



VPL-3100 Residential Vertical Platform Lift **Technical Specifications**

rev: (5) 10-23-2014
ILS-00834

MODEL NUMBER: VPL-3100 Series: Models VPL-3153 and VPL-3175 (AC-powered units)
Models VPL-3153B and VPL-3175B (DC-powered units)

U.S. F.D.A. CLASSIFICATION: Class II, 510(K) exempt

CLASSIFICATION NUMBER: 890.3930

PRODUCT CODE: PCE

ETL-Intertek C-US Listed: Control Number: 4004689

PERFORMANCE STANDARDS:

ASME A18.1-1999 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
ASME A18.1-2003 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
ASME A18.1-2005 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
ASME A18.1-2008 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
ASME A18.1-2011 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (R2012) Private Residence Lifts for Persons with Physical Disabilities
CSA B44.1-11/ASME A17.5-2011 Elevator and Escalator Electrical Equipment

RATED LOAD: 750 lb (340 kg) maximum

NUMBER OF PASSENGERS: 1 passenger with mobility device

APPLICATIONS: Residential, Indoors, Outdoors

DRIVE:

- **AC-powered units:** 1 hp motor; 1750 rpm, single phase, 120VAC, 60 Hz, 13.4 full load amps, 1.15 service factor, continuous duty
- **DC battery-powered units:**
 - *primary drive: ½ hp motor, 1750 rpm, 24VDC permanent magnet, 20 full load amps, continuous duty*
 - *5A, 24VDC output internal battery charger, 120VAC, 60 Hz, 3A maximum input power required*

INTERMEDIATE REDUCTION: dual 4L style poly-V belts and pulleys, 3.94:1 pulley reduction

FINAL DRIVE: 1" (24.5 mm) diameter Acme screw with bronze nut and bronze safety back up nut

MOTOR CONTROLLER:

- **AC-powered units:** 24VAC relay control with 15A circuit breaker
- **DC battery-powered units:** 24VDC relay control with 35A circuit breaker

BRAKING:

- **AC-powered units:** Precision landing control with solenoid-actuated screw braking
- **DC battery-powered units:** Precision landing control

STANDARD CONTROL: up and down rocker switch or paddle controls, continuous operation, key switch control

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EMERGENCY STOP SWITCH: (standard) red, sealed, 1.55" (39 mm) diameter mushroom head, push to stop, pull to reset; (Optional) red, sealed, 1.55" (39 mm) diameter mushroom head, illuminated with audio alarm, push to stop, pull to reset

SPEED:

- AC-powered units: 9 ft/min (0.04 m/s) maximum
- DC battery-powered units: 10 ft/min (0.05 m/s) maximum

LIFTING HEIGHT: model VPL-3153: 53" (1346 mm) maximum floor-to-floor height and 11" (279 mm) minimum floor-to-floor height;
model VPL-3175: 75" (1905 mm) maximum floor-to-floor height and 32" (813 mm) minimum floor-to-floor height

NUMBER OF LANDINGS: 2-Stop

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

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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

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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:** require a dedicated GFI 120V, 3A (max.), 60 Hz single phase circuit to operate the internal battery charger. Check applicable local codes for all electrical and wiring requirements.

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

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VPL-3200B Residential Vertical Platform Lift **Technical Specifications**

rev: (6) 10-23-2014
ILS-00986

MODEL NUMBER: VPL-3200B Series: *Models VPL-3210B, VPL-3212B and VPL-3214B (DC-powered units)*

U.S. F.D.A. CLASSIFICATION: Class II, 510(K) exempt

CLASSIFICATION NUMBER: 890.3930

PRODUCT CODE: PCE

ETL-Intertek C-US Listed: Control Number: 4004689

PERFORMANCE STANDARDS:

- ASME A18.1-1999 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
- ASME A18.1-2003 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
- ASME A18.1-2005 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
- ASME A18.1-2008 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
- ASME A18.1-2011 (Sec. 5) Safety Standards for Platform Lifts and Stairway Chairlifts
- CSA B613-00 (R2012) Private Residence Lifts for Persons with Physical Disabilities
- CSA B44.1-11/ASME A17.5-2011 Elevator and Escalator Electrical Equipment

RATED LOAD: 750 lb (340 kg) maximum

NUMBER OF PASSENGERS: 1 passenger with mobility device

APPLICATIONS: Residential, Indoors, Outdoors

DRIVE:

- **DC battery-powered units:**
 - *primary drive: 1 hp motor, 1750 rpm, 24VDC permanent magnet, 20 full-load amps, continuous duty*
 - *5A, 24VDC output internal battery charger, 120VAC, 60 Hz, 3A maximum input power required*

INTERMEDIATE REDUCTION: dual 4L style poly-V belts and pulleys, 3.94:1 pulley reduction

FINAL DRIVE: 1 1/4" (32 mm) diameter Acme screw with bronze nut and bronze safety back up nut

MOTOR CONTROLLER:

- **DC battery-powered units:** 24VDC relay control with 60A circuit breaker and disconnect

BRAKING:

- **DC battery-powered units:** precision landing control

STANDARD CONTROL: up and down rocker switch or paddle controls, continuous pressure, key switch control

EMERGENCY STOP SWITCH: (standard) red, sealed, 1.55" (39 mm) diameter mushroom head, push to stop, pull to reset; (optional) red, sealed, 1.55" (39 mm) diameter mushroom head, illuminated with audio alarm, push to stop, pull to reset

SPEED:

- **DC battery-powered units:** 10 ft/min (0.05 m/s) maximum

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LIFTING HEIGHT: model VPL-3210B: 123" (3124 mm) maximum floor-to-floor height;
model VPL-3212B: 147" (3734 mm) maximum floor-to-floor height;
model VPL-3214B: 171" (4343 mm) maximum floor-to-floor height

For pit applications, maximum floor-to-floor is measured from the bottom of the pit to the upper landing.

NUMBER OF LANDINGS: (standard) 2-Stop; (optional) 3-Stop

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

CARRIAGE CONSTRUCTION: welded carriage with 2.25" (57 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" (25 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 (standard on unenclosed applications)

EMERGENCY LOWERING: external lockable keyed switch for lowering platform by means of a separate battery located inside the electrical enclosure

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; upper final limit switch

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

REMOTE CONTROL: optional; station includes a 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

FLUSH MOUNT DOOR: optional; includes Von Duprin® electronic interlock which releases door only when platform is at door landing; electronic sensors stop platform from operating unless door is closed; offered as an oak door with steel frame (no fire rating) or a steel door with steel frame (90 min. fire rating including a viewing window); delay action hydraulic closer; keyed handle

STATIONARY RAMP: optional. 24" L x 36" W x 3" H (610 mm L x 914 mm W x 76 mm H) aluminum stationary ramp with anti-skid tan powder coat.

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WEIGHT OF UNIT:

- **DC battery-powered units:**
 - *Model VPL-3210B: 1210 lb (549 kg) (with batteries)*
 - *Model VPL-3212B: 1304 lb (591 kg) (with batteries)*
 - *Model VPL-3214B: 1400 lb (635 kg) (with batteries)*
- **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 top landing door/gate and lower landing door)
- 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) telephone kit
- 9) pit switch

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Electrical Requirements:

- **DC battery-powered units:** require a dedicated GFCI 120V, 3A (max.), 60 Hz single-phase circuit to operate the internal battery charger. Check applicable local codes for all electrical and wiring requirements.

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"– 2032 mm) throughout floor-to-floor travel. Make sure the area is sufficiently lit.

Floor Recommendations:

4" (102 mm) 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:

Use 5/16-18 tapped holes on tower frame work to fasten the tower housing to a vertical wall near or above the upper landing (200 lb/91 kg wall loading). Mounting brackets are supplied with unit.

Top Gate Attachment:

Refer to VPL gate technical drawing (see below).

Flush Mount Door Attachment:

Refer to VPL flush mount door detail drawing (see below).

Space Requirements:

Refer to VPL-3200B 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
- ILS-00980 Hoistway Straight-Through Platform (No Pit)
- ILS-00981 Hoistway Straight-Through Platform (Pit Application)
- ILS-00982 Hoistway 90°/Adjacent Exit Platform (No Pit)
- ILS-00983 Hoistway 90°/Adjacent Exit Platform (Pit Application)
- ILS-00984 Hoistway Same Side Platform (No Pit)
- ILS-00985 Hoistway Same Side Platform (Pit Application)
- ILS-01027 Flush Mount Door Detail

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UNENCLOSED STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

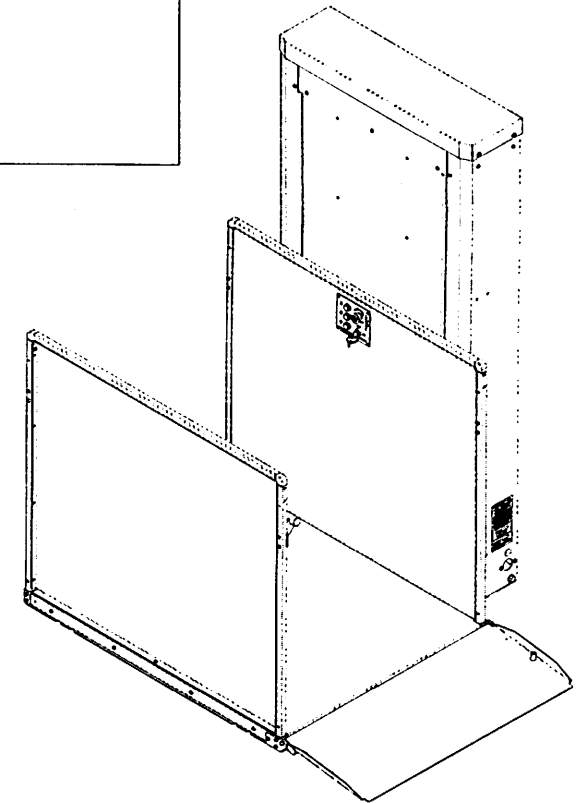
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD:	750 lbs maximum.
INPUT POWER SOURCE:	
-AC POWERED UNIT:	110-120 Volt 15 Amp 60 Hz dedicated service.
-DC BATTERY POWERED UNIT:	110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:	
-AC POWERED UNIT:	1 hp motor, 1750 rpm, single phase, 120 VAC, 1.15 service factor, continuous duty.
-DC BATTERY POWERED UNIT:	VPL-3100B: 1/2 hp motor, 1750 rpm, 24 VDC, continuous duty. VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION:	Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE:	VPL-3100: 1" dia. ACME screw w/bronze nut and bronze safety back up nut. VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:	
-AC POWERED UNIT:	24 VAC Relay control.
-DC BATTERY POWERED UNIT:	24 VDC Relay control.
SPEED:	
-AC POWERED UNIT:	9 feet per minute maximum.
-DC BATTERY POWERED UNIT:	10 feet per minute maximum.

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



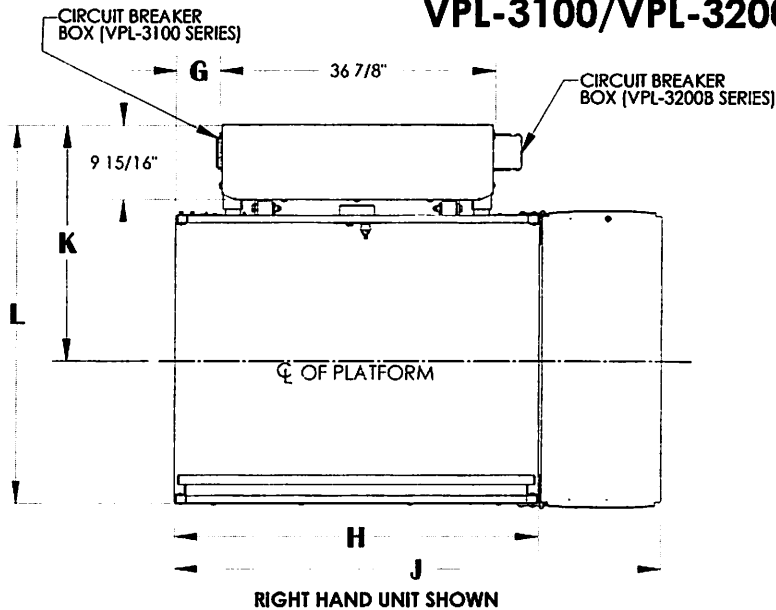
ILS-00932
SHEET 1 OF 5
REV. 6 (5328)(4/8/13)(DPG)

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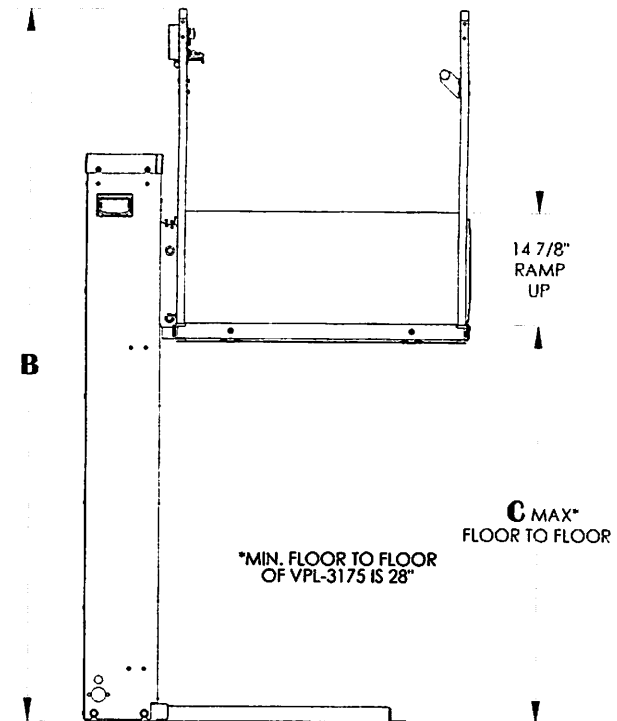
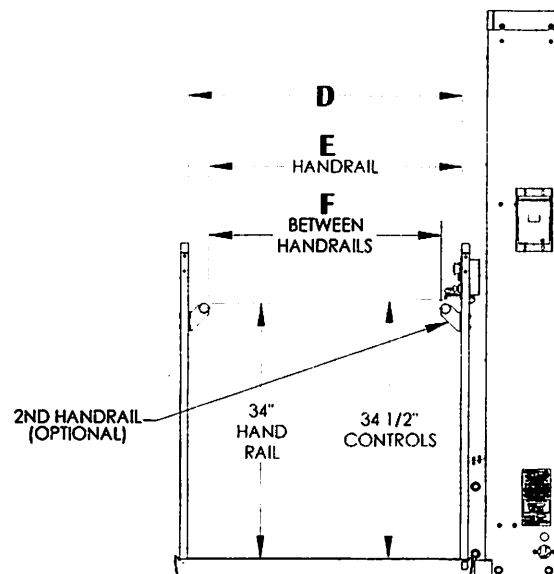
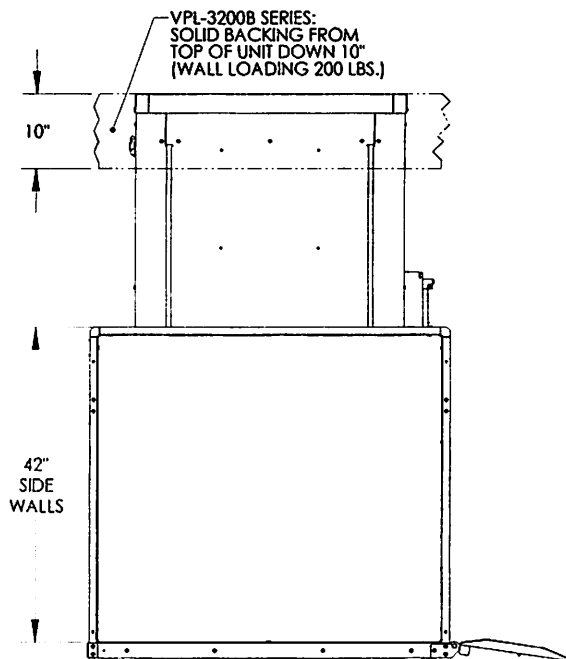
UNENCLOSED STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT



	D	E	F	G	H	J	K	L
36" X 48" PLATFORM	36-1/4"	33-1/2"	30-3/4"	5-3/4"	48-7/16"	64-5/8"	31-9/16"	50-13/16"
36" X 54" PLATFORM	36-1/4"	33-1/2"	30-3/4"	8-3/4"	54-7/16"	70-5/8"	31-9/16"	50-13/16"
36" X 60" PLATFORM	36-1/4"	33-1/2"	30-3/4"	11-3/4"	60-7/16"	76-5/8"	31-9/16"	50-13/16"
42" X 60" PLATFORM	42-1/4"	39-1/2"	36-3/4"	11-3/4"	60-7/16"	76-5/8"	34-9/16"	56-13/16"

	A	B	C
VPL-3153	75-9/16"	95"	53"
VPL-3175	97-9/16"	117"	75"
VPL-3210B	148-1/16"	165"	123"
VPL-3212B	172-1/16"	189"	147"
VPL-3214B	196-1/16"	213"	171"



NOTES: 1) ACCESS RAMP CAN BE MOUNTED ON EITHER SIDE OF THE PLATFORM
2) SEE ILS-00938 FOR LANDING GATE DETAIL/AUGMENT

ILS-00932
SHEET 2 OF 5
REV. 6 (5328)(4/8/13)(DPG)

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UNENCLOSED STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

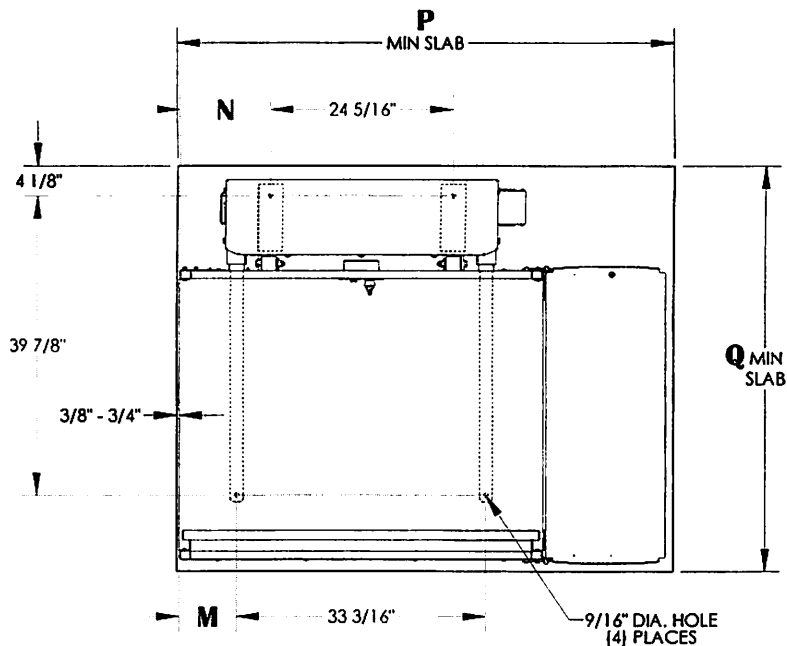
ANCHOR POINT LOCATIONS/SLAB DETAIL

TECHNICAL SPECIFICATIONS

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. FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



UNITS WITH STRAIGHT THROUGH PLATFORM

	M	N	P	Q
36" X 48" PLATFORM	7-5/8"	12-1/16"	66"	54"
36" X 54" PLATFORM	10-5/8"	15-1/16"	72"	54"
36" X 60" PLATFORM	13-5/8"	18-1/16"	78"	54"
42" X 60" PLATFORM	13-5/8"	18-1/16"	78"	60"

ILS-00932
SHEET 3 OF 5
REV. 6 (5328)(4/8/13)(DPG)

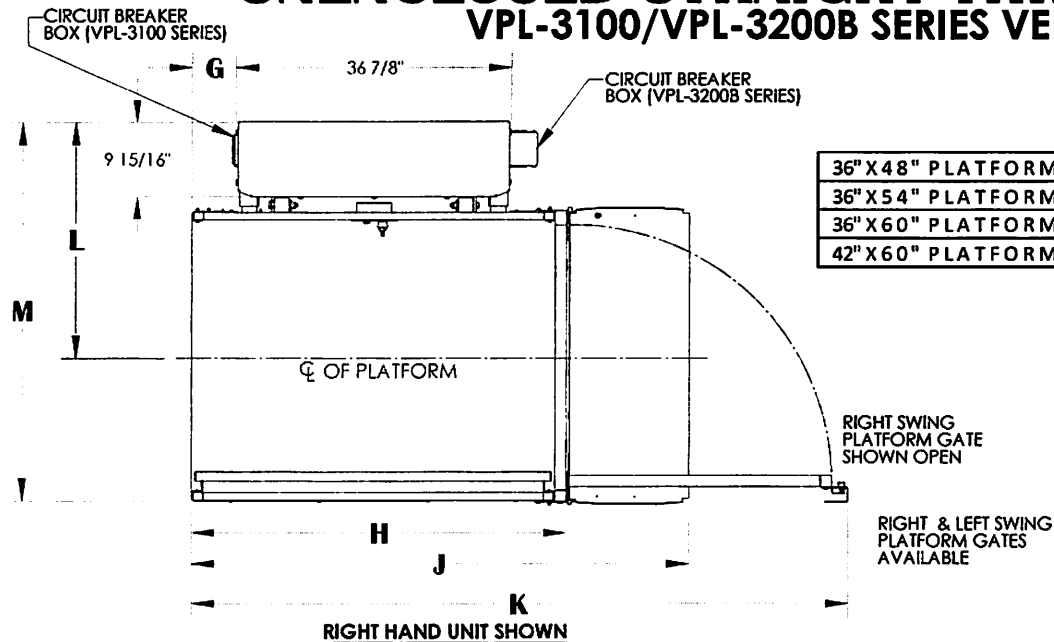
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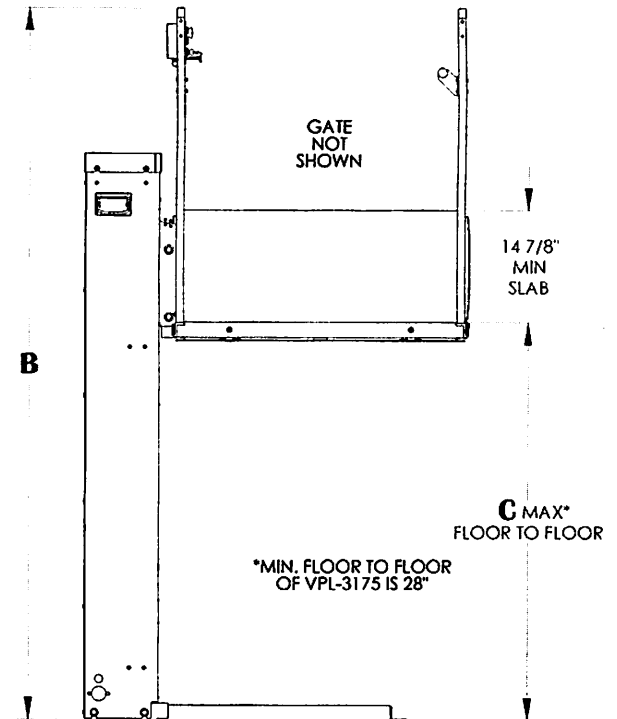
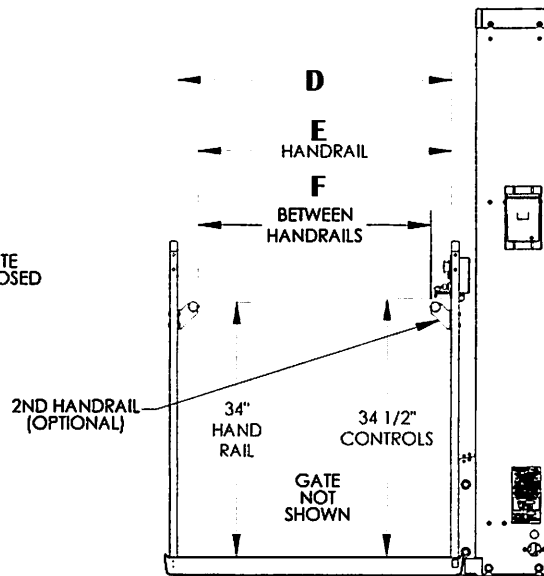
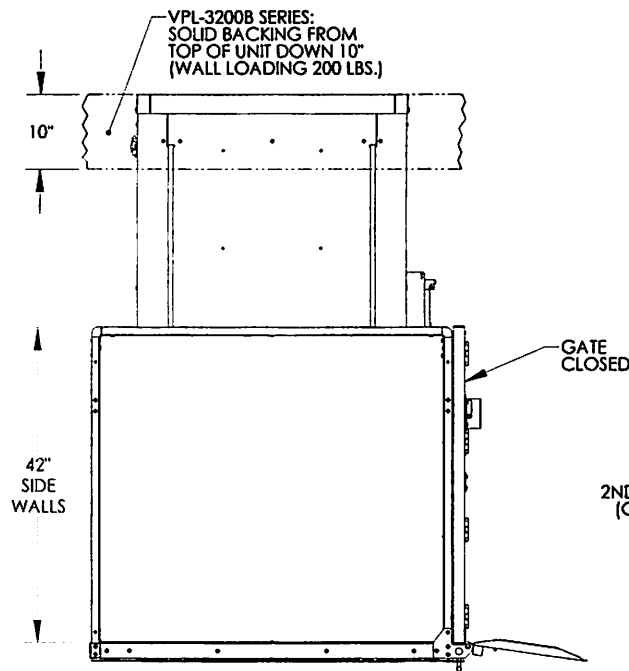
UNENCLOSED STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT



