INSTALLATION INSTRUCTIONS
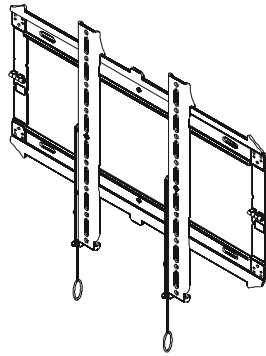
RMF2
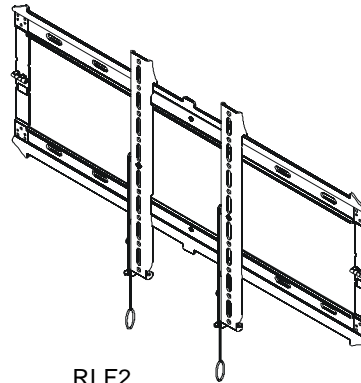
RLF2
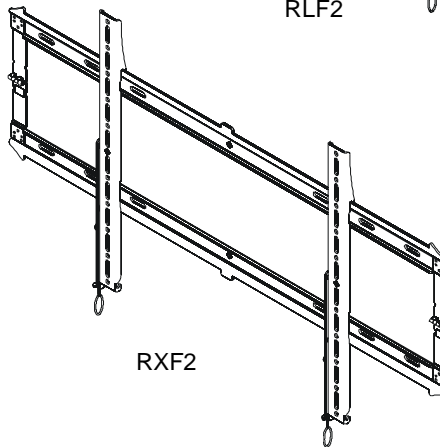
RXF2

Universal Fixed Mounts

Touchboards

CHIEF®
Our Mounts. **Your Vision.**

RMF2/RLF2/RXF2

DISCLAIMER

Milestone AV Technologies and its affiliated corporations and subsidiaries (collectively "Milestone"), intend to make this manual accurate and complete. However, Milestone makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without notice or obligation of any kind. Milestone makes no representation of warranty, expressed or implied, regarding the information contained herein. Milestone assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

Chief® is a registered trademark of Milestone AV Technologies. All rights reserved.

⚠ IMPORTANT SAFETY INSTRUCTIONS!

⚠ **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.

⚠ **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. The wall to which the mount is being attached may have a maximum drywall thickness of 5/8" (1.6cm). Do not install drywall anchors into the seam between drywall pieces.

⚠ **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 attached does not exceed 125 lbs (56.7 kg) for the RMF2 and RLF2 or 175 lbs (79.4 kg) for the RXF2. Use with products heavier than the maximum weight indicated may result in collapse of the mount and its accessories causing possible injury.

