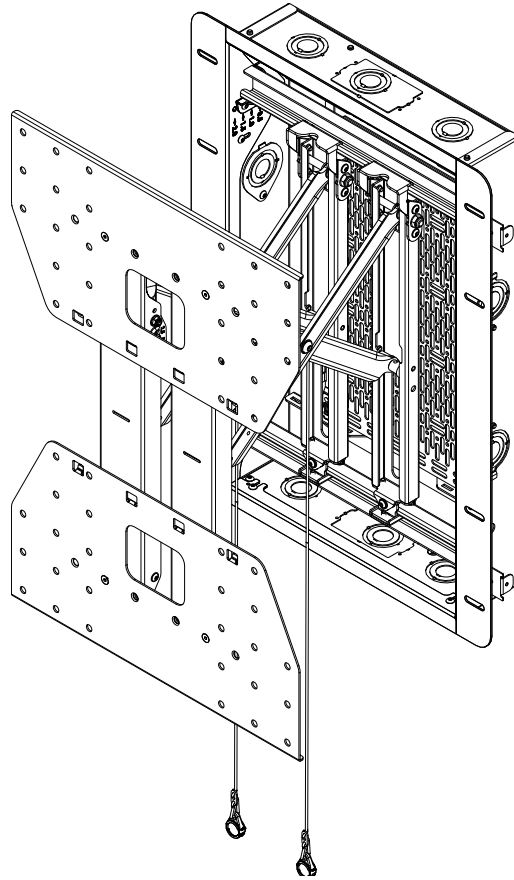

INSTALLATION INSTRUCTIONS



Tempo™ Flat Panel In-Wall Single-Box Flange Mount Storage Kit

CHIEF®

A brand of  legrand®

FPIWSBMKIT2

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 mounting systems are properly assembled and installed using the instructions provided.



WARNING: Failure to provide adequate structural strength for this mounting system can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this mounting system is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the mounting system. The wall to which the mounting system is being attached may have a maximum drywall thickness of 1 1/4" (3.2cm). Do not install drywall anchors into the seam between drywall pieces.

IMPORTANT ! : The FPIWSBMKIT2 mounting system is designed to be installed with UL-listed FPIWSBMKIT1 (not included) mounted to a 25 ga minimum steel stud wall or a 2" x 4" wood stud wall with 16" on-center studs. FPIWSBMKIT2 cannot be used as a standalone mounting system and does not have an independent weight capacity when used outside of this configuration.



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 to the combined FPIWSBMKIT1 and FPIWSBMKIT2 mounting system does not exceed 120 lbs (54.4 kg) total:

- The combined weight of all components attached to the **interface brackets** must not exceed **100 lbs (45.4 kg)**
- The combined weight of all components attached each **storage panel** must not exceed **20 lbs (9.1 kg)**



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 mounting system outdoors.



WARNING: Do not install this mounting system in a firewall. Contact your local building inspector before cutting into the drywall if unsure.



CAUTION: The FPIWSBMKIT2 mounting system is designed to be mounted to:

- a 25 ga minimum steel stud wall (16" on-center studs only) covered with drywall having a maximum thickness of 1 1/4" and minimum of 1/2";
- a 2" x 4" wood stud wall (16" on-center studs only) covered by drywall having a maximum thickness of 1 1/4" and minimum of 1/2"



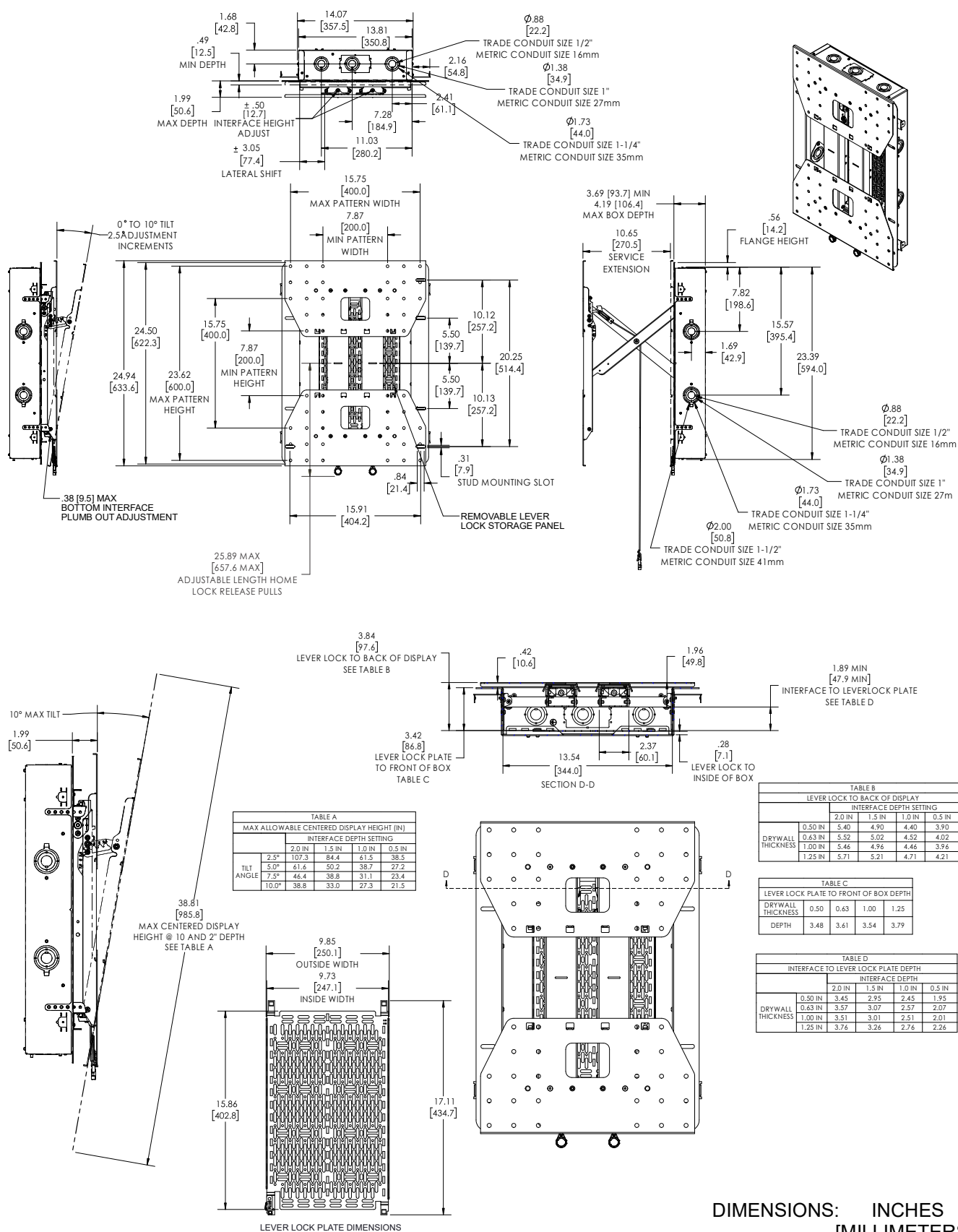
CAUTION: The FPIWSBMKIT2 mounting system is only compatible with 16" on-center stud walls.

NOTES:

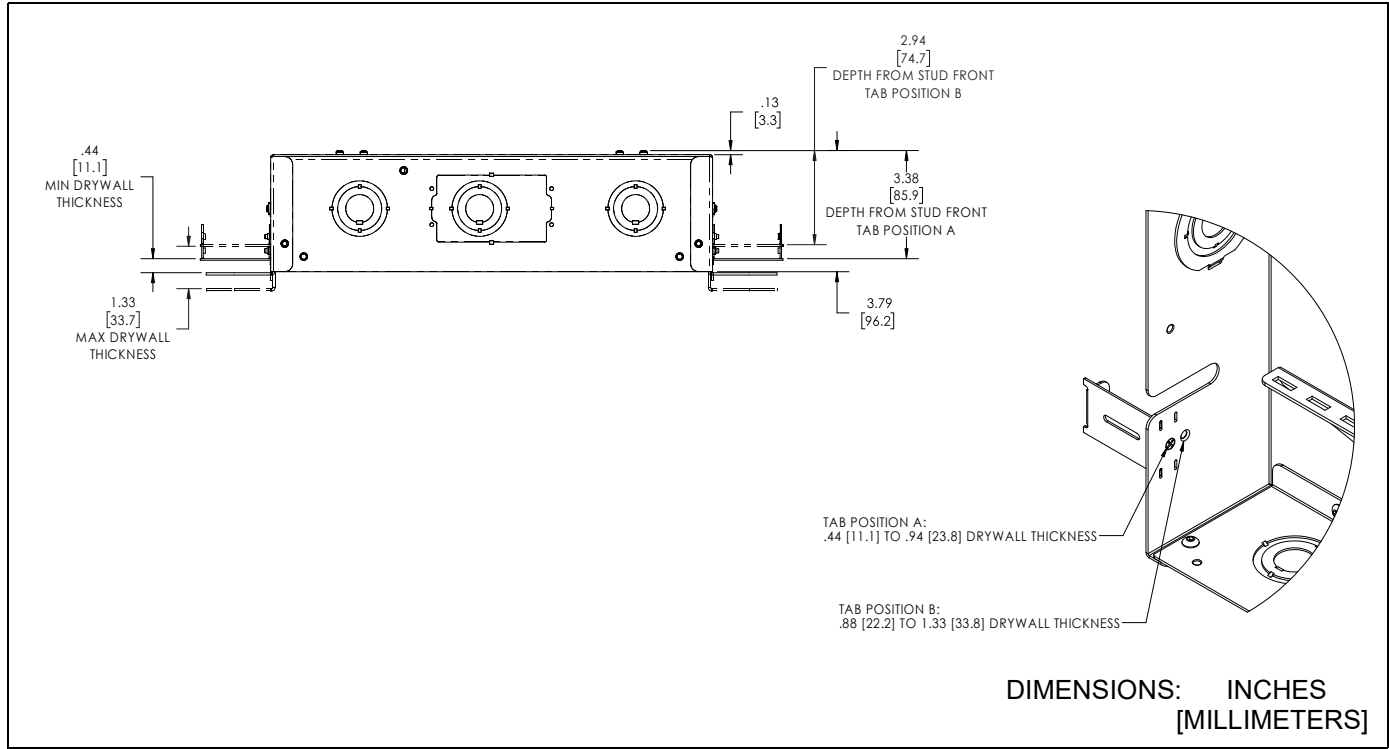
- It is the installer's responsibility to ensure that the enclosure is bonded to the ground in the switch box, in accordance with the National Electric Code, ANSI/NFPA 70 or Canadian Electrical Code, CSA C22.1. A green grounding screw is provided in the enclosure for the purpose, if required.
- The equipment shall be installed and assembled by qualified service personnel.
- Spacings - To ensure safe operation of the equipment installed in the enclosure, per National Electric Code ANSI/NFPA 70, a minimum separation between power cords and signal or communication cables may be required.

