Glass Load Resistance Report

November 16, 2005

Glazing Information

Edge Support: 4 Sides
Glazing Angle: 90°
Lite Dimensions:
Width: 34.0 in.
Height: 90.0 in.

Project Details

Project Name: Fleetwood Aluminum/Lanai
Project Location:
Comments:

Glass Construction

Single Glazed Lite { Fully Tempered }
Nominal Lite Thickness: 1/4 in. *

Short Load Duration, Resistance, and Deflection Data

Load (~ 3 sec.):	20.0 psf
Load Resistance:	155 psf
Approximate center of glass deflection:	0.23 in.

Conclusion

Based on your design information, the load resistance is greater than or equal to the specified loading.

Statement of Compliance

Procedures followed in determining the resistance of this window glass are in accordance with ASTM E1300-02/03.

Disclaimer:

This software can be used to determine the load resistance of specified glass types exposed to uniform lateral loads of short or long duration subject to the following conditions:

- The glass is free of edge and surface damage and has been properly glazed in the opening in conformance with the manufacturers recommendations.
- Procedures exist to determine load resistance for rectangular glass assemblies that are:
  a. Continuously supported along all four edges,
  b. Continuously supported along three edges,
  c. Continuously supported along two parallel edges, and
  d. Continuously supported along one edge.
- 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 design load, edge deflections shall not exceed L/175, where L denotes that length of the supported edge.

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

Neither SDG nor PGMC guarantees and each disclaims any responsibility for any particular results relating to the use of the Window Glass Design-2002 Software Program. SDG and PGMC disclaim any liability for any personal injury or any loss or damage of any kind, including all indirect, special, or consequential damages and lost profits, arising out of or relating to the use of the Window Glass Design-2002 Software Program.

Prepared by: _____ on 11/16/2005
OldCastle Glass

Glass Load Resistance Report

November 16, 2005

Glazing Information

Edge Support: 4 Sides
Glazing Angle: 90°
Lite Dimensions:
Width: 34.0 in.
Height: 90.0 in.

Project Details

Project Name: Fleetwood Aluminum/Lanai
Project Location:
Comments:

Glass Construction

Single Glazed Lite { Fully Tempered }
Nominal Lite Thickness: 1/2 in.

Short Load Duration, Resistance, and Deflection Data

Load (~ 3 sec.):	20.0 psf
Load Resistance:	> 210 psf
Approximate center of glass deflection:	0.01 in.

Conclusion

Based on your design information, the load resistance is greater than or equal to the specified loading.

Statement of Compliance

Procedures followed in determining the resistance of this window glass are in accordance with ASTM E1300-02/03.

Disclaimer:

This software can be used to determine the load resistance of specified glass types exposed to uniform lateral loads of short or long duration subject to the following conditions:

- The glass is free of edge and surface damage and has been properly glazed in the opening in conformance with the manufacturers recommendations.
- Procedures exist to determine load resistance for rectangular glass assemblies that are:
  a. Continuously supported along all four edges,
  b. Continuously supported along three edges,
  c. Continuously supported along two parallel edges, and
  d. Continuously supported along one edge.
- 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 design load, edge deflections shall not exceed L/175, where L denotes that length of the supported edge.

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

Neither SDG nor PGMC guarantees and each disclaims any responsibility for any particular results relating to the use of the Window Glass Design-2002 Software Program. SDG and PGMC disclaim any liability for any personal injury or any loss or damage of any kind, including all indirect, special, or consequential damages and lost profits, arising out of or relating to the use of the Window Glass Design-2002 Software Program.

Prepared by: _____ on 11/16/2005
Oldcastle Glass

Glass Load Resistance Report

November 16, 2005

Glazing Information

Edge Support: 4 Sides
Glazing Angle: 90°
Lite Dimensions:
Width: 34.0 in.
Height: 90.0 in.

Project Details

Project Name: Fleetwood Aluminum/Lanai
Project Location:
Comments:

Glass Construction

Double Glazed Insulating Unit

Outboard Lite: { Fully Tempered }
Nominal Lite Thickness: 1/4 in.

Inboard Lite: { Fully Tempered }
Nominal Lite Thickness: 1/4 in.

Short Load Duration, Resistance, and Deflection Data

Load (~ 3 sec.):	20.0 psf
Load Resistance:	> 210 psf
Approximate center of glass deflection:	0.12 in.

Conclusion

Based on your design information, the load resistance is greater than or equal to the specified loading.

Statement of Compliance

Procedures followed in determining the resistance of this window glass are in accordance with ASTM E1300-02/03.

Disclaimer:

This software can be used to determine the load resistance of specified glass types exposed to uniform lateral loads of short or long duration subject to the following conditions:

- The glass is free of edge and surface damage and has been properly glazed in the opening in conformance with the manufacturers recommendations.
- Procedures exist to determine load resistance for rectangular glass assemblies that are:
  a. Continuously supported along all four edges,
  b. Continuously supported along three edges,
  c. Continuously supported along two parallel edges, and
  d. Continuously supported along one edge.
- 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 design load, edge deflections shall not exceed L/175, where L denotes that length of the supported edge.

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

Neither SDG nor PGMC guarantees and each disclaims any responsibility for any particular results relating to the use of the Window Glass Design-2002 Software Program. SDG and PGMC disclaim any liability for any personal injury or any loss or damage of any kind, including all indirect, special, or consequential damages and lost profits, arising out of or relating to the use of the Window Glass Design-2002 Software Program.

Prepared by: _____ on 11/16/2005
Oldcastle Glass

Glass Load Resistance Report

November 16, 2005

Glazing Information

Edge Support: 4 Sides
Glazing Angle: 90°
Lite Dimensions:
Width: 34.0 in.
Height: 90.0 in.

Project Details

Project Name: Fleetwood Aluminum/Lanai
Project Location:
Comments:

Glass Construction

Single Glazed Lite { Fully Tempered }

Outboard Ply Thickness:	1/4 in.
Interlayer Thickness:	0.030 in.
Inboard Ply Thickness:	1/4 in.
Nominal Lite Thickness:	1/2 in.

Short Load Duration, Resistance, and Deflection Data

Load (~ 3 sec.):	20.0 psf
Load Resistance:	> 210 psf
Approximate center of glass deflection:	0.1 in.

Conclusion

Based on your design information, the load resistance is greater than or equal to the specified loading.

Statement of Compliance

Procedures followed in determining the resistance of this window glass are in accordance with ASTM E1300-02/03.

Disclaimer:

This software can be used to determine the load resistance of specified glass types exposed to uniform lateral loads of short or long duration subject to the following conditions:

- The glass is free of edge and surface damage and has been properly glazed in the opening in conformance with the manufacturers recommendations.
- Procedures exist to determine load resistance for rectangular glass assemblies that are:
  a. Continuously supported along all four edges,
  b. Continuously supported along three edges,
  c. Continuously supported along two parallel edges, and
  d. Continuously supported along one edge.
- 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 design load, edge deflections shall not exceed L/175, 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.

Neither SDG nor PGMC guarantees and each disclaims any responsibility for any particular results relating to the use of the Window Glass Design-2002 Software Program. SDG and PGMC disclaim any liability for any personal injury or any loss or damage of any kind, including all indirect, special, or consequential damages and lost profits, arising out of or relating to the use of the Window Glass Design-2002 Software Program.

Prepared by: _____ on 11/16/2005
Oldcastle Glass