

HoverTrack® Series

VWD-2X2-V601

2 wide x 2 deep Video Wall Display Installation Guide

This display kit mounts the Sharp PN-V601 LCD monitors in a 2 wide by 2 deep landscape configuration. The frame attaches to a wall and receives the LCD monitors by way of four machined fittings (per monitor) that thread into the monitor's VESA holes. These fittings then insert into the frame's channels. The monitor's fittings secure to the frame with locking arms that provide an easy way to remove the monitors for service. A removable panel provides access for media players behind the frame.

Important: Installing video displays is a serious endeavor that requires experienced professionals. **Improperly prepared walls and other structures as well as the equipment being installed can result in property damage, injury and/or liability to the installing contractor.** Do not proceed if any part of the installation is in doubt.

Caution: Due to the wide variety of structures, environments, materials and installation methods, the installing contractor must exercise good judgment in selecting the proper mounting area. The mounting structure must be capable of supporting at least 5 times the load of the installed equipment. Consult local building codes for further guidance.

Follow these instructions for the most efficient and safest mounting results.

Package Contents:

- 1 pc 2x2 Frame w/ locking arms bracket
- 1 pc Adjustment wrench
- 16 pcs M6 Adjustable VESA buttons
- 9 pcs Wood Screw hanger (Adjustable lag bolts)
- 9 pcs Flat washer, 5/16
- 9 pcs Hex nuts, 5/16-18
- 1 pc Instruction sheet

Notes:

Hardware to mount frame to the wall are included

Recommended:

Install at least 3/4" thick plywood to achieve flatness of the wall for installation and to provide an adequate support for the video display.

Note:

The assembled 2x2 frame weighs approximately 85 lb/38.6 Kg and requires at least two installers during lifting.



2 Wide x 2 Deep Video Wall Display



2 Wide x 2 Deep Video Wall Display (Rear View)

Step 1: Mount Frame to Wall

Scribe a horizontal line on the wall showing the exact location of the top edge of the upper left LCD monitor will be. Measure down **6.74" (171.2mm)** from that line and scribe another horizontal line showing where the first location of the adjustable lag bolts for the mounting frame will be. This is for the top left slot (**Figure 1**).

Scribe a vertical line showing where the left side of the upper LCD monitor will be. Measure to the right and scribe another vertical line **16.72" (374mm)** to locate the location of the first adjustable lag bolts for the mounting frame will be. This is for the top left slot (**Figure 1**).

Mark where the horizontal line and vertical line meets. Measure **71.84" (1,825mm)** to the right for the next location of the adjustable lag bolt. Use a level then mark the second location, use a level to make sure it is horizontally level to the first hole on the left side. Pre-drill the marked locations using a **3/16" (5mm)** drill (**Figure 1**).

Install the adjustable lag bolts to the pre-drilled holes then hang the frame onto the two adjustable lag bolts. Install the flat washer and hex nut to secure frame to wall. Hand tighten hex nut only (**Figure 2**).

Step 2:

Mark the locations for the other adjustable lag bolts, one upper center slot, three bottom slots and three center middle holes (**Figure 3**).

