

V<sub>BUCK</sub>® shapes include eyebrow, ellipse, gothic, round and half-round



When shaping V<sub>BUCK</sub>®, VTI leaves extra material on each end to avoid damage during shipping and to allow for builders and owners to do their own field joint cuts.

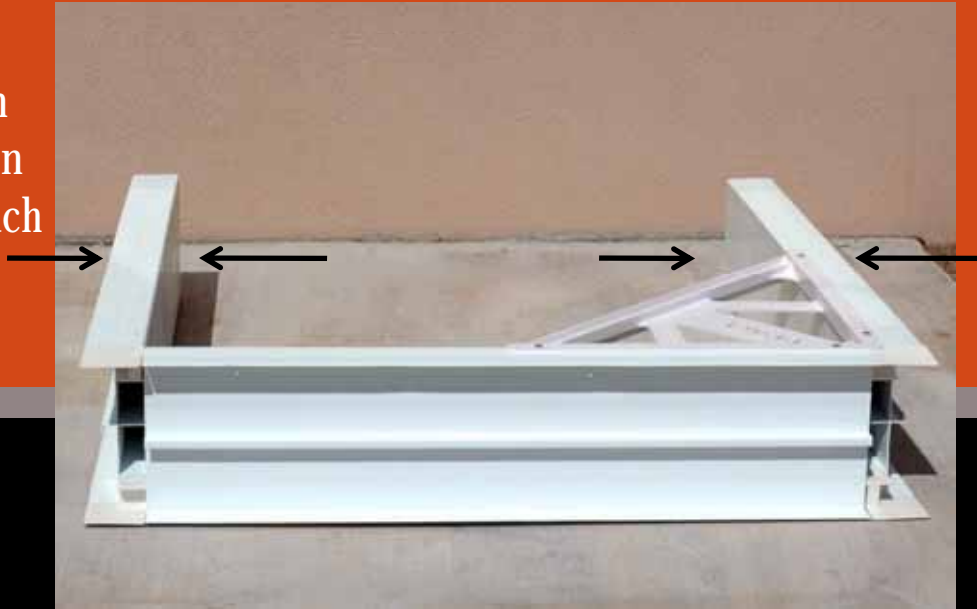
# Cutting, Assembly, & Installation of Shaped VBUCK®.



Assembling shaped openings out of VBUCK® is detailed work. Follow this step by step guide to ensure proper assembly, bracing and installation.

Assemble the bottom three side of the block-out on a flat surface.

Draw a line on the concrete on each side of each strut/side.



Check for correct size and square, then plot a three to four inch line both outside and inside the struts. Note: To square bottom and struts/sides attach VBRACES, front and back.

# Plot arch intersection.



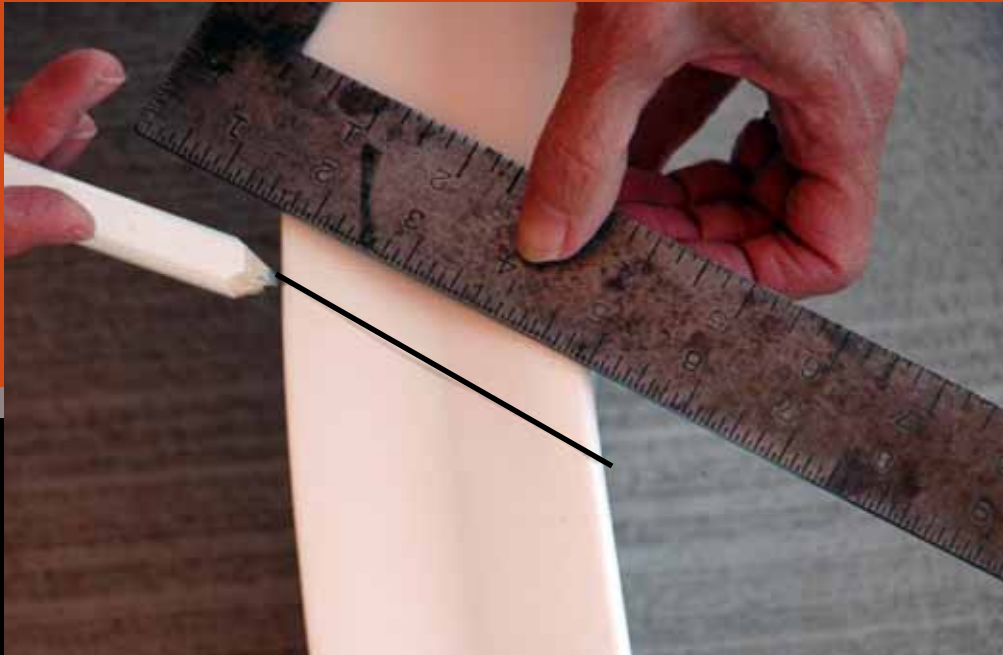
Move bottom part of buck and position arch with the correct spring line and rise, then plot where arch intersects the previously drawn lines. Determine spring line of window or door opening based on drawings and measurements from window or door manufacturer.

