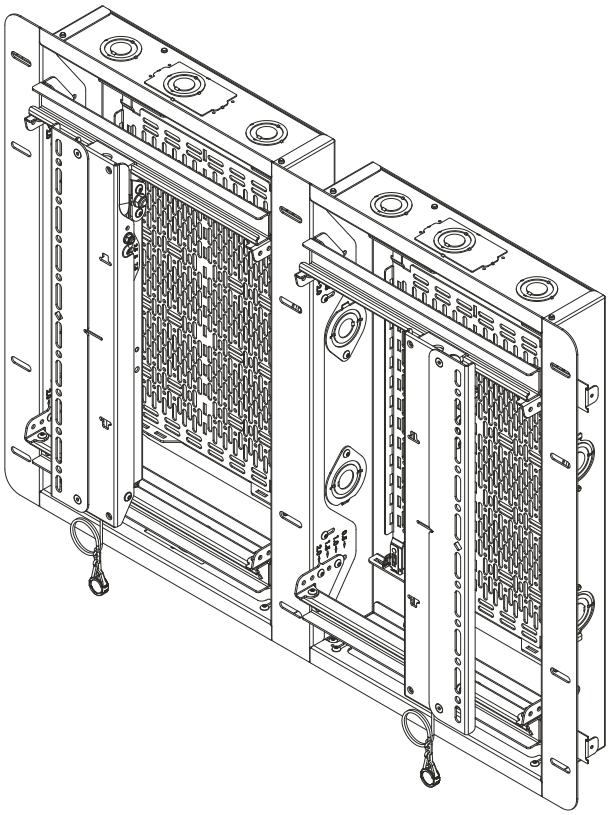
INSTALLATION INSTRUCTIONS



Tempo™ Flat Panel In-Wall Flange Mount Storage

CHIEF®

A brand of legrand®

FPIWMKIT2

Patent Pending

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.

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 mounting system does not exceed 200 lbs (90.7 kg) if installing to 25 gage steel studs or 250 lbs (113.4 kg) if installing to 20 gage structural steel studs.

WARNING: 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.

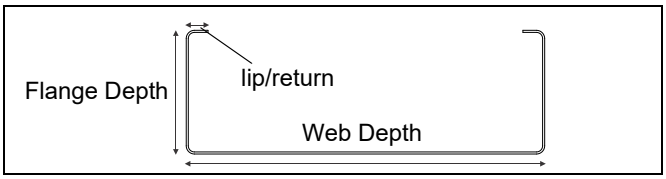
WARNING: Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

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.

IMPORTANT ! : The FPIWMKIT2 mounting system is designed to be installed with UL-listed FPIWMKIT1 (not included) mounted to a 20 ga or 25 ga minimum steel stud wall covered with drywall having a maximum thickness of 1 1/4" and minimum of 1/2".

NOTE: See Table and graphic below for information on minimum stud specifications.



Rated Capacity	Stud Material	Web Depth	Flange Depth	Lip/ Return
200 lbs (90.7 kg)	25 ga	3.62" Minimum	1.25" (min.) 1.65" (max.)	0.22" (Min.)
250 lbs (113.4 kg)	20 ga structural	3.62" Minimum	1.62"	0.5" (Min.)

NOTE: Stud type and structural strength must conform to the North American Specification for the design of Cold-Formed Steel Structural Members. [362 S 125 18 **OR** 362 S 162 33, C-Shaped, S-stud Section]

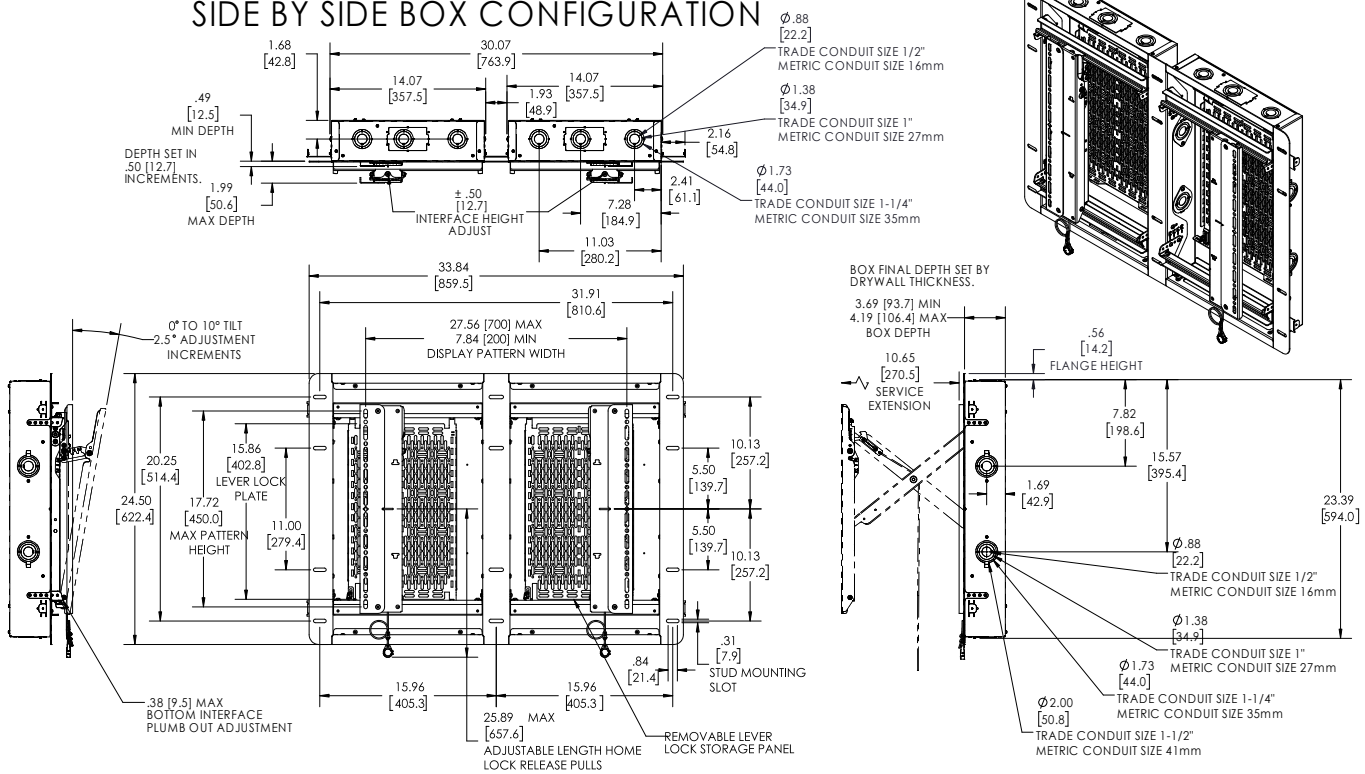
NOTES:

- 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.

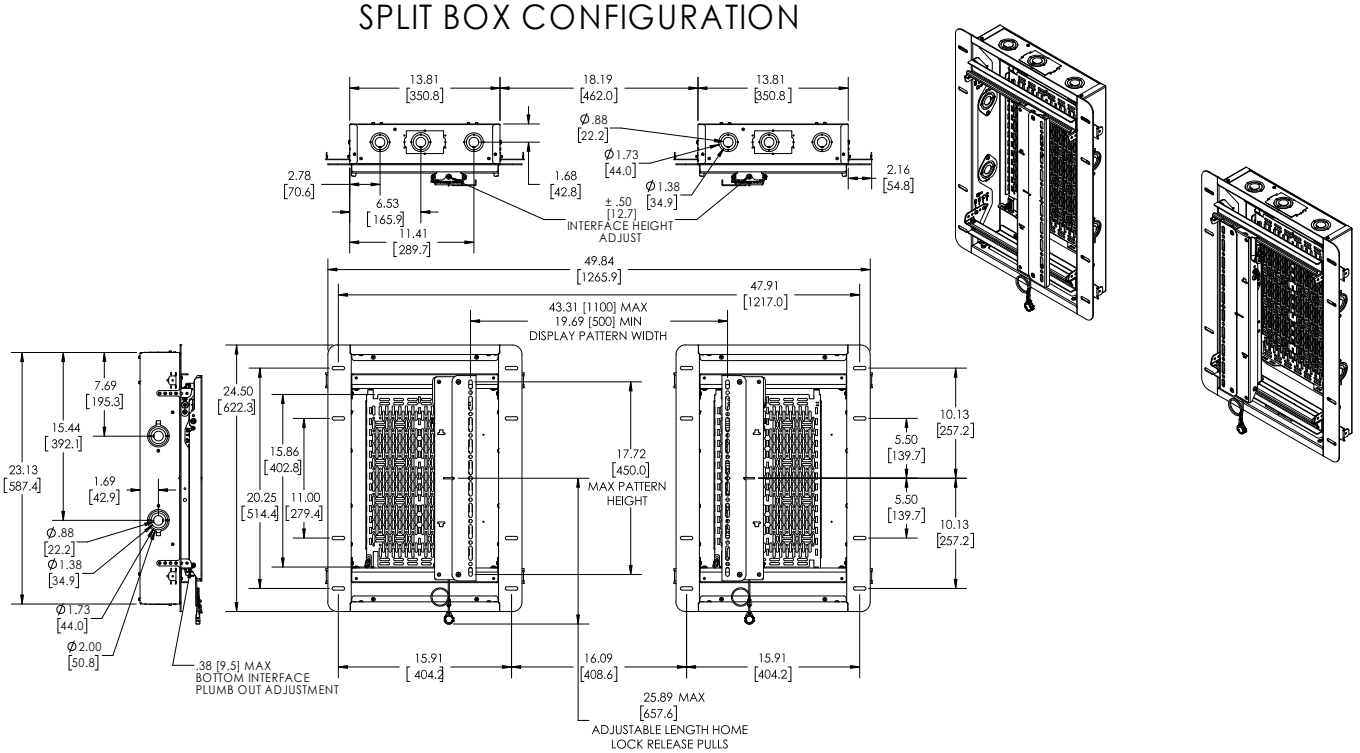
--SAVE THESE INSTRUCTIONS--

DIMENSIONS

SIDE BY SIDE BOX CONFIGURATION



SPLIT BOX CONFIGURATION



DIMENSIONS: INCHES
[MILLIMETERS]