--SAVE THESE INSTRUCTIONS--

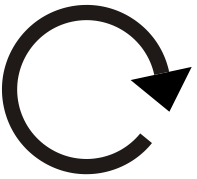
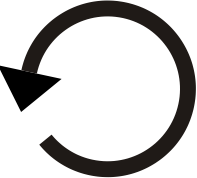
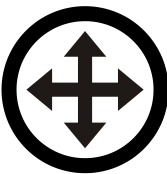
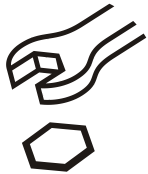
DIMENSIONS



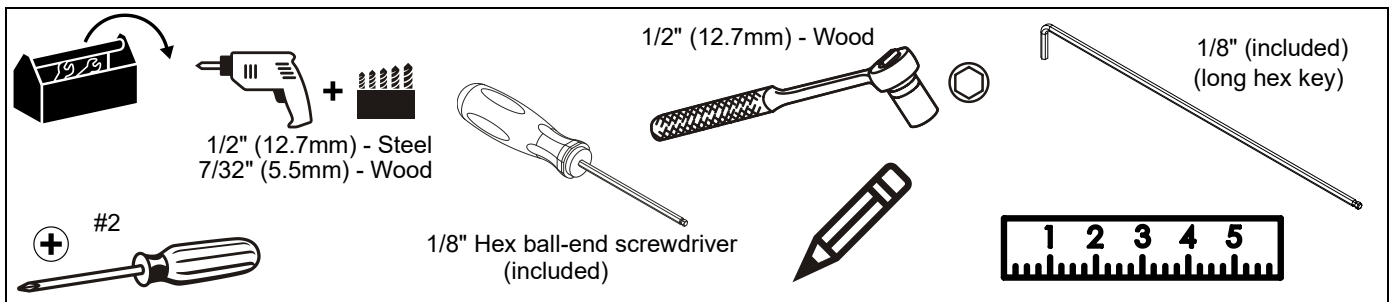
DIMENSIONS (CONTINUED)



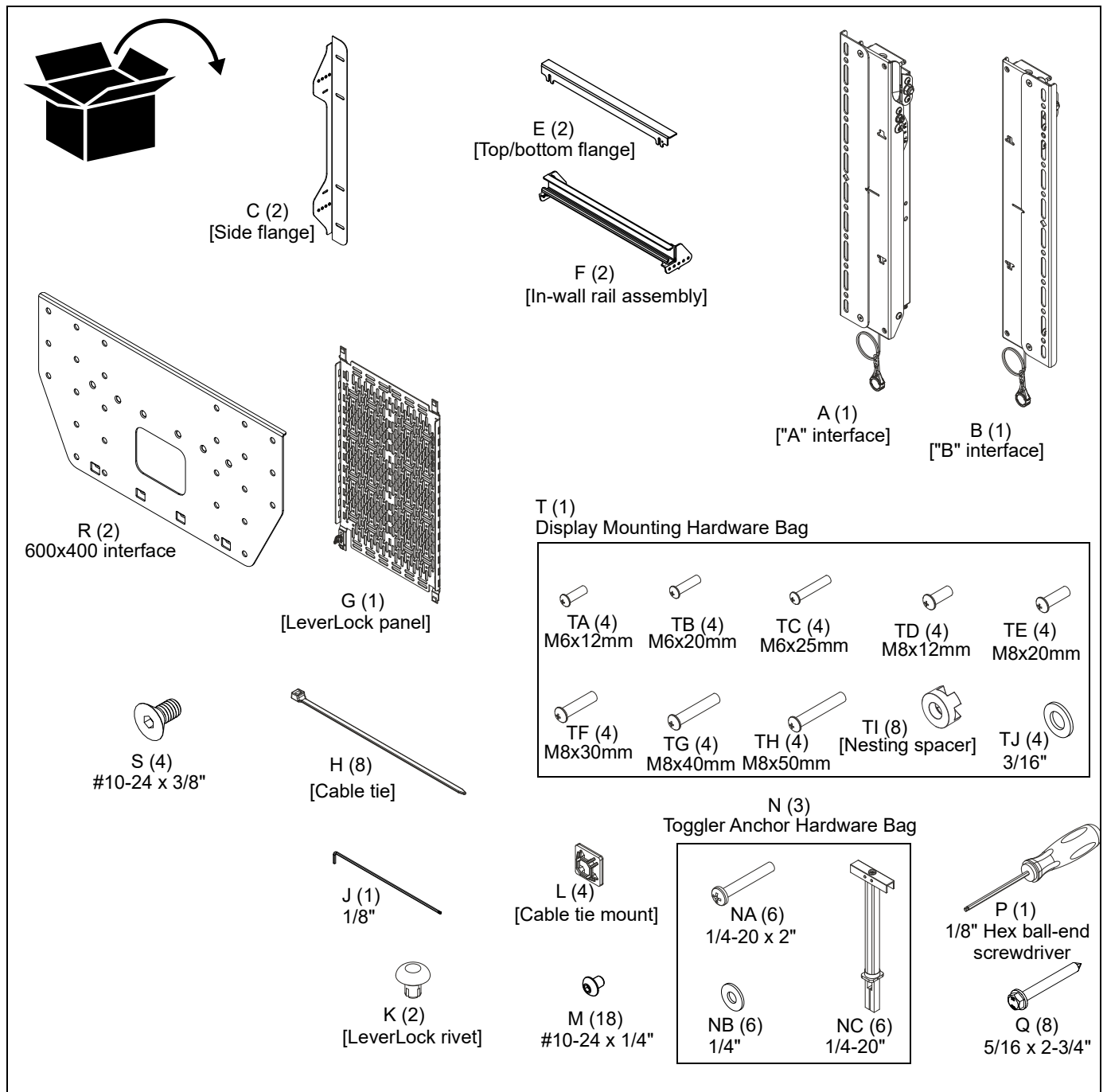
LEGEND

	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



PARTS



Site Requirements For Steel Stud Wall

⚠ WARNING: IMPROPER INSTALLATION CAN LEAD TO EQUIPMENT FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! The figure below identifies the minimum requirements for installation of display mounts onto a steel stud structure. If the structure or its components do not meet these requirements contact the mount manufacturer for specific instructions before attempting installation. It should also be noted that no other equipment should be mounted to the same stud.

⚠ If back side of wall is unfinished, drywall must be installed to a minimum of one stud left and right of the stud(s) being used to install the mount. Drywall must be secured to studs with screws 12" on center

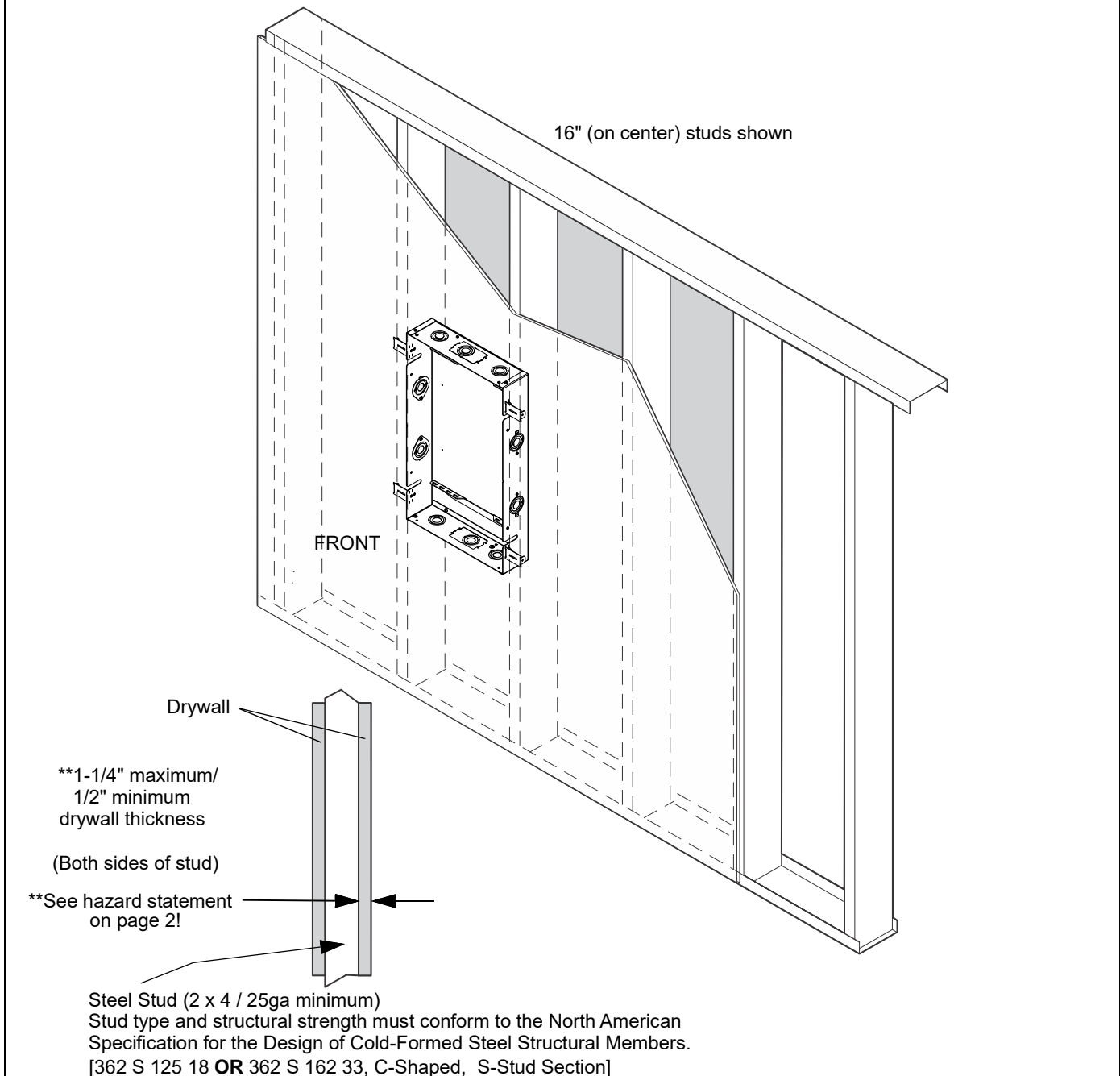


Figure 1

Installation - New Construction

IMPORTANT ! : Prior to installing FPIWSBMKIT2, FPIWSBMKIT1 must be installed to wall along with the drywall being completed around the boxes. For existing construction installation, proceed to **Installation to Wall - Existing Construction Section**.

NOTE: Remove Temporary Cover (if used) from box prior to mount installation.