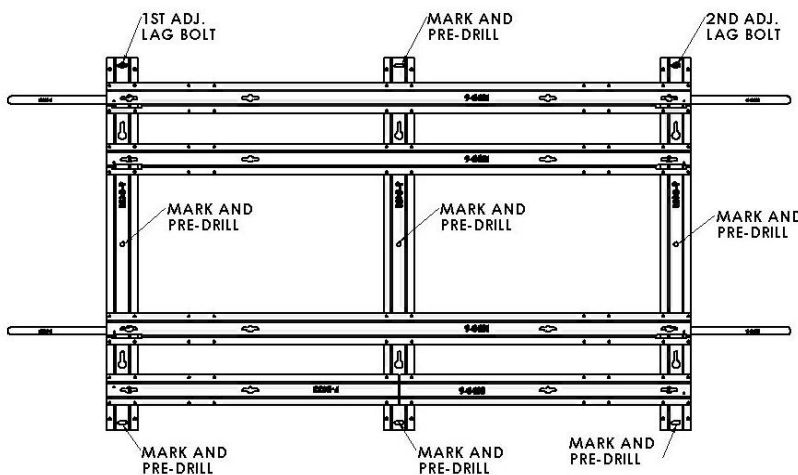


Figure 3

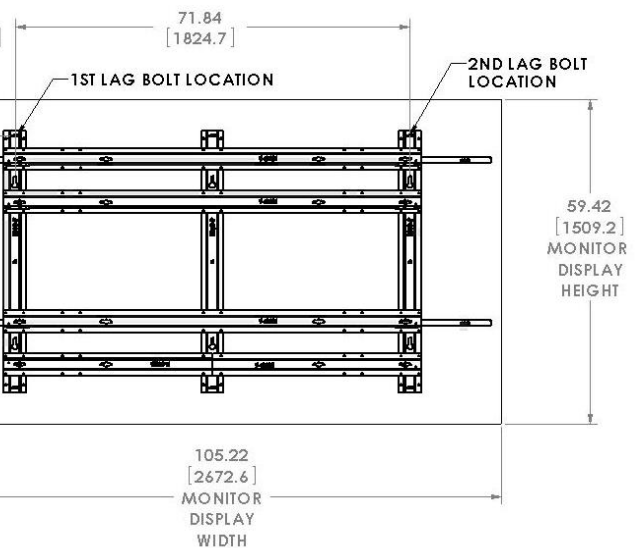


Figure 1

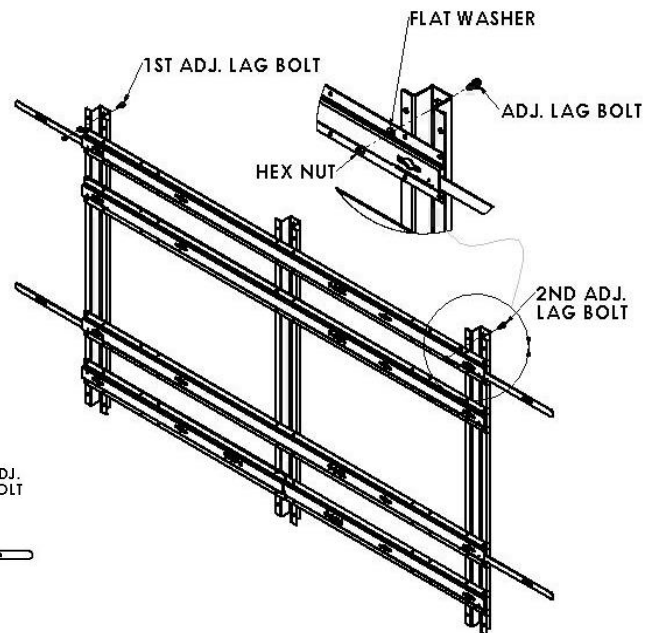


Figure 2

Step 3:

Remove the two nuts and washer securing the frame to the wall and place the frame back on the floor. Pre-drill all the marked locations using **3/16" (5mm)** drill bit then install the adjustable lag bolts (**Figure 3 and 4**).

Step 4:

Replace the frame on the wall then secure using the provided adjustable lag bolts, hex nut and flat washer. Hand tighten only (**Figure 4**).

Step 5:

Using a 4 or 5 feet long level, plum the frame by adjusting the adjustable lag bolts on the vertical channels counter clockwise to pull the frame forward. Use the provided adjustment wrench to rotate the adjustable lag bolts. Use the level or a straight edge to make the H-slat horizontally straight by adjusting the adjustable lag bolt closest to the H-slats (**Figure 5**).

Step 6:

Once the frame is plumbed and level, tighten the hex nuts permanently.

Step 7: OPTIONAL- (Media player not included)

Attach the media player brackets to the sides of the media player using the existing side screws (**Figure 6**).

