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PFW 6875
Installation Guide

Installationsanleitung, Guía de Instalacíon, Guida de Installazione,
Guide d'Installation, Installatie gids

Max: 72,5kg/160lbs

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Included Components
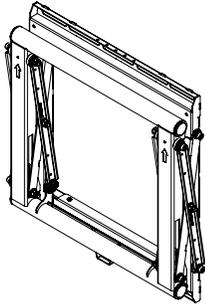
Wall Mount
(Qty 1)
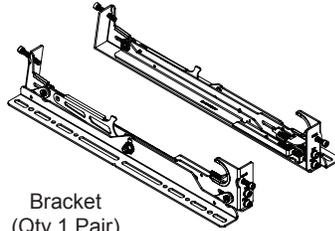
Bracket
(Qty 1 Pair)
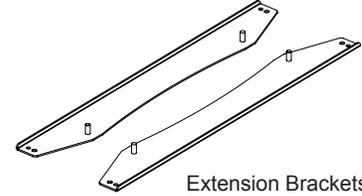
Extension Brackets
(Qty 2)

5/16" Flat Washers
(Qty 4)
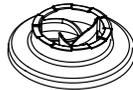
Universal Spacers
(Qty 8)
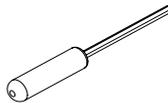
M5 Allen Driver
(Qty 1)
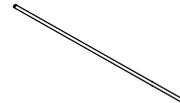
Thread Depth Indicator
(Qty 1)

Universal Washers
(Qty 4)

5/16" x 3" Lag Bolts
(Qty 4)
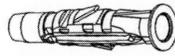
Finned Anchors
(Qty 4)

M8 Washers
(Qty 4)

M8 Nylon Nut
(Qty 4)

M4 x 12mm   (Qty 4)

M4 x 16mm   (Qty 4)

M4 x 25mm   (Qty 4)

M6 x 12mm   (Qty 4)

M6 x 16mm   (Qty 4)

M6 x 25mm   (Qty 4)

M8 x 12mm   (Qty 4)

M8 x 16mm   (Qty 4)
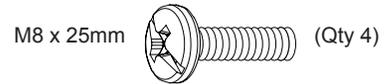
M8 x 25mm   (Qty 4)

Required for installation

Electronic Stud Finder
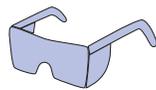
Protective Eyewear

Pencil

M6 or 1/4" Drill Bit

3/8" Masonry Drill Bit
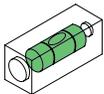
Level

Hammer

13mm or 1/2" Socket

Phillips Head Screwdriver

Socket Wrench

Portable Drill

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Wood Stud Installation

1
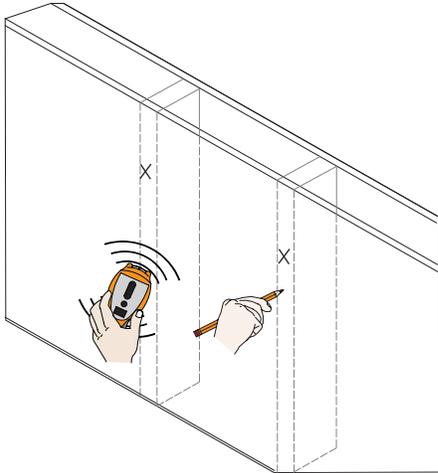
1. Use a stud finder to determine the wall studs in the vicinity of the mount.
2. Use a pencil to mark each of the wall studs.

2
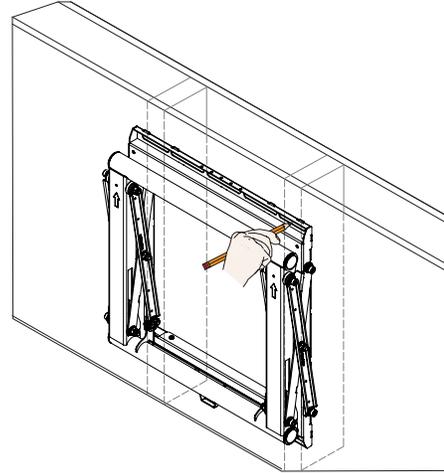
Use a pencil to mark the upper right mounting location of the wall stud.

3
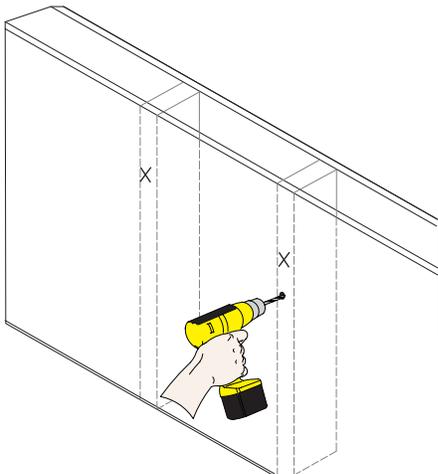
Drill a pilot hole using a M6 or 1/4" drill bit on the stud that was marked on the upper right.

