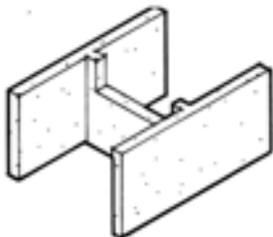
**12x4x16 Bond Beam**



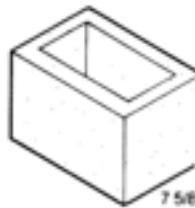
**12x8x16 Open-end  
Bond Beam  
(Special Order)**



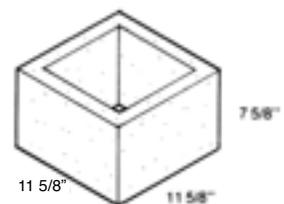
**12x8x16 Open End**



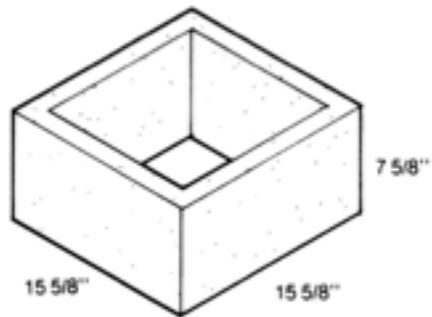
**12x8x16 Double Open End  
Bond Beam**



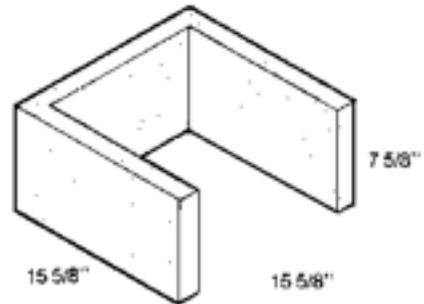
**12x8x8 Half**



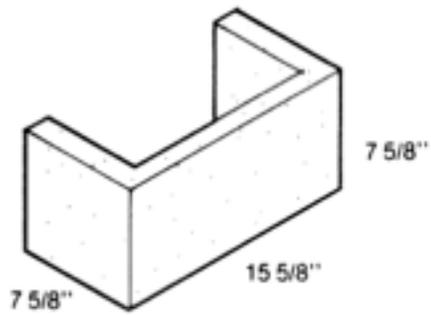
**12x8x12 Column**



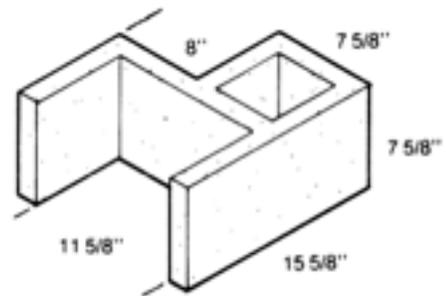
**16x8x16 Column**



**16x8x16 Open-End Pilaster**



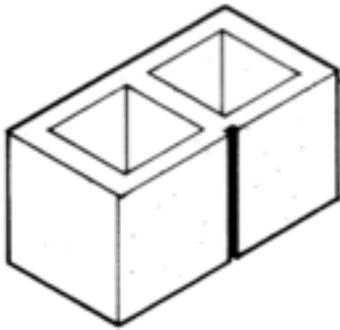
**16x8x8 C-Alternate**



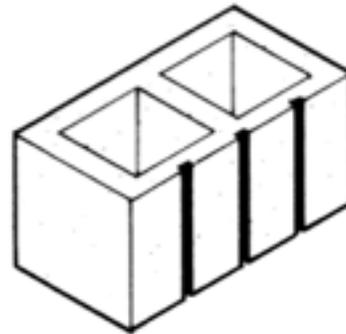
**16x8x16 Banjo Pilaster**

Precision concrete masonry units can be made with a variety of effects and textures. Although these examples show the 8x8x16 size, most effects can be made in many other sizes too.

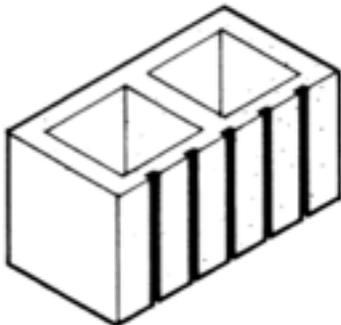
**All Items on this page are available by Special Order**



