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This Manu-Spec® utilizes the Construction Specifications Institute (CSI) *Project Resource Manual* (PRM), including *MasterFormat*™, *SectionFormat*™ and *PageFormat*™. A Manu-Spec is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets [ ]; delete optional text in final copy of specification. Specifier Notes precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate product model numbers, styles and types are used in Specifier Notes and in the specification text Article titled "Acceptable Material." Metric conversion, where used, is soft metric conversion.

This Manu-Spec specifies vertical wheelchair lifts manufactured by Bruno Independent Living Aids, Inc. Revise Manu-Spec section number and title below to suit project requirements, specification practices and section content. Refer to CSI MasterFormat for other section numbers and titles.

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VERTICAL WHEELCHAIR LIFTS

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes: This Section specifies vertical wheelchair lifts.

Specifier Note: Revise Paragraph below to suit project requirements. Add section numbers and titles per CSI MasterFormat and specifier's practice.

B. Related Requirements:

Specifier Note: Include in this Paragraph only those sections and documents that directly affect the work of this section. If a reader of this section could reasonably expect to find a product or component specified in this section, but it is actually specified elsewhere, then the related section number(s) should be listed in the Subparagraph below. Do not include Division 00 documents or Division 01 sections since it is assumed that all technical sections are related to all project Division 00 documents and Division 01 sections to some degree. Refer to other documents with caution since referencing them may cause them to be considered part of the Contract.

1. Division 26 – Electrical; for rough-in and connections.
2. [___].

1.2 REFERENCES

Specifier Note: Define terms that are unique to this Section and are not provided elsewhere in the contract documents. Include in this Article terms that are unique to the work result specified that may not be commonly known in the construction industry.

Specifier Note: Paragraph below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain References Paragraph when specifying products and installation by an industry reference standard. List retained standard(s) referenced in this section alphabetically. Indicate issuing authority name, acronym, standard designation

and title. Establish policy for indicating edition date of standard referenced. Contract Conditions Section 01 42 00 - References may establish the edition date of standards. This Paragraph does not require compliance with standard(s). It is a listing of all references used in this section. Only include here standards that are referenced in the body of the specification in PARTS 1, 2 and/or 3. Do not include references to building codes at any level.

A. Reference Standards:
   1. American Society of Mechanical Engineers (ASME); latest editions:
      a. ASME A17.1 Safety Code for Elevators and Escalators.
      b. ASME A17.5 Elevator and Escalator Electrical Equipment.
      c. ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts.
   2. Canadian Standards Association (CSA); latest editions:
      a. CSA B44.1 Elevator and Escalator Electrical Equipment.
      b. CSA B355 Lifts for Persons with Physical Disabilities.
   3. [___].

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Contract Conditions and Section 01 33 00 – Submittal Procedures.

1.3 SUBMITTALS

A. Product Data: Manufacturer's standard specifications, descriptive literature and certifications, including:
   1. Catalog cut-sheets.
   2. Sample warranty.
   3. [___].
   4. [___].

B. Shop Drawings: Graphic information specifically prepared for this project, including:
   1. Dimensioned plans, elevations, sections and construction details indicating full extent of work required for vertical wheelchair lifts.
   2. Verified field dimensions.
   3. [___].

Specifier Note: Specify submittals to document manufacturer's storage, installation and other instructions.

C. Manufacturer's Written Instructions, including:
   1. Delivery, storage and handling.
   2. Preparation and Installation.
   3. Maintenance.
   4. [___].

Specifier Note: Coordinate Article below with Contract Conditions and with Section 01 78 36 – Warranties.

D. Warranty: Fully executed, issued in [Owner's] name, and registered with manufacturer, including:
   1. Manufacturer's [2-year] limited warranty, from date of substantial completion, covering defects in materials and workmanship for major components.
   2. Manufacturer's [1-year] limited warranty, from date of substantial completion, covering defects in materials and
   3. [___].

1.4 QUALITY ASSURANCE

A. Installer: Acceptable to manufacturer, experienced in performing work of this section and specialized in installation of work similar to that required for this project.

B. [___].

1.5 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in accordance with manufacturer's written instructions.

B. Deliver materials in manufacturer's original unopened packaging with identification labels intact.

C. Store materials protected from exposure to harmful weather conditions and at temperature conditions in accordance with manufacturer's written instructions.

Specifier Note: USGBC's LEED® certification includes credits for the diversion of construction waste from landfill. Diversion can be tracked by either weight or volume but must be consistent for all materials. Manufacturer may reclaim packaging and delivery materials for recycling.

