



# 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"

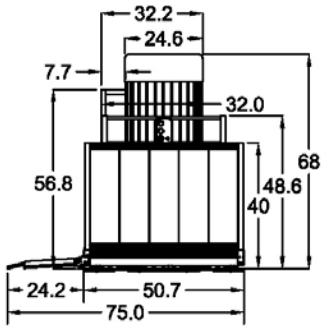
#### PL168TP3860 – 168" (w/ Standard Turn Platform)

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.

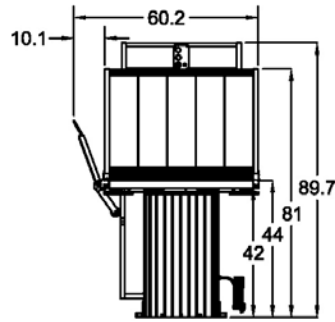
<b>PERFORMANCE STDS (72" &amp; UNDER):</b>	B44.1 / ASME A17.5, ASME 18.1-2017 (Sec 5); CSA Stds B44.1 and B355
<b>PERFORMANCE STDS (73" &amp; OVER):</b>	B44.1 / ASME A17.5, ASME 18.1-2017 (Sec 5)
<b>MAXIMUM RATED LOAD:</b>	750 lbs.
<b>NUMBER OF PASSENGERS:</b>	Two (one occupant with mobility device, plus one caregiver); never exceed <i>Maximum Rated Load</i>
<b>MAIN DRIVE ELECTRICAL:</b>	24 VDC supplied by two 12 VDC-12 Ah sealed lead-acid batteries; 2-amp smart charger
<b>CONTROL CIRCUIT ELECTRICAL:</b>	12 VDC
<b>AC INPUT:</b>	120 VAC, .6 amps
<b>AC POWER CORD LENGTH:</b>	12'
<b>PRIMARY DRIVE:</b>	24 VDC worm drive motor; .58 hp; 28:1 reduction ratio; 96 rpm output speed rating
<b>FINAL DRIVE:</b>	1" diameter Hi-lead® drive screw with bronze nut and bronze safety back-up nut
<b>DRIVE MOTOR CONTROL:</b>	24 VDC reversing relay; 12 VDC control input; 30-amp auto reset circuit breaker
<b>BRAKING:</b>	Worm drive gear motor
<b>STANDARD INTERFACE CONTROLS:</b>	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
<b>EMERGENCY STOP:</b>	Red, sealed, 1.5" diameter mushroom-head, push button
<b>PLATFORM TRAVEL SPEED:</b>	10'/min
<b>NUMBER OF STOPS/LANDINGS:</b>	Two stops (upper and lower landings)
<b>TOWER CONSTRUCTION:</b>	Welded aluminum extrusion
<b>CARRIAGE CONSTRUCTION:</b>	Welded aluminum; 1.9" MDS nylon 6/6 rollers; UHMW polyethylene low friction buffers
<b>PLATFORM CONSTRUCTION:</b>	Welded aluminum, totally enclosed, removable aluminum framed side enclosures with coated steel filler panels
<b>UNDER PLATFORM SAFETY:</b>	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
<b>GUARD RAMP:</b>	Self-actuating; 24"
<b>EMERGENCY LOWERING:</b>	Manual hand-crank lowering capability
<b>LIMIT SWITCHES:</b>	Upper/lower and primary/secondary limit switch triggering locations are adjustable via movable cams
<b>WEIGHT OF TOP LANDING GATE:</b>	50 lbs.
<b>CONCRETE PAD ATTACHMENT:</b>	Anchor-ready 6000 Series Aluminum
<b>MOUNTING SURFACE RECOMMENDED:</b>	A level (F <sub>F</sub> 30-35, F <sub>L</sub> 20-25), ≥ 3,500 psi concrete pad with a 4" minimum thickness
<b>DRIVE SCREW LUBRICATION:</b>	DUPONT™ White Lithium Grease w/TEFLON® Fluoropolymer Aerosol (or equivalent)
<b>WARRANTY:</b>	2-Year Limited (visit <a href="http://www.ezaccess.com">www.ezaccess.com</a> for complete warranty details)

## 44" PASSPORT Vertical Platform Lift



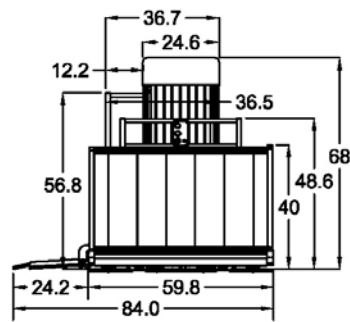
**FIG 44.1**

(STRAIGHT PLATFORM  
SHOWN OPEN)



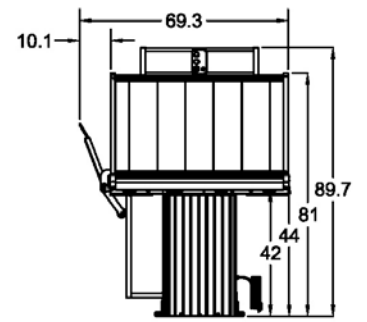
**FIG. 44.2**

(STRAIGHT PLATFORM  
SHOWN CLOSED)



**FIG. 44.3**

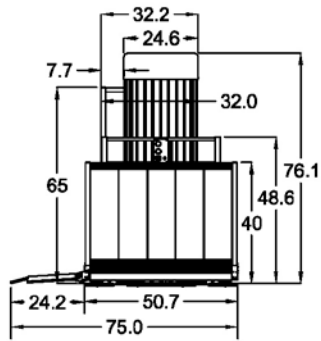
(TURN PLATFORM  
SHOWN OPEN)



**FIG. 44.4**

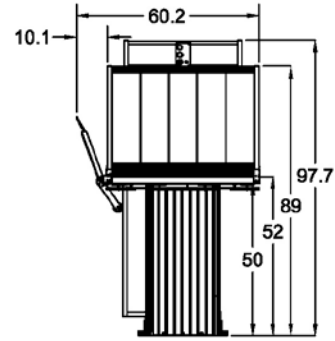
(TURN PLATFORM  
SHOWN CLOSED)