DIMENSIONS (CONTINUED)

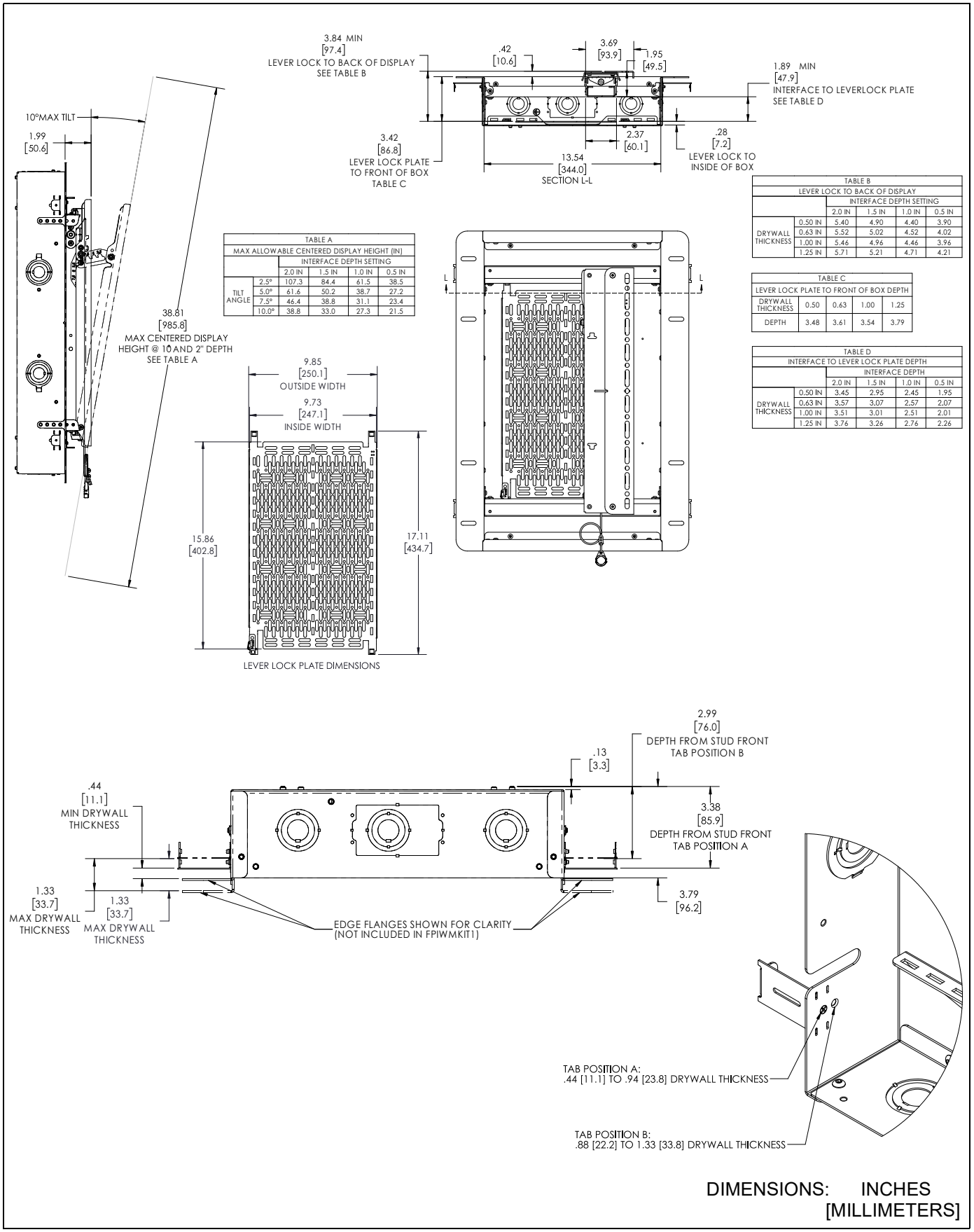


TABLE A					
MAX ALLOWABLE CENTERED DISPLAY HEIGHT (IN)					
		INTERFACE DEPTH SETTING			
		2.0 IN	1.5 IN	1.0 IN	0.5 IN
TILT ANGLE	2.5°	107.3	84.4	61.5	38.5
	5.0°	61.6	50.2	38.7	27.2
	7.5°	46.4	38.8	31.1	23.4
	10.0°	38.8	33.0	27.3	21.5

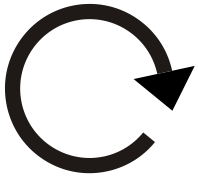
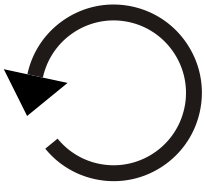
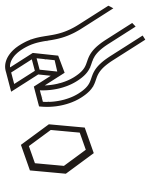
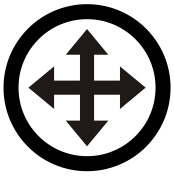
TABLE B					
LEVER LOCK TO BACK OF DISPLAY					
		INTERFACE DEPTH SETTING			
		2.0 IN	1.5 IN	1.0 IN	0.5 IN
DRYWALL THICKNESS	0.50 IN	5.40	4.90	4.40	3.90
	0.63 IN	5.52	5.02	4.52	4.02
	1.00 IN	5.46	4.96	4.46	3.96
	1.25 IN	5.71	5.21	4.71	4.21

TABLE C				
LEVER LOCK PLATE TO FRONT OF BOX DEPTH				
DRYWALL THICKNESS	0.50	0.63	1.00	1.25
DEPTH	3.48	3.61	3.54	3.79

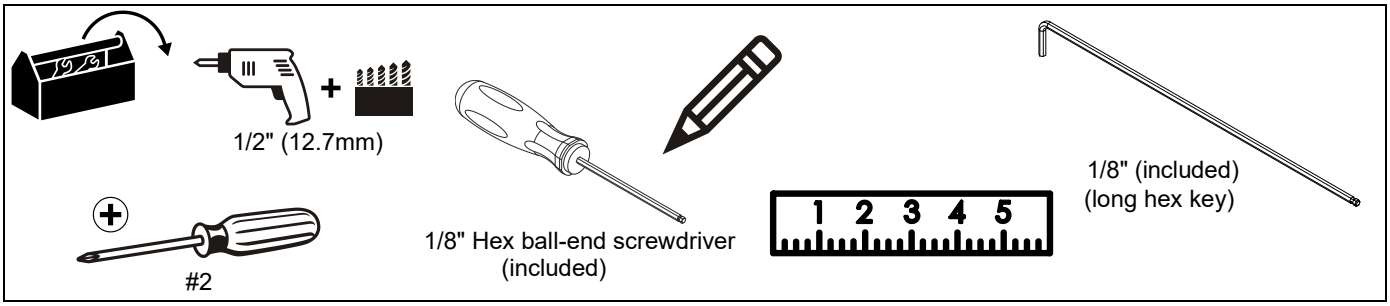
TABLE D					
INTERFACE TO LEVER LOCK PLATE DEPTH					
		INTERFACE DEPTH			
		2.0 IN	1.5 IN	1.0 IN	0.5 IN
DRYWALL THICKNESS	0.50 IN	3.45	2.95	2.45	1.95
	0.63 IN	3.57	3.07	2.57	2.07
	1.00 IN	3.51	3.01	2.51	2.01
	1.25 IN	3.76	3.26	2.76	2.26

DIMENSIONS: INCHES
[MILLIMETERS]