D. Remove packaging materials from site and dispose of at appropriate recycling facilities.

E. [___].

PART 2 PRODUCTS

Specifier Note: Retain Article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal", "approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.1 VERTICAL WHEELCHAIR LIFTS

Specifier Note: Include in the following Paragraph; manufacturer's name, address, phone number, fax number, email address and website URL.

A. Manufacturer: Bruno Independent Living Aids, Inc.; 1780 Executive Dr.; Oconomowoc, WI 53066; Tel: 844-755-5546; Tel: 800-848-3056; Fax: 262-953-5501; Email: commercialvlp@bruno.com ; Website: www.bruno.com/cvpl.

1. Single Source Responsibility: Provide components and materials specified in this section from a single manufacturer.

Specifier Note: Substitution procedures must either be in the Contract Conditions or in Section 01 25 00 – Substitution Procedures. Do not include substitution procedures here.

2. Substitutions: In accordance with [Contract Conditions] [Section 012500 – Substitution Procedures] [No substitutions permitted].

Specifier Note: Include an overall description of the system, assembly, product or material. Include required properties or characteristics that do not obviously belong under other titles. Examples: Configuration, size and color.

B. Product: VPL-3300B Series Vertical Platform Lifts; designed to lift single passenger with wheelchair, scooter or motorized chair to maximum height of 14 feet (4267 mm); weatherproof for interior or exterior use.

Specifier Note: VPL-3300B Series lifts are available in 4 lift types as specified below, including:

1. Types:
   a. Unenclosed: Designed with minimum floor space required; including, drive tower, platform, platform gate, upper landing gate, automatic folding ramp, and controls.
   b. Enclosed: Designed with full enclosure from lower landing to upper landing including, drive tower, platform, enclosure, tower wing walls, lower landing door, upper landing gate [stationary ramp] and controls.

c. Hoistway*: Designed for installation inside building hoistway constructed on-site, including drive tower, platform, doors, [stationary ramp,] and controls.

d. 3-Gate*: Designed with enclosure at lower landing including, drive tower, gate, lower landing gate, upper landing gate, stationary sidewall and tower wing walls, [stationary ramp,] and controls.

*Include stationary ramp for enclosed, hoistway and 3-gate type lifts installed without pit.

Specifier Note: VPL-3300B Series lifts are available in 4 platform sizes for each model, except 3-Gate type of Model VPL-3353B which is not available in 42 by 60 inch (1067 by 1524 mm) size. Select platform size to meet project requirements.

2. Platform size: [Standard 36 by 54 inches (914 by 1372 mm)] [36 by 48 inches (914 by 1219 mm)] [36 by 60 inches (914 by 1524 mm)] [42 by 60 inches (1067 by 1524 mm)].
3. Finish and color: Powder coat finish unless noted otherwise, with non-slip additive on walking surfaces; champagne color.

Specifier Note: Rated capacity is standard for each model in VPL-3300B Series.

4. Rated capacity: 750 pound (340 kg).

Specifier Note: VPL-3300B Series lifts can be installed with or without a 3 inch (76 mm) deep pit. Select installation method to meet project requirements.

5. Installation method: [With pit] [Without pit].

C. Model: VPL-3353B

Specifier Note: VPL-3353B is available in 4 types. Select type to meet project requirements.

1. Type: [Unenclosed] [Enclosed] [Hoistway] [3-Gate].
2. Number of stops: Two.

Specifier Note: VPL-3353B is available with 2 platform configurations, except 3-Gate type which is only available with straight through configuration. "Straight through" refers to entrance at front of lift in lowered position, with exit at back of lift in raised position, or the opposite. "90 degrees, adjacent side" refers to entrance at front of lift in lowered position, and exit at side of lift opposite drive tower in raised position, or the opposite. Select configuration to meet project requirements.

3. Platform configuration: [Straight through] [90 degrees, adjacent side].
4. Minimum travel height: 11 inches (279 mm).
5. Maximum travel height: 53 inches (1346 mm).
6. Weight: 897 pounds (407 kg).

Specifier Note: Select common components, including drive tower and platform for each type of VPL-3353B.

7. Components:
   a. Drive tower, including:
      1) Main frame: Steel tube guides with formed steel sheet back; welded construction.
      2) Travel carriage: Steel tube and plate fabrication with 2¼ inch (57 mm) diameter front and back sealed dual-ball-bearing wheels, and adjustable low-friction plastic side stabilizer pads.
      3) DC battery-powered drive system, including:
         a) Primary drive: ½ hp motor, 1750 rpm, 24V DC permanent magnet, 20 full-load amps, continuous duty.
         b) Intermediate reduction: Dual 4L style poly-V belts and pulleys with 3.94:1 reduction.
         c) Final drive: 1 inch (25 mm) diameter Acme screw with bronze nut and safety back-up nut.
         d) Motor controller: 24V DC relay control with 35A circuit breaker and disconnect.
         e) Braking: Precision landing control.

