

# MVFS Series

## Installation Guide

## MVFS-X461-FOOT

### Step 1:

Install swivel feet into the threaded nuts (Figure 1).

### Step 2:

Set the feet to desire locations for installations. Make sure the area is flat. Adjust leveling feet if necessary to level feet.

### Step 3:

Prepare first row of frames by placing them on the foot stands. Insert the pegs of the foot stand into the bottom holes of the frame. Make sure the flat side of the foot is facing outside of the frame. Align the holes from the foot stand's pegs with the holes on the tubes of the frame then secure using a  $\frac{1}{4}$ " x 1.0" long quick release pin. Two foot stands per LCD (Figure 2).



### Step 4:

Align the frames with foot stands side by side (edge to edge). Slowly slide out the horizontal connecting bars until the holes line up to the holes of the other frames tube. For permanent installation use the provided  $\frac{1}{4}$ -20 x 1.25" long screw, nuts and washers to lock the connecting bars inside the tube. For quick assembly and disassembly installation, use  $\frac{1}{4}$ x 1.0" grip quick release pins, sold separately (Figure 3).

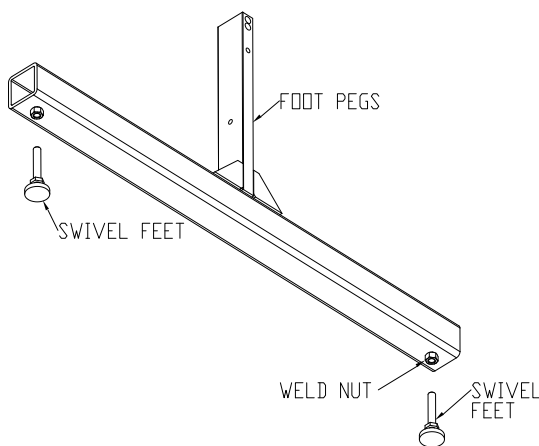


Figure 1

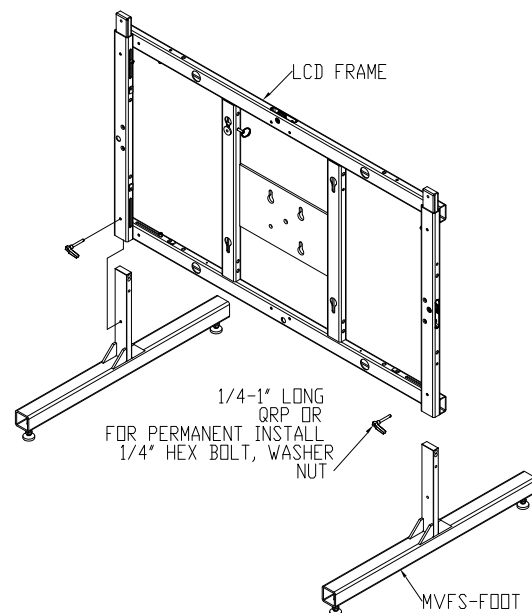


Figure 2

### Step 5:

Insert the  $\frac{3}{8}$ " dia. X 4" long alignment pins (2 per side) from one frame, thru the foot pegs and thru the other frame. Using an M8 or 5/16 Allen wrench rotate the coffin latch counter clockwise until it engages with the mating part on the other frame. Rotate clockwise when engaging from the rear side of the frame. Repeat process for the next frame (Figure 4).

### Note:

Alignment pins only applies on selected products.  
Always insert alignment pins first before engaging the coffin latch.

