A New Interactive Web-based Tool to Evaluate The Efficiency of Solar Protection Devices

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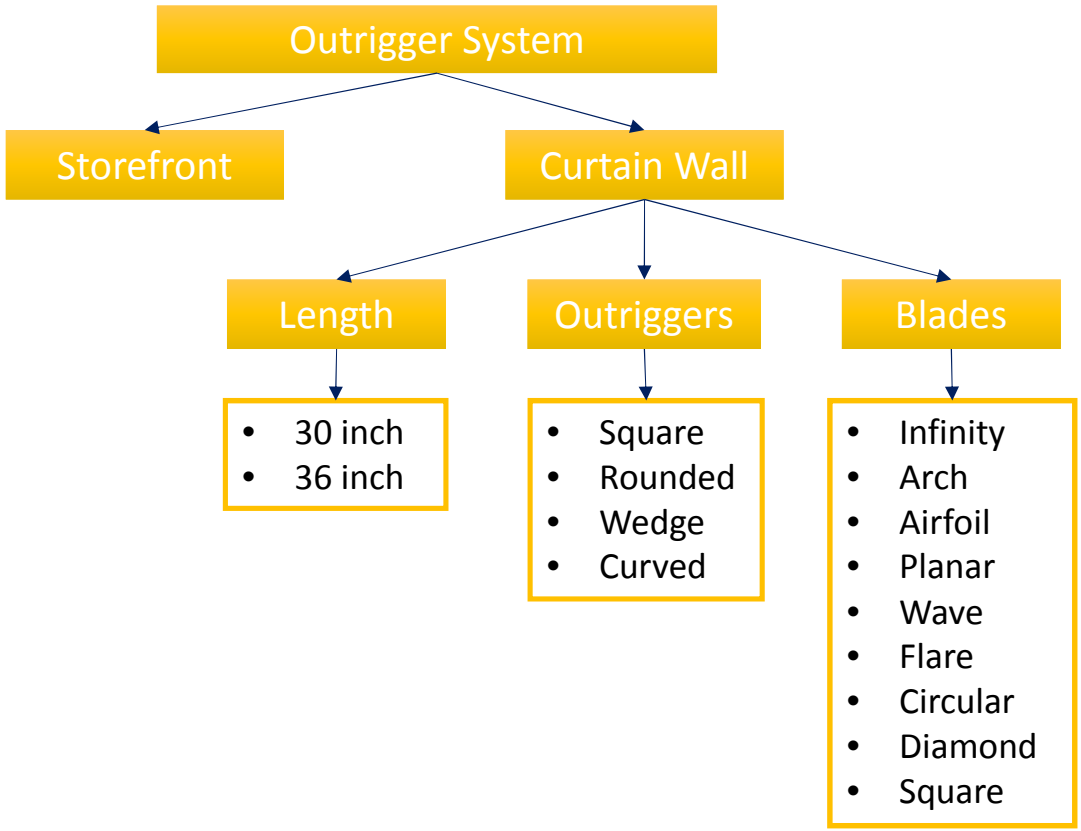
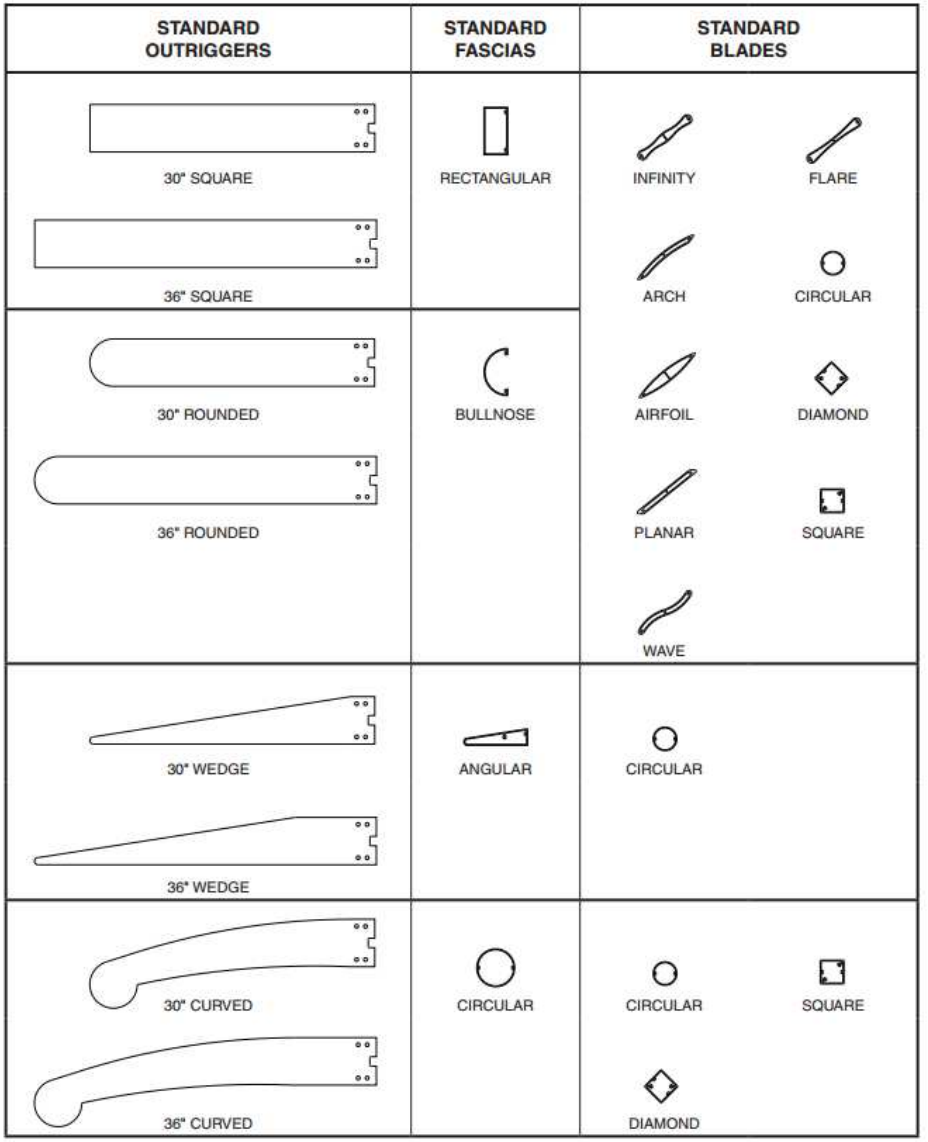
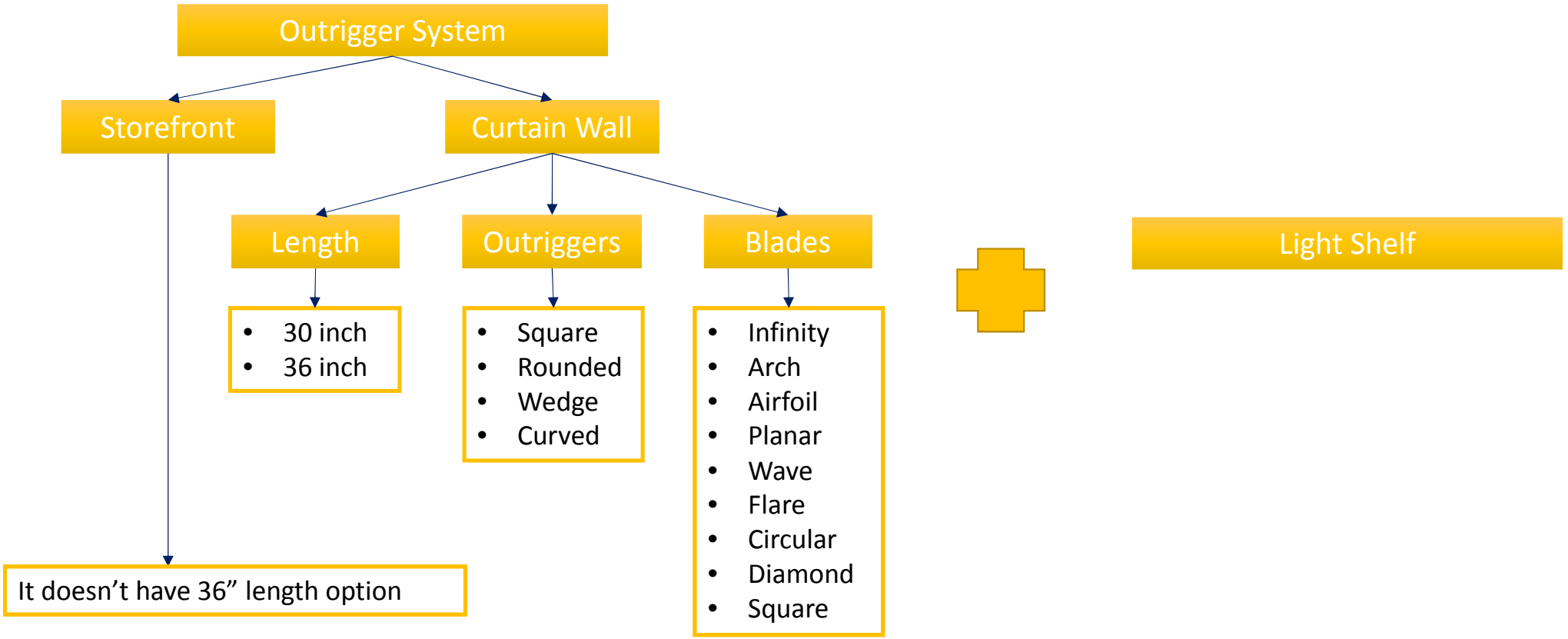
Objectives

