



SPECIAL
SHAPES

Denton | Elgin | Perla | Tulsa | Montgomery

Brick has long been valued for its strength and durability, but today it also plays an important role in expressive architectural design.

The innovative use of special brick shapes allows architects to create depth, shadow, and visual interest through corners, angles, reveals, soffits, lintels, and sills. These shapes make it possible to achieve dramatic architectural effects while maintaining the integrity of both load-bearing and conventional brick construction.

Acme Brick's goal is to manufacture special shape brick that help architects design functional, aesthetically pleasing buildings as economically as possible.

Special shape brick are produced at the following manufacturing plants:

Denton, Texas

Elgin, Texas

Perla (Malvern), Arkansas

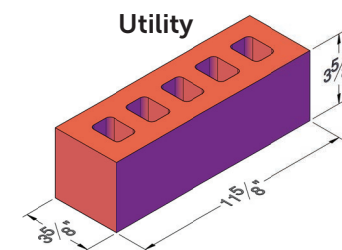
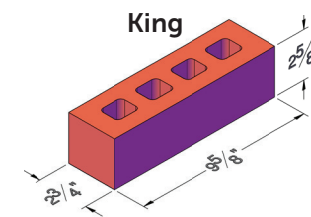
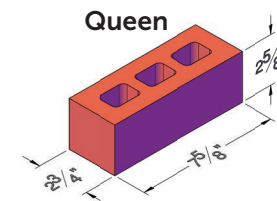
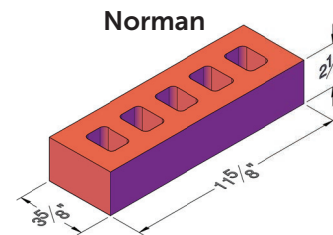
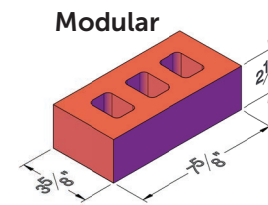
Montgomery, Alabama

Tulsa, Oklahoma



above: Roman, stacked, five-piece arch

BRICK SIZES



SHAPE PROFILES



01 Sloped



02 Bullnose



03 Cove



04 Ogee



05 Bullnose Ogee

Color and size options vary at each plant. Be sure to check with your sales representative before making selections.

These profiles can be made across all plants. *Have a vision? Seen another profile? Ask!*

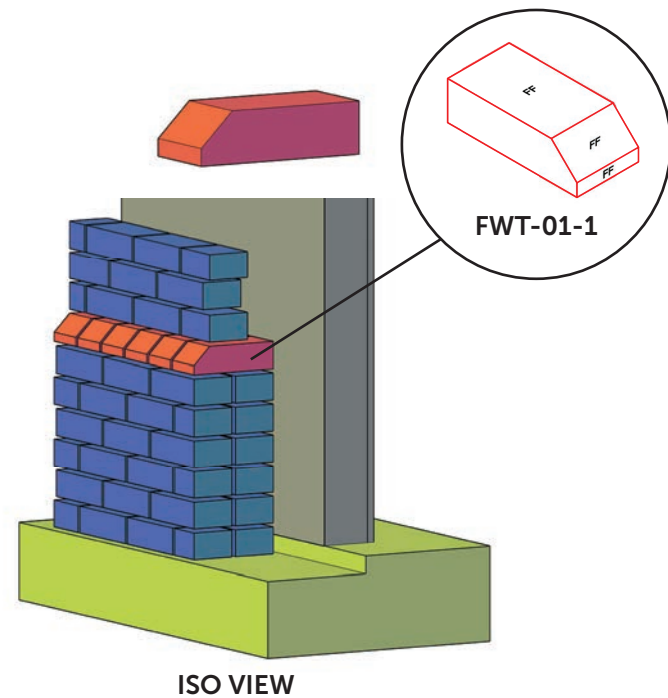
*Special Order Sizes: EST - Estate, CLS - Closure

PLANNING

Early planning and coordination help ensure that special shapes perform as intended and achieve the desired architectural effect. It is important to fully consider how each shape integrates into the overall wall assembly.

For example, a watertable shape can create a strong horizontal accent along a wall. Its use typically requires the brickwork above to step back in order to maintain a consistent face plane. This condition must be accounted for behind the wall face during the design phase.

Because these units differ from standard brick, their placement may affect structural conditions, wall thickness, and the finished exterior appearance. If a specific texture or treatment is required to appear on a particular face or direction—this must be clearly noted on the approval drawings. Otherwise, it will be up to the manufacturing plant to use the most practical and efficient method of production.



SELECTION

All shapes shown in this catalog can be produced at any of our five manufacturing plants.

