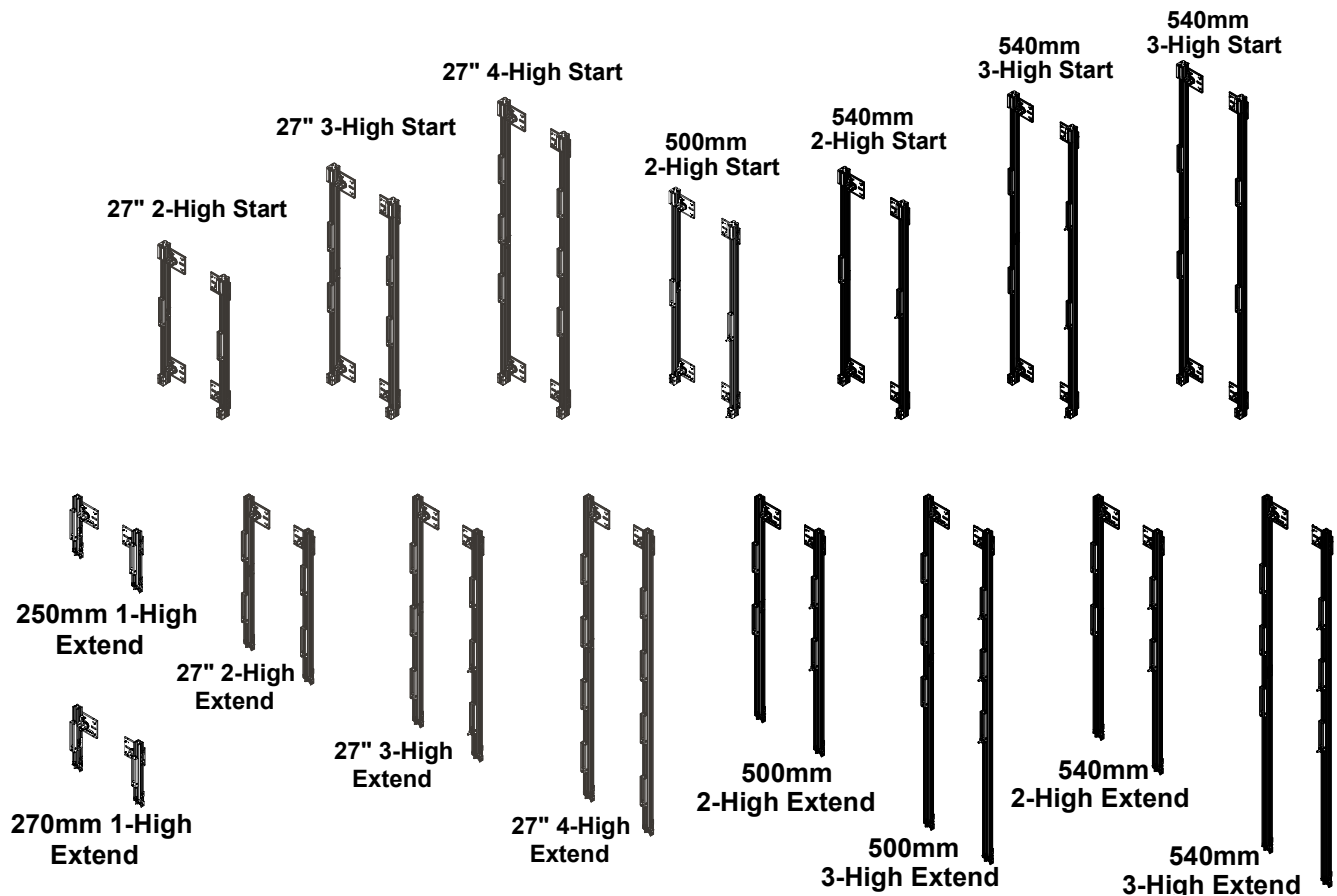


INSTALLATION INSTRUCTIONS



Universal LED Wall Mounts

CHIEF®

A brand of **legrand**

DVM-U Series

DISCLAIMER

Legrand | AV and its affiliated corporations and subsidiaries (collectively "Legrand | AV"), intend to make this manual accurate and complete. However, Legrand | AV 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. Legrand | AV makes no representation of warranty, expressed or implied, regarding the information contained herein. Legrand | AV assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

