

SNYDER

Equipment, Inc.

Storing, Rolling, Lifting since 1947



PRODUCT INFORMATION

PENTALIFT DOCK SEALS AND SHELTERS

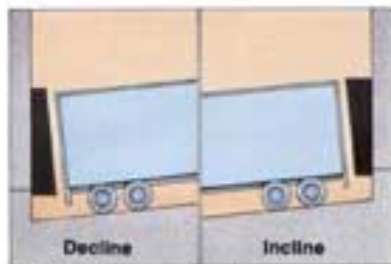
2946 Larimer St. Denver, CO 80205
303-295-1100 / 800-373-7693
FAX 303-295-2464
Email info@snyderequipment.com
www.snyderequipment.com

Pentalift offers a full range of dock seals and shelters. Properly selected and installed, they offer the following benefits:

- ✓ **Efficiency**—Seals and shelters improve the loading dock environment. Worker productivity and morale can be related directly to improvements to the workplace environment and its safety.
- ✓ **Return on Investment**—Energy savings at the loading dock due to an effective dock seal/shelter installation can result in a rapid payback of the cost of the seals/shelters.
- ✓ **Merchandise Protection**—Protect valuable products from the damaging effects of heat, cold, rain, snow, dust and wind. Dock seals/shelters minimize vermin entry.
- ✓ **Safe Working Conditions**—Keeps weather out; eliminates rain, ice and snow from loading areas, improving dock safety.
- ✓ **Energy Loss Savings**—Reduce heating and cooling costs by maintaining interior temperature control.
- ✓ **Security**—Helps to eliminate pilferage of goods and unauthorized entry into loading/unloading areas.
- ✓ **Increased Storage Capabilities**—Trailers positioned at the loading dock become secure, temperature-controlled extensions of the facility.

Selecting the right Pentalift dock seal or shelter

The first and most important aspect of a successful dock seal installation is the proper application of product. Each of the following criteria must be taken into account for a successful seal/shelter installation. Neglecting to consider any of these factors may result in compromised dock safety, an ineffective seal, reduced dock seal/shelter lifespan, and/or damage to trucks/trailers. For more detailed selection criteria refer to Pentalift Loading Dock Design Guide (D011). The variables to consider when selecting dock seals/shelters include:



Grade of Approach—Is the approach level, declined, inclined? When required, seals can be tapered to ensure parallel compression along the entire face of the side pads, thereby creating an effective seal and ensuring maximum product life.



Size of Overhead Door to be Sealed—The size of door opening determines most suitable model of seal or shelter to be installed. To select most suitable seals or shelters for specific door openings refer to the size recommendations for each model (pages 4-8).



Dock Height—The difference in the height of the dock from the finished grade to the top of dock floor.



Dock Bumper Projection—The difference in inches from the face of wall on which the seal will be mounted to the front face of the dock bumper. On declined approaches, bumper projection must be sufficient to eliminate the potential of truck/trailer impact on the building wall above the door.



Seal/Shelter Mounting Surface—The strength and type of wall construction may determine the style of seal/shelter to be specified. Inflatable dock seals/shelters are best suited for applications where the wall is not designed to accept the higher compression forces typical with conventional seals or shelters. Consideration of wall obstructions such as canopies, light fixtures, etc. is essential.



Configuration of Trucks/Trailers to be Sealed—Dimensions to consider are:
1) Normal width of trucks/trailers serviced
2) Normal height of trucks/trailers serviced
3) Truck bumper projection
4) Normal truck/trailer bed heights
Note: To service trucks/trailers with dimensions that are substantially different from standard, these dimensions must be taken into account to select the seal/shelter design which will be most effective.

Note: All Pentalift Equipment products are subject to design improvement through modification without notice.

Conventional Dock Seals and Truck Shelters



Pentalift Dock Seals

serve to form a gasket between the building and truck/trailer. They are an effective seal for loading docks servicing a relatively standard fleet of trucks/trailers.