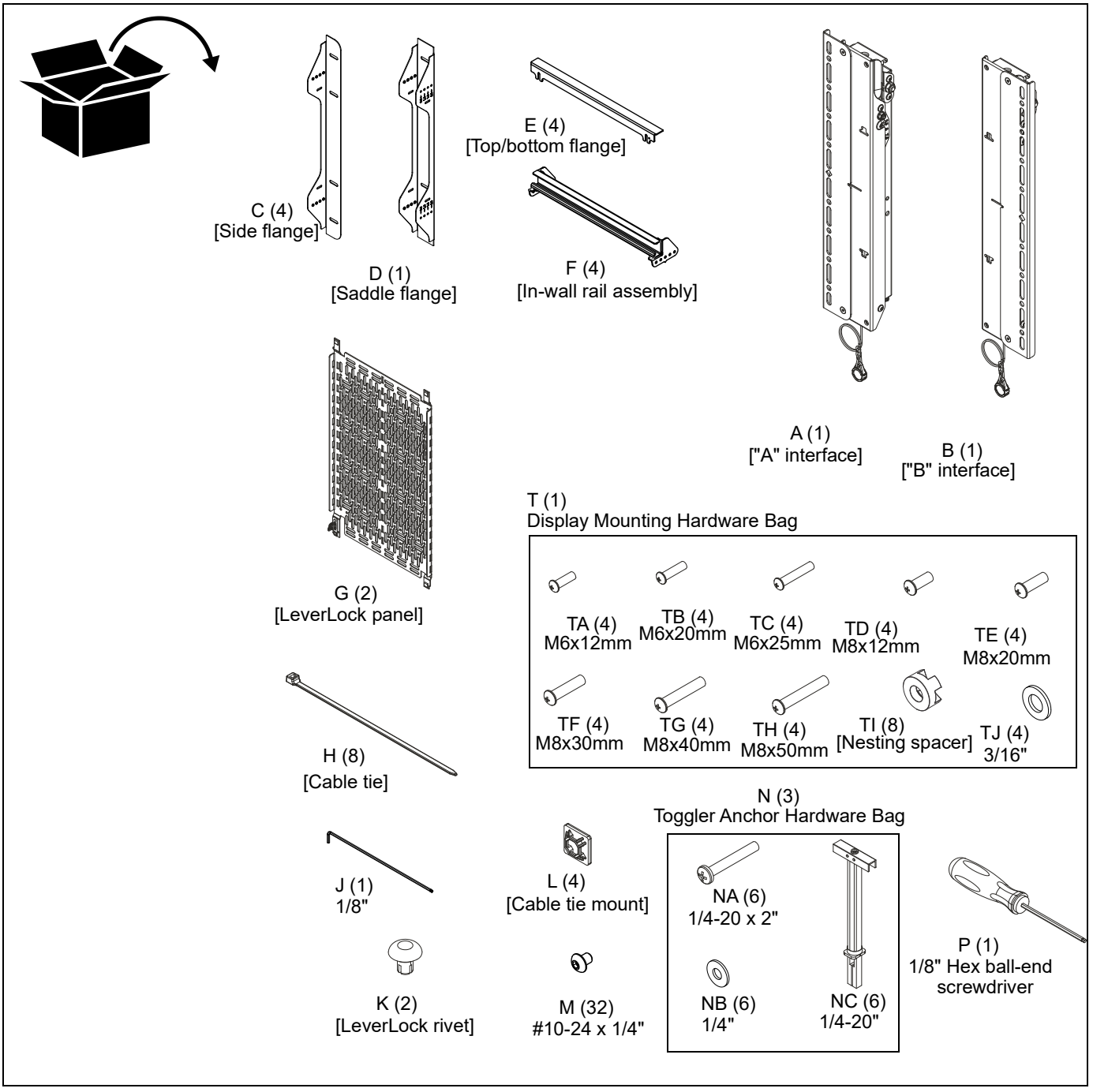
LEGEND

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

TOOLS REQUIRED FOR INSTALLATION



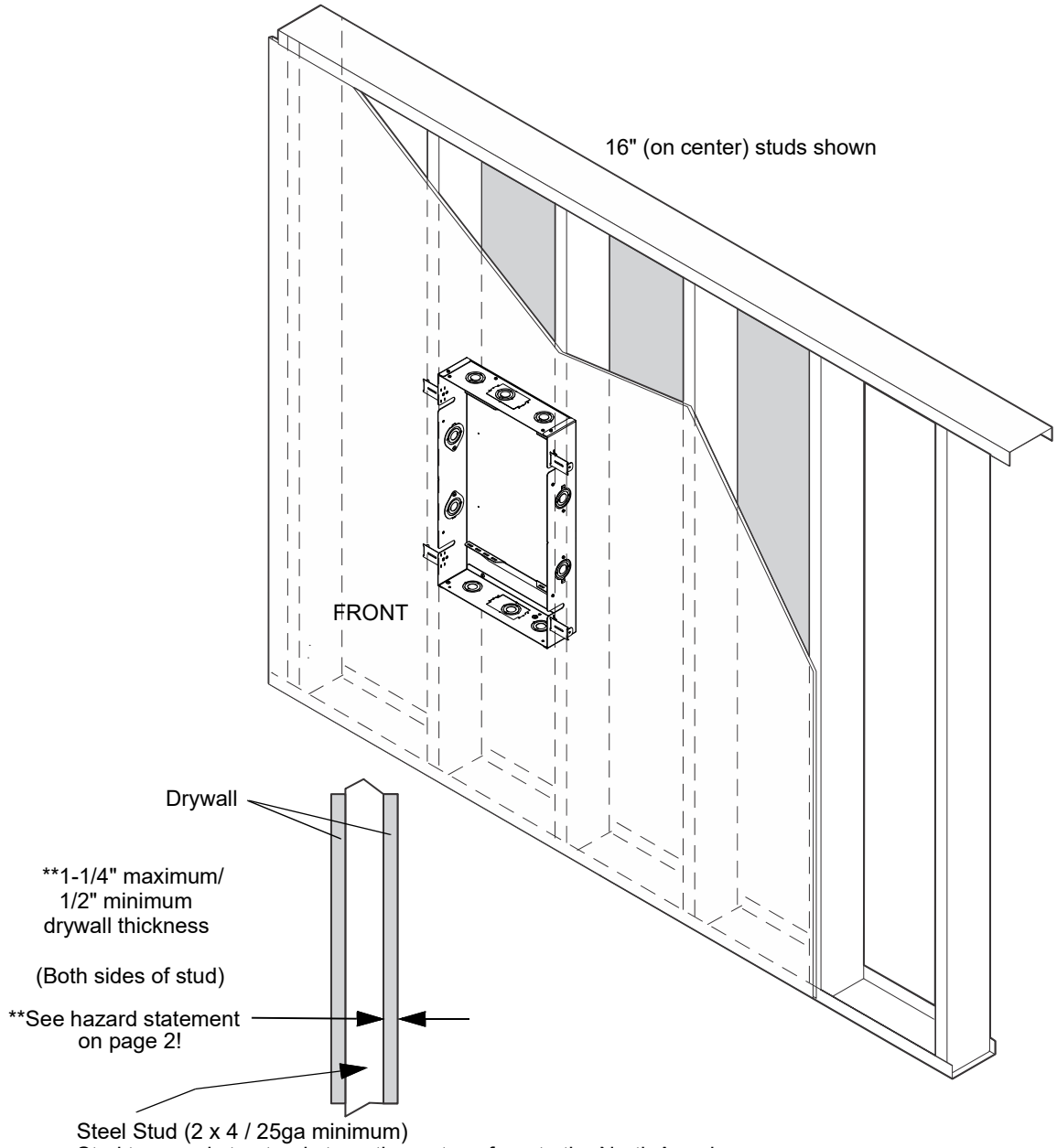
PARTS



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



Steel Stud (2 x 4 / 25ga minimum)
Stud type and structural strength must conform to the North American Specification for the Design of Cold-Formed Steel Structural Members.
[362 S 125 18 **OR** 362 S 162 33, C-Shaped, S-Stud Section]

Figure 1

Installation to Wall - New Construction

IMPORTANT ! : Prior to installing FPIWMKIT2, FPIWMKIT1 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 Covers (if used) from boxes prior to mount installation.

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

NOTE: Saddle flange (D) is only used if installing to boxes with no stud gap. If installing with a stud gap, use two side flanges for each box.

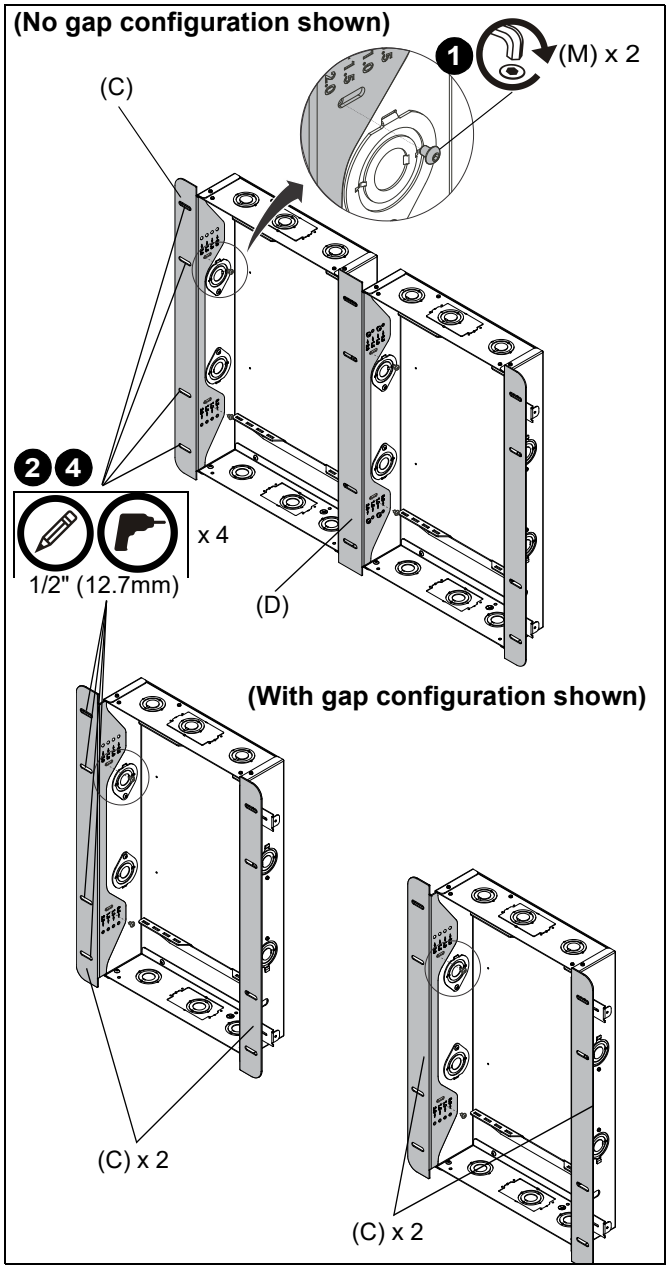


Figure 2

2. Mark anchor holes on studs at each slot in each flange. (See Figure 2)
3. Remove flanges installed in Step 1 by uninstalling screws.
4. Drill a 1/2" (12.7mm) hole at each marked location. (See Figure 2)
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)

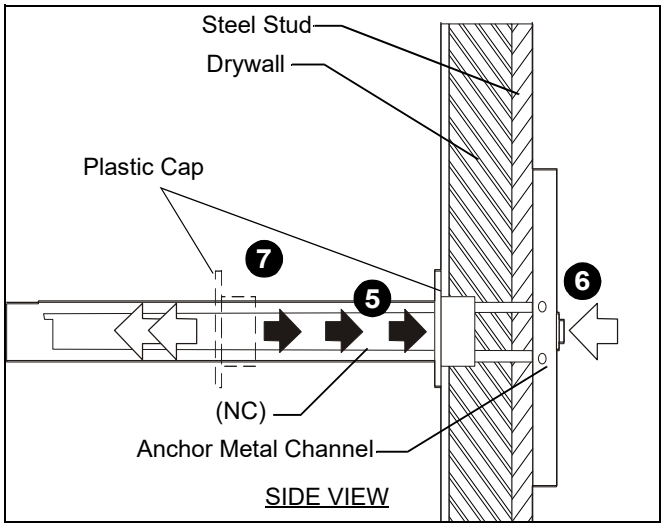


Figure 3

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.