⚠ **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.
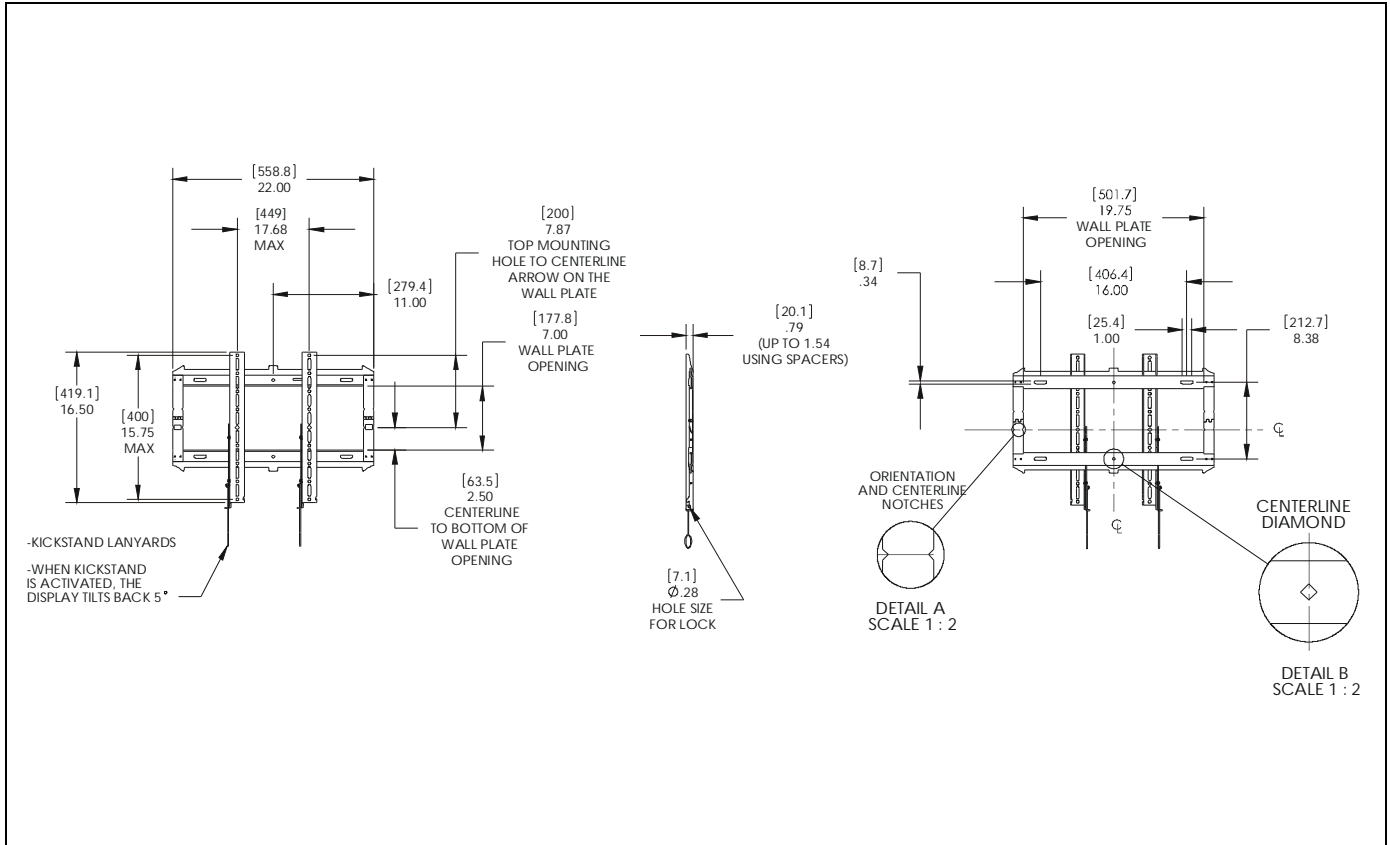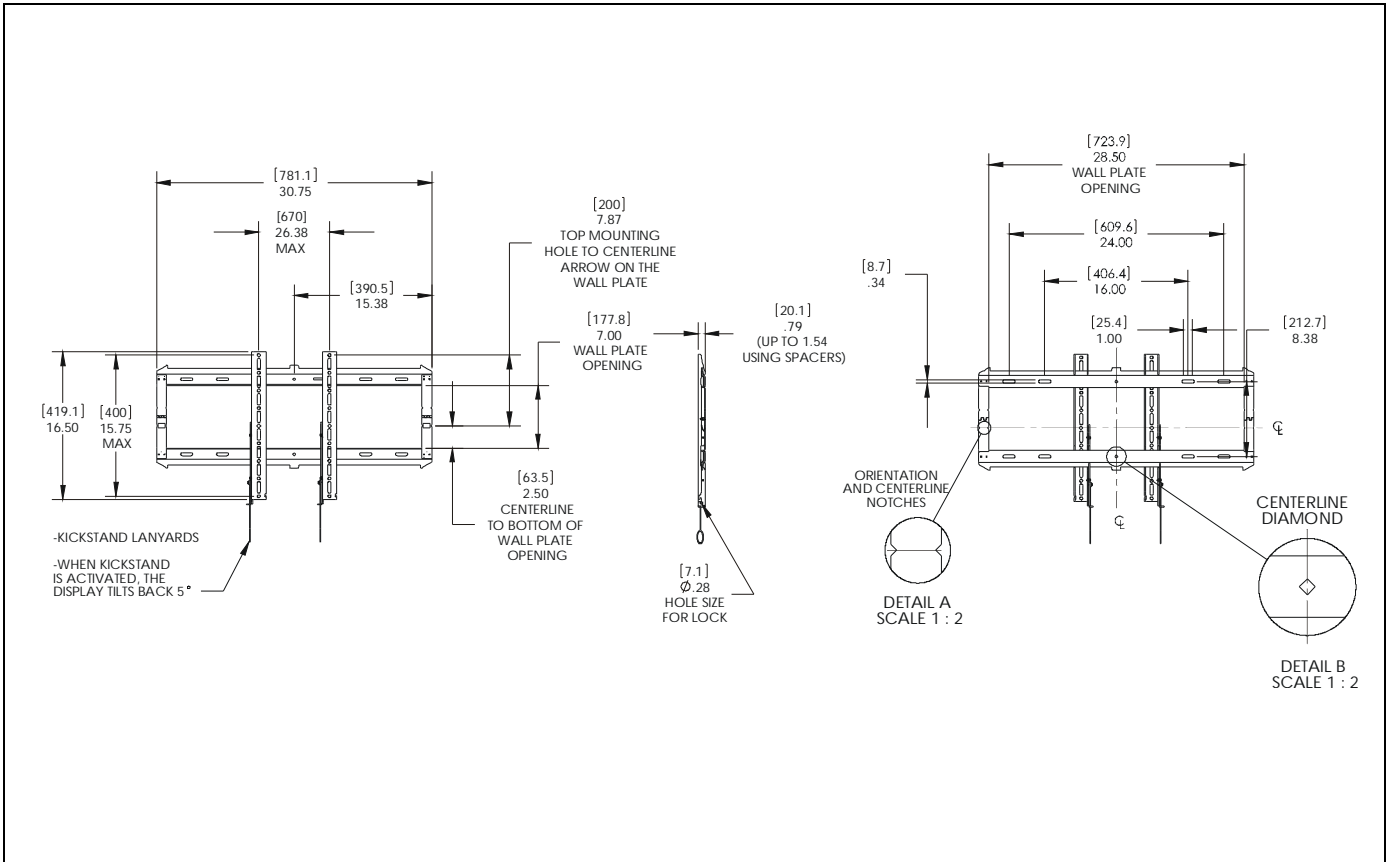
⚠ **WARNING:** Do not use this product outdoors.

IMPORTANT ! : The RMF2/RLF2/RXF2 mounts are designed to be mounted to an 8" concrete, 8"x8"x16" concrete block, or 2" x 4" wood studs (16" on center) wall.
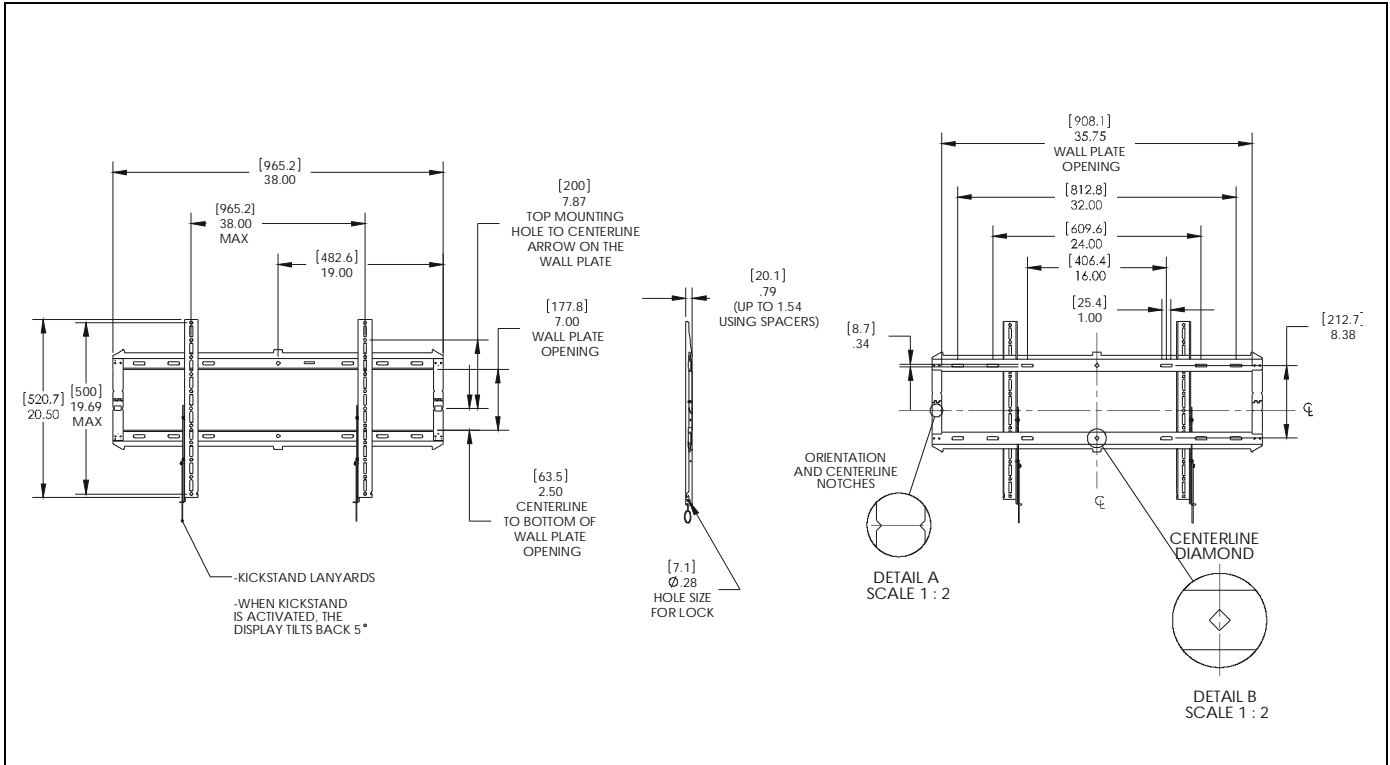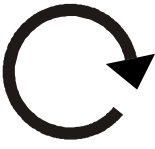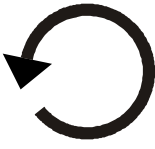
--SAVE THESE INSTRUCTIONS--