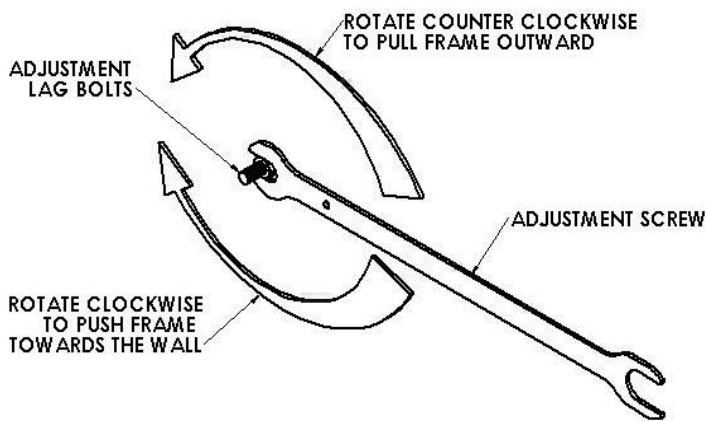


Figure 5

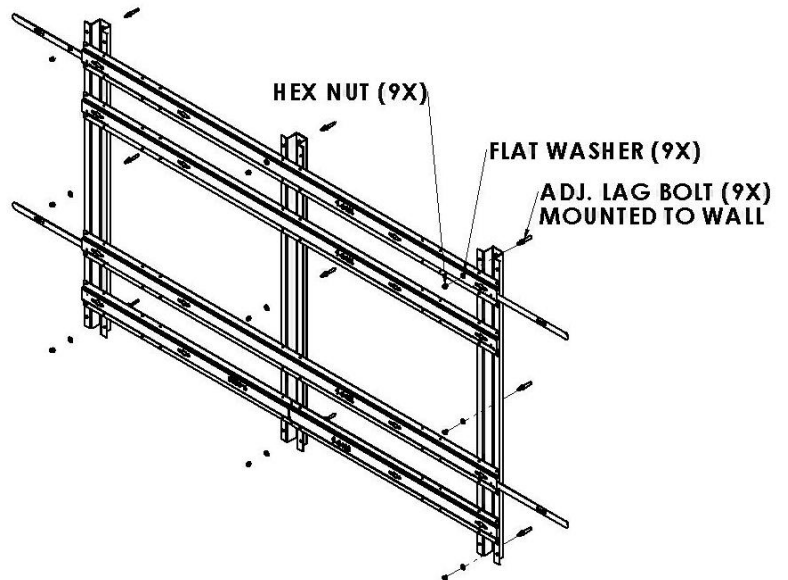


Figure 4

Step 8: OPTIONAL-Install Media Player

Choose and remove the bottom left or right lower H-slat frame by unscrewing its flat head screws (Figure 7). Install the media player to the wall between the two vertical channels using the appropriate fasteners through the media player's brackets (Figure 7). Re-install the bottom lower H-Slat.

Note: maximum height of media player to use must not exceed 1.75" (45mm).

