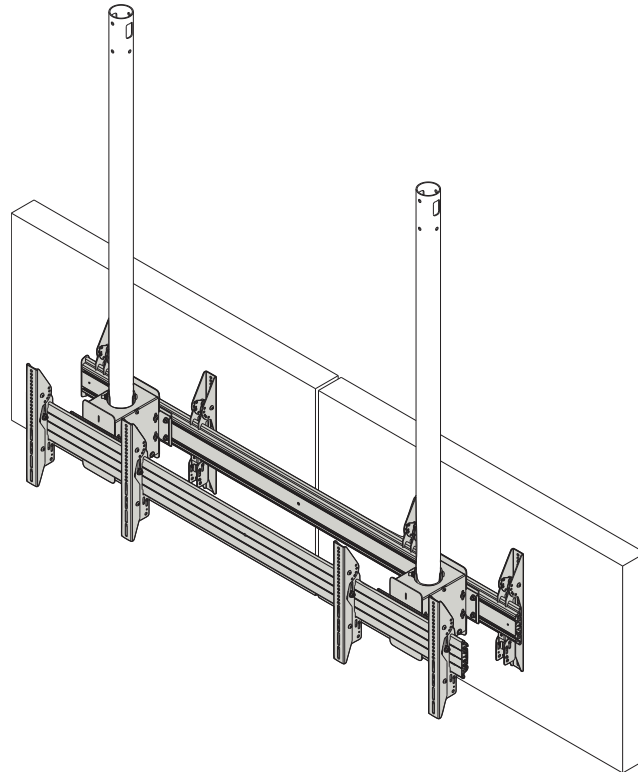


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# INSTALLATION INSTRUCTIONS

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## Ceiling-Mounted Back-to-Back Outdoor Menu Boards

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## DISCLAIMER

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## DEFINITIONS

**MOUNTING SYSTEM:** A MOUNTING SYSTEM is the primary Chief product to which an accessory and/or component is attached.

**ACCESSORY:** AN ACCESSORY is the secondary Chief product which is attached to a primary Chief product, and may have a component attached or setting on it.

**COMPONENT:** A COMPONENT is an audiovisual item designed to be attached or resting on an accessory or mounting system such as a video camera, CPU, screen, display, projector, etc.



**WARNING:** A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.



**CAUTION:** A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.



## IMPORTANT SAFETY INSTRUCTIONS



**WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.



**WARNING:** Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.



**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components located within the mounting system of the OLCB2X1U mounts does not exceed 500 lbs (226.8 kg) total or 125 lbs (56.7 kg) per display.

125	125
125	125

**NOTE:** "Moment" ratings have NOT been evaluated by UL.



**WARNING:** Exceeding the maximum moment can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the mounting system does not exceed a moment of 2000 ft-lbs. See table below for specific column specifications.

COLUMN MODEL	Weight capacity	Moment Length (IN) (ML)	Max Design Moment (FT-LBS) (MDM)
ODAC0203B	300 lbs (136 kg)	23 min - 36 max	2000
ODAC0304B	300 lbs (136 kg)	33 min - 48 max	2000
ODAC0405B	300 lbs (136 kg)	45 min - 60 max	2000
ODAC0506B	300 lbs (136 kg)	57 min - 72 max	2000
ODAC0708B	300 lbs (136 kg)	81 min - 96 max	2000



