

DESCRIPTION

Gantry systems (permanent platforms on rails) are employed for working over exterior glass when all other conventional means of performing window cleaning/suspended maintenance cannot be used. Similarly, interior gantries can be designed for servicing the inside of atrium structures.

Gantries are typically custom fabricated using aluminum, in a wide range of designs to satisfy virtually any shape, building access requirement, or color. Generally, gantry platforms are rolling fabrications that traverse on aluminum pipe or I-beam monorail track and are available with manual or motorized operation. The illustrations on page GS-3 are only a few of the many custom model variations available.

USE

Generally, gantries are used for safe access to and maintenance of difficult-to-reach interior or exterior areas of buildings.

Ideal for exterior applications where it is necessary for window cleaners to avoid walking on glass, and for glass replacement.

For interior window cleaning and servicing of lighting, sprinklers, air distribution equipment, ductwork, and similar building elements.



This assembly and installation photo shows the arched free-standing 65'-0" (19.8 m) rolling aluminum gantry shown in place on the cover photo. It has been painted to match the color of the atrium. Pro-Bel installers assembled the sectional gantry on the ground and used a crane to lift it into position. Pike Street Canopy, Seattle, Washington State Convention and Trade Center.

FEATURES

System versatility: Gantry systems are available to suit any aesthetic requirement, building configuration, glazing angle/shape, interior/exterior application, in either manual or automatic systems.

All corrosion resistant materials: exterior components are aluminum or hot dipped galvanized steel. All other components e.g. plates, bolts, pins, trolleys, and miscellaneous items are hot dipped galvanized steel, stainless steel, aluminum, or nickel cadmium plated. All exterior supports are hot dipped galvanized steel. Large diameter wheels are plated or stainless steel complete with sealed ball bearings that allow platforms to move easily.

Finish options: In addition to mill and anodized finishes, exterior aluminum is available with polyester or polyurethane powder coated baked enamel paint finish, color as selected from manufacturer's standard colors, or custom color if desired; interior aluminum or steel paint finishes are offered in epoxy or hybrid powder coated finish, or alternatively may be enamel painted on site.

Standards conformance: All gantries and related equipment including trolleys comply with OSHA and ASME/ANSI/

IWCA safety requirements for window cleaning, and various other materials standards.

Engineer certified: OSHA requires that gantries be designed by or under the direction of a registered professional engineer experienced in such design. Pro-Bel gantry performance is based on data derived from independent testing and/or engineering calculations.

Compatible with roofing: an important consideration in the design of Pro-Bel systems is the need to maintain the long term watertight integrity of the building. Pro-Bel products are designed with a full understanding of reliable flashing/sealing techniques to satisfy virtually any roof condition.

Sole responsibility: Pro-Bel provides complete primary equipment and fall protection products/systems from concept to the supply and installation of same, including annual inspection.

Specific liability insurance: All Pro-Bel gantry installations automatically carry \$5,000,000.00 + coverage against product/system failure (over 5000 projects successfully completed to date).



Example of aluminum inclined exterior horizontal rolling gantry system. Pro-Bel gantries typically travel on pipe or I-beam monorail tracks and are available with manual or motorized operation. Terminal 3, Pearson International Airport, Toronto, Ontario.