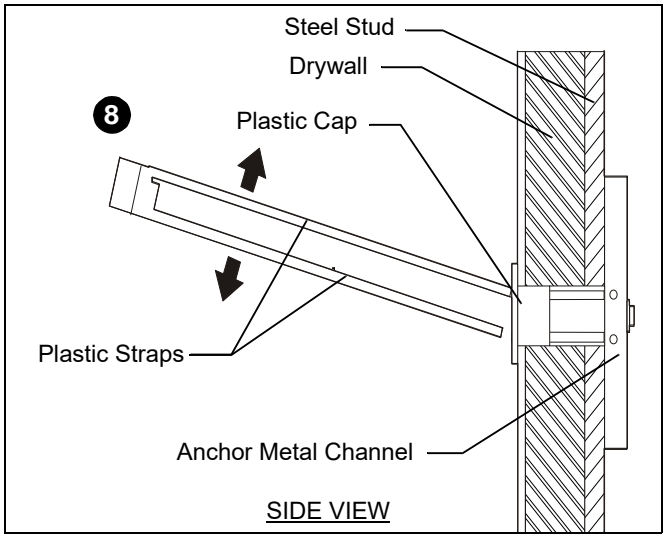


Figure 4

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) and saddle flange (D) to installed boxes. (See Figure 5)

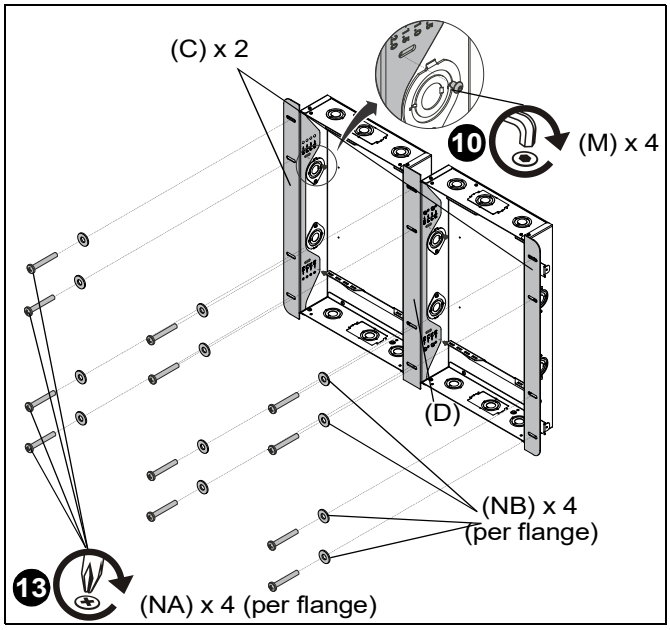


Figure 5

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 6)
13. Use four 1/4-20 x 2" Phillips pan machine screws (NA) and four 1/4" washers (NB) to secure each flange to studs. (See Figure 5)

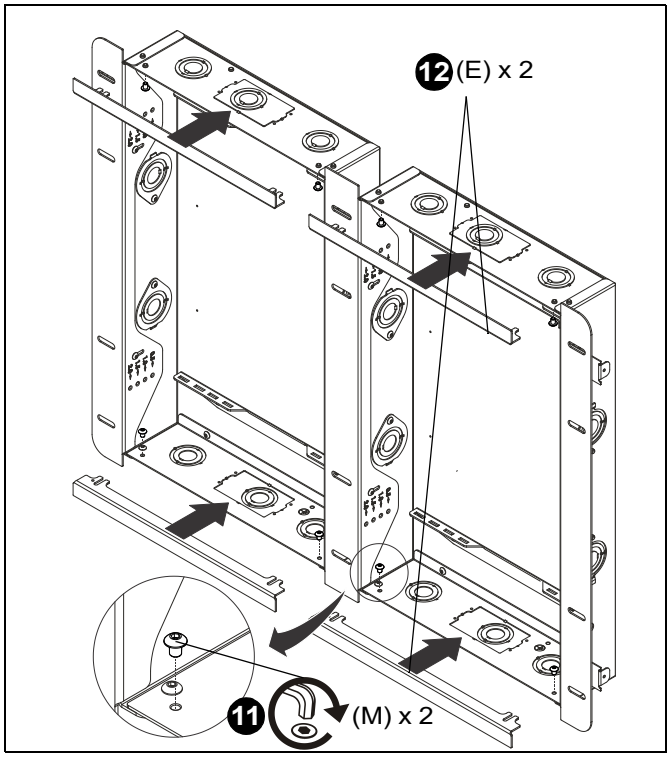


Figure 6

14. Tighten all screws (M) to secure top/bottom flanges (E), side flanges (C) and saddle flanges (D) making sure all flange edges are lined up. (See Figure 7)

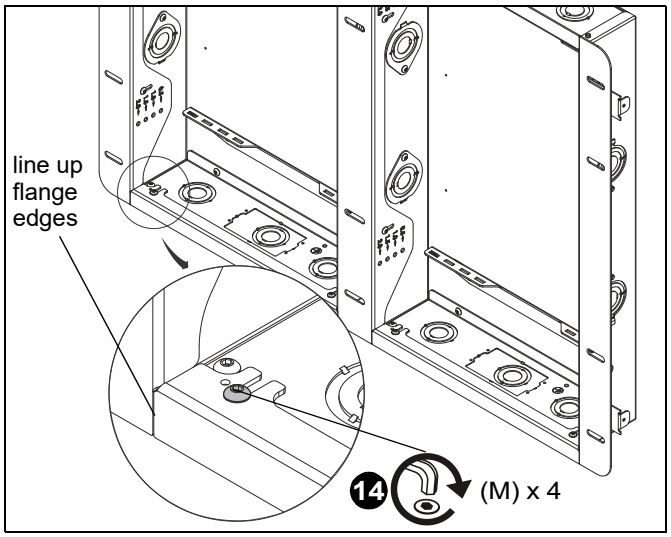


Figure 7

15. 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 7) or using wall template included with FPIWMKIT1.

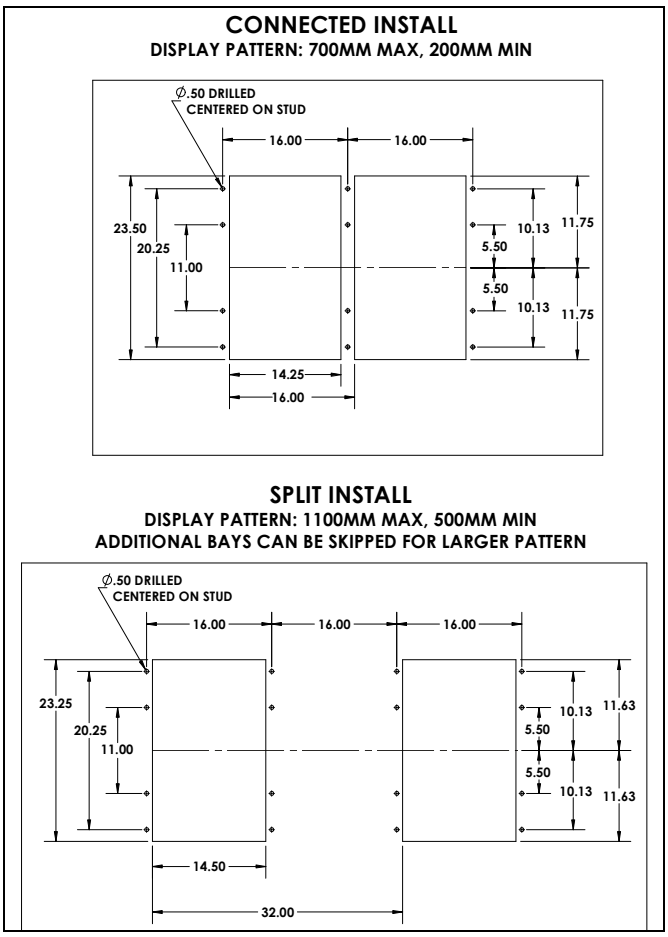


Figure 8

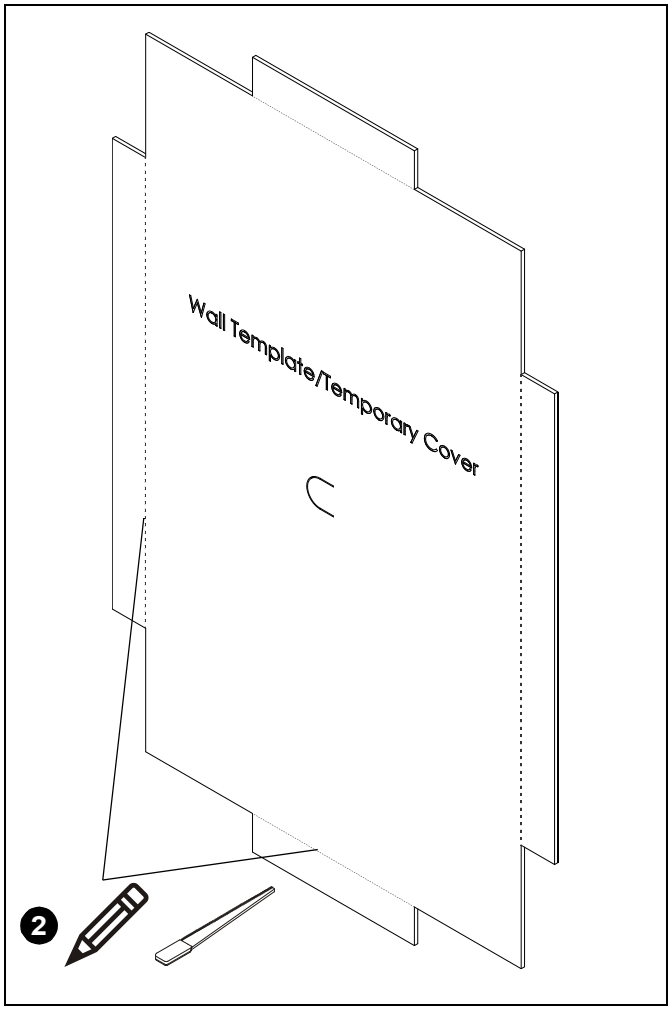


Figure 9

NOTE: In-wall boxes (A) may be installed to three consecutive 16" studs or split up with a stud bay in between the boxes. Displays with a mounting pattern between 200mm-700mm may be mounted with no gap and displays with a mounting pattern between 500mm-1100mm may be mounted with stud bay gap. (See Figure 1)

NOTE: For extra large display mounting patterns more than one stud bay may be split. Two bays may be skipped for mounting patterns between 925mm-1500mm. Three bays may be skipped for mounting patterns between 1325mm-1900mm.