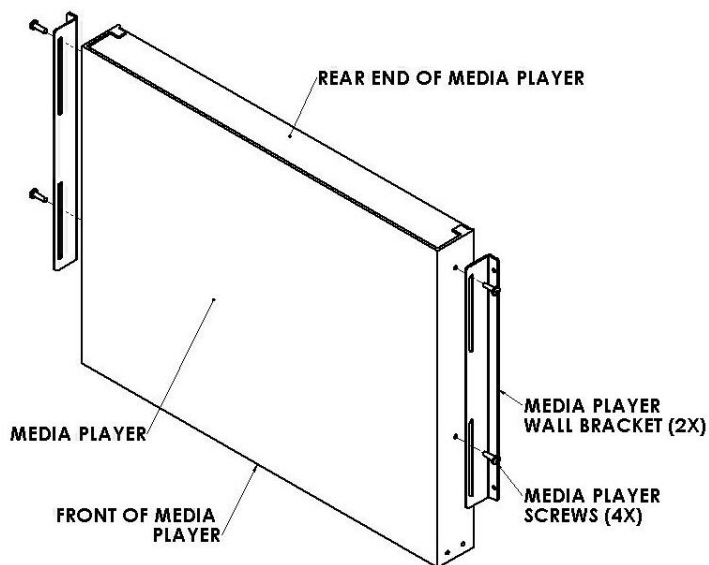


Figure 6

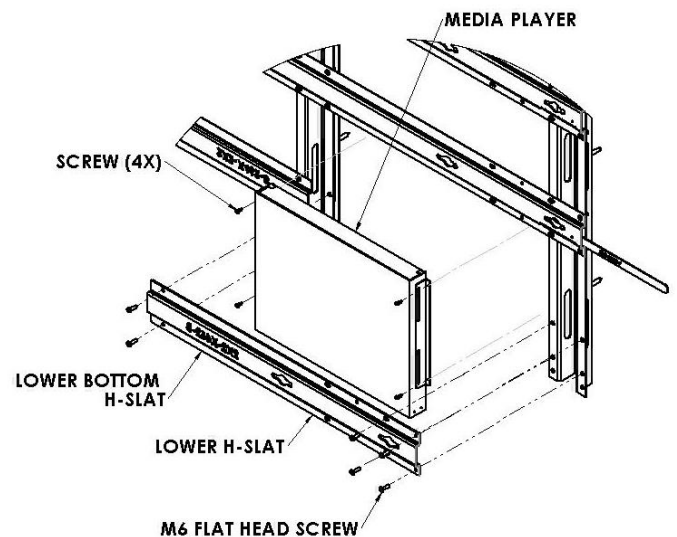


Figure 7

Step 9: Install M6 Adjustable VESA button to LCD Monitors

Thread four M6 Adjustable VESA Buttons into the VESA mounting holes at the back of each LCD monitor (Figure 8).

Step 10: Install Monitors to the Left Column

Starting with the upper left monitor, connect power and signal wires to each monitor. Lift up the locking arms on the left side of the frame. Align the four M6 Adj. VESA buttons with the four large slots in the H-slats then slide the monitor from left to right until it stops then pull down the locking arm to lock into place (Figure 9). Repeat step 11 for the lower monitor.