## 52" PASSPORT Vertical Platform Lift



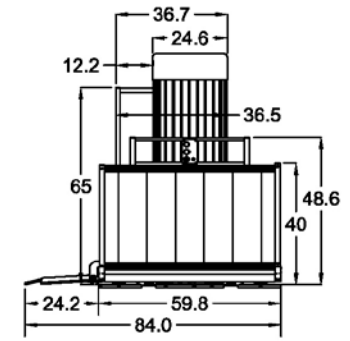
**FIG 52.1**

(STRAIGHT PLATFORM  
SHOWN OPEN)



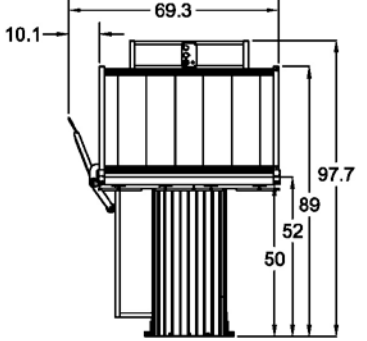
**FIG. 52.2**

(STRAIGHT PLATFORM  
SHOWN CLOSED)



**FIG. 52.3**

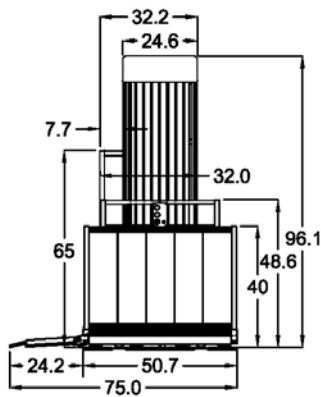
(TURN PLATFORM  
SHOWN OPEN)



**FIG. 52.4**

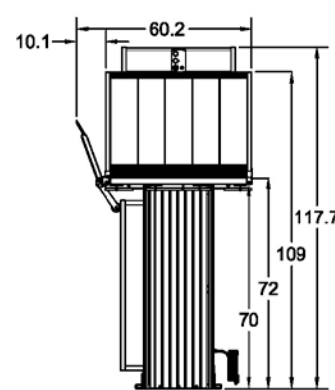
(TURN PLATFORM  
SHOWN CLOSED)

## 72" PASSPORT Vertical Platform Lift



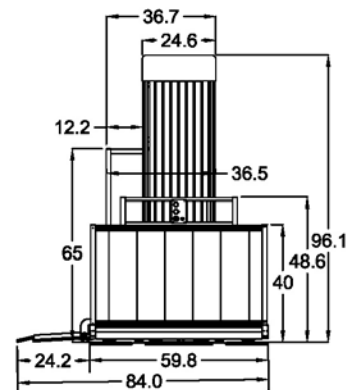
**FIG 72.1**

(STRAIGHT PLATFORM  
SHOWN OPEN)



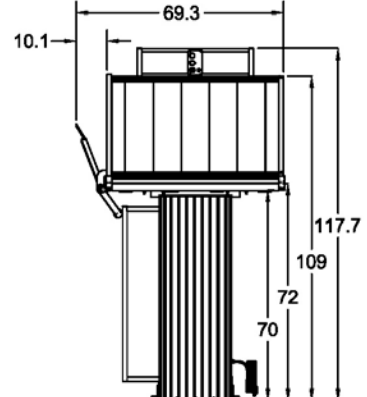
**FIG. 72.2**

(STRAIGHT PLATFORM  
SHOWN CLOSED)



**FIG. 72.3**

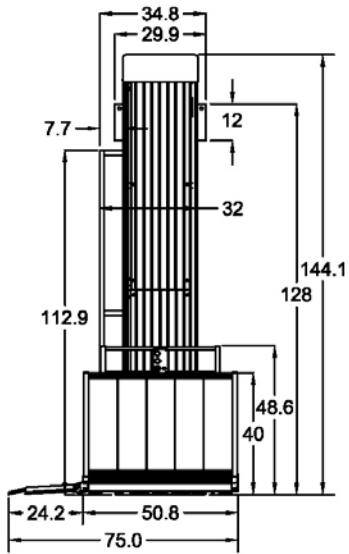
(TURN PLATFORM  
SHOWN OPEN)



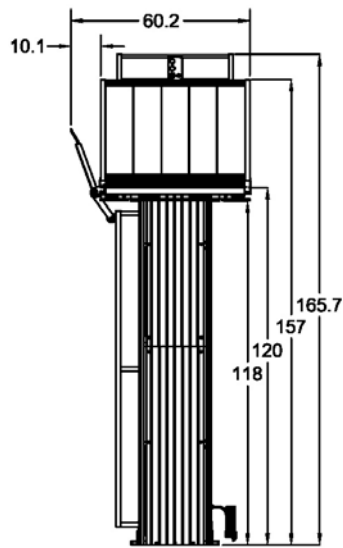
**FIG. 72.4**

(TURN PLATFORM  
SHOWN CLOSED)

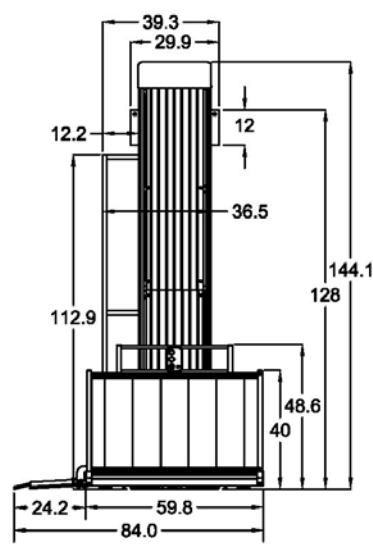
**120" PASSPORT Vertical Platform Lift**