Pentalift Truck Shelters

provide an effective seal for a wide range of trucks/trailers. Truck shelters allow for full, unobstructed access to the rear of the trailer. Since no compression is required to form a seal, pressure on the exterior building wall is minimized.

Coverings and Colors*

Materials	Black	Blue	Brown	Green	Gray
22 oz Vinyl	■	■	■	■	■
32 oz Vinyl	■	■	■	■	■
40 oz Vinyl	■	■	■	■	■
16 oz Hypalon	■	■	■	■	■
40 oz Hypalon	■	■	■	■	■
Pentalon I †	■	■	■	■	■
Pentalon II ‡	■	■	■	■	■

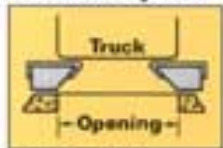
*Other colors available by special order.

Pentalon Fabrics are manufactured to meet Pentalf's stringent standards for quality and performance.

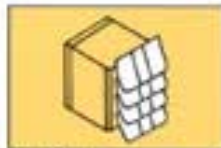
† **Pentalon I** is a heavy weight, high performance alloy material with an exceptionally high tear resistance that exceeds any conventional fabric used in the dock seal industry. A higher ratio of coating on the outside improves abrasion resistance and wearability by putting the extra coating on the face of the dock seal where most of the wear occurs.

‡ **Pentalon II** the ultimate truck shelter fabric, is an extra thick, highly wear resistant, unidirectional, 5 layer, high performance alloy material that has been developed specifically for Pentalf Truck Shelters. This unidirectional characteristic maintains a uniform seal without the need for stays or stiffeners which may deteriorate or fail over time. Pentalon II's superior characteristics as a truck shelter material also make it the fabric of choice when retrofitting existing truck shelters where other materials have failed.

Common Options



Beveled Side Pads



Wear Pleats



Tapered Units



Metal Hood

PS-100 Fixed Header Dock Seal

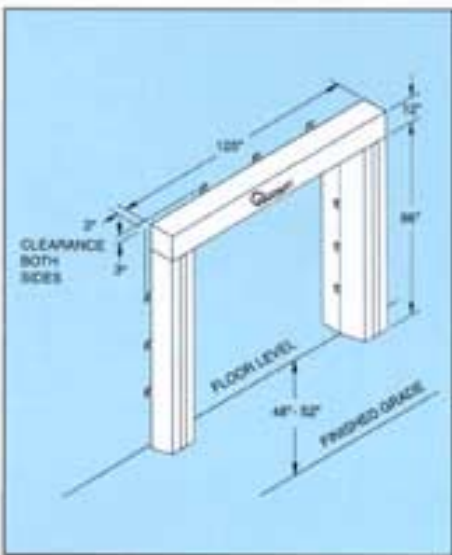


Suits door openings up to 9' wide x 9' high

Features

The PS-100 Fixed Header dock seal is a compressible, foam-filled, 3 sided dock seal. It is best suited for a door opening that is 8' wide x 8' high / 8' wide x 9' high which services trucks/trailers of approximately the same size. Once the PS-100 dock seal is compressed, a gasket seal is formed between the rear of the truck/trailer and the building.

NOTE: Consider a shelter (rigid or inflatable) or an L-shape dock seal for 9' wide door openings.



Specifications

Fixed Header dock seal(s) to be Model PS-100 as manufactured by Pentalf Equipment Corporation to suit a door opening of _____ wide x _____ high. Side pads and header seal to be constructed of polyurethane foam bonded to a 2" thick, kiln-dried wood backboard. Side pads to be _____ long and the header seal to be _____ wide, with a projection of _____. Cover to have bottom breathers. Cover fabric to be _____ with 4" wide, full-length, yellow guide stripes. Unit to be supplied complete with galvanized mounting hardware.