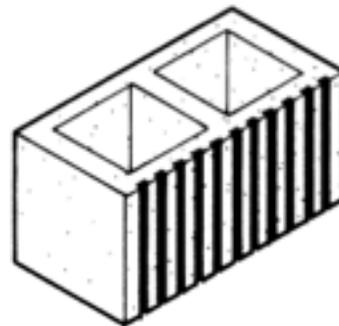
**Half-Score**



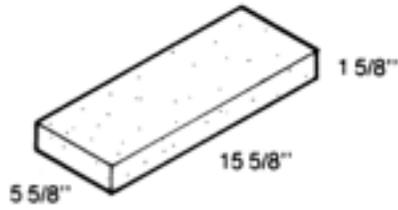
**3 - Score**



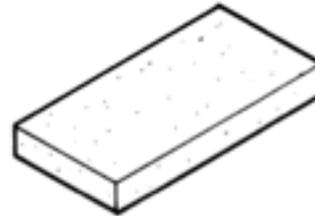
**5 - Score**



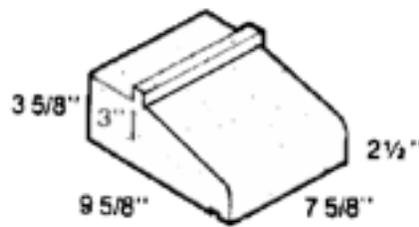
**11 - Score**



6x2x16 Cap



8x2x16 Cap



10x4x8 Sill

# SPLIT-FACE CONCRETE MASONRY UNITS

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## Introduction

Split-face blocks provide an attractive alternate to standard precision blocks. Their rugged texture reveals the natural aggregates used in their manufacture to create a visually appealing finish for any project.

Split-face blocks are made by manufacturing two or more blocks joined together as one large unit. After a curing period, the units are put through a guillotine-like machine that utilizes blades to split the units apart and expose their interior aggregates. The amount of visible aggregates will vary from block to block and from run to run. Additionally, the aggregates used to manufacture these concrete masonry units are subject to natural color variations as they are mined from the earth. Because of these facts, it is important to order all split-face masonry units for a project at one time to ensure aggregate color-uniformity.

When specifying concrete masonry units, the dimensions are indicated in the following manner: width x height x length. Dimensions of split-face masonry units are usually expressed in terms of their nominal size, which is three-eighths of an inch greater than their actual size. This three-eighths of an inch difference accommodates the standard 3/8" mortar joint that is utilized when installing these units. For example, a unit with the nominal dimensions of 8" x 8" x 16" would have actual dimensions of 7-5/8" x 7-5/8" x 15-5/8".

## Applicable Standards and Quality Assurance

The split-face concrete masonry units manufactured by CastleLite Block comply with the requirements of ASTM-90 and section 21-4 of the Uniform Building Code. CastleLite Block maintains an inventory of lightweight split-face units. Medium weight and normal weight units are available as special order items. For more information regarding the ASTM standards pertaining to concrete masonry units, please examine the *Specify Masonry* section of this catalog contained under tab #2.

CastleLite Block, LLC participates in a testing program in which an independent laboratory randomly samples and tests our concrete masonry units.

## **Available Colors for Split-Face Block**

CastleLite Block stocks lightweight split-face units in natural grey. Our lightweight Tan color is a special order. A wide variety of custom colors may be special ordered. Please contact your CastleLite Block representative for more information regarding custom colors. Please note that a lead time of 6 to 8 weeks should be allowed for shipment of custom-colored masonry units.

The raw materials utilized in the manufacture of concrete masonry units are subject to natural variations in color which affect the color of the finished product. It is important that our customers understand that color can be guaranteed only to a range of color. Even natural grey units, which are manufactured without pigments, may have noticeable shade variations from run to run.

## **Available Sizes of Split-Face Block**

CastleLite Block maintains an inventory of 8 x 8 x 16 and 12 x 8 x 16 split-face units. Other sizes can be manufactured on a special-order basis.

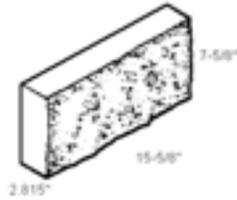
The pages immediately following this page illustrates many of the available shapes and size of split-face blocks. CastleLite Block is constantly adding new items to its product line which may not be included in these drawings. Please call our office at 707-678-3465 if you have any questions regarding additional shapes or sizes.

# SPLIT-FACE

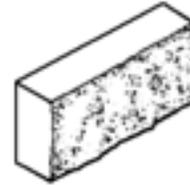
## SOLID VENEERS



All items on this page are available by special order.



**3x8x16 S/F 1-side  
Veneer**



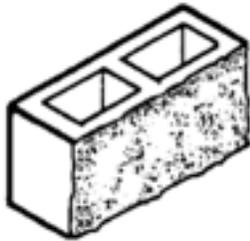
**4x8x16 S/F 1-side  
Veneer**

**6" Wide**

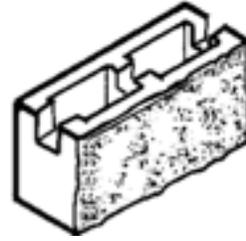
**SPLIT-FACE**



All items on this page are available by special order.

