INTRODUCTION

Appropriate brick shapes are vital components for exceptional brickwork. Architects and builders rely more and more on brick shapes to create unique design and individual character for their buildings. The creative use of brick is an inexpensive way to produce innovations in commercial, institutional and residential buildings.

At Lawrenceville Brick, Inc., great pride is taken in the ability to produce high quality brick shapes that meet both structural and aesthetic needs. From the water table, arches, treads and sills used in authentic Colonial architecture, to the radials, reveals and special angle brick used in contemporary design, every effort is made to satisfy the special requirements of valued customers. While not every idea can be translated into a brick shape, company sales and engineering personnel are always ready and willing to consult with architects, builders, and homeowners about their requirements and will make every effort to fill their specific needs.

Lawrenceville Brick...Virginia's Finest Brick Maker.
When ordering Lawrenceville Brick Shapes, it is very important that all details be carefully provided. This will assure the efficient production and dimensional accuracy of the finished product.

Shapes which can be utilized exactly as shown in this catalogue may be ordered by name and number, with specifications being given for variations.

*Whenever a need exists for a shape not shown in this catalogue, it is necessary that the following information be provided:*

1. Stock number, name and size of brick to be matched by the shape.
2. Accurate Drawing with all dimensions clearly specified.
3. Notation of surfaces which require finished facing.
4. Exact quantities required.
5. Dates on which shapes are required.
6. Name of the masonry contractor, general contractor, and architect to whom any questions may be addressed.

**SPECIAL NOTES:**

1. Dimensional tolerances for special shapes will be in accordance with ASTM C-216, Type FBS. Angle cuts will be ± two degrees.
2. Because finishes are applied on many shapes by hand and because most shapes must be fired at or near the top of the kiln cars, texture and color of shapes may vary slightly from that of the general field brick.
3. Special shapes cannot be “tumbled” or “edge rolled” to exactly match face brick in the Old Dominion Series or Antique Series, but they can be finished with the same facing material.
4. Die-skin finishes, such as those on the #102 and 103 brick, cannot be exactly duplicated on special shapes. These shapes will have some degree of wire cut texture.
5. Once the manufacturing process has begun, orders for quantities of special shapes cannot be altered or canceled.
6. It is the policy of Lawrenceville Brick, Inc. to deliver special shapes along with the first shipment of face brick sent to the job after shape production is completed. Shapes cannot be left on our yard for piecemeal delivery.
7. A special setup charge, in addition to the unit price, may be necessary when a small quantity of nonstandard shapes is ordered.
8. Orders for arches must be accompanied by a completed arch form which is available from our office or from our dealers and distributors.
9. Radial brick should be ordered by specifying the radius of the circle (or part of circle) and the number of courses. Our production department can then provide the customer with quantities required and drawings (if necessary).
10. Although Lawrenceville Brick, Inc. will make every effort to expedite the production of special shapes, the orders must be produced based on the general production schedule for facing and paving brick.
11. When field brick are not furnished by Lawrenceville Brick, Inc., shapes will be billed at 50% upcharge over list price.

Please call our Regional Sales Managers or our Sales Office Personnel with any questions you may have about Lawrenceville Brick Shapes. We are eager to fill your needs.

**Lawrenceville Brick, Inc.**

P.O. Box 45
Lawrenceville, Virginia 23868
434-848-3151 Fax: 434-848-6621
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BRICK (GENERAL INFORMATION)

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VARIED BRICK POSITIONS

STRETCHER
HEADER
ROWLOCK

SHINER
SOLDIER
SAILOR

VARIOUS PARTS
OF A
BRICK WALL

COURSE
WYTHER

ROWLOCK HEADER
ROWLOCK STRETCHER

HEADER
SOLDIER
1. **CONCAVE** - Extremely effective in Resisting Rain Penetration.
2. **GRAPEVINE** - Effective in Resisting Rain Penetration - Used in Colonial brickwork.
3. **RAKED JOINT** - Difficult to make watertight - Not recommended for external use.
4. **V-SHAPED** - Extremely effective in Resisting Rain Penetration.
5. **BEADED** - Effective in Resisting Rain Penetration - Used in Colonial brickwork.
7. **STRUCK** - Does not shed water properly - Not recommended for external use.
8. **WEATHERED** - Effective in Resisting Rain Penetration.
ANGLE BRICK