NOTE: See Table on page 2 for information on minimum stud specifications.

NOTE: Stud tabs included with FMIWKIT1 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 (C) and saddle flange (D) to boxes from FPIWMKIT1. (See Figure 10)

NOTE: Saddle flange (D) is only used if installing to boxes with no stud gap. If installing with a stud gap, use two side flanges for each box.

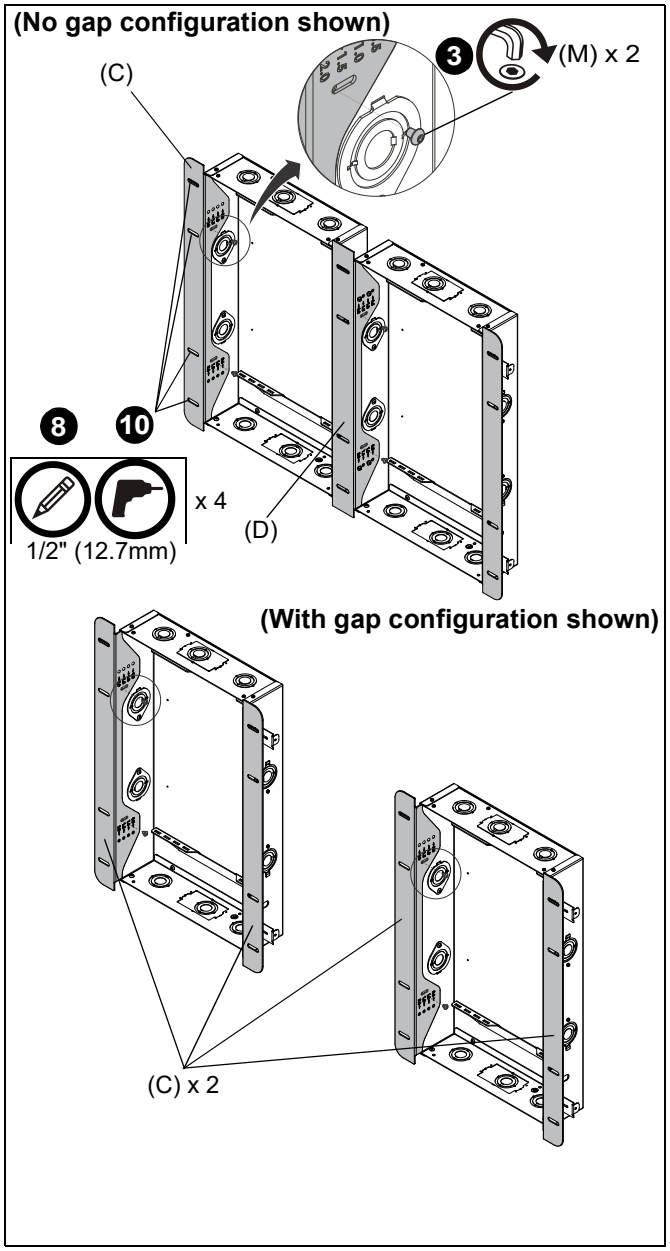


Figure 10

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

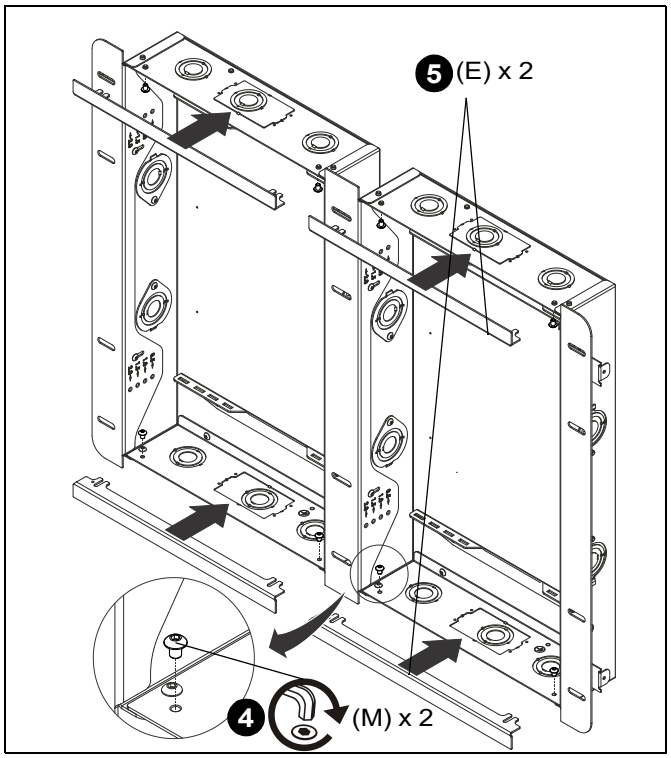


Figure 11

6. Tighten screws installed in Step 4.
7. Slide assembled boxes into holes created in drywall. (See Figure 12)

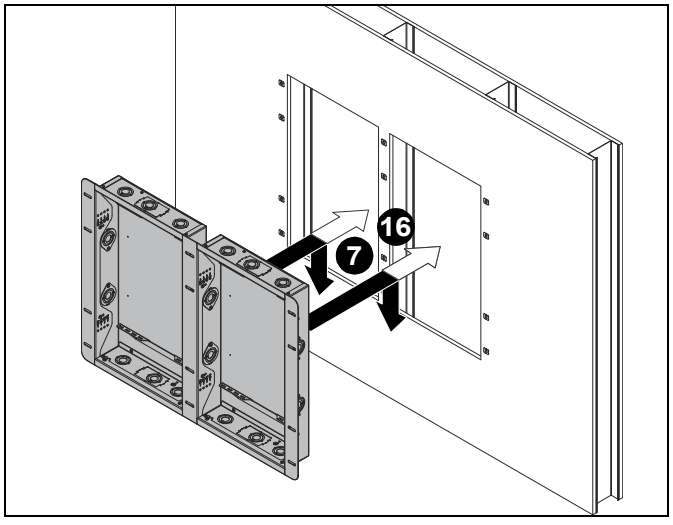


Figure 12

8. Mark pilot holes on studs at each slot in each flange. (See Figure 10)
9. Remove boxes from cut holes.
10. Drill a 1/2" (12.7mm) hole at each marked location. (See Figure 10)
11. Slide anchors (NC) into drilled holes. (See Figure 13)

12. 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 13)
13. Slide plastic cap on anchor (NC) towards wall until flange of cap is flush with wall. (See Figure 13)

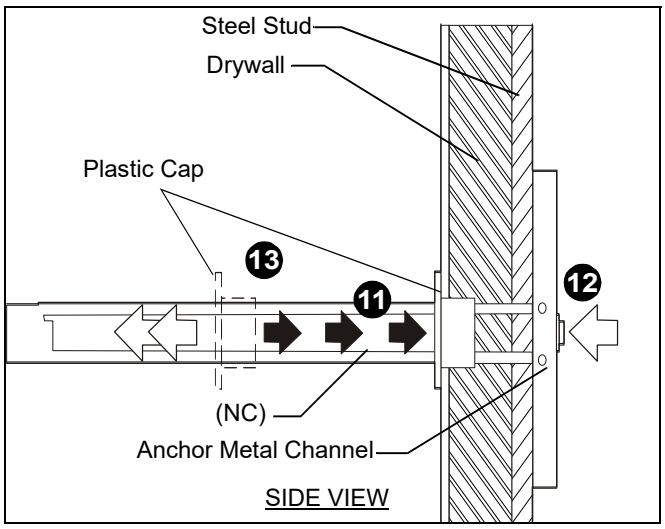


Figure 13

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

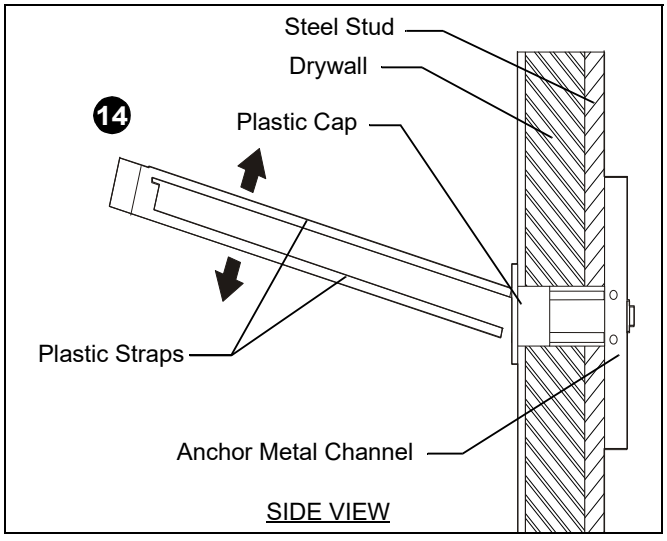


Figure 14

16. Slide assembled boxes with flanges (C and D) back into holes created in drywall. (See Figure 12)
17. Use four 1/4-20 x 2" Phillips pan machine screws (NA) and four 1/4" washers (NB) to secure each flange to studs. (See Figure 12) and (See Figure 15)