Solar Protection Devices

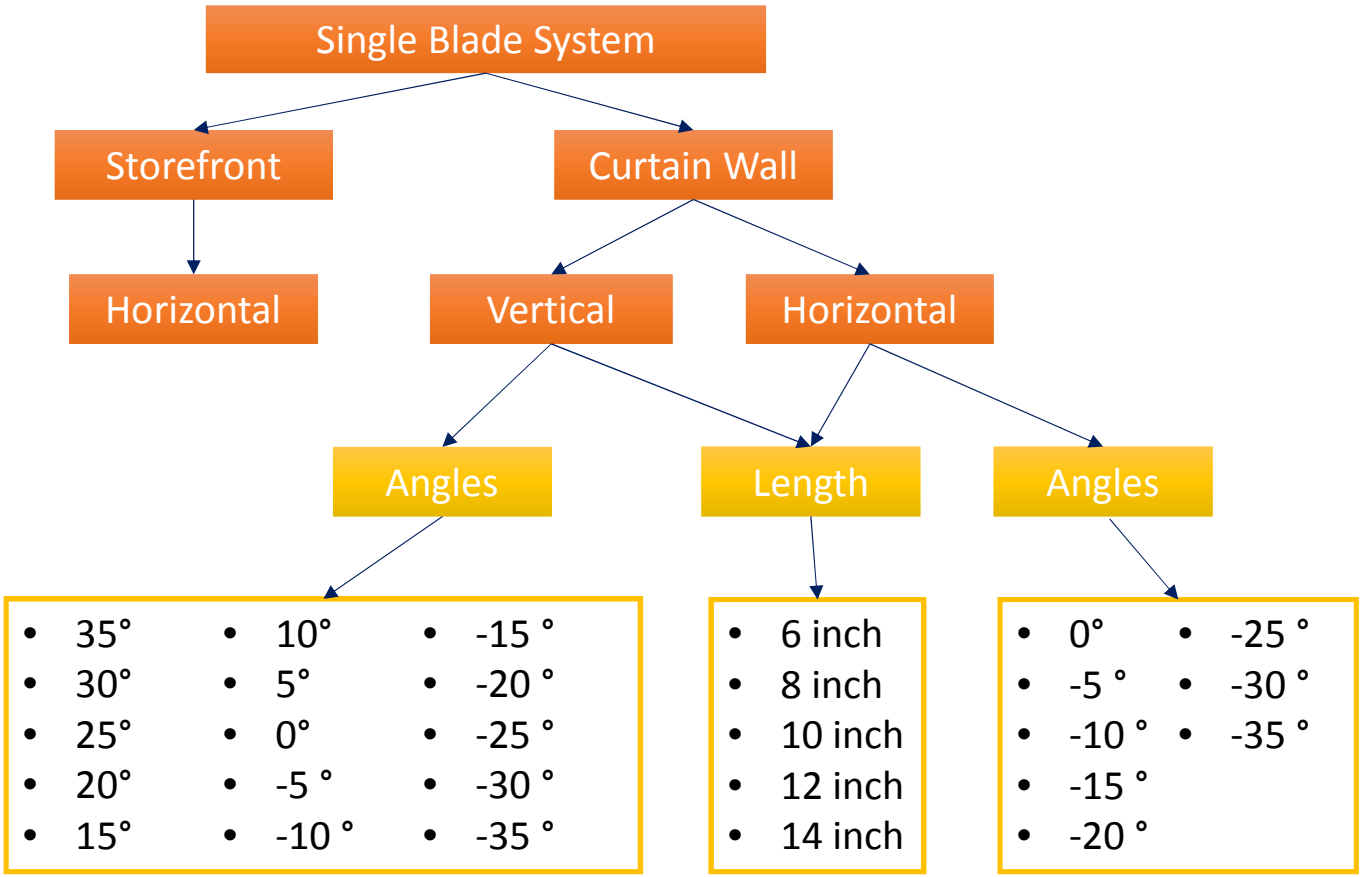




Solar Protection Devices



Solar Protection Devices



Unit System: SI unit

Location:

State/Province: ---USA--- City:

Room Dimensions and Orientation:

Facade Orientation: South Room Fenestration Width: m

Room Height: m Room Depth: m

Glazing Properties:

Glazing System SHGC: 0.50 Glazing System U-factor: 1.70 W/m2·k

Glazing System VT: 0.50

Scenario 1

Shading Type: Outrigger System

