



PASSPORT® Vertical Platform Lift (VPL)

Technical Specifications

STRAIGHT PLATFORM

PL44SP3651 – 44" (w/ Standard Straight Platform)

Weight (Tower/Platform/Net)	: 165 / 174 / 339 lbs.
Tower Height (Overall)	: 68-1/8"
Platform Assembly Height (Max.)	: 89-3/4"
Platform Useable Size	: 50-3/4" x 36"
Lifting Height (Landing-to-Landing)	: 44"
Overall Footprint (Ramp Deployed)	: 75" x 55-7/8"

PL52SP3651 – 52" (w/ Standard Straight Platform)

Weight (Tower/Platform/Net)	: 193 / 174 / 367 lbs.
Tower Height (Overall)	: 76-1/8"
Platform Assembly Height (Max.)	: 97-3/4"
Platform Useable Size	: 50-3/4" x 36"
Lifting Height (Landing-to-Landing)	: 52"
Overall Footprint (Ramp Deployed)	: 75" x 55-7/8"

PL72SP3651 – 72" (w/ Standard Straight Platform)

Weight (Tower/Platform/Net)	: 224 / 174 / 398 lbs.
Tower Height (Overall)	: 96-1/8"
Platform Assembly Height (Max.)	: 117-3/4"
Platform Useable Size	: 50-3/4" x 36"
Lifting Height (Landing-to-Landing)	: 72"
Overall Footprint (Ramp Deployed)	: 75" x 55-7/8"

PL120SP3651 – 120" (w/ Standard Straight Platform)

Weight (Tower/Platform/Net)	: 318 / 174 / 492 lbs.
Tower Height (Overall)	: 144-1/8"
Tower Width*	: 34-5/8"
Platform Assembly Height (Max.)	: 165-3/4"
Platform Useable Size	: 50-3/4" x 36"
Lifting Height (Landing-to-Landing)	: 120"
Overall Footprint (Ramp Deployed)	: 75" x 55-7/8"

PL144SP3651 – 144" (w/ Standard Straight Platform)

Weight (Tower/Platform/Net)	: 349 / 174 / 523 lbs.
Tower Height (Overall)	: 168-1/8"
Platform Assembly Height (Max.)	: 189-3/4"
Platform Useable Size	: 50-3/4" x 36"
Lifting Height (Landing-to-Landing)	: 144"
Overall Footprint (Ramp Deployed)	: 75" x 55-7/8"

PL168SP3651 – 168" (w/ Standard Straight Platform)

Weight (Tower/Platform/Net)	: 415 / 174 / 589 lbs.
Tower Height (Overall)	: 192-1/8"
Platform Assembly Height (Max.)	: 213-3/4"
Platform Useable Size	: 50-3/4" x 36"
Lifting Height (Landing-to-Landing)	: 168"
Overall Footprint (Ramp Deployed)	: 75" x 55-7/8"

TURN PLATFORM

PL44TP3860 – 44" (w/ Standard Turn Platform)

Weight (Tower/Platform/Net)	: 165 / 184 / 349 lbs.
Tower Height (Overall)	: 68-1/8"
Platform Assembly Height (Max.)	: 89-3/4"
Platform Useable Size	: 57-3/4" x 37-1/8"
Lifting Height (Landing-to-Landing)	: 44"
Overall Footprint (Ramp Deployed)	: 84" x 55-7/8"

PL52TP3860 – 52" (w/ Standard Turn Platform)

Weight (Tower/Platform/Net)	: 193 / 184 / 377 lbs.
Tower Height (Overall)	: 76-1/8"
Platform Assembly Height (Max.)	: 97-3/4"
Platform Useable Size	: 57-3/4" x 37-1/8"
Lifting Height (Landing-to-Landing)	: 52"
Overall Footprint (Ramp Deployed)	: 84" x 55-7/8"

PL72TP3860 – 72" (w/ Standard Turn Platform)

Weight (Tower/Platform/Net)	: 224 / 184 / 408 lbs.
Tower Height (Overall)	: 96-1/8"
Platform Assembly Height (Max.)	: 117-3/4"
Platform Useable Size	: 57-3/4" x 37-1/8"
Lifting Height (Landing-to-Landing)	: 72"
Overall Footprint (Ramp Deployed)	: 84" x 55-7/8"

PL120TP3860 – 120" (w/ Standard Turn Platform)

Weight (Tower/Platform/Net)	: 318 / 184 / 502 lbs.
Tower Height (Overall)	: 144-1/8"
Tower Width*	: 39-11/64"
Platform Assembly Height (Max.)	: 165-3/4"
Platform Useable Size	: 57-3/4" x 37-1/8"
Lifting Height (Landing-to-Landing)	: 120"
Overall Footprint (Ramp Deployed)	: 84" x 55-7/8"

PL144TP3860 – 144" (w/ Standard Turn Platform)

Weight (Tower/Platform/Net)	: 349 / 184 / 533 lbs.
Tower Height (Overall)	: 168-1/8"
Platform Assembly Height (Max.)	: 189-3/4"
Platform Useable Size	: 57-3/4" x 37-1/8"
Lifting Height (Landing-to-Landing)	: 144"
Overall Footprint (Ramp Deployed)	: 84" x 55-7/8"

PL168TP3860 – 168" (w/ Standard Turn Platform)

Weight (Tower/Platform/Net)	: 415 / 184 / 599 lbs.
Tower Height (Overall)	: 192-1/8"
Platform Assembly Height (Max.)	: 213-3/4"
Platform Useable Size	: 57-3/4" x 37-1/8"
Lifting Height (Landing-to-Landing)	: 168"
Overall Footprint (Ramp Deployed)	: 84" x 55-7/8"

Weights and dimensions are approximate and subject to change. Installing contractor to verify dimensional information prior to installation.