DIMENSIONS - RMF2

[558.8]
22.00

[449]
17.68
MAX

[279.4]
11.00

[200]
7.87
TOP MOUNTING
HOLE TO CENTERLINE
ARROW ON THE
WALL PLATE

[177.8]
7.00
WALL PLATE
OPENING

[419.1]
16.50

[400]
15.75
MAX

[20.1]
.79
(UP TO 1.54
USING SPACERS)

[63.5]
2.50
CENTERLINE
TO BOTTOM OF
WALL PLATE
OPENING

-KICKSTAND LANYARDS

-WHEN KICKSTAND
IS ACTIVATED, THE
DISPLAY TILTS BACK 5°

[7.1]
Ø.28
HOLE SIZE
FOR LOCK

[501.7]
19.75
WALL PLATE
OPENING

[8.7]
.34

[406.4]
16.00

[25.4]
1.00

[212.7]
8.38

ORIENTATION
AND CENTERLINE
NOTCHES

DETAIL A
SCALE 1 : 2

CENTERLINE
DIAMOND

DETAIL B
SCALE 1 : 2

DIMENSIONS - RLF2

[781.1]
30.75

[670]
26.38
MAX

[390.5]
15.38

[200]
7.87
TOP MOUNTING
HOLE TO CENTERLINE
ARROW ON THE
WALL PLATE

[177.8]
7.00
WALL PLATE
OPENING

[20.1]
.79
(UP TO 1.54
USING SPACERS)

[419.1]
16.50

[400]
15.75
MAX

[63.5]
2.50
CENTERLINE
TO BOTTOM OF
WALL PLATE
OPENING

-KICKSTAND LANYARDS

-WHEN KICKSTAND
IS ACTIVATED, THE
DISPLAY TILTS BACK 5°

[7.1]
Ø.28
HOLE SIZE
FOR LOCK

[723.9]
28.50
WALL PLATE
OPENING

[609.6]
24.00

[8.7]
.34

[406.4]
16.00

[25.4]
1.00

[212.7]
8.38

ORIENTATION
AND CENTERLINE
NOTCHES

DETAIL A
SCALE 1 : 2

CENTERLINE
DIAMOND

DETAIL B
SCALE 1 : 2

DIMENSIONS - RXF2

[965.2]
38.00

[965.2]
38.00
MAX

[482.6]
19.00

[200]
7.87
TOP MOUNTING
HOLE TO CENTERLINE
ARROW ON THE
WALL PLATE

[20.1]
.79
(UP TO 1.54
USING SPACERS)

[177.8]
7.00
WALL PLATE
OPENING

[520.7]
20.50

[500]
19.69
MAX

[8.7]
.34

[908.1]
35.75
WALL PLATE
OPENING

[812.8]
32.00

[609.6]
24.00

[406.4]
16.00

[25.4]
1.00

[212.7]
8.38

[63.5]
2.50
CENTERLINE
TO BOTTOM OF
WALL PLATE
OPENING

-KICKSTAND LANYARDS

-WHEN KICKSTAND
IS ACTIVATED, THE
DISPLAY TILTS BACK 5°

[7.1]
Ø.28
HOLE SIZE
FOR LOCK

ORIENTATION
AND CENTERLINE
NOTCHES

DETAIL A
SCALE 1 : 2

CENTERLINE
DIAMOND

DETAIL B
SCALE 1 : 2

LEGEND

	Tighten Fastener
	Apretar elemento de fijación
	Befestigungsteil festziehen
	Apertar fixador
	Serrare il fissaggio
	Bevestiging vastdraaien
	Serrez les fixations

	Pencil Mark
	Marcar con lápiz
	Stiftmarkierung
	Marcar com lápis
	Segno a matita
	Potloodmerkteken
	Marquage au crayon

	Loosen Fastener
	Aflojar elemento de fijación
	Befestigungsteil lösen
	Desapertar fixador
	Allentare il fissaggio
	Bevestiging losdraaien
	Desserrez les fixations

	Drill Hole
	Perforar
	Bohrloch
	Fazer furo
	Praticare un foro
	Gat boren
	Percez un trou

	Phillips Screwdriver
	Destornillador Phillips
	Kreuzschlitzschraubendreher
	Chave de fendas Phillips
	Cacciavite a stella
	Kruiskopschroevendraaier
	Tournevis à pointe cruciforme

	Adjust
	Ajustar
	Einstellen
	Ajustar
	Regolare
	Afstellen
	Ajuster

	Open-Ended Wrench
	Llave de boca
	Gabelschlüssel
	Chave de bocas
	Chiave a punte aperte
	Steeksleutel
	Clé à fourche

	Remove
	Quitar
	Entfernen
	Remover
	Rimuovere
	Verwijderen
	Retirez

	By Hand
	A mano
	Von Hand
	Com a mão
	A mano
	Met de hand
	À la main

	Optional
	Opcional
	Optional
	Opcional
	Opzionale
	Optie
	En option

	Hex-Head Wrench
	Llave de cabeza hexagonal
	Sechskantschlüssel
	Chave de cabeça sextavada
	Chiave esagonale
	Zeskantsleutel
	Clé à tête hexagonale