6 SF - EC 135° EXTERNAL CORNER

8 SF - EC 135° EXTERNAL CORNER

8 SF - IC 135° INTERNAL CORNER
SINGLE FACE RADIAL BRICK

**Typical Wall Segment**

(SHOWING RADIAL BRICK)

**Note:** Finished one side only

**Typical Wall Layout**

**Typical Column Layout**

*Size of brick and angle determined by radius of wall or column.*
## SHELF ANGLE BRICK

<table>
<thead>
<tr>
<th>SAB-1 STRETCHER</th>
<th>SAB-1 HEADER</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
</tbody>
</table>

(SHOWN UPSIDE DOWN)

### HINGE BRICK

<table>
<thead>
<tr>
<th>HB-1</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Image" /></td>
</tr>
</tbody>
</table>

(SHOWN UPSIDE DOWN)

**SPECIFY LIP DIMS. WHEN ORDERING**

### SAB-1 EC (EXT. CORNER)

<table>
<thead>
<tr>
<th><img src="image4.png" alt="Image" /></th>
</tr>
</thead>
</table>

### SAB-1 IC (INT. CORNER)

<table>
<thead>
<tr>
<th><img src="image5.png" alt="Image" /></th>
</tr>
</thead>
</table>

**NOTE: CAN BE USED ON ANY ANGLE.**
1. Construction details shown are intended only as suggestions. Contractor will determine the best method of constructing the actual wall.
2. Wall ties as required.
3. Flashing and weep holes as required.
WT-1 Ogee Stretcher

WT-1 Ogee Header

WT-1 Ogee EC (Ext. Corner) (Specify Left or Right)

WT-1 Ogee IC (Int. Corner) (Specify Left or Right)

(Agalement Available in 4" x 4" Type)
WT-2 COVE STRETCHER

WT-2 COVE HEADER

WT-2 COVE EC (EXT. CORNER)
(SPECIFY LEFT OR RIGHT)
(ALSO AVAILABLE IN 4"x4" TYPE)

WT-2 COVE IC (INT. CORNER)
(SPECIFY LEFT OR RIGHT)
WT-4 BEVELED STRETCHER

WT-4 BEVELED HEADER

WT-4 BEVELED EC (EXT. CORNER) (SPECIFY LEFT OR RIGHT)
(LEFT SHOWN)

WT-4 BEVELED IC (INT. CORNER) (SPECIFY LEFT OR RIGHT)
(RIGHT SHOWN)

(Also available in 4” x 4” type)
WT-5 COMBINATION STRETCHER

WT-5 COMBINATION HEADER

WT-5 COMBINATION (EXT. CORNER) (SPECIFY LEFT OR RIGHT)

WT-5 COMBINATION (INT. CORNER) (SPECIFY LEFT OR RIGHT)

ALSO AVAILABLE IN 4x4 TYPE
SHADOW BRICK

SB-1 Call for Available Heights.

SB-2 Call for Available Heights.

SB-1 EC (EXTERNAL CORNER)

NOTE: INTERNAL & 135° CORNERS AVAILABLE

SB-2 EC (EXTERNAL CORNER)
ARCHES

3 COURSE (2 PIECE)  4 COURSE (2 & 3 PIECE)  5 COURSE (3 PIECE)
MASONRY OPENING  SKEW ANGLE

JACK ARCH NORMAL PLUMB HEIGHTS

<table>
<thead>
<tr>
<th>NO. COURSES</th>
<th>MORTAR JOINTS</th>
<th>MODULAR</th>
<th>ENGINEER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-COURSE</td>
<td>(2)</td>
<td>7 5/8&quot;</td>
<td>9 1/8&quot;</td>
</tr>
<tr>
<td>4-COURSE</td>
<td>(3)</td>
<td>10 5/16&quot;</td>
<td>12 5/16&quot;</td>
</tr>
<tr>
<td>5-COURSE</td>
<td>(4)</td>
<td>13&quot;</td>
<td>15 1/2&quot;</td>
</tr>
</tbody>
</table>