PERFORMANCE STDS:	B44.1 / ASME A17.5, ASME 18.1-2017 (Sec 5)
MAXIMUM RATED LOAD:	750 lbs.
NUMBER OF PASSENGERS:	Two (one occupant with mobility device, plus one caregiver); never exceed <i>Maximum Rated Load</i>
MAIN DRIVE ELECTRICAL:	24 VDC supplied by two 12 VDC-12 Ah sealed lead-acid batteries; 2-amp smart charger
CONTROL CIRCUIT ELECTRICAL:	12 VDC
AC INPUT:	120 VAC, .6 amps
AC POWER CORD LENGTH:	12'
PRIMARY DRIVE:	24 VDC worm drive motor; .58 hp; 28:1 reduction ratio; 96 rpm output speed rating
FINAL DRIVE:	1" diameter Hi-lead® drive screw with bronze nut and bronze safety back-up nut
DRIVE MOTOR CONTROL:	24 VDC reversing relay; 12 VDC control input; 30-amp auto reset circuit breaker
BRAKING:	Worm drive gear motor
STANDARD INTERFACE CONTROLS:	12 VDC; separate, continuous, low pressure large mushroom-head control switches for "UP/DOWN" operation; onboard LED indicator lights, including diagnostics for quick and easy reference; user adjustable control box; keyed operation
EMERGENCY STOP:	Red, sealed, 1.5" diameter mushroom-head, push button
PLATFORM TRAVEL SPEED:	10'/min
NUMBER OF STOPS/LANDINGS:	Two stops (upper and lower landings)
TOWER CONSTRUCTION:	Welded aluminum extrusion
CARRIAGE CONSTRUCTION:	Welded aluminum; 1.9" MDS nylon 6/6 rollers; UHMW polyethylene low friction buffers
PLATFORM CONSTRUCTION:	Welded aluminum, totally enclosed, removable aluminum framed side enclosures with coated steel filler panels
UNDER PLATFORM SAFETY:	Formed aluminum safety pan with obstruction detection circuit, designed to stop lift upon contact with an obstacle under platform; takes less than 15 lbs. of pressure to activate safety pan stop
GUARD RAMP:	Self-actuating; 24"
EMERGENCY LOWERING:	Manual hand-crank lowering capability
LIMIT SWITCHES:	Upper/lower and primary/secondary limit switch triggering locations are adjustable via movable cams
WEIGHT OF TOP LANDING GATE:	50 lbs.
CONCRETE PAD ATTACHMENT:	Anchor-ready 6000 Series Aluminum
MOUNTING SURFACE RECOMMENDED:	A level (F _F 30-35, F _L 20-25), ≥ 3,500 psi concrete pad with a 4" minimum thickness
DRIVE SCREW LUBRICATION:	DUPONT™ White Lithium Grease w/TEFLON® Fluoropolymer Aerosol (or equivalent)
WARRANTY:	2-Year Limited (visit www.ezaccess.com for complete warranty details)

44" PASSPORT Vertical Platform Lift

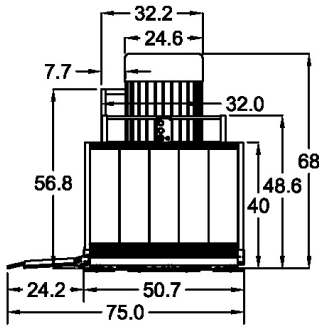


FIG 44.1

(STRAIGHT PLATFORM
SHOWN OPEN)

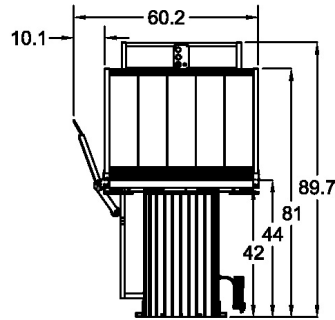


FIG. 44.2

(STRAIGHT PLATFORM
SHOWN CLOSED)

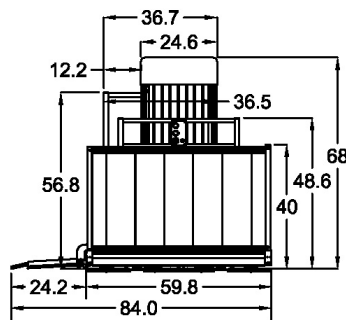


FIG. 44.3

(TURN PLATFORM
SHOWN OPEN)

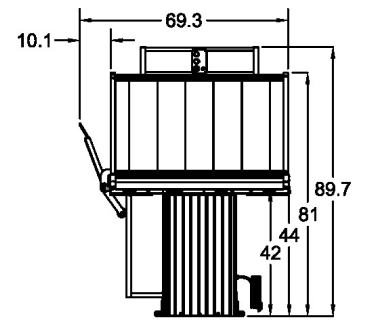


FIG. 44.4

(TURN PLATFORM
SHOWN CLOSED)

52" PASSPORT Vertical Platform Lift

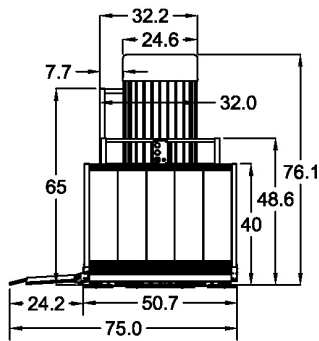


FIG 52.1

(STRAIGHT PLATFORM
SHOWN OPEN)

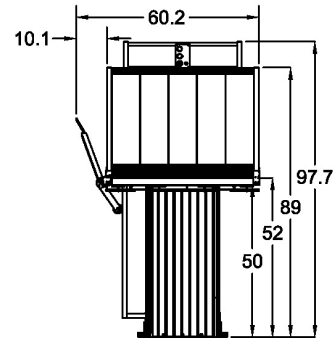


FIG. 52.2

(STRAIGHT PLATFORM
SHOWN CLOSED)

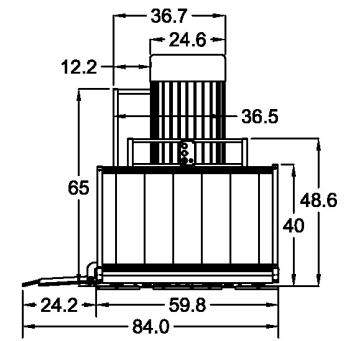


FIG. 52.3

(TURN PLATFORM
SHOWN OPEN)

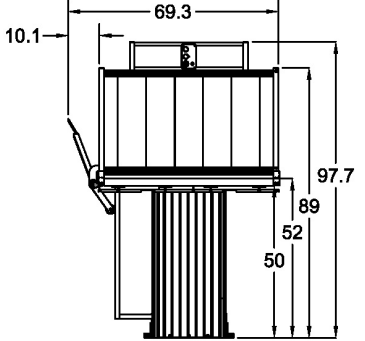


FIG. 52.4

(TURN PLATFORM
SHOWN CLOSED)

72" PASSPORT Vertical Platform Lift

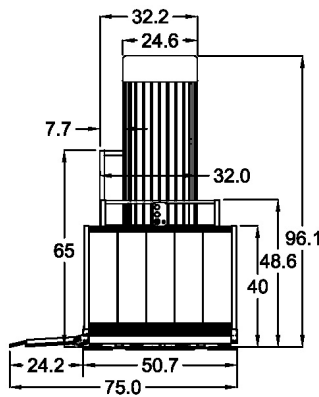


FIG 72.1

(STRAIGHT PLATFORM
SHOWN OPEN)