	Security Wrench
	Llave de seguridad
	Sicherheitsschlüssel
	Chave de segurança
	Chiave di sicurezza
	Veiligheidssleutel
	Clé de sécurité

TOOLS REQUIRED FOR INSTALLATION

7/32" (5.5mm)
5/16" (7.9mm)

1/2" (12.7mm)

#2

1 2 3 4 5

PARTS

A(1)
[wall plate]
[RLF2 shown]

B(2)
[vertical bracket]
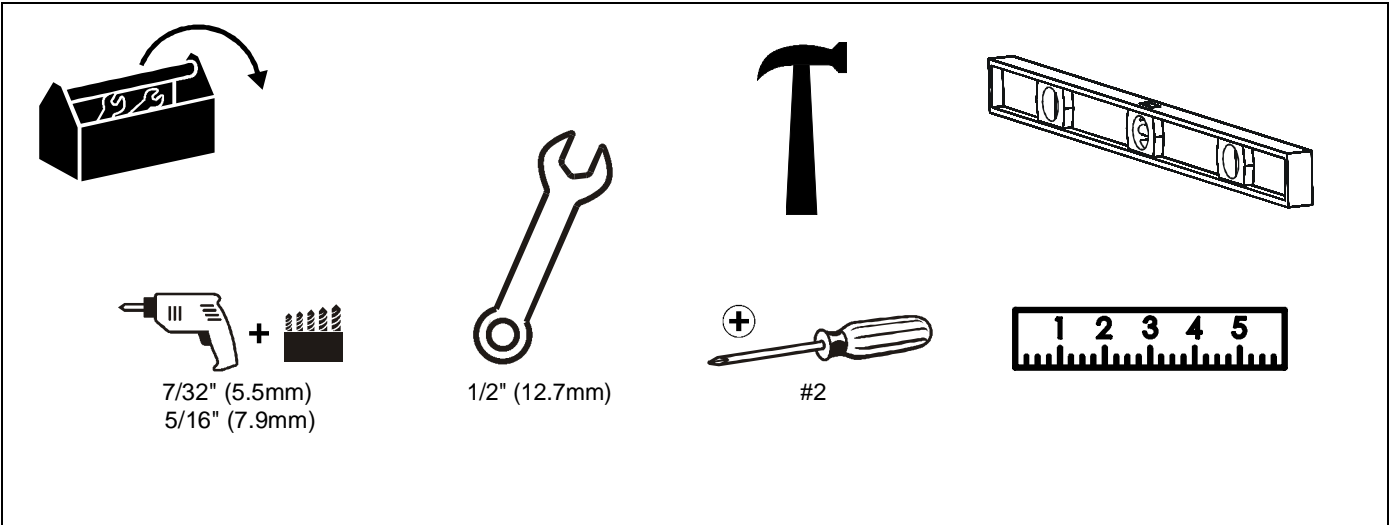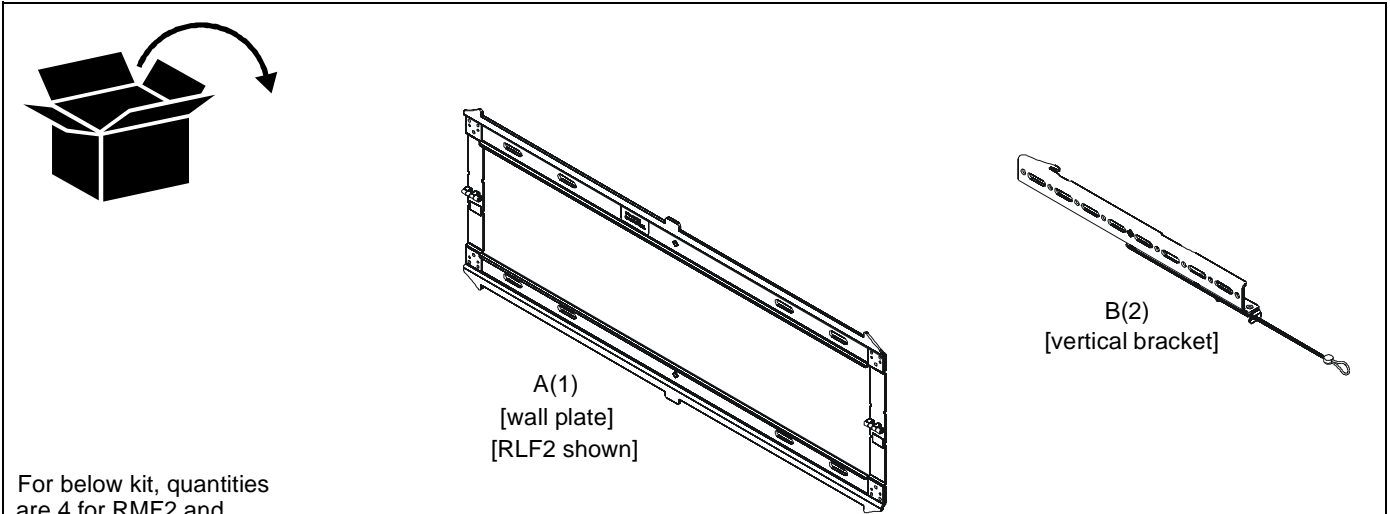
For below kit, quantities are 4 for RMF2 and RLF2, 6 for RXF2

C(4 or 6)
5/16 x 2 1/2"

D(4 or 6)
5/16"

E(4 or 6)
[concrete anchor]

F (1)
Hardware Bag

FA(8)
M4 x 16mm

FE(6)
M5 x 16mm

FI(6)
M6 x 16mm

FL(6)
M8 x 20mm

FP(8)
1/4"(6.4mm)

FB(6)
M4 x 20mm

FF(6)
M5 x 20mm

FJ(6)
M6 x 25mm

FM(6)
M8 x 30mm

FQ(8)
1/2"(12.7mm)

FC(6)
M4 x 25mm

FG(6)
M5 x 25mm

FK(6)
M6 x 35mm

FN(6)
M8 x 40mm

FD(6)
M4 x 35mm

FH(6)
M5 x 35mm

FO(6)
M8 x 50mm

FS(8)
[universal washer]

6

Assembly And Installation

Install Wall Plate to Wall - Wood Studs

⚠️ **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. The wall to which the mount is being attached may have a maximum drywall thickness of 5/8" (1.6cm). Do not install drywall anchors into the seam between drywall pieces.