4
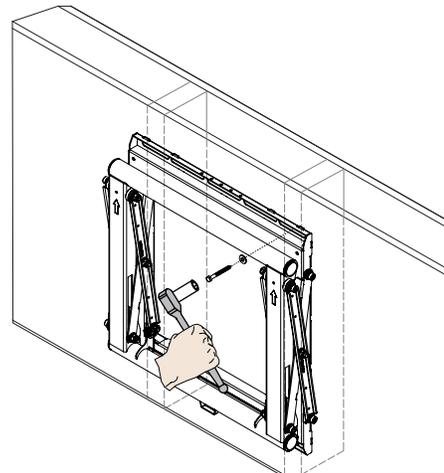
1. Place the mount against the wall and align it with the pilot hole.
2. Insert one (1) 5/16" x 3" lag bolt one (1) 5/16" washer into the upper right pilot hole.
3. Use a socket wrench and a 1/2" socket to tighten the lag bolt.
4. Do not over tighten the lag bolt.

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5
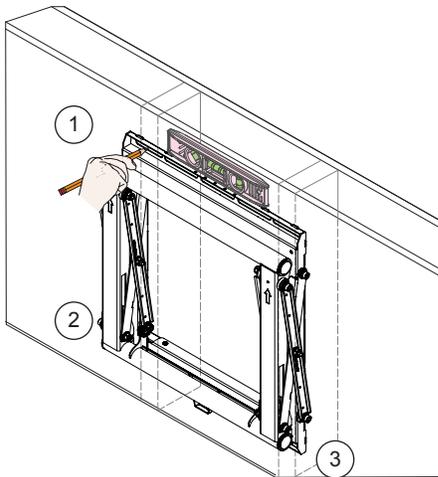
1. Level the mount
2. Use a pencil to mark the remaining three (3) mounting locations

6
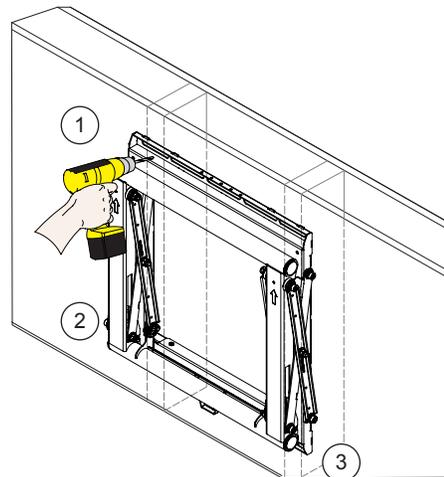
Drill a pilot hole in each of the three (3) marks with a power drill and a M6 or 1/4" drill bit.

7
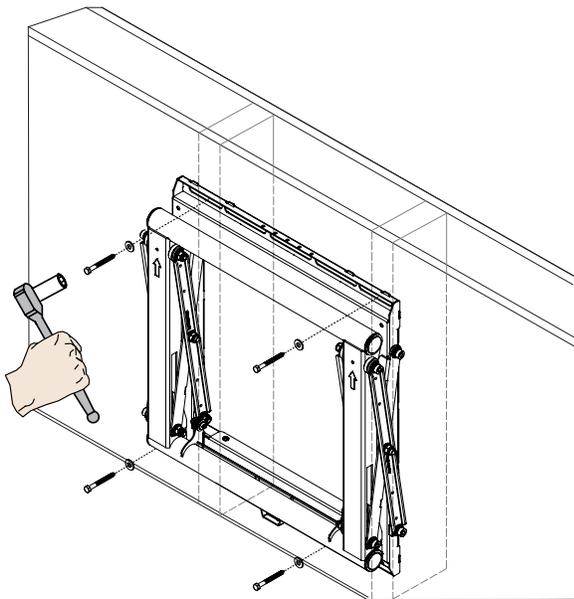
1. Insert one (1) 5/16" x 3" lag bolt and one (1) 5/16" washer into each pilot hole.
2. Tighten all lag bolts using a socket wrench and 1/2" socket.
3. Do not over tighten the lag bolts

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Concrete Wall Installation

8
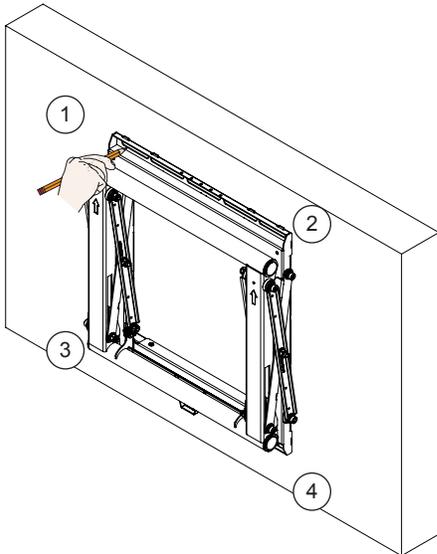
Two people recommended for this step; one person to level the mount and another person to mark the mounting locations.