Options: Wear pleats
Deep curtain
Build-out box
Common member

PS-200A Adjustable Curtain Dock Seal

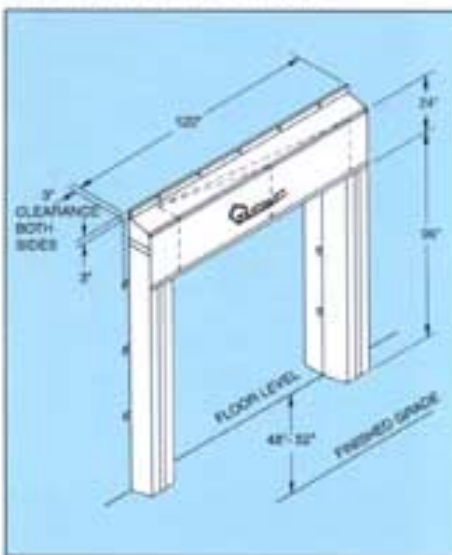


Suits door openings up to 9' wide x 10' high

Features

The PS-200A Adjustable Curtain dock seal is an effective solution for dock doors which service trucks/trailers of varying heights. After the truck/trailer compresses the side pads, the dock attendant simply lowers the adjustable header curtain to the truck/trailer top, to form a three-sided seal around the rear of the trailer. The adjustable header curtain of the PS-200A minimizes the potential for header damage, which can occur with fixed curtain type dock seals due to impact from forklift track mats or loads.

NOTE: Consider a shelter (rigid or inflatable) or an L-shape dock seal for 9' wide door openings.



Specifications

Adjustable Curtain dock seal(s) to be Model PS-200A as manufactured by Pentalf Equipment Corporation to suit a door opening of _____ wide x _____ high. Side pads to be _____ long x _____ projection, constructed of polyurethane foam bonded to a 2" thick, kiln-dried wood backboard. Side pads to have bottom breathers. Adjustable head curtain shall be full width over side pads, secured to the wall and side pads. Head curtain adjustment to be accomplished with rope control. Adjustable Head curtain to be _____ wide, with _____ drop. Cover fabric to be _____ with 4" wide, full-length, yellow guide stripes. Unit to be supplied complete with galvanized mounting hardware.

Options: Wear pleats
Pentalfing curtain
Build-out box
Common member

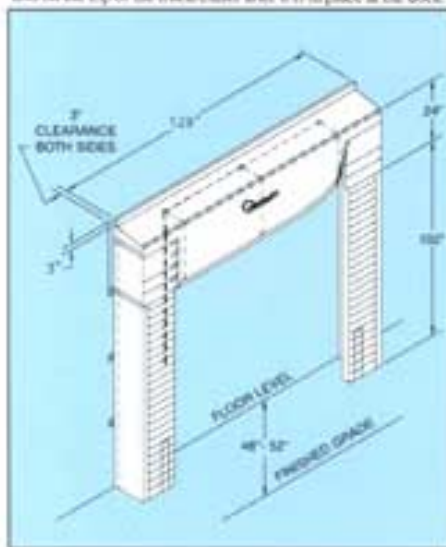
PS-700 L-Shape Dock Seal



Suits door openings up to 10' wide x 10' high

Features

The PS-700 L-Shape dock seal is an effective solution for larger door openings which service trucks/trailers of varying widths. The side pads yield to incoming trucks/trailers to reduce the possibility of damage to the seal and/or building. The PS-700 has the sealing capability of a conventional foam seal. It forms a three-sided seal around the rear of the truck/trailer and still allows for complete and unobstructed access to the truck/trailer. The PS-700's Pentastow adjustable head curtain minimizes the potential for curtain damage. The Pentastow curtain adjusts to a wide range of truck/trailer heights. The head curtain is dropped into position on the top of the truck/trailer after it is in place at the dock.



Specifications

L-Shape dock seal(s) to be Model PS-700 as manufactured by Pentlift Equipment Corporation to suit a door opening _____ wide x _____ high. Side pads to be _____ long x _____ projection, constructed of polyurethane foam bonded to a 2" thick, kiln-dried wood backboard. Pentastow head curtain to be full width over side pads, secured to the wall and side pads. Pentastow curtain to be adjusted by centralized rope control once truck/trailer is in position. Pentastow curtain to be _____ wide, with _____ drop. Cover fabric to be _____ with 4" wide, yellow guide stripes. Unit to be supplied complete with galvanized mounting hardware.