**Step 6:**

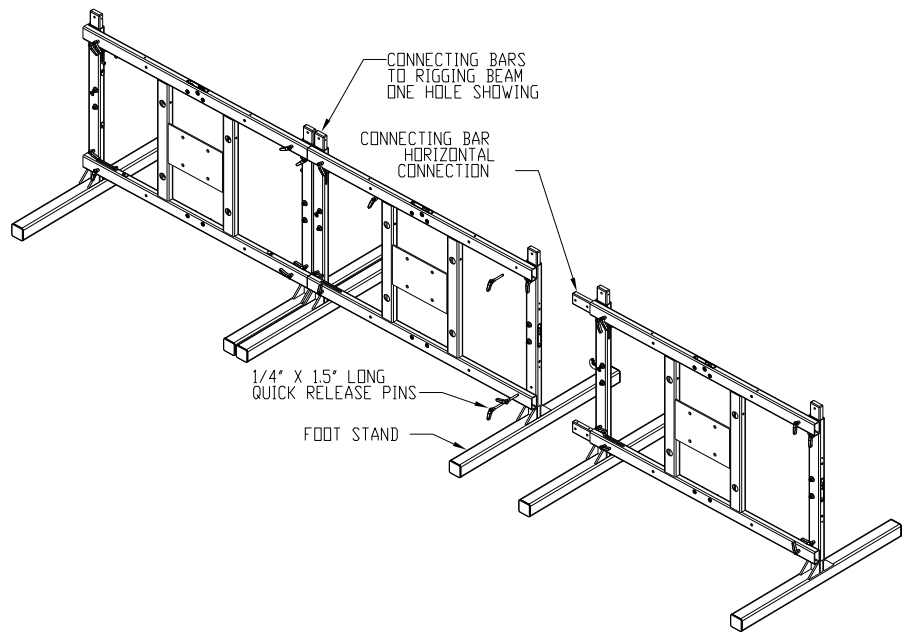
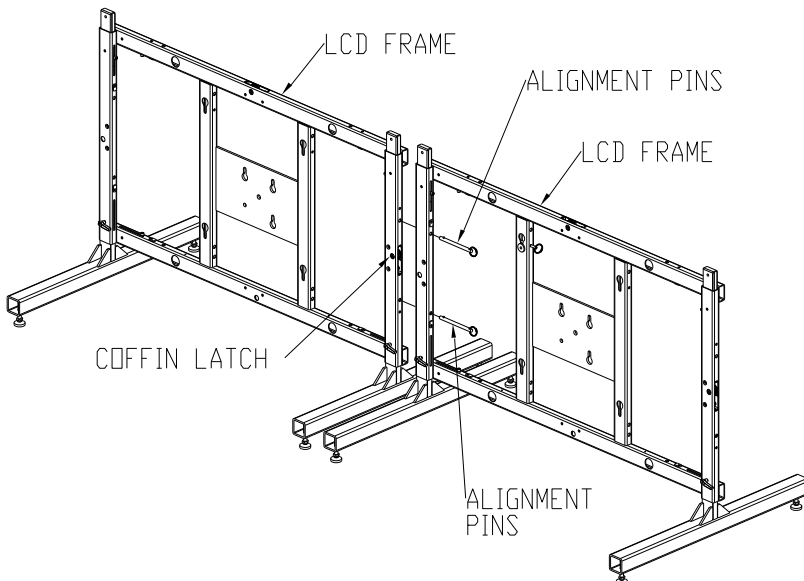
Adjust the swivel feet to level the frames from the floor.

**Step 7: Install LCD monitors to Frames**

Install the LCDs to the frames from the top side. Align the stand-off buttons installed on the rear of the monitors to the large hole of key-hole slots then slowly slide downward. Insert the 1/4x2.25" long detent pin to the side holes of the tube where the key hole is located to lock the stand-off buttons from sliding out (Figure 5 and 5A).

**NOTES:**

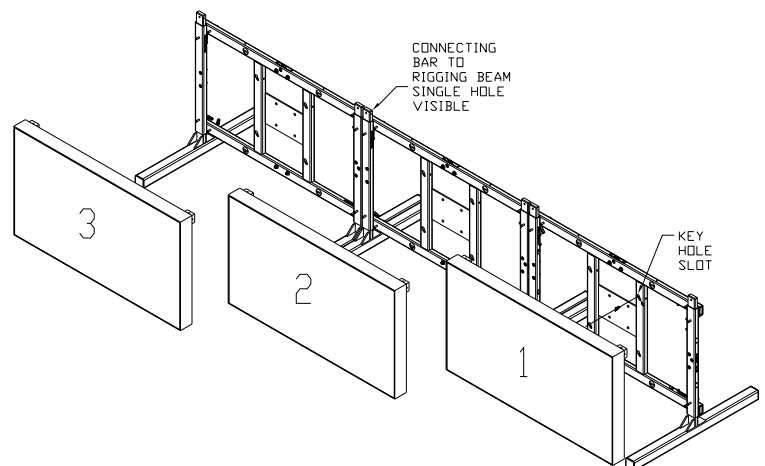
For portrait mode, start the LCD installation from the right side. Always use the locking pins to lock the stand-off buttons.