9
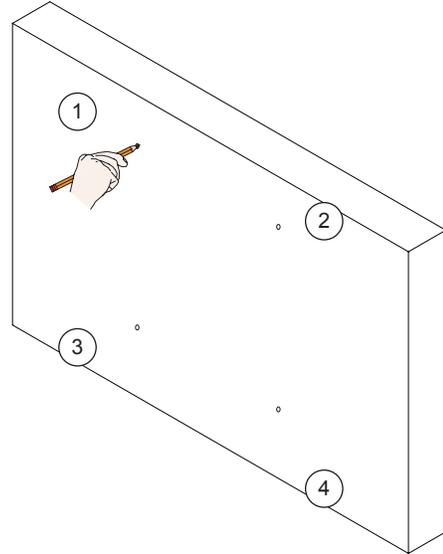
Drill a pilot hole in each of the four (4) mark areas with a 3/8" masonry drill bit.

10
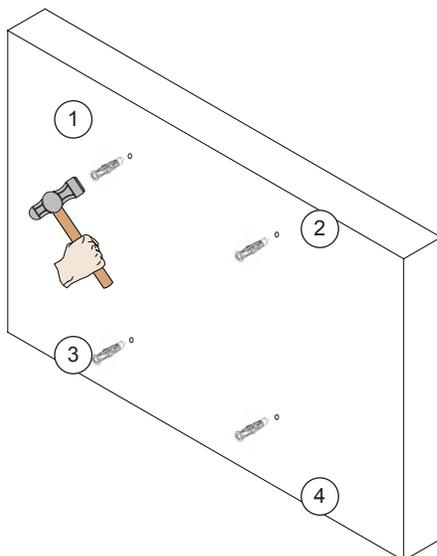
Insert the Finned anchors into each pilot holes. Lightly tap each Finned anchors into place with a hammer.

11
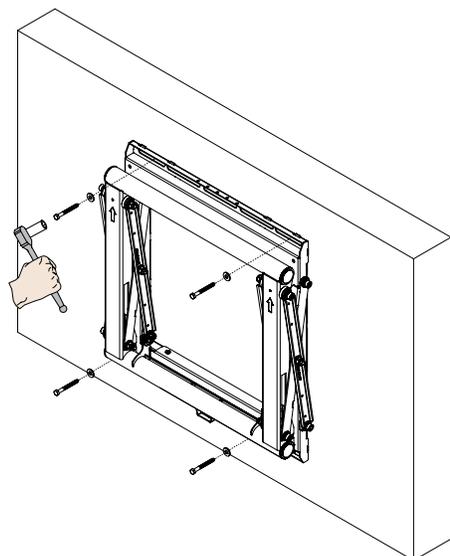
1. Insert one (1) 5/16" x 3" Lag Bolt and one (1) 5/16" washer into each pilot holes.
2. Tighten all lag bolts using a socket wrench and 1/2" socket.

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## Installing OPTIONAL Model Specific Spacers

12
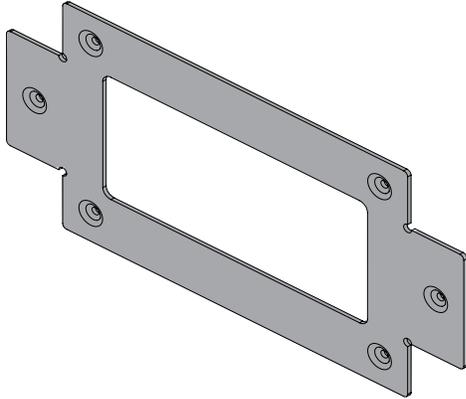
For ease of installation

Model-specific spacers are availible for most flat-panel displays. Engineered with the intent of significantly reducing installation tim on large video wall array. Contact Customer Service to inquire about model specific spacers.

13
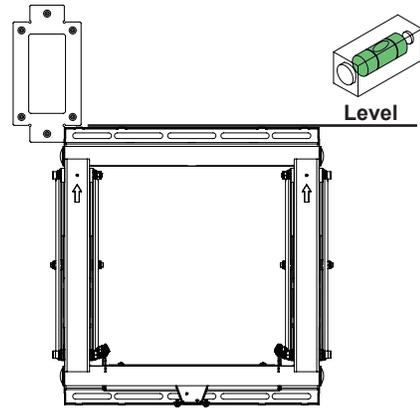
Level

1) Mount the PFW6875 to the desired location.

2) Align and Level the spacer to the corner register tabs of the mount.

Use commercially available hardware to secure the spacer. Utilize the same spacer for multiple PFW6875 installations.