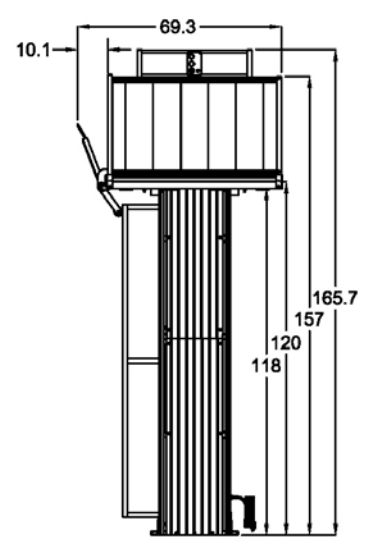
**FIG 120.1**  
(STRAIGHT PLATFORM  
SHOWN OPEN)



**FIG. 120.2**  
(STRAIGHT PLATFORM  
SHOWN CLOSED)

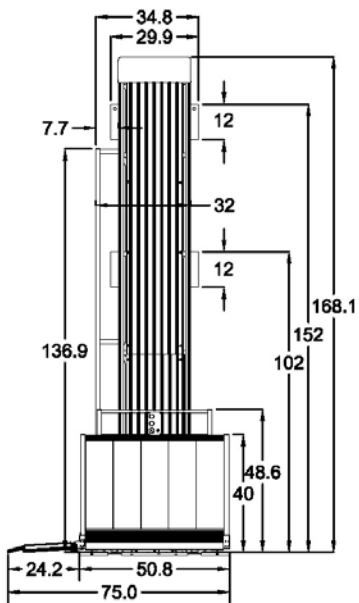


**FIG. 120.3**  
(TURN PLATFORM  
SHOWN OPEN)

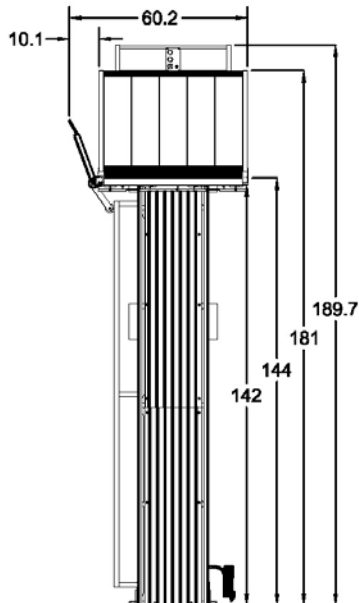


**FIG. 120.4**  
(TURN PLATFORM  
SHOWN CLOSED)

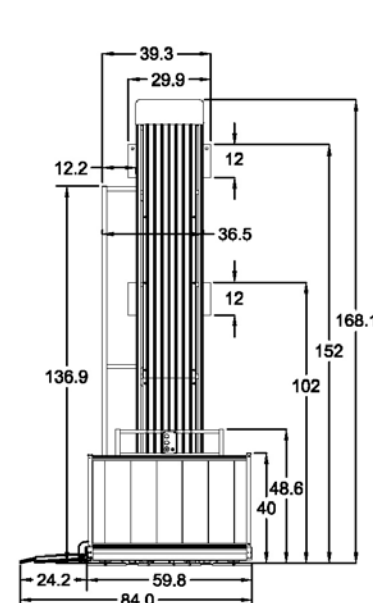
**144" PASSPORT Vertical Platform Lift**



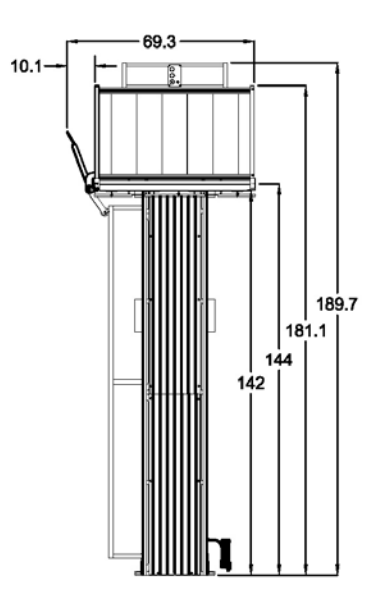
**FIG 144.1**  
(STRAIGHT PLATFORM  
SHOWN OPEN)