However, each plant has its own methods and areas of expertise, which may influence availability, lead time, or cost. Additional or custom shapes may also be possible—please consult your Acme Brick sales representative for more information.

Every effort is made to match the color and texture of special shape brick to the corresponding standard field brick. Due to manufacturing limitations, some variation may occur. Certain shapes cannot be stacked for firing in the same orientation as field brick, which may result in minor color differences caused by kiln atmosphere and temperature. Hand-crafted shapes may also display subtle texture variations when compared to machine-made units.



Smooth



Velour (aka wirecut)



Heritage



Ruff

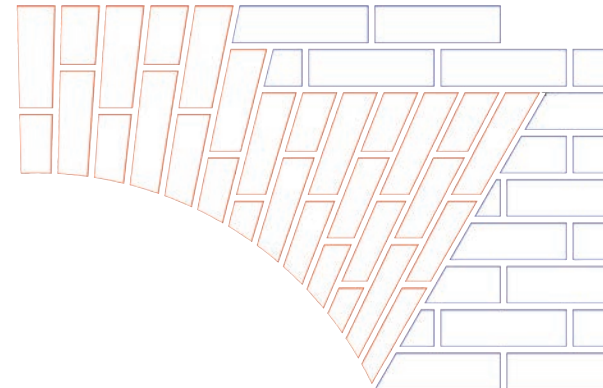
ORDERING

Special shape brick are custom-made for each project.

To assist with accurate estimating and to reduce errors, Acme Brick provides detailed drawings for each shape. These drawings include plan views, elevations, dimensions, identification of exposed faces, coring details, and brick coursing where applicable. Upon completion, the drawings are submitted to the architect for final review and approval prior to manufacturing.

Your Acme Brick sales representative can assist with evaluating options and ensure the selected manufacturing plant can accommodate your order.

Planning



Packing



MANUFACTURING

Manufacturing begins only after firm quantities are ordered and all shape drawings have been approved.

Once shapes are ready to be ordered, clear communication between the customer, Acme Brick plants, and our engineering department is essential. Approval drawings are accompanied by a Letter of Transmittal, which lists all special shapes required for the project.

Each shape may include one or more of the following:

- Approval drawings
- In-wall use drawings
- Green brick drawings

After all documents are approved by the customer, they are released to the manufacturing plant for production.

Installation



Completion





Roman Arch, multi piece stacked



Segmental Arch, single piece with keystone



Jack Arch, multi piece with keystone



Roman stacked three piece arch in background, with a column in foreground with soldiers and ogee shapes.



Slate Gray modular wall with inset dark gray brick, popped out light gray brick.



Screen wall created with solid modular brick offset.



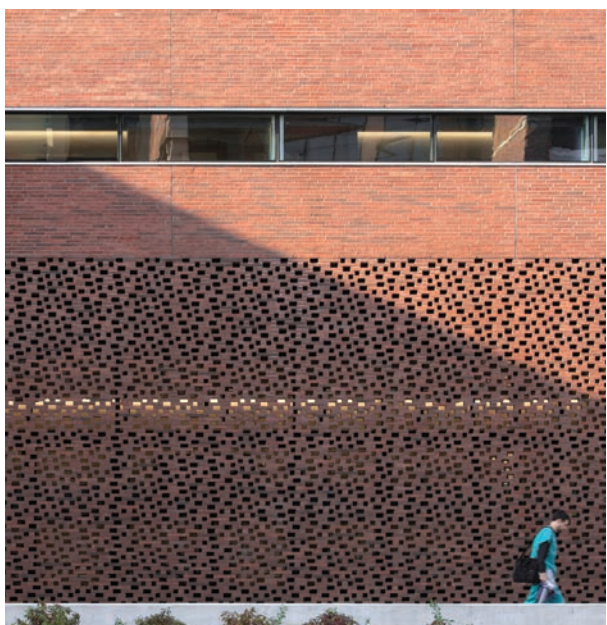
This arch has such a large span, that it is achieved with stacked norman size field brick. The mortar between each is tapered.



Inset of field brick turned 45 degrees.



Segmental multi piece arch, and field wall with inset turned brick.



Screen wall created with norman and cut brick.



Custom detailing, with sloped soldier brick.



Window sills of face brick, single piece jack arch over doors.

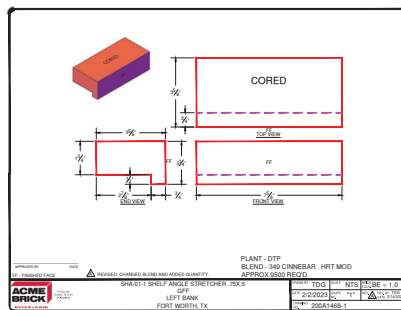
SHAPE DOCUMENTATION

Once you are ready to order shapes, it is time for the plants, architects and our engineering department to communicate clearly what each shape looks like and functions as. Included in the approval drawings is a "Letter of Transmittal."