1. Use two #10-24 x 1/4" button head cap screws (M) to secure each side flange (C) to installed box. Do not tighten screws at this point. (See Figure 2)

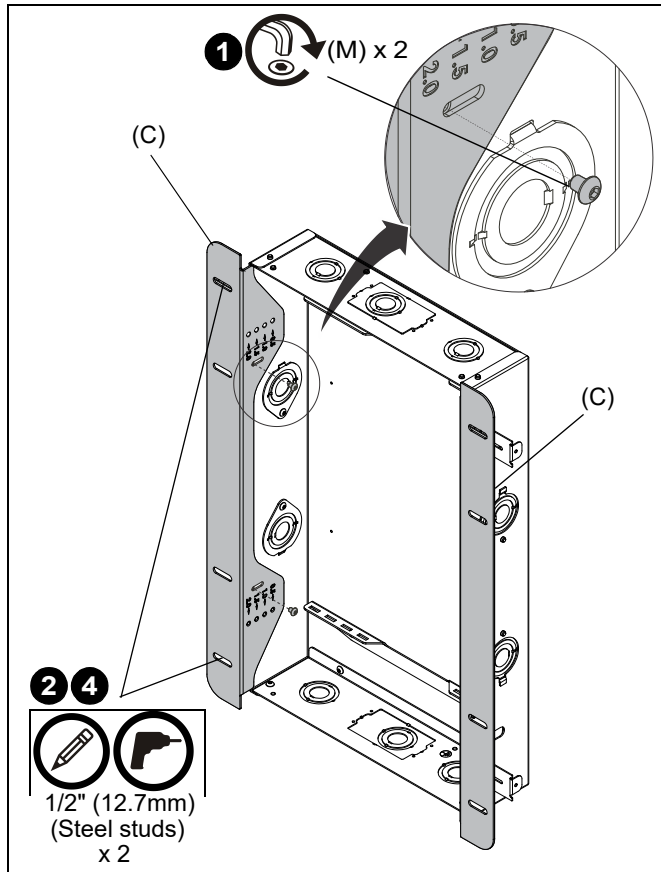


Figure 2

2. Mark anchor holes on studs at the top and bottom slots in each flange.
 3. Remove flanges installed in Step 1 by uninstalling screws.
 4. Drill a hole at each marked location. (See Figure 2)
- Wood:** 7/32" (5.5mm) **Steel:** 1/2" (12.7mm)

Steel Stud Anchor Installation

NOTE: Skip ahead to **Step 10** if installing to wood studs.

5. Slide anchors (NC) into drilled holes. (See Figure 3)
6. Holding plastic straps on anchor (NC), pull anchor away from wall until channel rests flush behind wall making sure anchor channel is positioned vertically on stud. (See Figure 3)

7. Slide plastic cap on anchor (NC) towards wall until flange of cap is flush with wall. (See Figure 3)

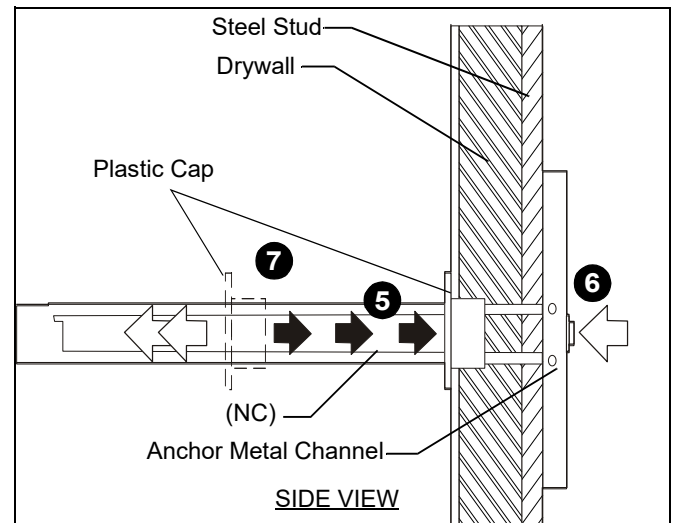


Figure 3

8. Snap off plastic straps on anchor at wall by pushing side to side, snapping off straps level with flange of plastic cap. (See Figure 4)
9. Repeat Steps 5 through 8 for each mounting hole.

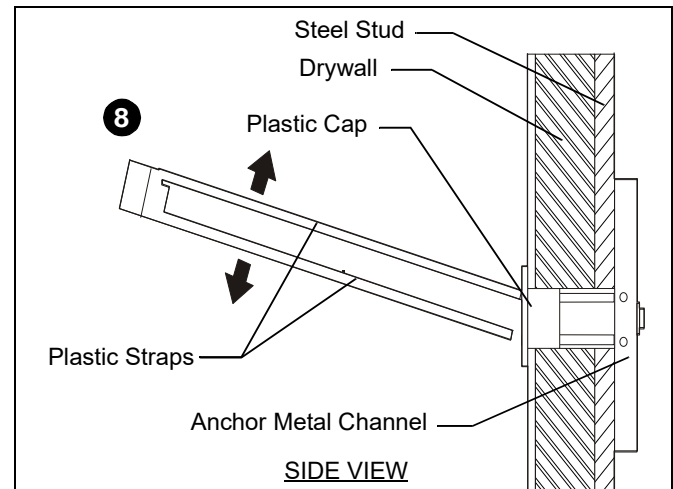


Figure 4

Finishing Installation

10. Place flange (C or D) over anchors and align mounting holes in display mount with holes in anchors. Loosely use two #10-24 x 1/4" button head cap screws (M) to secure each side flange (C) to installed boxes. (See Figure 5)

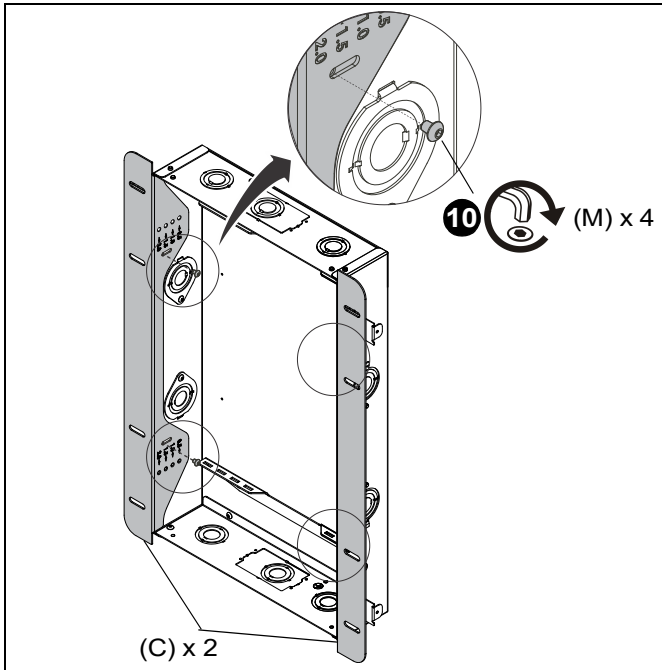


Figure 5

11. Loosely install four #10-24 x 1/4" button head cap screws (M) into open holes in each corner of boxes. (See Figure 6)
12. Slide two top/bottom flanges (E) under screws installed in Step 11 at top and bottom of each box. (See Figure 7)

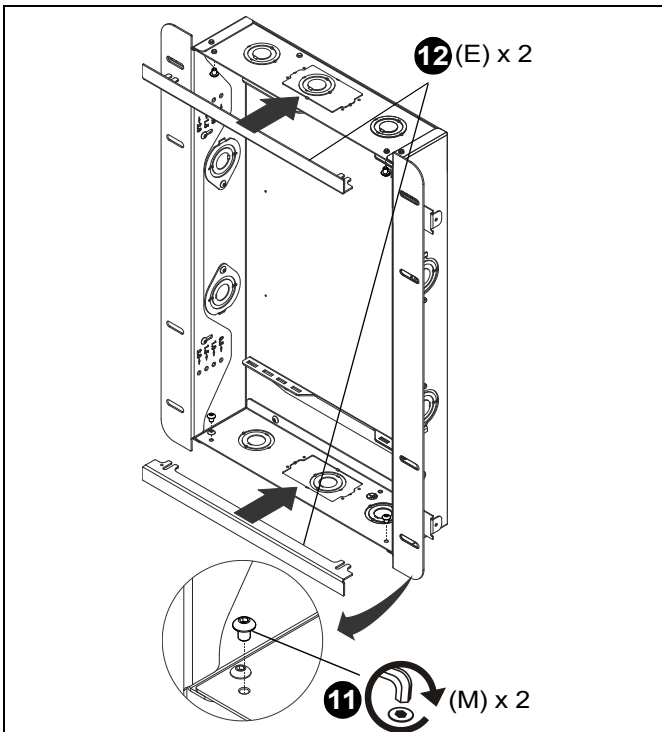


Figure 6

13. **Steel studs:** Use two 1/4-20 x 2" Phillips pan machine screws (NA) and two 1/4" washers (NB) to secure each flange to studs. (See Figure 7)
14. **Wood studs:** Use two 5/16 x 2-3/4" lag bolts (Q) to secure each flange to studs. (See Figure 7)

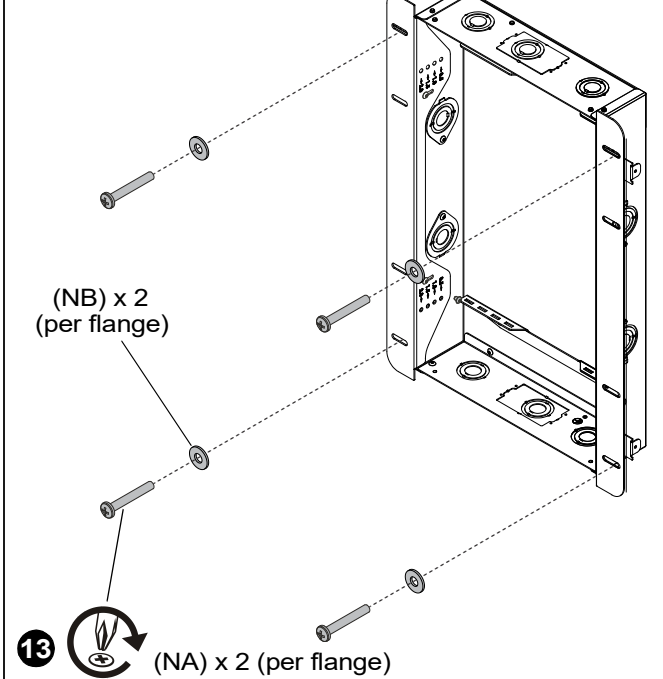
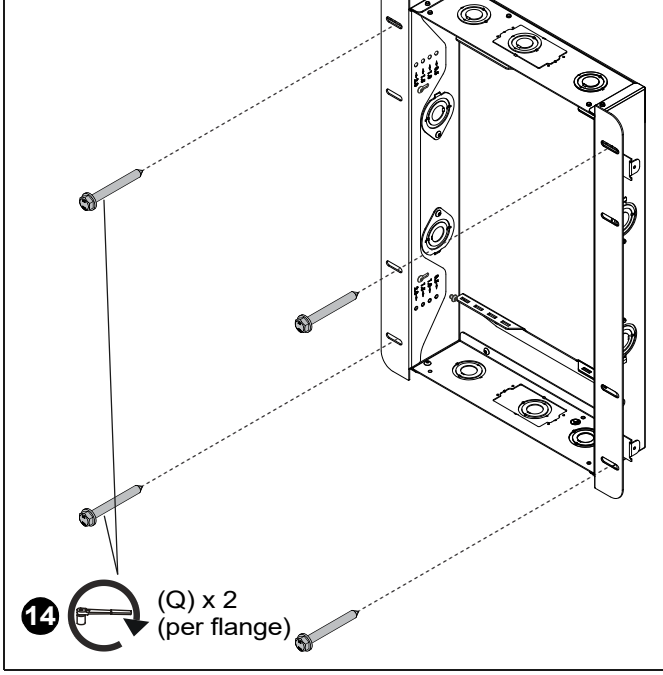
Steel Studs:**Wood Studs:**