**FIG. 144.2**  
(STRAIGHT PLATFORM  
SHOWN CLOSED)

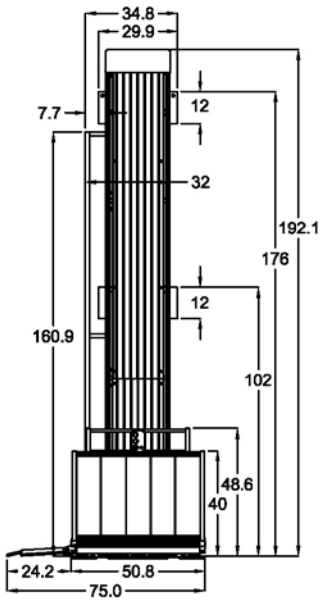


**FIG. 144.3**  
(TURN PLATFORM  
SHOWN OPEN)

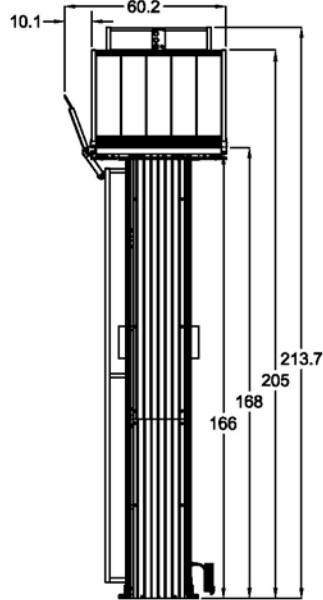


**FIG. 144.4**  
(TURN PLATFORM  
SHOWN CLOSED)

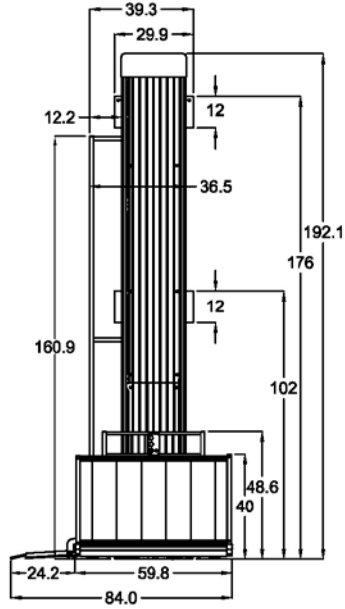
168" PASSPORT Vertical Platform Lift



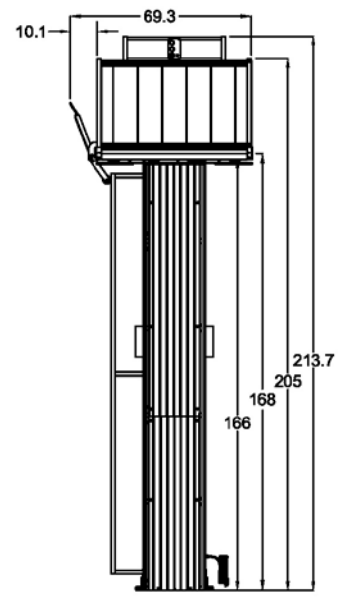
**FIG 168.1**  
(STRAIGHT PLATFORM  
SHOWN OPEN)



**FIG. 168.2**  
(STRAIGHT PLATFORM  
SHOWN CLOSED)

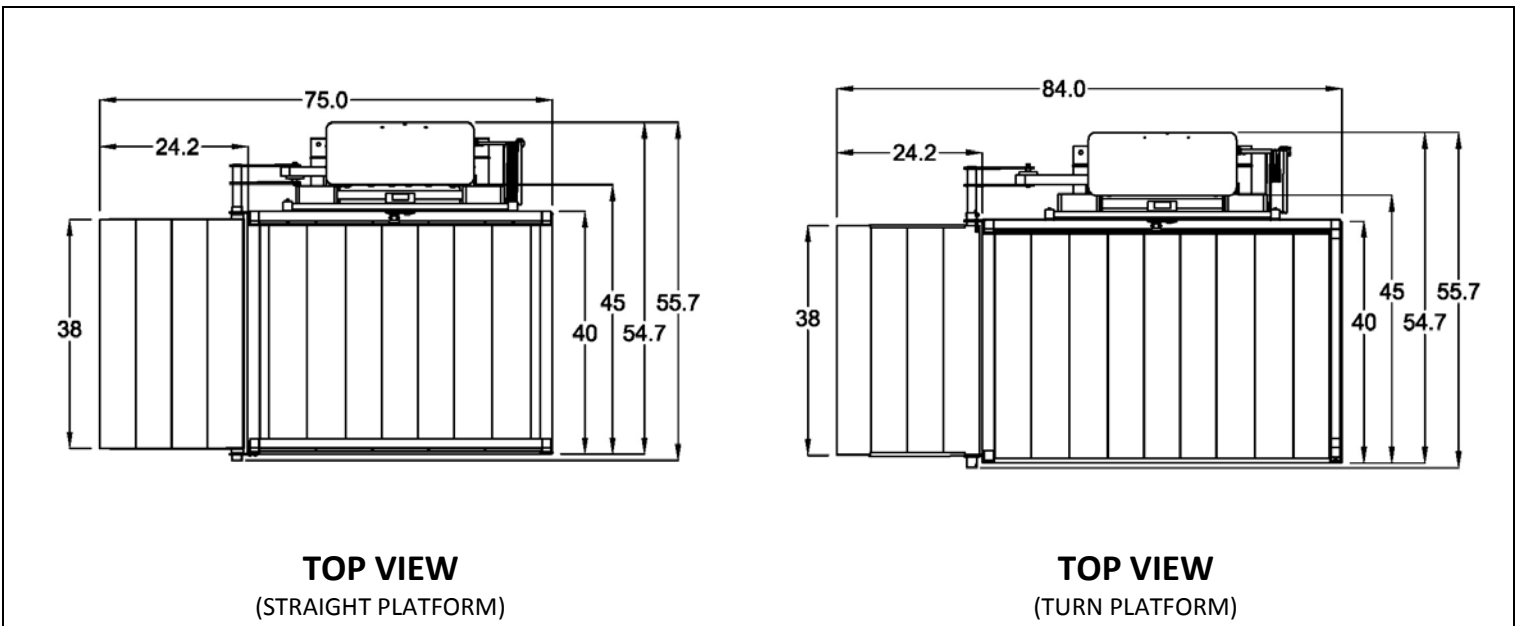
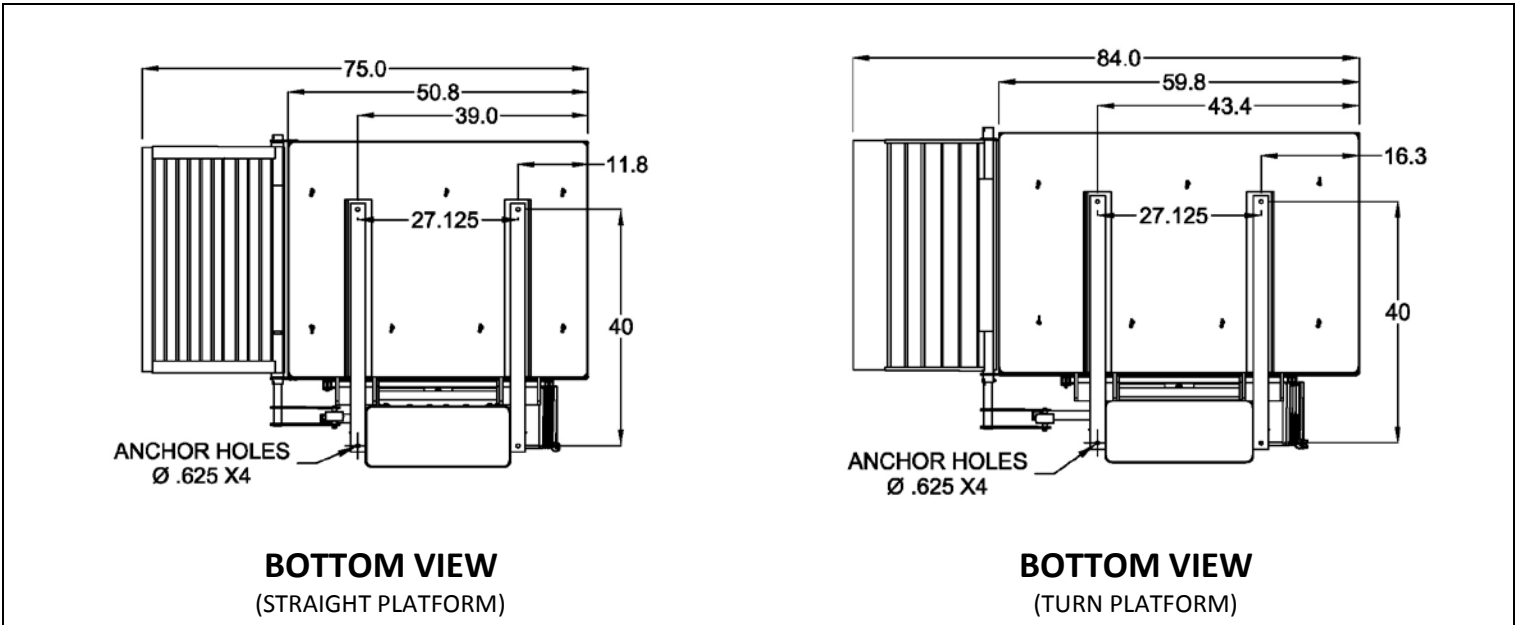