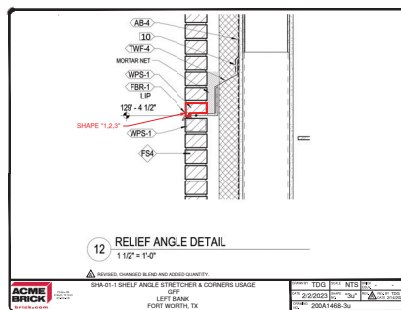
This document has a list of ALL shapes needed to complete a job. Each shape may have an approval drawing, an in wall use drawing, and a green brick drawing. See examples below.

Once we have approval, they are sent to the plant.

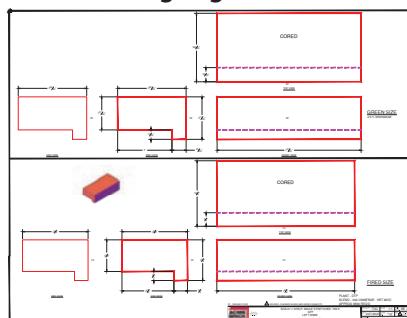
Approval drawing (#)



In Wall Use drawing (#u)



Green Brick drawing (#g)



LETTER OF TRANSMITTAL

DATE: 2/14/2023

TO: JASON HAMILTON
294-DFW

CUSTOMER: GFF
JOB NAME: LEFT BANK
JOB LOCATION: FORT WORTH, TX

REMARKS: HERE ARE THE SHOP DRAWINGS YOU REQUESTED.

REVISION: A - CHANGED BLEND AND ADDED QUANTITY.

NOTE:

DWG. NO.	SHEET / SHAPE	REV.	PLANT	SHAPE DESCRIPTION	QTY.	ASSOCIATED DRAWINGS
200A1468	1	A	DTP	SHA-01-1 Shelf Angle Stretcher	.75x 5 9500	
200A1468	2	A	DTP	SHA-01-2 Shelf Angle Stretcher Corner Left	.75x.5 25	
200A1468	3	A	DTP	SHA-01-3 Shelf Angle Stretcher Corner Right	.75x.5 25	
200A1468	3u	A	DTP	SHA-01-1 Shelf Angle Stretcher & Corners Usage		
200A1468	4	A	DTP	CNR-01-2 Corner External Long	165° 225	
200A1468	4u	A	DTP	CNR-01-2 Corner External Long Usage		

COPY TO:

JIM OGG/CORY BARRON
MARK BURDEN
TOM JETER

LOCATION	CODE	STATUS CODES:
DTP	1	<input checked="" type="checkbox"/> For approval <input type="checkbox"/> For your information
DFW	2	
NTR	2	
----	2	
----	2	

By: **TDG**
Acme Brick Co. - FWGO
TDG - Todd Goodson

Sales person requesting shape approval drawing. Required for customer approval.

Job Information

Revision Letter, from A to Z, changes with each revision to the drawing

List of all shapes for a job. In this example there are 4 shapes and 6 drawings.

Approval Drawings for 1, 2, and 3.

An In Wall Use drawing (3u) for 1, 2, and 3 together, as they are shapes that work together.

Approval and a In Wall Use drawing (4u) for shape 4.

Status Codes denote if this document requires approval or if it is simply FYI.

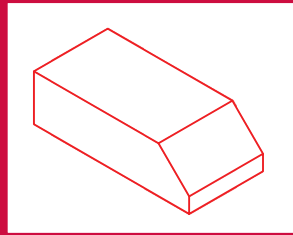
Indicates your shape engineer.

Other associates who will receive this document. May be members of production, etc.

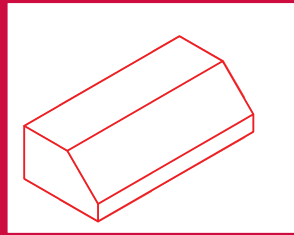


SHAPES

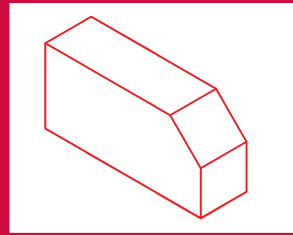
01 SLOPED



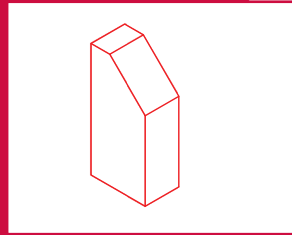
FWT-01-1 Flat
Watertable - Sloped -
Header