	D	E	F	G	H	J	K	L	M
36" X 48" PLATFORM	36-1/4"	33-1/2"	30-3/4"	5-3/4"	49-15/16"	66-1/8"	87-3/16"	31-9/16"	50-13/16"
36" X 54" PLATFORM	36-1/4"	33-1/2"	30-3/4"	8-3/4"	55-15/16"	72-1/8"	93-3/16"	31-9/16"	50-13/16"
36" X 60" PLATFORM	36-1/4"	33-1/2"	30-3/4"	11-3/4"	61-15/16"	78-1/8"	99-3/16"	31-9/16"	50-13/16"
42" X 60" PLATFORM	42-1/4"	39-1/2"	36-3/4"	11-3/4"	61-15/16"	78-1/8"	105-3/16"	34-9/16"	56-13/16"

	A	B	C
VPL-3153	75-9/16"	95"	53"
VPL-3175	97-9/16"	117"	75"
VPL-3210B	148-1/16"	165"	123"
VPL-3212B	172-1/16"	189"	147"
VPL-3214B	196-1/16"	213"	171"



- NOTES: 1) ACCESS RAMP & PLATFORM GATE CAN BE MOUNTED ON EITHER SIDE OF THE PLATFORM
2) SEE ILS-00938 FOR LANDING GATE DETAIL/ALIGNMENT

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ILS-00932
SHEET 4 OF 5
REV. 6 (5328)(4/8/13)(DPG)

UNENCLOSED STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

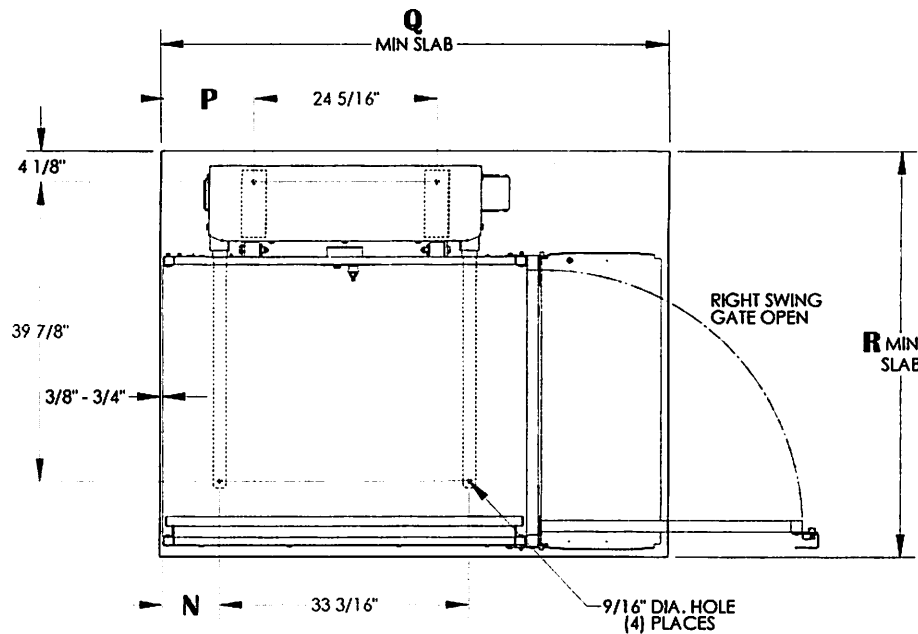
ANCHOR POINT LOCATIONS/SLAB DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



UNITS WITH STRAIGHT THROUGH PLATFORM WITH PLATFORM GATE

	N	P	Q	R
36" X 48" PLATFORM	7-5/8"	12-1/16"	67-1/2"	54"
36" X 54" PLATFORM	10-5/8"	15-1/16"	73-1/2"	54"
36" X 60" PLATFORM	13-5/8"	18-1/16"	79-1/2"	54"
42" X 60" PLATFORM	13-5/8"	18-1/16"	79-1/2"	60"

ILS-00932
SHEET 5 OF 5
REV. 6 (5328)(4/8/13)(DPG)

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UNENCLOSED STRAIGHT-THRU PLATFORM w/PLATFORM GATE (PIT APPLICATION)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

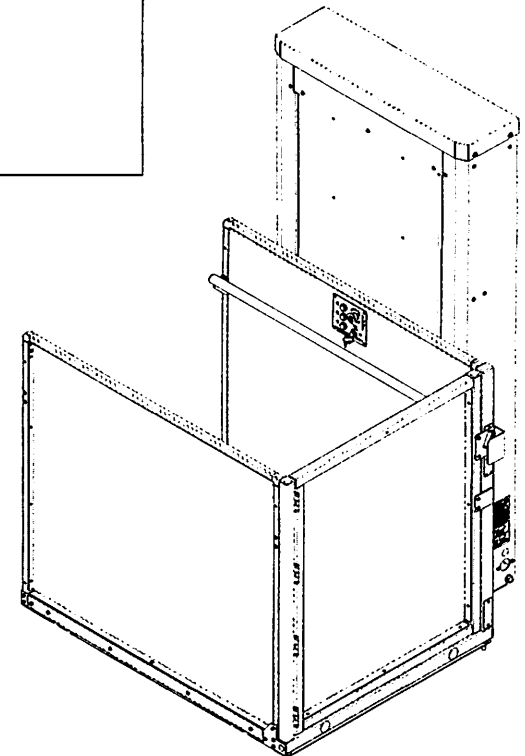
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD:	750 lbs maximum.
INPUT POWER SOURCE:	
-AC POWERED UNIT:	110-120 Volt 15 Amp 60 Hz dedicated service.
-DC BATTERY POWERED UNIT:	110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:	
-AC POWERED UNIT:	1 hp motor, 1750 rpm, single phase, 120 VAC, 1.15 service factor, continuous duty.
-DC BATTERY POWERED UNIT:	VPL-3100B: 1/2 hp motor, 1750 rpm, 24 VDC, continuous duty. VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION:	Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE:	VPL-3100: 1" dia. ACME screw w/bronze nut and bronze safety back up nut. VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:	
-AC POWERED UNIT:	24 VAC Relay control.
-DC BATTERY POWERED UNIT:	24 VDC Relay control.
SPEED:	
-AC POWERED UNIT:	9 feet per minute maximum.
-DC BATTERY POWERED UNIT:	10 feet per minute maximum

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



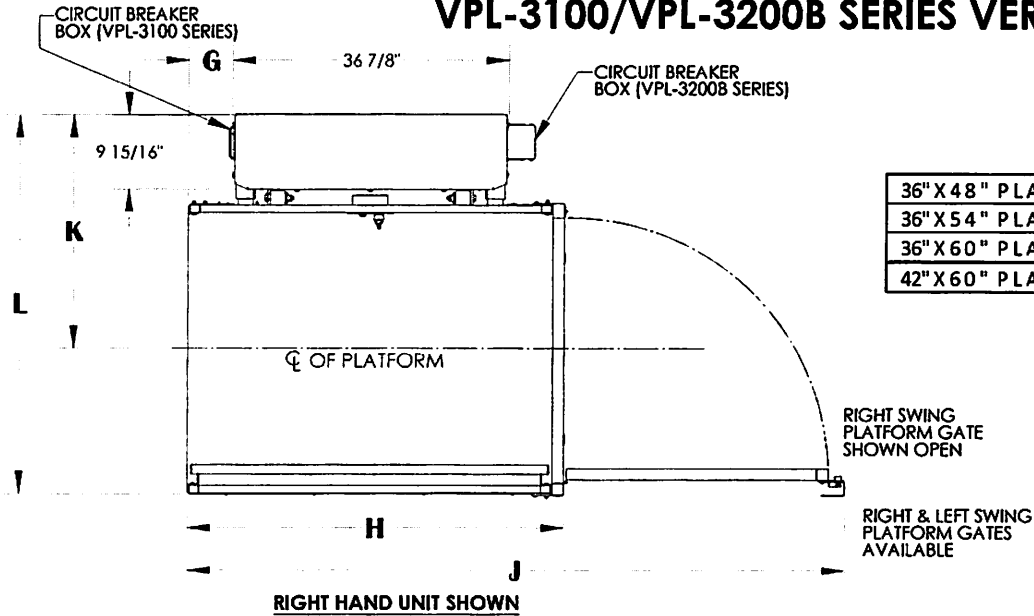
ILS-00933
SHEET 1 OF 3
REV. 6 (5328)(4/8/13)(DPG)

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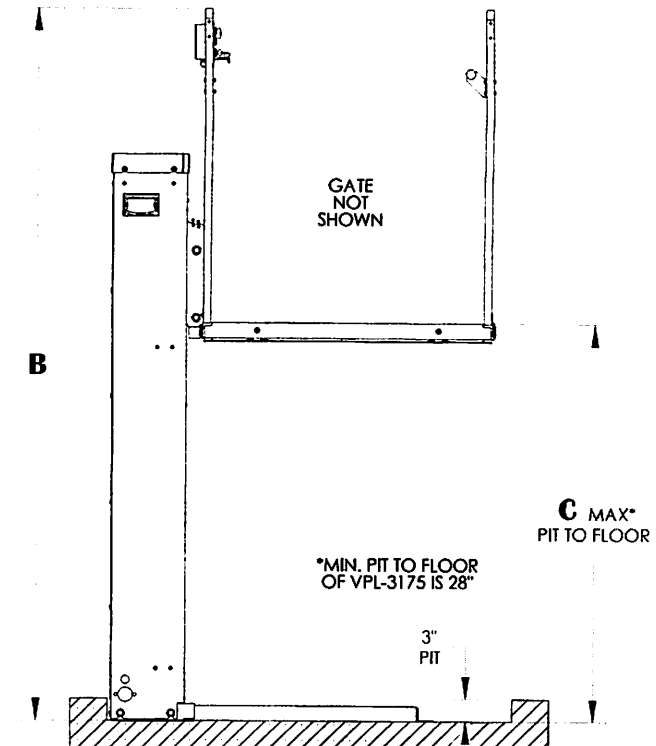
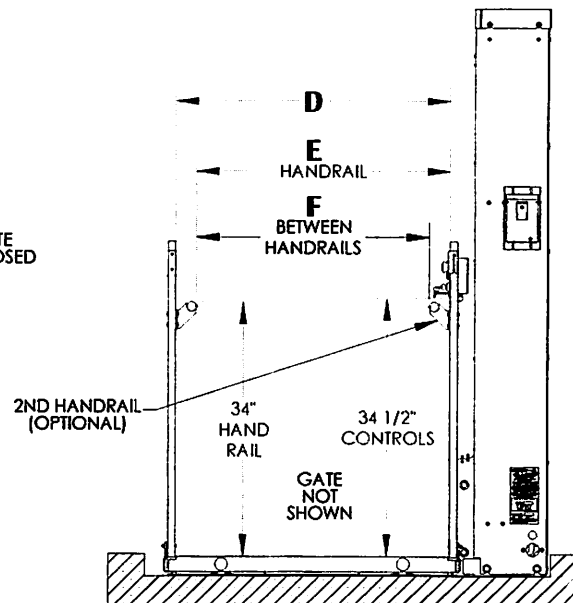
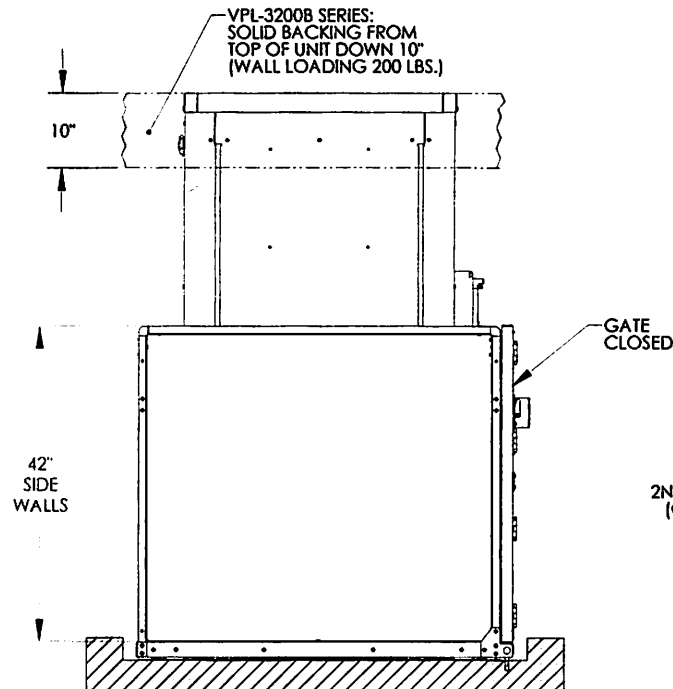
UNENCLOSED STRAIGHT-THRU PLATFORM w/PLATFORM GATE (PIT APPLICATION)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT



	D	E	F	G	H	J	K	L
36" X 48" PLATFORM	36-1/4"	33-1/2"	30-3/4"	5-3/4"	49-15/16"	87-3/16"	31-9/16"	50-13/16"
36" X 54" PLATFORM	36-1/4"	33-1/2"	30-3/4"	8-3/4"	55-15/16"	93-3/16"	31-9/16"	50-13/16"
36" X 60" PLATFORM	36-1/4"	33-1/2"	30-3/4"	11-3/4"	61-15/16"	99-3/16"	31-9/16"	50-13/16"
42" X 60" PLATFORM	42-1/4"	39-1/2"	36-3/4"	11-3/4"	61-15/16"	105-3/16"	34-9/16"	56-13/16"

	A	B	C
VPL-3153	75-9/16"	95"	53"
VPL-3175	97-9/16"	117"	75"
VPL-3210B	148-1/16"	165"	123"
VPL-3212B	172-1/16"	189"	147"
VPL-3214B	196-1/16"	213"	171"



NOTES: 1) PLATFORM GATE CAN BE MOUNTED ON EITHER SIDE OF THE PLATFORM
2) SEE ILS-00938 FOR LANDING GATE DETAIL/ALIGNMENT

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SHEET 2 OF 3
REV. 6 (5328)(4/8/13)(DPG)

UNENCLOSED STRAIGHT-THRU PLATFORM w/PLATFORM GATE (PIT APPLICATION)

VPL-3100/VPL-3200B SERIES VERTICLE PLATFORM LIFT

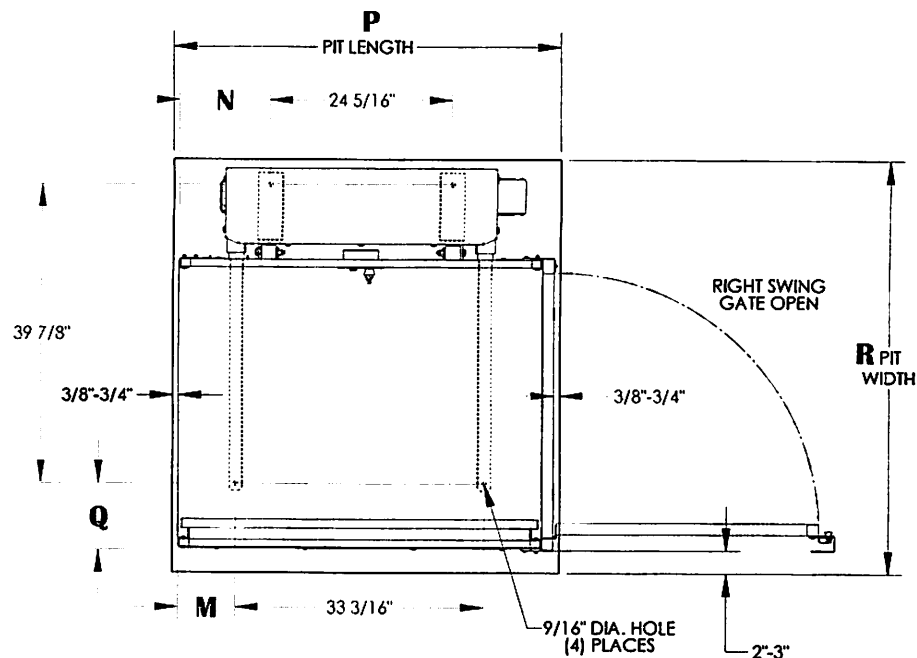
ANCHOR POINT LOCATIONS/PIT DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



	M	N	P	Q	R
36" X 48" PLATFORM	7-5/8"	12-1/16"	50-3/4" - 51-1/2"	9"	54" - 55"
36" X 54" PLATFORM	10-5/8"	15-1/16"	56-3/4" - 57-1/2"	9"	54" - 55"
36" X 60" PLATFORM	13-5/8"	18-1/16"	62-3/4" - 63-1/2"	9"	54" - 55"
42" X 60" PLATFORM	13-5/8"	18-1/16"	62-3/4" - 63-1/2"	15"	60" - 61"

3" MIN
PIT DEPTH



PIT DETAIL

UNITS WITH STRAIGHT THROUGH PLATFORM WITH PLATFORM GATE
(PIT APPLICATION)

ILS-00933
SHEET 3 OF 3
REV. 6 (5328)(4/8/13)(DPG)

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UNENCLOSED 90° / ADJACENT EXIT PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

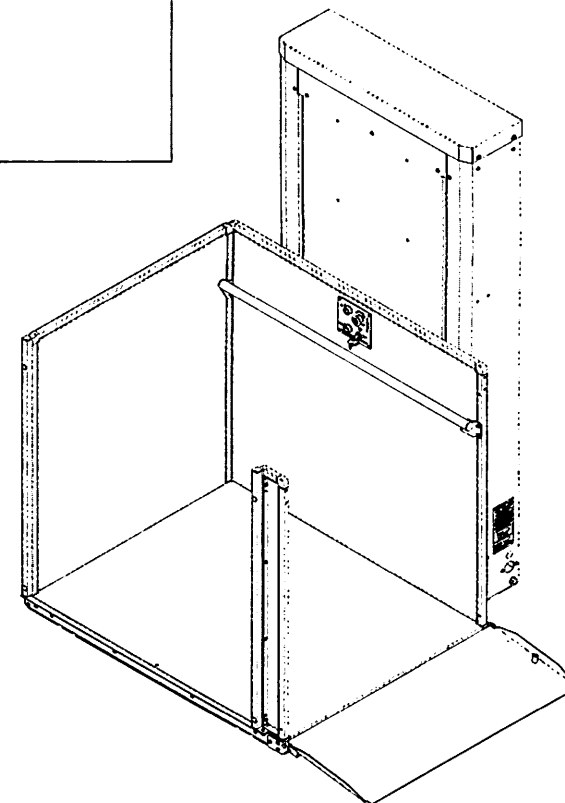
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD:	750 lbs maximum.
INPUT POWER SOURCE:	
-AC POWERED UNIT:	110-120 Volt 15 Amp 60 Hz dedicated service.
-DC BATTERY POWERED UNIT:	110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:	
-AC POWERED UNIT:	1 hp motor, 1750 rpm, single phase, 120 VAC, 1.15 service factor, continuous duty.
-DC BATTERY POWERED UNIT:	VPL-3100B: 1/2 hp motor, 1750 rpm, 24 VDC, continuous duty. VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION:	Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE:	VPL-3100: 1" dia. ACME screw w/bronze nut and bronze safety back up nut. VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:	
-AC POWERED UNIT:	24 VAC Relay control.
-DC BATTERY POWERED UNIT:	24 VDC Relay control.
SPEED:	
-AC POWERED UNIT:	9 feet per minute maximum.
-DC BATTERY POWERED UNIT:	10 feet per minute maximum