Options: Wear Plates
Bottom flap

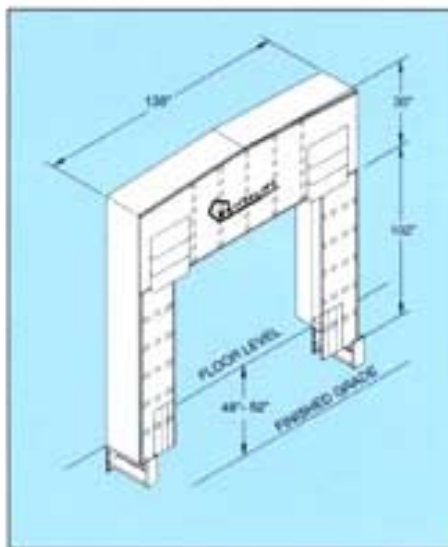
PS-400 Rigid Truck Shelter



Suits door openings up to 12' wide x 12' high

Features

The PS-400 Rigid truck shelter is designed to allow complete, unobstructed access to the rear of a truck/trailer for easier loading/unloading operations. The curtains of the shelter seal the top and sides of the trailer by exerting pressure through stays (fiberglass spring material) built into the top and side curtains. Standard units are supplied with bottom draft pads and heavy-duty structural steel protective guards.



Specifications

Rigid Truck Shelter(s) to be Model PS-400 as manufactured by Pentlift Equipment Corporation to suit a door opening _____ wide x _____ high. Unit size to be _____ wide x _____ high x _____ projection. Unit's side and head frames to be manufactured using pressure treated lumber. Frame assemblies to have factory installed translucent panels. The head frame is to be raked to allow for side drainage. Fiberglass stays, heavy-duty structural steel protective guards, and bottom draft pads are to be supplied as standard. All curtains to have aluminum finishing angles on the outside edges. Inside leading edges of the curtains to have foam beads to seal against the truck/trailer. Header and side curtains to be manufactured from _____ fabric with double thickness, abrasion resistant, overlapping wear pleats at truck/trailer impact areas.

Options: Split header curtain
Taper units
Common member

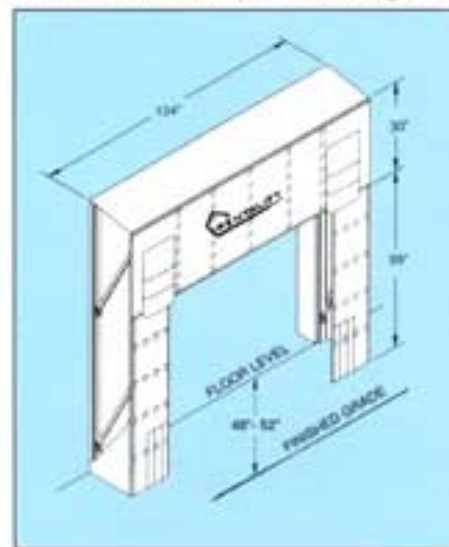
PS-500 Retractable Truck Shelter



Suits door openings up to 12' wide x 12' high

Features

The PS-500 Retractable truck shelter is best suited for facilities with large doors and where the entire truck/trailer door opening must be unobstructed. The PS-500 retractable truck shelter retracts upon impact from off-center trucks without sustaining damage. All metal components are aluminum to provide a clean, aesthetically pleasing look. The PS-500's structural members are custom-extruded tube made from aluminum, a corrosion resistant material which offers a superior strength-to-weight ratio. Fiberglass stays, which are built into the curtains, exert sufficient pressure to seal the top and sides of the truck/trailer once it is in position at the loading dock.