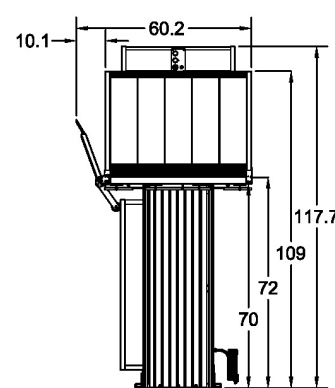


FIG. 72.2

(STRAIGHT PLATFORM
SHOWN CLOSED)

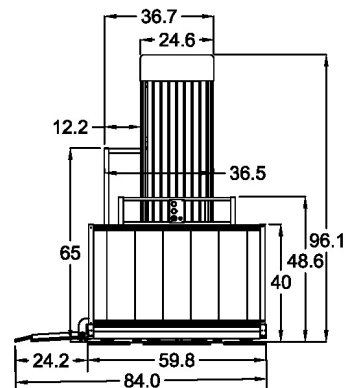


FIG. 72.3

(TURN PLATFORM
SHOWN OPEN)

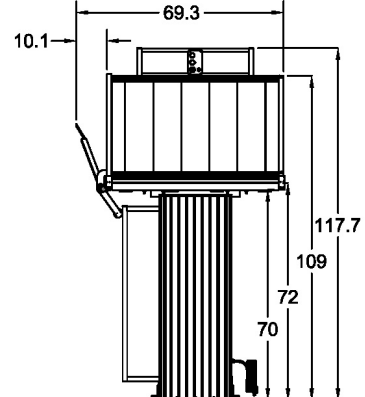


FIG. 72.4

(TURN PLATFORM
SHOWN CLOSED)

120" PASSPORT Vertical Platform Lift

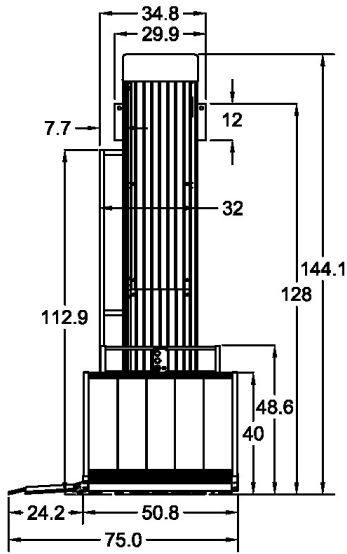


FIG 120.1
(STRAIGHT PLATFORM
SHOWN OPEN)

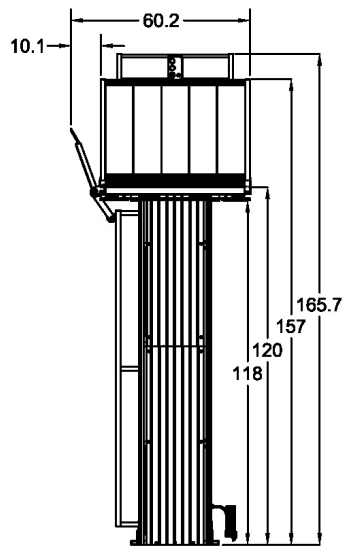


FIG. 120.2
(STRAIGHT PLATFORM
SHOWN CLOSED)

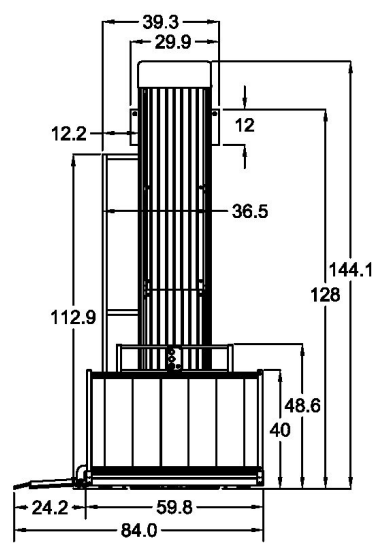


FIG. 120.3
(TURN PLATFORM
SHOWN OPEN)

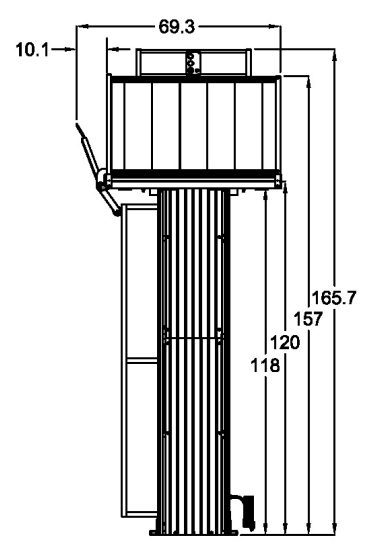


FIG. 120.4
(TURN PLATFORM
SHOWN CLOSED)

144" PASSPORT Vertical Platform Lift

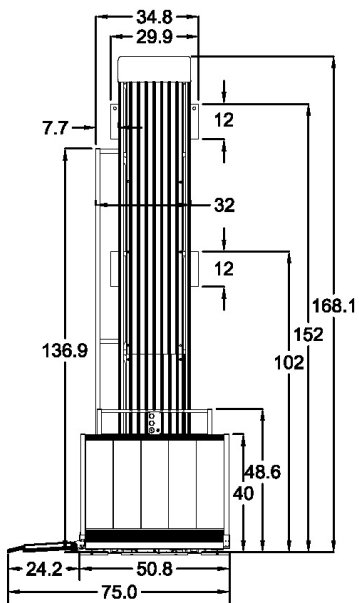


FIG 144.1
(STRAIGHT PLATFORM
SHOWN OPEN)

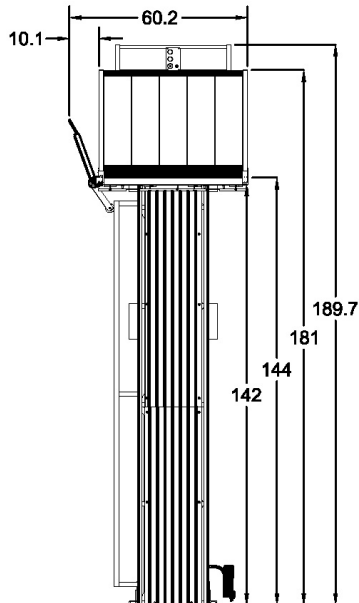


FIG. 144.2
(STRAIGHT PLATFORM
SHOWN CLOSED)