**Figure 3****Figure 4****Step 7: FOR FREE STANDING INSTALLATION:**

Add frames one by one on top of the lower frame using the connecting bars, alignment pins and coffin latches (see main illustrations).

**WARNING:**

For 46" monitors is up to 3 high, for 55" monitors up to 2 high in landscape mode. For portrait mode up to 2 high monitors. Back brace are required for both configurations (See back brace beams instructions)

**Figure 5**

## **FOR USED IN RIGGING BEAMS INSTALLATIONS:**

### **Step 8:**

Slide the connecting bars out from the top tubes of the frames until there is one hole visible (about 2 inches sticking out). Align the holes of the connecting bars to the holes on the tube then insert bolts, washer and nuts to lock connecting bar in position. For quick assembly and disassembly use 1/4" diameter x 1.5" long quick release pins (Figure 6).

### **Step 9: Connect Frames to Rigging Beam**

Attach rigging beams to frames by slowly lowering the rigging beam onto the connecting bars of the frames. Insert the connecting bars in the rectangular slots of the rigging beam until the holes of the connecting bars aligns with the holes of the rigging beam. Secure the connecting bars to the rigging beam using the 1/4-20x 2.5" long hex bolt, nuts and washer supplied with the rigging beam's hardware kit. **For quick assembly and disassembly, use 1/4" dia. x 1.5" long quick release pins (sold separately) (Figure 6).**

### **Step 10:**

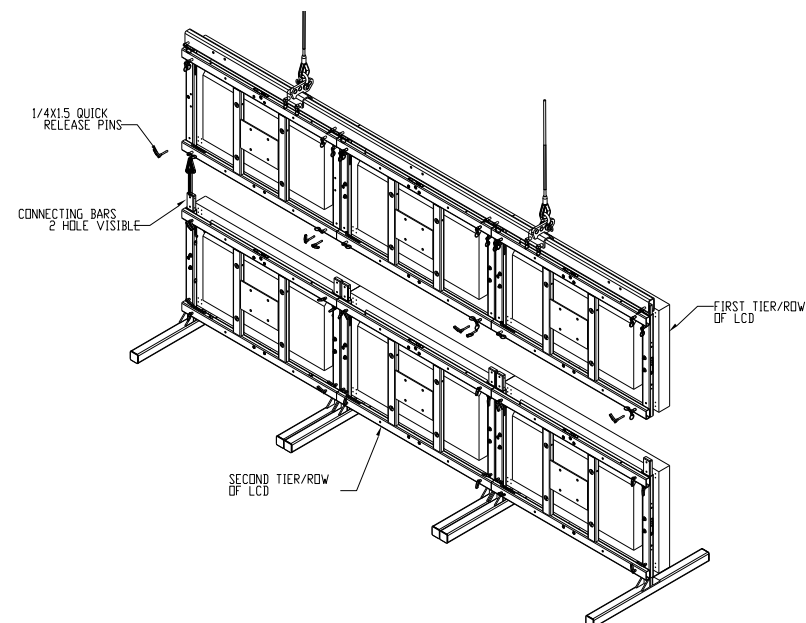
Slowly lift up the first row of LCD above the floor, high enough to remove the foot stand by releasing the quick release pins.

### **Step 11:**

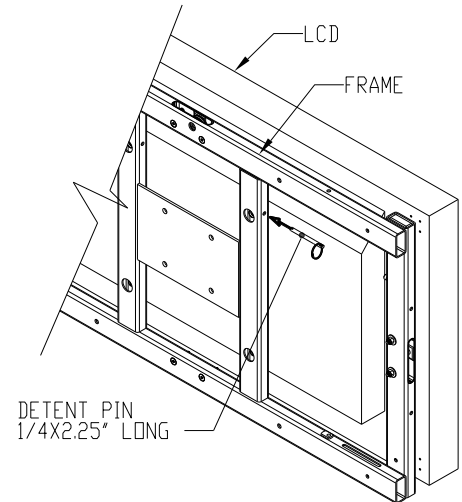
Assemble the second row of LCD frames below the first row. Use the same procedure as step 2 to step 5 (Figure 7).