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



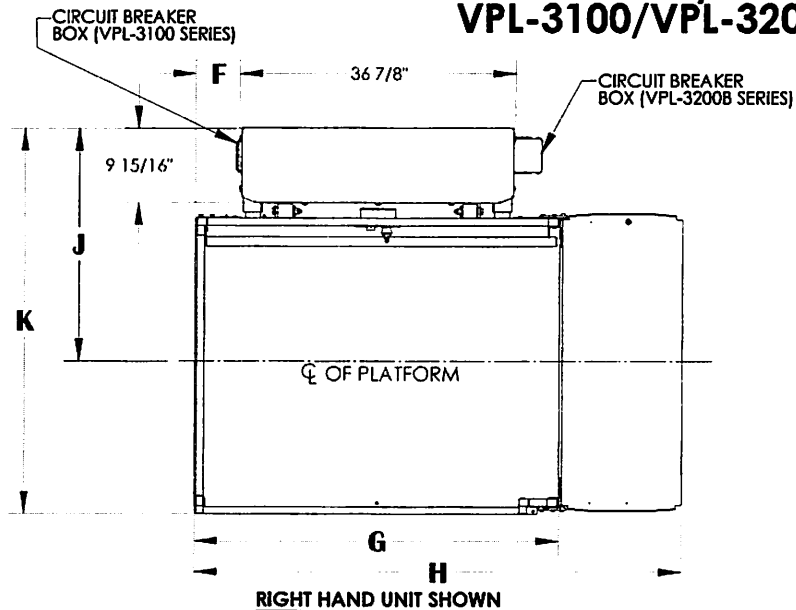
ILS-00934
SHEET 1 OF 5
REV. 6 (5328)(4/8/13)(DPG)

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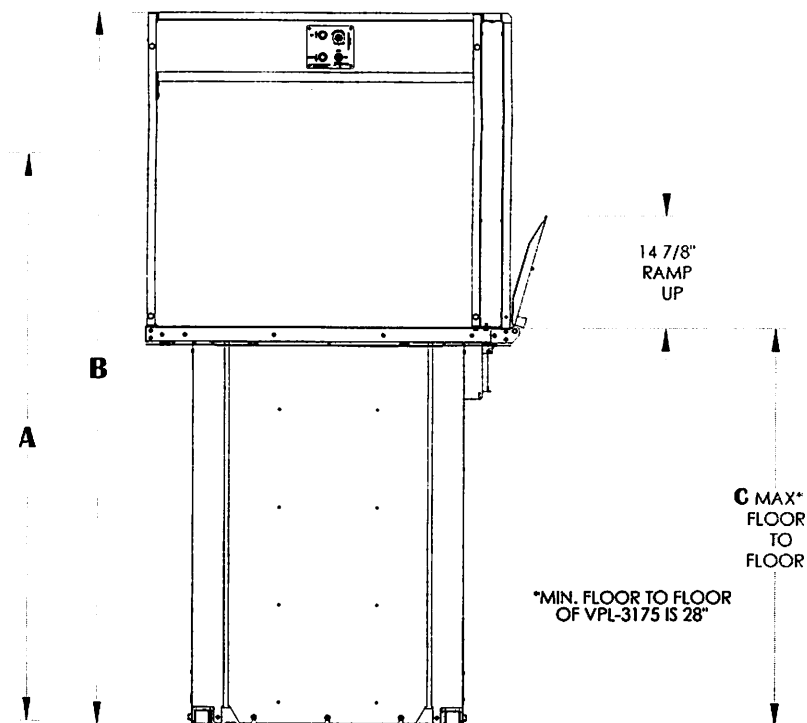
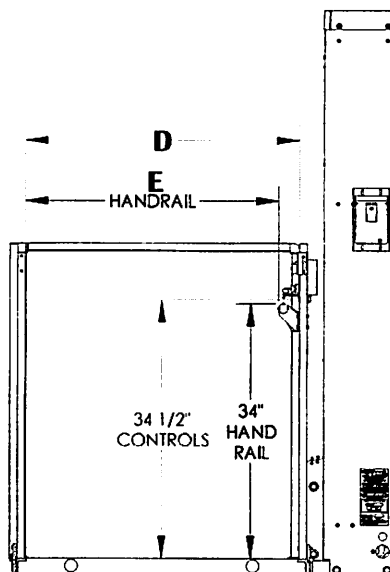
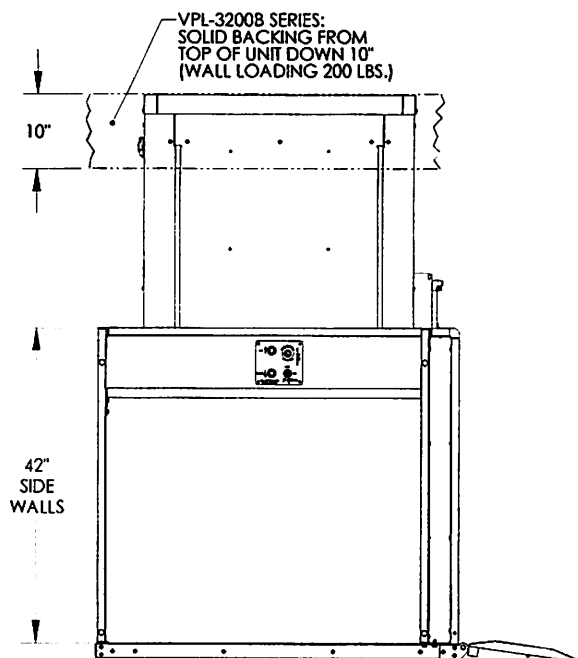
UNENCLOSED 90°/ADJACENT EXIT PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT



	D	E	F	G	H	J	K
36" X 48" PLATFORM	36-1/4"	33-1/2"	5-3/4"	48-7/16"	64-5/8"	31-9/16"	51-11/16"
36" X 54" PLATFORM	36-1/4"	33-1/2"	8-3/4"	54-7/16"	70-5/8"	31-9/16"	51-11/16"
36" X 60" PLATFORM	36-1/4"	33-1/2"	11-3/4"	60-7/16"	76-5/8"	31-9/16"	51-11/16"
42" X 60" PLATFORM	42-1/4"	39-1/2"	11-3/4"	60-7/16"	76-5/8"	34-9/16"	57-11/16"

	A	B	C
VPL-3153	75-9/16"	95"	53"
VPL-3175	97-9/16"	117"	75"
VPL-3210B	148-1/16"	165"	123"
VPL-3212B	172-1/16"	189"	147"
VPL-3214B	196-1/16"	213"	171"



NOTES: 1) ACCESS RAMP CAN BE MOUNTED ON EITHER SIDE OF THE PLATFORM
2) SEE ILS-00938 FOR LANDING GATE DETAIL/ALIGNMENT

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SHEET 2 OF 5
REV. 6 (5328)(4/8/13)(DPG)

UNENCLOSED 90°/ADJACENT EXIT PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

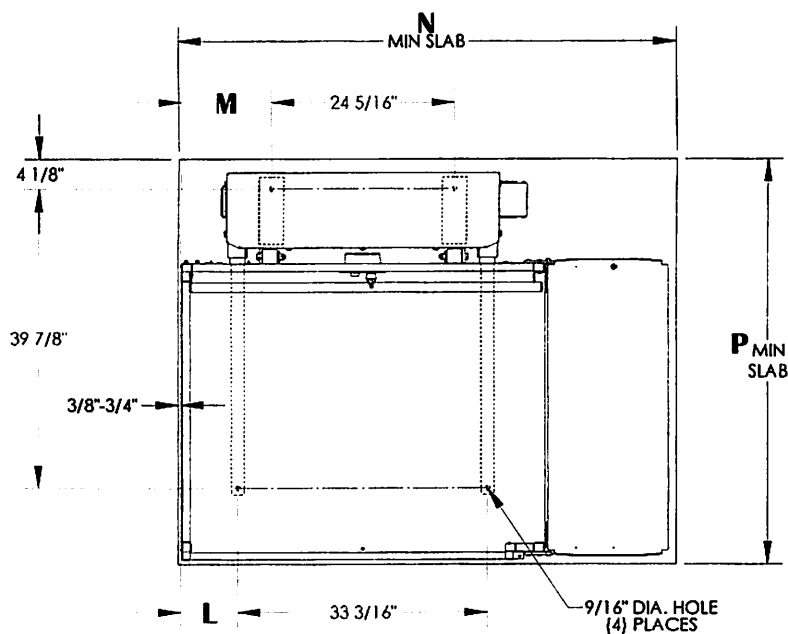
ANCHOR POINT LOCATIONS/SLAB DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



UNITS WITH 90°/ADJACENT EXIT PLATFORM

	L	M	N	P
36" X 48" PLATFORM	7-5/8"	12-1/16"	66"	54"
36" X 54" PLATFORM	10-5/8"	15-1/16"	72"	54"
36" X 60" PLATFORM	13-5/8"	18-1/16"	78"	54"
42" X 60" PLATFORM	13-5/8"	18-1/16"	78"	60"

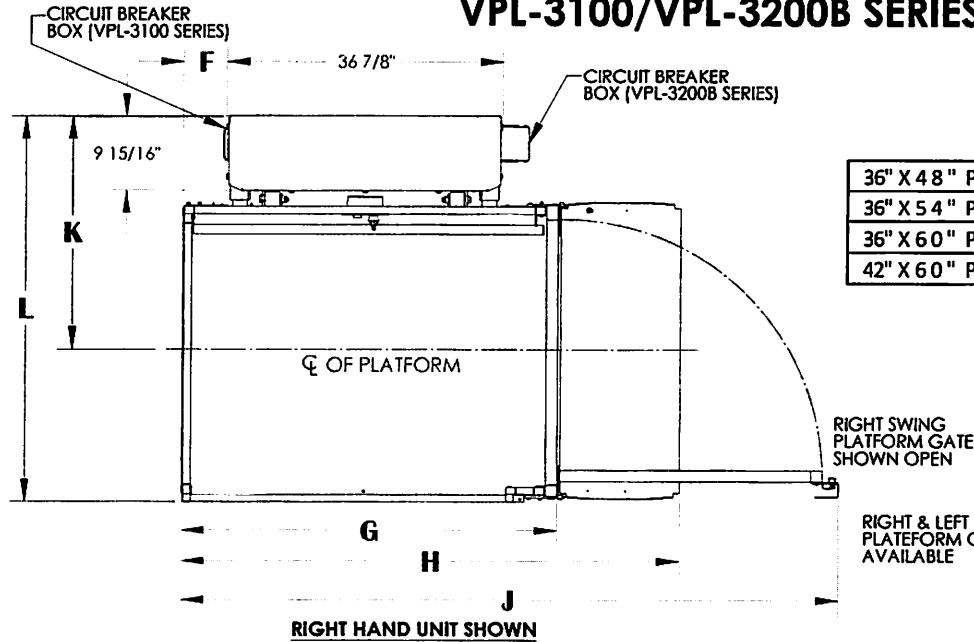
ILS-00934
SHEET 3 OF 5
REV. 6 (5328)(4/8/13)(DPG)

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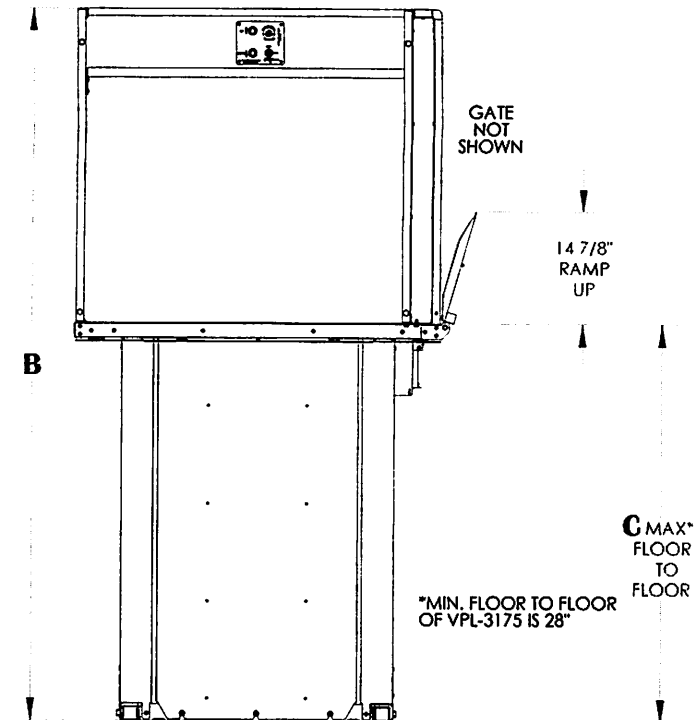
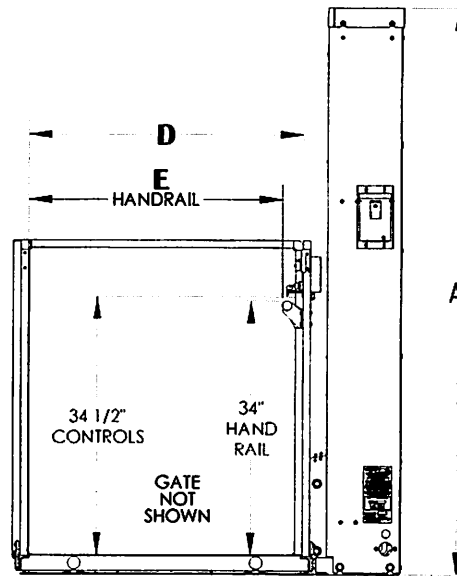
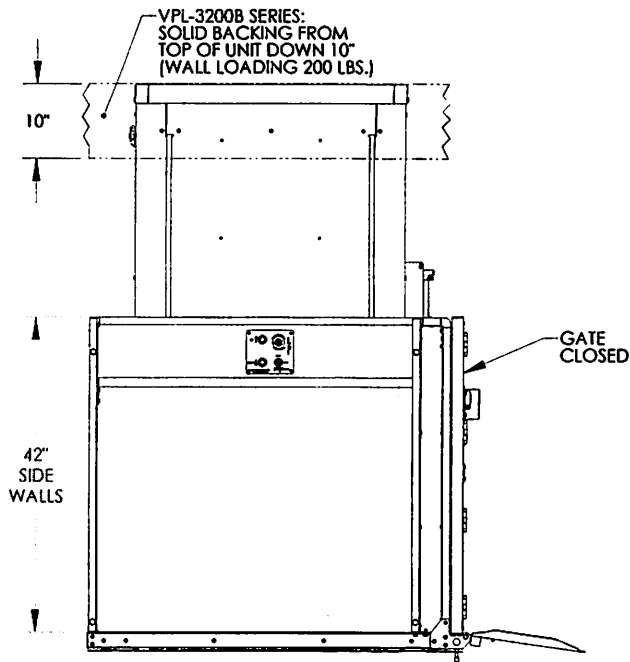
UNENCLOSED 90° / ADJACENT EXIT PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT



	D	E	F	G	H	J	K	L
36" X 48" PLATFORM	36-1/4"	33-1/2"	5-3/4"	49-15/16"	66-1/8"	87-3/16"	31-9/16"	51-11/16"
36" X 54" PLATFORM	36-1/4"	33-1/2"	8-3/4"	55-15/16"	72-1/8"	93-3/16"	31-9/16"	51-11/16"
36" X 60" PLATFORM	36-1/4"	33-1/2"	11-3/4"	61-15/16"	78-1/8"	99-3/16"	31-9/16"	51-11/16"
42" X 60" PLATFORM	42-1/4"	39-1/2"	11-3/4"	61-15/16"	78-1/8"	105-3/16"	34-9/16"	57-11/16"

	A	B	C
VPL-3153	75-9/16"	95"	53"
VPL-3175	97-9/16"	117"	75"
VPL-3210B	148-1/16"	165"	123"
VPL-3212B	172-1/16"	189"	147"
VPL-3214B	196-1/16"	213"	171"



NOTES: 1) ACCESS RAMP & PLATFORM GATE CAN BE MOUNTED ON EITHER SIDE OF THE PLATFORM
2) SEE ILS-00938 FOR LANDING GATE DETAIL/ALIGNMENT

ILS-00934
SHEET 4 OF 5
REV. 6 (5328)(4/8/13)(DPG)

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UNENCLOSED 90°/ADJACENT EXIT PLATFORM (NO PIT)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT ANCHOR POINT LOCATIONS/SLAB DETAIL

TECHNICAL SPECIFICATIONS

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. FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND APPLICABLE CODES.

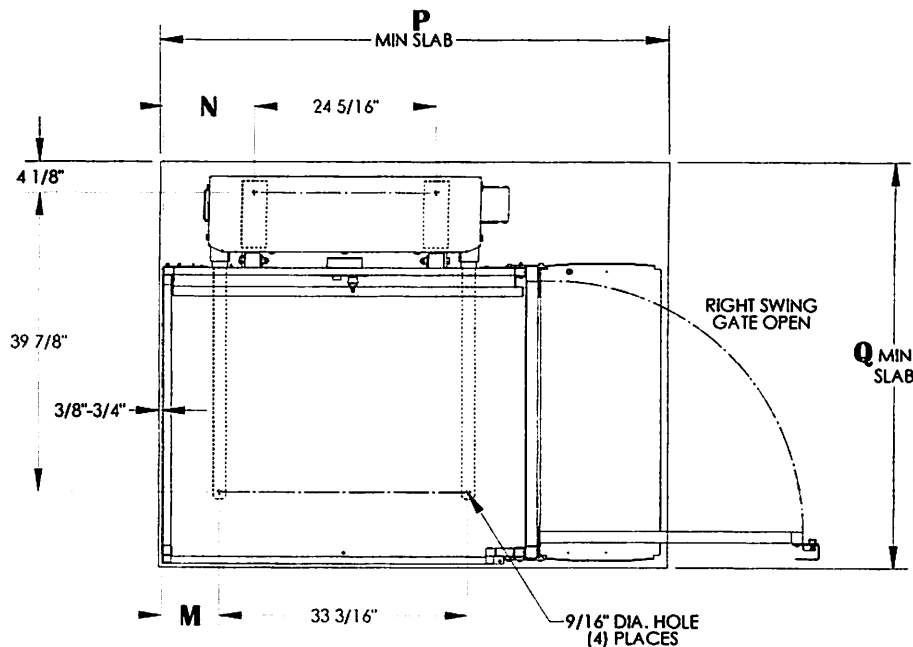
FLOOR REQUIREMENTS:

4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see

ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"

ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



	M	N	P	Q
36" X 48" PLATFORM	7-5/8"	12-1/16"	67-1/2"	54"
36" X 54" PLATFORM	10-5/8"	15-1/16"	73-1/2"	54"
36" X 60" PLATFORM	13-5/8"	18-1/16"	79-1/2"	54"
42" X 60" PLATFORM	13-5/8"	18-1/16"	79-1/2"	60"

UNITS WITH 90°/ADJACENT EXIT PLATFORM WITH PLATFORM GATE

ILS-00934

SHEET 5 OF 5

REV. 6 (5328)(4/8/13)(DPG)

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UNENCLOSED 90° /ADJACENT EXIT PLATFORM w/PLATFORM GATE (PIT APPLICATION)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

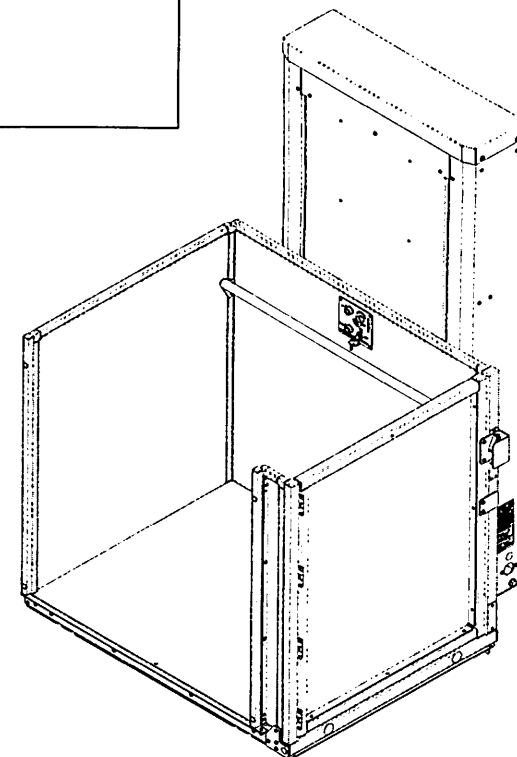
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD:	750 lbs maximum.
INPUT POWER SOURCE:	
-AC POWERED UNIT:	110-120 Volt 15 Amp 60 Hz dedicated service.
-DC BATTERY POWERED UNIT:	110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:	
-AC POWERED UNIT:	1 hp motor, 1750 rpm, single phase, 120 VAC, 1.15 service factor, continuous duty.
-DC BATTERY POWERED UNIT:	VPL-3100B: 1/2 hp motor, 1750 rpm, 24 VDC, continuous duty. VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION:	Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE:	VPL-3100: 1" dia. ACME screw w/bronze nut and bronze safety back up nut. VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:	
-AC POWERED UNIT:	24 VAC Relay control.
-DC BATTERY POWERED UNIT:	24 VDC Relay control.
SPEED:	
-AC POWERED UNIT:	9 feet per minute maximum.
-DC BATTERY POWERED UNIT:	10 feet per minute maximum

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: Class II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



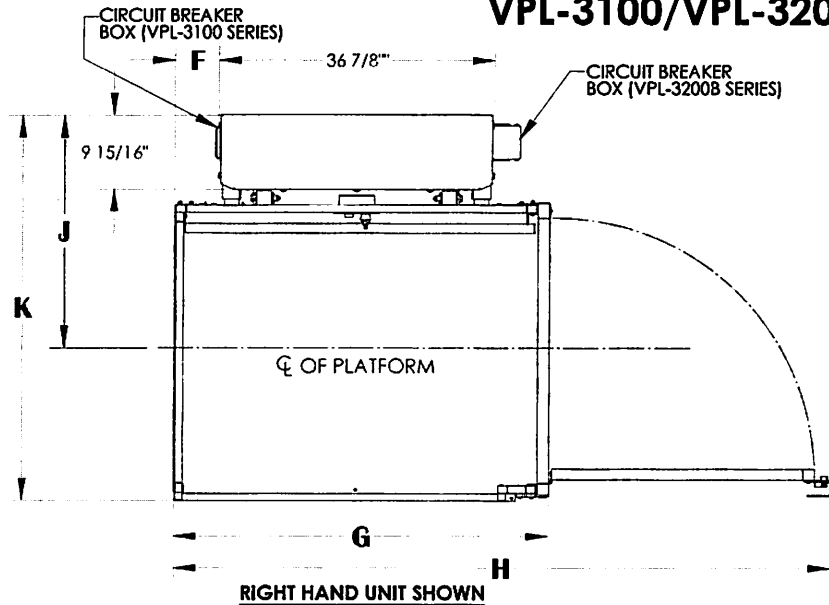
ILS-00935
SHEET 1 OF 3
REV. 6 (5328)(4/8/13)(DPG)