**FIG. 168.3**  
(TURN PLATFORM  
SHOWN OPEN)



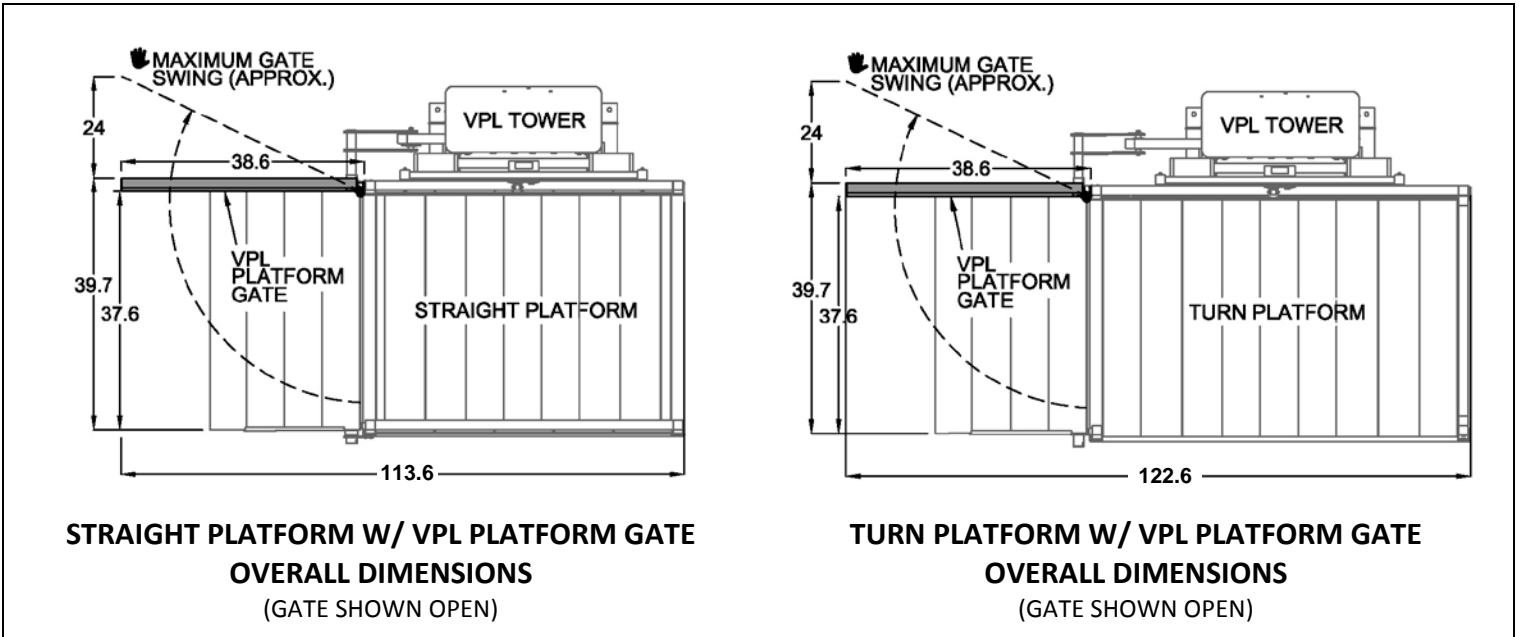
**FIG. 168.4**  
(TURN PLATFORM  
SHOWN CLOSED)

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



# PLATFORM GATE DIMENSIONS

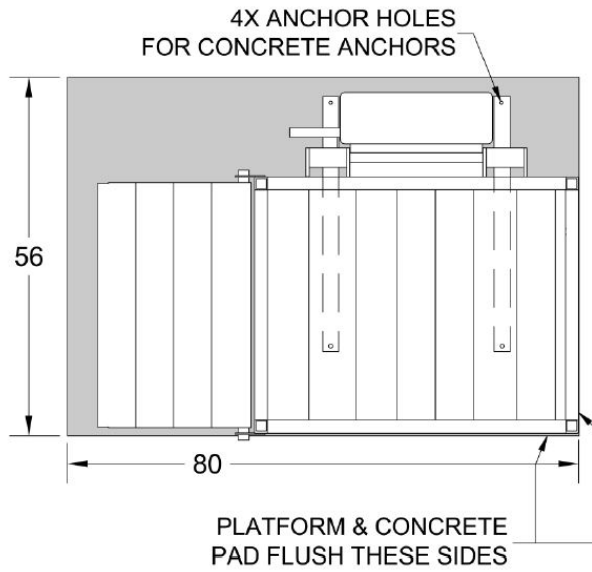
- ⚠ PLATFORM GATE DOES NOT LATCH (GATE HINGES ARE SPRING LOADED).
- ⚠ ENSURE MAXIMUM GATE SWING IS CONSIDERED DURING INSTALLATION AND USAGE EVALUATIONS. GATE SWING SHOWN BELOW IS APPROXIMATE; INSTALLING CONTRACTOR TO FIELD-VERIFY GATE SWING DIMENSIONS.