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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



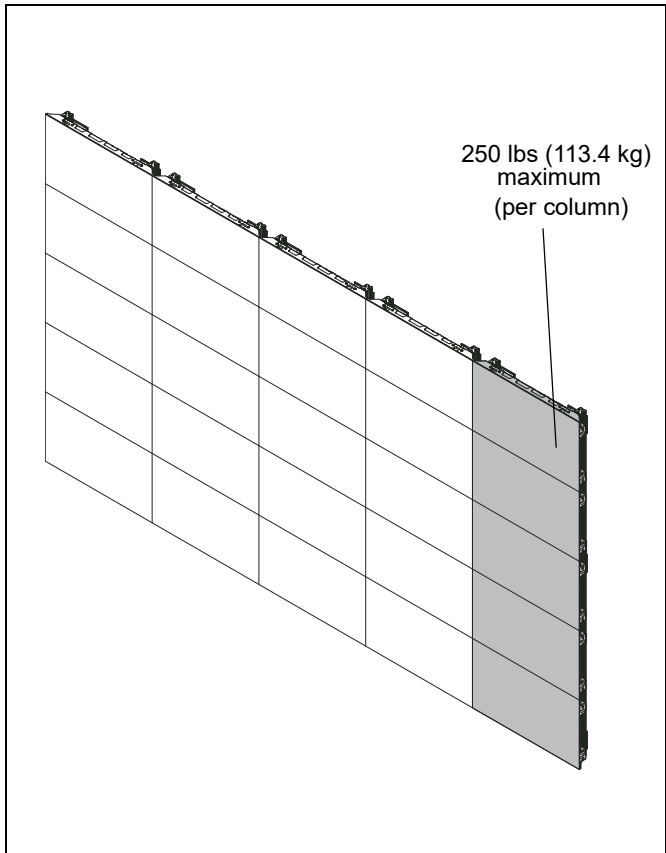
WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all mounting systems are properly assembled and installed using the instructions provided.



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 5/8" (1.6cm). Do not install drywall anchors into the seam between drywall pieces.



WARNING: The DVM-U Series LED wall mounts are designed for use with LED panels only. Exceeding the weight capacity (listed) can result in serious personal injury or damage to equipment! Do NOT attach LED panels to DVM-U LED video wall mounts that exceed 250 lbs (113.4 kg) per column, regardless of the size or design of the configuration. See figure below for example.



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.



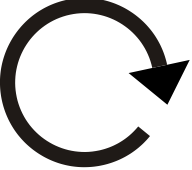
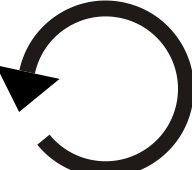
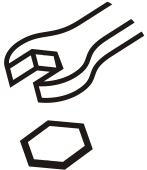
WARNING: Do not use this mounting system outdoors.

IMPORTANT ! : The DVM-U Series wall mounts are designed to be mounted to:

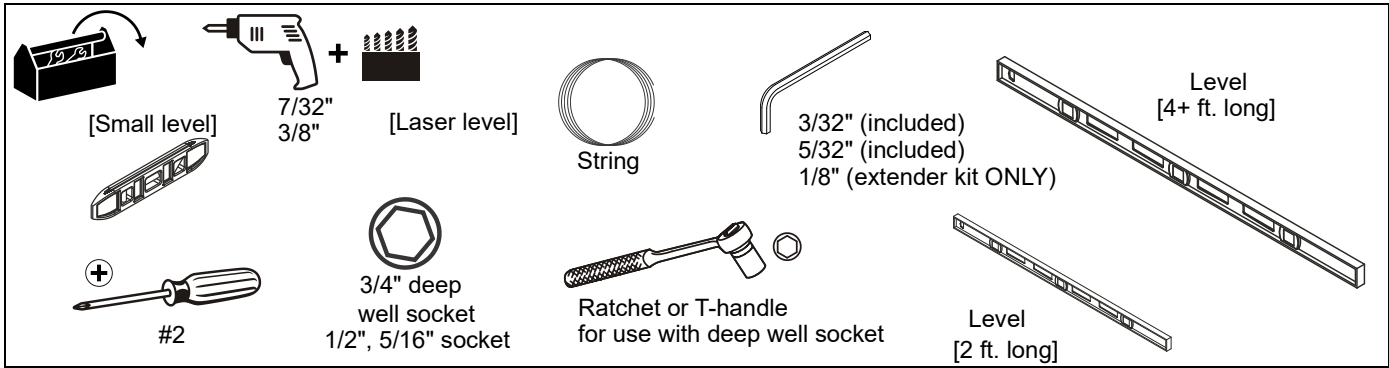
- an 8"x8"x16" concrete block wall; or
- a 3/4" thickness plywood-backed, 2" x 4" wood studs (16" on center minimum) wall with a maximum drywall thickness of 5/8"; or
- a 3/4" thickness plywood-backed, steel stud wall covered with drywall having a maximum thickness of 5/8".