**WARNING:** Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.



**WARNING:** Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.



**WARNING:** Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.



**WARNING:** Use this mounting system with other outdoor products only.

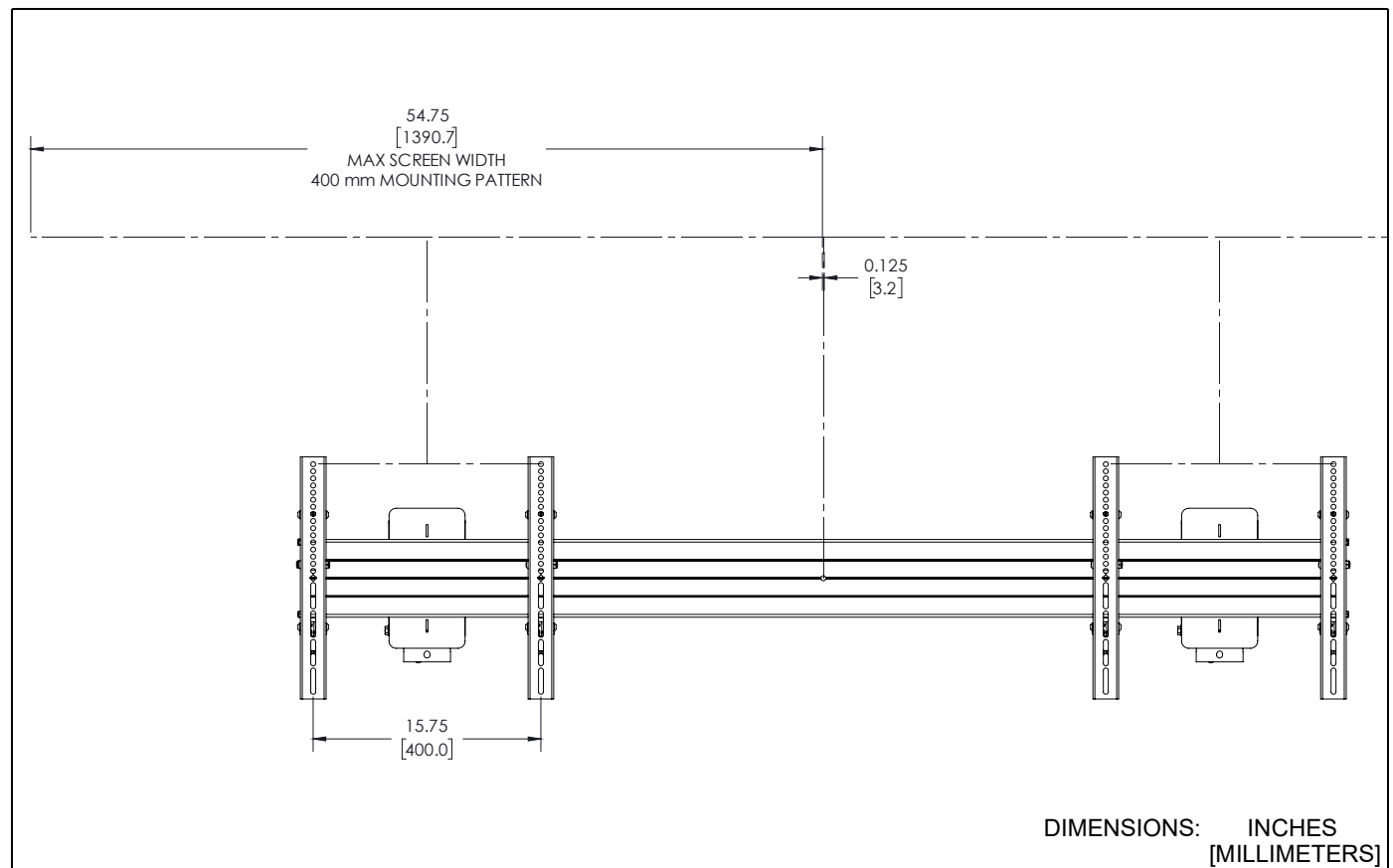
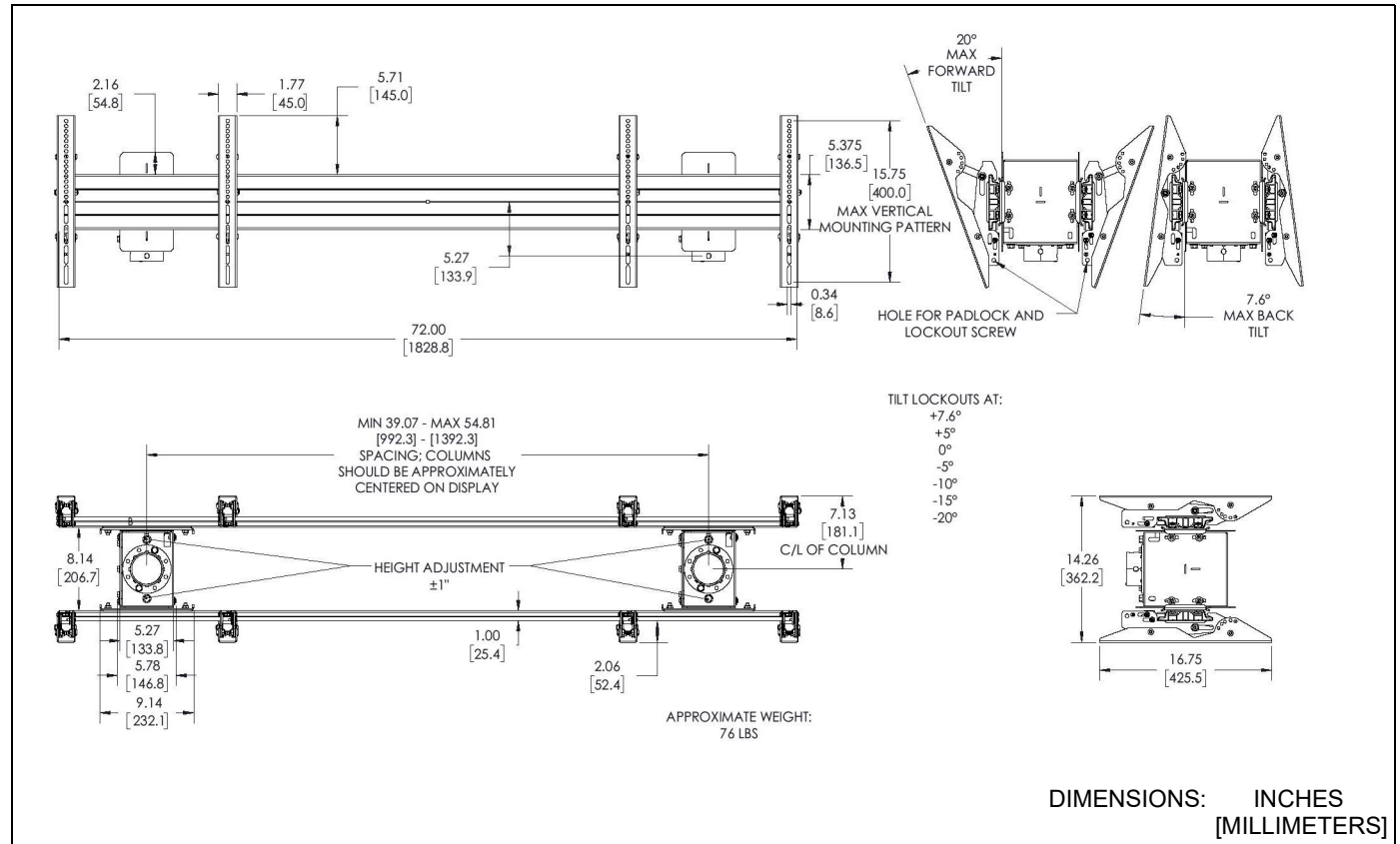


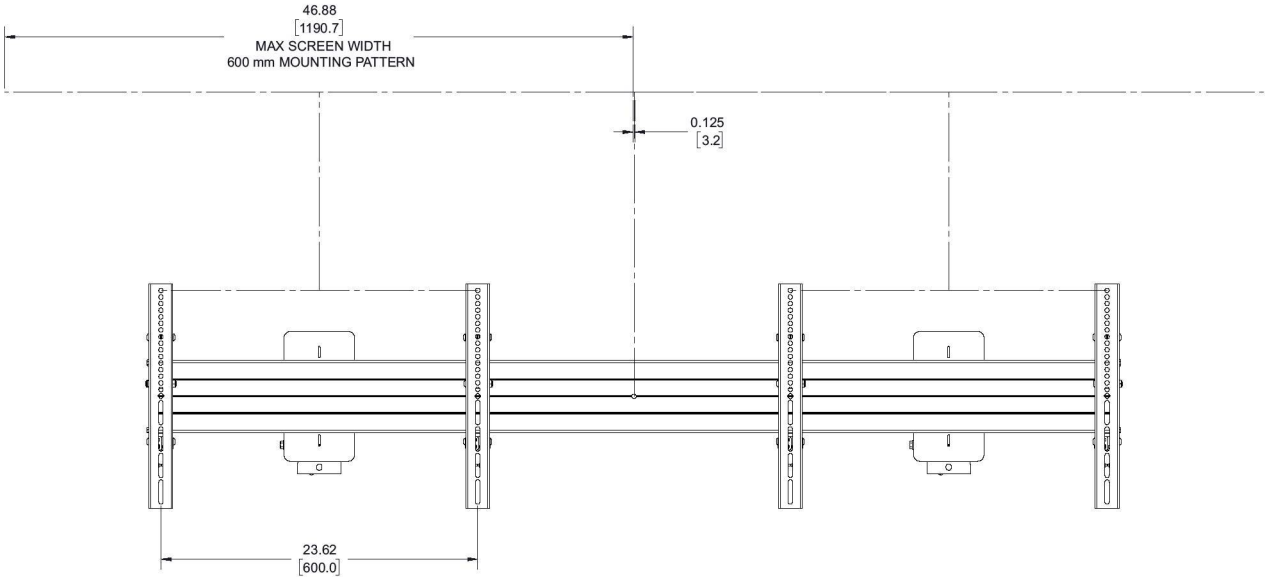
**WARNING:** Always use two people or a mechanical lifting device to safely lift and position equipment.

