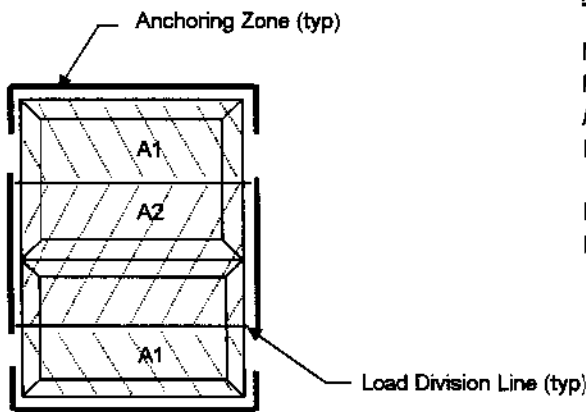


**WINDOW FRAME ANCHORING**

The 2001 FLORIDA BUILDING CODE requires window and door assemblies to be anchored according to the manufacturer's recommendations to achieve the design pressures specified (see Section 1707.4.4 Anchorage Methods). The sketches below represent the load paths used to calculate this anchoring.

**WINDOW TYPE: Single or Double Hung**

**Load Path Sketch:**



**Anchoring Formula:**

NA = Number of Anchors Required per Zone  
 P = Design Pressure (psf)  
 A1, A2 = Area (sq. feet) per zone  
 FV = Fastener Shear Value (lbs.)

$NA1 = A1 * P / FV$   
 $NA2 = A2 * P / FV$

**Single or Double Hung window**

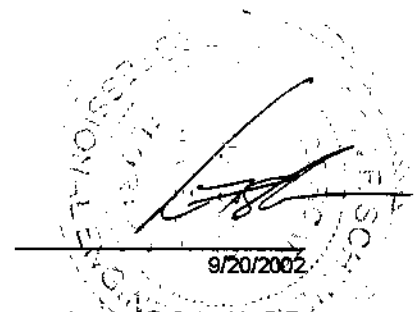
**Example:**

48" wide X 72" high  
 Design Pressure = 55 psf  
 FV = 180 lbs.  
 A1 = 6 sf  
 A2 = 12 sf

$NA1 = A1 * P / FV$   
 $NA1 = (6)(55)/180 = 1.8$  (round up to 2)

$NA2 = A1 * P / FV$   
 $NA2 = (12)(55)/180 = 3.7$  (round up to 4)

Therefore, a minimum of 2 anchors in each zone A1 and 4 anchors in zone A2 are required (8 total).



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