Figure 7

15. Tighten all screws (M) to secure top/bottom flanges (E) and side flanges (C), making sure all flange edges are lined up. (See Figure 8)

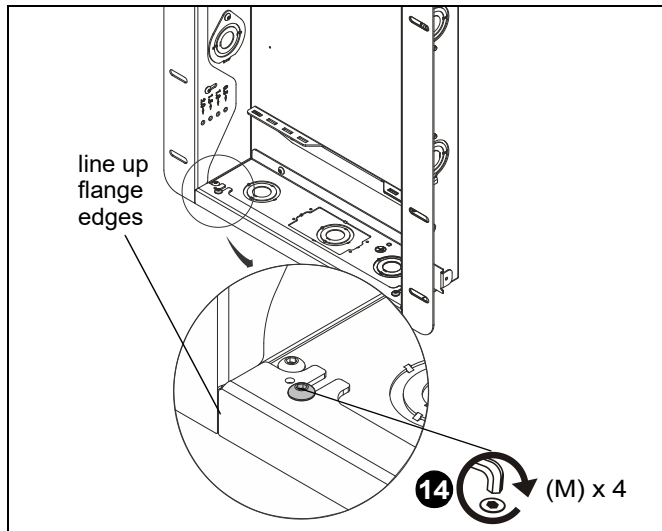


Figure 8

16. Proceed to **Install LeverLock Panels Section**.

Installation to Wall - Existing Construction



WARNING: IMPROPER INSTALLATION CAN RESULT IN DEATH OR SERIOUS PERSONAL INJURY! This mounting system should be installed by qualified personnel.



WARNING: ELECTRICAL SHOCK HAZARD! CUTTING OR DRILLING INTO ELECTRICAL WIRES OR CABLES CAN CAUSE DEATH OR SERIOUS PERSONAL INJURY! ALWAYS make certain area behind mounting surfaces is free of electrical wires and cables before cutting, 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 surfaces is free of gas, water, waste, or any other plumbing before cutting, drilling, or installing fasteners.

IMPORTANT ! : Consult a qualified building contractor to follow all applicable building codes!

1. Locate studs around desired display location. Choose the box configuration that allows closest installation to desired location based on display mounting pattern and the stud locations.
2. Use a drywall cutting tool to cut hole for box based on dimensions shown below (See Figure 9) or using wall template included with FPIWMKIT1.

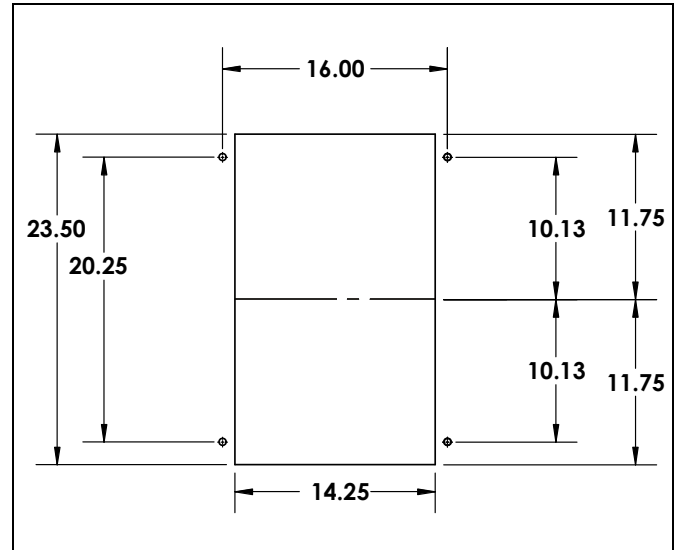


Figure 9

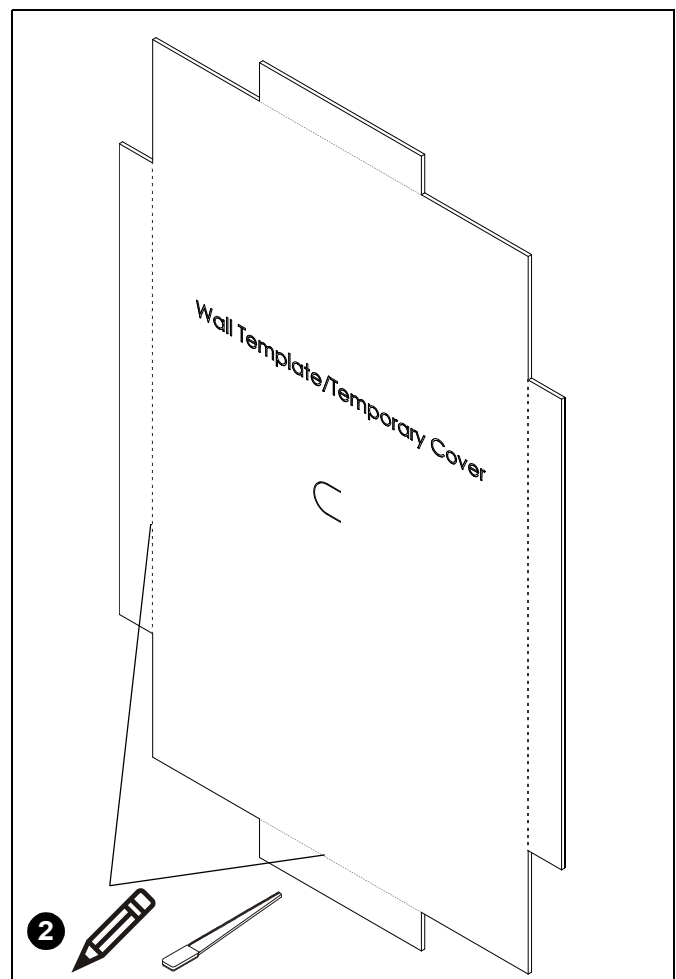


Figure 10

NOTE: Stud tabs included with FMIWSBMKIT1 are not used when installing to existing construction.

3. Use two #10-24 x 1/4" button head cap screws (M) to secure each side flange to boxes from FPIWSBMKIT1. (See Figure 11)

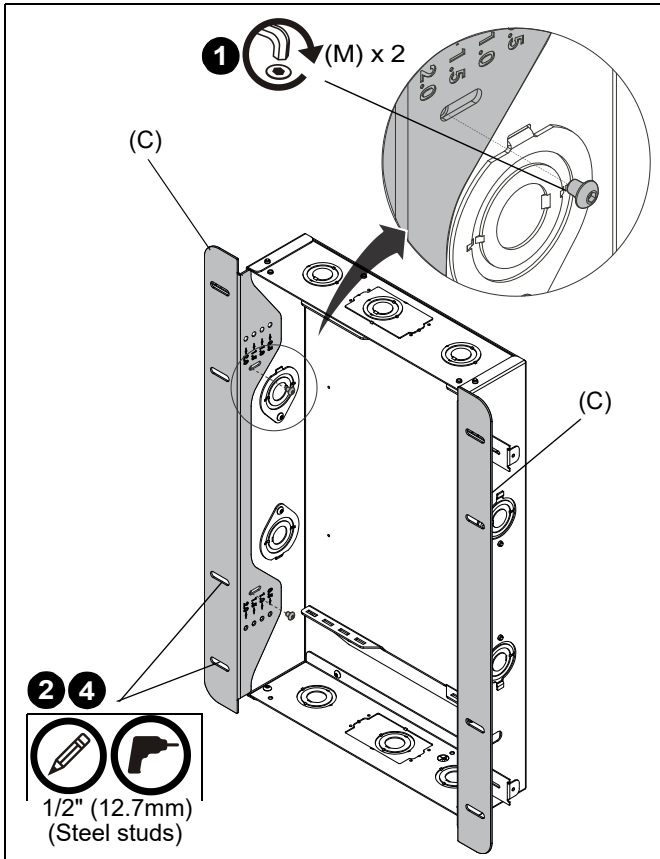


Figure 11

4. Loosely install four #10-24 x 1/4" button head cap screws (M) into open holes in each corner of boxes. (See Figure 12)
5. Slide two top/bottom flanges (E) under screws installed in Step 11 at top and bottom of each box. (See Figure 12)

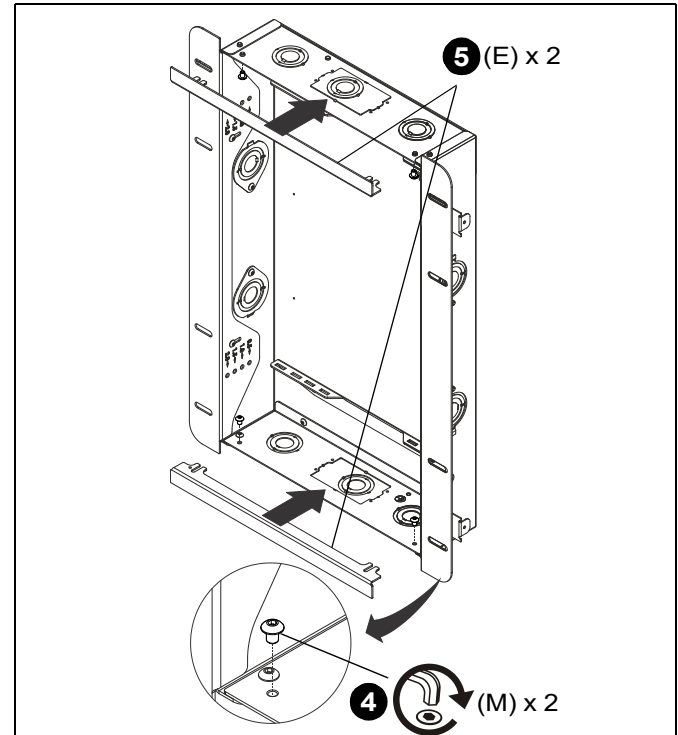


Figure 12

6. Tighten screws installed in Step 4.
7. Slide assembled boxes into holes created in drywall. (See Figure 13)

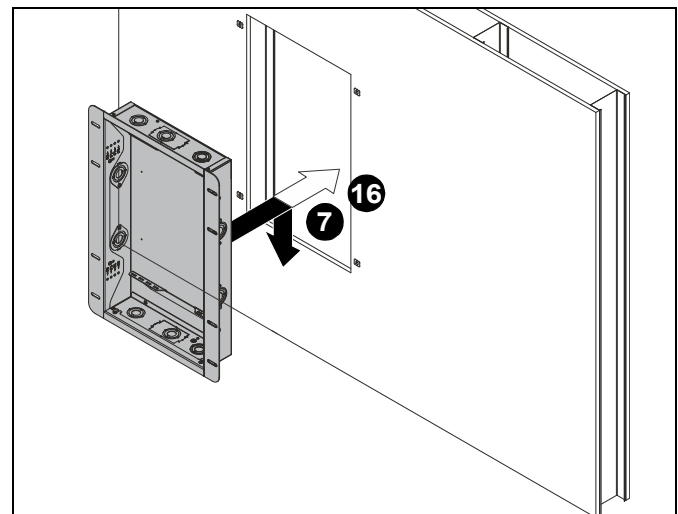


Figure 13

Installation - Steel Stud

1. Mark pilot holes on studs at the top and bottom slot in each flange. (See Figure 11)
2. Remove boxes from cut holes.
3. Drill a 1/2" (12.7mm) hole at each marked location. (See Figure 11)
4. Slide anchors (NC) into drilled holes. (See Figure 14)