# Transfer intersection points.



Using a framing square, transfer the intersecting points to each strut and the shaped top piece.

Draw angle on shaped piece and struts.



Connect the points by drawing directly on the VBUCK®.

# Match angles.



Match angle by lining up a straight edge with cut line, then angle saw to meet the straight edge.

# Cut angles.



To get the best cut, use a sliding miter saw. Cut both the side pieces and the shaped piece to create a miter joint. Note: It is easier to push the saw from front to back rather than pull it.



# Insert variable corner connector in struts.



Variable corner connectors are made slightly larger than chamber size to accommodate for changes during shaping process. Plane connectors with block plane for proper fit.

# Secure variable corners and join shaped piece to struts.



Fasten variable connector on both sides of miter.

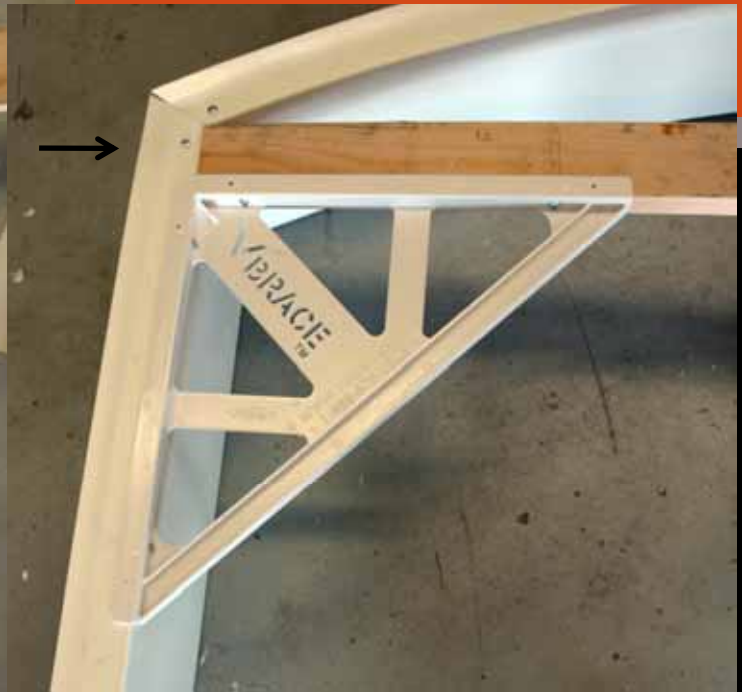
Use a rubber mallet to tap pieces in place.



# Brace using spreaders & VBRACE™.



Attach wooden spreaders front and back by screwing through the outside of the VBUCK® (front attachment shown).



Install VBRACES where spreaders and strut/side piece intersect at a 90 degree angle.

When installing large flat arches, use vertical bracing.



Note: Add corner VBRACES at sill and use Yoke & Tie or add one or two more wood cross braces for this example. Use the reusable VBUCK® brand POWERBRACE™ rather than wood for vertical bracing.

# Full half round assembly.

Exact center point

Spring line



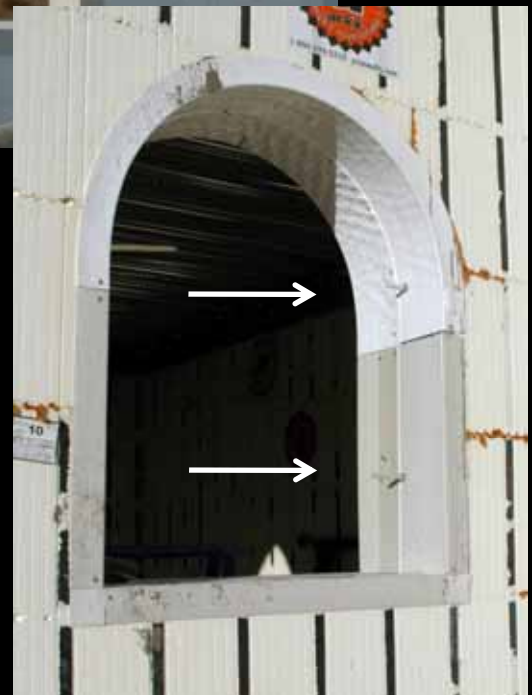
Mark exact center of half round. Determine spring line of window or door opening based on drawings and measurements from window or door manufacturer. Cut ends off half round based on this measurement (no miter necessary). Attach half round to strut/side/sill assembly with a variable connector or splice.

Prefabricated arches need no vertical bracing unless the span is wider than five feet.



Place four VBRACE™ corner braces at sill.

Note: instead of using wood for lateral bracing, use the VBUCK® brand Yoke & Tie.



# Get the Wood Out with VBUCK®



Please contact VTI if you have any questions about how to assemble the VBUCK® block-out system.

1-888-578-2825

[www.vbuck.com](http://www.vbuck.com)

Review the file titled "Step by step VBUCK® Assembly" for instructions on how to assemble, brace and install typical opening block-outs.