**NOTE:** The OLCB2X1U flat panel floor/ceiling mounts are intended to be used with UL Listed ODAC Series columns (not included): ODAC0203, ODAC0304, ODAC0405, ODAC0506, ODAC0708.

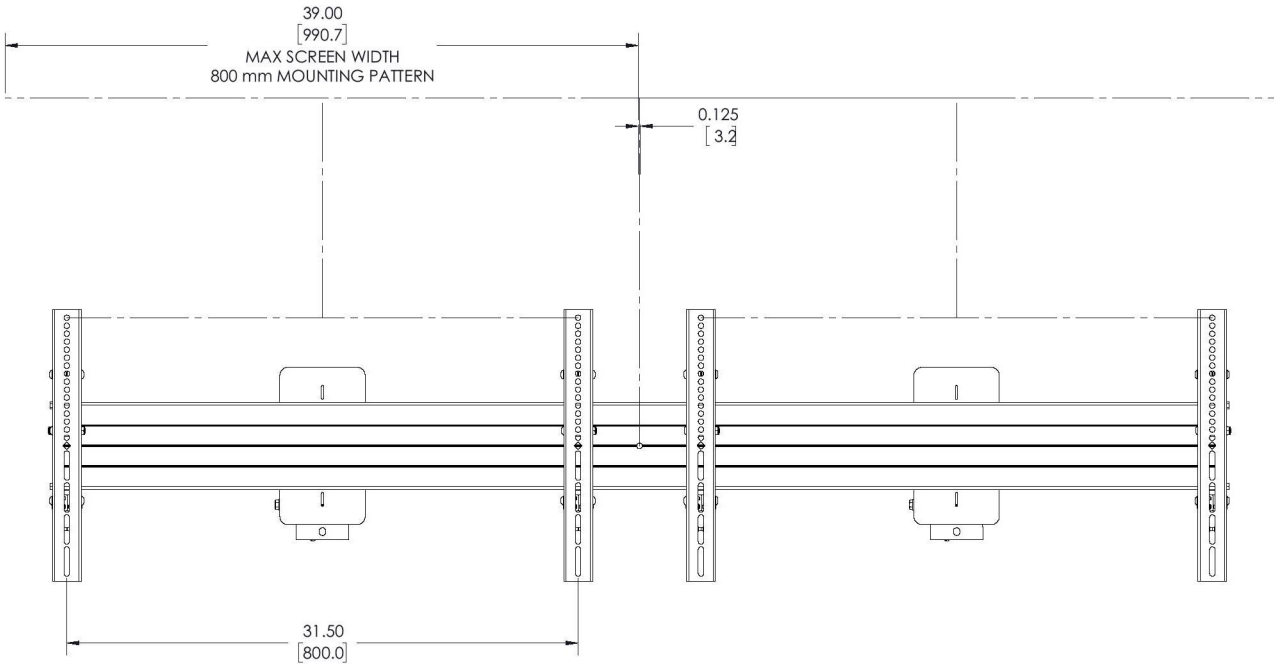
**--SAVE THESE INSTRUCTIONS--**

## DIMENSIONS

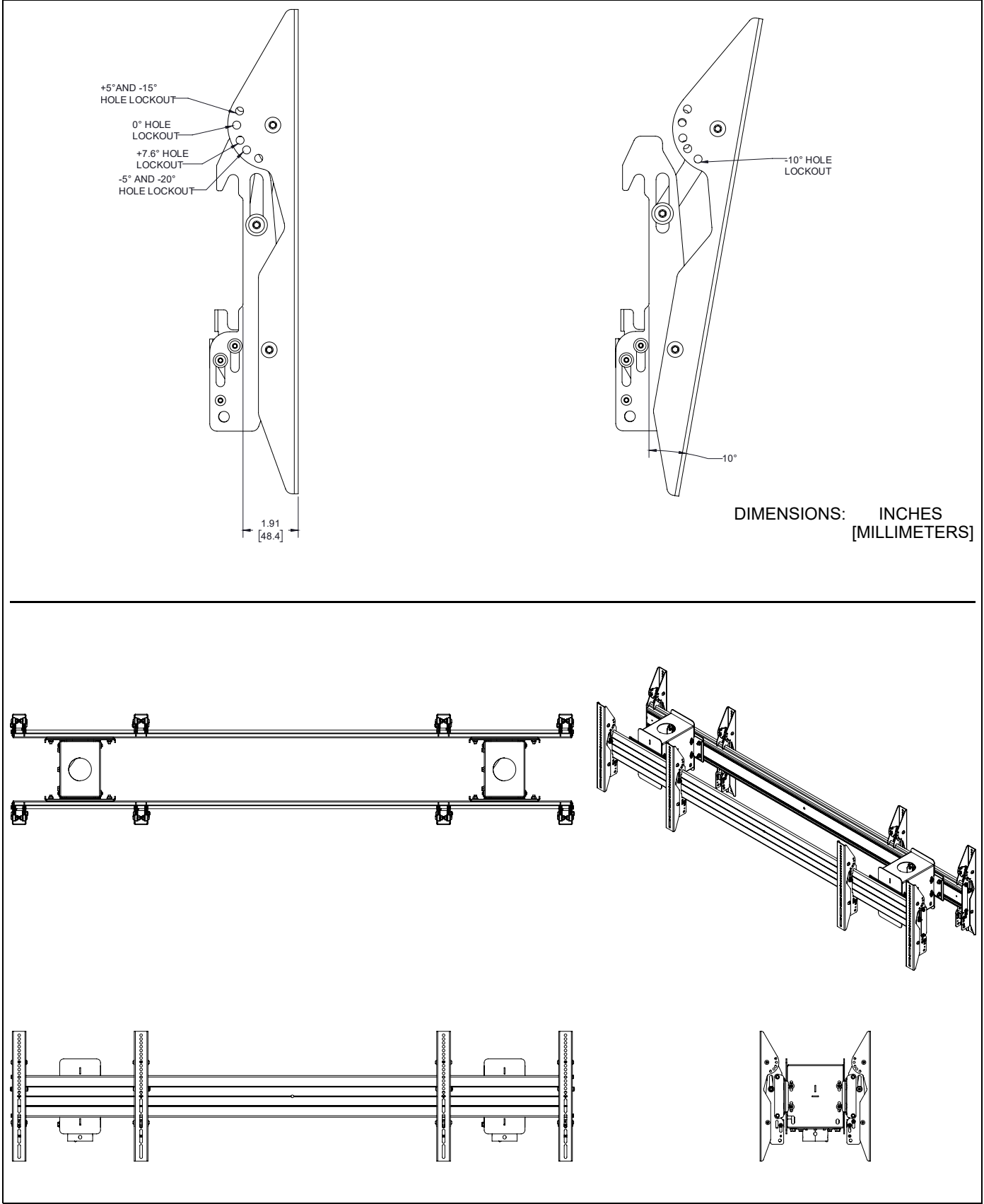




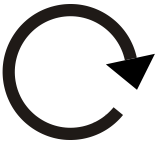











DIMENSIONS: INCHES  
[MILLIMETERS]