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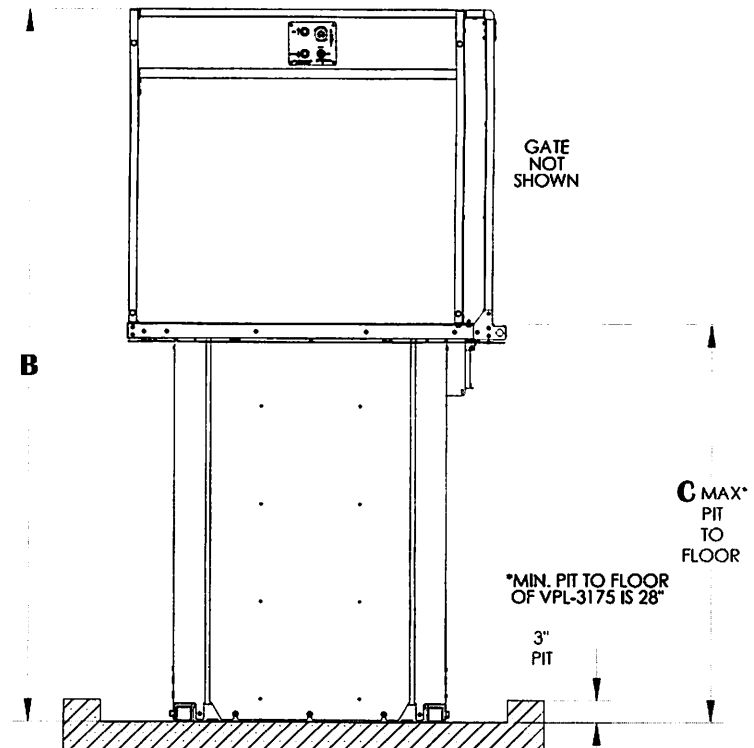
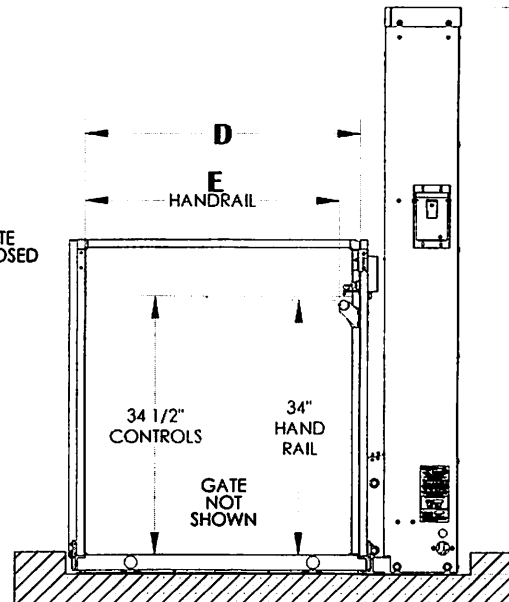
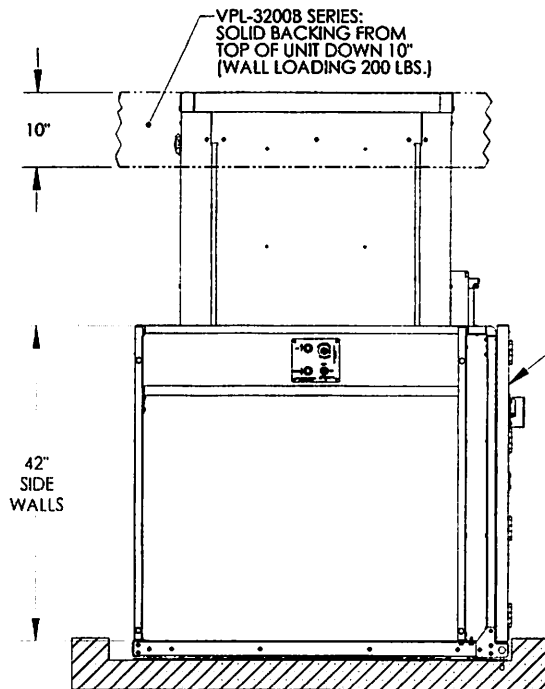
UNENCLOSED 90°/ADJACENT EXIT PLATFORM w/PLATFORM GATE (PIT APPLICATION)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT



	D	E	F	G	H	J	K
36" X 48" PLATFORM	36-1/4"	33-1/2"	5-3/4"	49-15/16"	87-3/16"	31-9/16"	51-11/16"
36" X 54" PLATFORM	36-1/4"	33-1/2"	8-3/4"	55-15/16"	93-3/16"	31-9/16"	51-11/16"
36" X 60" PLATFORM	36-1/4"	33-1/2"	11-3/4"	61-15/16"	99-3/16"	31-9/16"	51-11/16"
42" X 60" PLATFORM	42-1/4"	39-1/2"	11-3/4"	61-15/16"	105-3/16"	34-9/16"	57-11/16"

	A	B	C
VPL-3153	75-9/16"	95"	53"
VPL-3175	97-9/16"	117"	75"
VPL-3210B	148-1/16"	165"	123"
VPL-3212B	172-1/16"	189"	147"
VPL-3214B	196-1/16"	213"	171"



NOTES: 1) PLATFORM GATE CAN BE MOUNTED ON EITHER SIDE OF THE PLATFORM
2) SEE ILS-00938 FOR LANDING GATE DETAIL/ALIGNMENT

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SHEET 2 OF 3
REV. 6 (5328)(4/8/13)(DPG)

UNENCLOSED 90°/ADJACENT EXIT PLATFORM w/PLATFORM GATE (PIT APPLICATION)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

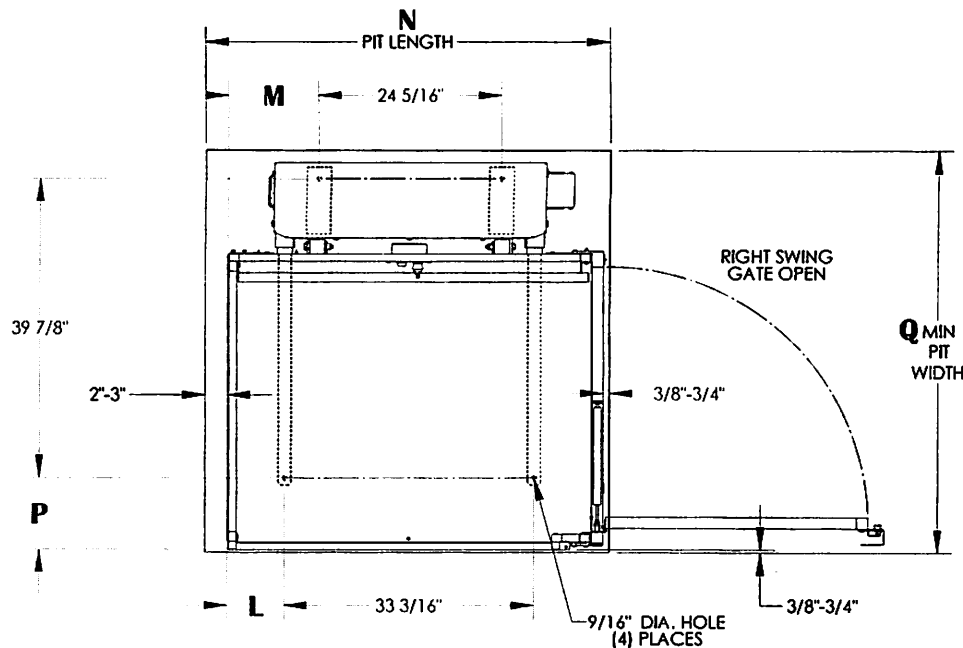
ANCHOR POINT LOCATIONS/PIT DETAIL

TECHNICAL SPECIFICATIONS

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. FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND APPLICABLE CODES.

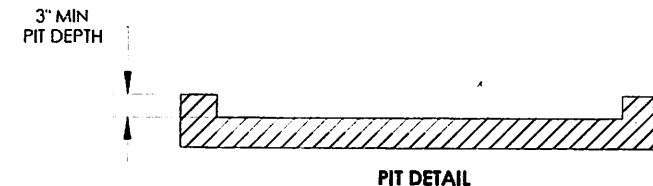
FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00834 "VPL-3100 Series Residential Vertical Platform Lift Technical Specification"
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



UNITS WITH 90°/ADJACENT EXIT PLATFORM WITH PLATFORM GATE
(PIT APPLICATION)

	L	M	N	P	Q
36" X 48" PLATFORM	7-5/8"	12-1/16"	52-3/8" - 53-3/4"	9-11/16"	53-1/2"
36" X 54" PLATFORM	10-5/8"	15-1/16"	58-3/8" - 59-3/4"	9-11/16"	53-1/2"
36" X 60" PLATFORM	13-5/8"	18-1/16"	64-3/8" - 65-3/4"	9-11/16"	53-1/2"
42" X 60" PLATFORM	13-5/8"	18-1/16"	64-3/8" - 65-3/4"	15-11/16"	59-1/2"



ILS-00935
SHEET 3 OF 3
REV. 6 (5328)(4/8/13)(DPG)

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HOISTWAY STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

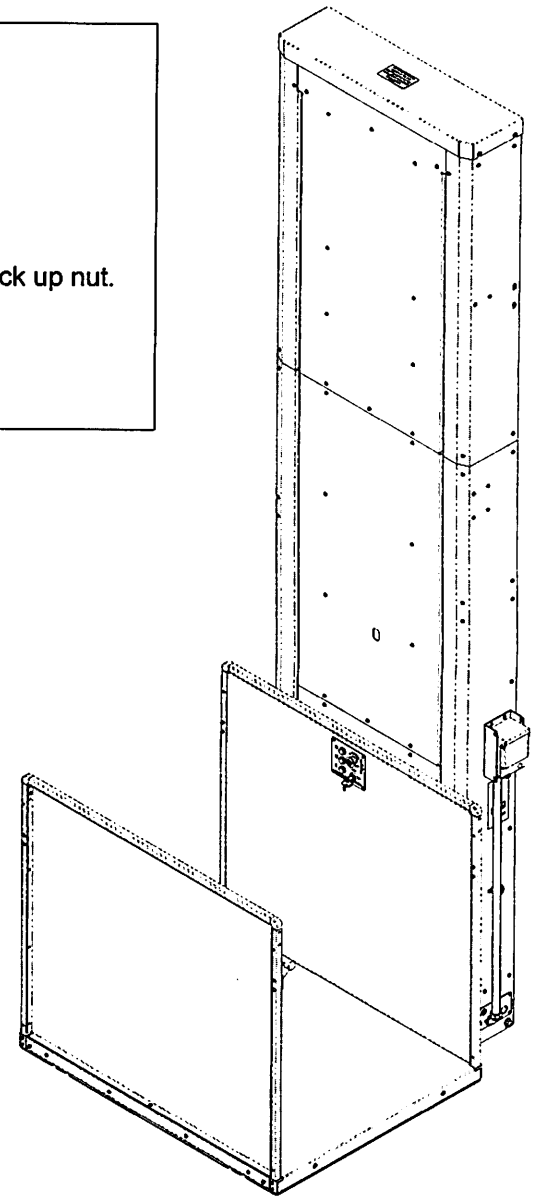
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD: 750 lbs maximum.
INPUT POWER SOURCE:
-DC BATTERY POWERED UNIT: 110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:
-DC BATTERY POWERED UNIT: VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION: Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE: VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:
-DC BATTERY POWERED UNIT: 24 VDC Relay control.
SPEED:
-DC BATTERY POWERED UNIT: 10 feet per minute maximum

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



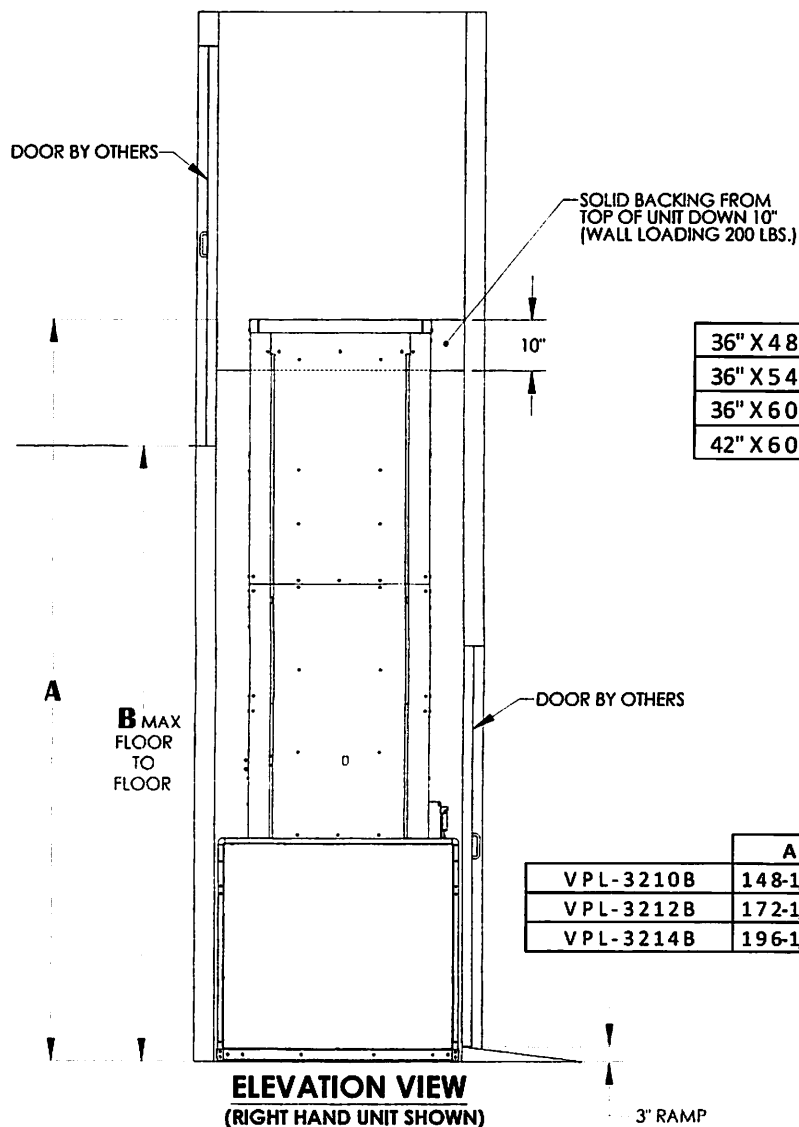
ILS-00980
SHEET 1 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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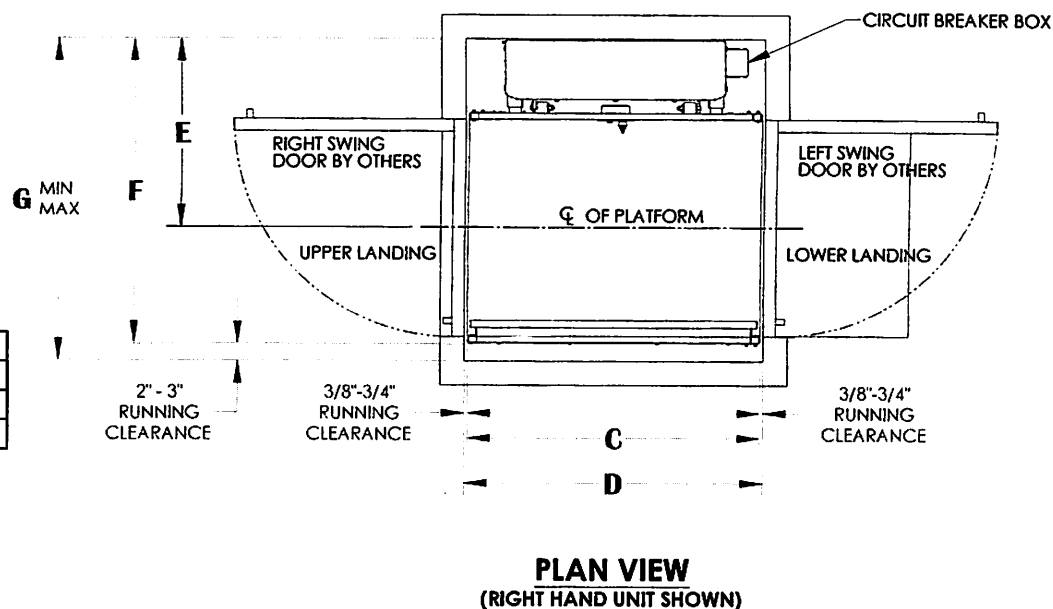
HOISTWAY STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT



	C	D	E	F	G MIN	G MAX
36" X 48" PLATFORM	48-7/16"	49-3/16" - 49-15/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	54-7/16"	55-3/16" - 55-15/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	60-7/16"	61-3/16" - 61-15/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	60-7/16"	61-3/16" - 61-15/16"	34-9/16"	56-13/16"	58-13/16"	59-13/16"

	A	B
VPL-3210B	148-1/16"	123"
VPL-3212B	172-1/16"	147"
VPL-3214B	196-1/16"	171"



NOTES:

- HOISTWAY IN ACCORDANCE WITH SAFETY CODES (ASME -A18.1) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.
- PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES. MUST BE CONSTRUCTED PLUMB ($\pm 1/8$ IN) AND SQUARE AND TO SIZE SHOWN.
- NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE UNIT IS PERMITTED IN THE HOISTWAY.

ILS-00980
SHEET 2 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY STRAIGHT-THRU PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

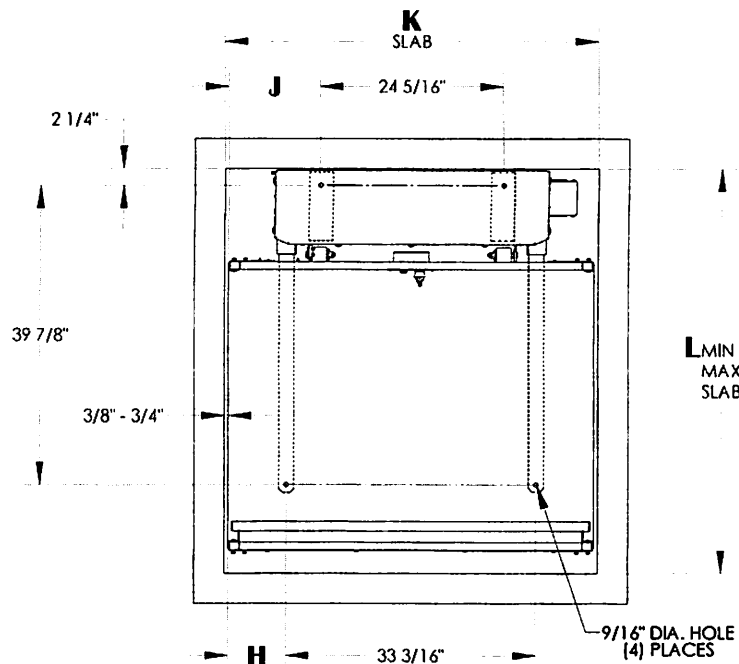
ANCHOR POINT LOCATIONS/SLAB DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



UNITS WITH STRAIGHT THROUGH PLATFORM

	H	J	K	L MIN	L MAX
36" X 48" PLATFORM	7-5/8"	12-1/16"	49-3/16" - 49-15/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	10-5/8"	15-1/16"	55-3/16" - 55-15/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	13-5/8"	18-1/16"	61-3/16" - 61-15/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	13-5/8"	18-1/16"	61-3/16" - 61-15/16"	58-13/16"	59-13/16"

ILS-00980
SHEET 3 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY STRAIGHT-THRU PLATFORM (PIT APPLICATION)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

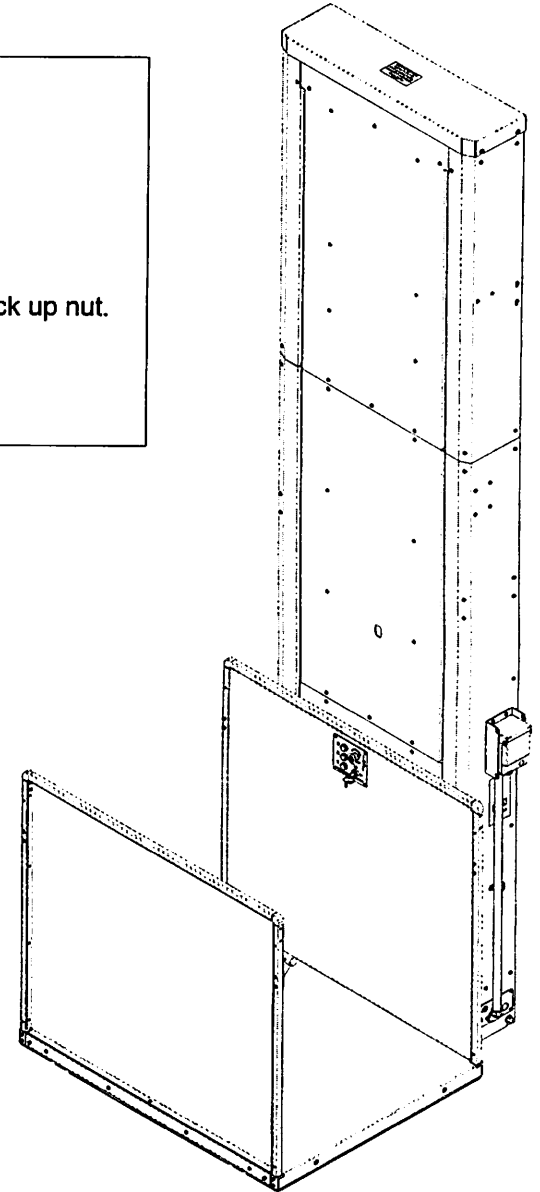
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD: 750 lbs maximum.
INPUT POWER SOURCE:
-DC BATTERY POWERED UNIT: 110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:
-DC BATTERY POWERED UNIT: VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION: Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE: VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:
-DC BATTERY POWERED UNIT: 24 VDC Relay control.
SPEED:
-DC BATTERY POWERED UNIT: 10 feet per minute maximum