Specifier Note: Batteries are available in 2 sizes. Select batteries to meet project requirements.

4) Batteries (2): [12V DC; 17Ah] [12V DC; 34Ah].
5) Internal battery charger: 5A, 24V DC output with 120V AC, 3A 60 Hz input.
6) Emergency lowering: Manual hand crank.
7) Limit switches: Adjustable upper and lower limit switches; upper and lower final limit switches.
8) Drive tower cabinet: Formed steel sheet enclosure with top; bolted assembly.

Specifier Note: Platform controls are available with rocker or paddle type up-down switches. Select type of switch.

b. Platform: Formed steel floor with fully enclosed bottom safety panel (unenclosed application only); 42 inch (1067 mm) high sidewalls with 1 inch (25 mm) metal tube frames fitted with sheet metal panels; grab bar; lighted, platform controls with keyed on-off switch, continuous pressure up-down [rocker] [paddle] switch, and emergency stop with audio visual alarm.

Specifier Note: Select type specific components, including platform gate, upper landing gate, and automatic folding ramp for unenclosed type of VPL-3353B.

c. Platform gate: 42 inch (1067 mm) high; 1½ inch (38 mm) metal tube frame fitted with 16 gauge steel panel, hinges, latch plate, and pull handle; electro-mechanical interlock releases gate with platform at lower landing; electronic sensors stop platform from operating unless gate is locked.

Specifier Note: Upper landing gate is available in 36 or 42 inch widths. Select width to match platform configuration.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

d. Upper landing gate: [36 inch (9914 mm)] [42 inch (1067 mm)] wide by 42 inch (1067 mm) high; 1½ inch (38 mm) square by 12 gauge, steel tube frame with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.
e. Automatic folding ramp: 16 inch (406 mm) long by width of platform; self-lowering.

Specifier Note: Select type specific components, including enclosure, tower wing walls, lower landing door and upper landing gate for enclosed type of VPL-3353B.

Specifier Note: Enclosure is available with clear acrylic or bronze acrylic panels. Select type of panels.

f. Enclosure: Aluminum frame with [clear acrylic] [bronze acrylic] panels.
g. Tower wing walls: 1½ inch (38 mm) metal tube frames fitted with sheet metal panels; extend full-height of enclosure.

Specifier Note: Lower landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Lower landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

h. Lower landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at lower landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button scontinuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.

Specifier Note: Upper landing gate is available in 36 or 42 inch widths. Select width to match platform configuration.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

i. Upper landing gate: 42 inch (1067 mm) high by [36 inch (9914 mm)] [42 inch (1067 mm)] wide; 1½ inch (38 mm) square by 12 gauge, steel tube frame fitted with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.

Specifier Note: Select type specific components, including landing doors for hoistway type of VPL-3353B.

Specifier Note: Landing doors are available in aluminum, steel and wood. Select type of door to meet project requirements.

Specifier Note: Aluminum landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Aluminum landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into door frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

j. [[Aluminum landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color]].

Specifier Note: Steel landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

k. [[Steel landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; fire rated; steel door and frame with view window, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; shop primed for on-site paint finish]]

Specifier Note: Wood landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

l. [Wood landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; solid, oak veneered flush door and steel frame with, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; unfinished door with shop primed frame for on-site finish.]]

Specifier Note: Select type specific components, including platform gate, lower landing gate, upper landing gate, stationary sidewall and tower wing walls for 3-gate type of VPL-3353B.

m. Platform gate: 42 inch (1067 mm) high; 1½ inch (38 mm) metal tube frame fitted with 16 gauge steel panel, hinges, latch plate, and pull handle; electro-mechanical interlock releases gate with platform at lower landing; electronic sensors stop platform from operating unless gate is locked.

Specifier Note: Lower landing gate is available with electro-mechanical interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

n. Lower landing gate: 56 inch (1422 mm) high; 1½ inch (38 mm) square by 12 gauge steel tube frame fitted with 16 gauge steel insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts; [electro-mechanical] interlock releases gate with platform at lower landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

o. Upper landing gate: 42 inch (1067 mm) high by [36 inch (9914 mm)] [42 inch (1067 mm)] wide; 1½ inch (38 mm) square by 12 gauge, steel tube frame fitted with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.

p. Stationary sidewall and tower wing walls: 56 inch (1422 mm) high; 1½ inch (38 mm) metal tube frames fitted with sheet metal panels.