5. Holding plastic straps on anchor (NC), pull anchor away from wall until channel rests flush behind wall making sure anchor channel is positioned vertically on stud. (See Figure 14)
6. Slide plastic cap on anchor (NC) towards wall until flange of cap is flush with wall. (See Figure 14)

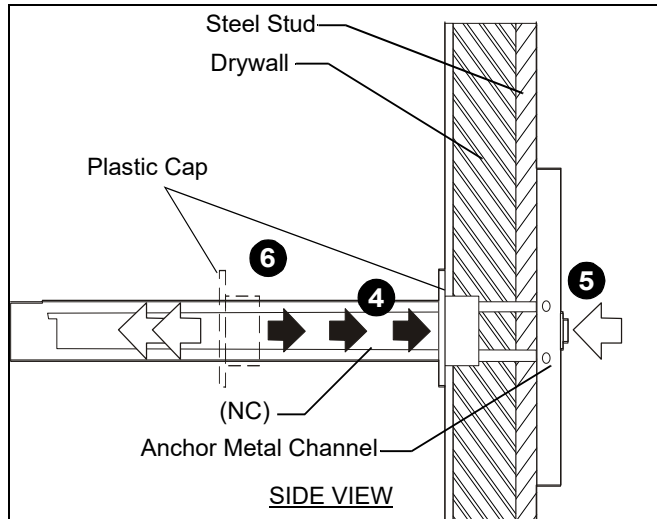


Figure 14

7. Snap off plastic straps on anchor at wall by pushing side to side, snapping off straps level with flange of plastic cap. (See Figure 15)
8. Repeat Steps 10 through 14 for each mounting hole.

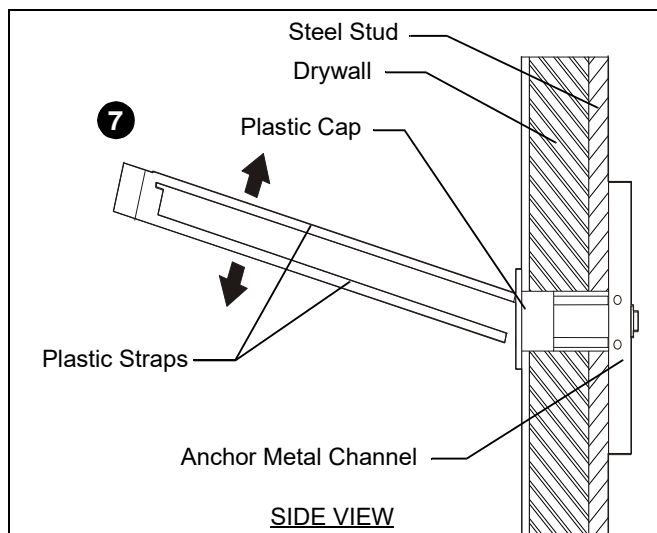


Figure 15

9. Slide assembled boxes with flanges (C and D) back into holes created in drywall. (See Figure 13)
10. Use two 1/4-20 x 2" Phillips pan machine screws (NA) and two 1/4" washers (NB) to secure each flange to studs. (See Figure 13) and (See Figure 16)

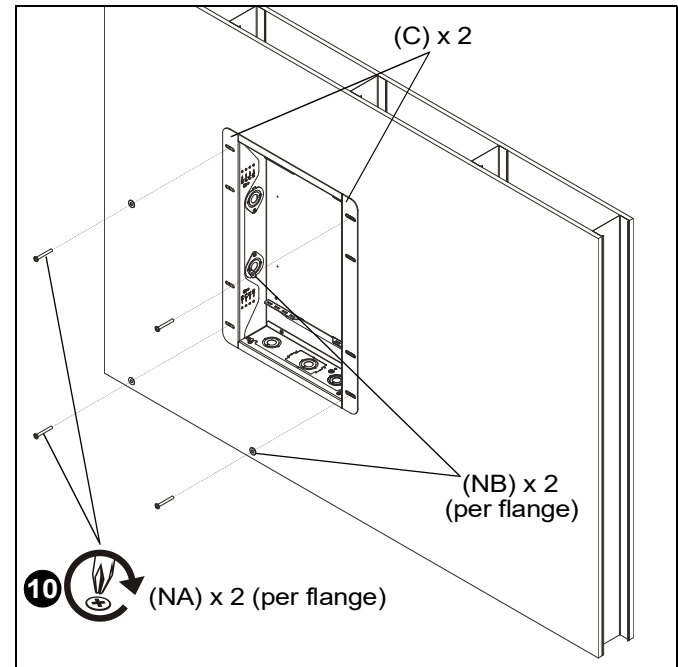


Figure 16

Installation - Wood Stud

1. Mark pilot holes on studs at the top and bottom slots in each flange (two per flange).
2. Drill a 7/32" (5.5mm) hole at each marked location.

NOTE: Pilot holes can be drilled through the slots in the flange brackets while installed to the boxes.

3. Use two 5/16 x 2-3/4" lag bolts (Q) to secure each flange to studs. (See Figure 17)

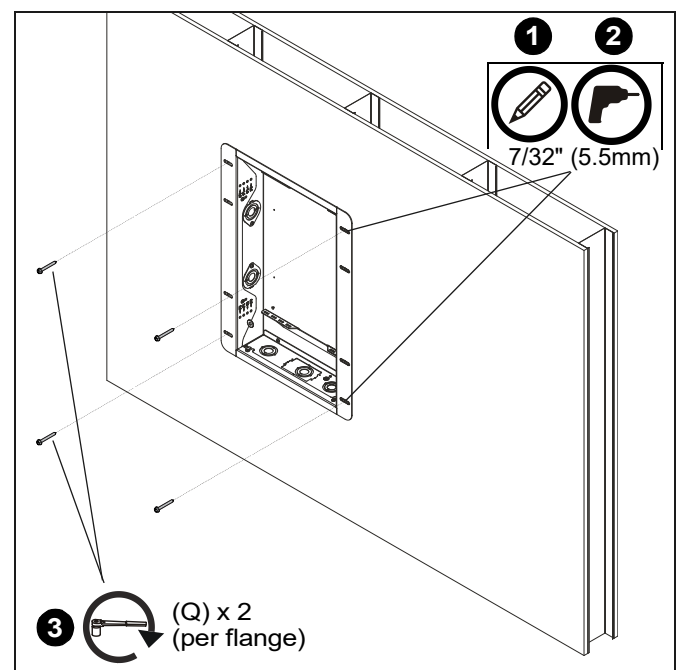


Figure 17

Lever Lock™ Panels Installation

NOTE: Lever Lock™ panels may remain installed when installing mount to wall.

IMPORTANT ! : Lever Lock™ may only be installed with the latch lever going down into the lower rail.

1. Slide Lever Lock™ backplanes (G) into slots on top side of boxes. (See Figure 18)
2. Slide Lever Lock™ backplanes (G) into slots on opposite side, making sure they "click" into place. (See Figure 18)

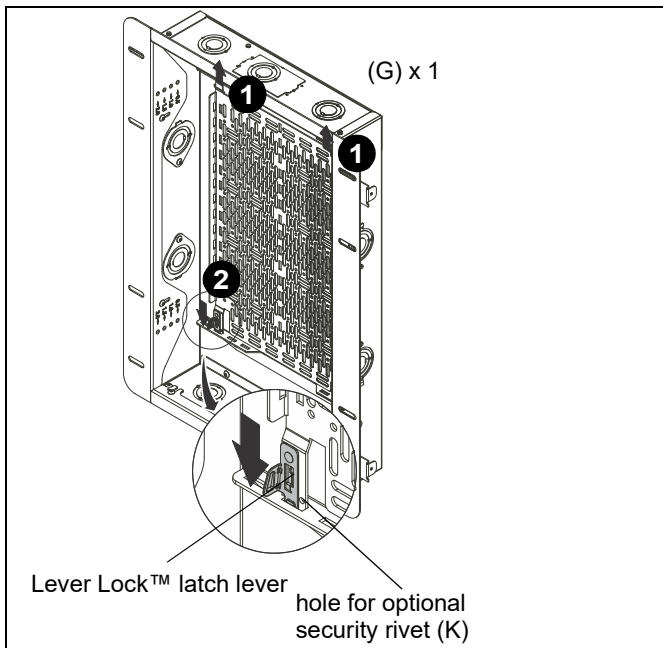


Figure 18

3. Attach components to LeverLock™ backplanes following component manufacturer's instructions. Use cable ties (H) and cable tie clips (L) as needed to safely secure items to panels.

NOTE: LeverLock™ rivets (K) may be used for security if desired. Install in holes shown in Figure 14.

NOTE: Components may be installed to backplanes before or after backplanes have been installed to mount depending on user preference.

Display Installation

1. Use four #10-24 x 1/4" button head cap screws (M) to secure each in-wall rail assembly (F) to boxes. Install into appropriate holes based on desired display installation depth. (See Figure 19)

IMPORTANT ! : Rails (F) should NOT be installed past the 2" mark. Screws (M) should be installed with at least one "open" hole between the screws and NOT right next to each other.

NOTE: Make sure rail assemblies (F) are installed in proper orientation so that numbers are visible

NOTE: Make sure all rail assemblies (F) are installed at the same depth.