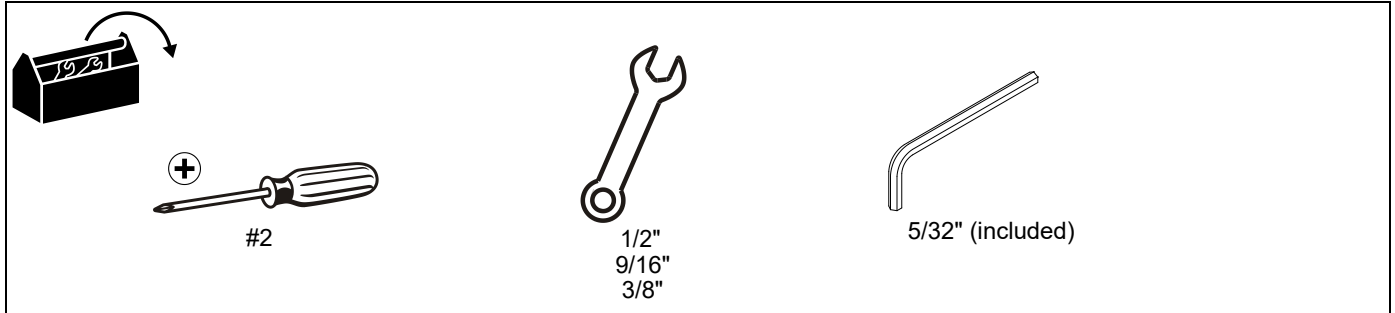
**DIMENSIONS (cont'd)**



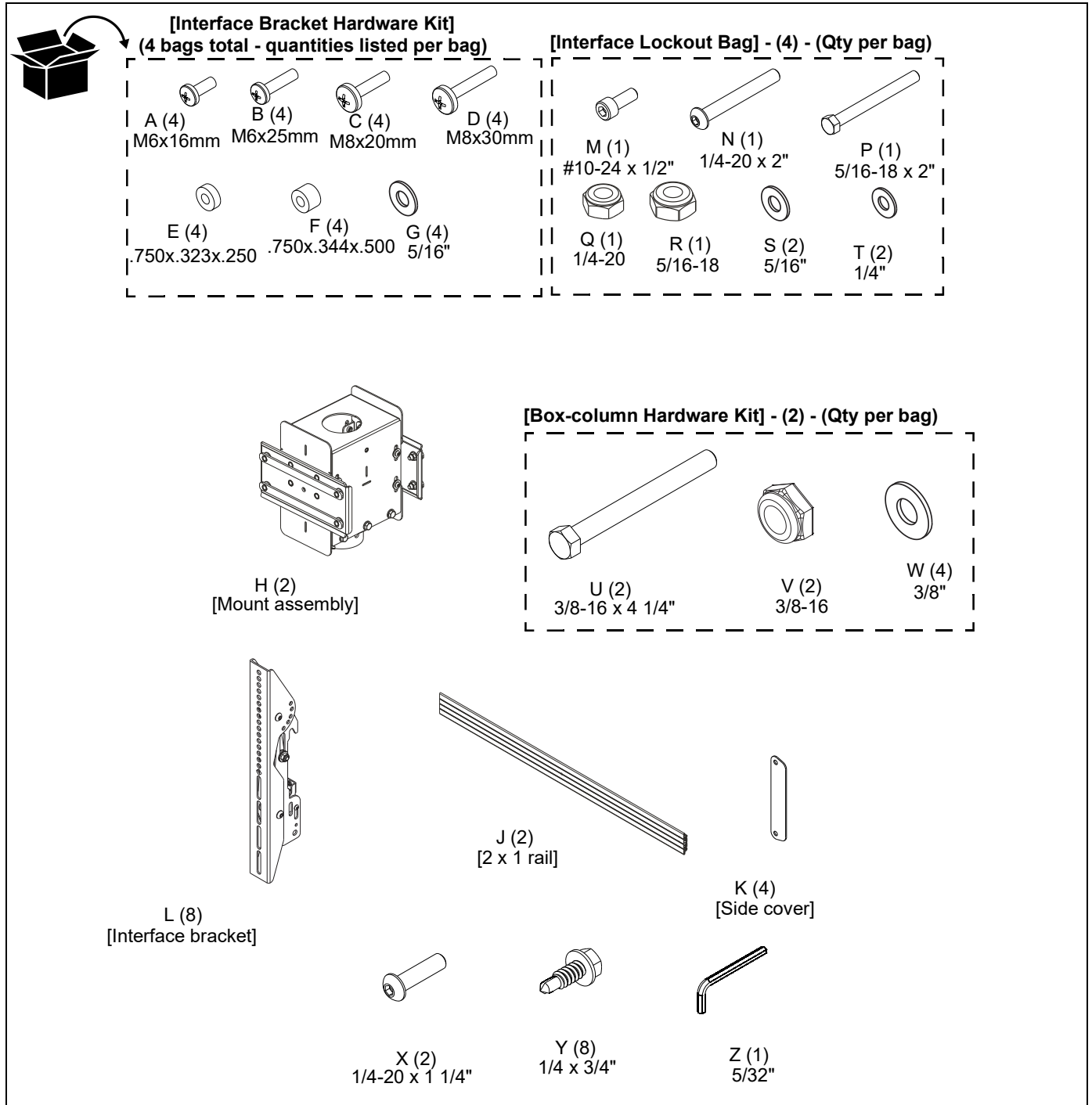
**LEGEND**

	<b>Tighten Fastener</b> Apretar elemento de fijación Befestigungsteil festziehen Apertar fixador Serrare il fissaggio Bevestiging vastdraaien Serrez les fixations		<b>Pencil Mark</b> Marcar con lápiz Stiftmarkierung Marcar com lápis Segno a matita Potloodmerkten Marquage au crayon
	<b>Loosen Fastener</b> Aflojar elemento de fijación Befestigungsteil lösen Desapertar fixador Allentare il fissaggio Bevestiging losdraaien Desserrez les fixations		<b>Drill Hole</b> Perforar Bohrloch Fazer furo Praticare un foro Gat boren Percez un trou
	<b>Phillips Screwdriver</b> Destornillador Phillips Kreuzschlitzschraubendreher Chave de fendas Phillips Cacciavite a stella Kruiskopschroevendraaier Tournevis à pointe cruciforme		<b>Adjust</b> Ajustar Einstellen Ajustar Regolare Afstellen Ajuster
	<b>Open-Ended Wrench</b> Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche		<b>Remove</b> Quitar Entfernen Remover Rimuovere Verwijderen Retirez
	<b>By Hand</b> A mano Von Hand Com a mão A mano Met de hand À la main		<b>Optional</b> Opcional Optional Opcional Opzionale Optie En option