D. Model: VPL-3375B

Specifier Note: VPL-3375B is available in 3 types. Select type to meet project requirements.

1. Type: [Unenclosed] [Enclosed] [Hoistway].
2. Number of stops: Two.

Specifier Note: VPL-3375B is available with 2 platform configurations. "Straight through" refers to entrance at front of lift in lowered position, with exit at back of lift in raised position, or the opposite. "90 degrees, adjacent side" refers to entrance at front of lift in lowered position, and exit at side of lift opposite drive tower in raised position, or the opposite. Select configuration to meet project requirements.

3. Platform configuration: [Straight through] [90 degrees, adjacent side].
4. Minimum travel height: 32 inches (813 mm).

Specifier Note: VPL-3375B has different maximum travel heights for different lift types. Select 60 inch (1524 mm) maximum travel height for unenclosed lift type; or 75 inch (1905 mm) maximum travel height for enclosed and hoistway lift types.

5. Maximum travel height: [60 inch (1524 mm)] [75 inch (1905 mm)].
6. Weight: 970 pounds (440 kg).

Specifier Note: Select common components, including drive tower and platform for each type of VPL-3375B.

7. Components:
   a. Drive tower, including:
      1) Main frame: Steel tube guides with formed steel sheet back; welded construction.
      2) Travel carriage: Steel tube and plate fabrication with 2¼ inch (57 mm) diameter front and back sealed dual-ball-bearing wheels, and adjustable low-friction plastic side stabilizer pads.
      3) DC battery-powered drive system, including:
         a) Primary drive: ½ hp motor, 1750 rpm, 24V DC permanent magnet, 20 full-load amps, continuous duty.
         b) Intermediate reduction: Dual 4L style poly-V belts and pulleys with 3.94:1 reduction.
         c) Final drive: 1 inch (25 mm) diameter Acme screw with bronze nut and safety back-up nut.
         d) Motor controller: 24V DC relay control with 35A circuit breaker and disconnect.
         e) Braking: Precision landing control.

Specifier Note: Batteries are available in 2 sizes. Select batteries to meet project requirements.

      4) Batteries (2): [12V DC; 17Ah] [12V DC; 34Ah].
      5) Internal battery charger: 5A, 24V DC output with 120V AC, 3A 60 Hz input.
      6) Emergency lowering: Manual hand crank.
      7) Limit switches: Adjustable upper and lower limit switches; upper and lower final limit switches.
      8) Drive tower cabinet: Formed steel sheet enclosure with top; bolted assembly.

Specifier Note: Platform controls are available with rocker or paddle type up-down switches. Select type of switch.

   b. Platform: Formed steel floor with fully enclosed bottom safety panel (unenclosed applications only); 42 inch (1067 mm) high sidewalls with 1 inch (25 mm) metal tube frames fitted with sheet metal panels; grab bar; lighted, platform controls with keyed on-off switch, continuous pressure up-down [rocker] [paddle] switch, and emergency stop with audio visual alarm.

Specifier Note: Select type specific components, including platform gate, upper landing gate, and automatic folding ramp for unenclosed type of VPL-3375B.

c. Platform gate: 42 inch (1067 mm) high; 1½ inch (38 mm) metal tube frame fitted with 16 gauge steel panel, hinges, latch plate, and pull handle; electro-mechanical interlock releases gate with platform at lower landing; electronic sensors stop platform from operating unless gate is locked.

Specifier Note: Upper landing gate is available in 36 or 42 inch widths. Select width to match platform configuration.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

d. Upper landing gate: [36 inch (9914 mm)] [42 inch (1067 mm)] wide by 42 inch (1067 mm) high; 1½ inch (38 mm) square by 12 gauge, steel tube frame with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.
e. Automatic folding ramp: 16 inch (406 mm) long by width of platform; self-lowering.

Specifier Note: Select type specific components, including enclosure, tower wing walls, lower landing door, and upper landing gate for enclosed type of VPL-3375B.

Specifier Note: Enclosure and upper landing door is available with clear acrylic or bronze acrylic panels. Select type of panels.

f. Enclosure: Aluminum frame with [clear acrylic] [bronze acrylic] panels.
g. Tower wing walls: 1½ inch (38 mm) metal tube frames fitted with sheet metal panels; extend full-height of enclosure.

Specifier Note: Lower landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Lower landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

h. Lower landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at lower landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.

Specifier Note: Upper landing gate is available in 36 or 42 inch widths. Select width to match platform configuration.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

i. Upper landing gate: 42 inch (1067 mm) high by [36 inch (9914 mm)] [42 inch (1067 mm)] wide; 1½ inch (38 mm) square by 12 gauge, steel tube frame fitted with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.

