

# Details: Assembly, Bracing and Installation of VBUCK® Shapes Q & A

Why is my shaped (eyebrow, arch, half round, etc.) VBUCK® longer than I requested?

When bending custom parts, VTI includes enough on the ends of the part to avoid damage during shipping and to allow for field joint cuts (Field joint cuts are the customer's responsibility).

How do I assemble my shaped block-out?

1- Plot the bottom three sides of the opening on a flat working surface ensuring correct size and squareness, marking both inside and outside of the struts.

2- Position the arch with the correct spring-line and rise then plot where the arch intersects with the strut.

3- Using a framing square, transfer the intersecting points to the struts. Connect the points by drawing directly on the VBUCK® then match the angle and cut using a sliding miter saw.

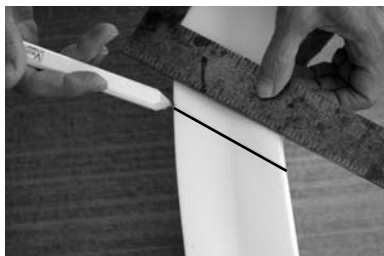
4- Assemble by inserting two variable corner connectors in chambers to secure lintel to struts.



Plot arch intersection.



Transfer intersection points.



Draw angle on arch and strut.



Cut angles with sliding miter saw.



Plane and insert variable corners.



Fasten variable corners and join arch and strut pieces.

What is the best way to use the variable corner connectors?

When VBUCK® is shaped the chamber size is changed. Variable corner connectors are made slightly larger to accommodate for this change. We do this, so builders can be assured of a tight fit when assembling shaped block-outs. Use a small block plane to adjust the size of your variable con-



Brace using spreader and VBRACE™.

necter then fasten securely in place with a self-drilling screw.

How do I brace the R/O once I am finished with assembly?

1- Attach VBRACE™ corner braces at bottom or sill of R/O to help square and stabilize the piece.

2- Cut two 2 x 4 spreaders the exact width of the opening at the top of the R/O (not the width of the shaped piece).

3- Fasten the spreader by screwing through the outside of the VBUCK® into the 2 x 4.

4- Square and brace the top by fastening four VBRACES™, front and back, where the spreader is at a right angle to the VBUCK®.

5- Extensive vertical bracing is only required for wide, large radius spans (Use your best judgment regarding vertical forces and brace accordingly).

6- Install as ICF wall is stacked. If the opening is larger than a 4/0, use the VBUCK® brand Yoke & Tie every course between the corner VBRACES™ (Yoke & Tie Instructions are found in your instruction manual).

## VBUCK®

U.S. PAT. 5,996,293 & 6,070,375  
Canadian PAT. 2,255,256

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