--SAVE THESE INSTRUCTIONS--

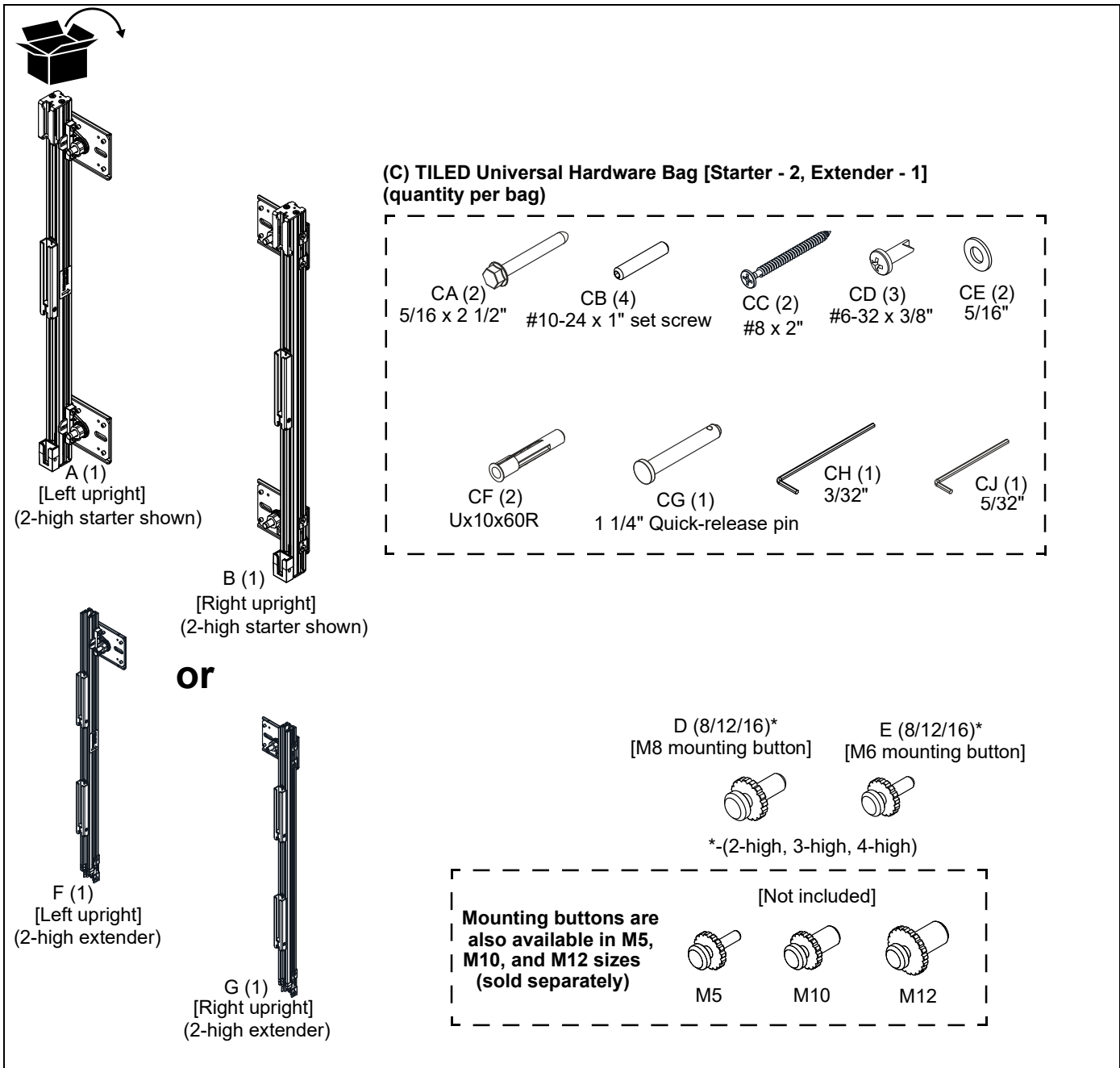
LEGEND

	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 Potloodmerkten 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