Specifier Note: Select type specific components, including landing doors for hoistway type of VPL-3375B.

Specifier Note: Landing doors are available in aluminum, steel and wood. Select type of door to meet project requirements.

Specifier Note: Aluminum landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Aluminum landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into door frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

j. [[Aluminum landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.]]

Specifier Note: Steel landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

k. [[Steel landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; fire rated; steel door and frame with view window, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; shop primed for on-site paint finish]]

Specifier Note: Wood landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are available remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

l. [[Wood landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; solid, oak veneered flush door and steel frame with, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls,

[remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; unfinished door with shop primed frame for on-site finish.]]

E. Model: VPL-3310B

Specifier Note: VPL-3310B is available in 2 types. Select type to meet project requirements.

1. Type: [Enclosed] [Hoistway].

Specifier Note: VPL-3310B is available with 2 or 3 stops. Select number of stops to meet project requirements.

2. Number of stops: [Two] Both enclosed and hoistway, [Three] only hoistway.

Specifier Note: VPL-3310B is available with 3 platform configurations. "Straight through" refers to entrance at front of lift in lowered position, with exit at back of lift in raised position, or the opposite. "90 degrees, adjacent side" refers to entrance at front of lift in lowered position, and exit at side of lift opposite drive tower in raised position, or the opposite. "Same side" refers to entrance at front of lift in lowered position, with exit at front of lift in raised position, or the opposite. Select configuration to meet project requirements.

3. Platform configuration: [Straight through] [90 degrees, adjacent side] [Same side].
4. Maximum travel height: 123 inches (3124 mm).
5. Weight: 1210 pounds (549 kg).

Specifier Note: Select common components, including drive tower and platform for each type of VPL-3310B.

6. Components:
   a. Drive tower, including:
      1) Main frame: Steel tube guides with formed steel sheet back; welded construction.
      2) Travel carriage: Steel tube and plate fabrication with 2¼ inch (57 mm) diameter front and back sealed dual-ball-bearing wheels, and adjustable low-friction plastic side stabilizer pads.
      3) DC battery-powered drive system, including:
         a) Primary drive: 1 hp motor, 1750 rpm, 24V DC permanent magnet, 20 full-load amps, continuous duty.
         b) Intermediate reduction: Dual 4L style poly-V belts and pulleys with 3.94:1 reduction.
         c) Final drive: 1¼ inch (32 mm) diameter Acme screw with bronze nut and safety back-up nut.
         d) Motor controller: 24V DC relay control with 60A circuit breaker and disconnect.
         e) Braking: Precision landing control.
      4) Batteries (2): 12V DC; 34Ah.
      5) Internal battery charger: 5A, 24V DC output with 120V AC, 3A, 60 Hz input.
      6) Emergency battery lowering: Lockable, keyed switch for lowering platform by means of separate battery located inside electrical control box.
      7) Limit switches: Adjustable upper and lower limit switches; upper and lower final limit switches.
      8) Drive tower cabinet: Formed steel sheet enclosure with top; bolted assembly.

Specifier Note: Platform controls are available with rocker or paddle type up-down switches. Select type of switch.

   b. Platform: Formed steel floor with fully enclosed bottom safety panel (unenclosed applications only); 42 inch (1067 mm) high sidewalls with 1 inch (25 mm) metal tube frames fitted with sheet metal panels; grab bar; lighted, platform controls with keyed on-off switch, continuous pressure up-down [rocker] [paddle] switch, and emergency stop with audio visual alarm.

Specifier Note: Select type specific components, including enclosure, tower wing walls, lower landing door, and upper landing gate for enclosed type of VPL-3310B.

Specifier Note: Enclosure is available with clear acrylic or bronze acrylic panels. Select type of panels.

c. Enclosure: Aluminum frame with [clear acrylic] [bronze acrylic] panels.

d. Tower wing walls: 1½ inch (38 mm) metal tube frames fitted with sheet metal panels; extend full-height of enclosure.

Specifier Note: Lower landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Lower landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

e. Lower landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at lower landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.

Specifier Note: Upper landing gate is available in 36 or 42 inch widths. Select width to match platform configuration.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

f. Upper landing gate: 42 inch (1067 mm) high by [36 inch (9914 mm)] [42 inch (1067 mm)] wide; 1½ inch (38 mm) square by 12 gauge, steel tube frame fitted with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.

Specifier Note: Select type specific components, including landing doors for hoistway type of VPL-3310B.