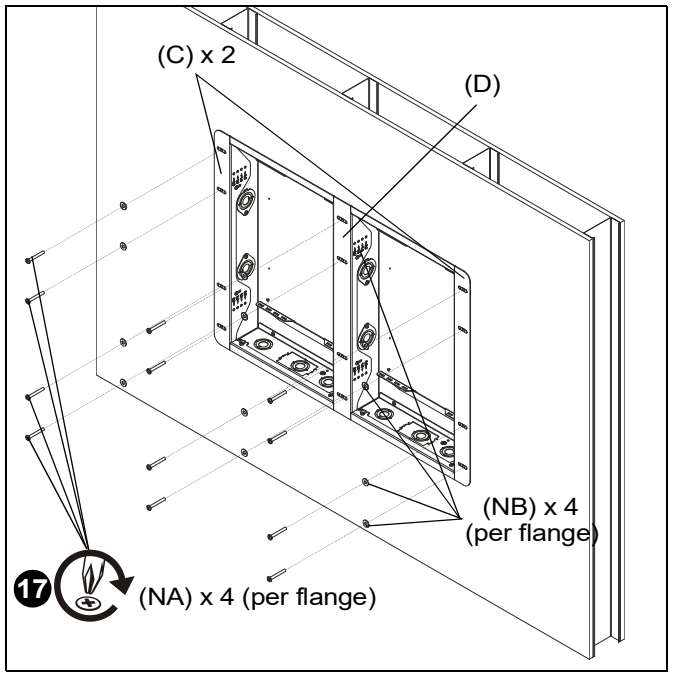


Figure 15

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 16)
2. Slide Lever Lock™ backplanes (G) into slots on opposite side, making sure they "click" into place. (See Figure 16)

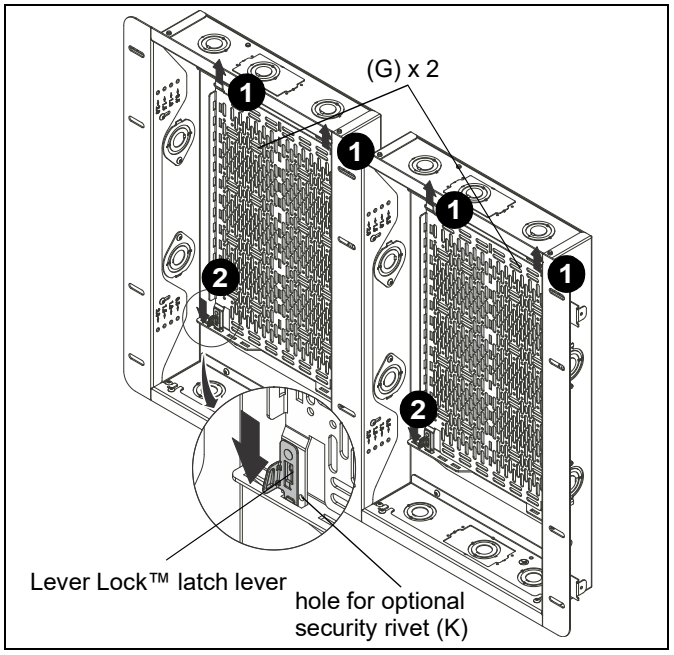


Figure 16

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 17)

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.

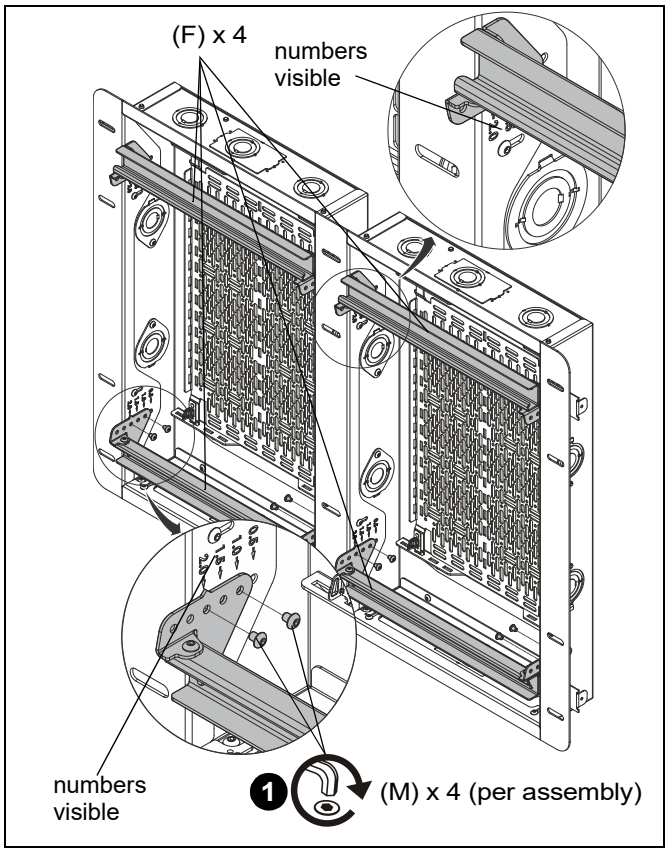


Figure 17

2. 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.

3. Select screw *diameter* by examining hardware (TA-TC and PD-PH) (6mm or 8mm) and comparing with mounting holes on display. (See Figure 19)

4. 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 18)

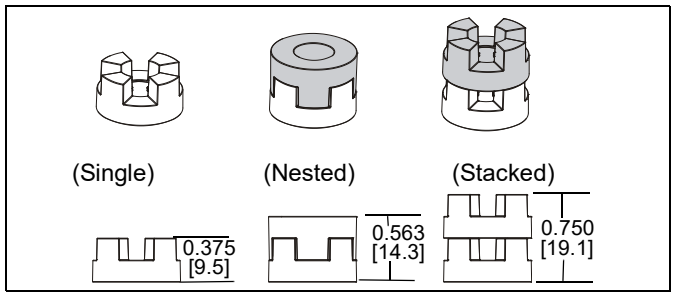


Figure 18

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.

5. Select screw *length:* (See Figure 19)

   - 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.

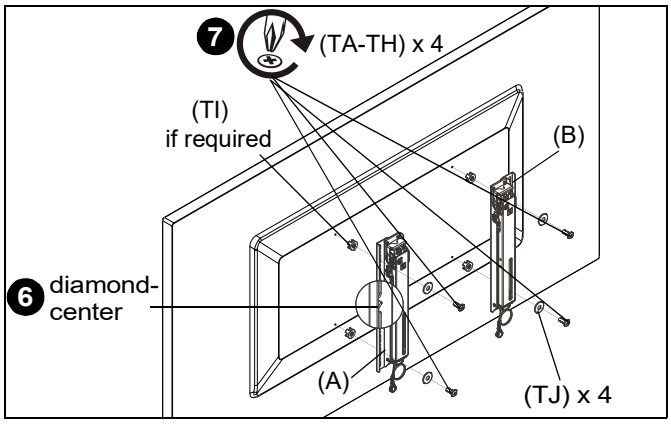


Figure 19

6. Make sure diamond on interface brackets is even with center of display. (See Figure 19)

7. 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 19)

8. Adjust tilt as desired following instructions in **Tilt Adjustment Section**.
9. Loosen two button head cap screws at bottom of each interface bracket (A and B) at least four turns. (See Figure 20)

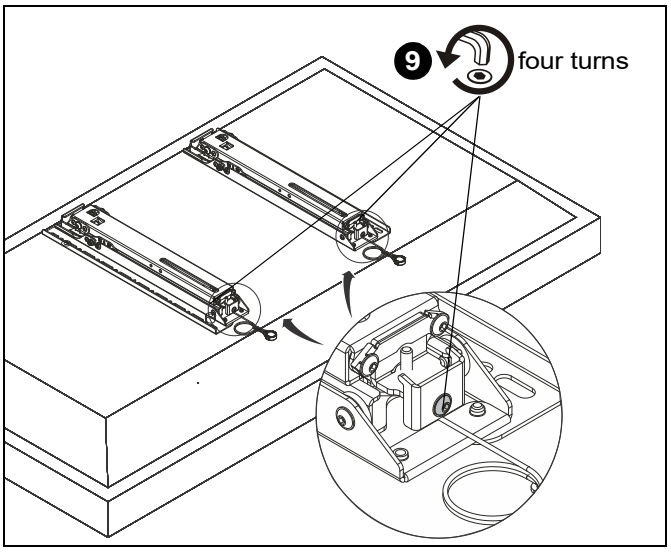


Figure 20

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 21)
11. Raise display with attached interface brackets and hook top of brackets into top of mount. (See Figure 21)
12. Slide interface rail hooks under lower rail. (See Figure 21)

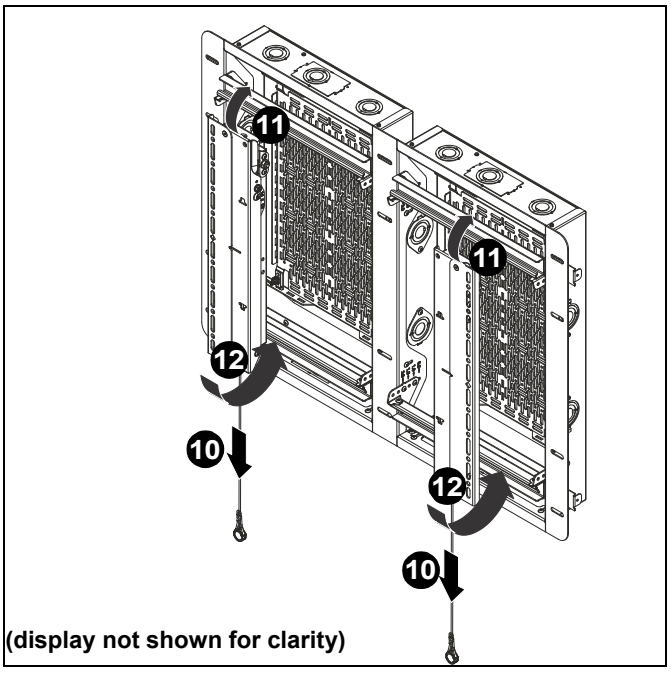


Figure 21

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 8 until interface rail hook is secured under lower rail on both interface brackets. (See Figure 22)

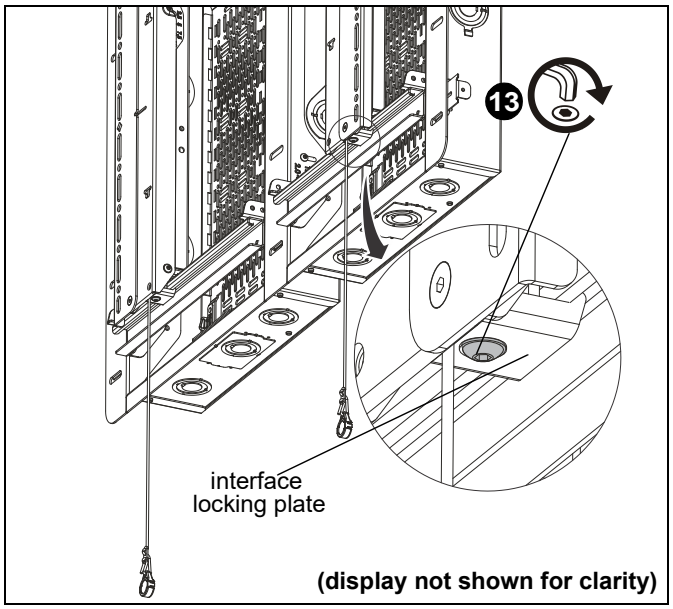


Figure 22

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 23)

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.

