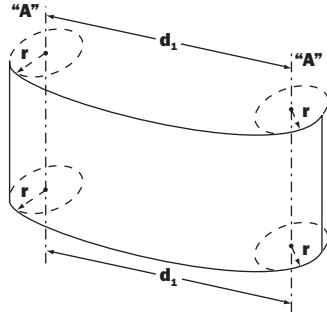


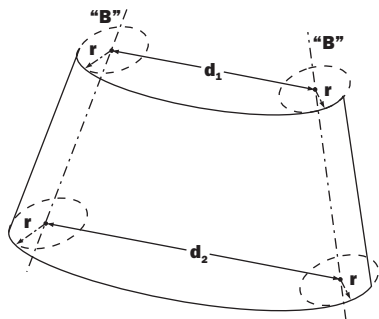


Windshield Types
Parallel Major Bend



"A" axes are parallel
 d_1 = distance between top and bottom "A" axes
 r = minimum bend radius

Mutually Inclined Bend



"B" axes are mutually inclined
 d_1 = distance between top "B" axes
 d_2 = distance between bottom "B" axes
 r = minimum bend radius



Ordering Information

The following information must be supplied when ordering from ProCurve Glass

Template Information

- Full size templates that are accurate to size, contour, compound shape, blackout vision line, and required logo

Design Style

- Cylindrical
- Cylindrical with one flat
- Cylindrical with two flats

Glass

- Type
- Thickness
- Performance properties
- Color

Interlayer

- Thickness
- Type
- Clear or color

Dimensions

- Radius, girth, height or width
- Optional measurements of chord and depth

Additional Fabrication Options

- Blackout perimeters
- Heated windshields
- Special coatings for solar control
- Switchable privacy glass

Technical Design Assistance

ProCurve Glass technical representatives are available to assist you during the design phase of your project to provide support information.

For more information on specifying or ordering glass for rail transportation applications, or for a copy of our warranties and technical data, contact our Sales Office.

ProCurve

GLASS DESIGN, INC.

Glass & Glazing for the Rail Transportation Industry



ProCurve Glass Design, Inc.
 3535 Davisville Road
 Hatboro, PA 19040
 215-441-9101 Fax 215-441-9190
 email: info@procurveglass.com
www.procurveglass.com

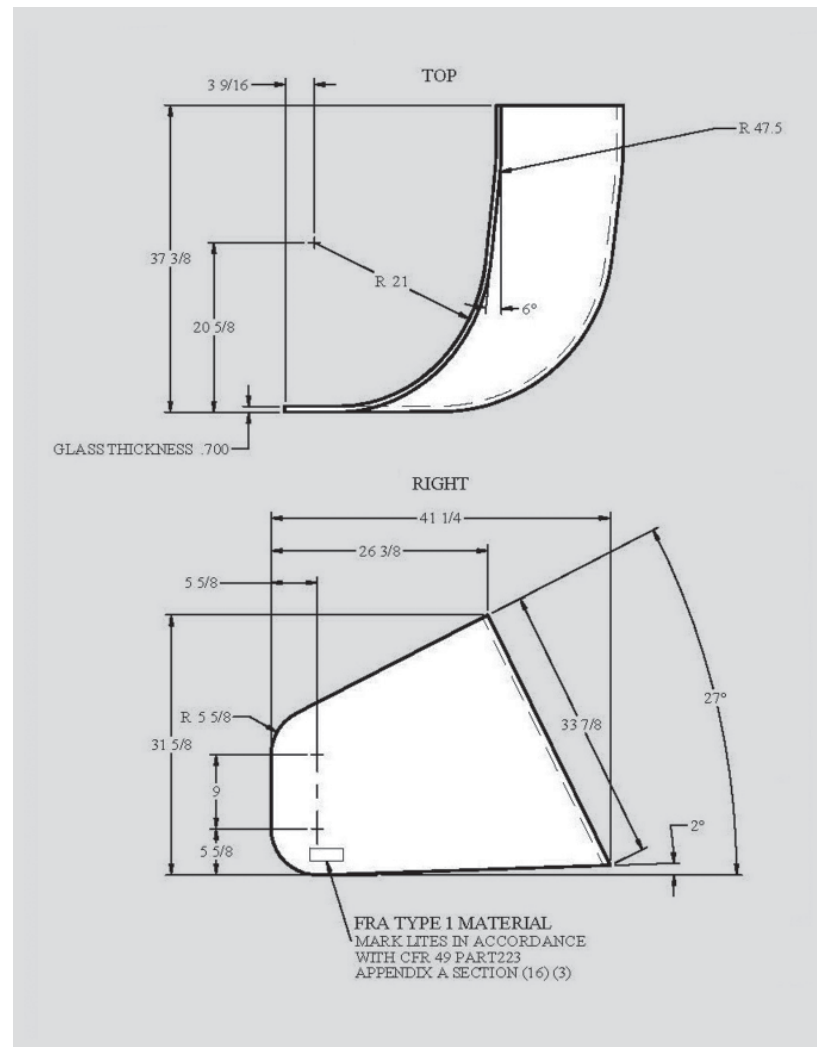
ProCurve Glass – Meeting the Needs of the Rail Transportation Industry...