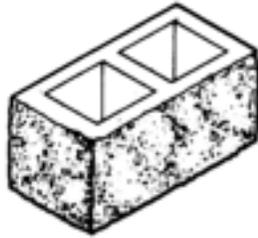


**6x8x16 Standard**  
**S/F 1-side or S/F 2-side**

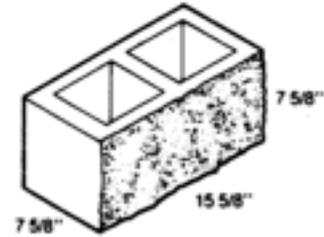


**6x8x16 Bond Beam**  
**S/F 1-side or S/F 2-side**

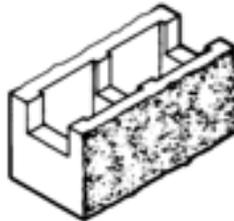
**8" Wide SPLIT-FACE**



**8x8x16 Standard  
S/F 1 side & 1 end**

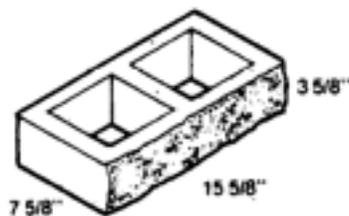


**8x8x16 Standard  
S/F 1 side**

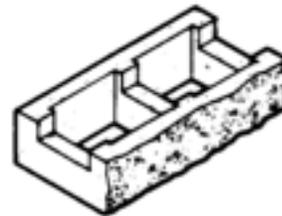


**8x8x16 S/F 2-sides  
(stocked in open-end  
Bond Beam only)**

**Items shown below are available by special order**

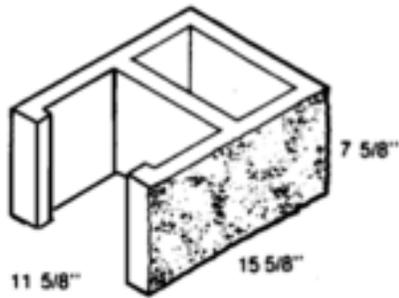


**8x4x16 Standard  
S/F 1 Side, S/F 2 Side**

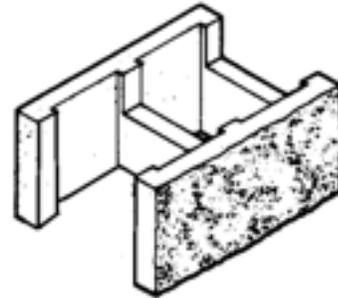


**8x4x16 Bond Beam  
S/F 1 Side, S/F 2 Side**

# 10" & 12" Wide SPLIT-FACE

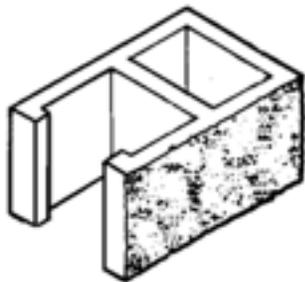


**12x8x16 S/F 1-Side  
Open-end Standard**

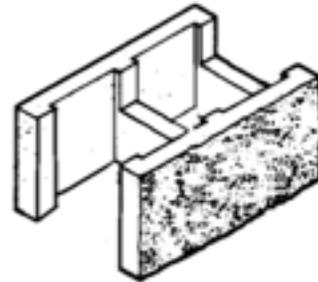


**12x8x16 S/F 1-Side  
Open-end Bond Beam**

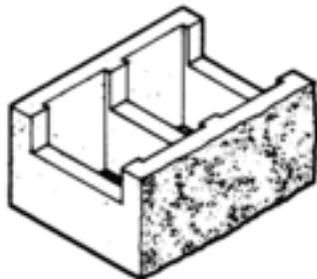
Items shown below are available by special order



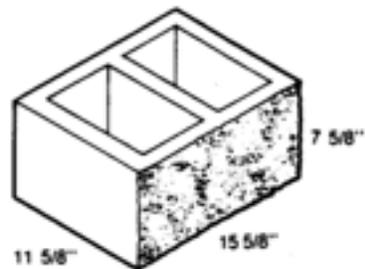
**10x8x16 S/F 1-Side  
Open-end Standard**



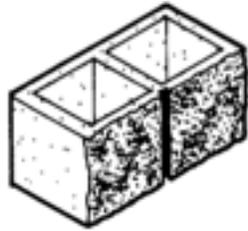
**10x8x16 S/F 1-Side  
Open-end Bond Beam**



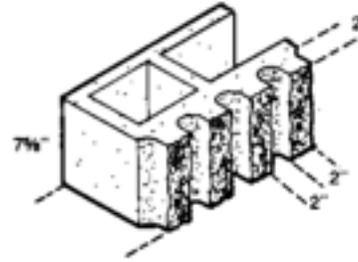
**12x8x16 S/F 1-Side  
Bond Beam**



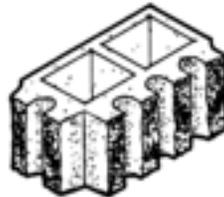
**12x8x16 S/F 1-Side  
Standard**



**8x8x16 1-Vertical Score  
S/F 1-Side or 2-Side**



**8x8x16 Fluted Split  
S/F 1-Side**



**8x8x16 Fluted Split  
S/F 1-Side, 1-End**