	<b>Hex-Head Wrench</b> Llave de cabeza hexagonal Sechskantschlüssel Chave de cabeça sextavada Chiave esagonale Zeskantsleutel Clé à tête hexagonale		<b>Security Wrench</b> Llave de seguridad Sicherheitsschlüssel Chave de segurança Chiave di sicurezza Veiligheidssleutel Clé de sécurité

## TOOLS REQUIRED FOR INSTALLATION



## PARTS



## INSTALLATION

**IMPORTANT !** : The following procedure assumes that:

- Two UL Listed ODAC Series Floor/Ceiling Columns (not included) have been properly installed following instructions provided with plates and pipes.

### Attaching Mount to ODAC Series Column



**CAUTION:** WATCH FOR PINCH POINTS! Do not place fingers between movable parts.

- Slide mount assemblies (H) onto ODAC Series Floor/Ceiling Columns. (See Figure 1) or (See Figure 2)
- Use two 3/8-16 x 4 1/4" hex head tapping bolts (U), four 3/8" washers (W) and two 3/8-16 hex nuts (V) to secure each mount assembly (H) to each column. (See Figure 1) or (See Figure 2)

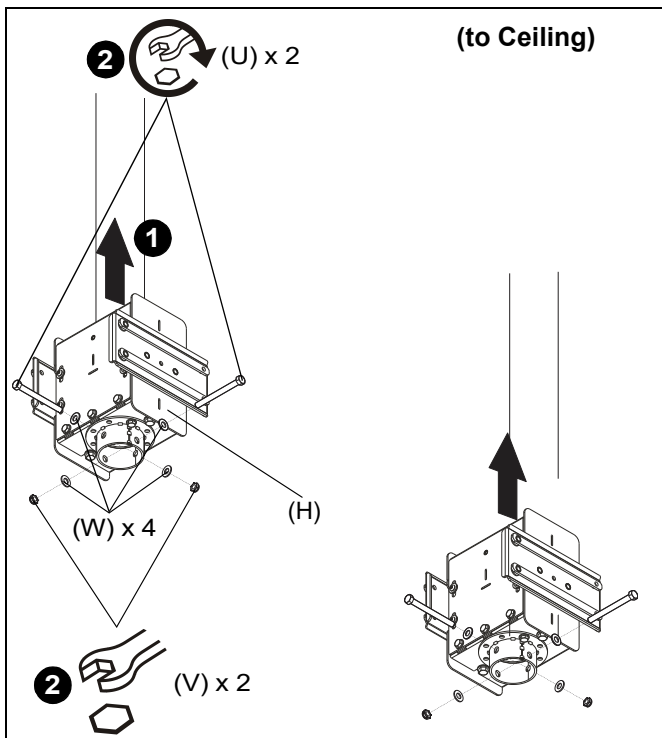


Figure 1

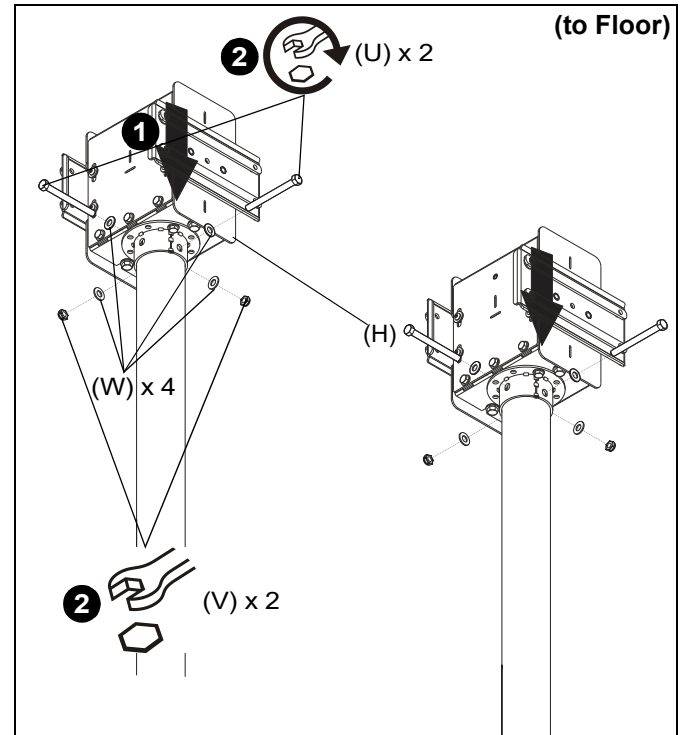


Figure 2

- Install 1/4-20 x 1 1/4" button head cap screws (X) into each mount assembly (H) to prevent column from rattling. (See Figure 3)