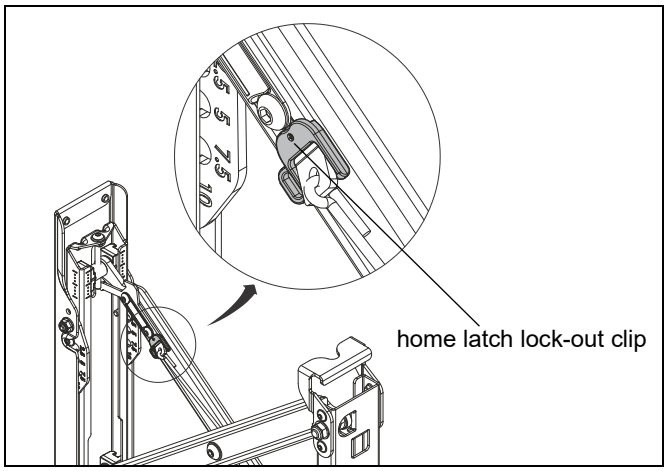


Figure 23

Adjustments

Tilt Adjustment

1. With display removed from mount, remove home tilt locking screws from interface brackets (A and B). (See Figure 24)

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 24)

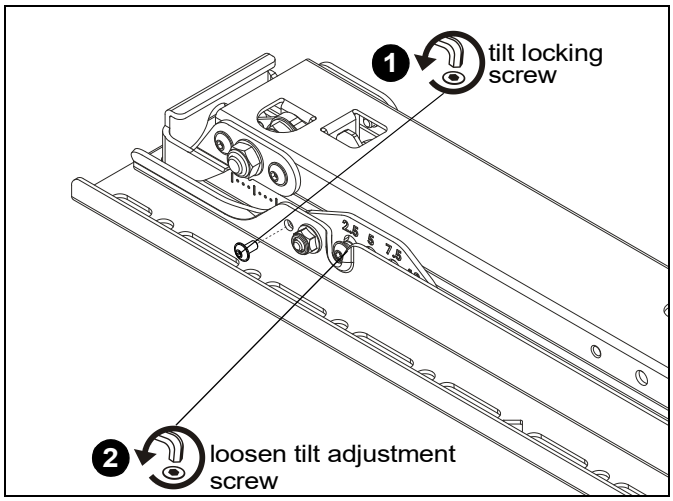


Figure 24

3. Adjust tilt to desired tilt angle. The tilt may be adjusted in 2.5" increments. (See Figure 25)

4. Tighten tilt adjustment screws to lock tilt position. (See Figure 25)

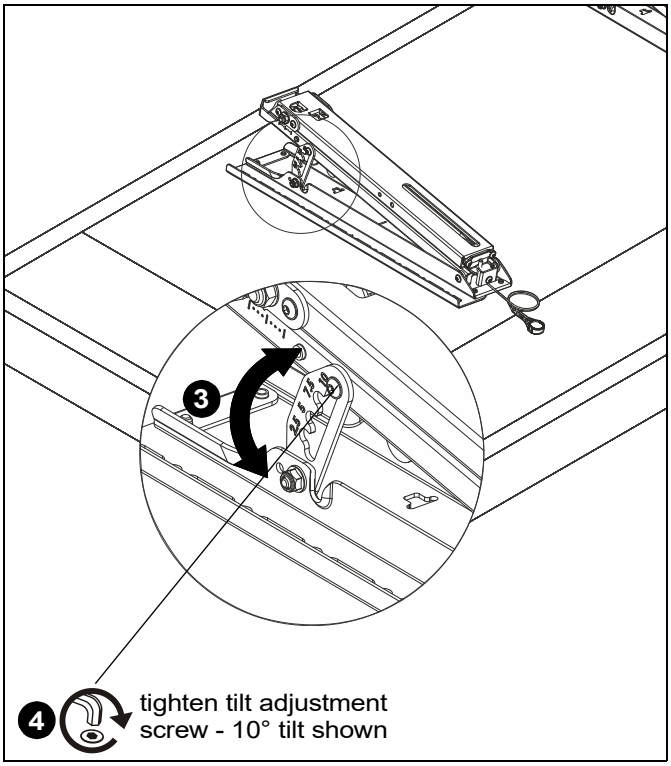


Figure 25

Plumb Adjustment

1. Adjust plumb adjustment screws to adjust plumb of each interface bracket (A and B). (See Figure 26)

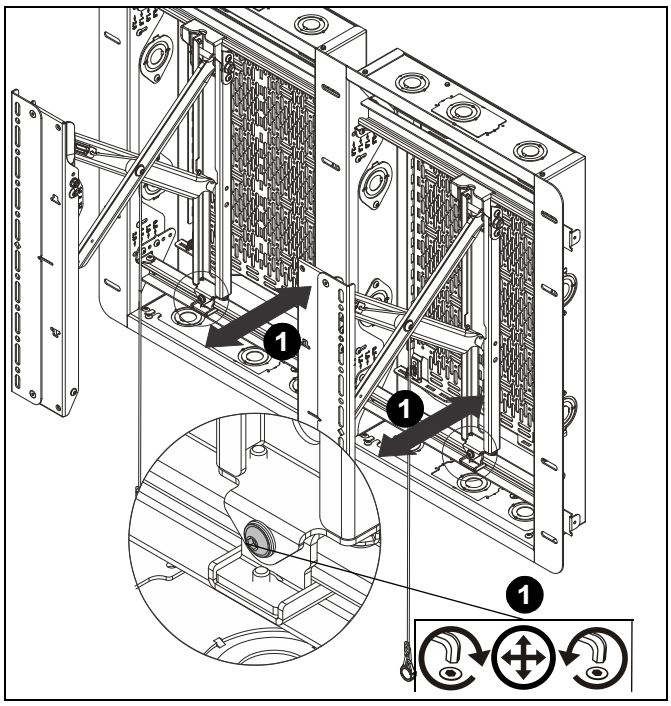


Figure 26

Micro Height Adjustment

1. Adjust micro height-adjustment screws to make minor adjustments to height of each interface bracket (A and B). (See Figure 27)

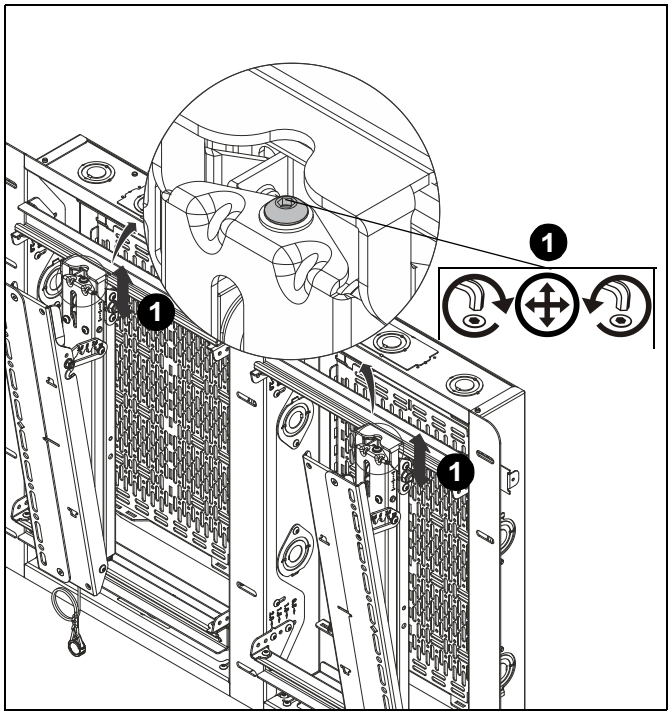


Figure 27

2. Refer to height adjustment markings on side of each interface bracket (A and B) to check adjusted height of each bracket. (See Figure 28)

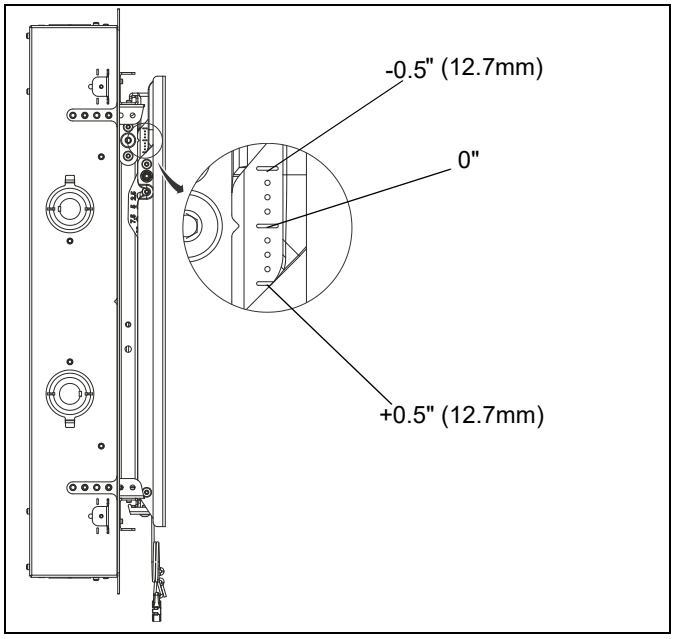


Figure 28

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 19 to create a cardboard shim tool. (See Figure 29)