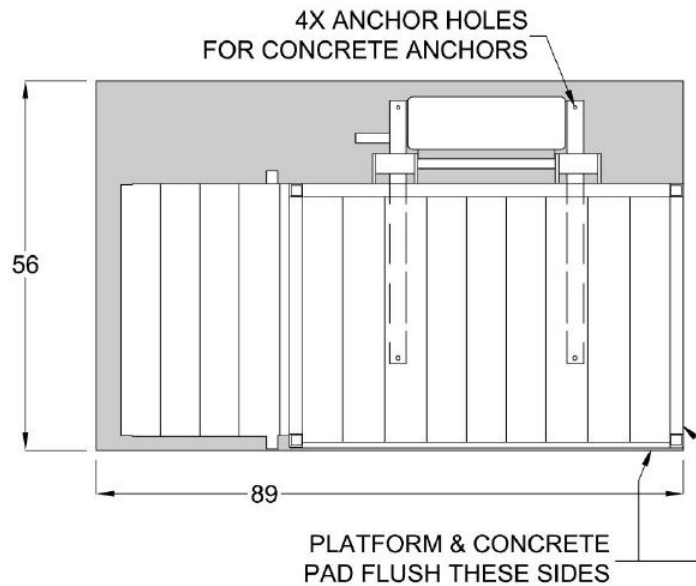
# CONCRETE PAD – DIMENSIONAL SPECIFICATIONS

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



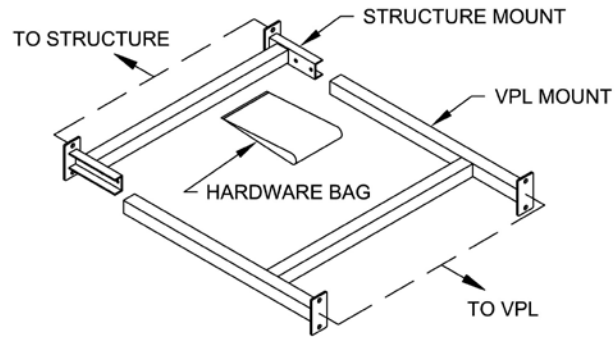
## TURN PLATFORM CONCRETE PAD DIMENSIONS



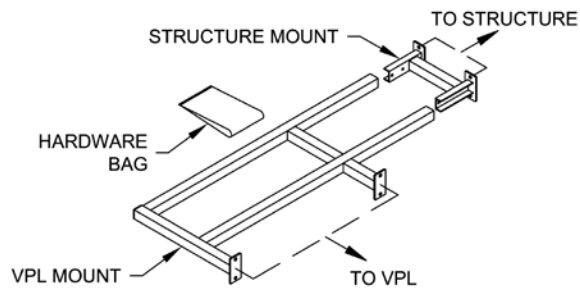


⚠ THE TYPE OF FASTENERS USED ON THE STRUCTURE END OF THE BRACING IS DEPENDENT UPON THE TYPE OF STRUCTURE THE BRACING WILL AFFIX TO. CONSULT YOUR CONTRACTOR TO DETERMINE PROPER FASTENERS TO USE.

## BACK BRACE (SHOWN WITH KIT CONTENTS)

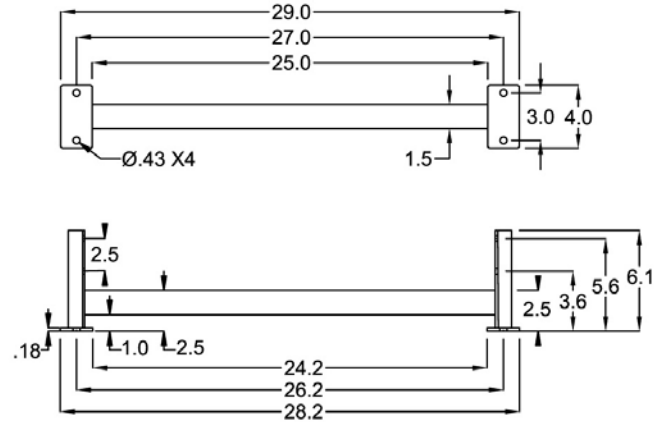
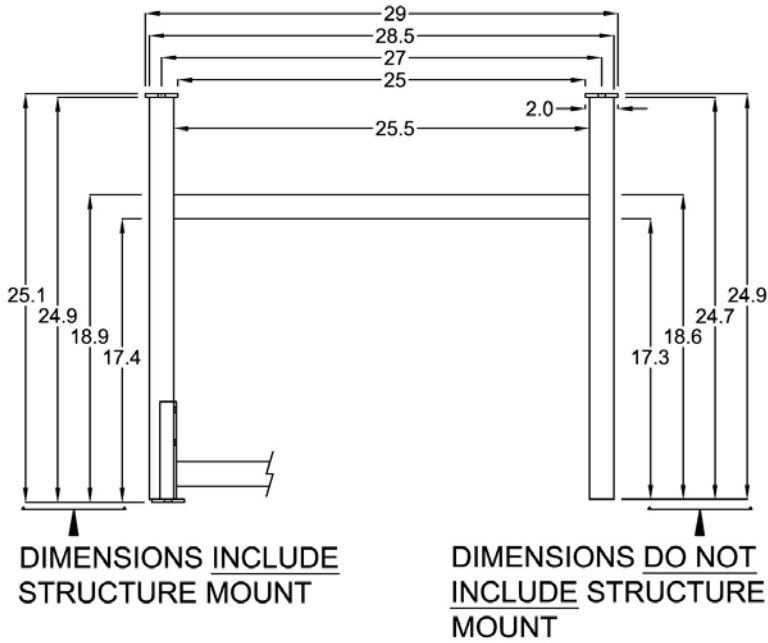