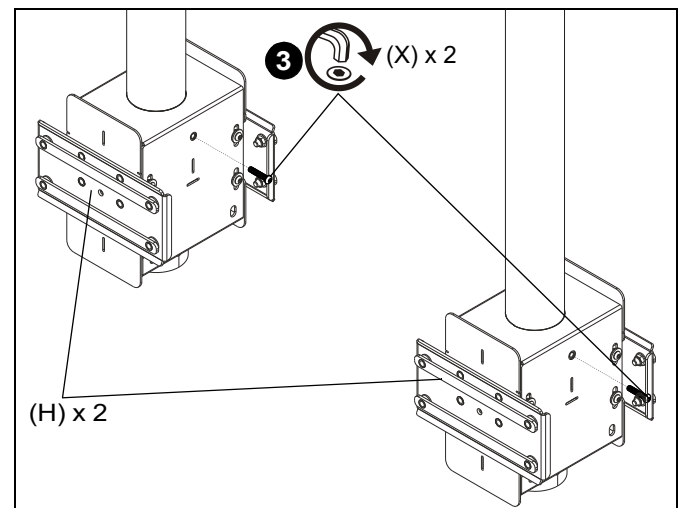


Figure 3



4. Slide 2 x 1 rail (J) onto one of two assemblies (H) attached to column. (See Figure 4)

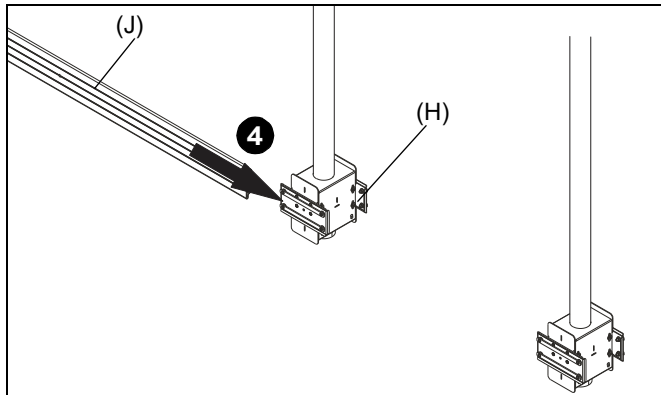


Figure 4

5. Slide 2 x 1 rail (J) onto second assembly (K) attached to column. (See Figure 5)
6. Use four 1/4 x 3/4" hex flange bolts (Y) to secure two side covers (K) to ends of rail (J). (See Figure 5)

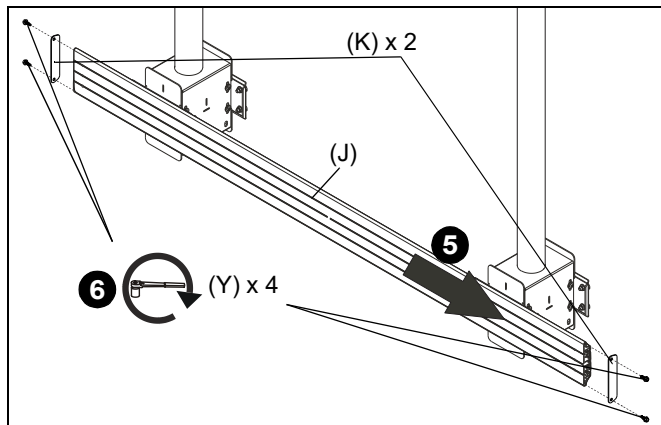


Figure 5

7. Tighten four bolts on back of each assembly to secure rail (J) in place.

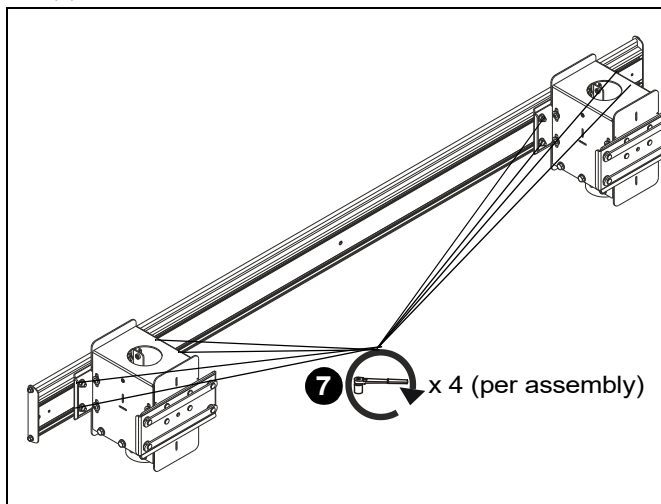


Figure 6

8. Repeat Steps 4-7 to install second rail (J) to assemblies (H).

## Attaching Interface Brackets to Display

1. Lower the latch mechanism on each interface bracket (L). (See Figure 7)

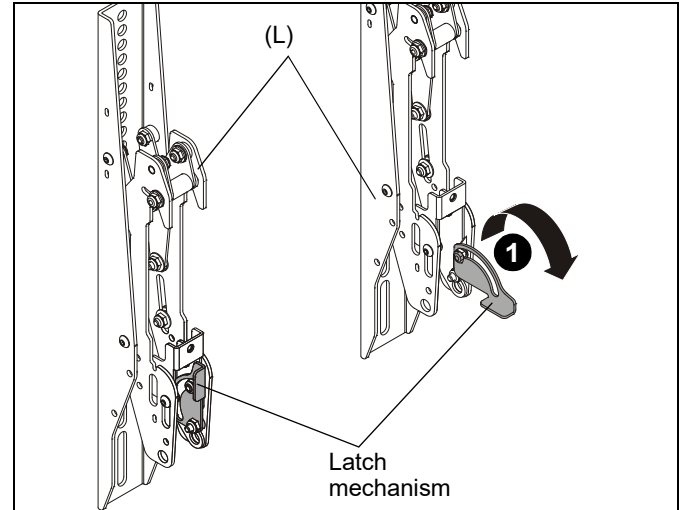


Figure 7

2. Align the center of the interface bracket (L) with center of screen. (See Figure 8)

**NOTE:** The diamond-shape hole in the bracket corresponds to the center of the mount.

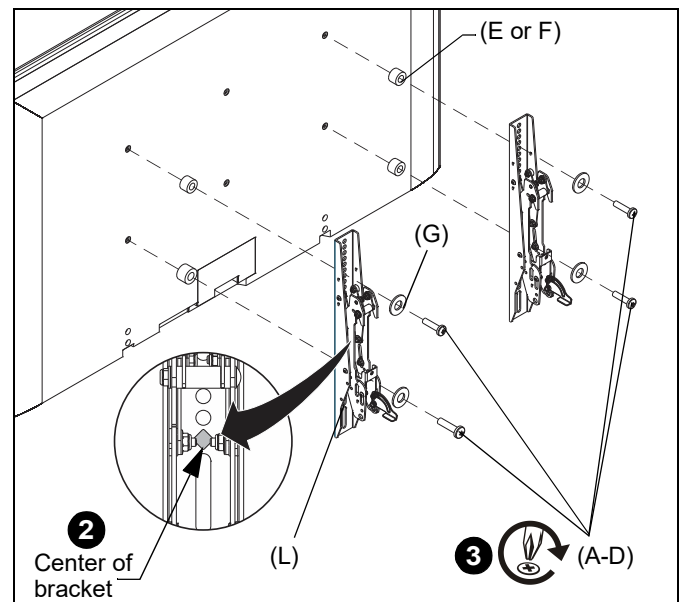


Figure 8



**WARNING:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display. Properly sized screws will easily and completely thread into display mounting holes. If spacers are required, be sure to use longer screws of the same diameter.