Specifier Note: Landing doors are available in aluminum, steel and wood. Select type of door to meet project requirements.

Specifier Note: Aluminum landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Aluminum landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into aluminum door frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

g. [[Aluminum landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.]]

Specifier Note: Steel landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

h. [[Steel landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; fire rated; steel door and frame with view window, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; shop primed for on-site paint finish.]]

Specifier Note: Wood landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are available built into door frame or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

i. [[Wood landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; solid, oak veneered flush door and steel frame with, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; unfinished door with shop primed frame for on-site finish.]]

F. Model: VPL-3312B

Specifier Note: VPL-3312B is available in 2 types. Select type to meet project requirements.

1. Type: [Enclosed] [Hoistway].

Specifier Note: VPL-3312B is available with 2 or 3 stops. Select number of stops to meet project requirements.

2. Number of stops: [Two] Both enclosed and hoistway, [Three] only hoistway.

Specifier Note: VPL-3312B is available with 3 platform configurations. "Straight through" refers to entrance at front of lift in lowered position, with exit at back of lift in raised position, or the opposite. "90 degrees, adjacent side" refers to entrance at front of lift in lowered position, and exit at side of lift opposite drive tower in raised position, or the opposite. "Same side" refers to entrance at front of lift in lowered position, with exit at front of lift in raised position, or the opposite. Select configuration to meet project requirements.

3. Platform configuration: [Straight through] [90 degrees, adjacent side] [Same side].
4. Maximum travel height: 147 inches (3734 mm).
5. Weight: 1304 pounds (591 kg).

Specifier Note: Select common components, including drive tower and platform for each type of VPL-3312B.

6. Components:
   a. Drive tower, including:
      1) Main frame: Steel tube guides with formed steel sheet back; welded construction.

2) Travel carriage: Steel tube and plate fabrication with 2¼ inch (57 mm) diameter front and back sealed dual-ball-bearing wheels, and adjustable low-friction plastic side stabilizer pads.
3) DC battery-powered drive system, including:
   a) Primary drive: 1 hp motor, 1750 rpm, 24V DC permanent magnet, 20 full-load amps, continuous duty.
   b) Intermediate reduction: Dual 4L style poly-V belts and pulleys with 3.94:1 reduction.
   c) Final drive: 1¼ inch (32 mm) diameter Acme screw with bronze nut and safety back-up nut.
   d) Motor controller: 24V DC relay control with 60A circuit breaker and disconnect.
   e) Braking: Precision landing control.
4) Batteries (2): 12V DC; 34Ah.
5) Internal battery charger: 5A, 24V DC output with 120V AC, 3A, 60 Hz input.
6) Emergency battery lowering: Lockable, keyed switch for lowering platform by means of separate battery located inside electrical control box.
7) Limit switches: Adjustable upper and lower limit switches; upper and lower final limit switches.
8) Drive tower cabinet: Formed steel sheet enclosure with top; bolted assembly.

Specifier Note: Platform controls are available with rocker or paddle type up-down switches and aluminum upper landing doors. Select type of switch.

b. Platform: Formed steel floor with fully enclosed bottom safety panel (unenclosed applications only); 42 inch (1067 mm) high sidewalls with 1 inch (25 mm) metal tube frames fitted with sheet metal panels; grab bar; lighted, platform controls with keyed on-off switch, continuous pressure up-down [rocker] [paddle] switch, and emergency stop with audio visual alarm.

Specifier Note: Select type specific components, including enclosure, tower wing walls, lower landing door, and upper landing gate for enclosed type of VPL-3312B.

Specifier Note: Enclosure is available with clear acrylic or bronze acrylic panels. Select type of panels.

c. Enclosure: Aluminum frame with [clear acrylic] [bronze acrylic] panels.
d. Tower wing walls: 1½ inch (38 mm) metal tube frames fitted with sheet metal panels; extend full-height of enclosure.

Specifier Note: Lower landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Lower landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

e. Lower landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at lower landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.

Specifier Note: Upper landing gate is available in 36 or 42 inch widths. Select width to match platform configuration.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

f. Upper landing gate: 42 inch (1067 mm) high by [36 inch (9914 mm)] [42 inch (1067 mm)] wide; 1½ inch (38 mm) square by 12 gauge, steel tube frame fitted with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.

Specifier Note: Select type specific components, including landing doors for hoistway type of VPL-3312B.

Specifier Note: Landing doors are available in aluminum, steel and wood. Select type of door to meet project requirements.

Specifier Note: Aluminum landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Aluminum landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into aluminum door frame only or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

g. [[Aluminum landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at lower landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.]]