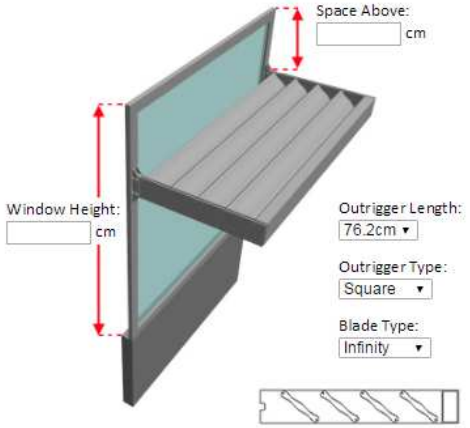
Facade Framing: Curtain Wall

Frame Type: 1600 SS

Vision Area: Glass Percentage

Glass Percentage: 0.95

With Lightshelf?



Scenario 2

Shading Type: Outrigger System

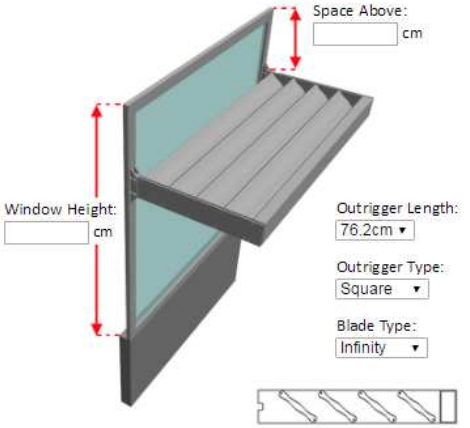
Facade Framing: Curtain Wall

Frame Type: 1600 SS

Vision Area: Glass Percentage

Glass Percentage: 0.95

With Lightshelf?



Calculations will take about 10-15 seconds to run – scroll down to see results