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



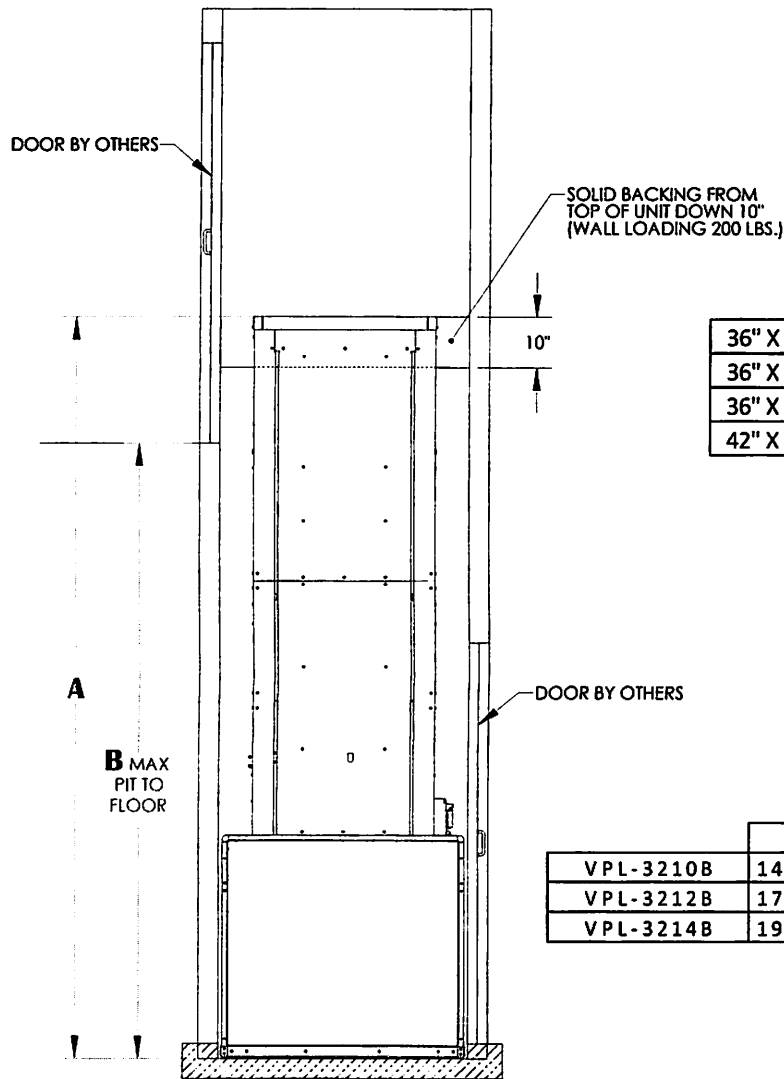
ILS-00981
SHEET 1 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY STRAIGHT-THRU PLATFORM (PIT APPLICATION)

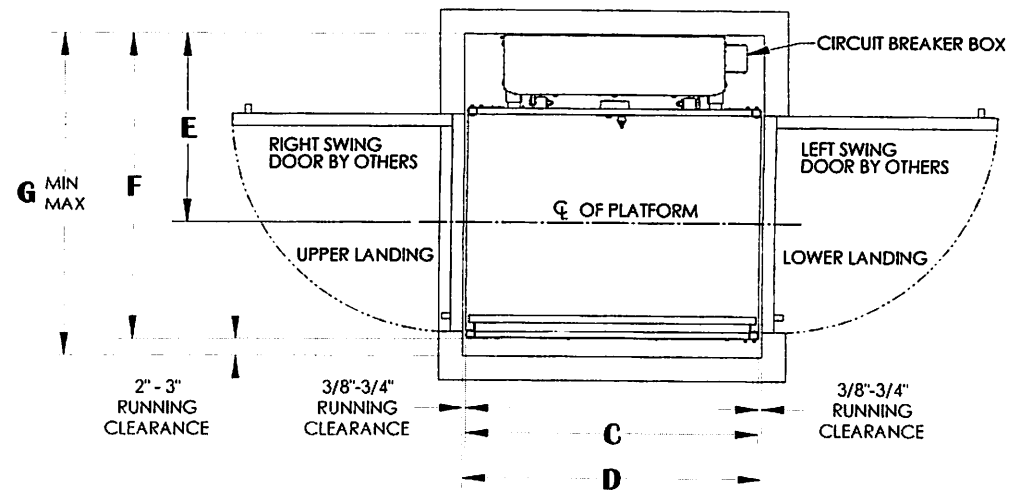
VPL-3200B SERIES VERTICAL PLATFORM LIFT



ELEVATION VIEW
(RIGHT HAND UNIT SHOWN)

	C	D	E	F	G MIN	G MAX
36" X 48" PLATFORM	48-7/16"	49-3/16" - 49-15/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	54-7/16"	55-3/16" - 55-15/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	60-7/16"	61-3/16" - 61-15/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	60-7/16"	61-3/16" - 61-15/16"	34-9/16"	56-13/16"	58-13/16"	59-13/16"

	A	B
VPL-3210B	148-1/16"	123"
VPL-3212B	172-1/16"	147"
VPL-3214B	196-1/16"	171"



PLAN VIEW
(RIGHT HAND UNIT SHOWN)

NOTES:

1. HOISTWAY IN ACCORDANCE WITH SAFETY CODES (ASME - A18.1) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.
2. PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES. MUST BE CONSTRUCTED PLUMB ($\pm 1/8$ IN) AND SQUARE AND TO SIZE SHOWN.
3. NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE UNIT IS PERMITTED IN THE HOISTWAY.

ILS-00981
SHEET 2 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY STRAIGHT-THRU PLATFORM (PIT APPLICATION)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

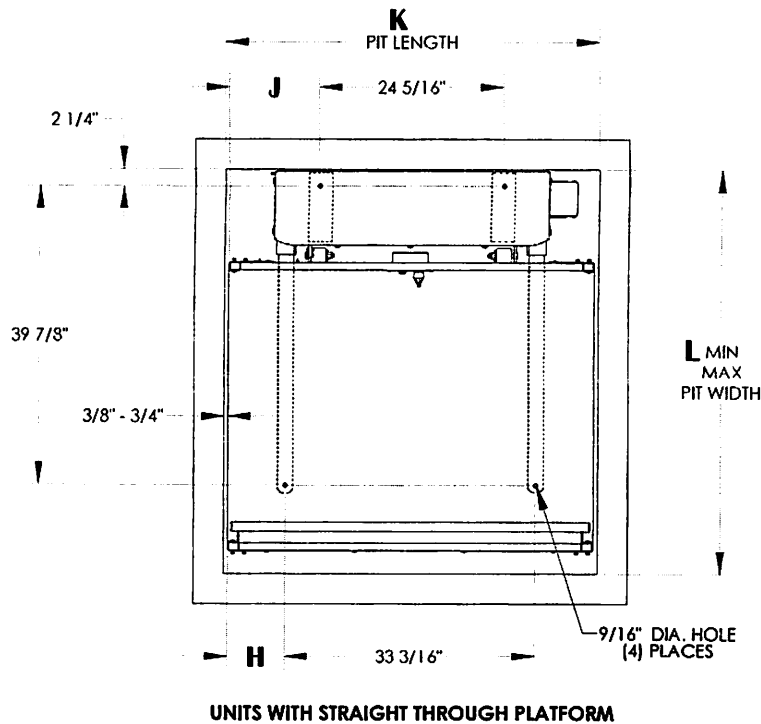
ANCHOR POINT LOCATIONS/PIT DETAIL

TECHNICAL SPECIFICATIONS

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. FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



	H	J	K	L MIN	L MAX
36" X 48" PLATFORM	7-5/8"	12-1/16"	49-3/16" - 49-15/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	10-5/8"	15-1/16"	55-3/16" - 55-15/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	13-5/8"	18-1/16"	61-3/16" - 61-15/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	13-5/8"	18-1/16"	61-3/16" - 61-15/16"	58-13/16"	59-13/16"

3" MIN
PIT DEPTH



PIT DETAIL

ILS-00981
SHEET 3 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY 90°/ADJACENT EXIT PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

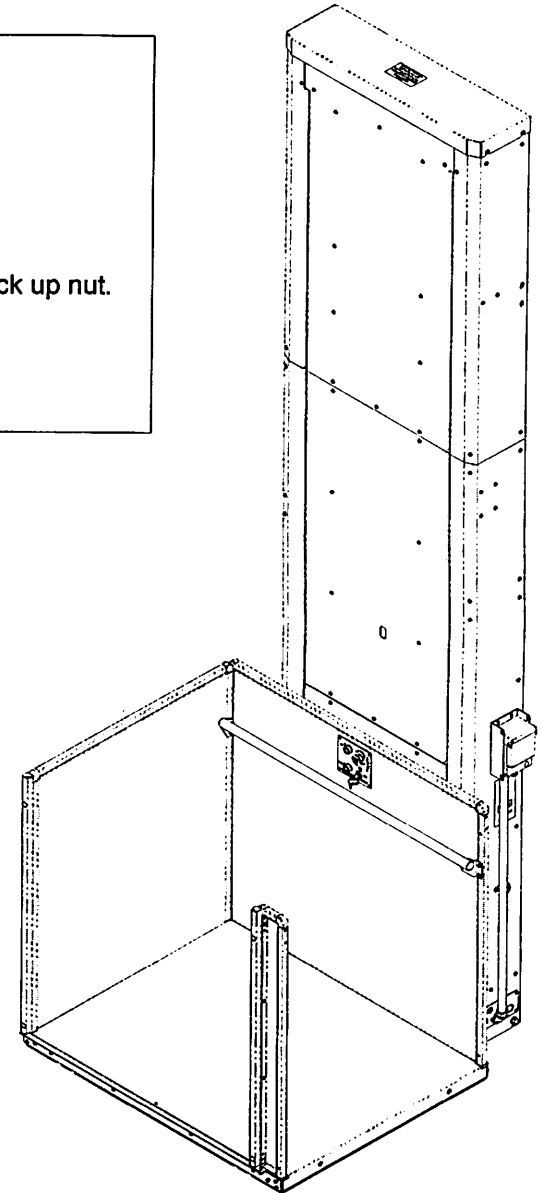
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD: 750 lbs maximum.
INPUT POWER SOURCE:
-DC BATTERY POWERED UNIT: 110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:
-DC BATTERY POWERED UNIT: VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION: Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE: VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:
-DC BATTERY POWERED UNIT: 24 VDC Relay control.
SPEED:
-DC BATTERY POWERED UNIT: 10 feet per minute maximum

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



ILS-00982
SHEET 1 OF 3
REV. 3 (5328)(4/8/13)(DPG)

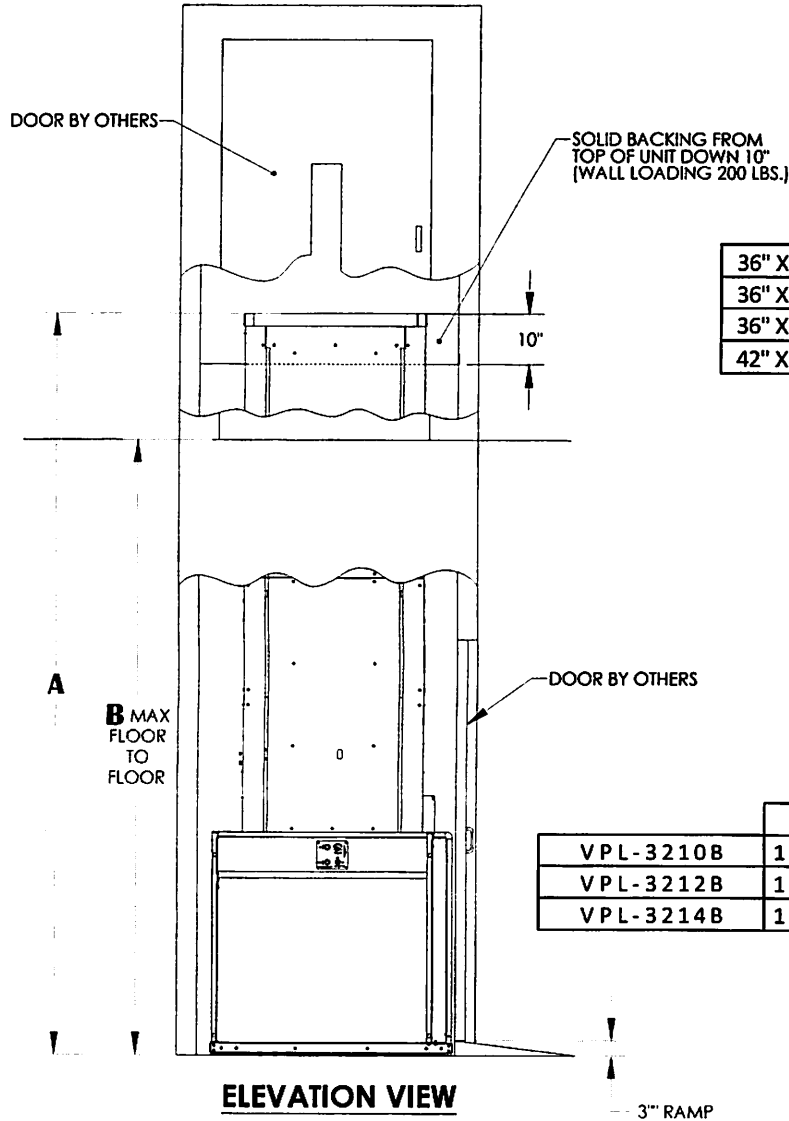
Bruno Independent Living Aids, Inc., 1780 Executive Drive, P.O. Box 84, Oconomowoc, WI 53066
Phone (800) 882-8183 Fax (262) 953-5501

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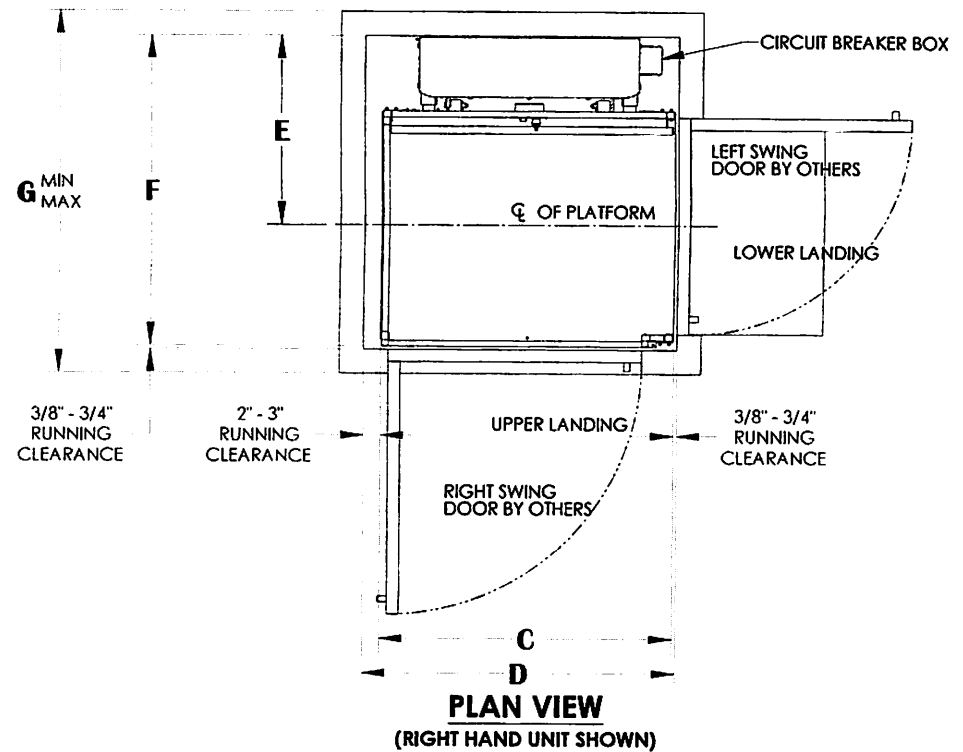
HOISTWAY 90° / ADJACENT EXIT PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT



	C	D	E	F	G MIN	G MAX
36" X 48" PLATFORM	48-7/16"	50-13/16" - 52-3/16"	31-9/16"	51-11/16"	52-1/16"	52-7/16"
36" X 54" PLATFORM	54-7/16"	56-13/16" - 58-3/16"	31-9/16"	51-11/16"	52-1/16"	52-7/16"
36" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	31-9/16"	51-11/16"	52-1/16"	52-7/16"
42" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	34-9/16"	57-11/16"	58-1/16"	58-7/16"

	A	B
VPL-3210B	148-1/16"	123"
VPL-3212B	172-1/16"	147"
VPL-3214B	196-1/16"	171"



- NOTES:
1. HOISTWAY IN ACCORDANCE WITH SAFETY CODES (ASME -A18.1) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.
 2. PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES. MUST BE CONSTRUCTED PLUMB ($\pm 1/8$ IN) AND SQUARE AND TO SIZE SHOWN. NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE UNIT IS PERMITTED IN THE HOISTWAY.

ILS-00982
SHEET 2 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY 90°/ADJACENT EXIT PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

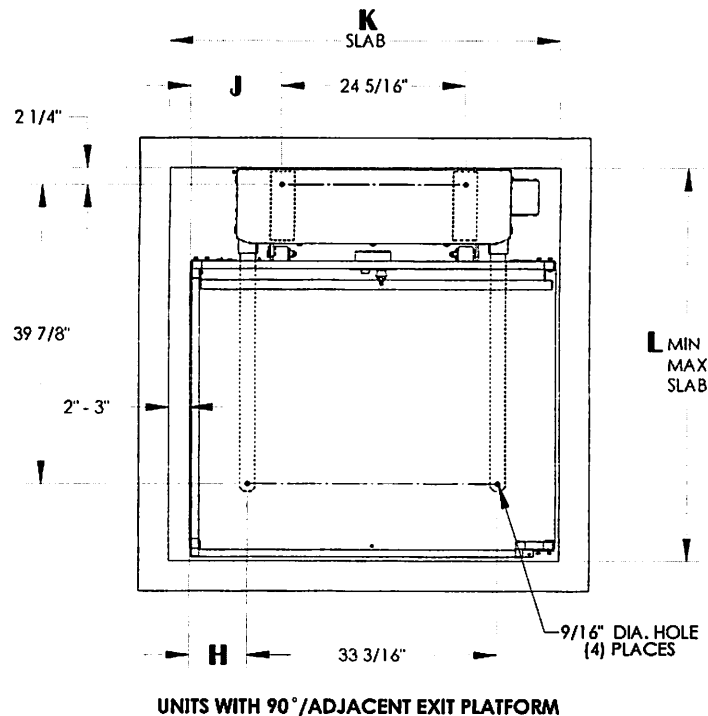
ANCHOR POINT LOCATIONS/SLAB DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



	H	J	K	L MIN	L MAX
36" X 48" PLATFORM	7-5/8"	12-1/16"	50-13/16" - 52-3/16"	52-1/16"	52-7/16"
36" X 54" PLATFORM	10-5/8"	15-1/16"	56-13/16" - 58-3/16"	52-1/16"	52-7/16"
36" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	52-1/16"	52-7/16"
42" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	58-1/16"	58-7/16"

ILS-00982
SHEET 3 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY 90° / ADJACENT EXIT PLATFORM (PIT APPLICATION)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

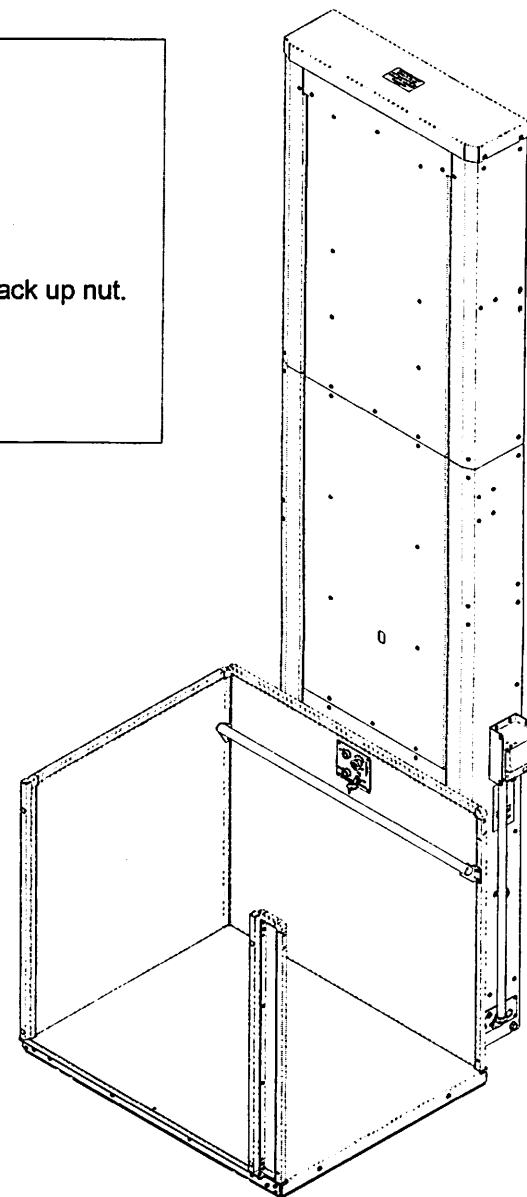
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD: 750 lbs maximum.
INPUT POWER SOURCE:
-DC BATTERY POWERED UNIT: 110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:
-DC BATTERY POWERED UNIT: VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION: Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE: VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:
-DC BATTERY POWERED UNIT: 24 VDC Relay control.
SPEED:
-DC BATTERY POWERED UNIT: 10 feet per minute maximum

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



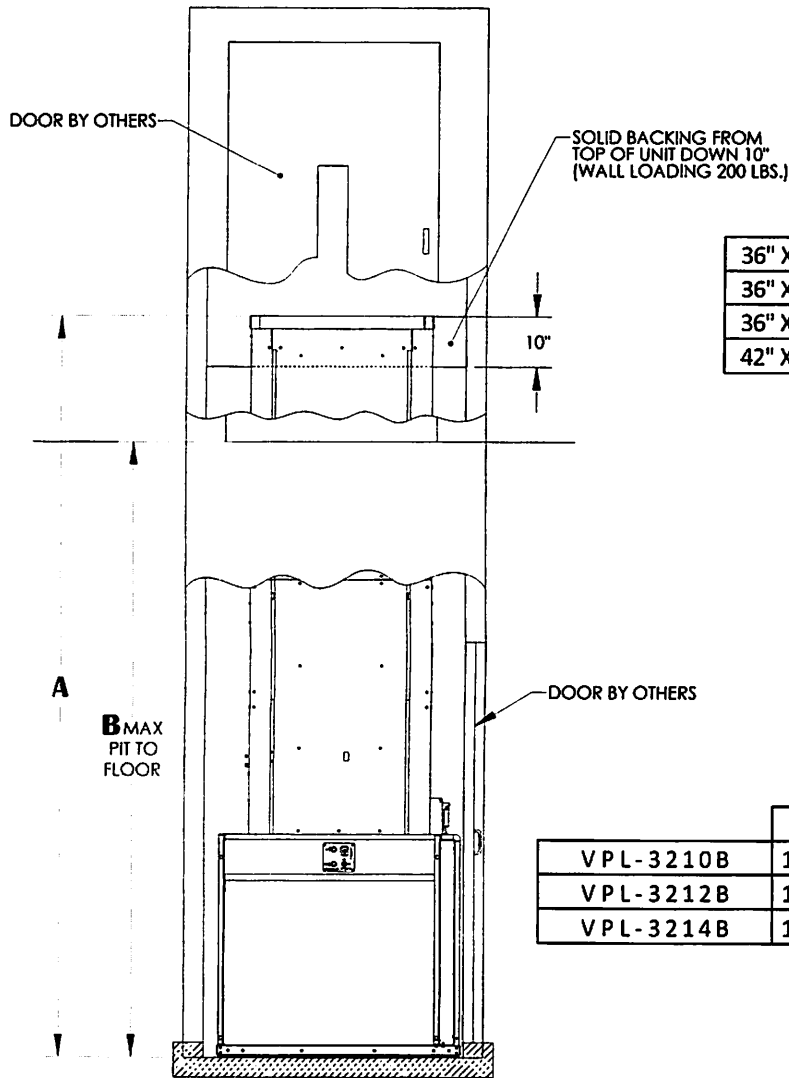
ILS-00983
SHEET 1 OF 3
REV. 3 (5328)(11/2/12)(DPG)