### **Step 12:**

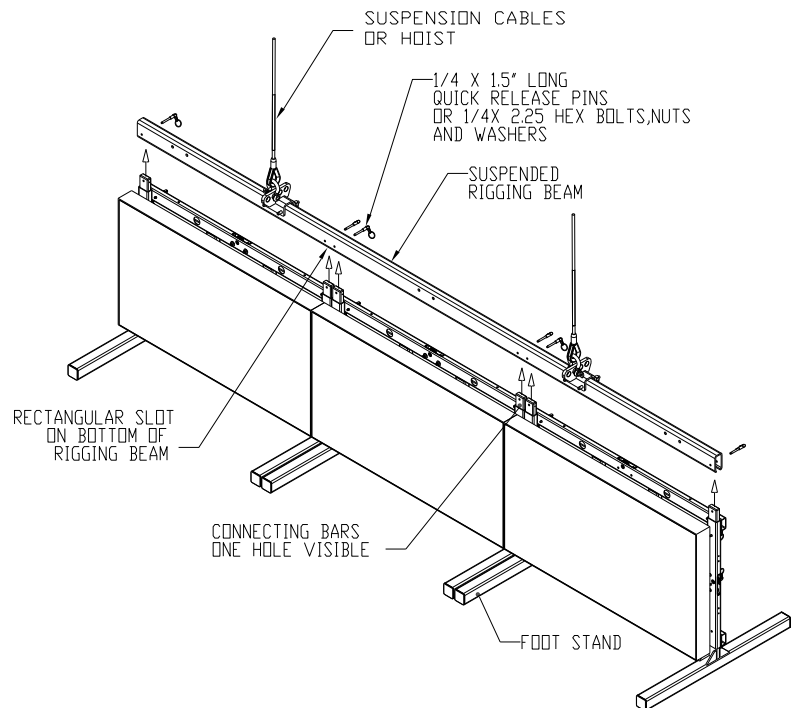
For the second row of LCD, fully extend the top connecting bars out of the frame's tubes so there are two holes visible, about 3.5 inches sticking out (Figure 7).



**Figure 7**



**Figure 5A**



**Figure 6**

### **Step 13:**

Slowly lower the first row of LCDs until the second row of frames top connecting bars goes inside the vertical tubes on the bottom of the first row of frames. Line up the holes of the connecting bars to the holes of the frame's vertical tubes then lock connecting bars. Each end of the connecting bars should be secured from each frames with bolts, nuts and washer or quick release pins. **For quick assembly**

**and disassembly, use 1/4" dia. x 1.5" long quick release pins (sold separately) (Figure 7).**

**Step 14:**

Insert 3/8 x 4" alignment pins from the top frame to bottom frame first (Figure 4) then use an M8 or 5/16" Allen wrench to rotate the coffin latch on top of the frames clockwise (from the rear) to engage the latch connection between the first row and the second row of frames (Figure 7).

**Step 15:**

Check all connections. Slowly lift up the first and second rows of LCD assembly above the floor high enough to clear and remove the foot stand from the second row by releasing the quick release pins.

**Step 16:**

Assemble the third row of LCD frames below the second row of LCD frames. Use the same procedure as step 2 to step 5.

**Step 17:**

For the third row of LCD, fully extend the top connecting bars out of the frame's tubes so there are two holes visible, about 3.5 inches sticking out.

**Step 18:**

Slowly lower the first and second row assembly of LCDs until the third row of frames top connecting bars goes inside the vertical tubes on the bottom of the second row of frames. Line up the holes of the connecting bars to the holes of the frame's vertical tubes then lock connecting bars with the provided hex bolts, nuts and washers. Each end of the connecting bars should be secured from each frames with bolts, nuts and washer or quick release pins (Figure 8).

**Step 19:**

Insert 3/8" x 4" long alignment pins the use an M8 or 5/16" Allen wrench to rotate the coffin latch on top of the frames clockwise (from the rear) to engage the latch connection between the first row and the second row of frames (Figure 4).