FWT-01-4 Flat
Watertable - Sloped -
Stretcher

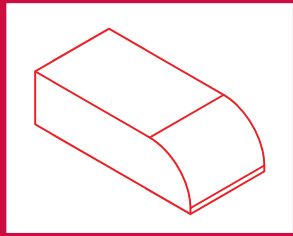


RWT-01-1 Rowlock
Watertable - Sloped -
Rowlock

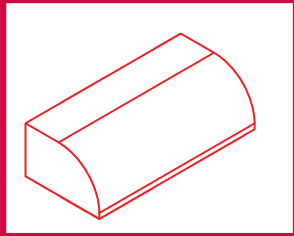


SDR-01-1
Soldier - Sloped

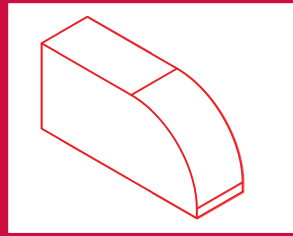
02 BULLNOSE



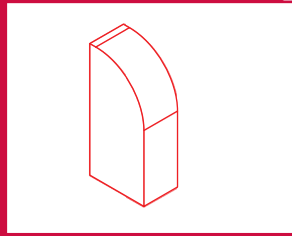
FWT-02-1 Flat
Watertable - Bullnose -
Header



FWT-02-4 Flat
Watertable - Bullnose -
Stretcher

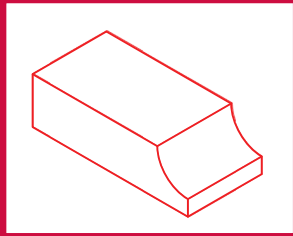


RWT-02-1 Rowlock
Watertable - Bullnose -
Rowlock

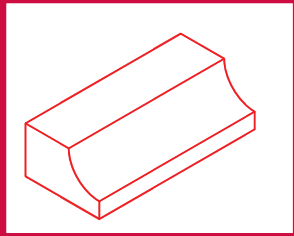


SDR-02-1
Soldier - Bullnose

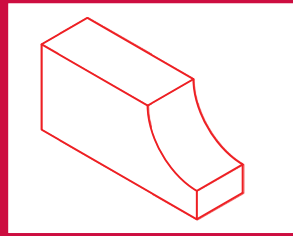
03 COVE



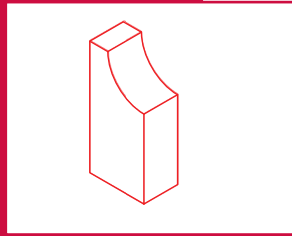
FWT-03-1 Flat
Watertable - Cove -
Header



FWT-03-4 Flat
Watertable - Cove -
Stretcher



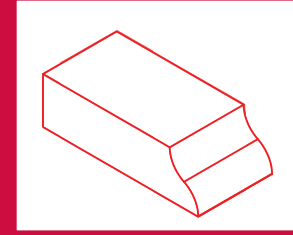
RWT-03-1 Rowlock
Watertable - Cove -
Rowlock



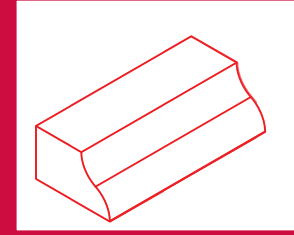
SDR-03-1
Soldier - Cove

SHAPES

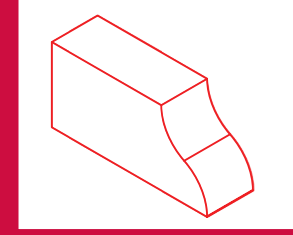
04 OGEE



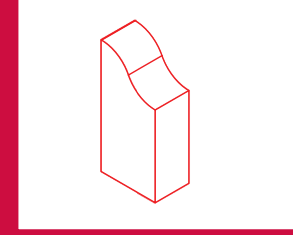
FWT-04-1 Flat
Watertable - Ogee -
Header



FWT-04-4 Flat
Watertable - Ogee -
Stretcher

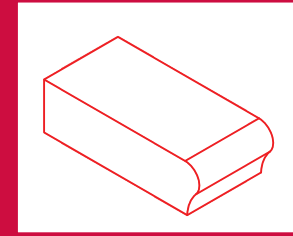


RWT-04-1 Rowlock
Watertable - Ogee -
Rowlock

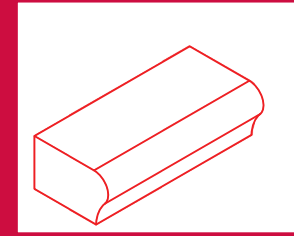


SDR-04-1
Soldier - Ogee

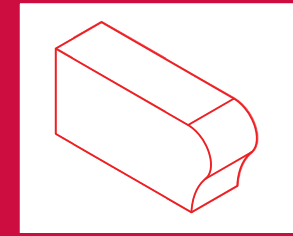
05 BULLNOSE OGEE



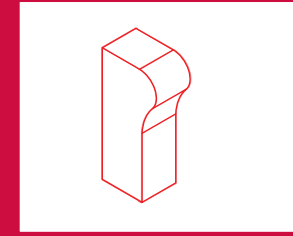
FWT-05-1 Flat
Watertable - Bullnose
Ogee - Header