For illustration only. PFW6875 Spacer will vary.

14
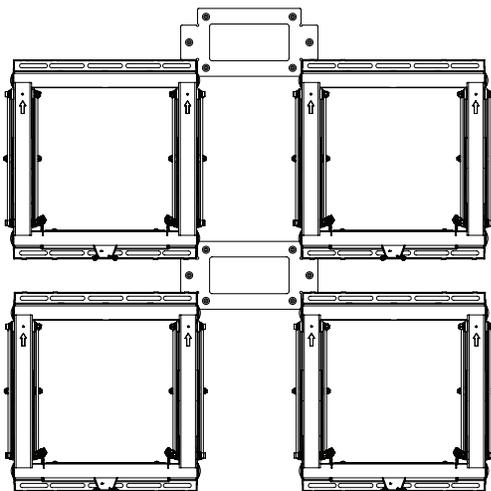
Multiple PFW6875 mounts can be installed using model specific spacers. Simply repeat step one when installing each of the surrounding PFW6875 mounts. Use one spacer for each 2x2 installation by mounting it to the wall, or utilize the same spacer as many times needed to complete an unlimited PFW6875 large matrix video wall.

1. Plumb and level and mark each corner where the PFW6875 will be mounted (or secure to the wall).

2. Install the second mount working in a horizontal direction.

3. Square, Level, and Plumb.

4. Repeat this step for each mount horizontally

Selecting the Mounting Hardware

15

Marking the Depth

Threaded Insert

Small Straw or Toothpick

Marking the 1/8" Allowance

Figure 1
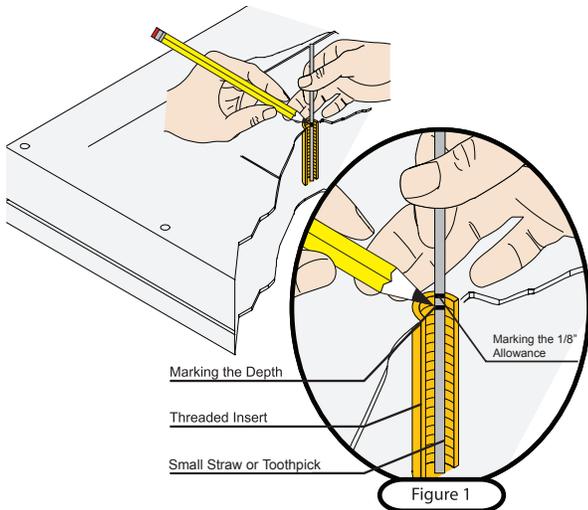
1) Insert a small straw or toothpick into the threaded inserts found on the back of the flat-panel.

2) Use a pencil to mark the depth of the threaded insert on the small straw or toothpick.

3) Mark the straw or toothpick 1/8" above the depth of the threaded insert, as shown in Figure 1.

4) Insert the small straw or toothpick into the remaining threaded inserts to compare and verify their depth using the straw or toothpick's 1/8" allowance mark.

5) Locate the correct diameter screw for the threaded insert.

⚠ If the selected screw is longer than the 1/8" allowance mark on the small straw or toothpick, as shown in Figure 2 and Figure 3, do not use this screw. The screw length must not bypass the mark.

6) Test each size of the screws provided.

The correct screws should thread easily into the mounting point and not pull out when tension is applied.
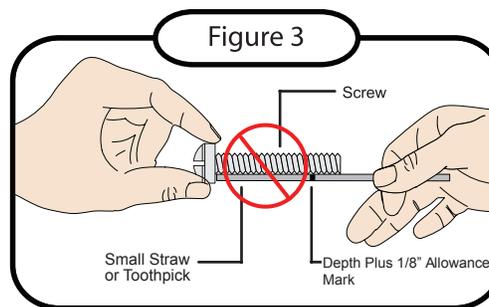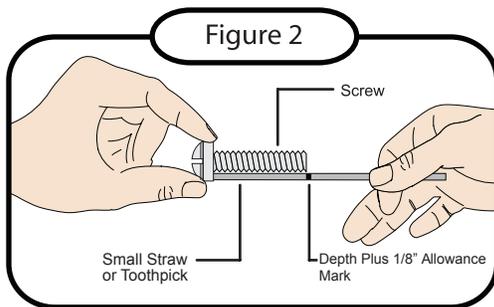
Figure 2