Specifier Note: Steel landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

h. [[Steel landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; fire rated; steel door and frame with view window, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; shop primed for on-site paint finish]]

Specifier Note: Wood landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are available built into door frame or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

i. [[Wood landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; solid, oak veneered flush door and steel frame with, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls,

[remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; unfinished door with shop primed frame for on-site finish.]]

G. Model: VPL-3314B

Specifier Note: VPL-3314B is available in 2 types. Select type to meet project requirements.

1. Type: [Enclosed] [Hoistway].
2. Number of stops: [Two] Both enclosed and hoistway, [Three] only hoistway.

Specifier Note: VPL-3314B is available with 3 platform configurations. "Straight through" refers to entrance at front of lift in lowered position, with exit at back of lift in raised position, or the opposite. "90 degrees, adjacent side" refers to entrance at front of lift in lowered position, and exit at side of lift opposite drive tower in raised position, or the opposite. "Same side" refers to entrance at front of lift in lowered position, with exit at front of lift in raised position, or the opposite. Select configuration to meet project requirements.

3. Platform configuration: [Straight through] [90 degrees, adjacent side] [Same side].
4. Maximum travel height: 171 inches (4343 mm).
5. Weight: 1400 pounds (635 kg).

Specifier Note: Select common components, including drive tower and platform for each type of VPL-3314B.

6. Components:
   a. Drive tower, including:
      1) Main frame: Steel tube guides with formed steel sheet back; welded construction.
      2) Travel carriage: Steel tube and plate fabrication with 2¼ inch (57 mm) diameter front and back sealed dual-ball-bearing wheels, and adjustable low-friction plastic side stabilizer pads.
      3) DC battery-powered drive system, including:
         a) Primary drive: 1 hp motor, 1750 rpm, 24V DC permanent magnet, 20 full-load amps, continuous duty.
         b) Intermediate reduction: Dual 4L style poly-V belts and pulleys with 3.94:1 reduction.
         c) Final drive: 1¼ inch (32 mm) diameter Acme screw with bronze nut and safety back-up nut.
         d) Motor controller: 24V DC relay control with 60A circuit breaker and disconnect.
         e) Braking: Precision landing control.
      4) Batteries (2): 12V DC; 34Ah.
      5) Internal battery charger: 5A, 24V DC output with 120V AC, 3A, 60 Hz input.
      6) Emergency battery lowering: Lockable, keyed switch for lowering platform by means of separate battery located inside electrical control box.
      7) Limit switches: Adjustable upper and lower limit switches; upper and lower final limit switches.
      8) Drive tower cabinet: Formed steel sheet enclosure with top; bolted assembly.

Specifier Note: Platform controls are available with rocker or paddle type up-down switches. Select type of switch.

   b. Platform: Formed steel floor with fully enclosed bottom safety panel (unenclosed applications only); 42 inch (1067 mm) high sidewalls with 1 inch (25 mm) metal tube frames fitted with sheet metal panels; grab bar; lighted, platform controls with keyed on-off switch, continuous pressure up-down [rocker] [paddle] switch, and emergency stop with audio visual alarm.

Specifier Note: Select type specific components, including enclosure, tower wing walls, lower landing door, and upper landing gate and aluminum upper doors for enclosed type of VPL-3314B.

Specifier Note: Enclosure is available with clear acrylic or bronze acrylic panels. Select type of panels.

   c. Enclosure: Aluminum frame with [clear acrylic] [bronze acrylic] panels.
   d. Tower wing walls: 1½ inch (38 mm) metal tube frames fitted with sheet metal panels; extend full-height of enclosure.

Specifier Note: Lower landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Lower landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

e. Lower landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at lower landing; electronic sensors stop platform from operating unless door is locked; landing controls, [built into frame with push button continuous pressure up-down switches] [remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.

Specifier Note: Upper landing gate is available in 36 or 42 inch widths. Select width to match platform configuration.

Specifier Note: Upper landing gate is available with steel, clear acrylic and bronze acrylic insert panel. Select type of panel.

Specifier Note: Upper landing gate is available with electro-mechanical or electric strike interlock. Select type of interlock.

Specifier Note: Landing controls are available built into gate post or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

f. Upper landing gate: 42 inch (1067 mm) high by [36 inch (9914 mm)] [42 inch (1067 mm)] wide; 1½ inch (38 mm) square by 12 gauge, steel tube frame fitted with [16 gauge steel] [clear acrylic] [bronze acrylic] insert panel, hinges,latch plate, cam locking actuator, and pull handle; 3 inch (76 mm) by 1½ inch (38 mm) by 12 gauge steel gate posts welded to 5 inch (127 mm) by 4¾ inch (121 mm) by 3⁄16 inch (5 mm) thick steel mounting flange; [electro-mechanical] [electric strike] interlock releases gate with platform at upper landing; electronic sensors stop platform from operating unless gate is locked; landing controls, [built into gate post] [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch.