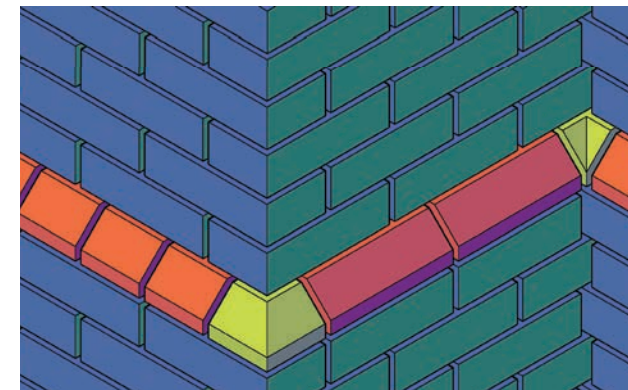
FWT-05-4 Flat
Watertable - Bullnose
Ogee - Stretcher



RWT-05-1 Rowlock
Watertable - Bullnose
Ogee - Rowlock



SDR-05-1
Soldier - Bullnose
Ogee

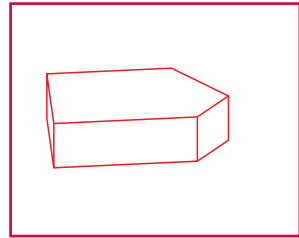


In wall rendering of Sloped Watertable header and stretchers. Corners achieved with mitre cut pieces.

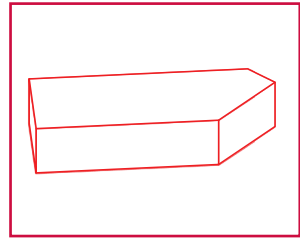


Bullnose Soldiers, large 2 piece stacked roman arch, small single piece roman arch.

