

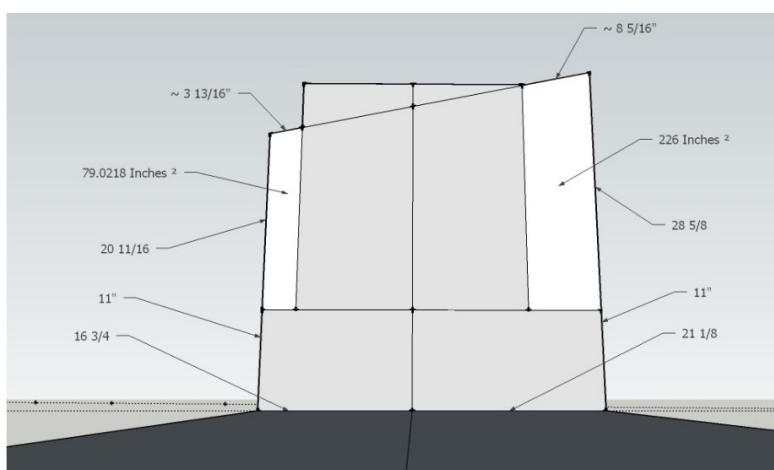
Goalie Frames Geometry

Supposed Angle vs Geometric Angle

The diagrams below display the geometry of a shot as it becomes increasingly sharp-angle. This diagram displays 2 things- The first is that as a goaltender tries to stay on-angle by staying centered within the triangle, it isn't actually the true angle in terms of surface area. The second is how the crossbar appears to tilt, so the short side of the crossbar appears taller than the far side from the perspective of the puck at ice level.



This image is an overhead view of where the shot is coming from. In this case it's between the faceoff dot and edge of the circle to the goaltenders left.



This image is what the puck would see from the specified location in terms of geometry. The gray rectangles represent a goaltender square to the puck, centered in the triangle.

Notice both the slope of the crossbar up to the short-side, as well as more net (white rectangles) as a result.

CORETEX
GOALTENDING

This was a graphic from a free resource created by Cory Lewis of goalieframes.com (site may or may not still be active)