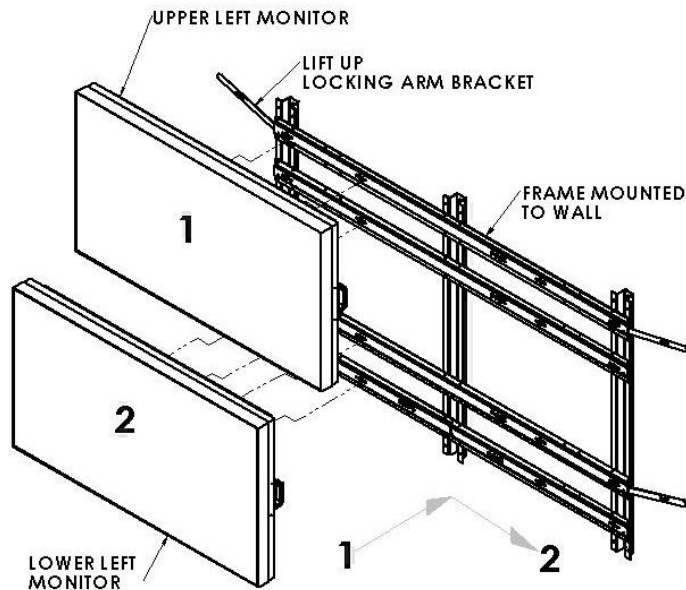


Figure 9

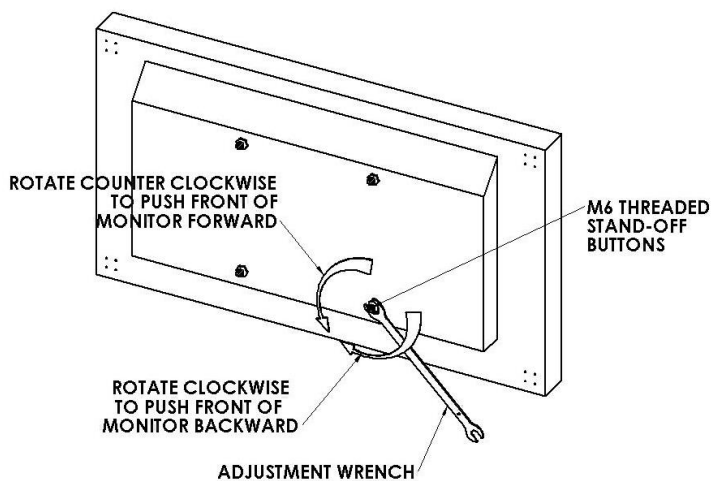


Figure 10

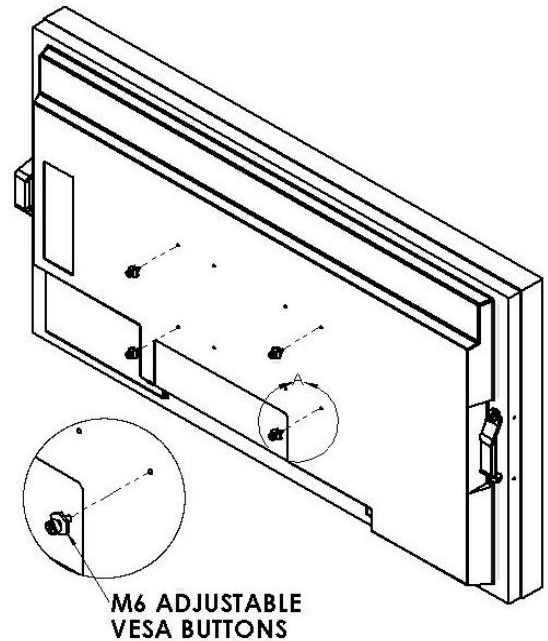


Figure 8

Step 11: Note on Alignment:

While installing monitors, check for front and side alignment of the monitors. The surfaces of all monitors must be aligned and flushed to each other. If one or more screens are tilted more than others use the adjustment wrench bracket to reach the hex portion of the M6 Adjustable VESA buttons at the rear of the monitor and rotate counter-clockwise to pull it forward. If access to the rear is not accessible remove the screen(s) and, depending whether the monitor needs to be tilted forward or backward rotate the buttons using the adjustment wrench or a flat head screw driver (Figure 10). Re-install and recheck surface alignments. Repeat where necessary.

Step 12: Install Right Column Monitors

Starting with the upper right monitor, connect power and signal wires to each monitor. Lift up the locking arms on the right side of the frame. Align the four M^A Adjustable VESA Buttons with the four large slots in the H-slat then slide the monitor from right to left until it stops then pull down the locking arm to lock into place (Figure 11). Repeat step 12 for the lower monitor. Check for front and side alignments. **Refer to Step 11 for front alignment process.**

Serviceing Tips

Right Column Monitor Removal:

Reach fingers between the wall and the right monitor and lift the locking arm (**Figure 12**). Slide and pull monitor to the right (about 3/4") until its button fittings disengage from the frame, then remove.

Left Column Monitor Removal:

Reach fingers between the wall and the left monitor and lift the locking arm. Slide and pull monitor to the left (about 3/4") until its button fittings disengage from the frame, then remove.