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HOISTWAY 90°/ADJACENT EXIT PLATFORM (PIT APPLICATION)

VPL-3200B SERIES VERTICAL PLATFORM LIFT



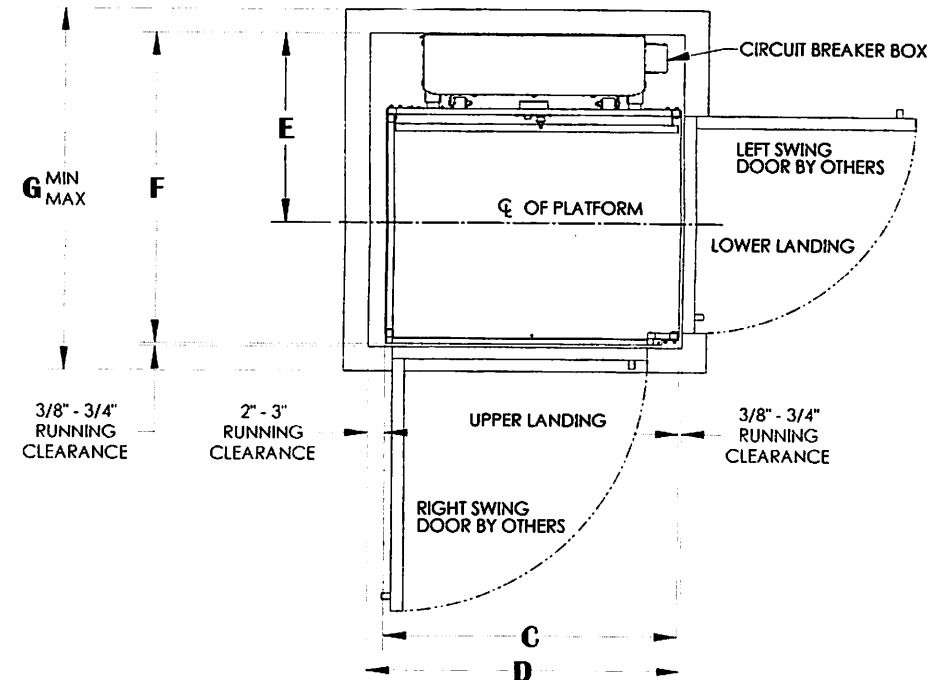
ELEVATION VIEW
(RIGHT HAND UNIT SHOWN)

	C	D	E	F	G MIN	G MAX
36" X 48" PLATFORM	48-7/16"	50-13/16" - 52-3/16"	31-9/16"	51-11/16"	52-1/16"	52-7/16"
36" X 54" PLATFORM	54-7/16"	56-13/16" - 58-3/16"	31-9/16"	51-11/16"	52-1/16"	52-7/16"
36" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	31-9/16"	51-11/16"	52-1/16"	52-7/16"
42" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	34-9/16"	57-11/16"	58-1/16"	58-7/16"

	A	B
VPL-3210B	148-1/16"	123"
VPL-3212B	172-1/16"	147"
VPL-3214B	196-1/16"	171"

NOTES:

1. HOISTWAY IN ACCORDANCE WITH SAFETY CODES (ASME -A18.1) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.
2. PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES. MUST BE CONSTRUCTED PLUMB ($\pm 1/8$ IN) AND SQUARE AND TO SIZE SHOWN.
NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE UNIT IS PERMITTED IN THE HOISTWAY.



PLAN VIEW
(RIGHT HAND UNIT SHOWN)

ILS-00983
SHEET 2 OF 3
REV. 3 (5328)(11/2/12)(DPG)

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HOISTWAY 90° /ADJACENT EXIT PLATFORM (PIT APPLICATION)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

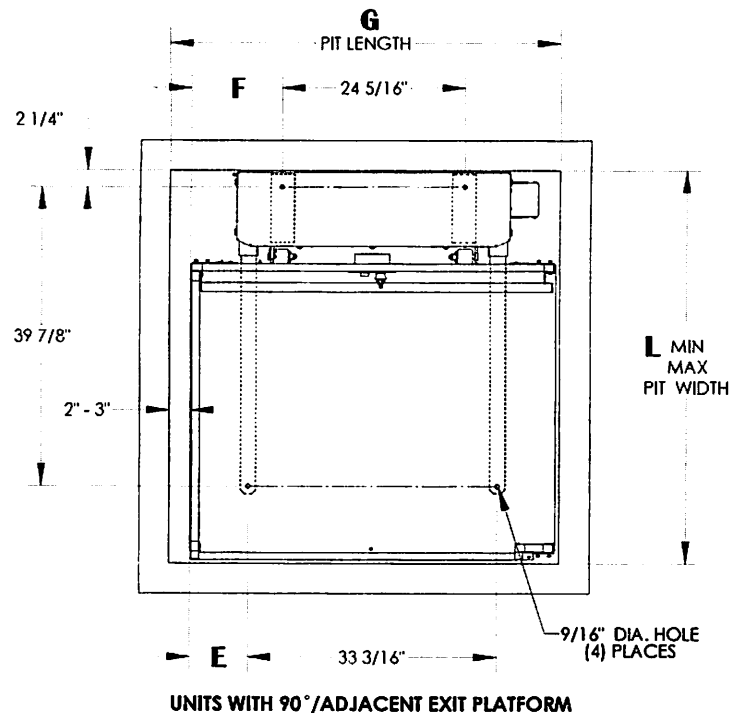
ANCHOR POINT LOCATIONS/PIT DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



	H	J	K	L MIN	L MAX
36" X 48" PLATFORM	7-5/8"	12-1/16"	50-13/16" - 52-3/16"	52-1/16"	52-7/16"
36" X 54" PLATFORM	10-5/8"	15-1/16"	56-13/16" - 58-3/16"	52-1/16"	52-7/16"
36" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	52-1/16"	52-7/16"
42" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	58-1/16"	58-7/16"

3" MIN
PIT DEPTH



PIT DETAIL

ILS-00983
SHEET 3 OF 3
REV. 3 (5328)(11/2/12)(DPG)

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HOISTWAY SAME SIDE PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

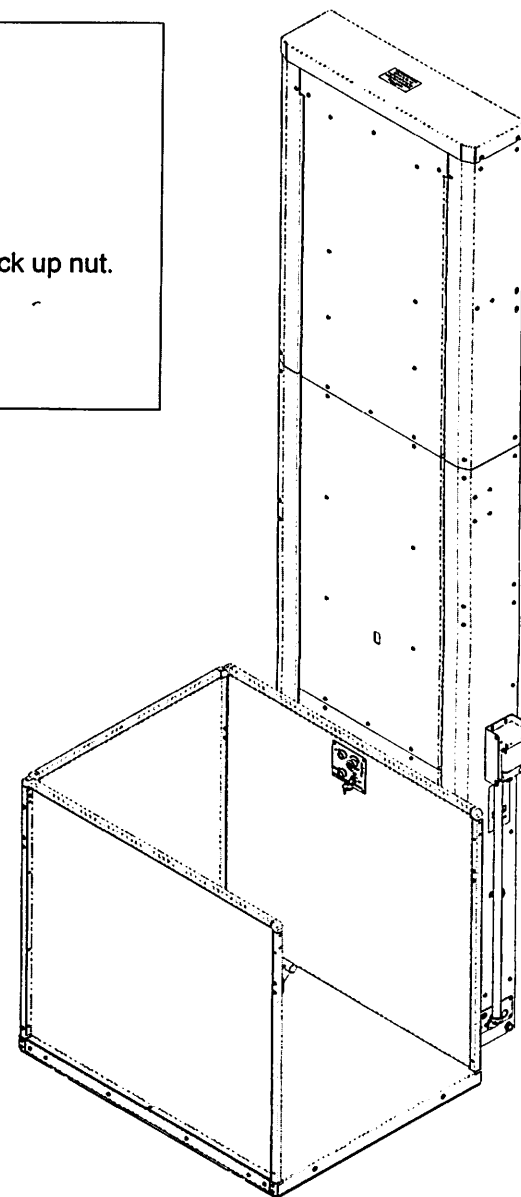
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD: 750 lbs maximum.
INPUT POWER SOURCE:
-DC BATTERY POWERED UNIT: 110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:
-DC BATTERY POWERED UNIT: VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION: Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE: VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:
-DC BATTERY POWERED UNIT: 24 VDC Relay control.
SPEED:
-DC BATTERY POWERED UNIT: 10 feet per minute maximum

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



ILS-00984
SHEET 1 OF 3
REV. 3 (5328)(4/8/13)(DPG)

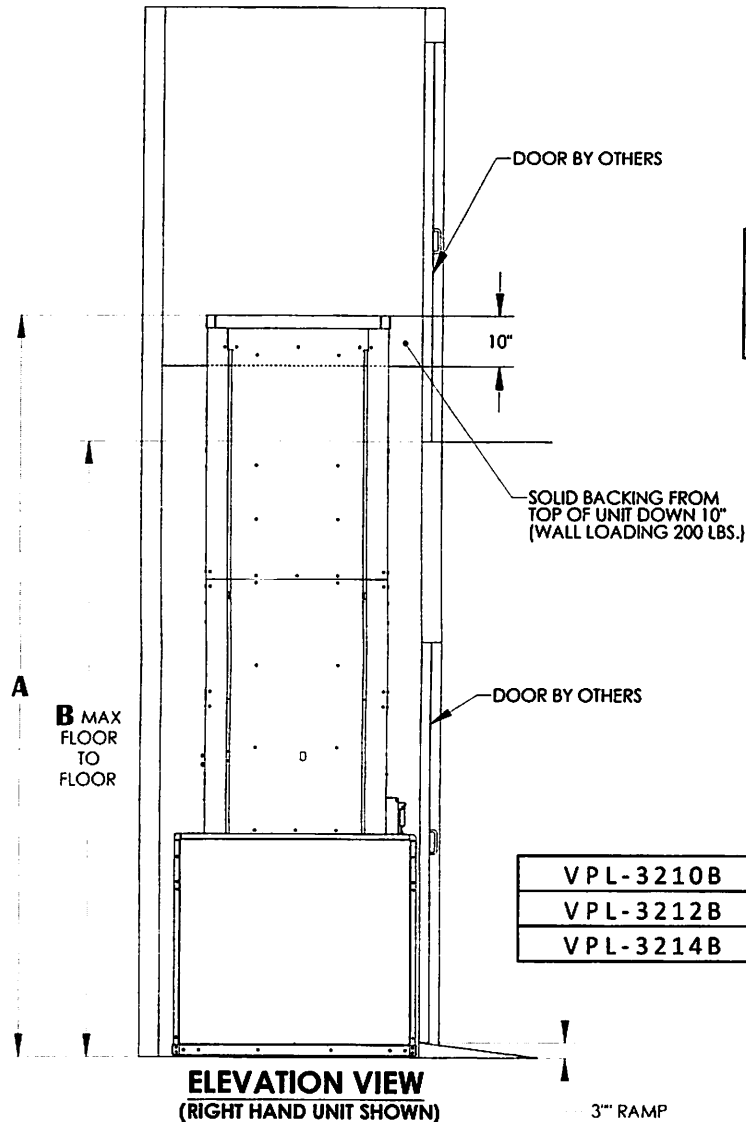
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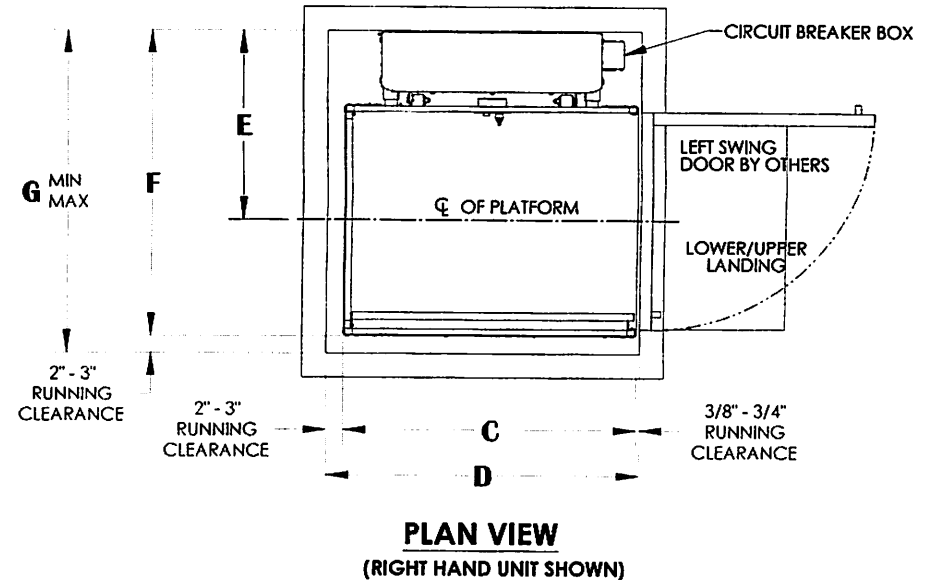
HOISTWAY SAME SIDE PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT



	C	D	E	F	G MIN	G MAX
36" X 48" PLATFORM	48-7/16"	50-13/16" - 52-3/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	54-7/16"	56-13/16" - 58-3/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	34-9/16"	56-13/16"	58-13/16"	59-13/16"

	A	B
VPL-3210B	148-1/16"	123"
VPL-3212B	172-1/16"	147"
VPL-3214B	196-1/16"	171"



- NOTES:**
1. HOISTWAY IN ACCORDANCE WITH SAFETY CODES (ASME -A18.1) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.
 2. PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES. MUST BE CONSTRUCTED PLUMB ($\pm 1/8$ IN) AND SQUARE AND TO SIZE SHOWN.
 3. NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE UNIT IS PERMITTED IN THE HOISTWAY.

ILS-00984
SHEET 2 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY SAME SIDE PLATFORM (NO PIT)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

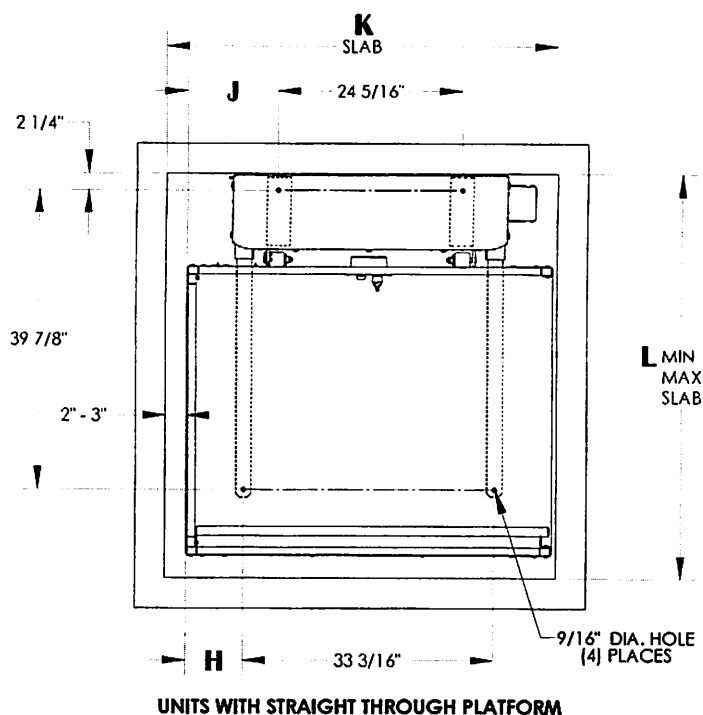
ANCHOR POINT LOCATIONS/SLAB DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



	H	J	K	L MIN	L MAX
36" X 48" PLATFORM	7-5/8"	12-1/16"	50-13/16" - 52-3/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	10-5/8"	15-1/16"	56-13/16" - 58-3/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	58-13/16"	59-13/16"

ILS-00984
SHEET 3 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY SAME SIDE PLATFORM (PIT APPLICATION)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

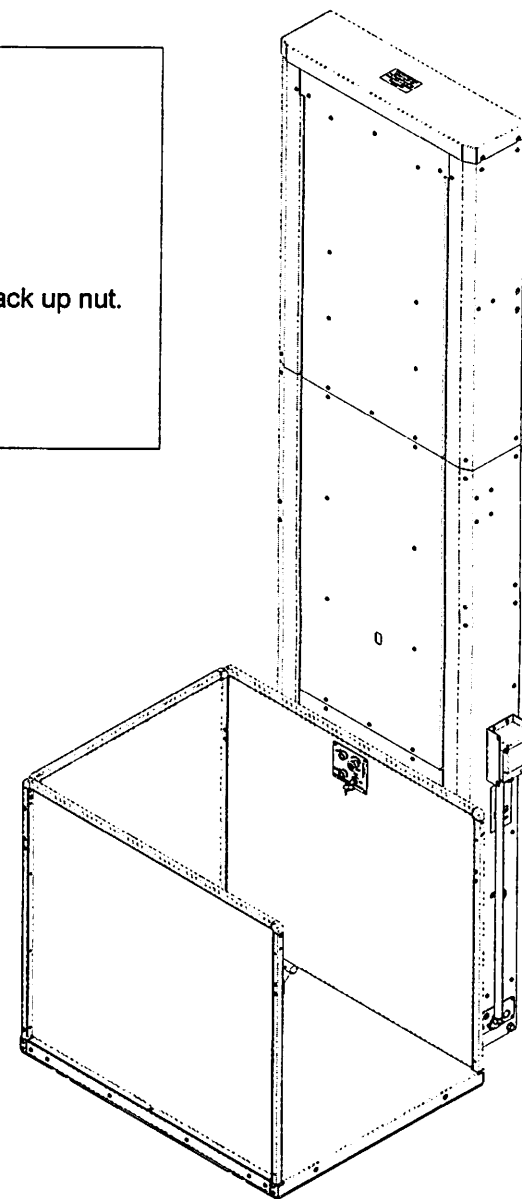
TECHNICAL DATA/SPECIFICATIONS

RATED LOAD: 750 lbs maximum.
INPUT POWER SOURCE:
-DC BATTERY POWERED UNIT: 110-120 Volt 3 Amp 60 Hz battery charger.
DRIVE:
-DC BATTERY POWERED UNIT: VPL-3200B: 1 hp motor, 1750 rpm, 24 VDC, continuous duty.
INTERMEDIATE REDUCTION: Dual 4L style Poly-V belts and pulleys, 3.94:1 pulley reduction.
FINAL DRIVE: VPL-3200B: 1.25" dia. ACME screw w/bronze nut and bronze safety back up nut.
MOTOR CONTROLLER:
-DC BATTERY POWERED UNIT: 24 VDC Relay control.
SPEED:
-DC BATTERY POWERED UNIT: 10 feet per minute maximum

For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"

PERFORMANCE STANDARDS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) Exempt, File No. 890.3930,
Product Code: PCE
ANSI/ASME: A18.1-2011 Section 5 Safety Standards for Platform Lifts and Stairway Chairlifts
CSA B613-00 (JAN 2002) Private Residence Lifts for Persons with Physical Disabilities
ANSI/ASME: CSA B44.1-11/ASME-A17.5-2011 Elevator and Escalator Electrical Equipment



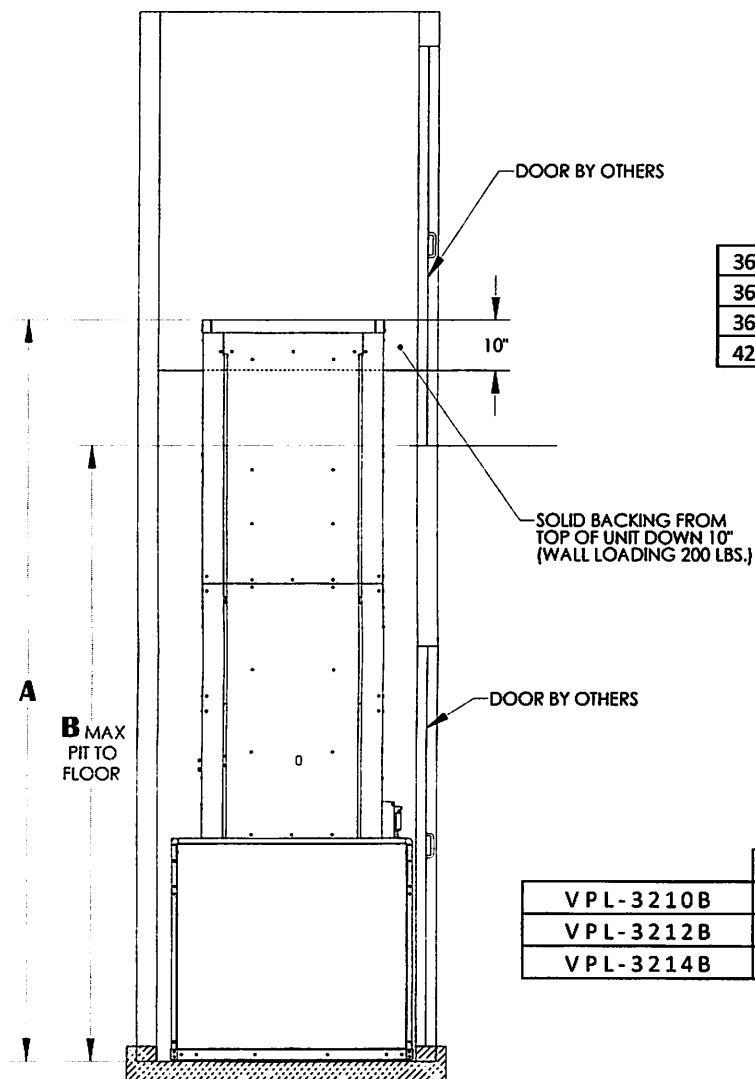
ILS-00985
SHEET 1 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY SAME SIDE PLATFORM (PIT APPLICATION)

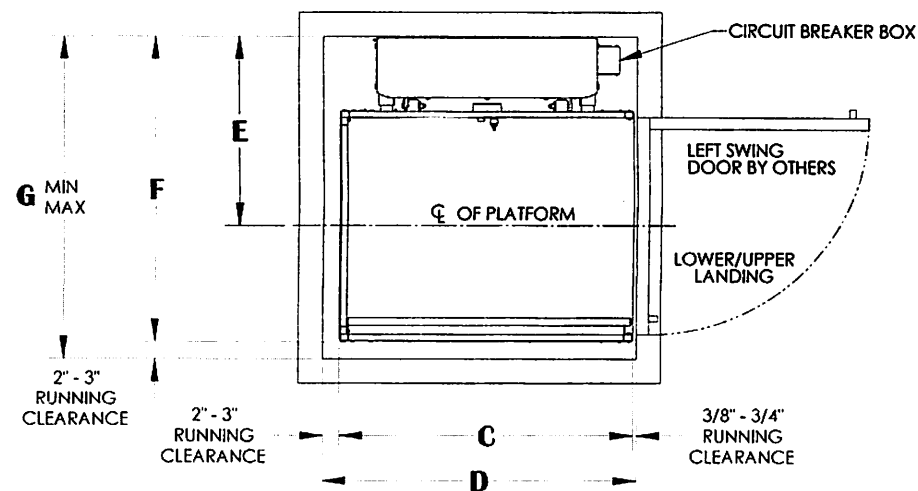
VPL-3200B SERIES VERTICAL PLATFORM LIFT



ELEVATION VIEW
(RIGHT HAND UNIT SHOWN)

	C	D	E	F	G MIN	G MAX
36" X 48" PLATFORM	48-7/16"	50-13/16" - 52-3/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	54-7/16"	56-13/16" - 58-3/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	31-9/16"	50-13/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	60-7/16"	62-13/16" - 64-3/16"	34-9/16"	56-13/16"	58-13/16"	59-13/16"

	A	B
VPL-3210B	148-1/16"	123"
VPL-3212B	172-1/16"	147"
VPL-3214B	196-1/16"	171"



PLAN VIEW
(RIGHT HAND UNIT SHOWN)

NOTES:

1. HOISTWAY IN ACCORDANCE WITH SAFETY CODES (ASME -A18.1) AND TO LOCAL CODES AND REGULATIONS. HOISTWAY TO BE FIRE RATED IN ACCORDANCE WITH APPLICABLE BUILDING CODES IF REQUIRED BY SUCH CODES.
2. PLUMB HOISTWAY DUE TO CLOSE RUNNING CLEARANCES. MUST BE CONSTRUCTED PLUMB ($\pm 1/8$ IN) AND SQUARE AND TO SIZE SHOWN.
3. NO CONDUIT, WIRING OR PIPING OTHER THAN THAT PERTAINING TO THE UNIT IS PERMITTED IN THE HOISTWAY.