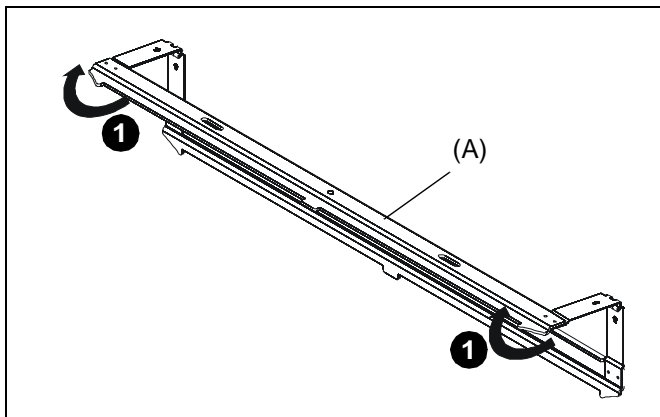1. Unfold wall plate (A) to prepare it for mounting to wall. (See Figure 1)

Figure 1

2. Level wall plate (A) and mark locations of pilot holes.(See Figure 2)

NOTE: The RMF2 must be installed on two 16" studs. The RLF2 can be installed on 16" studs (inner holes) or 24" studs (outer holes). For the RXF2, it can be mounted over two or three 16" studs or two 24" studs. If mounting to three 16" studs, it must be mounted to all three studs using the outer holes and center holes. (See Figures 2 and 3) All studs must be 2"x4".

NOTE: The vertical center of the display will be even with the center line indicated on the labels located directly below each hinge. Keep this in mind when determining mounting location. (See Figure 3)

3. Drill 7/32" (5.5mm) diameter pilot holes into wood studs at marked locations. (See Figure 2)
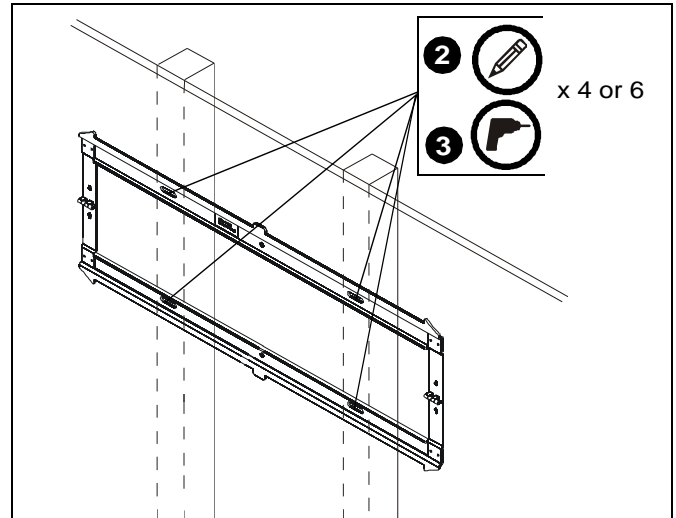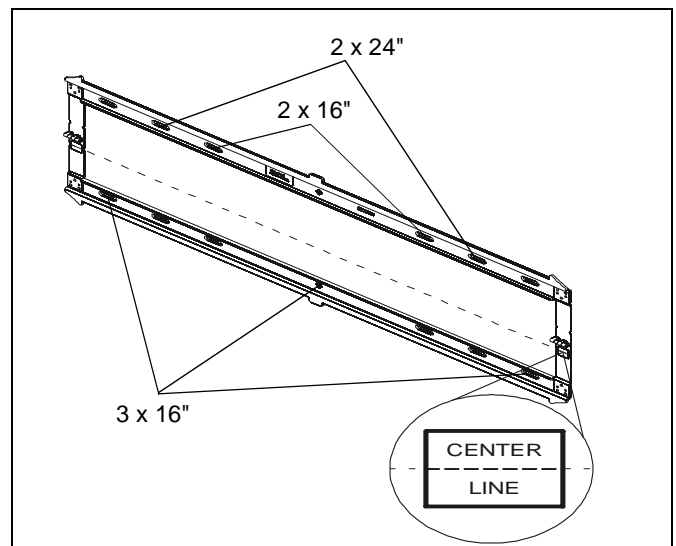

Figure 2

Figure 3

4. Install 5/16 x 2 1/2" hex head cap screws (C) through four flat washers (D), wall plate (A) and into wood studs. (See Figure 4)
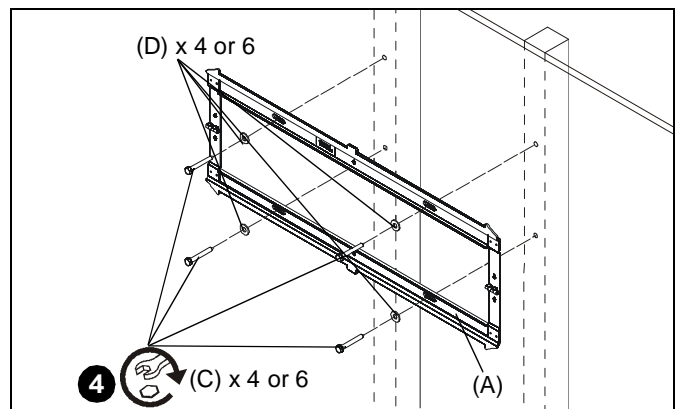

Figure 4

Install Wall Plate to Wall - Concrete or Concrete Block

⚠ **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. The wall to which the mount is being attached may have a maximum drywall thickness of 5/8" (1.6cm).

⚠ **WARNING:** ELECTRICAL SHOCK HAZARD! CUTTING OR DRILLING INTO ELECTRICAL CORDS OR CABLES CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY! ALWAYS make certain area behind mounting surface is free of electrical wires and cables before drilling or installing fasteners.

⚠ **WARNING:** EXPLOSION AND FIRE HAZARD! CUTTING OR DRILLING INTO GAS PLUMBING CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY! ALWAYS make certain area behind mounting surface is free of gas, water, waste, or any other plumbing before cutting, drilling, or installing fasteners.

1. Unfold wall plate (A) to prepare it for mounting to wall. (See Figure 1)

2. Level wall plate (A) and mark locations of pilot holes at desired mounting location. (See Figure 5)

IMPORTANT ! : The RMF2-RLF2-RXF2 mounts are designed to be mounted to 8" concrete or 8"x8"x16" concrete block.