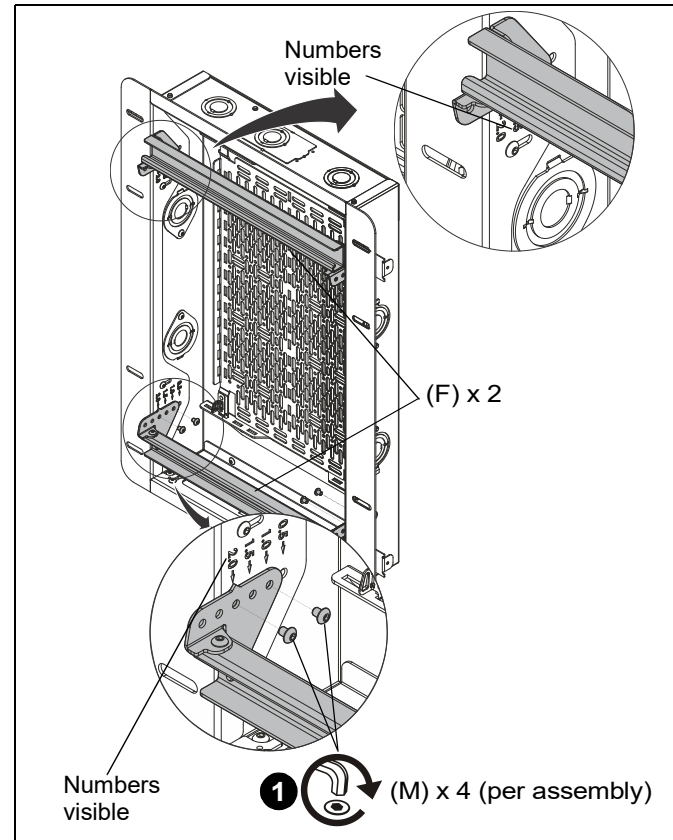


Figure 19

2. Install two 600x400 interface adapters (R) to the "A" interface (A) and "B" interface (B) using four #10-24 x 3/8" hex screws (S). (See Figure 20)

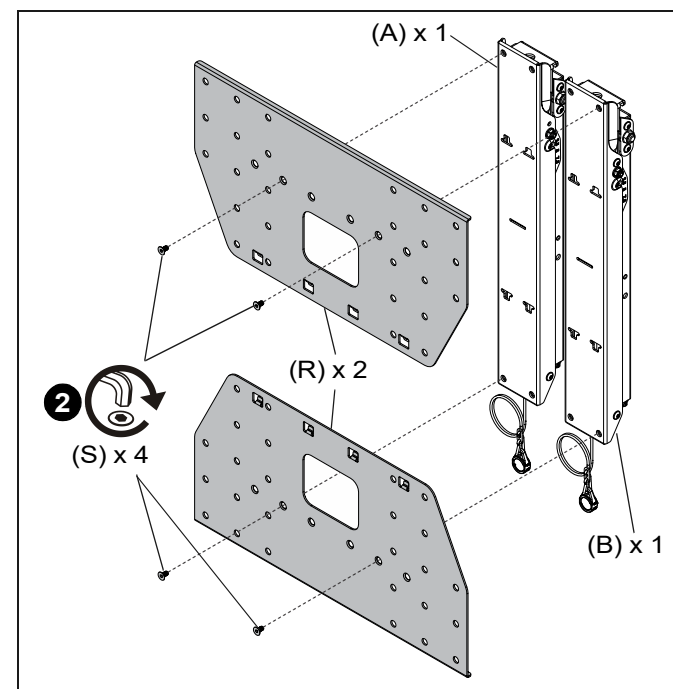


Figure 20

- Position display in an upright position.



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.

- Select screw *diameter* by examining hardware (TA-TC and PD-PH) (6mm or 8mm) and comparing with mounting holes on display. (See Figure 22)
- Select spacers and washers:

NOTE: The nesting spacers (PI) may be used separately, or put two together in different configurations to create different size spacers. (See Figure 21)

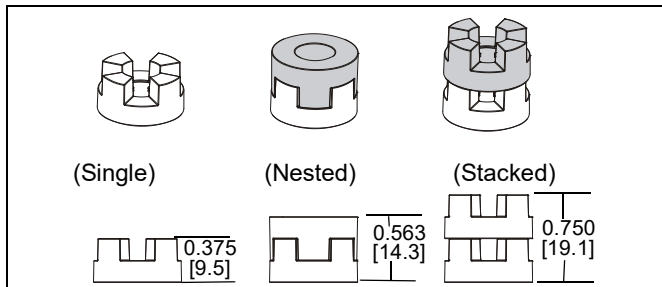


Figure 21

NOTE: 3/16" washers (TJ) can ONLY be used with M6 screws (TA-TC) as M8 screws (TD-TH) have too large of a diameter.

- Select screw *length*: (See Figure 22)
 - By hand, insert **SHORTEST** length screw of selected diameter (TA-TH) through 3/16" washer (TJ) (M6 screws ONLY), bracket (A or B), nesting spacer (TI, 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 (if flat washer is used) 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.

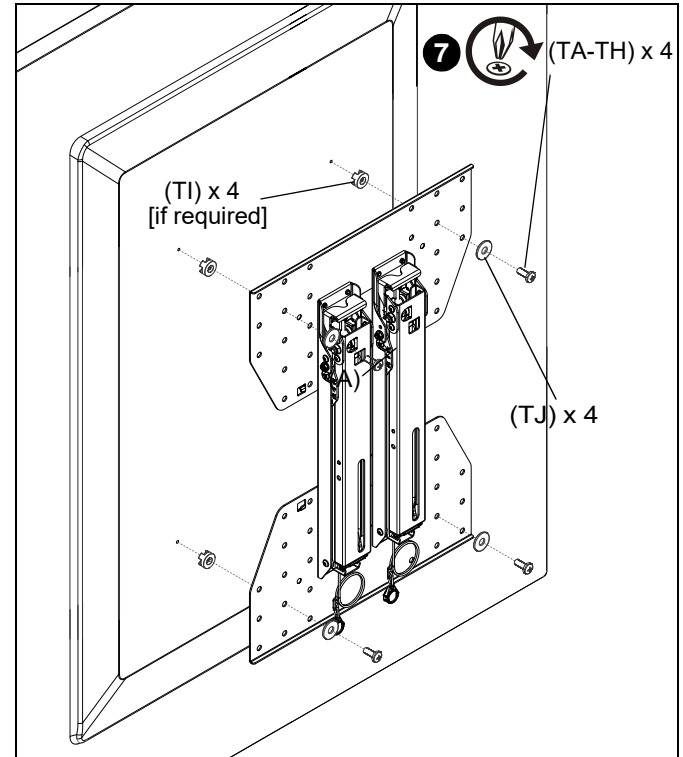


Figure 22

- Use selected screws (TA-TH), washers (TJ) and spacers (TI), if necessary, to connect interface brackets (A and B) to back of display. (See Figure 22)
- Adjust tilt as desired following instructions in **Tilt Adjustment Section**.
- Loosen two button head cap screws at bottom of each interface bracket (A and B) at least four turns. (See Figure 23)

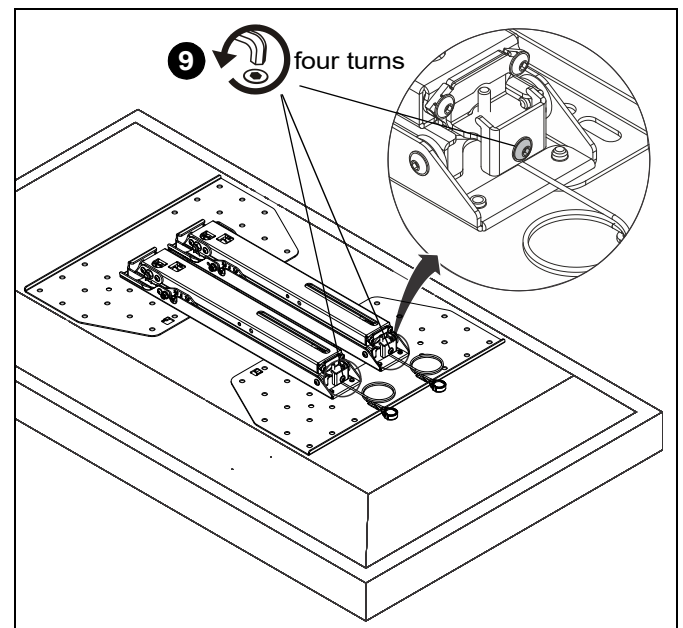


Figure 23

NOTE: Prior to installation, check to make sure height adjustment is centered. See Micro Height Adjustment Section for details.

10. Lower home latch release cords on each interface bracket (A and B). (See Figure 24)
11. Raise display with attached interface brackets and hook top of brackets into top of mount. (See Figure 24)
12. Slide interface rail hooks under lower rail. (See Figure 24)

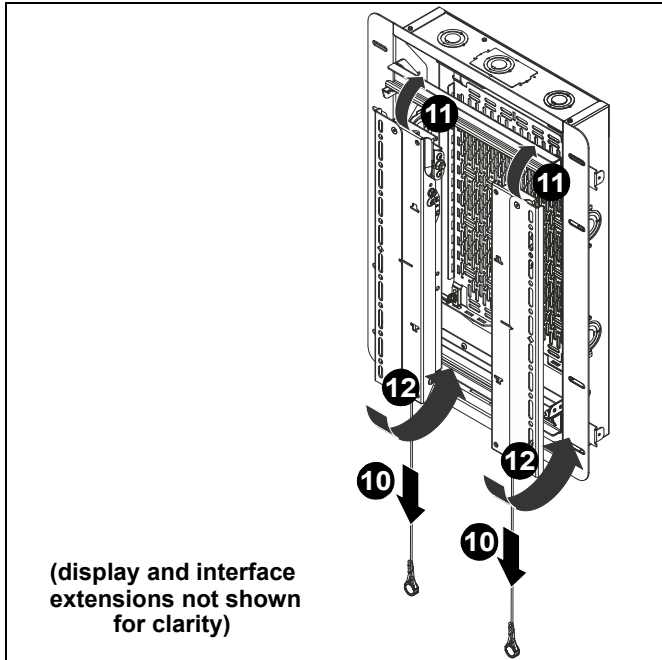


Figure 24

IMPORTANT ! : Make sure pull cords are free of mount and not trapped in the bottom rail hook bracket.

IMPORTANT ! : Make sure display is centered on mount before tightening screws in Step 13.