ILS-00985
SHEET 2 OF 3
REV. 3 (5328)(4/8/13)(DPG)

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HOISTWAY SAME SIDE PLATFORM (PIT APPLICATION)

VPL-3200B SERIES VERTICAL PLATFORM LIFT

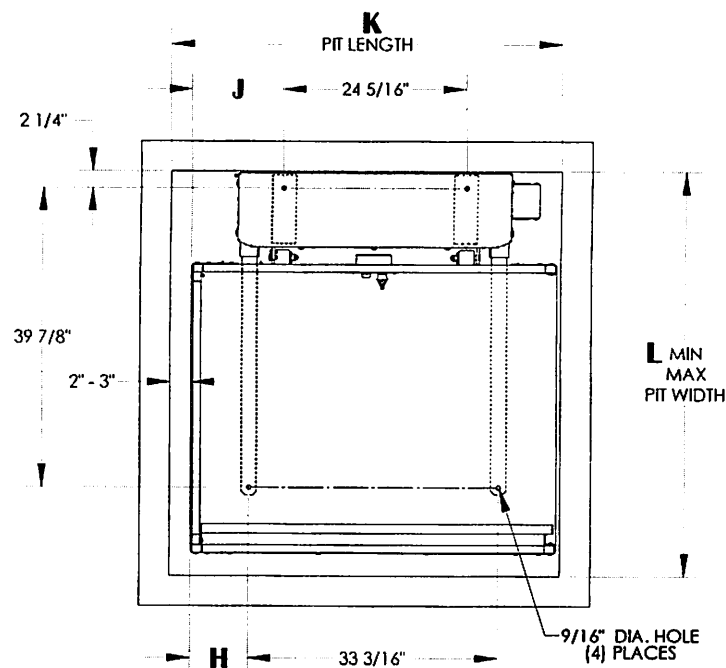
ANCHOR POINT LOCATIONS/PIT DETAIL

TECHNICAL SPECIFICATIONS

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.
FOLLOW SELECTED CONCRETE ANCHOR MANUFACTURERS GUIDELINES AND
APPLICABLE CODES.

FLOOR REQUIREMENTS:
4" THICK 3500 PSI MINIMUM COMPRESSIVE STRENGTH, REINFORCED CONCRETE SLAB.

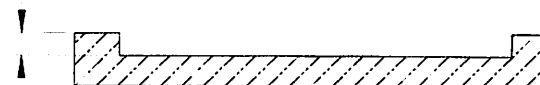
For complete technical specifications please see
ILS-00986 "VPL-3200B Series Residential Vertical Platform Lift Technical Specification"



UNITS WITH STRAIGHT THROUGH PLATFORM

	H	J	K	L MIN	L MAX
36" X 48" PLATFORM	7-5/8"	12-1/16"	50-13/16" - 52-3/16"	52-13/16"	53-13/16"
36" X 54" PLATFORM	10-5/8"	15-1/16"	56-13/16" - 58-3/16"	52-13/16"	53-13/16"
36" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	52-13/16"	53-13/16"
42" X 60" PLATFORM	13-5/8"	18-1/16"	62-13/16" - 64-3/16"	58-13/16"	59-13/16"

3" MIN
PIT DEPTH



PIT DETAIL

ILS-00985
SHEET 3 OF 3
REV. 3 (5328)(4/8/13)(DPG)

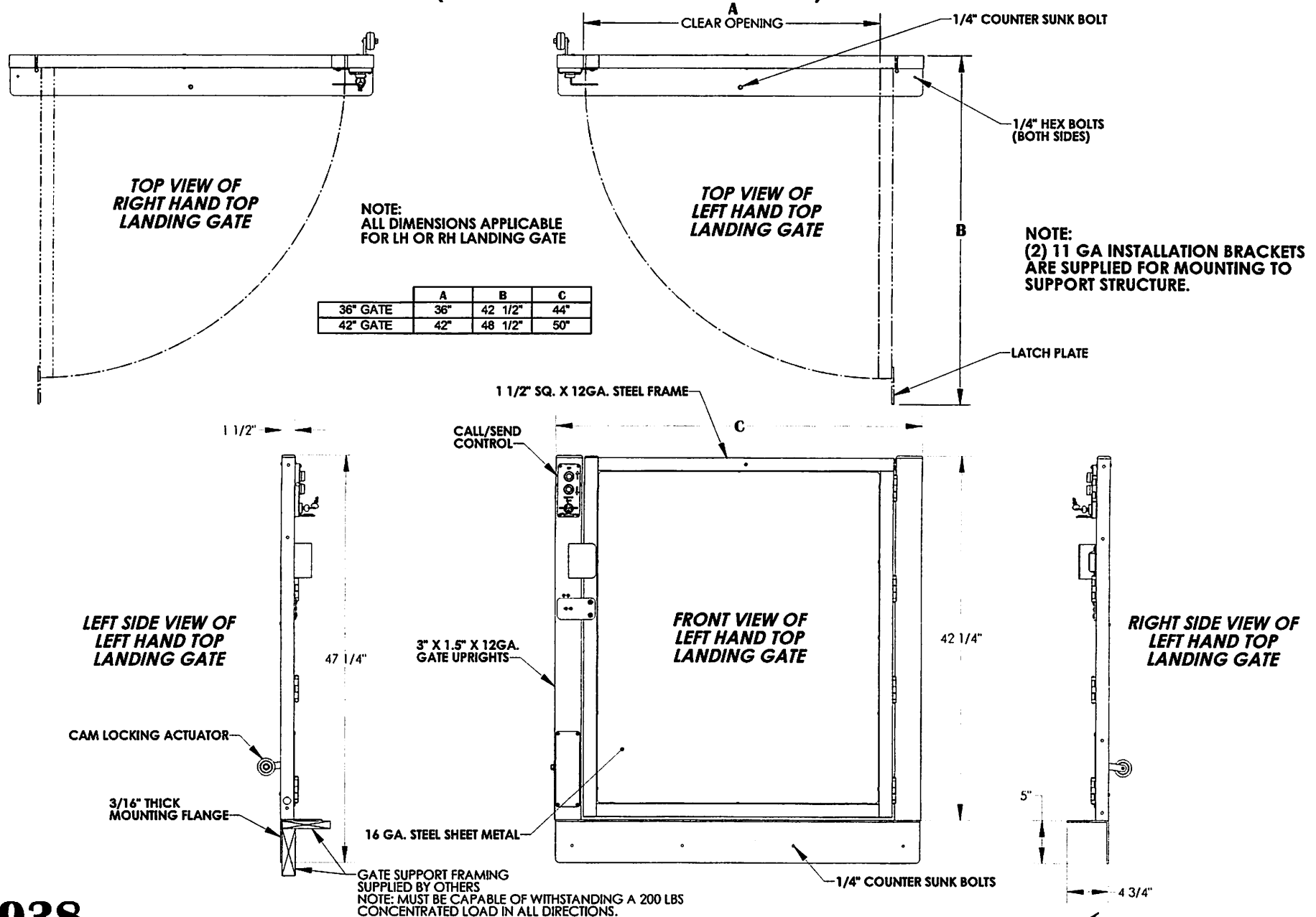
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LANDING GATE DETAIL

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

(VIEWED AT TOP LANDING)



ILS-00938
SHEET 1 OF 4
REV. 5 (5328)(4/8/13)(DPG)

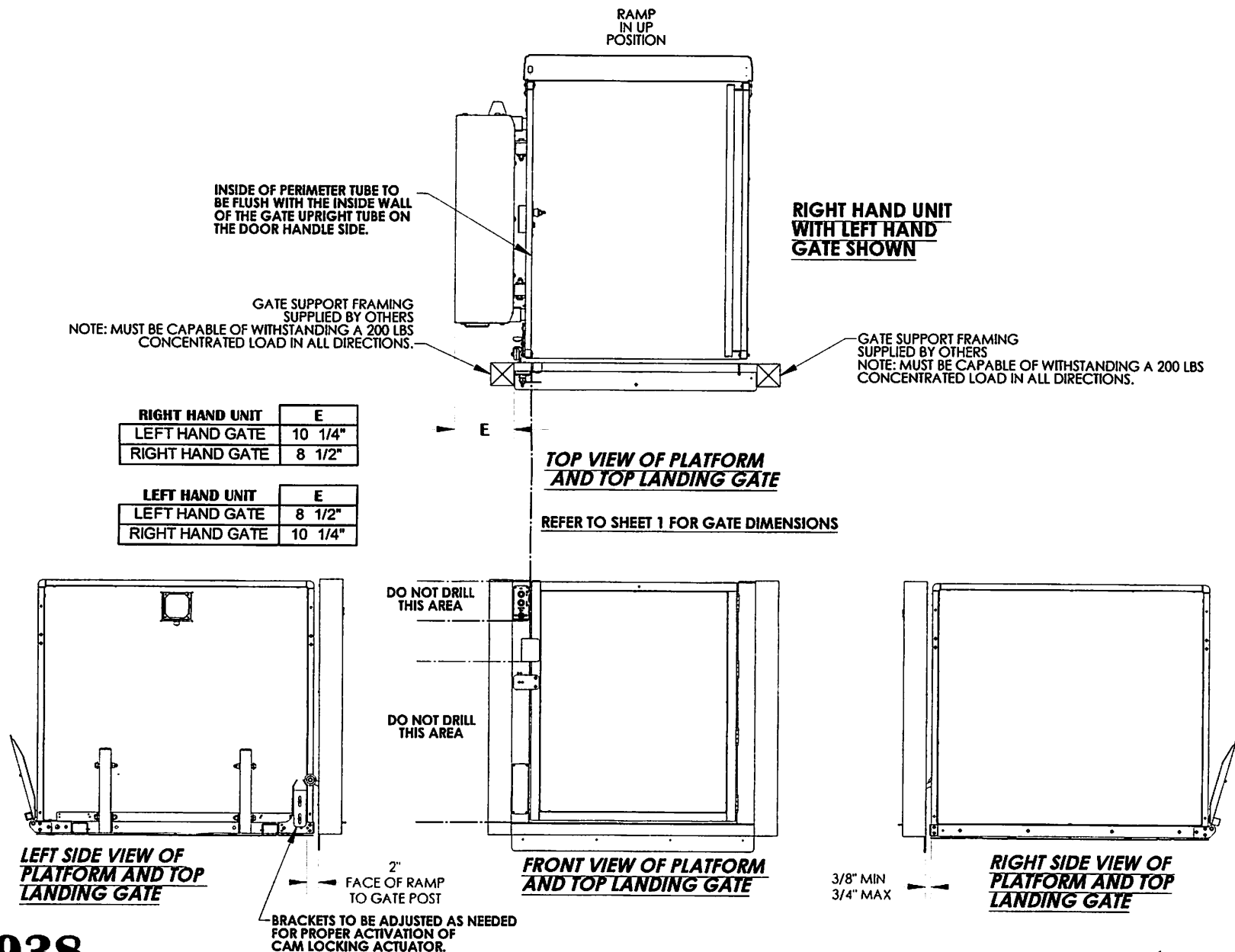
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LANDING GATE ALIGNMENT (STRAIGHT-THRU PLATFORM)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

(VIEWED AT TOP LANDING)



ILS-00938

SHEET 2 OF 4

REV. 5 (5328)(4/8/13)(DPG)

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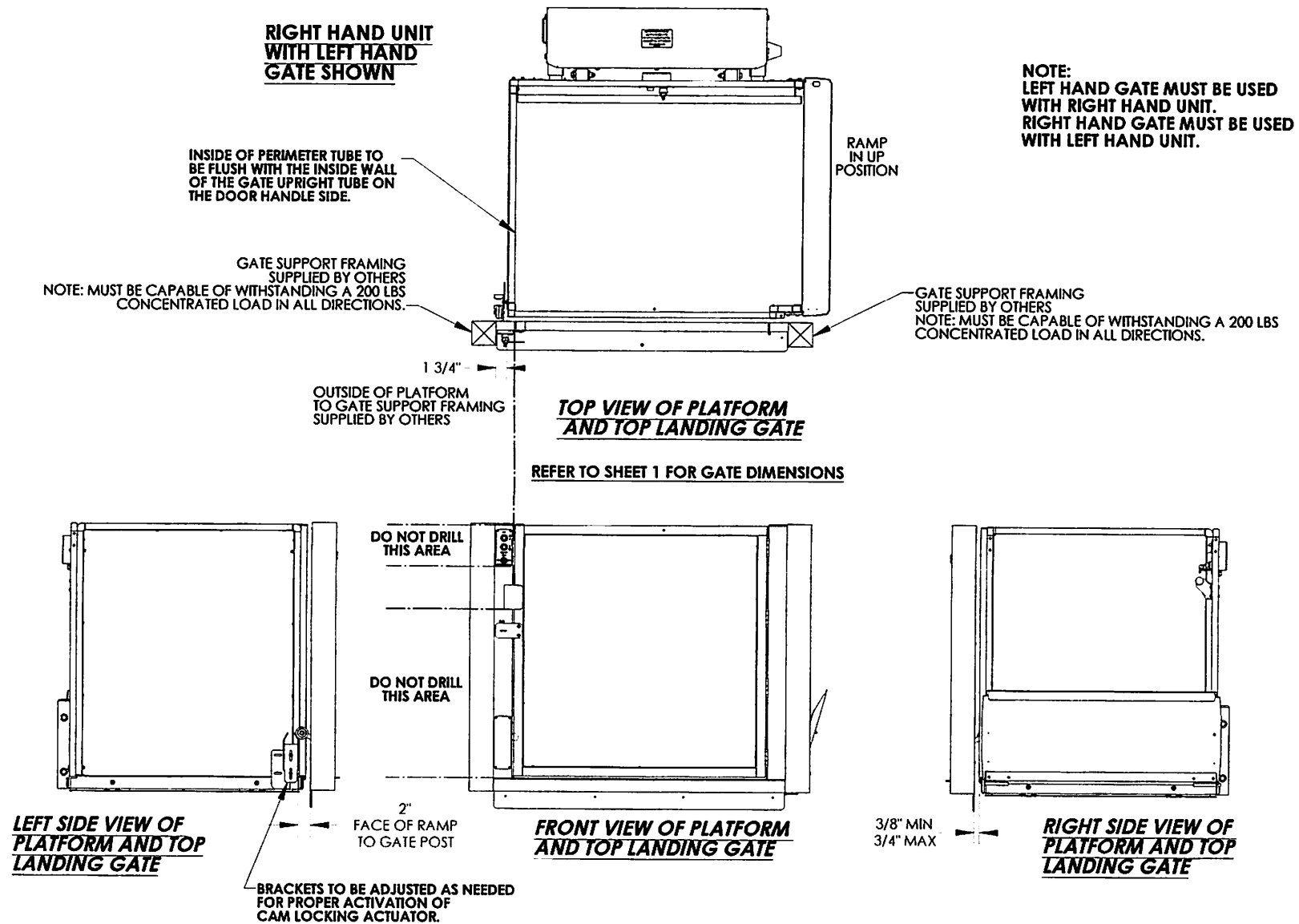
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LANDING GATE ALIGNMENT (90° / ADJACENT EXIT PLATFORM)

VPL-3100/VPL-3200B SERIES VERTICAL PLATFORM LIFT

(VIEWED AT TOP LANDING)



ILS-00938
SHEET 3 OF 4
REV. 5 (5328)(4/8/13)(DPG)

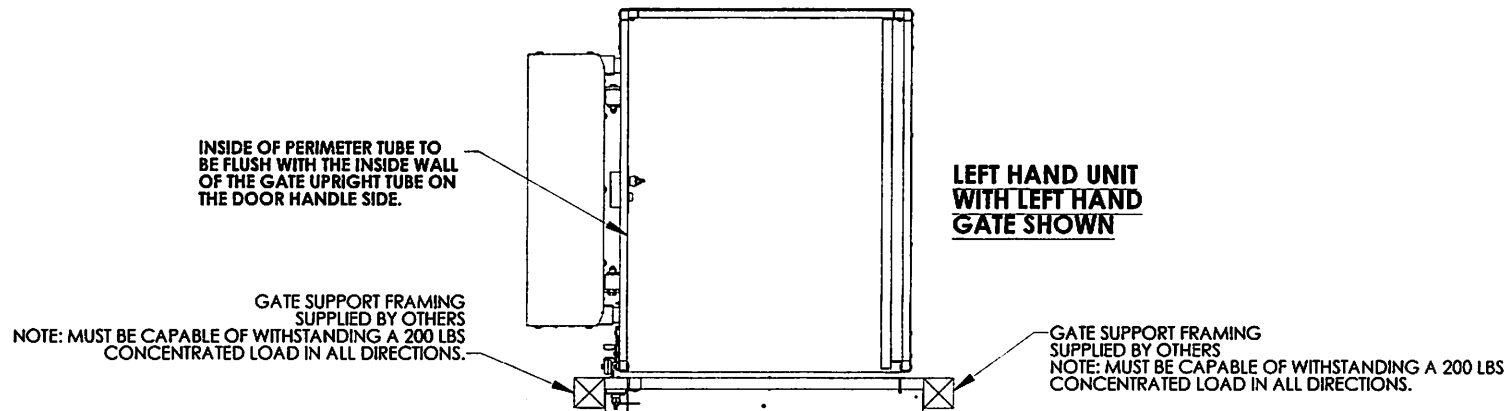
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LANDING GATE ALIGNMENT (SAME SIDE PLATFORM)

3200B SERIES VERTICAL PLATFORM LIFT

(VIEWED AT TOP LANDING)

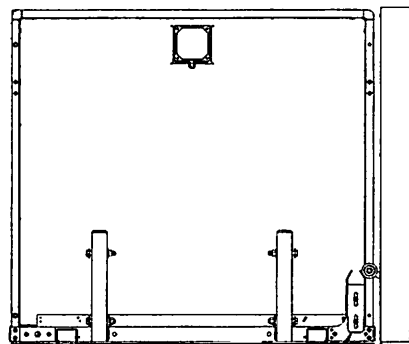


LEFT HAND UNIT	E
LEFT HAND GATE	10 1/4"
RIGHT HAND GATE	8 1/2"

RIGHT HAND UNIT	E
LEFT HAND GATE	8 1/2"
RIGHT HAND GATE	10 1/4"

TOP VIEW OF PLATFORM AND TOP LANDING GATE

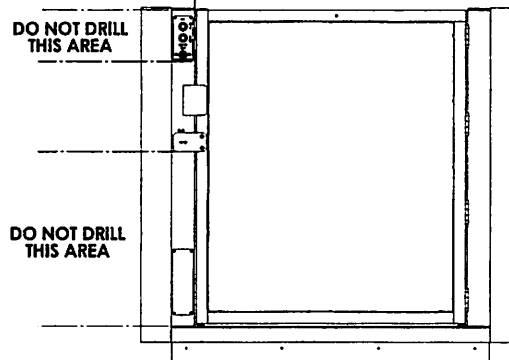
REFER TO SHEET 1 FOR GATE DIMENSIONS



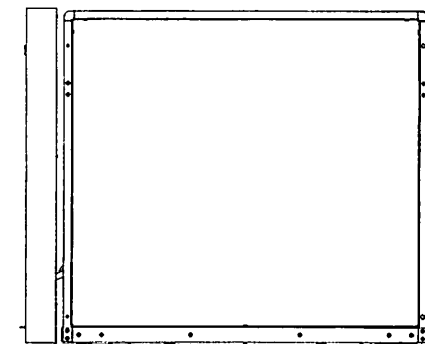
LEFT SIDE VIEW OF PLATFORM AND TOP LANDING GATE

2"
FACE OF RAMP TO GATE POST

BRACKETS TO BE ADJUSTED AS NEEDED FOR PROPER ACTIVATION OF CAM LOCKING ACTUATOR.



