

**Maximum design pressure per comparison
Weathertight Aluminum Clad Outfold Door**

Procedure:

The tributary areas, fiberstress coefficient, deflection coefficient and concentrated load coefficient are identified and calculated for both the tested unit and the sample unit. These results are used to determine the design pressure for the sample unit based on the load and induced stress and deflection at the meeting rail of the unit. Fiberstress, deflection and concentrated load maximum design pressures are calculated. The minimum of these results is selected and defined as the design pressure for the product.

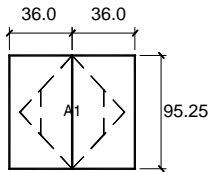
These calculations are performed using AAMA203 load distribution and comparative analysis method and comply with the requirements of the Florida Building Code, Building and rule 9B-72.070 Method 1(d).

Test report No.: ATI 92219.01-801-18-R1

Standards used for testing: ASTM E 330-02

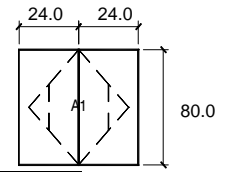
Tested Unit:

Design pressure: + 35.0 psf
- 35.0 psf
Water test pressure: N/A psf
Unit width: 72.0 in
Unit height: 95.25 in
Maximum cyclic pressure: N/A psf
N/A psf
Area: $A_1 = 19.31 \text{ ft}^2$
Fiberstress coefficient: $K_f = 6.81$
Deflection coefficient: $K_d = 66.0$



Sample Unit:

Unit width: 48.0 in
Unit height: 80.0 in
Area: $A_1 = 11.33 \text{ ft}^2$
Fiberstress coefficient: $K_f = 7.01$
Deflection coefficient: $K_d = 67.7$



	Positive	Negative
Dp per fiberstress: $D_f =$	73.1 psf	73.1 psf
Dp per deflection: $D_d =$	86.7 psf	86.7 psf
Dp per concentrated load: $D_c =$	59.6 psf	59.6 psf

Limitations:

Positive design pressure: **70.0 psf**
Negative design pressure: **70.0 psf**

Maximum Design Pressure: + **59.6 psf**
- **59.6 psf**

Panel Height (in)	Panel Width (in)							
	24.0		30.0		32.0		36.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	59.6	59.6	49.9	49.9	47.5	47.5	43.6	43.6
95.3	48.7	48.7	40.4	40.4	38.4	38.4	35.0	35.0