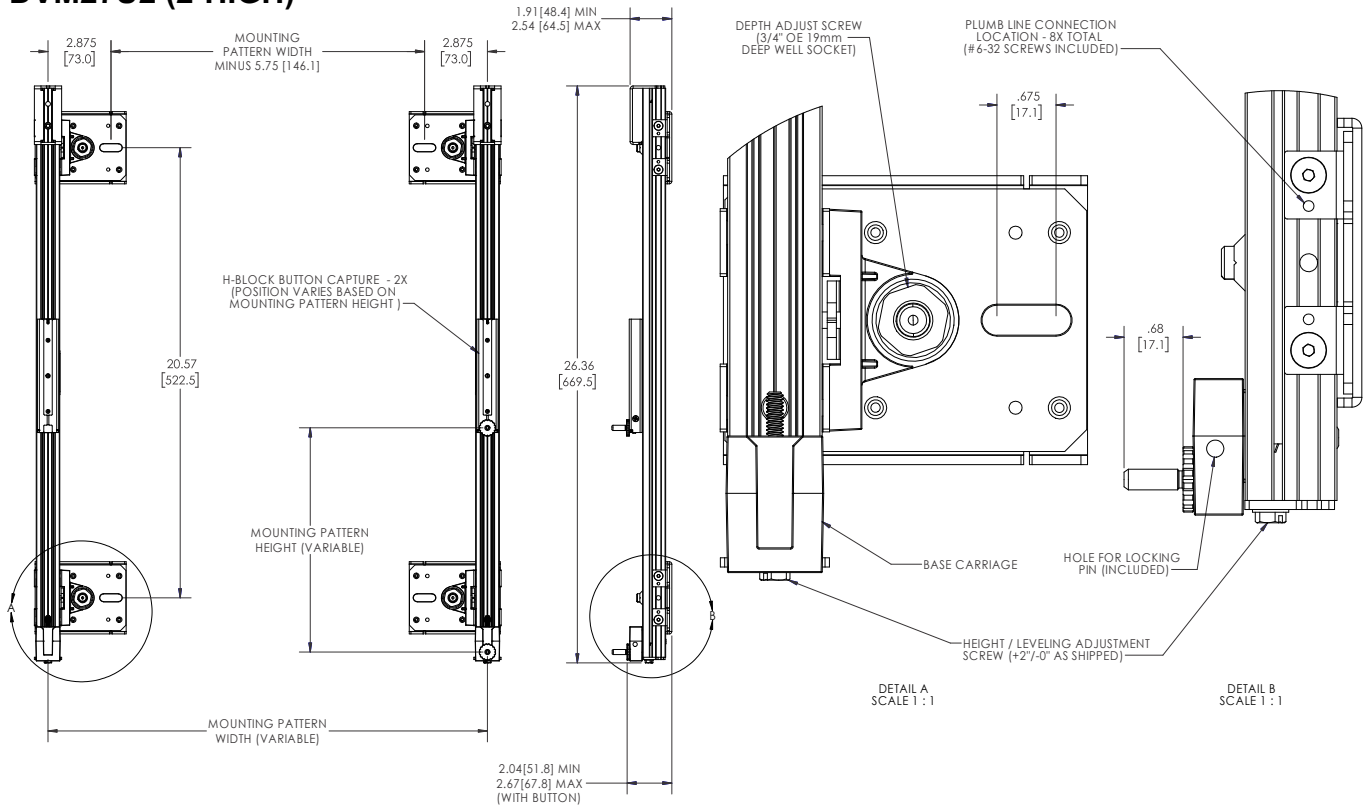


PARTS

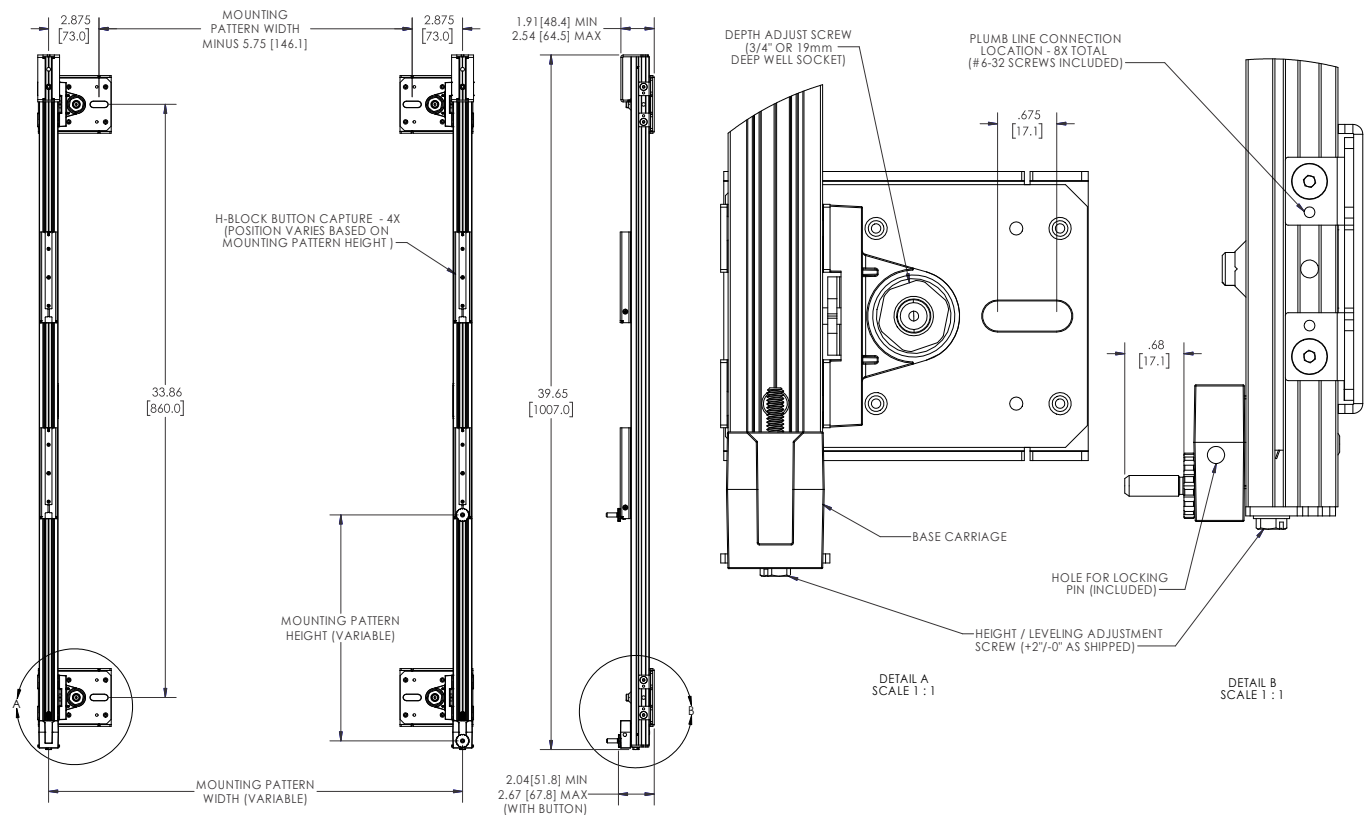


DIMENSIONS

DVM27U2 (2-HIGH)