Specifications

Retractable truck shelter(s) to be Model PS-500 as manufactured by Pentlift Equipment Corporation to suit door opening _____ wide x _____ high. Unit size to be _____ wide x _____ high x _____ projection. Unit to be manufactured using high strength aluminum components. All curtains to have aluminum finishing angles on the outside edges. Inside leading edges of the curtains to have foam beads to seal against the truck/trailer. Header and side curtains to be manufactured from _____ fabric with built in fiberglass stays. Unit to have double thickness, abrasion-resistant, overlapping wear pleats at truck/trailer impact areas.

Options: Bottom pads
Split header curtain

Inflatable Dock Seals and Truck Shelters

Pentalift Equipment Corporation, North America's most progressive manufacturer of loading dock equipment has re-designed and refined the original inflatable dock seal/shelter product. Using state of the art computer aided design programs, innovative manufacturing technologies and taking full advantage of the revolutionary developments in cover materials, Pentalift inflatables surpass comparable conventional models in performance and product value. Pentalift Inflatable Truck Shelters are designed to "bug" a truck/trailer by inflating down against the top of the trailer and inward against its sides. When not in use, Pentalift inflatables are kept deflated. This prolongs their service life and allows when desired additional building ventilation.



Pentalift inflatables provide an effective seal, accommodate the widest range of truck/trailer configurations and eliminate excessive pressure on the building wall. Pentalift inflatables provide the most effective weather-protected passageway between a building and a truck/trailer. They keep costly conditioned air inside the building. For more detailed information on the benefits and the styles of Pentalift inflatable dock seals and shelters, refer to brochure D015 "Pentalift Inflatable Dock Seals and Shelters"

Coverings and Colors*

Materials

Duralite ■

16 oz. Hypalon ■

Black

* Other colors available by special order.

Common Options



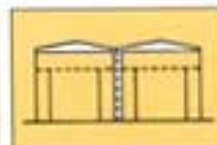
Metal Hood



Common Member



Interlock Switch



50/50 Foam/Air

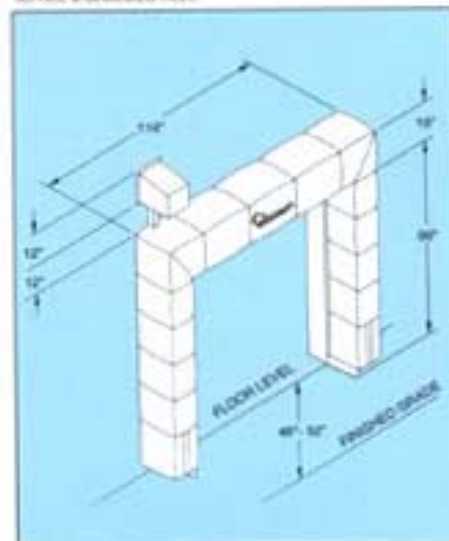
PSI-150 Fixed Header Inflatable Dock Seal



Suits door openings 8' wide x 8' high

Features

The PSI-150 Fixed Header Inflatable dock seal is best suited for use on doors up to 8' wide x 8' high. When the PSI-150 is inflated, it provides a weather tight, energy efficient seal. The unit inflates to meet the truck/trailer in position at the dock, thereby eliminating impact pressure on the building wall. When deflated, the unit retracts around the perimeter of the loading dock door. The PSI-150 is well suited for loading dock situations that service a dedicated fleet.



Specifications

Fixed Header Inflatable dock seal(s) to be Model PSI-150 as manufactured by Pentalift Equipment Corporation to suit door opening _____ wide x _____ high. Unit size to be _____ wide x _____ high x _____ projection. Unit to be manufactured in one piece (1 header and 2 side bags) and supplied with pressure treated wood backboards. Side bags to have bottom breathers to allow for air release and moisture discharge. Cover fabric to be _____ with 4" wide, yellow guide stripes. Unit to be supplied with 1/12 hp, 115/180 motor/blower complete with galvanized hood, mounting brackets and manual on/off activation switch with overload protection and indicator light.