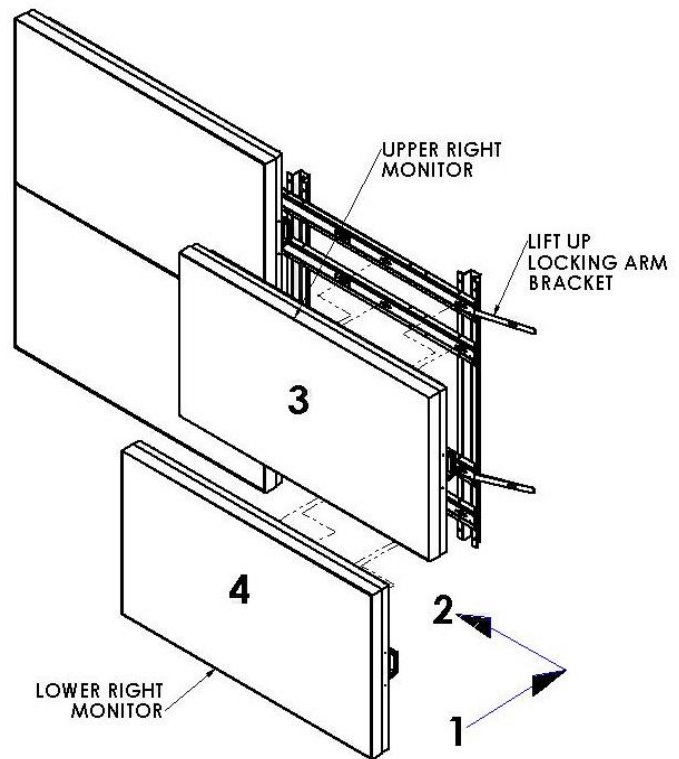


Figure 11

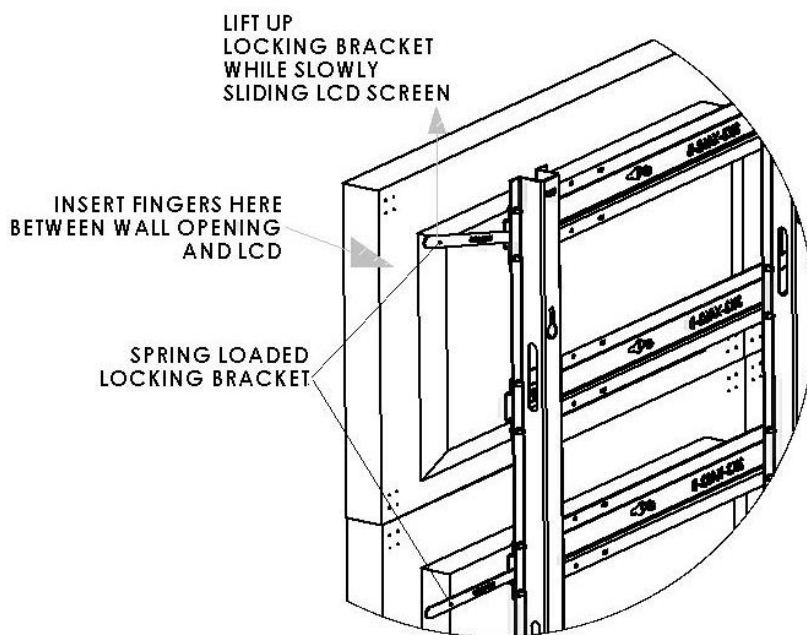


Figure 12

HoverTrack® Series

Assembly Installation Guide

VWD-2X2-V601

Important: Assembling video displays is a serious endeavor that requires experienced professionals. **Improperly assembled equipment can result in property damage, injury, death and/or liability to the installing contractor.** Contact manufacturer if any part of the assembly is in doubt.

Follow these instructions for the most efficient and safest assemble results.

Package Contents:

3 pcs	9-0431 2X H-Channel Slat, 75.84"
2 pcs	9-0432 Lower H-Channel Slat, 37.86"
3 pcs	9-0435 2X V-Channel Assembly, 48"
4 pcs	9-0438 Locking Arm Bracket
4 pcs	Nylon/friction washer, .28 IDx.74OD, white
4 pcs	Phil. Pan head screw, M4-16mm long
4 pcs	Nyloc nut, M4
48 pcs	Flat head phil. Screw, M6x20mm long

Step 1:

Check hardware to make sure it is complete to assemble the parts. Refer to package contents.

Step 2:

Lay all the parts on a flat floor to make sure all the parts are accounted for (Figure 1).

Start with placing the 9-0432 2X V-Channel assembly on a clean floor facing up as shown in figure 1. Make sure the large hole of the key holes slots are all on the lower end and facing same direction.

Place three pieces of 9-0431 2X H-channel slat over the 9-0432 2X V-Channel assembly with the horizontal keyholes surface facing up.

Place a 9-0435 Lower H-channel slat on the lower right and left side of the frame (Figure 1).

All the rectangular slots should be on the bottom sides (figure 2).