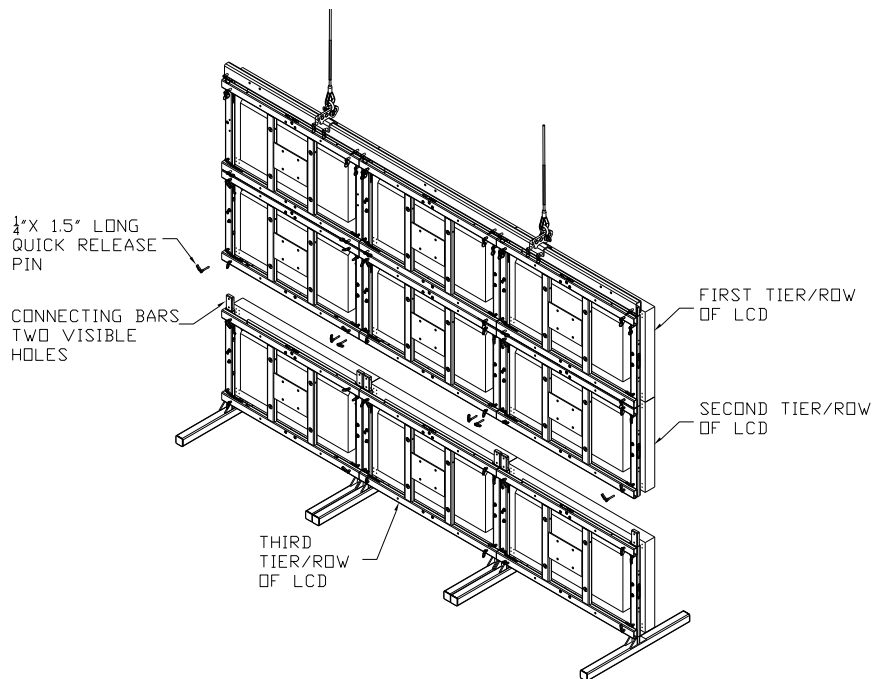
**Step 20:**

Check all connections. Slowly lift up the completed video wall display about 35" above the floor then remove the foot stand from the second row by releasing the quick release pins (Figure 8 and 9).

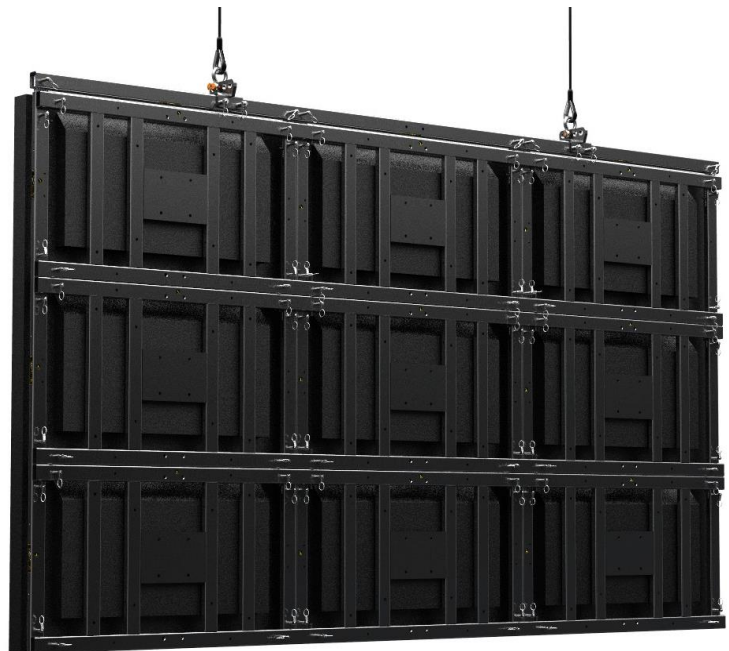
**Step 21:**

Repeat procedure for other lower rows of LCD.

**Step 22:**



**Figure 8**



**Figure 9 (3 x 3 Suspended Video Wall Display)**

Check all connections before hoisting the Video Wall display. Lift up the completed video wall display to desired height (Figure 9).