NOTE: THE ABOVE PLUMB HEIGHTS INCLUDE 7/16" NOMINAL MORTAR JOINTS

JACK ARCH/SEMI-CIRCULAR COMBINATION

MAS. OPNG.  RADIUS  MAS. OPNG.
3 COURSE

4 COURSE

5 COURSE
ARCHES

SEMICIRCULAR

ELLiptical

SEGMENTal

"BULLS EYE" CIRCULAR

GOTHIC
(1) New Concept Jack Arches are available in four sizes, with plumb heights as follows:

<table>
<thead>
<tr>
<th>SIZE</th>
<th>PLUMB HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Course Modular</td>
<td>7 5/8&quot;</td>
</tr>
<tr>
<td>3 Course Engineer</td>
<td>9 1/8&quot;</td>
</tr>
<tr>
<td>4 Course Modular</td>
<td>10 5/16&quot;</td>
</tr>
<tr>
<td>4 Course Engineer</td>
<td>12 5/16&quot;</td>
</tr>
</tbody>
</table>

(2) New Concept Arches consist of a brick (or cast) keystone with 2 1/4" width at its base and right and left segments with 2 3/8" width at their base. In figuring number of segments needed for a particular masonry opening, add the widths of the segments and the width of the keystone and add one mortar joint width for each right and left segment. It is important to realize that mortar joint widths will have to vary somewhat to meet certain masonry openings, and the arch sizes may require some overlapping of masonry openings for some windows and doors. Several sizes of masonry openings, with number of segments and the mortar joint required, are as follows:

- 30" M.O. - 10 Segments (5r., 51.), 1 Key, .40" Joint
- 32" M.O. - 10 Segments (5 r., 51.), 1 Key, .60" Joint
- 36" M.O. - 12 Segments (6r., 61.), 1 Key, .44" Joint
- 40" M.O. - 14 Segments (7r., 71.), 1 Key, .32" Joint
- 48" M.O. - 16 Segments (8r., 81.), 1 Key, .47" Joint
- 60" M.O. - 20 Segments (10r., 101.), 1 Key, .51" Joint

(3) When ordering New Concept Jack Arch segments and keystones, brick size (modular or engineer) and number of courses (three or four), must be specified. Each segment will have one horizontal score for a false mortar joint.
WS - SILL
WSR - SILL RETURN (SPECIFY LEFT OR RIGHT)
SR - SILL REVEAL
SRC - SILL REVEAL 90° CORNER (135° CORNER AVAILABLE)

Call for Available Height and width.
TB-3 4x8 EC (EXT. CORNER) (SPECIFY LEFT OR RIGHT)

TB-3 8x8 EC (EXT. CORNER)

TE-1 TREAD EXTENDER
TYPICAL MITERED CORNER

UNIVERSAL SIZE - WORKS WITH MOD. OR ENG. SIZE BRICK
CHIMNEY SHOULDER BRICK

(TE - 4)

FINISHED ON: 1 BED SIDE
  1 STRETCHER
  2 HEADER ENDS

[Diagram showing brick dimensions and chimney construction]
COPING BRICK

W.C. I HALF ROUND

W.C. I HALF ROUND STARTER

W.C. I HALF ROUND 90° CORNER
STANDARD BRICK SIZES

MODULAR

ENGINEER

* CLOSURE

* UTILITY

"88" SERIES PAVERS

"75" SERIES PAVERS

NOTE: ALL FACE BRICK DIMENSIONS ARE NOMINAL AND ARE WITHIN TOLERANCES ALLOWED UNDER ASTM DESIGNATION C 216 AS AMENDED, TYPE FBS OR FBA, DEPENDING UPON THE PARTICULAR BRICK BEING USED.

* Special Production