

MAIN FRAME CONSTRUCTION: welded steel tubular guide construction with formed sheet steel guarding

CARRIAGE CONSTRUCTION: welded carriage with 2" (51 mm) diameter front and back sealed dual ball bearing wheels and adjustable low friction plastic side stabilizer guide pads

PLATFORM CONSTRUCTION: totally enclosed side walls consisting of 1" (24.5 mm) tubular framing and sheet metal siding

UNDER CARRIAGE SAFETY: totally enclosed bottom formed steel safety pan

AUTOMATIC LOWER RAMP: 16" (406 mm) long self-lowering ramp

MANUAL LOWER DEVICE: optional; manual hand crank to lower device available; access to adaptive shaft via safety interlocked top cap

FINISH: exterior grade powder coat paint (standard color is tan)
E-coated platform and landing gate parts; exterior grade powder coat paint (standard color is tan)

LIMIT SWITCHES: adjustable upper and lower limit switches and upper final limit switch

REMOTE CONTROL: optional; station includes separate landing call/send rocker switch or paddle controls and a keyed on/off switch

TOP LANDING GATE: optional; includes Bruno mechanical interlock which releases door, only when platform is at upper landing; electronic sensors stop platform from operating unless door is closed; also includes call/send rocker switch or paddle controls and keyed on/off switch mounted into gate frame

PLATFORM GATE: optional; includes Bruno mechanical interlock which releases door, only when platform is at lower landing; electronic sensors stop platform from operating unless door is closed

WEIGHT OF UNIT:

- AC-powered units:
 - Model VPL-3153: 777 lb (352 kg)
 - Model VPL-3175: 850 lb (386 kg)

- DC battery-powered units:
 - Model VPL-3153B: 777 lb (352 kg) (without batteries) (with batteries +40 to 80 lb /18 to 36 kg)
 - Model VPL-3175B: 850 lb (386 kg) (without batteries) (with batteries +40 to 80 lb /18 to 36 kg)

- All Models:
 - Platform Gate Option: 80 lb (36 kg)
 - Top Landing Gate Option: 99 lb (45 kg)
 - Top Landing Wide Gate Option: 108 lb (49 kg)

TESTING PERFORMED:

- 1) life cycle test performed at manufacturer's location
- 2) ASME A18.1/CSA B613-00 code tests performed at manufacturer's location

OPTIONS:

- 1) tool for manual lowering device
- 2) platform canopy (not available for 90° platforms or 42" x 60" straight-through platforms)
- 3) cold-weather package [recommended if operating temperature is below 20°F (-7°C)]
- 4) door/gate operator (used for power-assisted landing door/gate)
- 5) platform gate operator (used for power-assisted platform gate on unenclosed models)
- 6) single timer (used with electric strike interlocks)
- 7) second handrail
- 8) hardwire kit

VPL Job Site Preparation

The following is a list of general operations designed to prepare the job site for installation of the VPL. This list is provided as a guide to help the installer. For a complete list of requirements check the installation site's applicable local codes.

Electrical Requirements:

- **AC-powered units:** require a dedicated GFI 120V, 15A, 60 Hz single phase circuit to operate. Check applicable local codes for all electrical and wiring requirements.
- **DC battery-powered units:** Check applicable local codes for all electrical and wiring requirements. If it is determined that a GFI (Ground Fault Interrupter) outlet is required; use a GFI 120V, 15A, 60 Hz single phase circuit to operate the internal battery charger (charger draws 3A max.). National Electrical Code requires a GFI is used in all outdoor or wet environment applications.

Platform Pathway Requirements:

Make sure the pathway that the platform runs in is clear of any electrical conduit and wire ways. Make sure no liquids, steam or gas piping discharge into the pathway, and make sure that there is sufficient headroom clearance (minimum of 80") throughout floor to floor travel. Make sure the area is sufficiently lit.

Floor Recommendations:

4" thick, 3500 PSI minimum compressive strength, reinforced concrete slab. Refer to technical drawings for minimum slab dimensions. If the temperature can fall below freezing, it is recommended that you insert an insulation sheet between the concrete slab and the compacted rock.

Floor Attachment:

VPL must be fastened to concrete slab using four (4) 1/2" (3/8" bolt) x minimum 2 1/2" long concrete anchors suitable for the environment. Refer to technical drawings for mounting hole locations. Follow selected concrete anchor manufacturer's guidelines and applicable codes.

Housing Attachment:

None required. Can use 5/16-18 tapped holes on tower frame work to fasten the tower housing to a vertical wall for additional stability. Note: Housing must remain intact.

Top Gate Attachment:

Refer to VPL gate technical drawing (see below).

Space Requirements:

Refer to VPL-3100 technical drawing (see below).

Platform-to-Top Landing Sill Clearance:

ASME code indicates the platform floor-to-sill clearance at the upper landing shall not be less than 3/8" (9.5 mm) nor exceed 3/4" (19 mm). Follow applicable local codes.

Fascia Wall Requirements:

ASME code indicates that fascia should be smooth and non-perforated that guards the full length and width of the platform. The fascia shall be securely fastened from the upper landing sill down to the lower landing sill. It should also be able to withstand a 125-pound side load over any 4-inch square area. Follow applicable local codes.

Technical Drawings (*available at www.bruno.com*):

- ILS-00932 Straight-Through Platform (No Pit)
- ILS-00933 Straight-Through Platform With Platform Gate (Pit Application)
- ILS-00934 90°/Adjacent Exit Platform (No Pit)
- ILS-00935 90°/Adjacent Exit Platform With Platform Gate (Pit Application)
- ILS-00938 Top Landing Gate Detail