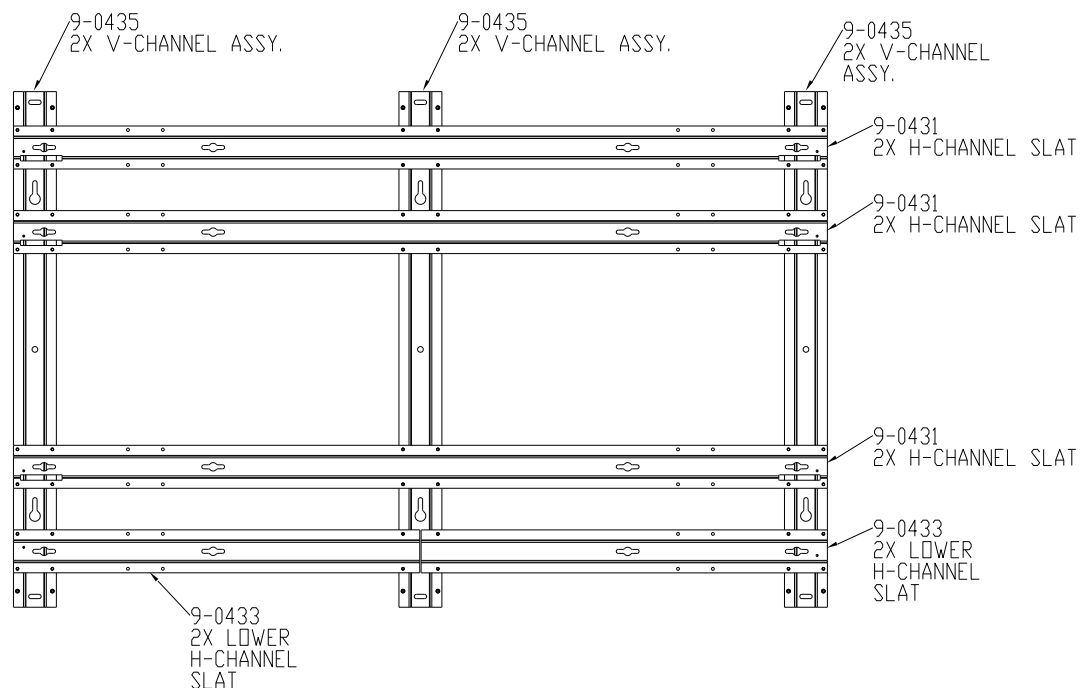


Figure 1

Step 3: Install Locking Arm brackets

Attach two 9-0438 locking arm bracket on two of the 9-0431 2X H-channel slat; one on each ends of the first and the third 2X H-channels using the provided M4 screws, nylon/friction washer and nylock nut (Figure 3 & 4). Make sure the hook of the locking arm is facing up. Tighten screw to achieve friction on the locking arm bracket.

Step 4:

Screw all the horizontal slats, (9-0431 and 9-0433) on the 9-0435 2X V-channels using the provided M6x20mm long flat head screws. Do not tighten screws until all screws are installed (Figure 5).

Step 5:

Check squareness of the each frame by measuring diagonally from corner to corner and should have the same measurement. Adjust if necessary then tighten all screws permanently.

Note:

Tighten all screws to achieve flatness of the frame.

Step 6:

Refer to product installation guide for installation.