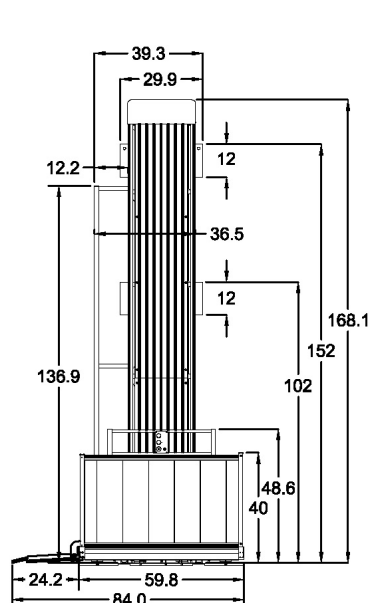


FIG. 144.3
(TURN PLATFORM
SHOWN OPEN)

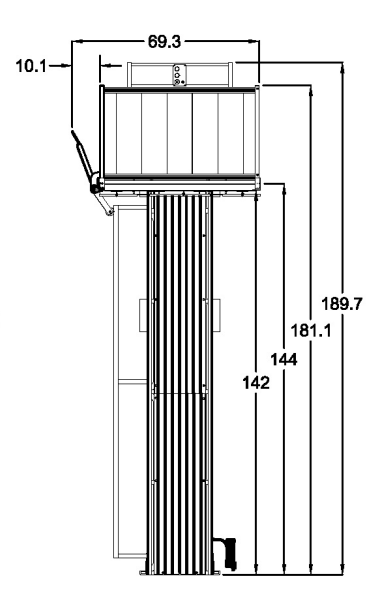


FIG. 144.4
(TURN PLATFORM
SHOWN CLOSED)

168" PASSPORT Vertical Platform Lift

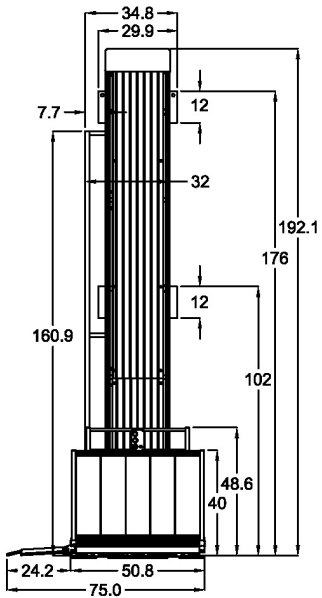


FIG 168.1
(STRAIGHT PLATFORM
SHOWN OPEN)

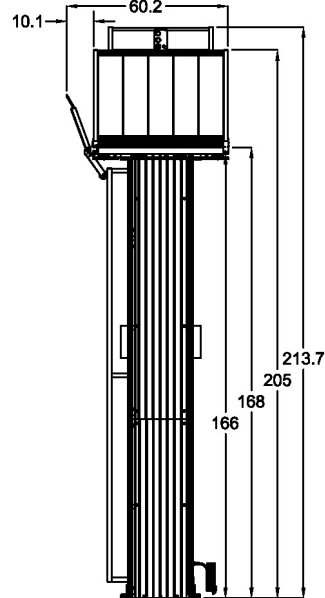


FIG. 168.2
(STRAIGHT PLATFORM
SHOWN CLOSED)

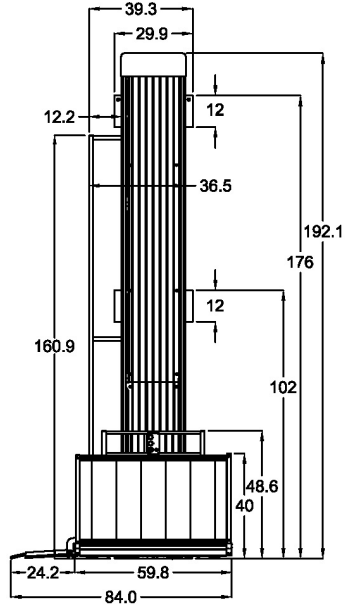


FIG. 168.3
(TURN PLATFORM
SHOWN OPEN)

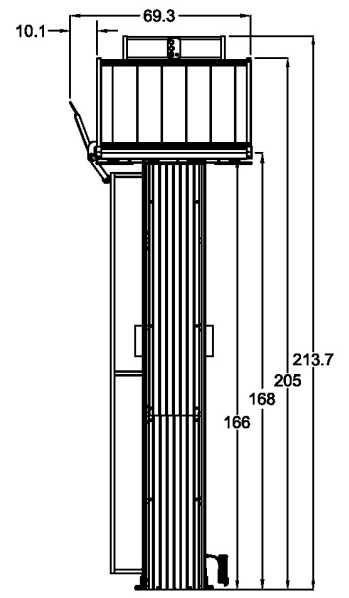
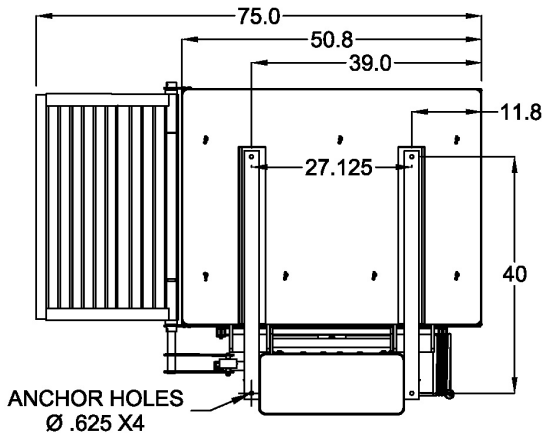
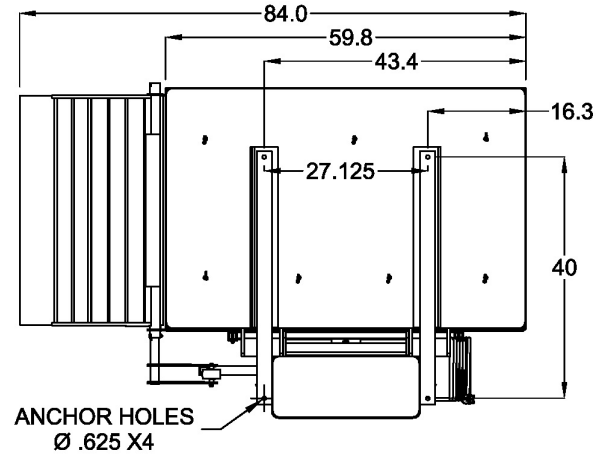


FIG. 168.4
(TURN PLATFORM
SHOWN CLOSED)