NOTE: For the RLF2, either the inner or outer four holes may be used.

NOTE: For the RXF2, use the outer four holes and the two middle holes on wall plate for installation.

NOTE: The vertical center of the display will be even with the center line indicated on the labels located directly below each hinge. Keep this in mind when determining mounting location. (See Figure 5)
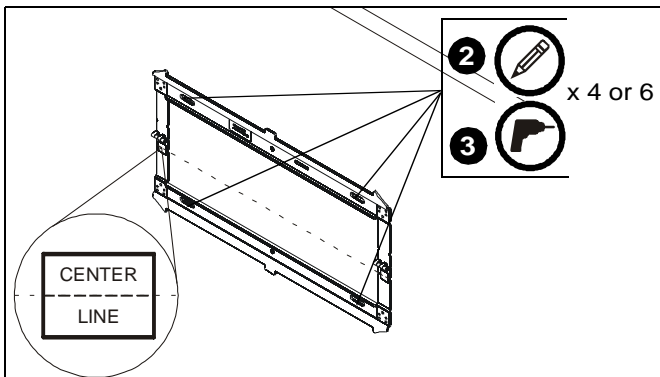

Figure 5

3. Drill 5/16" (8mm) diameter pilot holes into wall at marked locations. Holes must be drilled at least 3 1/4 inches deep. (See Figure 5)

4. Install four or six concrete anchors (E) into drilled holes. Use a hammer to tap anchors into holes. (See Figures 6 and 7)

IMPORTANT ! : The anchors must be installed through any wall covering until flush with the concrete wall. (See Figure 6)
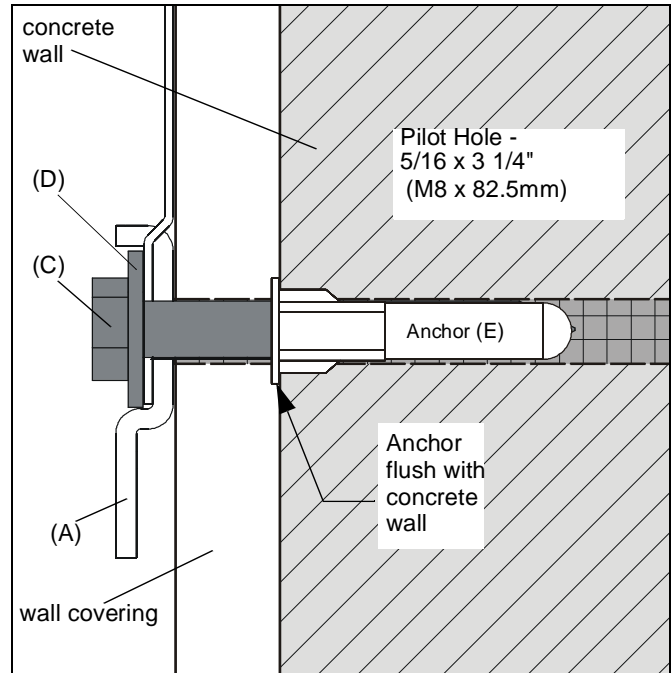

Figure 6

5. Using 1/2" (12.7mm) wrench, install screws (C) through flat washers (D), wall plate (A) and into concrete anchors (E). (See Figure 7)
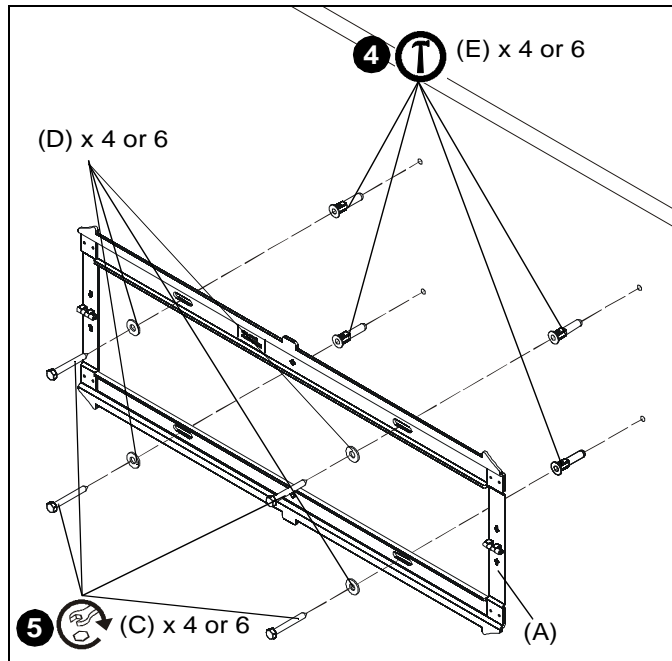

Figure 7

Install Brackets to Display

⚠️ **WARNING:** The minimum hole pattern size is 100mm x 100mm for the RMF2 and 200mm x 200mm for the RLF2 and the RXF2.

1. Lay display face down on protective surface.

⚠️ **CAUTION:** Using screws of improper diameter may damage your display! Proper screws will easily thread into display mounting holes.

2. Select screw *diameter* by examining hardware (FA-FO) (8mm, 6mm, 5mm, or 4mm) and comparing with mounting holes on display. (See Figure 8)

3. Select spacers: (See Figure 8)

   • If mounting holes are not recessed and both brackets (B) can lay flat against display, then no spacers are required.

   • If mounting holes are recessed, or if protrusions prevent brackets (B) from laying flat, then spacers (FP or FQ) must be used.

   • If additional depth is needed behind display, spacers (FP and FQ) can be stacked on top of each other.

⚠️ **CAUTION:** Using screws of improper length may damage your display! Proper screws will have adequate thread engagement without contacting bottom of display mounting holes.

4. Select screw *length:* (See Figure 8)

   • Using your hand, insert SHORTEST length screw of selected diameter (FA, FE, FI or FL) through bracket (B), universal washer (FS), selected spacer (FP or FQ, if required), into display mounting hole. Do NOT thread screw into hole at this time.

   • Proper screw length requires base of screw head to protrude above flat washer a *distance equal to or greater than the screw diameter.* If screw length is inadequate, select longer screw. Select *shortest* screw which will protrude the required distance.

5. Place brackets (B) on display, ensuring: (See Figure 8)

   • Upper hooks are towards *top* of display.