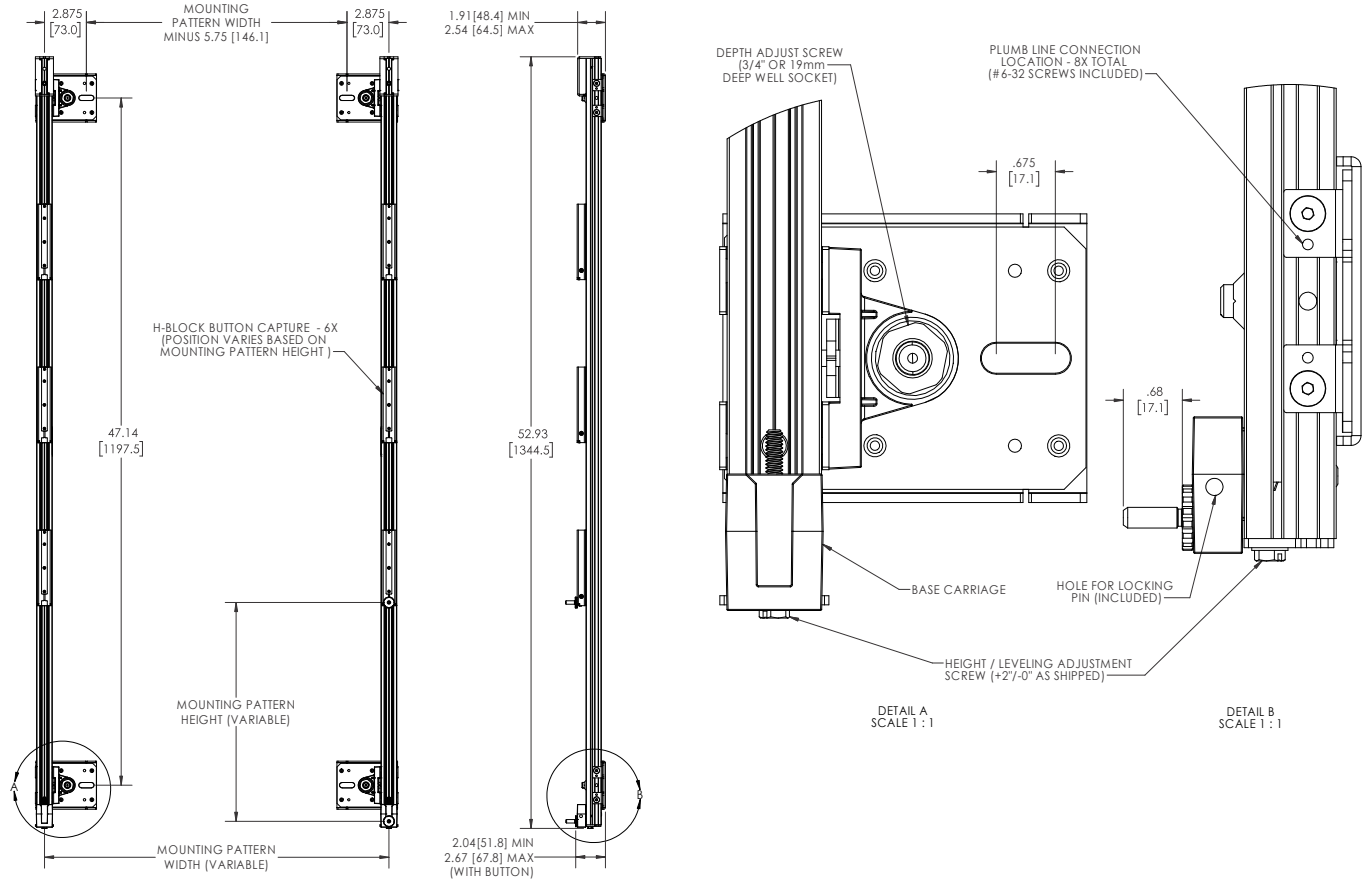


DVM27U3 (3-HIGH)