Screw

Small Straw or Toothpick

Depth Plus 1/8" Allowance Mark

Figure 3

Screw

Small Straw or Toothpick

Depth Plus 1/8" Allowance Mark

16

Universal Washer Installation
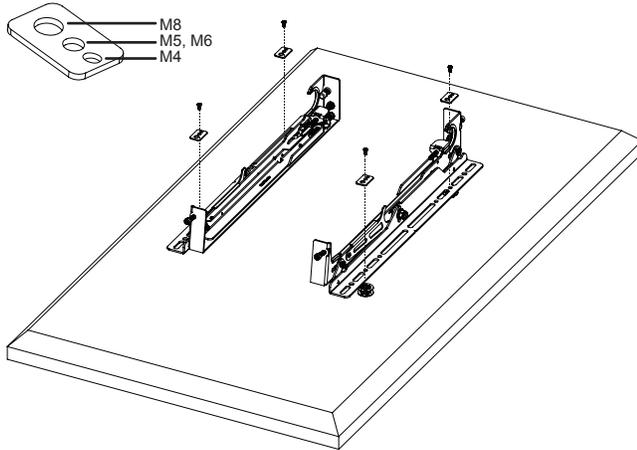
Universal Washers are designed to accommodate the various M4, M5, M6 and M8 hole sizes required by flat-panels.

M8
M5, M6
M4

1) Place the flat-panel screen-side down on a soft, flat surface.

2) Identify the number and location of the thread inserts on the back of the flat-panel.

3) Aligning the holes on each mounting bracket with the thread inserts on the back of your flat-panel.

4) Secure each mounting bracket to the flat-panel by inserting a minimum of two (2) screws per bracket.

⚠ Do not over tighten the mounting hardware.

Make sure the directional arrows on the mounting brackets are facing up.

Symmetrical VISA pattern only. Skip to Step 17 and Step 18 for asymmetrical VISA pattern.

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Securing the Adapters

Optional adapters are available with your PFW6875 mount. Secure the adapters to the PFW6875 brackets with the supplied M8 Washers and M8 Lock Nuts.

M8 Lock Nut
M8 Washer
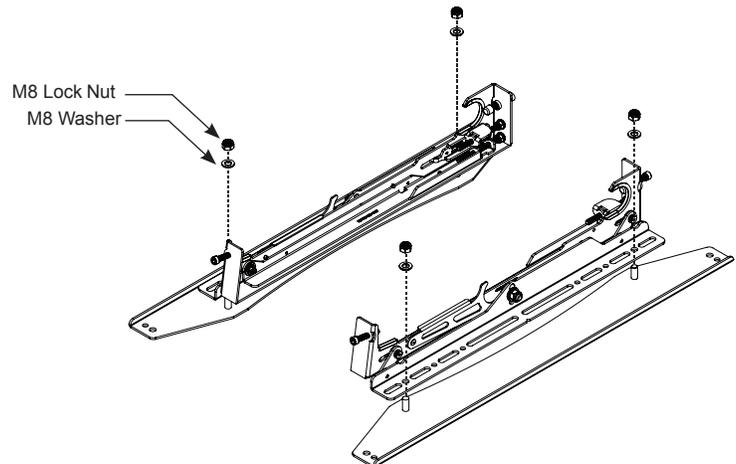
18

Attaching the Flat-Panel to the Mount
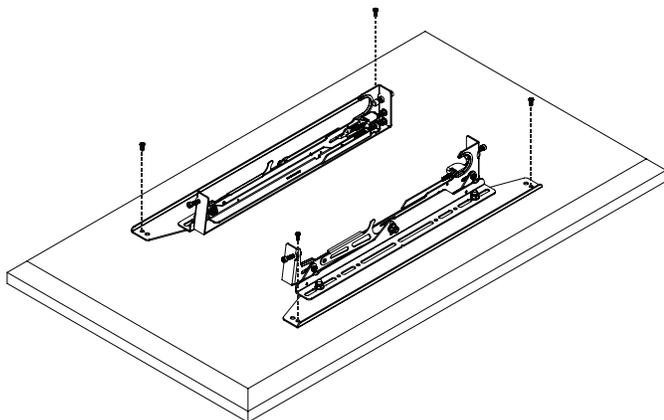
1) Place your flat-panel screen-side down on a soft, flat surface.

2) Identify the number and location of the thread inserts on the back of your flat-panel.

3) Aligning the holes on each mounting bracket with the thread inserts on the back of your flat-panel.

4) Secure each mounting bracket to your flat-panel by inserting a minimum of two (2) screws per bracket.

⚠ Do not overtighten the mounting hardware.