   • Center of brackets (B) are as close to the center of the back of display as possible after being installed. Center of bracket is indicated by the diamond-shaped hole.

6. Using Phillips screwdriver, carefully install selected screws through universal washers (FS), brackets (B), and spacers (FP or FQ, if required), into display. (See Figure 8)

7. Tighten all screws. Ensure all applicable display mounting holes (4, 6, or 8) are used.
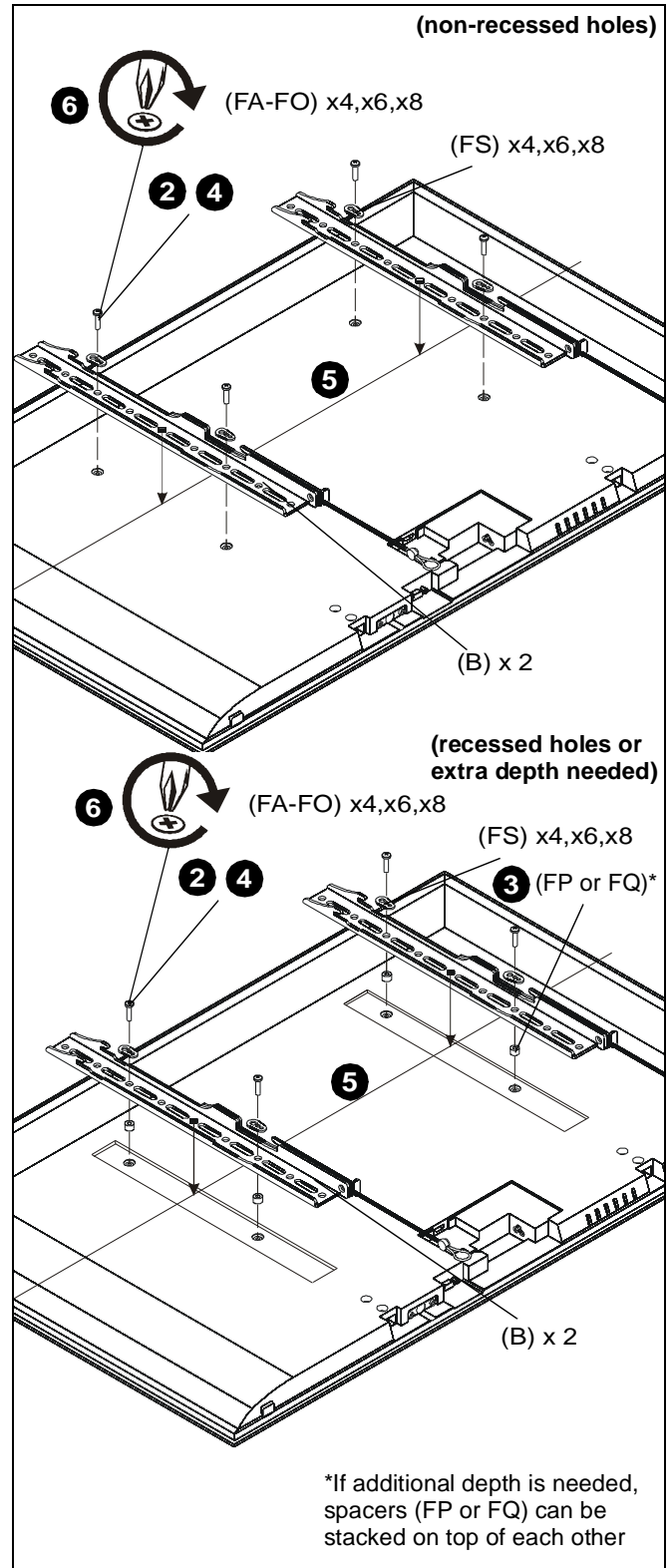

Figure 8

Install Display to Wall Plate

⚠️ **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 attached does not exceed 125 lbs (56.7 kg) for the RMF2 and RLF2 or 175 lbs (79.4 kg) for the RXF2. Use with products heavier than the maximum weight indicated may result in collapse of the mount and its accessories causing possible injury.

⚠️ **WARNING:** Display may be very heavy! Ensure display can be safely lifted and maneuvered as required to install on wall plate. Failure to take adequate precautions can result in serious personal injury or damage to equipment!

⚠️ **WARNING:** Interface brackets must be hung on opposite sides of the center tab on wall plate! (See Figure 9)
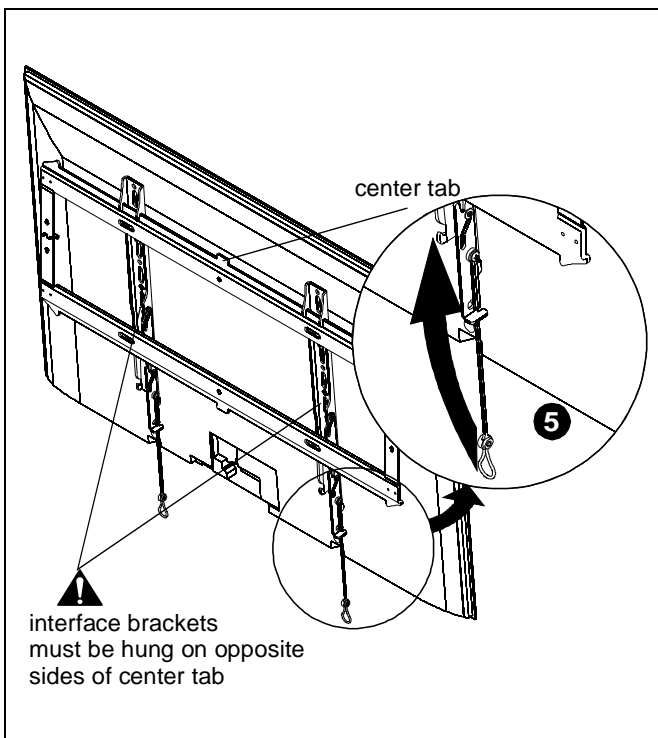

Figure 9

1. Make sure interface brackets are in the kickstand position by pulling down on handles as far as possible. (See Figure 10)