## SIDE BRACE (SHOWN WITH KIT CONTENTS)

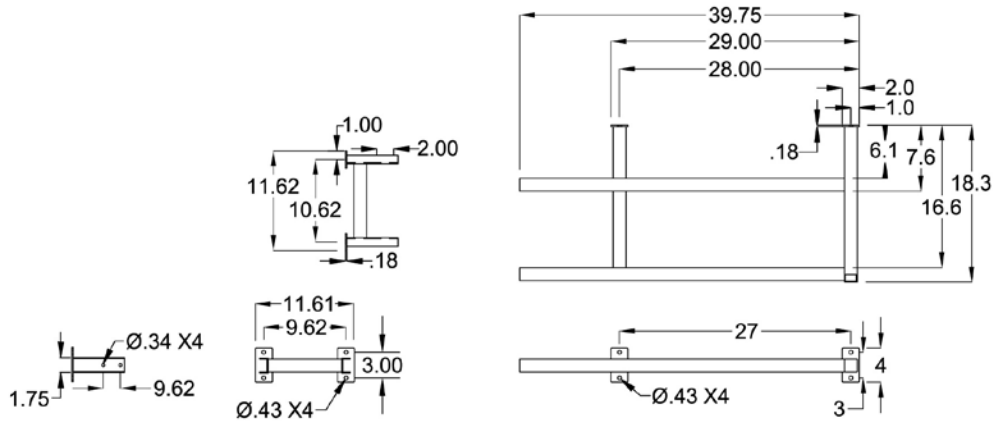


# BRACING – DIMENSIONAL SPECIFICATIONS

## BACK BRACE

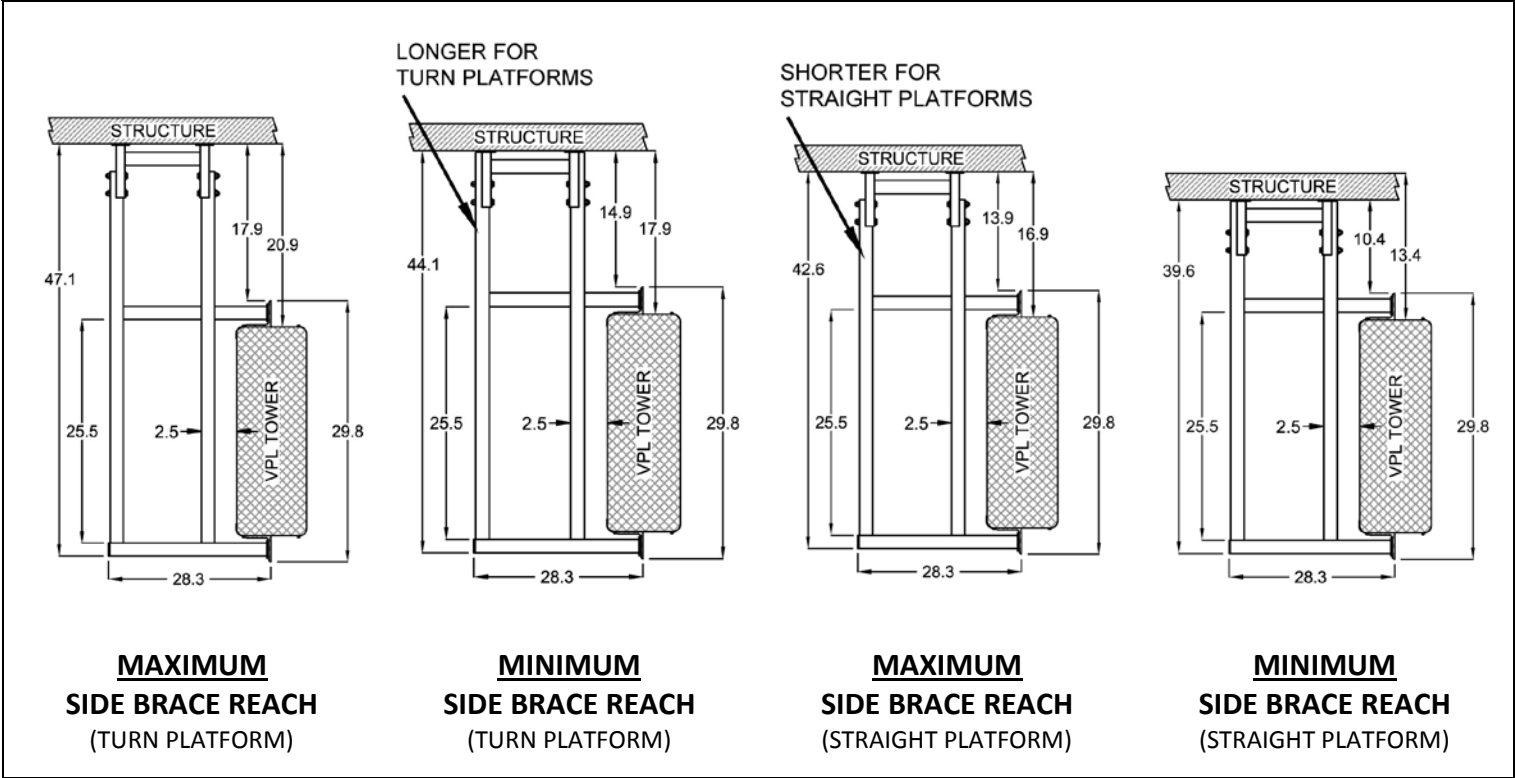


## SIDE BRACE



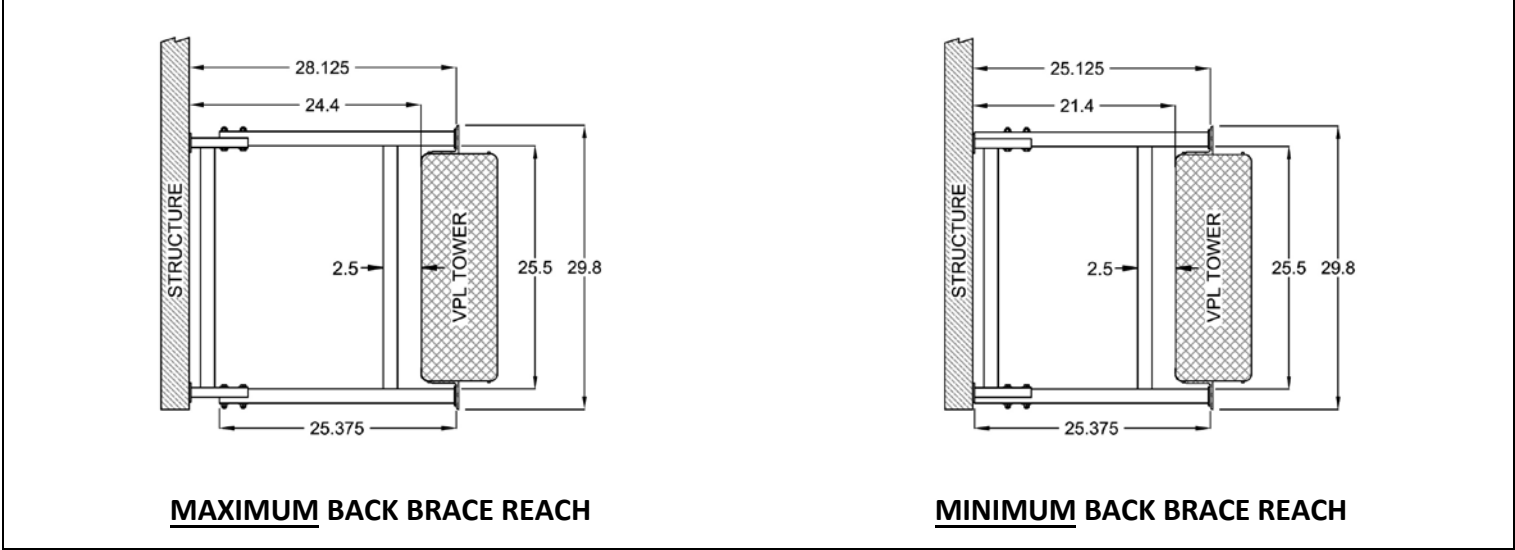
# BRACING – INSTALLED DIMENSIONS

## 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



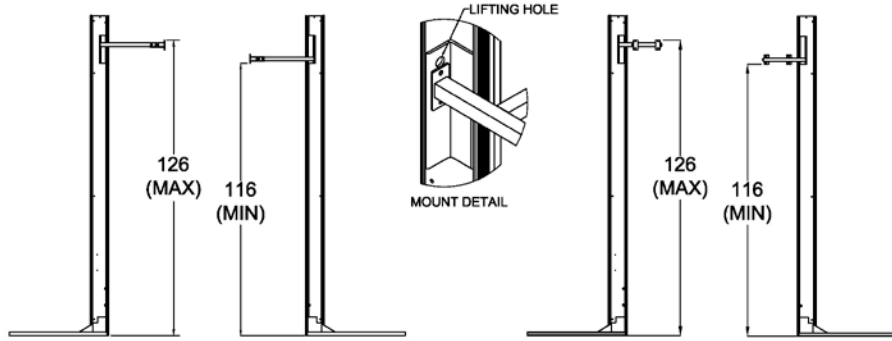
