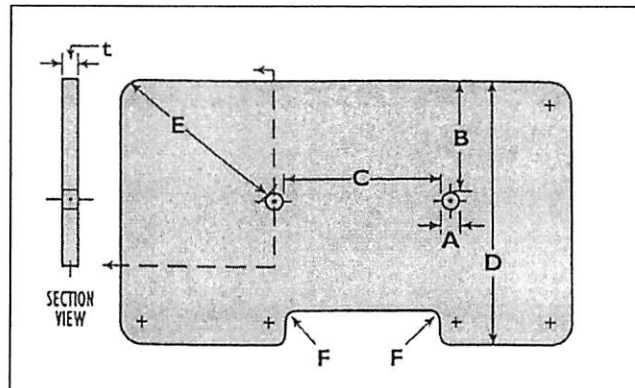




## TUFFVUE TEMPERED GLASS TECHNICAL INFORMATION

**HOLES AND NOTCHES** – This Chart Should be Used to Determine Minimum Sizes and Placement of Holes and Notches in Tempered or Heat Strengthened Glass:

GLASS THICKNESS (t)		1/8	3/16	1/4	3/8	1/2	3/4	GENERAL RULE
Minimum Diameter of Holes	A	1/4"	1/4"	5/16"	7/16"	9/16"	13/16"	$A \geq t + 1/16"$ and 1/4"
Distance from Hole Rim to Edge of Glass	B	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	$B \geq 2t$ and 1/4"
Distance between Rims of Holes	C	3/8"	3/8"	1/2"	3/4"	1"	1 1/2"	$C \geq 2t$ and 3/8"
Distance from Corner to Rim of Hole	E	13/16"	1 7/32"	1 5/8"	2 7/16"	3 1/4"	4 7/8"	$E \geq 6.5 \times t$
Minimum Fillet Radius	F	1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	$F \geq t$



- Countersink Holes Require Technical Review and Approval Before Order Acceptance.
- Large Holes and Notches Greater than 1/3 the Narrow Dimension Require Technical Review and Approval.

### HOLE AND NOTCH LOCATION TOLERANCES-

- For Dimensions of Hole Center from Specified Edge +/- 1/16"
- For Dimensions Between Hole Centers +/- 1/16"
- Chips and Flakes Will Not Exceed 1/16"
- Notch Dimensions for Glass 1/4" and Under +/- 1/16"
- Notch Dimensions for 3/8" and 1/2" +/- 1/8"

### MONOLITHIC GLASS SIZE TOLERANCES-

THICKNESS	CLEAN CUT	EDGEWORK STANDARD	EDGEWORK TIGHT
3/32"- 1/4"	+/- 1/16"	+/- 1/8"	+/- 1/16"
3/8"	+/- 3/32"	+/- 3/16"	+1/16" - 1/8"
1/2"	+/- 1/8"	+/- 1/4"	+ 1/16" - 1/8"
3/4"	+/- 3/16"	+/- 3/8"	+1/8" - 3/16"

- Bath and Shower Enclosures and All Glass Entrances are Fabricated to Tight Tolerance. All Other Applications are Fabricated to Standard Tolerances Unless Specified "Tight Tolerance" at Time of Quotation and Order. Extra Charges May Apply.
- Shapes Fabricated to Standard Tolerance, Unless "Tight Tolerance" is Requested and Full Sized Hardboard Pattern or .dxf File is Submitted. Paper Patterns Fabricated to Standard Tolerance Only.