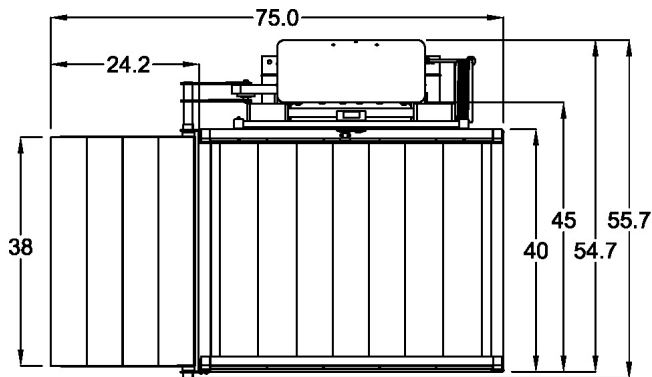
TOP & BOTTOM VIEW DIMENSIONS (APPLIES TO STANDARD STRAIGHT AND TURN PLATFORMS)



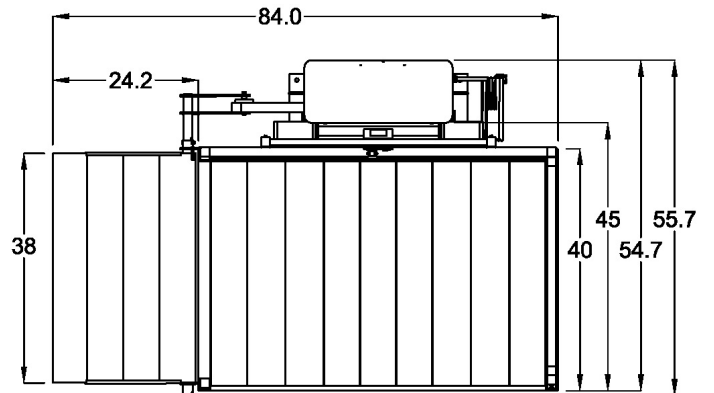
BOTTOM VIEW
(STRAIGHT PLATFORM)



BOTTOM VIEW
(TURN PLATFORM)



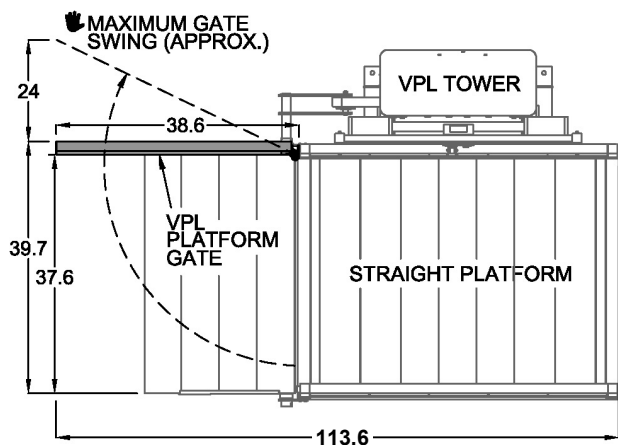
TOP VIEW
(STRAIGHT PLATFORM)



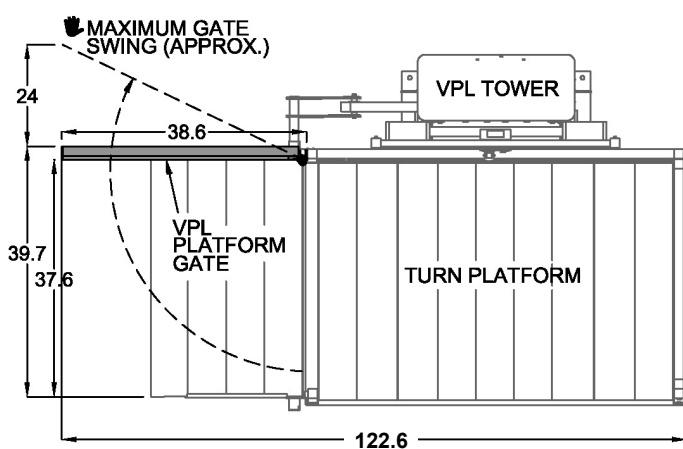
TOP VIEW
(TURN PLATFORM)

PLATFORM GATE DIMENSIONS

- ⚠ PLATFORM GATE DOES NOT LATCH (GATE HINGES ARE SPRING LOADED).
- ⚠ ENSURE MAXIMUM GATE SWING IS CONSIDERED DURING INSTALLATION AND USAGE EVALUATIONS. GATE SWING SHOWN BELOW IS APPROXIMATE; INSTALLING CONTRACTOR TO FIELD-VERIFY GATE SWING DIMENSIONS.

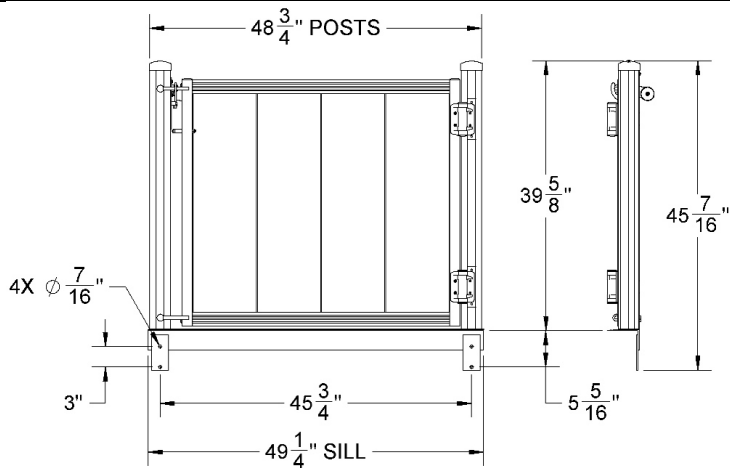


**STRAIGHT PLATFORM W/ VPL PLATFORM GATE
OVERALL DIMENSIONS**
(GATE SHOWN OPEN)

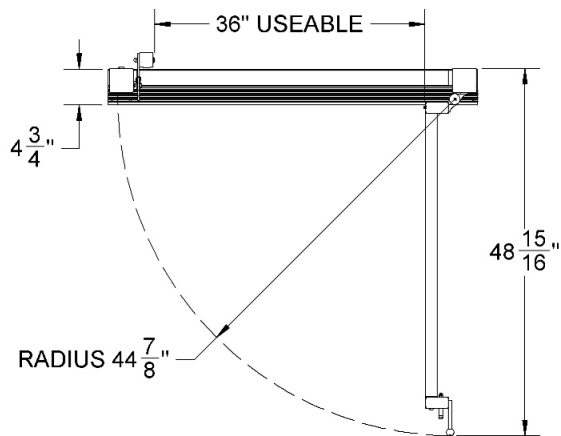


**TURN PLATFORM W/ VPL PLATFORM GATE
OVERALL DIMENSIONS**
(GATE SHOWN OPEN)

TOP LANDING GATE DIMENSIONS



FRONT & SIDE DIMENSIONS
(GATE SHOWN CLOSED)