2. Hang display with brackets (B) on upper rail of wall plate (A). Kickstand should be engaged with lower portion of wall plate. (See Figure 10)
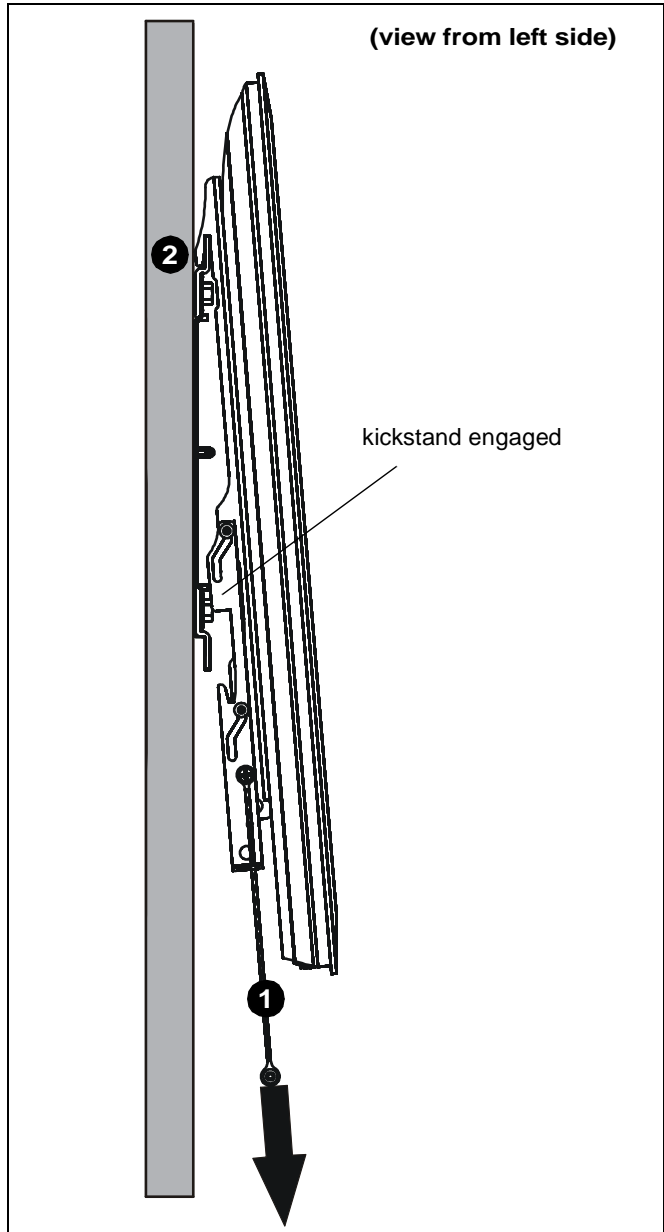

Figure 10

NOTE: Any cable management or rear display adjustments should be made when the display is resting on the kickstand.

(views from left side)
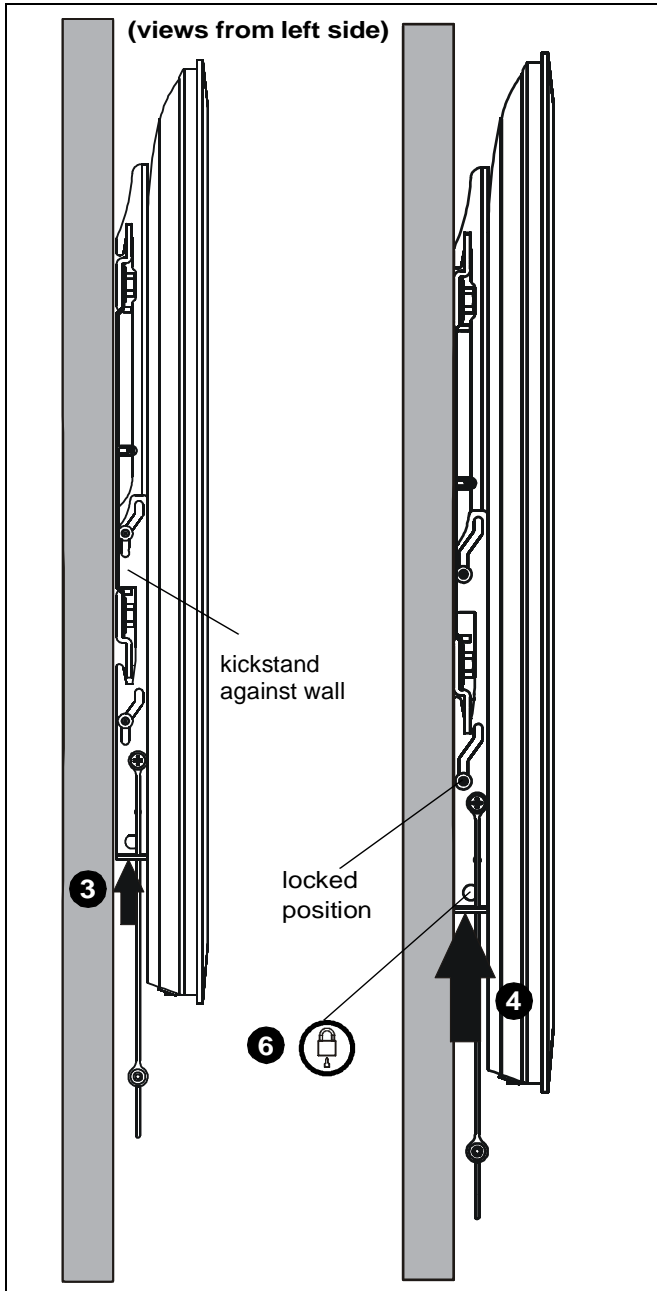
kickstand
against wall

locked
position

Figure 11

3. Unlock kickstand by pushing up on interface brackets until kickstand rests against the wall. (See Figure 11)

4. Push up on the interface brackets further in order to lock display into position against wall. (See Figure 11)

5. Straps can be tucked behind display on notch on interface brackets (B) after installation is complete so that they will not be visable to the viewer. (See Figure 9)

6. (Optional) Route padlock or cable lock (not included) through bottom holes on interface bracket to provide additional security. (See Figure 11)

Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

USA/International	A	6436 City West Parkway, Eden Prairie, MN 55344
	P	800.582.6480 / 952.225.6000
	F	877.894.6918 / 952.894.6918
Europe	A	Franklinstraat 14, 6003 DK Weert, Netherlands
	P	+31 (0) 495 580 852
	F	+31 (0) 495 580 845
Asia Pacific	A	Office No. 1 on 12/F, Shatin Galleria
		18-24 Shan Mei Street
		Fotan, Shatin, Hong Kong
	P	852 2145 4099
	F	852 2145 4477

30% POST-CONSUMER CONTENT