FRONT VIEW OF PLATFORM AND TOP LANDING GATE



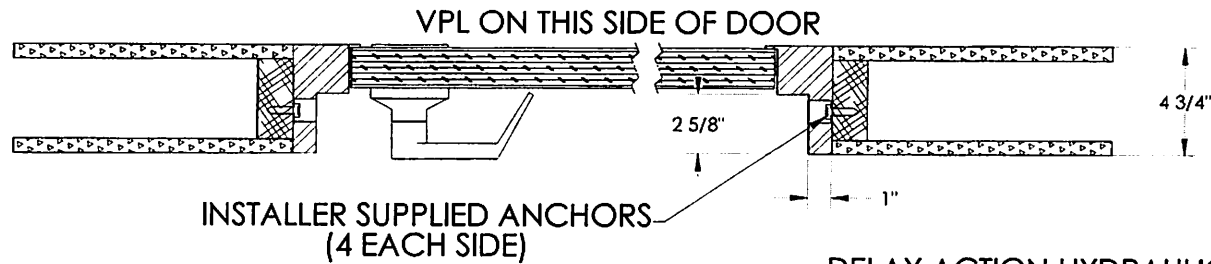
RIGHT SIDE VIEW OF PLATFORM AND TOP LANDING GATE

ILS-00938
SHEET 4 OF 4
REV. 5 (5328)(4/8/13)(DPG)

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FLUSH MOUNT DOOR DETAIL BRUNO VERTICAL PLATFORM LIFT



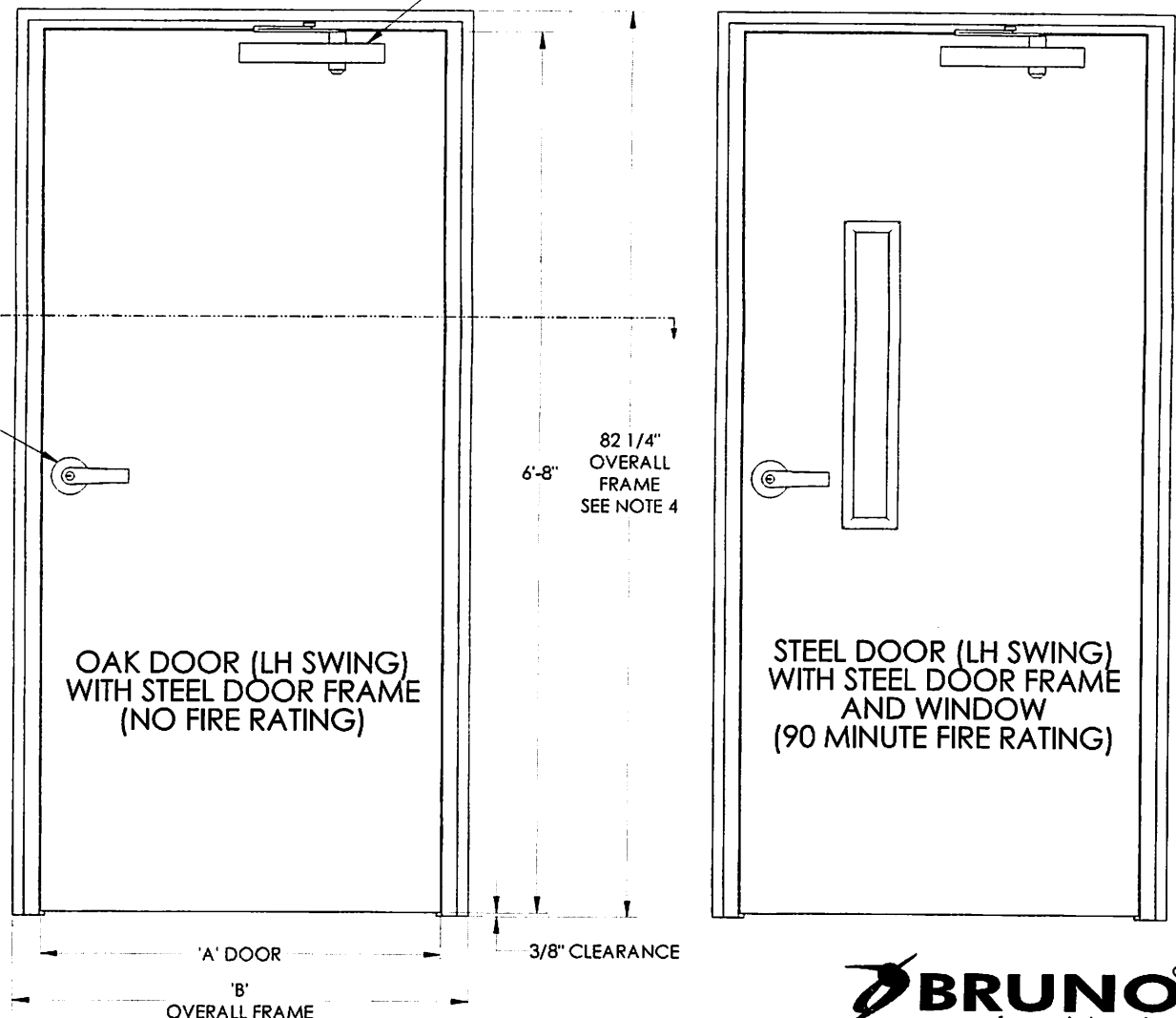
PART NO.	DESCRIPTION	'A'	'B'
VPL-32236	FLUSH MOUNT 36" OAK DOOR (LH SWING)	36"	41"
VPL-32237	FLUSH MOUNT 36" OAK DOOR (RH SWING)	36"	41"
VPL-32238	FLUSH MOUNT 36" STEEL DOOR (LH SWING)	36"	41"
VPL-32239	FLUSH MOUNT 36" STEEL DOOR (RH SWING)	36"	41"
VPL-32272	FLUSH MOUNT 46" OAK DOOR (LH SWING)	46"	51"
VPL-32273	FLUSH MOUNT 46" OAK DOOR (RH SWING)	46"	51"
VPL-32274	FLUSH MOUNT 46" STEEL DOOR (LH SWING)	46"	51"
VPL-32275	FLUSH MOUNT 46" STEEL DOOR (RH SWING)	46"	51"

NOTES:

- DOOR FRAME IS SHIPPED WITH TACKPLATE SILL WHICH IS REMOVED DURING INSTALLATION (USE A HAMMER TO REMOVE).
- INTERLOCK IS SHIPPED SEPARATELY TO PROTECT INTERLOCK. INSTRUCTIONS ARE INCLUDED WITH THE INTERLOCK FOR INSTALLATION INTO DOOR FRAME.
- FINISH:
 - OAK DOOR IS PLAIN (NOT FINISHED) AND FRAME IS GRAY PRIMER FINISH.
 - STEEL DOOR AND FRAME HAS A GRAY PRIMER FINISH.
- IF DOOR IS USED WITH A FIXED RAMP, RAISE THE DOOR FRAME UP THE HEIGHT OF THE FIXED RAMP. PLEASE ALLOW FOR THIS IN THE ROUGH OPENING IF NEEDED. YOU WILL HAVE TO FINISH THE BOTTOM OF THE DOOR FRAME AS NEEDED.

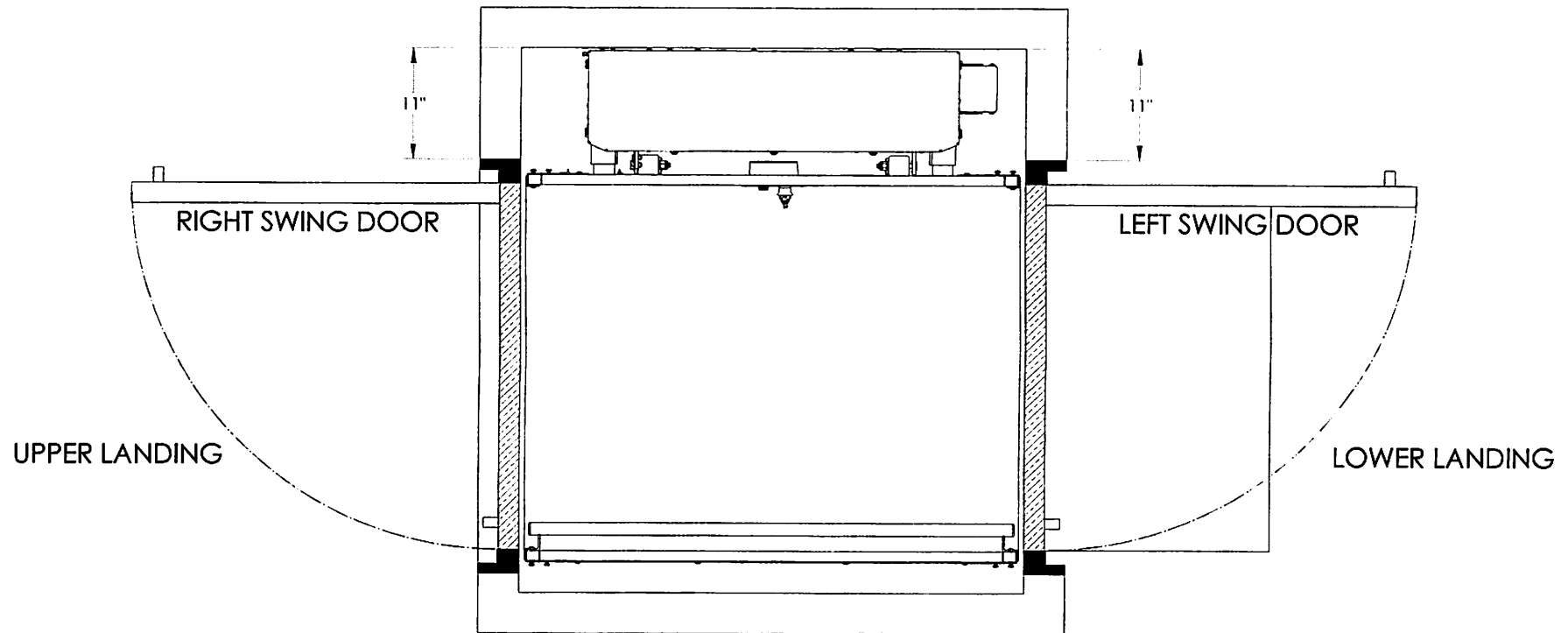
KEYED HANDLE

DELAY ACTION HYDRAULIC CLOSER



ILS-01027
SHEET 1 OF 4
REV. 2 (5523)(10/18/13)(DPG)

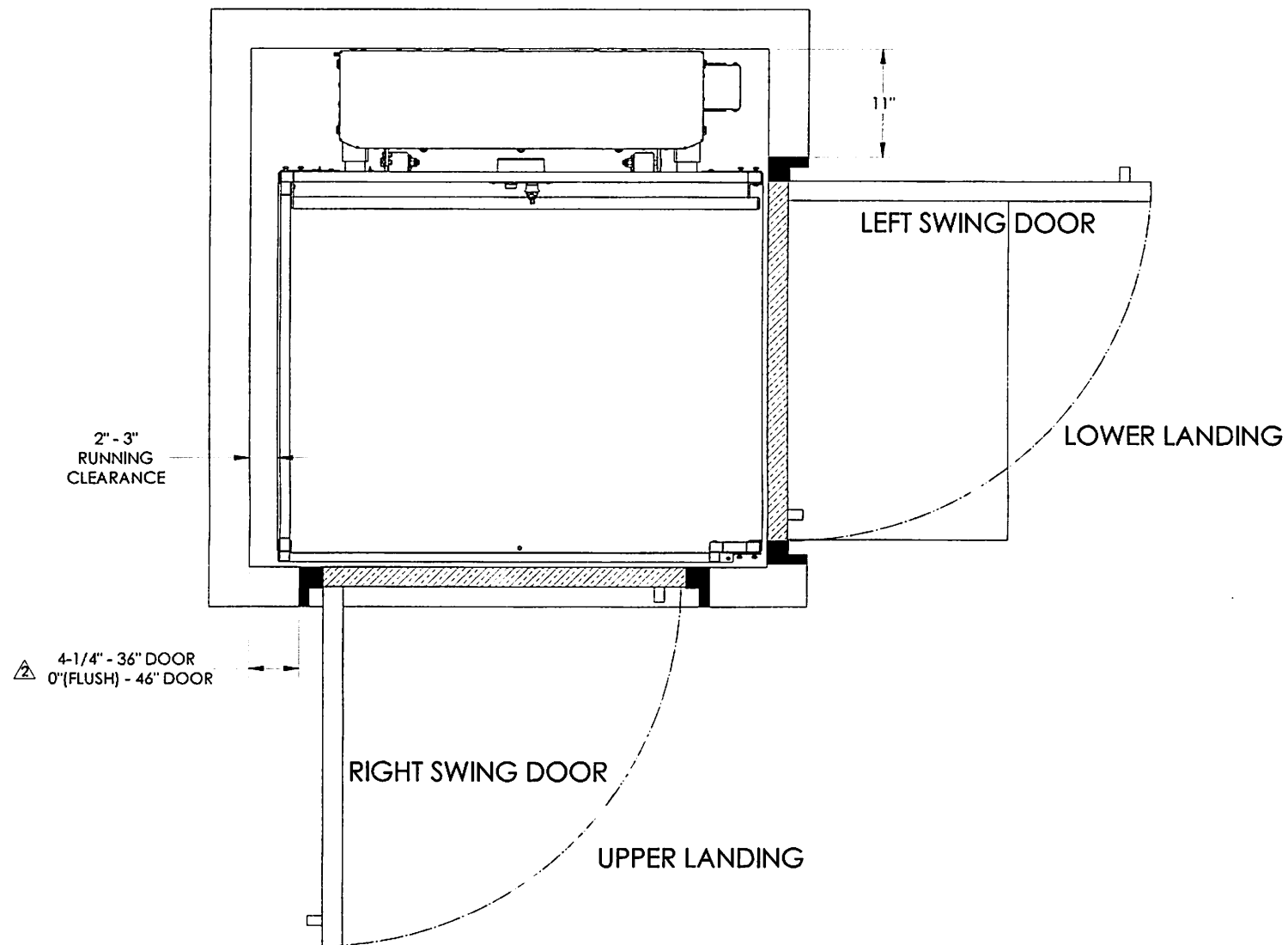
FLUSH MOUNT DOOR ALIGNMENT (STRAIGHT-THRU PLATFORM) BRUNO VERTICAL PLATFORM LIFT



PLAN VIEW
(RIGHT HAND UNIT SHOWN)

ILS-01027
SHEET 2 OF 4
REV. 2 (5523)(10/18/13)(DPG)

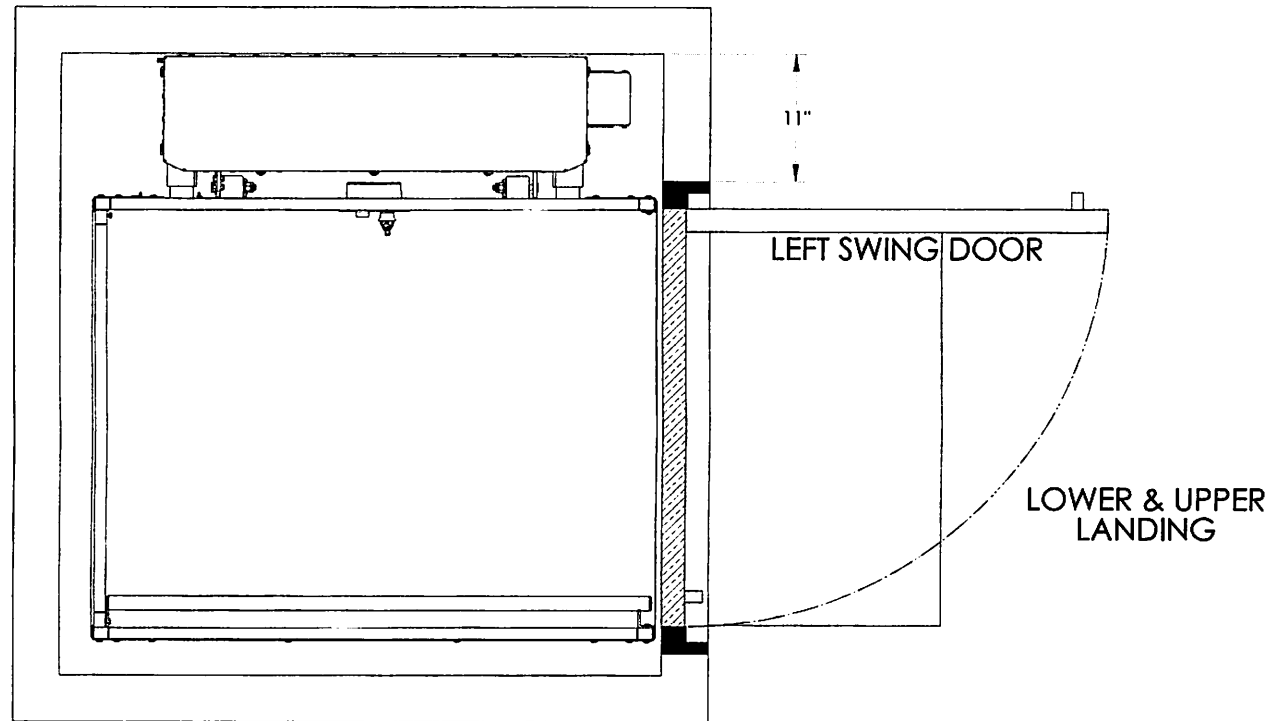
FLUSH MOUNT DOOR ALIGNMENT (90°/ADJACENT EXIT PLATFORM) BRUNO VERTICAL PLATFORM LIFT



PLAN VIEW
(RIGHT HAND UNIT SHOWN)

ILS-01027
SHEET 3 OF 4
REV. 2 (5523)(10/18/13)(DPG)

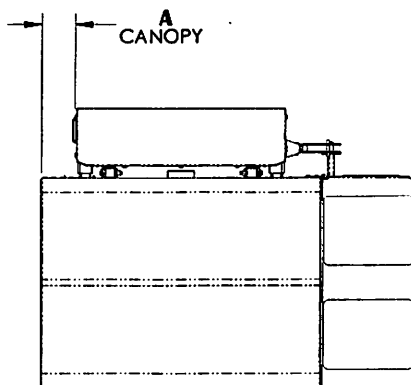
FLUSH MOUNT DOOR ALIGNMENT (SAME SIDE PLATFORM) BRUNO VERTICAL PLATFORM LIFT



PLAN VIEW
(RIGHT HAND UNIT SHOWN)

ILS-01027
SHEET 4 OF 4
REV. 2 (5523)(10/18/13)(DPG)

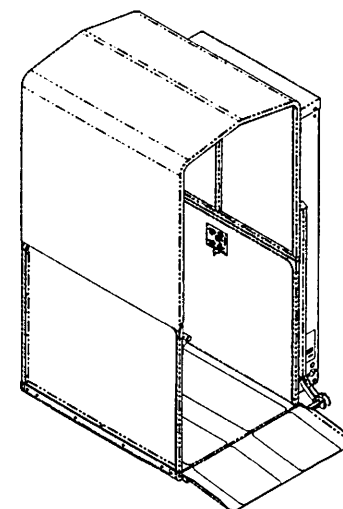
VPL-3100 SERIES VERTICAL PLATFORM LIFT W/CANOPY



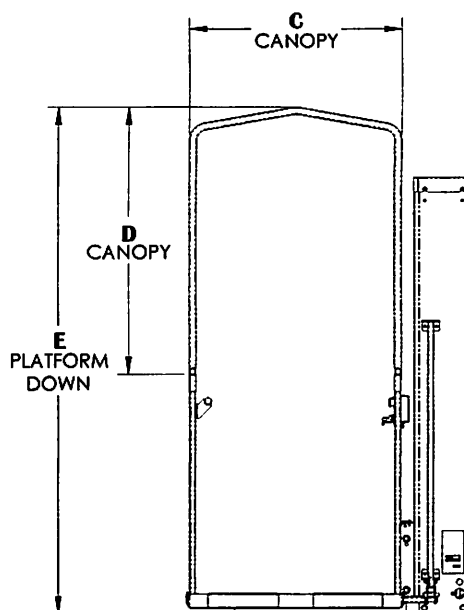
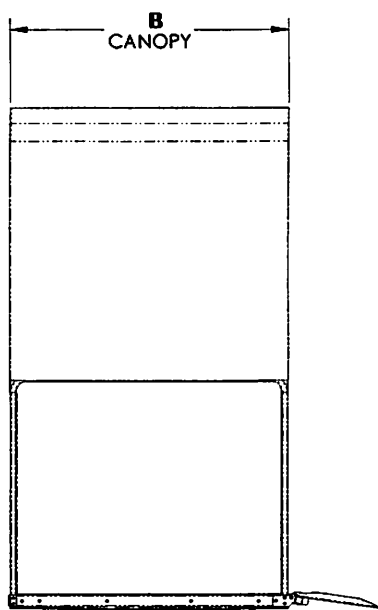
PLATFORM	A	B	C	D	E	VPL-3153 & VPL-3153B	VPL-3175 & VPL-3175B
						F	F
34" X 48"	6.04	48.25	36.50	46.29	87.76	140.76	162.76
34" X 54"	9.04	54.25	36.50	46.29	87.76	140.76	162.76
34" X 60"	12.04	60.25	36.50	46.29	87.76	140.76	162.76
36" X 48"	6.04	48.25	38.50	45.44	89.94	142.94	164.94
36" X 54"	9.04	54.25	38.50	45.44	89.94	142.94	164.94
36" X 60"	12.04	60.25	38.50	45.44	89.94	142.94	164.94



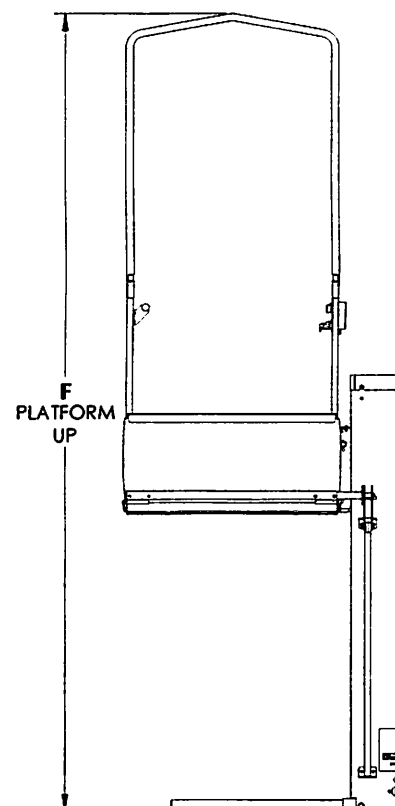
**NOTE:
PLATFORM CANOPY
CANNOT BE FITTED
TO A 90° PLATFORM.**



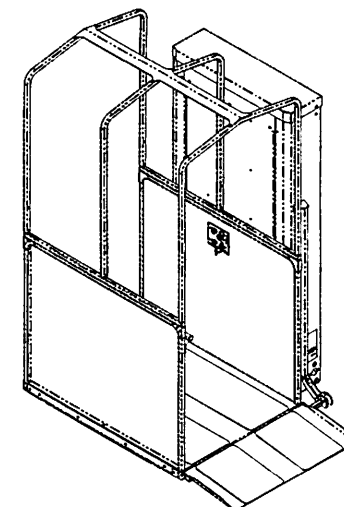
**VPL-3153 SHOWN WITH
34" x 48" PLATFORM & CANOPY**



PLATFORM @ LOWER LANDING



**PLATFORM @ MAX
LIFTING HEIGHT**



**CANOPY REMOVED TO SHOW
FRAMEWORK FOR CANOPY**

ILS-00846

SHEET 1 OF 1

REV. 1 (4393)(12/17/09)(DPG)