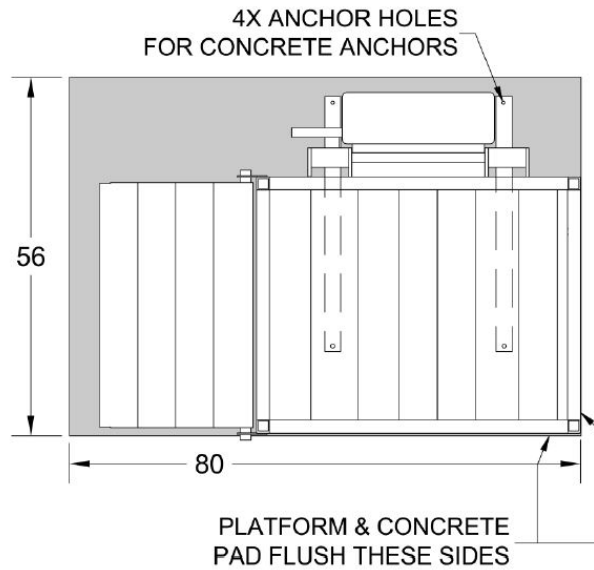


TOP DIMENSIONS
(GATE SHOWN OPEN)

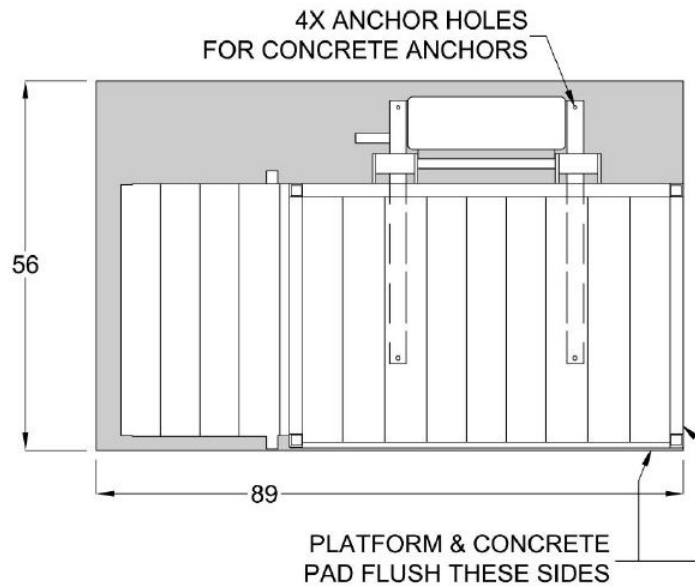
CONCRETE PAD – DIMENSIONAL SPECIFICATIONS

✋ Although concrete pad dimensions for both straight and turn platform configurations are shown below, turn platform dimensions can be used universally for straight or turn.

STRAIGHT PLATFORM CONCRETE PAD DIMENSIONS

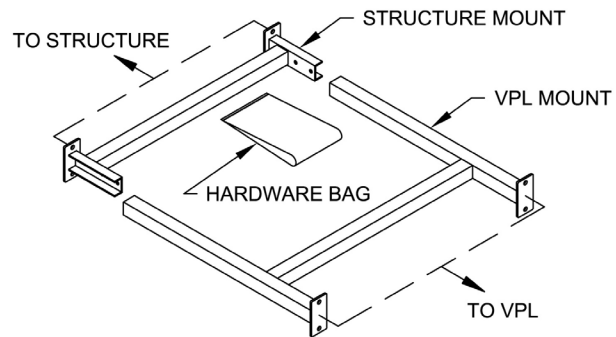


TURN PLATFORM CONCRETE PAD DIMENSIONS

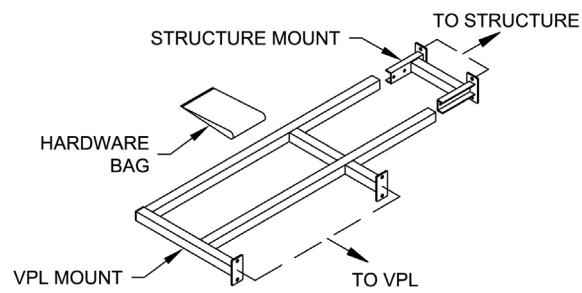


⚠ THE TYPE OF FASTENERS USED ON THE STRUCTURE END OF THE BRACING IS DEPENDENT UPON THE TYPE OF STRUCTURE THE BRACING WILL AFFIX TO. CONSULT YOUR CONTRACTOR TO DETERMINE PROPER FASTENERS TO USE.

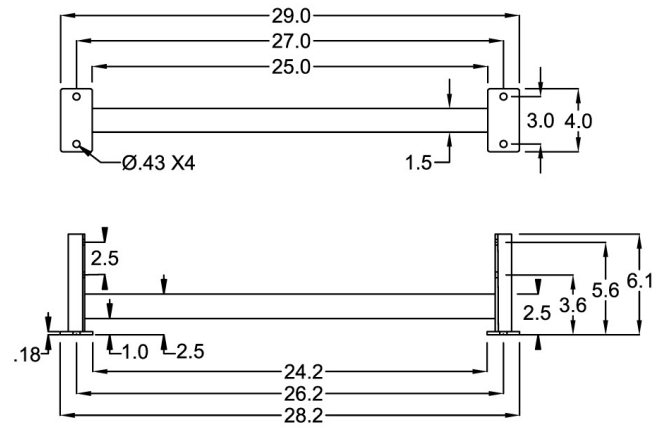
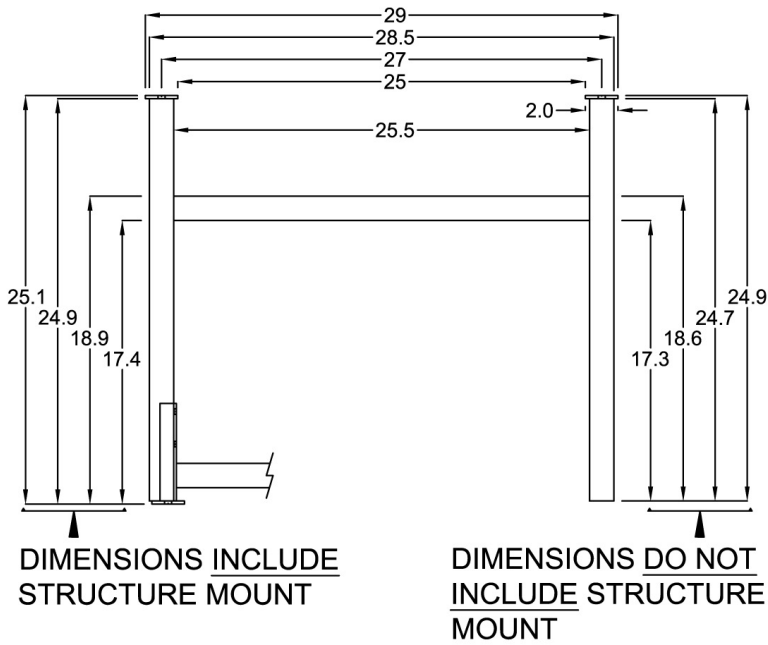
BACK BRACE (SHOWN WITH KIT CONTENTS)