3. Select correct screws, spacers (if necessary) and washers from the hardware bag (A-G) and attach brackets (L) to back of screen. (See Figure 8)

## Attaching Displays to Ceiling Mounts



**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components located within the mounting system of the OLCB2X1U mounts does not exceed 500 lbs (226.8 kg) total or 125 lbs (56.7 kg) per display.

125	125
125	125

1. Ensure that the latch mechanisms on interface brackets (L) are already lowered. (See Figure 9)
2. While supporting both sides of display, lower display onto ceiling mount, hooking top of interface brackets onto front of ceiling mount. (See Figure 9)



**WARNING:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! The display MUST be centered on the ceiling mount.

3. Raise the latch mechanism on both interface brackets to lock bracket in place. (See Figure 9)

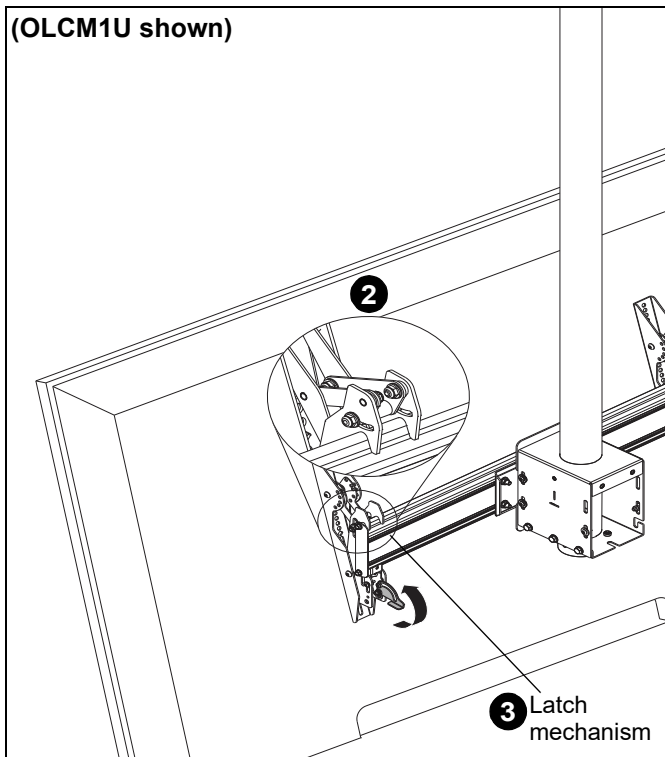


Figure 9

4. Fasten bracket against ceiling mount extrusion using one 10-24 x 1/2" socket head cap screw (M) per bracket. (See Figure 10)

5. Repeat Steps 1-4 for other interface brackets.

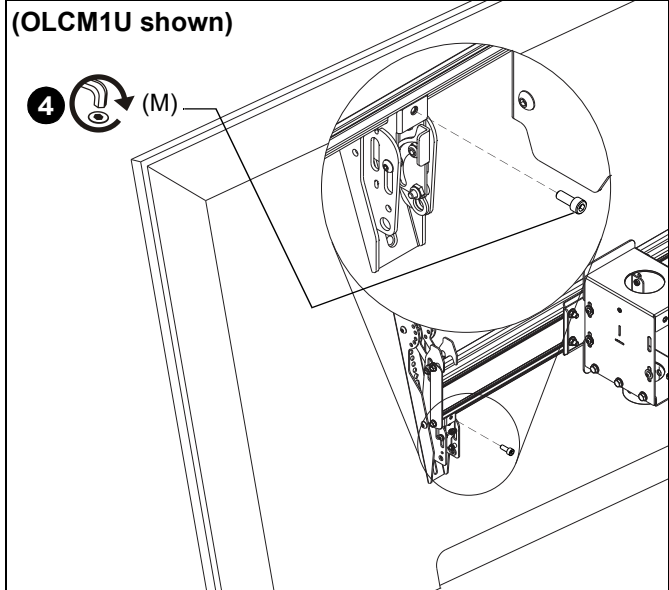


Figure 10

## Adjustments



**CAUTION:** Watch for pinch points! Do not place fingers between movable parts.

### Tilt



**CAUTION:** Watch for pinch points! Do not place fingers between movable parts.

The interface brackets allow -7.6° to 20° tilt, and can be locked at -7.6°, -5°, 0°, 5°, 10°, 15° and 20° tilt. (See Figure 11)

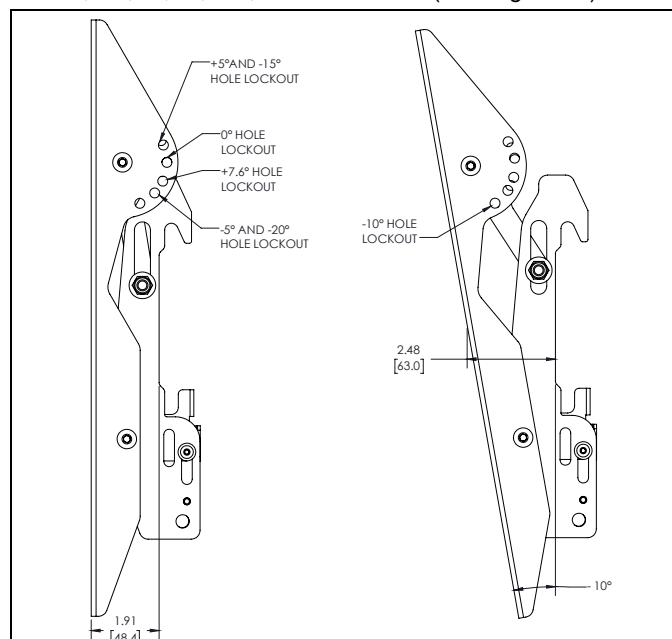


Figure 11

6. If necessary, loosen button head tilt friction bolt (located on side of interface bracket). (See Figure 12)
7. Adjust tilt as required. (See Figure 12)
8. The tilt may be locked at -7.6°, -5°, 0°, 5°, 10°, 15° and 20° using one 1/4-20 x 2" Phillips head screw (N), one 1/4-20 lock nut (Q) and two 1/4" washers (T) per interface bracket. (See Figure 11) and (See Figure 12)