Capabilities

- Flat or Curved Glass – monolithic, laminated or insulated
- Light weight/thin glass solution-chemically strengthened
- Heated glass for defogging and de-icing applications
- Electrically dimmable glass – privacy, light reducing



ProCurve Glass is a world-wide supplier of curved windshields and side windows for the transportation industry, including heavy rail, light rail, commuter rail, and locomotives.



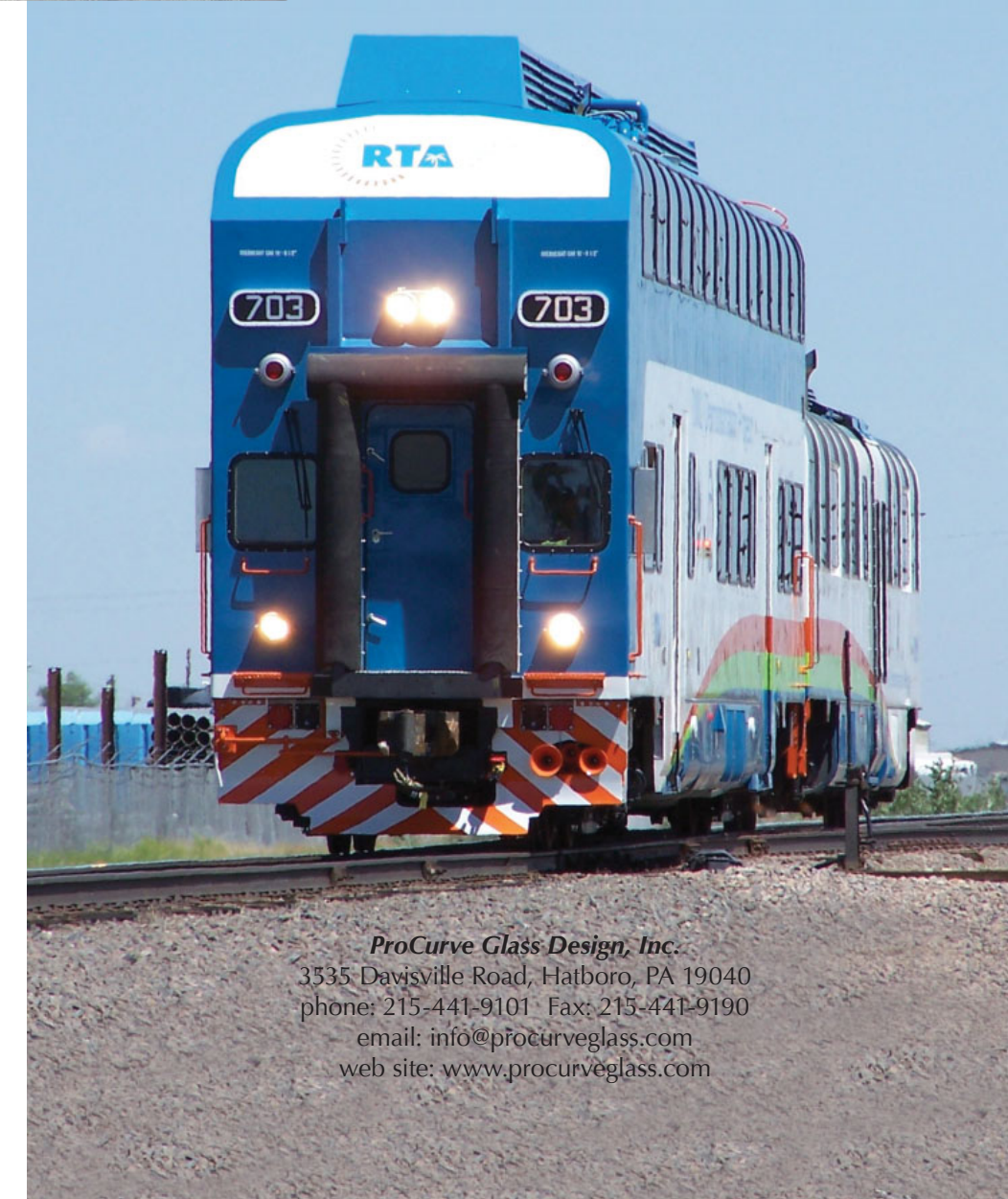
DESIGN ASSISTANCE:

ProCurve's technical representatives are available to assist you during all phases of your railcar project, whether the concern relates to contour and glass shape or solutions that address solar heat and light reduction control.

ProCurve Glass can produce flat and curved parts in a wide range of aerodynamic shapes and sizes. We offer light weight laminated glass solutions that incorporate super thin glass, such as Corning® Gorilla® glass, and other optically clear, distortion-free, and chemically strengthened glass materials.

Glazing systems can incorporate front heated windshields and side windows, electrical heating through the use of an advanced thin wire technology, and electrically dimmable windows for improved customer comfort.

Glass meets U.S. and Canadian rail standards, including Federal Railroad Administration (FRA) Standard 49 CFR, Part 223 Type I and Type II, as well as Tier II requirements, and ANSI Z26.1 for AS-1, AS-2, and AS-3.



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