Glazing Information

Lite Dimensions:
- Width: 60.0 in.
- Height: 60.0 in.

IG Structural Sealant Contact Width: 5/16 in.
(parallel to glass)

Project Details

Project Name:
Location:
Comments:

IG Unit Fabrication

Double Glazed Insulating Unit

Lite: {Annealed}
- Nominal Thickness: 1/4 in.

Air Space: 1/2 in.

Lite: {Annealed}
- Nominal Thickness: 3/8 in.

Pressure Conditions

Temperature Change:	10 to 50 °F
Elevation Change:	100 to 1,000 ft
Duration of Transport:	1 Hours

Results of Analysis:

	1/4 in. AN lite	3/8 in. AN lite
Unblocked Condition		
Pressure Difference:	14.3 psf	14.3 psf
Maximum Lite Stress:	1,482 psi	788 psi
Lite Deflection:	0.37 in. Outward	0.13 in. Outward
Probability of Breakage:	<= 0.9/1000*	<= 0.1/1000*
IG Structural Sealant Shear Stress:	0.08 psi <= 2 psi	0.08 psi <= 2 psi
Half Blocked Condition	(3/8in. AN lite blocked)	(1/4in. AN lite blocked)
Pressure Difference:	21 psf	56.3 psf
Maximum Lite Stress:	1,917 psi	2,623 psi
Lite Deflection:	0.46 in. Outward	0.41 in. Outward
Probability of Breakage:	<= 5.2/1000*	<= 40/1000*
IG Structural Sealant Shear Stress:	0.12 psi <= 2 psi	0.31 psi <= 2 psi
Blocked Condition		
Pressure Difference:	248 psf	248 psf
Maximum Lite Stress:	0 psi	0 psi
Lite Deflection:	0 in.	0 in.
Probability of Breakage:	0	0
IG Structural Sealant Shear Stress:	1.38 psi <= 2 psi	1.38 psi <= 2 psi

* The probability of breakage results are based on 1 Hours duration of the specified pressure difference.