Options: Overhead door interlock
Dock leveler interlock

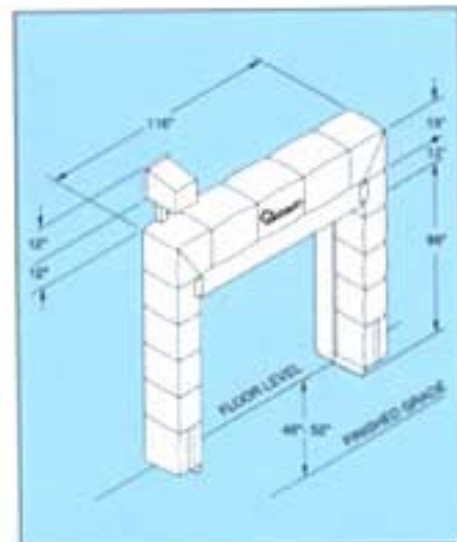
PSI-250 Adjustable Curtain Inflatable Dock Seal



Suits door openings 8' wide x 8' high / 8' wide x 9' high

Features

The PSI-250 Adjustable Curtain Inflatable dock seal shares all of the characteristics of the Model PSI-150 with the added benefit of an adjustable head curtain. The adjustable head curtain increases the sealing range of the PSI-250 by 12". It is able to service lower height trucks/trailers.



Specifications

Adjustable Curtain Inflatable dock seal(s) to be Model PSI-250 as manufactured by Pentalift Equipment Corporation to suit a door opening _____ wide x _____ high. Unit size to be _____ wide x _____ high x _____ projection. Unit to be manufactured in one piece with one 12" Pentairing adjustable head curtain and 2 inflatable side bags. Side bags to have bottom breathers to allow for air release and moisture discharge. Cover fabric to be _____ with 4" wide, yellow guide stripes. Unit to have pressure treated wood backboards. Unit to be supplied with a 1/12 hp, 115/180 motor/blower complete with galvanized hood, mounting brackets and manual on/off activation switch with overload protection and indicator light.

Options: Additional curtain drop
Overhead door interlock
Dock leveler interlock

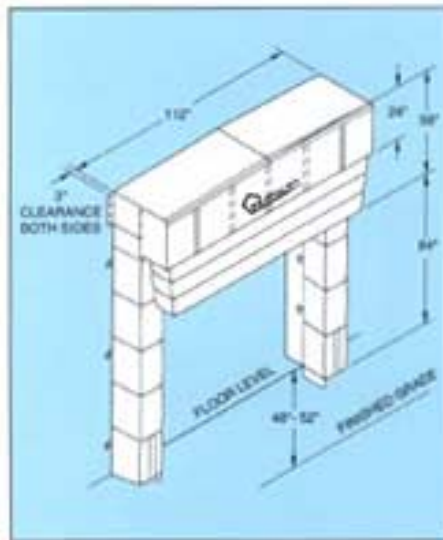
PSI-350 Adjustable Header Inflatable Dock Seal



Suits door openings up to 8' wide x 10' high

Features

The PSI-350 Adjustable Header Inflatable dock seal is the ideal solution for sealing door openings up to 8' wide x 10' high servicing truck/trailers of variable heights. Inclined or declined approaches to the loading dock are easily accommodated since the 100% air filled side bags inflate, to form a seal against the rear of the trailer, while the header inflates and seals the top of the truck/trailer. The PSI-350 is well suited for loading docks that service trucks/trailers of varying widths and heights.



Specifications

Adjustable Header Inflatable dock seal(s) to be Model PSI-350 as manufactured by Pentlift Equipment Corporation to suit a door opening _____ wide x _____ high. Unit size to be _____ wide x _____ high x _____ projection. 100% air filled side and top bags have breathers to allow for air and moisture discharge. Inflatable header to be full width over side bags and shall retract by means of a torsion spring assembly. Inflatable header assembly to be installed in a full aluminum-trimmed raked protective canopy with the motor/blower mounted to the underside. Motor/blower to be 1/2 hp, 115/180. Cover fabric to be _____ complete with 4" wide, yellow guide stripes. Unit to be supplied with manual on/off activation switch with overload protection and indicator light.