19

Universal Spacer Installation

Mounting Screw
Universal Washer
Mounting Bracket
Flat Panel
Universal Spacer
Mount Point
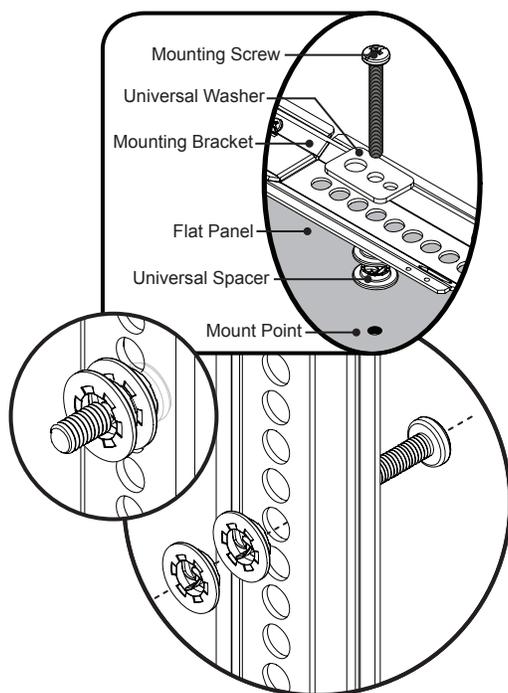
Universal Spacers allow the user to attach the mounting bracket to flat-panels which have recessed or uneven mount points. Each Universal Spacer adds 1/4" to the distance between the mounting bracket and the flat-panel.

⚠ The Universal Spacers must be stacked and oriented as shown.

⚠ The Universal Spacers must only be installed between the mounting bracket and the flat-panel.

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Attaching the Flat-Panel to the Mount

Mounting bracket adjustments are factory pre-set (see **Note**).

⚠️ This section requires two people.

⚠️ Do not release the flat-panel prematurely. The top and bottom hooks of both mounting brackets must be securely seated on the upper and lower mounting rails.

1) Raise the flat-panel past the top and bottom mounting rails on the wall panel.

2) Slide the flat-panel down slowly, keeping it close to the wall.

3) Engage the top and bottom mounting brackets to the rails of the mount.
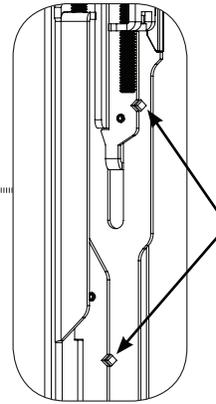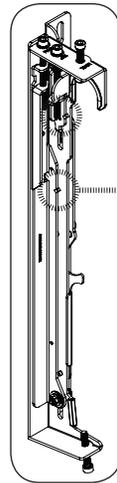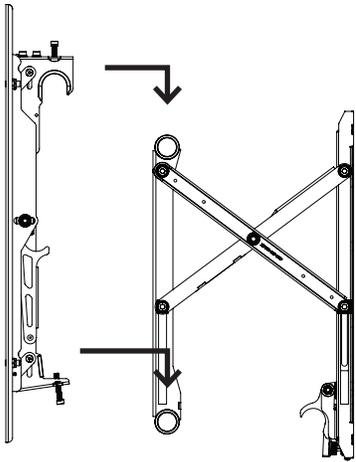
Note: These registers must align prior to installation. They are factory set. Check to determine proper alignment

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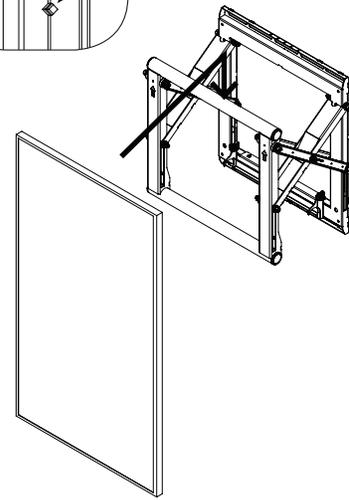
21

Locking Safety Screw Installation
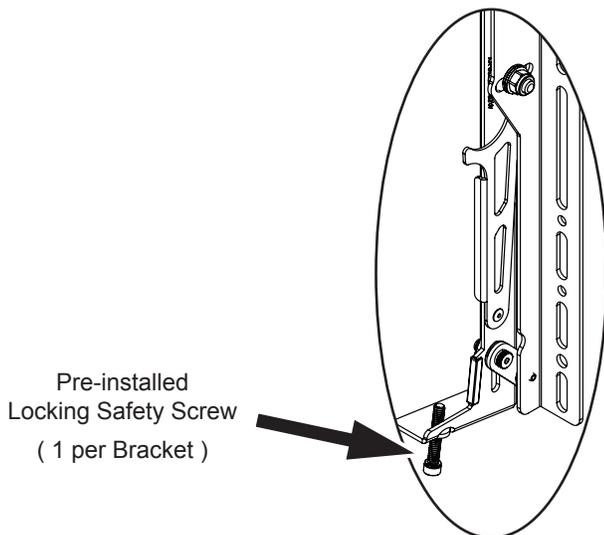
⚠️ The locking safety screws keep the flat-panel from being accidently dislodged from the PFW6875.

1) Locate the pre-installed security locking safety screw at the bottom of each of the mounting brackets.

2) Use the M5 Allen driver (supplied) to tighten the locking safety screw.

Note: Tighten screw to surface, then tighten 1/4" turn

⚠️ Do not overtighten the locking safety screws.