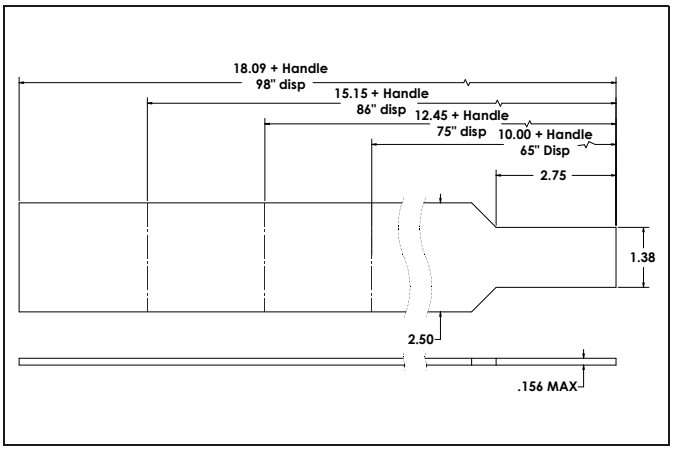


Figure 29

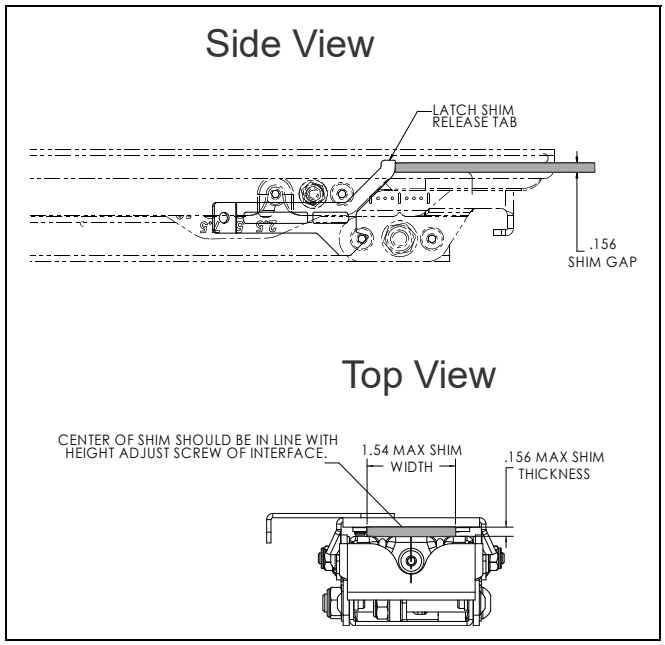


Figure 30

2. Place created shim tool down top of each upright and gently push and pull on display while shimming until it releases. (See Figure 31) and (See Figure)

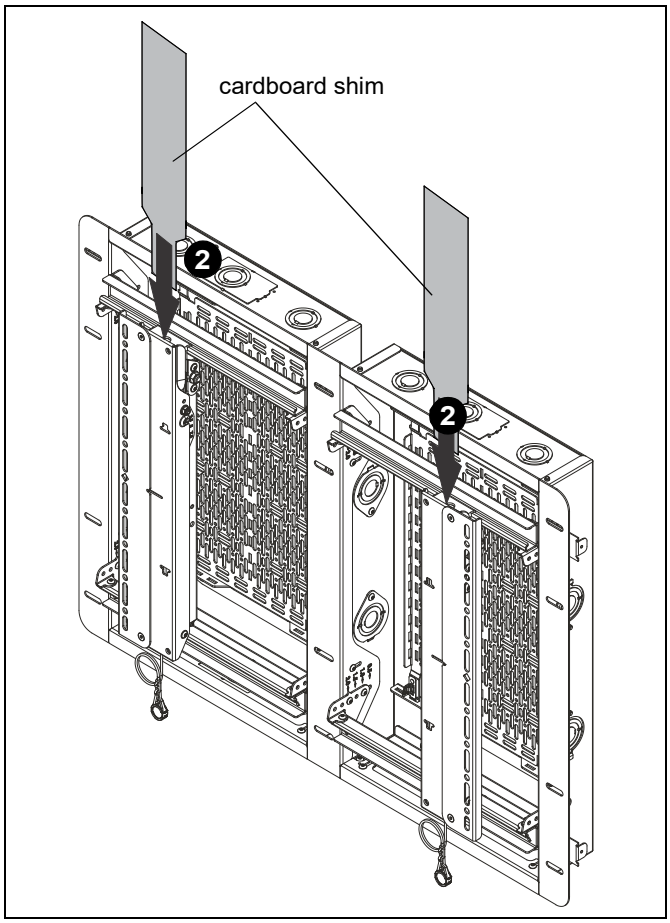


Figure 31

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 32)
2. When the mount releases, carefully grasp bezel edges of display and pull out slowly.
3. A Screwdriver or metal rod may be inserted through holes to lock brackets in service position. (See Figure 32)
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 32)

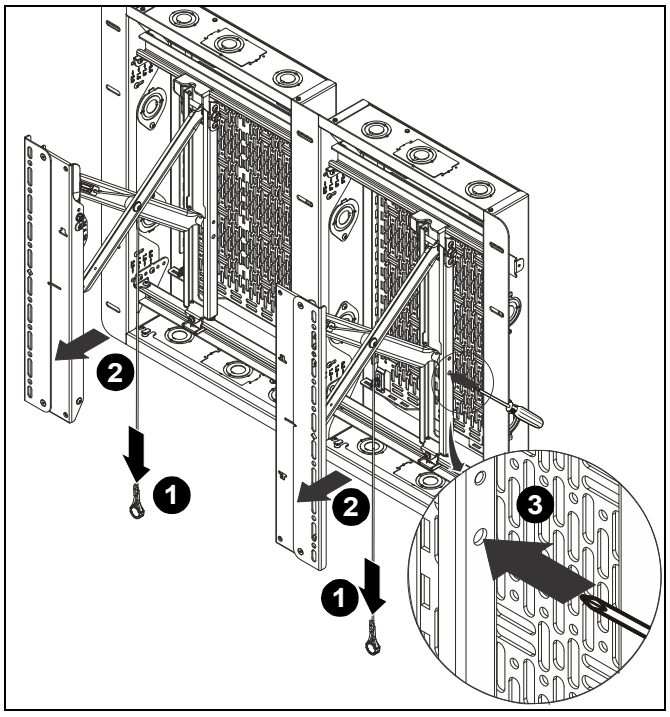
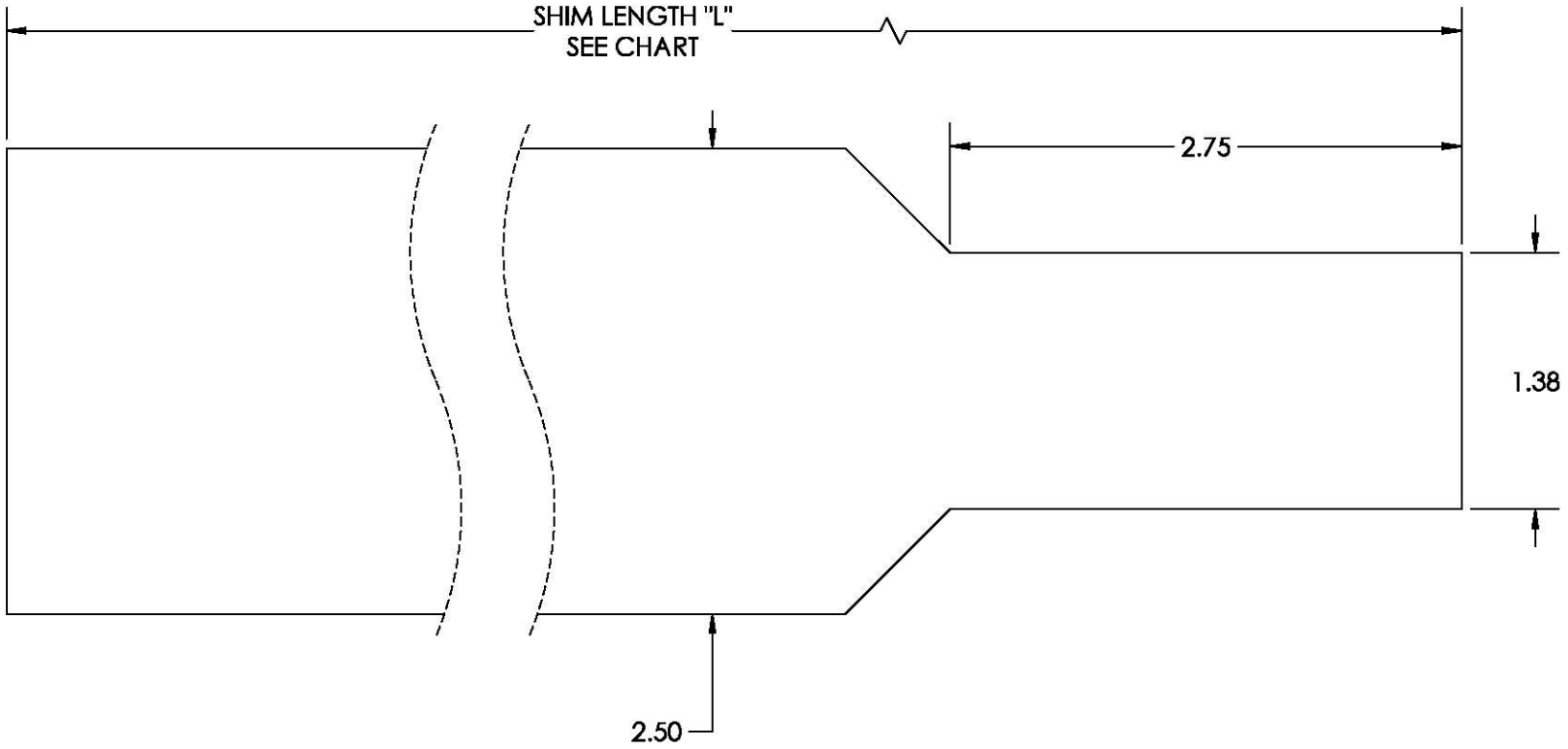


Figure 32

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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