13. Tighten screws that were loosened in Step 9 until interface rail hook is secured under lower rail on both interface brackets. (See Figure 25)

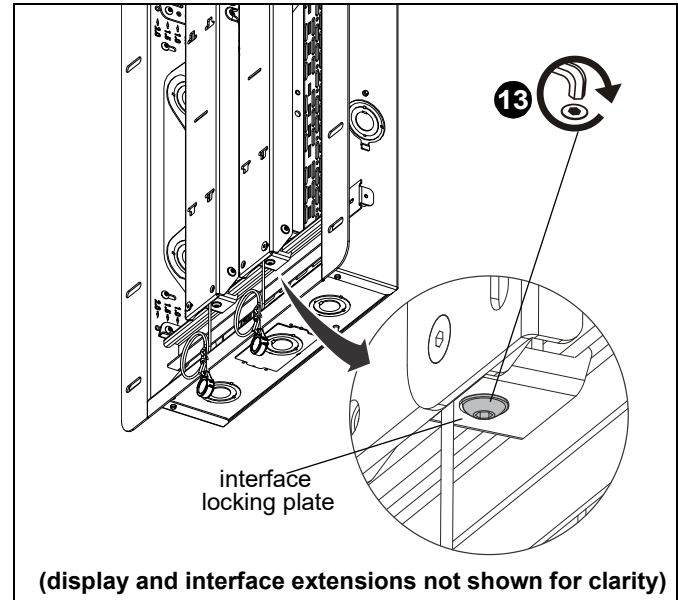


Figure 25

NOTE: There is a home latch lock-out clip on each upright (A and B) that prevents the uprights from being locked in the home position. If it is desired to lock uprights in the home position, these clips may be removed manually. (See Figure 26)

IMPORTANT ! : Removing home latch lock-out clips will allow the mount to lock in the home position. If pull cords are not properly stowed before latching the mount in home position it may be significantly difficult to release the mount for service accessibility. After removing the home latch lock-out clips, **ALWAYS MAKE SURE PULL CORDS ARE ACCESSIBLE** before moving the mount to the home latched position. The mount has a backup release mechanism. See Backup Home Position Unlatching Section for details.

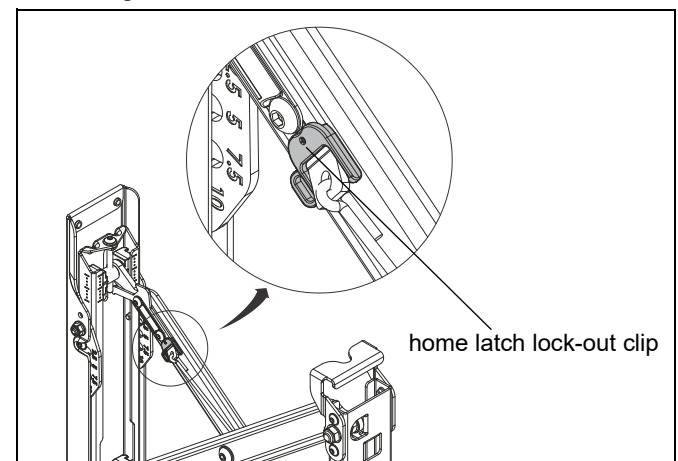


Figure 26

Adjustments

Tilt Adjustment

1. With display removed from mount, remove home tilt locking screws from interface brackets (A and B). (See Figure 27)

NOTE: Home tilt locking screws do not need to be removed if the display is not going to use the tilt feature.

2. Loosen tilt adjustment screws on interface brackets (A and B). (See Figure 27)

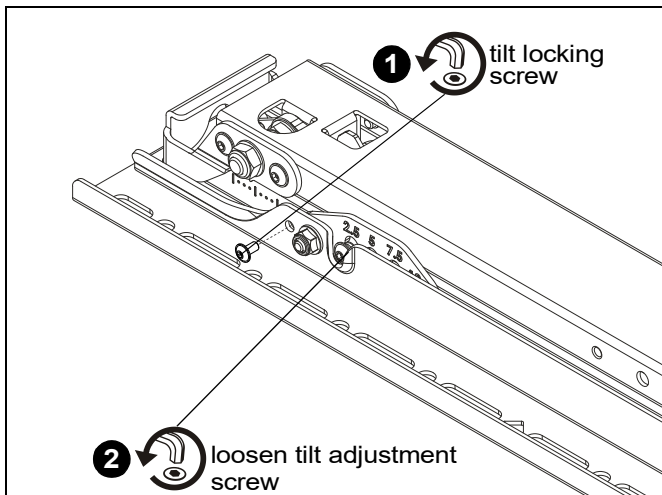


Figure 27

3. Adjust tilt to desired tilt angle. The tilt may be adjusted in 2.5" increments. (See Figure 28)
4. Tighten tilt adjustment screws to lock tilt position. (See Figure 28)

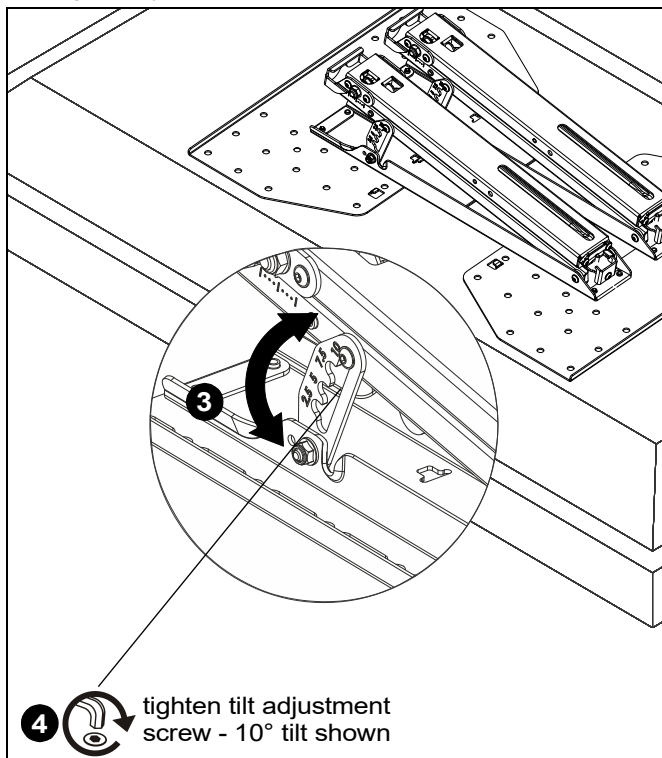


Figure 28

Plumb Adjustment

1. Adjust plumb adjustment screws to adjust plumb of each interface bracket (A and B). (See Figure 29)

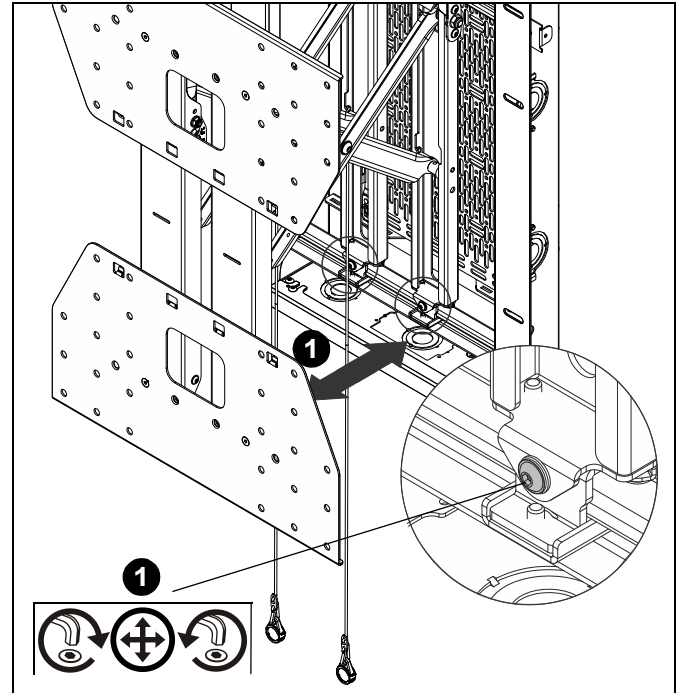


Figure 29

Micro Height Adjustment

1. Adjust micro height-adjustment screws to make minor adjustments to height of each interface bracket (A and B). (See Figure 30)

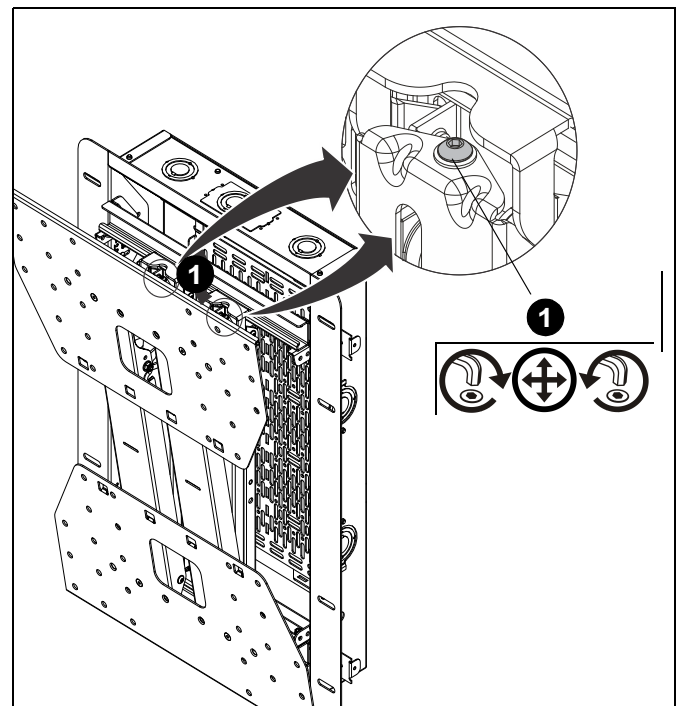


Figure 30

2. Refer to height adjustment markings on side of each interface bracket (A and B) to check adjusted height of each bracket. (See Figure 31)

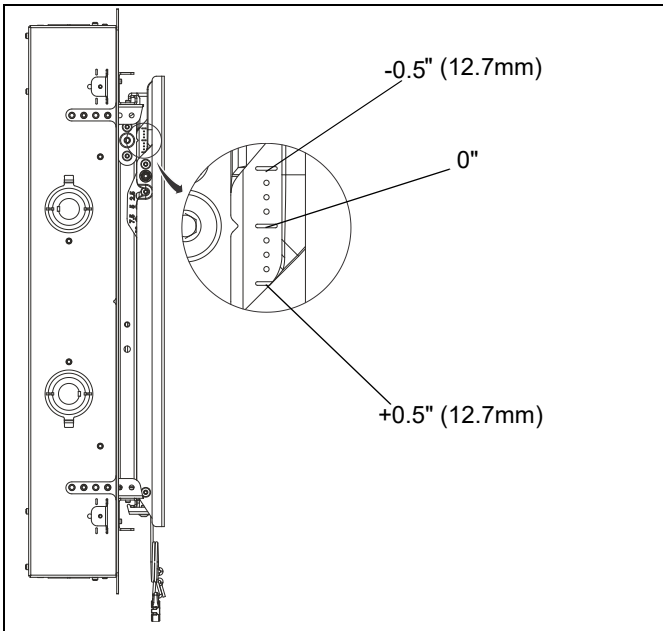


Figure 31

Backup Home Position Unlatching (if necessary)

NOTE: The following steps are only required if the mount becomes accidentally locked in the home position if the home latch lock-out clip was removed AND the pull cords are not in an accessible position to release it.