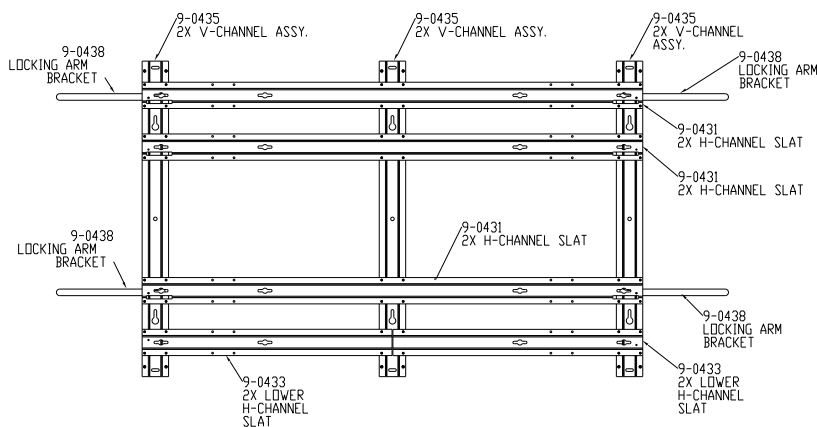


Figure 4

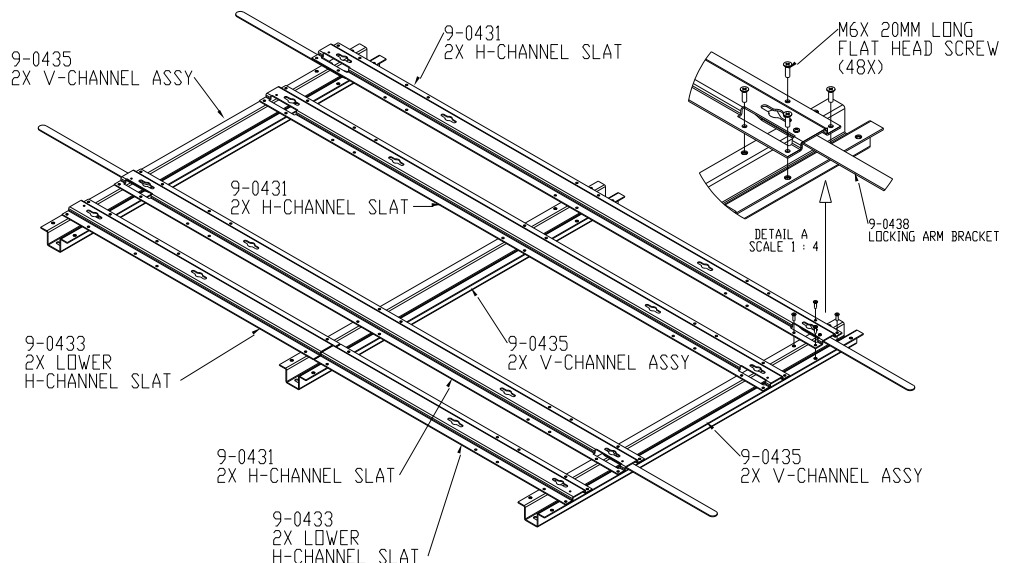


Figure 5

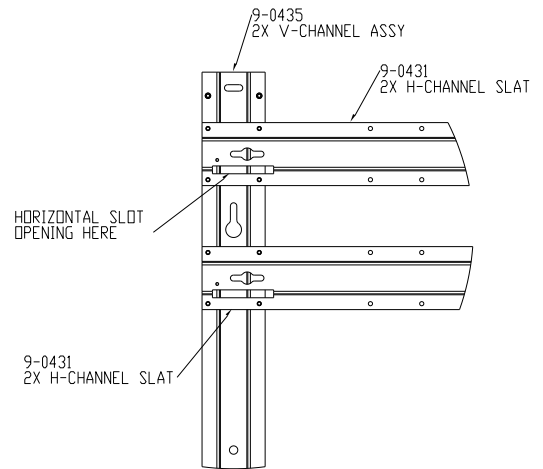


Figure 2

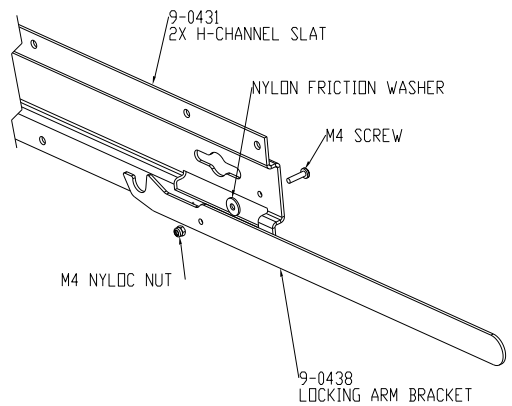


Figure 3