Back Brace dimensions are the same for both Straight and Turn Platforms.

## 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).

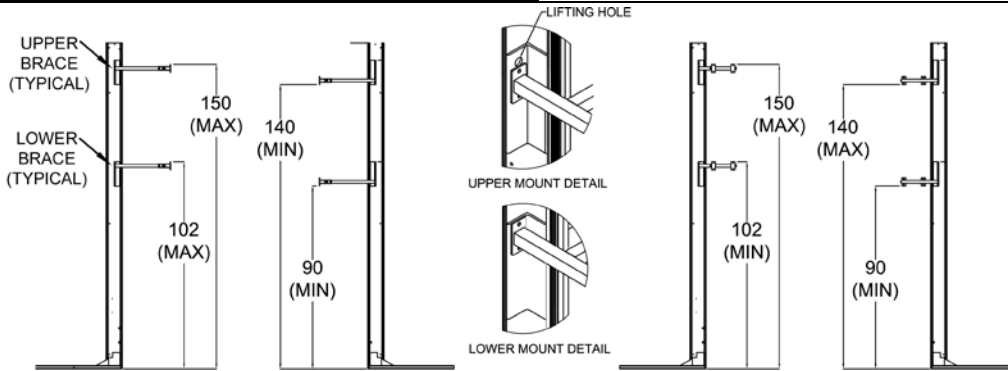
### 120" PASSPORT Vertical Platform Lift



**BACK BRACE – FIG. 120.1**

**SIDE BRACE – FIG. 120.2**

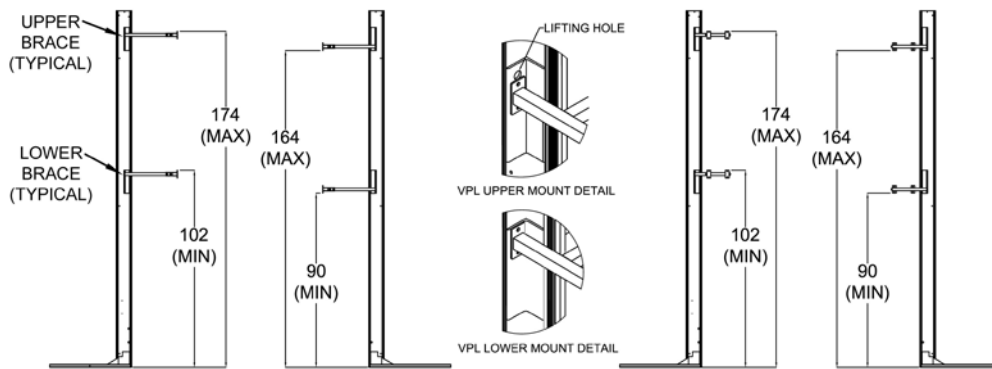
### 144" PASSPORT Vertical Platform Lift



**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**