Pre-installed
Locking Safety Screw
(1 per Bracket)

⚠️ **ONLY TIGHTEN AFTER FINAL ADJUSTMENT**

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MOVE INWARD
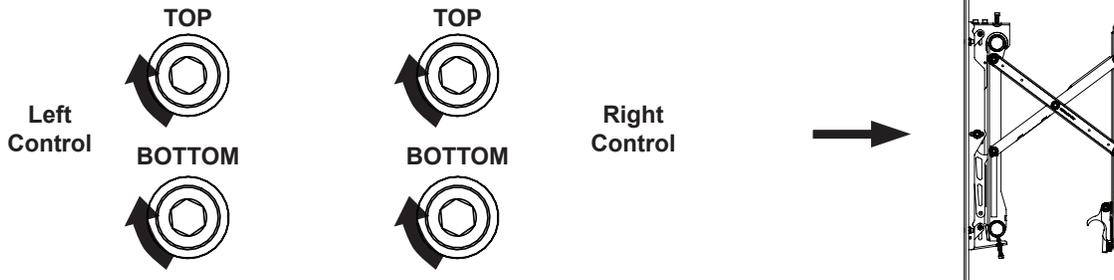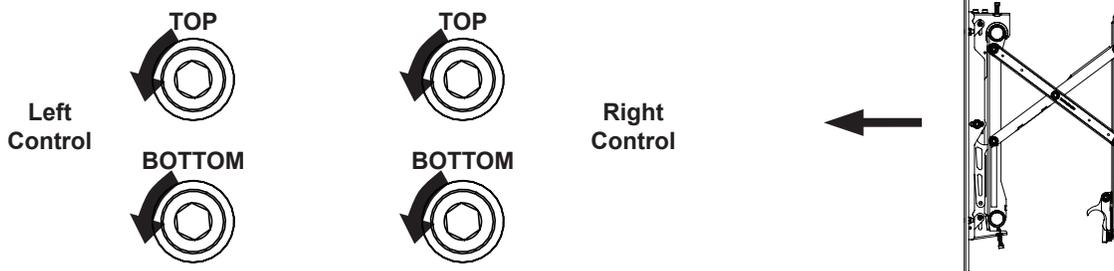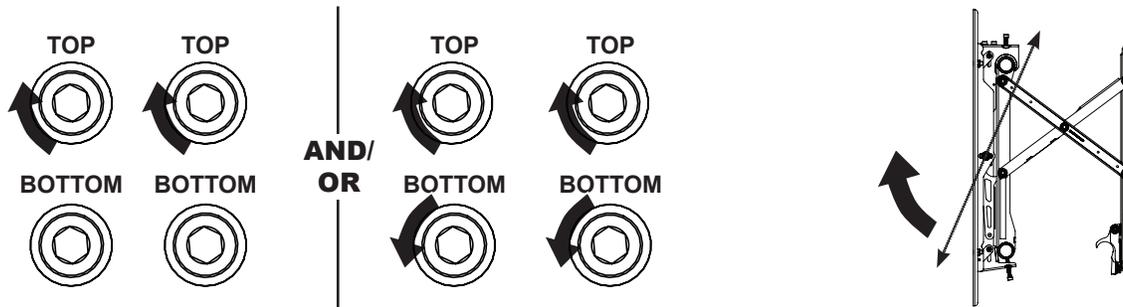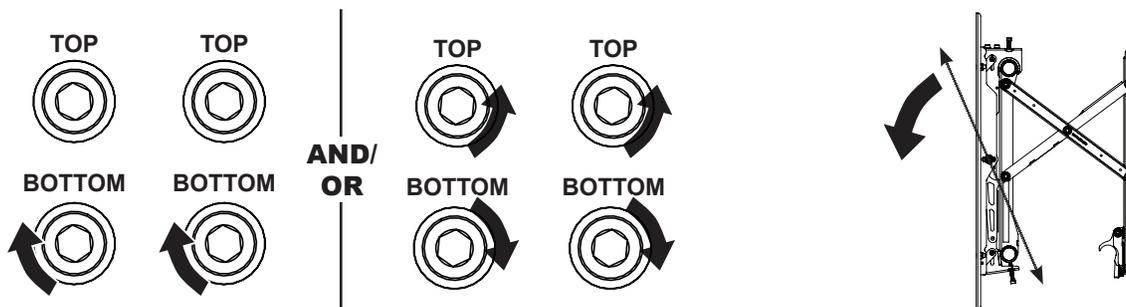
TOP