Specifier Note: Select type specific components, including landing doors for hoistway type of VPL-3314B.

Specifier Note: Landing doors are available in aluminum, steel and wood. Select type of door to meet project requirements.

Specifier Note: Aluminum landing door is available in 36 or 45 inch widths. Select width to match platform configuration.

Specifier Note: Aluminum landing door is available with clear or bronze acrylic insert panels. Select type of panels.

Specifier Note: Landing controls are available built into aluminum door frame or remotely located. Select location.

Specifier Note: Landing controls are available with remotely located rocker or paddle type switches. Push-button switches built into frame, aluminum doors only, up-down switches. Select type of switch.

g. [[Aluminum landing door: [36 inch (914 mm)] [45 inch (1143 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; aluminum stile and rail door and frame with [clear] [bronze] acrylic panels, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at lower landing; electronic sensors stop platform from operating unless door is locked; landing controls,[built into frame with push button continuous pressure up-down switches]

[remotely located [rocker] [paddle] continuous pressure up-down switch], with keyed on-off switch. Powder coat finish; champagne color.]]

Specifier Note: Steel landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

h. [[Steel landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; fire rated; steel door and frame with view window, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; shop primed for on-site paint finish]]

Specifier Note: Wood landing door is available in 36 or 46 inch widths. Select width to match platform configuration.

Specifier Note: Landing controls are available built into door frame or remotely located. Select location.

Specifier Note: Landing controls are available with rocker or paddle type up-down switches. Select type of switch.

i. [[Wood landing door: [36 inch (914 mm)] [46 inch (1168 mm)] wide by 80 inch (1067 mm)] high; non-fire rated; solid, oak veneered flush door and steel frame with, hinges, strike, closer, and pull handle; electric strike interlock releases door with platform at landing; electronic sensors stop platform from operating unless door is locked; landing controls, [remotely located], with keyed on-off switch and continuous pressure up-down [rocker] [paddle] switch; unfinished door with shop primed frame for on-site finish.]]

Specifier Note: Select lift accessories to meet project requirements. Schedule accessories for each lift on drawings or in PART 3, Attachments.

2.2 ACCESSORIES

A. [ADA compliant telephone kit with battery backup].

B. [Power assisted platform gate operator]

C. [Power assisted landing gate operator]

D. [Power assisted door operator].

E. [Cold weather package recommended for operating temperatures below 20 degrees F (minus 7 degrees C)].

F. [Pit switch].

G. [Flood sensor].

H. [Manual hand crank].

I. [Flood zone tower (electronics mounted in top section)].

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that conditions of work previously installed under other sections or contracts are acceptable for installation of vertical wheelchair lifts in accordance with manufacturer's written instructions and approved submittals.

1. Notify [Architect] of unacceptable conditions upon discovery.

2. Do not proceed with preparation and installation until unacceptable conditions have been corrected.

B. [___].

Specifier Note: Specify actions required to prepare the surface, area or site for incorporation of the section's primary products. Describe requirements for exposure or removal of existing assemblies, components, products or materials.

3.2 PREPARATION

Specifier Note: Specify preparatory work required prior to installation/application/erection of primary products.

A. Prepare mounting locations for installation in accordance with manufacturer's written instructions and approved submittals.

B. [___].

3.3 INSTALLATION

A. Install vertical wheelchair lifts in accordance with manufacturer's written instructions and approved submittals.

B. [___].

3.4 CLEANING

A. Clean-up waste and debris daily during installation.

B. Upon completion, remove surplus materials,remaining debris, tools and equipment.

C. Collect recyclable waste and dispose of as specified.

D. [___].

Specifier Note: Specify protection methods completed after installation, but prior to acceptance by the owner. Protection of surrounding areas and surfaces during application or installation is included under PART 3, Preparation. Include only statements unique to this Section.

3.5 PROTECTION

A. Protect installed products from damage during subsequent construction.

B. Repair damage to adjacent materials caused by installation of vertical wheelchair lifts.

C. [___].

3.6 ATTACHMENTS

Specifier Note: Schedules are sometimes placed in the specifications rather than on drawings. Include schedules that indicate item/element/product/equipment, location and other coordinating data.

Specifier Note: Lift components are adaptable to meet project requirements. Schedule components and accessories for each lift.

A. Vertical Lift Schedule:

B. [___].

END OF SECTION