Options:

- 50% foam / 50% air
- All foam side pads
- Additional drop in head bag
- Overhead door interlock
- Dock leveler interlock

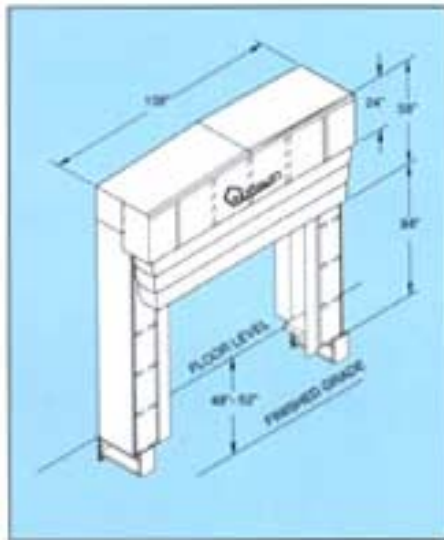
PSI-450 Rigid Inflatable Dock Shelter



Suits door openings up to 12' wide x 12' high

Features

The PSI-450 Rigid Inflatable dock shelter is the ideal choice to allow complete, unobstructed access to the rear of a truck/trailer for easier loading/unloading. The air bags of the PSI-450 inflate quickly to contact both the top and sides of the truck/trailer for the most effective seal. The inflatable air bags retract back behind the protective curtains when not in use. The unit is supplied complete with bottom pads and heavy-duty, structural steel protective guards.



Specifications

Rigid Inflatable dock shelter(s) to be Model PSI-450 as manufactured by Pentlift Equipment Corporation to suit a door opening _____ wide x _____ high. Unit size to be _____ wide x _____ high x _____ projection. Unit to consist of two 100% air filled side bags mounted on pressure treated wood frames with full aluminum trim. All air bags to have an internal retraction system and breathers for air and moisture discharge. Inflatable header assembly to be installed in a full aluminum-trimmed raked protective canopy with the motor/blower mounted to the underside. Motor/blower to be 1/2 hp, 115/180. Cover fabric to be _____ Unit to have 4" wide, yellow guide stripes, include bottom pads and protective steel guards. Unit to be supplied with manual on/off activation switch with overload protection and indicator light.

Options:

- Additional drop in head bag
- Overhead door interlock
- Dock leveler interlock
- Common member

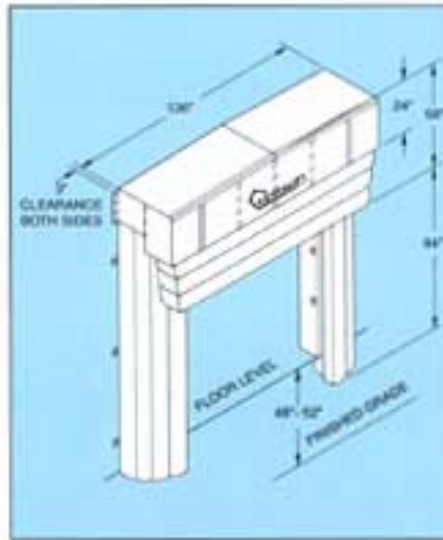
PSI-550 Retractable Inflatable Truck Shelter



Suits door openings up to 10' wide x 12' high

Features

The PSI-550 Retractable Inflatable track shelter design has no projecting framework in the contact areas. This prevents shelter damage due to truck/trailer impact. It works exceptionally well in tight applications or where trailers have to "jack-knife" into position. The PSI-550 inflates around the sides and top of the trailer to provide for full, unobstructed access to the rear of the trailer for uncomplicated loading/unloading operations.