TOP

Left
Control

BOTTOM

BOTTOM

Right
Control

MOVE OUTWARD

TOP

TOP

Left
Control

BOTTOM

BOTTOM

Right
Control

TILT UP

TOP   TOP

TOP   TOP

BOTTOM   BOTTOM

AND/
OR

BOTTOM   BOTTOM

TILT DOWN

TOP   TOP

TOP   TOP

BOTTOM   BOTTOM

AND/
OR

BOTTOM   BOTTOM

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LEVEL UP

Left Control	Right Control
LEVEL	LEVEL
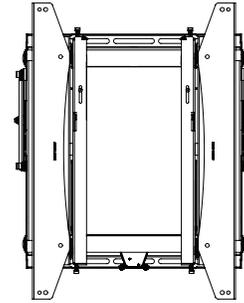
LEVEL DOWN

Left Control	Right Control
LEVEL	LEVEL
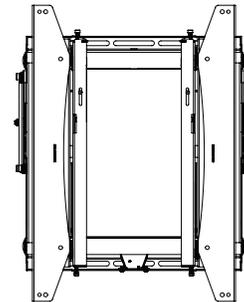
ROTATE LEFT

Left Control	Right Control
LEVEL	LEVEL
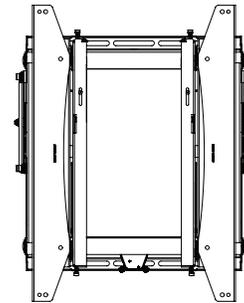
ROTATE RIGHT

Left Control	Right Control
LEVEL	LEVEL
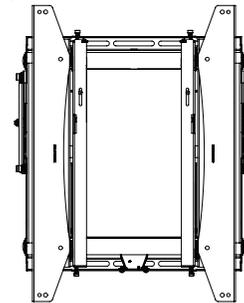
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Use the **GAPit GO/No Go Gauge (supplied with model specific spacer)** as a final step in the process to inspect and adjust the gap to **prevent costly replacement** and **extend the lifespan of the displays.**

⚠️ Damage happens when weight is transferred to the ultra-thin bezels of video wall installations, if the recommended gap specifications of .050" is not maintained vertically and horizontally.

This results in image distortion, and costly repairs and replacement
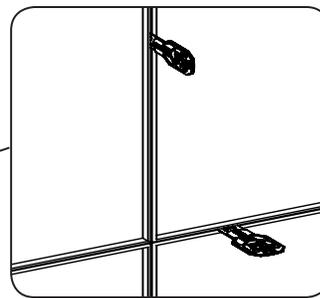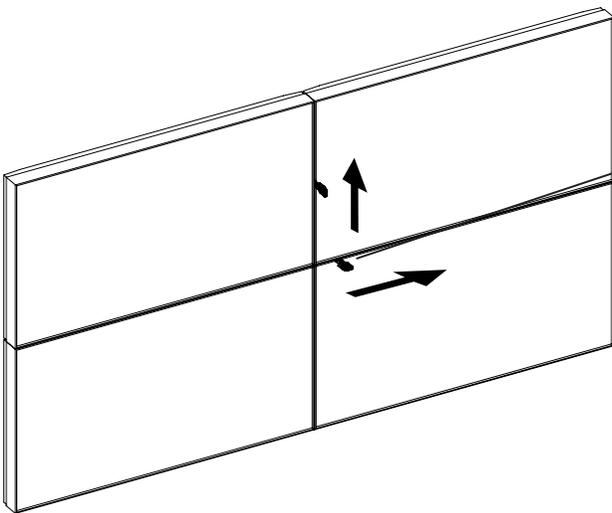
1. Swipe GAPit along vertical gap
2. Inspect for .050" gap & adjust if needed
3. Swipe GAPit along horizontal gap
4. Inspect for .050" gap & adjust if needed
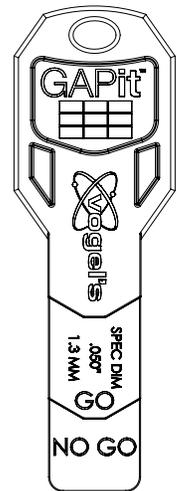
23   <u>Servicing</u>

1. Push evenly in the front of the PFW6875 to release the single latch spring lock (Figure 1).
2. Slowly pull the front of the PFW6875 to extend the scissor arms (Figure 2).
3. Loosen the locking safety screws on both mounting brackets.
4. Tilt up the bottom of the flat-panel, then set their kickstands against the bottom tubing of the mount (Figures 2 & 3).
5. Perform any neccessary repairs. Close the latch after servicing.
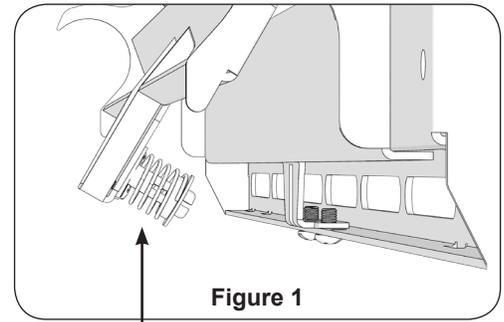
Figure 1

Single Latch Spring Lock

Figure 2

Figure 3