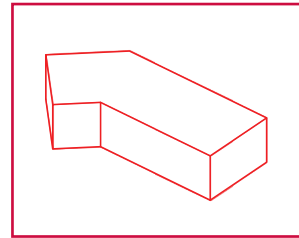
CORNERS



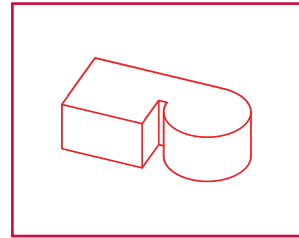
CNR-01-1 Corner - External Short



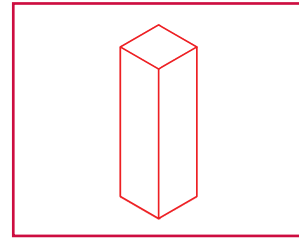
CNR-01-2 Corner - External Long



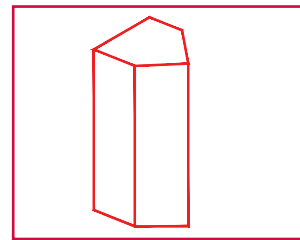
CNR-01-3 Corner - Internal



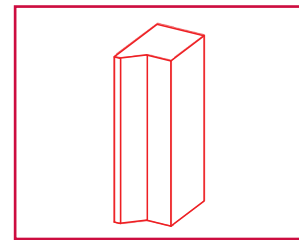
CNR-01-4 Corner - Hinge Brick



CNR-02-1 Corner - Soldier



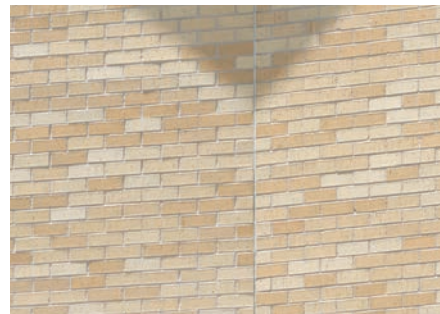
CNR-02-2 Corner - External Soldier



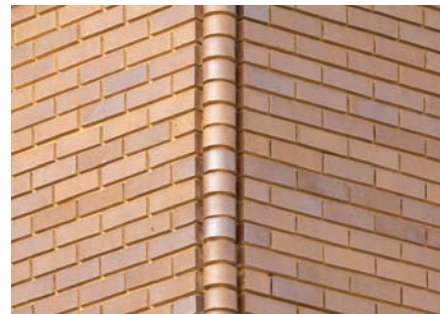
CNR-02-3 Corner - Internal Soldier



External Corner



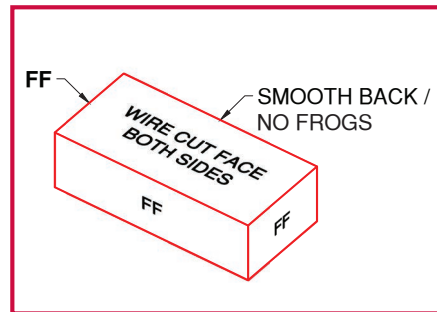
Internal Corner



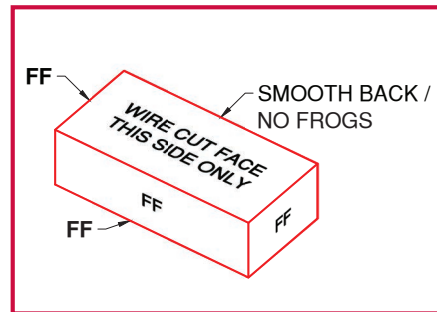
Hinge Brick

SOLIDS

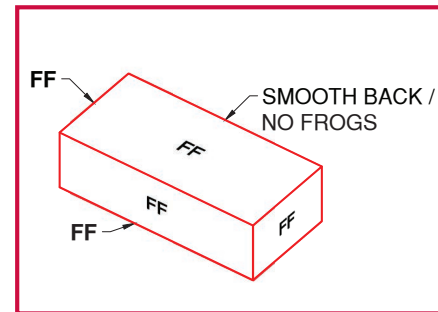
No coreholes or frogs allow for decorative exposed faces on more sides than normal field brick.