Specifications

Retractable Inflatable track shelter(s) to be Model PSI-550 as manufactured by Pentlift Equipment Corporation to suit a door opening _____ wide x _____ high x _____ projection. Bottom of wrap around 100% air filled side bags and header to have breathers to allow for air and moisture discharge. Side bags to have internal retraction system. Inflatable header assembly to be installed in a full aluminum-trimmed raked protective canopy with the motor/blower mounted to the underside. Motor/blower to be 1/2 hp, 115/180. Unit when inflated to allow unobstructed access to truck/trailer. Cover fabric to be _____ Unit to be supplied with manual on/off activating switch with overload protection and indicator light.

Options:

- Additional drop in head bag
- Overhead door interlock
- Dock leveler interlock

Rail Shelters

Pentalift Rail Shelters provide a weather-protected passageway between a building and a rail car. Rail shelters eliminate heat, cold, rain, ice and snow from loading dock areas and reduce energy costs. They will also contribute to improved efficiency and safety at the dock and protect both personnel and product.



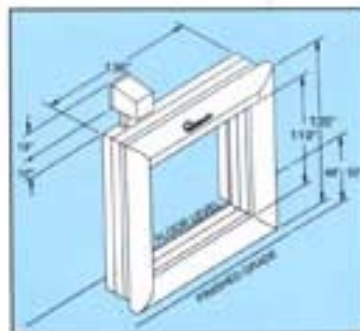
Typical installation of a Pentalift inflatable rail shelter. The shelter in the foreground of the photo (PSI-650) is fully inflated to show the extension or projection possible from building wall. When not in use, the inflatable rail shelter rests deflated against the wall. The PS-600 retractable rail shelter (not shown) is positioned and retracted manually.

PSI-650 Inflatable Rail Shelter

Suits door openings up to 10' wide x 10' high

Features

The PSI-650 inflatable rail shelter provides the most effective weather-protected passageway between a rail car and the loading dock. When activated, the PSI-650 inflates to contact the rail car to create and maintain a positive seal. This results in a reduction in heating/cooling costs, it protects products and increases safety. When not in use, the unit rests deflated against the building wall.



Specifications (for 3 sided shelter)

Inflatable rail shelter(s) to be Model PSI-650 as manufactured by Pentalift Equipment Corporation to suit a door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Unit to be manufactured in one piece (2 side bags and 1 header) and supplied with pressure treated wood backboards. Side bags to have bottom breathers for air release and moisture discharge. Header to be sloped to allow for side drainage. Cover fabric to be _____. Unit to be supplied with a 1/2 hp, 115/180 motorblower complete with galvanized hood, mounting hardware and manual on/off activating switch with overload protection and indicator light.

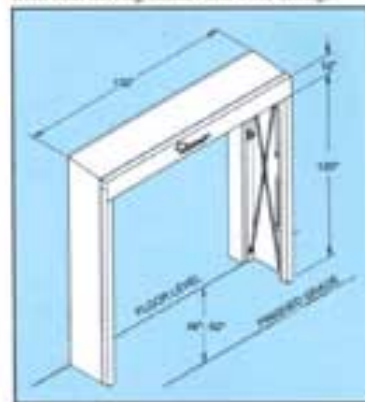
Note: 4 sided shelter illustrated.

PS-600 Retractable Rail Shelter

Suits door openings up to 10' wide x 10' high

Features

The PS-600 is a general-purpose, retractable rail shelter. It provides a weather-protected passageway between a rail car and the loading dock. The PS-600 is easily positioned. The spring-tensioned shelter is manually extended to contact the rail car. When the loading/unloading is complete, it is easily retracted by hand to its stored position, to protect it from both moving railcars and wind damage.



Specifications

Retractable rail shelter(s) to be Model PS-600 as manufactured by Pentalift Equipment Corporation to suit a door opening _____" wide x _____" high. Unit size to be _____" wide x _____" high x _____" projection. Unit to be manufactured from pressure treated wood with independent spring-tensioned scissor arms of painted steel tubing which extend to the rail car. Cover pad for sides and top to be _____ (bottom: 4 sided only). Unit to be sloped for drainage. Front end of shelter to have header and side pads made of polyurethane foam covered with _____ fabric.

Option: up to 12" drop curtain