1. Refer to the dimensions in Figure 29 or use template and table provided on page 20 to create a cardboard shim tool. (See Figure 32)

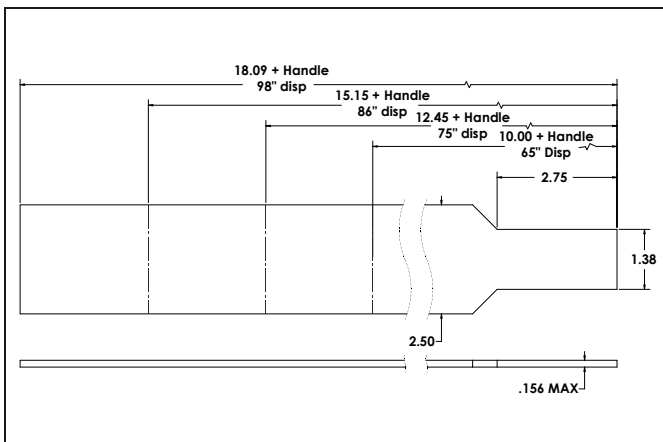


Figure 32

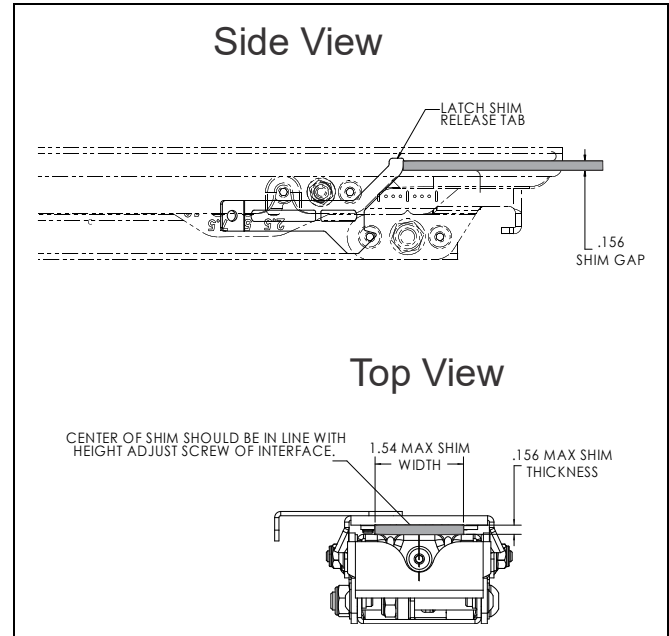


Figure 33

2. Place created shim tool down top of each upright and gently push and pull on display while shimming until it releases. (See Figure 34) and (See Figure)

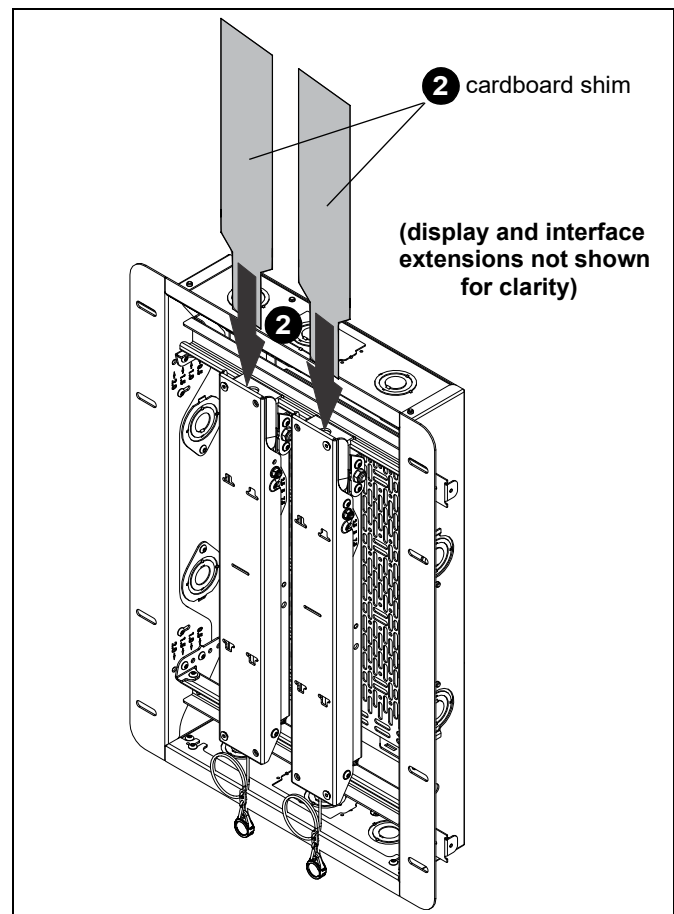


Figure 34

SERVICE

Extending and Retracting Mount

The mounts may be extended and retracted **only** for service or during installation.

1. **To Extend Mount:** Pull on the home latch release cords for both interface brackets (A and B). (See Figure 35)
2. When the mount releases, carefully grasp bezel edges of display and pull out slowly.
3. The nubs on the interface magnet holders may be inserted through holes to lock brackets in service position. (See Figure 35)
4. **To Retract Mount:** Carefully push against display bezel edges, being careful to clear surrounding displays.
5. Push display against mount until both latches click into the locked home position.

NOTE: Mount can only be locked in home position if home lock-out clip is removed. (See Figure 35)

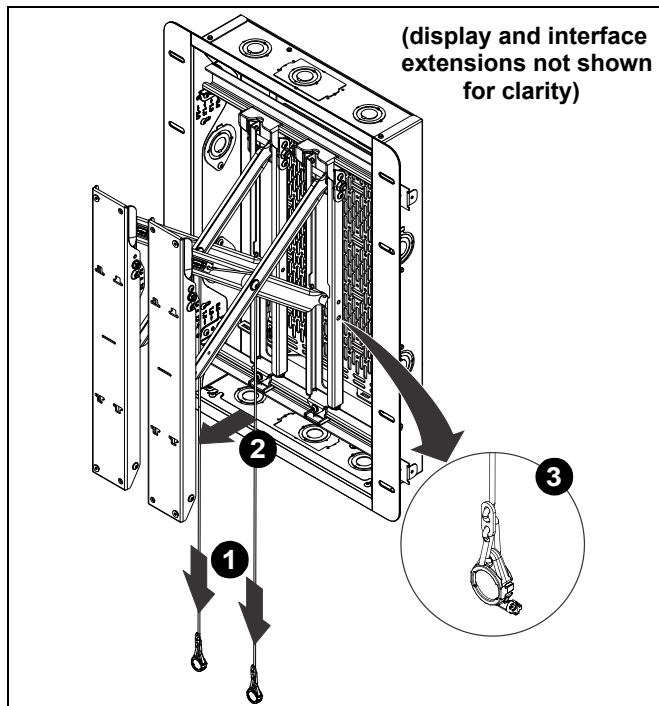
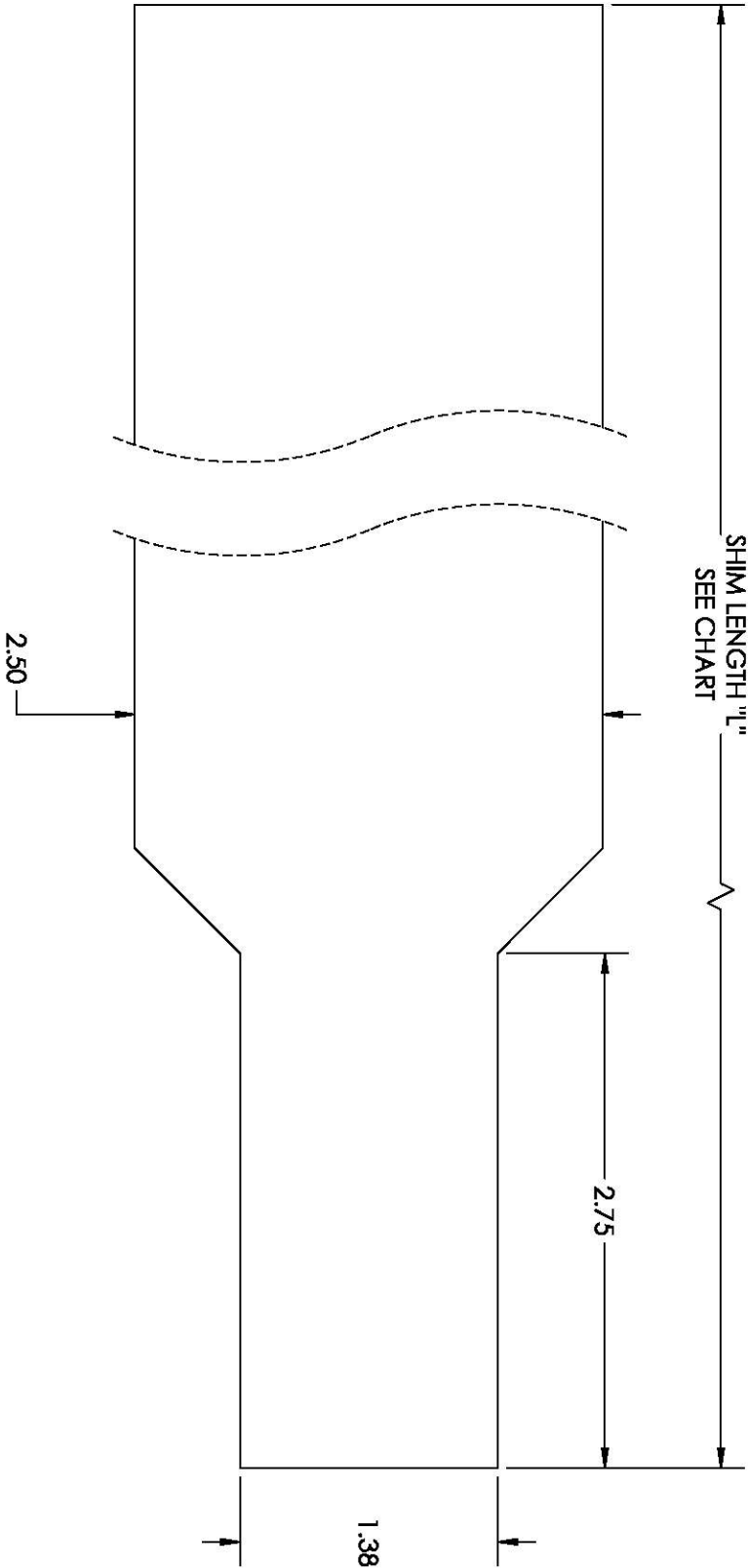


Figure 35

EST. BACKUP HOME LATCH RELEASE SHIM LENGTH "L" (TYPICAL)				
Display Diagonal:	65" Display	75" Display	86" Display	98" Display
LANDSCAPE - "L" MIN	16"	19"	21"	24"
PORTAIT "L" MIN	28"	33"	38"	43"



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