SLD-03-1 Solid Three Faces Finished

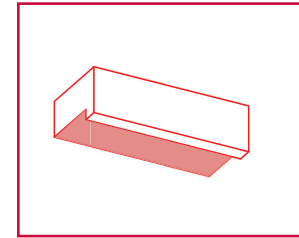


SLD-04-1 Solid Four Faces Finished

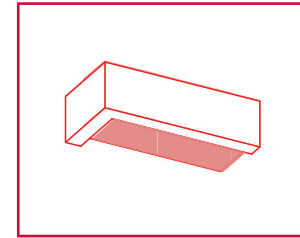


SLD-05-1 Solid Five Faces Finished

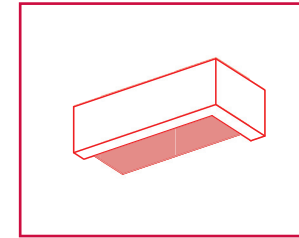
SHELF ANGLES



SHA-01-1 Shelf Angle - Stretcher

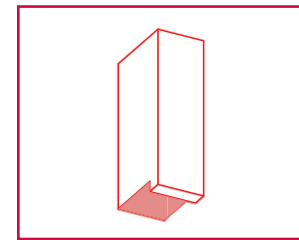


SHA-01-2 Shelf Angle - Stretcher - Corner Left

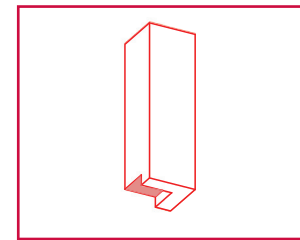


SHA-01-3 Shelf Angle - Stretcher - Corner Right

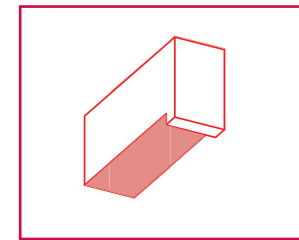
indicates bottom of shape



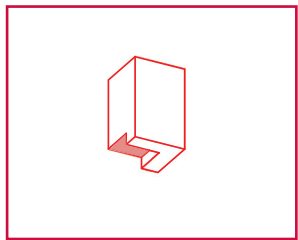
SHA-02-1 Shelf Angle - Soldier



SHA-02-2 Shelf Angle - Soldier - Corner

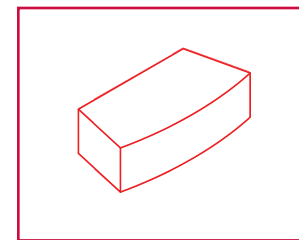


SHA-03-1 Shelf Angle - Rowlock

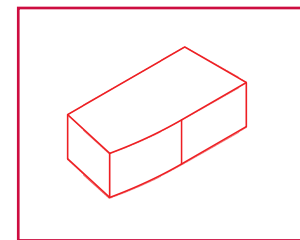


SHA-03-2 Shelf Angle - Rowlock - Corner

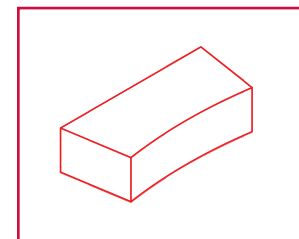
RADIAL BRICK



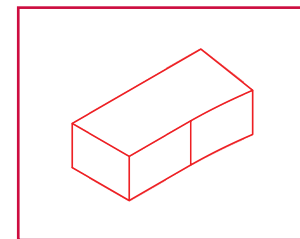
RAD-01-1 Outside Radial Stretcher



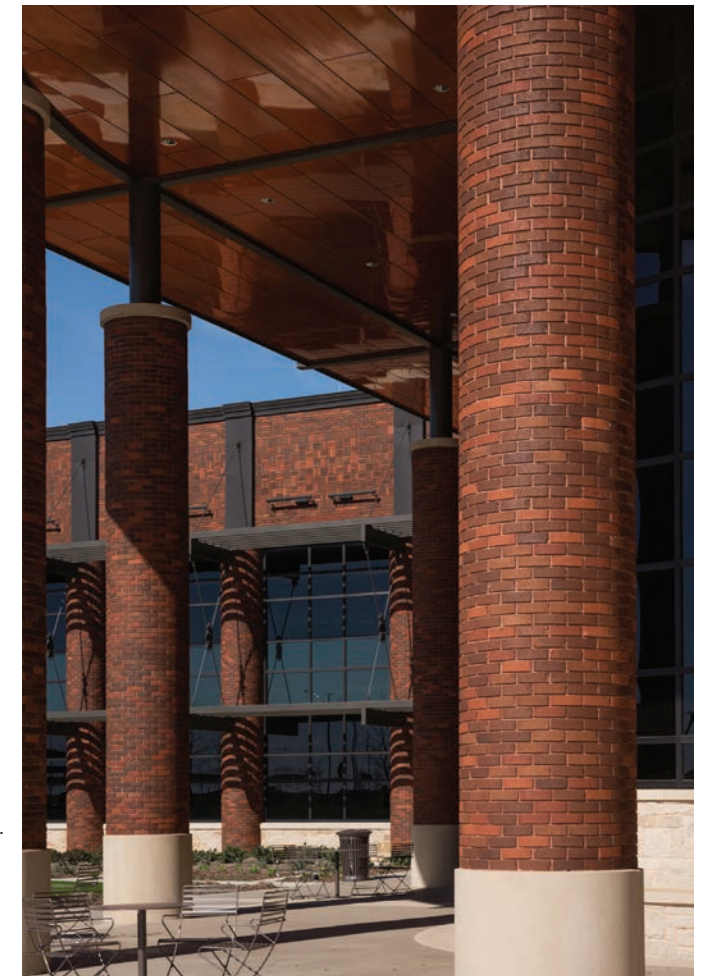
RAD-01-2 Outside Radial Starter



RAD-02-1 Inside Radial Stretcher



RAD-02-2 Inside Radial Starter



Radial brick columns.

ARCHES

Arches are always a custom drawing as the type of arch desired, masonry opening it needs to span, the height of arch itself, and more all affect the number of pieces.

It is important to provide the following information to ensure drawing accuracy. Once we have all the details we can determine the best application. You may see these letters on your shape drawings.

"A" - Arch Type - The type of arch desired: Jack Arch, Roman, Circular, Segmental, or Elliptical.

"B" - Masonry Opening - The span of opening to be crossed, rounded down to the nearest 1/2 inch.

"C" - Height of Arch - The height of Jack Arches are given in number of courses. The height of Roman, Circular, Segmental and Elliptical arches can be given in number of courses or inches.

"D" - Number of Pieces - When ordering Multi Piece Arches, please specify the desired number of pieces the height of the arch is divided into. This decision is purely aesthetic.

"E" - Brick Size - The width of the field brick dictate the appropriate size:

- Modular and Norman ~2 1/4"
- Queen and King ~2 5/8"
- Estate, Closure and Utility ~3 5/8"