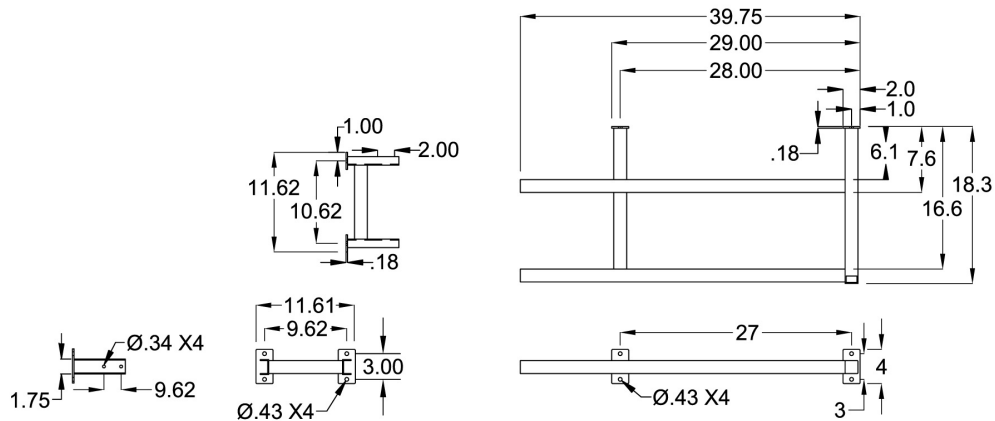
SIDE BRACE (SHOWN WITH KIT CONTENTS)