**NOTE:** Use of washers (T) is optional.

9. Tighten button head tilt friction bolt as necessary.

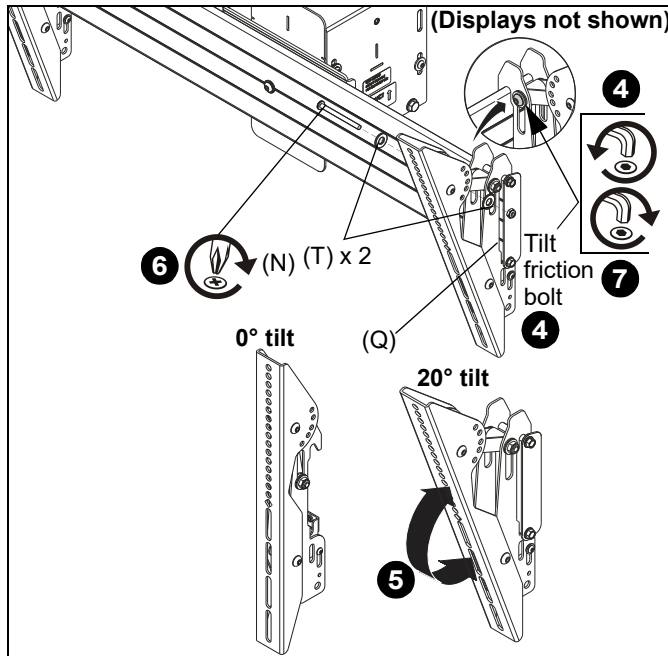


Figure 12

### Level Adjustment

1. Adjust level adjustment screws to change roll position. The roll may be adjusted 1" in either direction. (See Figure 13)

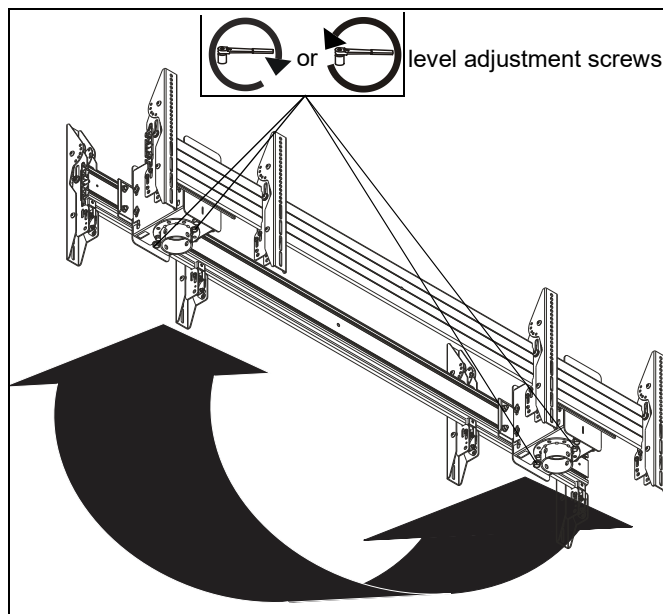


Figure 13

### Latch Lock/Security

**IMPORTANT !** : In order to prevent interface latch from getting loose due to strong winds, the latch **MUST** be locked either using a padlock or locking bolt (N) and 5/16-18 hex nuts (Q). This is **NOT** optional!

#### Using Padlocks (Security)

1. Add padlock (not included) to each interface bracket to lock latch and to provide security for displays. (See Figure 14)

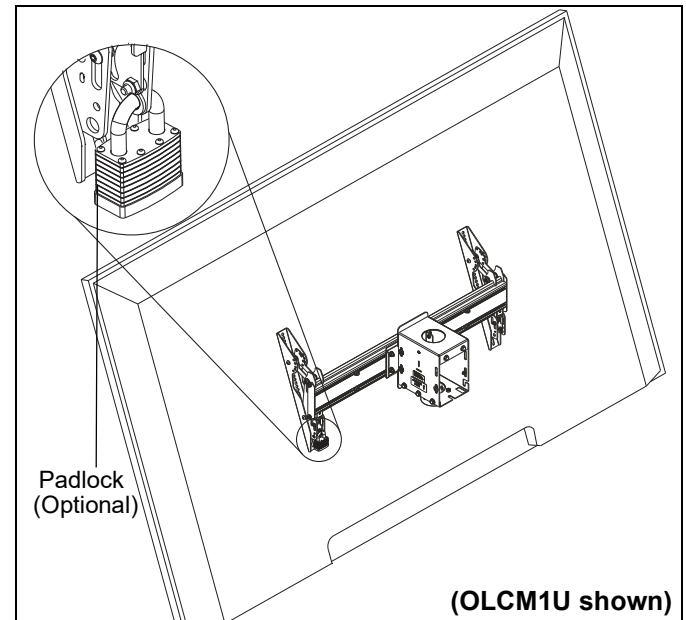


Figure 14

#### Using Bolts/Nuts

**NOTE:** This will keep latch from opening but does not provide additional security for the displays.

1. Use 5/16-18 x 2" hex head carriage bolt (P), 5/16-18 hex nut (R) and two 5/16" washers (S) to lock each interface bracket latch in place. (See Figure 15)

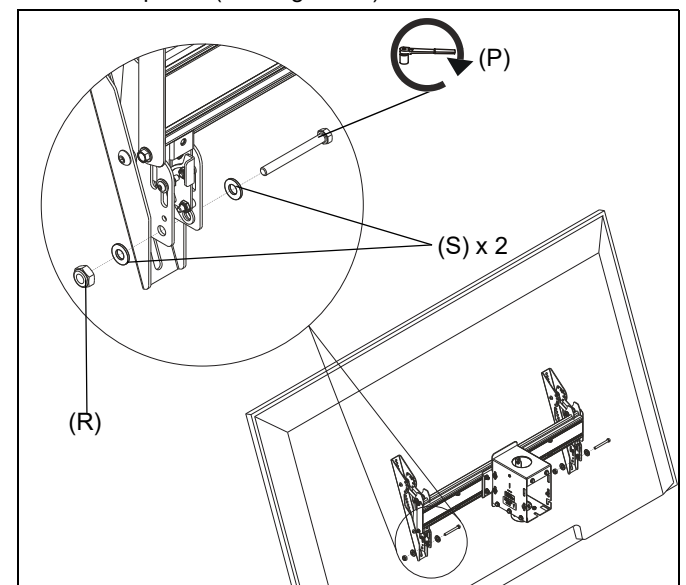


Figure 15



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<b>USA/International</b>	<b>A</b> 6436 City West Parkway, Eden Prairie, MN 55344 <b>P</b> 800.582.6480 / 952.225.6000 <b>F</b> 877.894.6918 / 952.894.6918
<b>Europe</b>	<b>A</b> Franklinstraat 14, 6003 DK Weert, Netherlands <b>P</b> +31 (0) 495 580 852 <b>F</b> +31 (0) 495 580 845
<b>Asia Pacific</b>	<b>A</b> Office No. 918 on 9/F, Shatin Galleria 18-24 Shan Mei Street Fotan, Shatin, Hong Kong <b>P</b> 852 2145 4099 <b>F</b> 852 2145 4477

