

## Design Load Details

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GSA Level C design threat

## Project Details

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Project Name: Example - GSA Level C

Project Location:

Comments:

## Glazing Information

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Lite Dimensions:

Width: 60.0 in.

Height: 70.0 in.

## Glass Construction

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Single Glazed Lite { Laminated - Annealed }

Nominal Lite Thickness: 5/16 in.

## Design Load Details

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Equivalent 3 sec Design Load: 54.1 psf

Load Resistance: 56.1 psf

Approximate Maximum Air Blast Pressure: N/A

## Framing and Attachment Requirements

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- 1) The blast resistant design requires wet-glazing in the frame with a 5/16 in. square bead.
- 2) The window glass frame must resist a 112 psf uniformly distributed static design load acting over the window surface area.

## Statement of Compliance

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Procedures followed in determining the load resistance of this window glass are in accordance with ASTM E1300-02.

In the event a blast occurs of design size or smaller, this design satisfies GSA Level 3B in that it will fracture safely.

### Disclaimer:

This software can be used to design blast resistant glazing fabricated with laminated glass subject to the following conditions:

- The glass is free of edge and surface damage.
- The blast resistant glazing assembly is continuously supported along all four edges.
- The software user has the responsibility of selecting the correct procedures for the required application from the software.
- The stiffness of members supporting any glass edge shall be sufficient that under an equivalent 3 sec. design load, edge deflections shall not exceed  $L/160$ , where L denotes that length of the supported edge.
- The non-factored load values for laminated glass are representative of test data and calculations performed for polyvinyl butyral interlayer at a temperature of 50° C (122° F).

For other limiting conditions that may apply, refer to Section 5 of ASTM E1300 and local building codes.

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Prepared by: \_\_\_\_\_ on 5/6/2003  
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