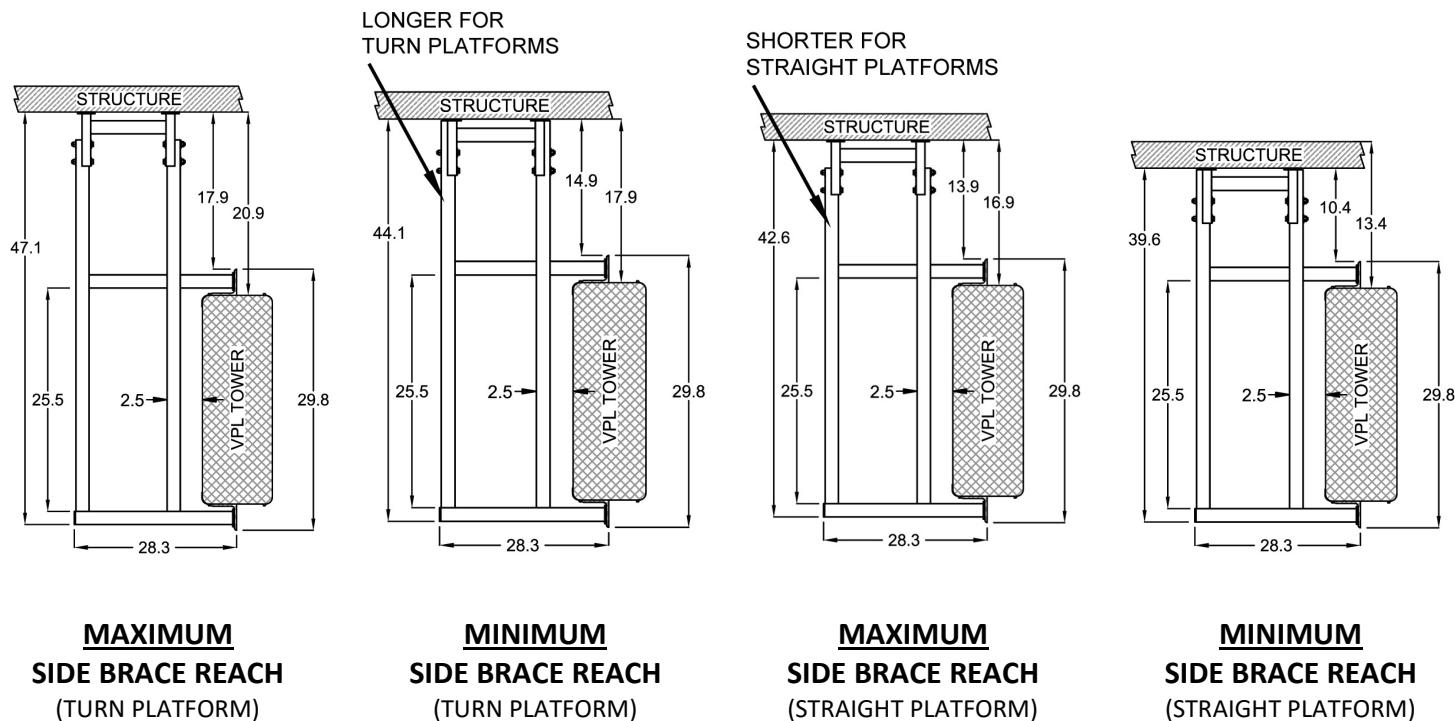
BACK BRACE



SIDE BRACE

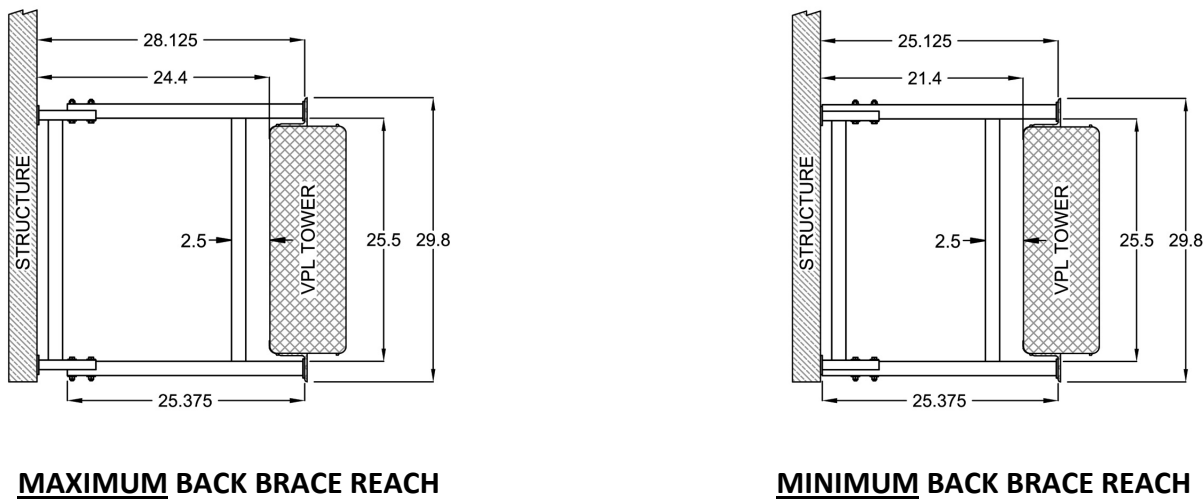


SIDE BRACE



Side Braces are available in 2 styles: One for the Turn Platform and one for the Straight Platform. Referencing the images above, notice the two vertical tubes are longer on the Turn Platform Side Braces and shorter on the Straight Platform Side Braces (this is because the turn platform is physically larger than the straight platform).

BACK BRACE



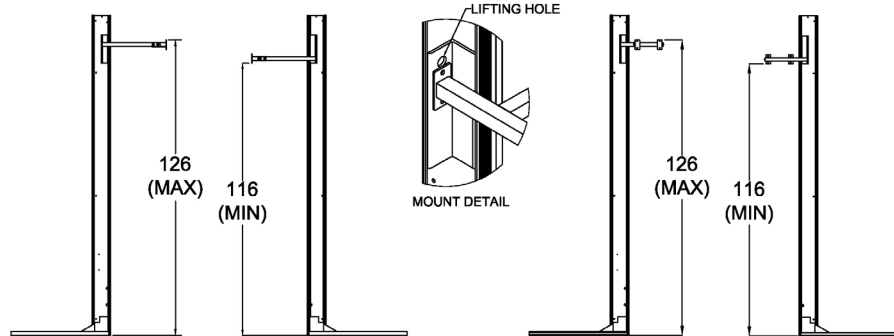
Back Brace dimensions are the same for both Straight and Turn Platforms.

BRACING – ATTACHMENT DIMENSIONAL RANGES

- 120" bracing must attach to an existing structure that is between 116" (min) and 126" (max). FIGs. 120.1 and 120.2.
- 144" bracing must attach to an existing structure that is between 140" (min) and 150" (max) for the Upper Brace, and 90" (min) and 102" (max) for the Lower Brace. FIGs. 144.1 and 144.2.
- 168" bracing must attach to an existing structure that is between 164" (min) and 174" (max) for the Upper Brace, and 90" (min) and 102" (max) for the Lower Brace. FIGs. 168.1 and 168.2.

👉 The reason that the upper brace has a 10" span and the lower has a 12" span is because the upper brace has a hole in it for lifting the VPL (see Mount Detail in the images below).

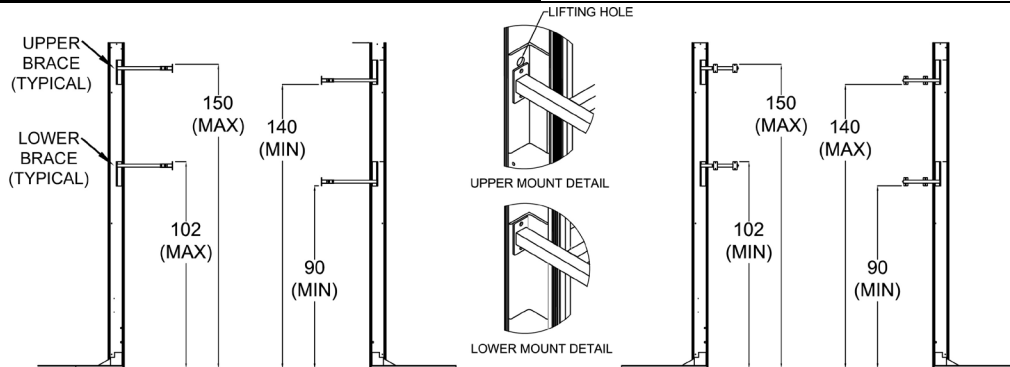
120" PASSPORT Vertical Platform Lift



BACK BRACE – FIG. 120.1

SIDE BRACE – FIG. 120.2

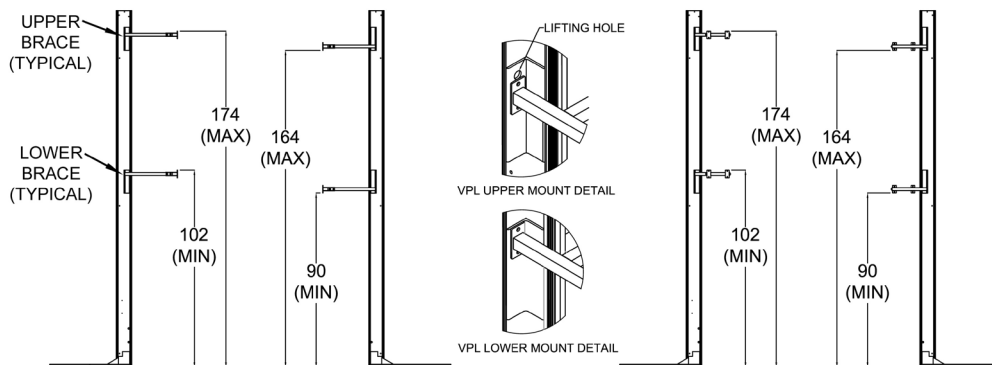
144" PASSPORT Vertical Platform Lift



BACK BRACE – FIG. 144.1

SIDE BRACE – FIG. 144.2

168" PASSPORT Vertical Platform Lift



BACK BRACE – FIG. 168.1

SIDE BRACE – FIG. 168.2