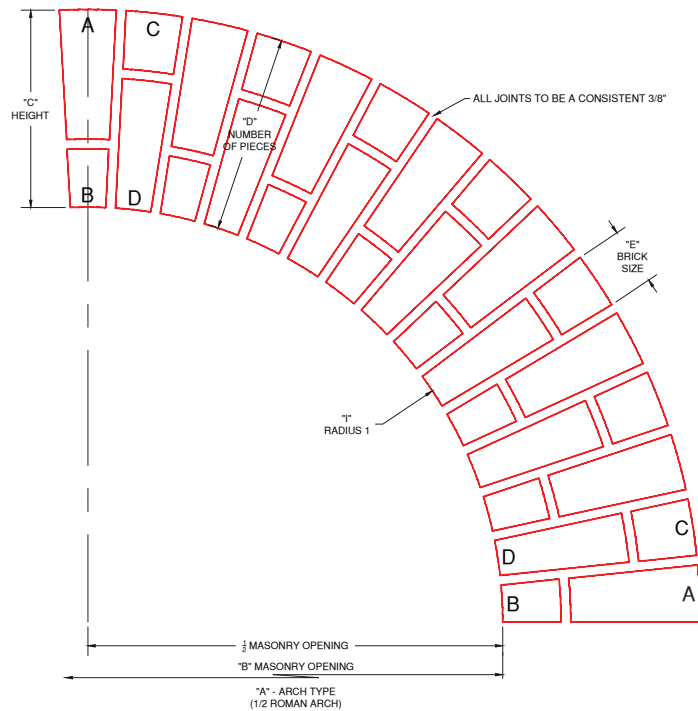
"F", "G", "H" - Key Height, Top, and Bottom - If applicable, the dimensions of the keystone.

"I" - Radius 1 - Radius of the arch.

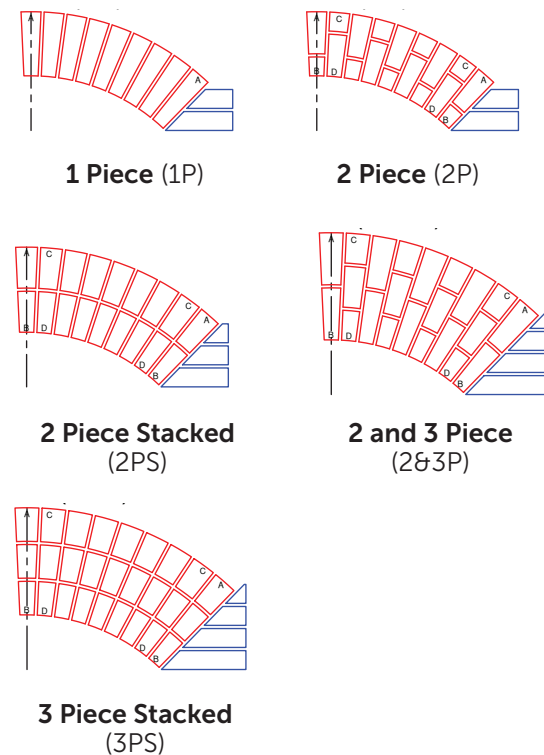
"J" - Rise - The vertical distance from the spring line to the bottom of the Arch, in inches.

"K" - Radius 2 - For Elliptical arches only, the second radius of the arch.

Arch Drawing Example
(ARC-04-02 - Roman Multi Piece)



D- Examples of Segmental Arch Number of Pieces



ARCH TYPES

<p>Jack Arch 3 Course</p> <p>ARC-01-2 Jack Arch 3 Course Multi Piece</p>	<p>Jack Arch 4 Course</p> <p>ARC-02-2 Jack Arch 4 Course Multi Piece</p>	<p>Jack Arch 5+ Course</p> <p>ARC-03-2 Jack Arch 5+ Course Multi Piece</p>	<p>Jill Arch*</p> <p>ARC-08-3 Jill Arch One Piece with Keystone</p>
<p>Roman</p> <p>ARC-04-2 Roman Arch Multi Piece</p>	<p>Circular</p> <p>ARC-05-2 Circular Arch Multi Piece</p>	<p>Segmental</p> <p>ARC-06-2 Segmental Arch Multi Piece</p>	<p>Elliptical</p> <p>ARC-07-2 Elliptical Arch Multi Piece</p>

Other arches can of course be made with one single piece spanning the height of the arch. Adding a keystone is purely aesthetic, and can be accommodated as well. Ask us to see the full example drawing lineup for arches.

Keep in mind that the maximum manufacturing length of a single piece is 11 5/8." Therefore larger arches by necessity may need multiple pieces to create the look.

*Jill Arches require a keystone with a specific angle on the sides to take advantage of a single size repeating slant brick shape, reducing complexity and cost, while achieving the look of a traditional Jack Arch.

<p>ARC-02-1 Jack Arch 4 Course One Piece</p>	<p>ARC-05-4 Circular Arch Multi Piece with Keystone</p>
<p>ARC-04-4 Roman Arch Multi Piece with Keystone</p>	<p>ARC-02-4 Jack Arch 4 Course Multi Piece with Keystone</p>



A Team's Fine Finish

Case Study in Brick:
Phi Mu Fraternity
University of Arkansas, Fayetteville

Red Handcraft
Module Brick
Heritage texture
Sacked Finish

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