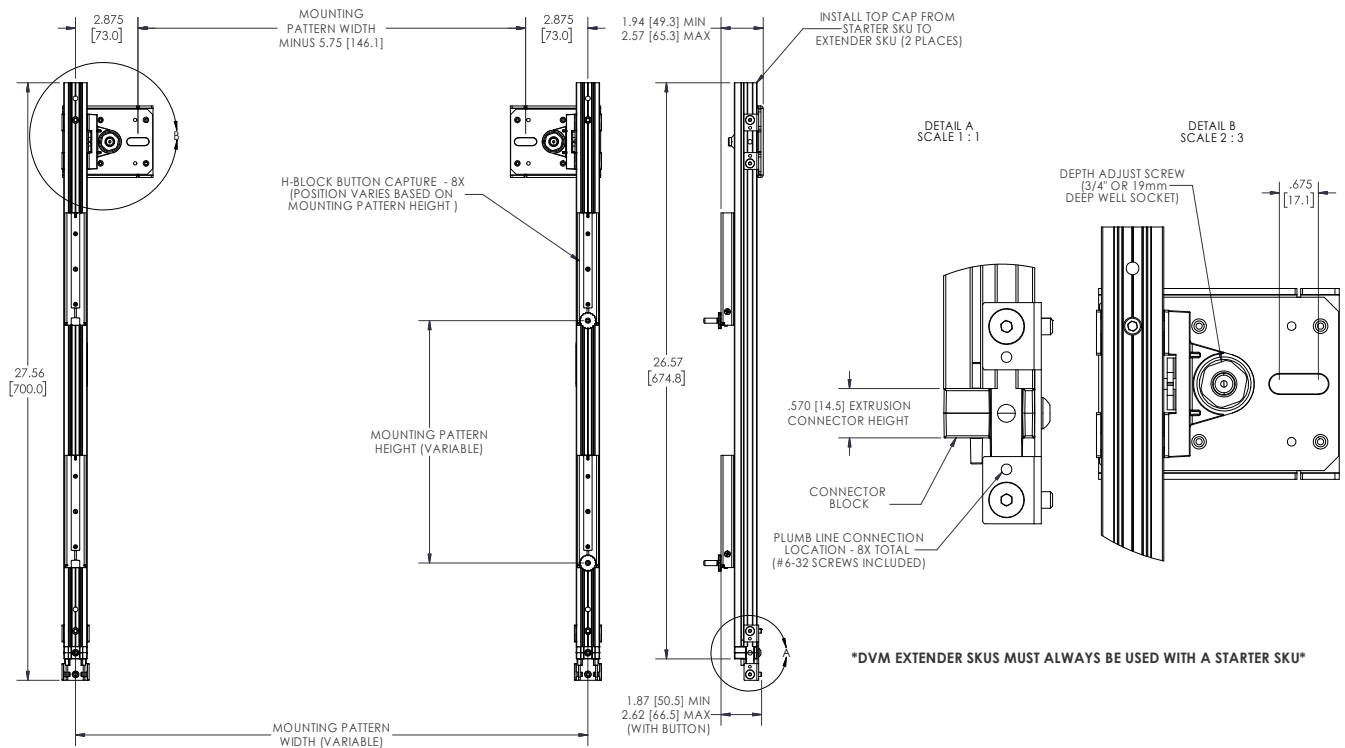


DIMENSIONS

DVM27U4 (4-HIGH)

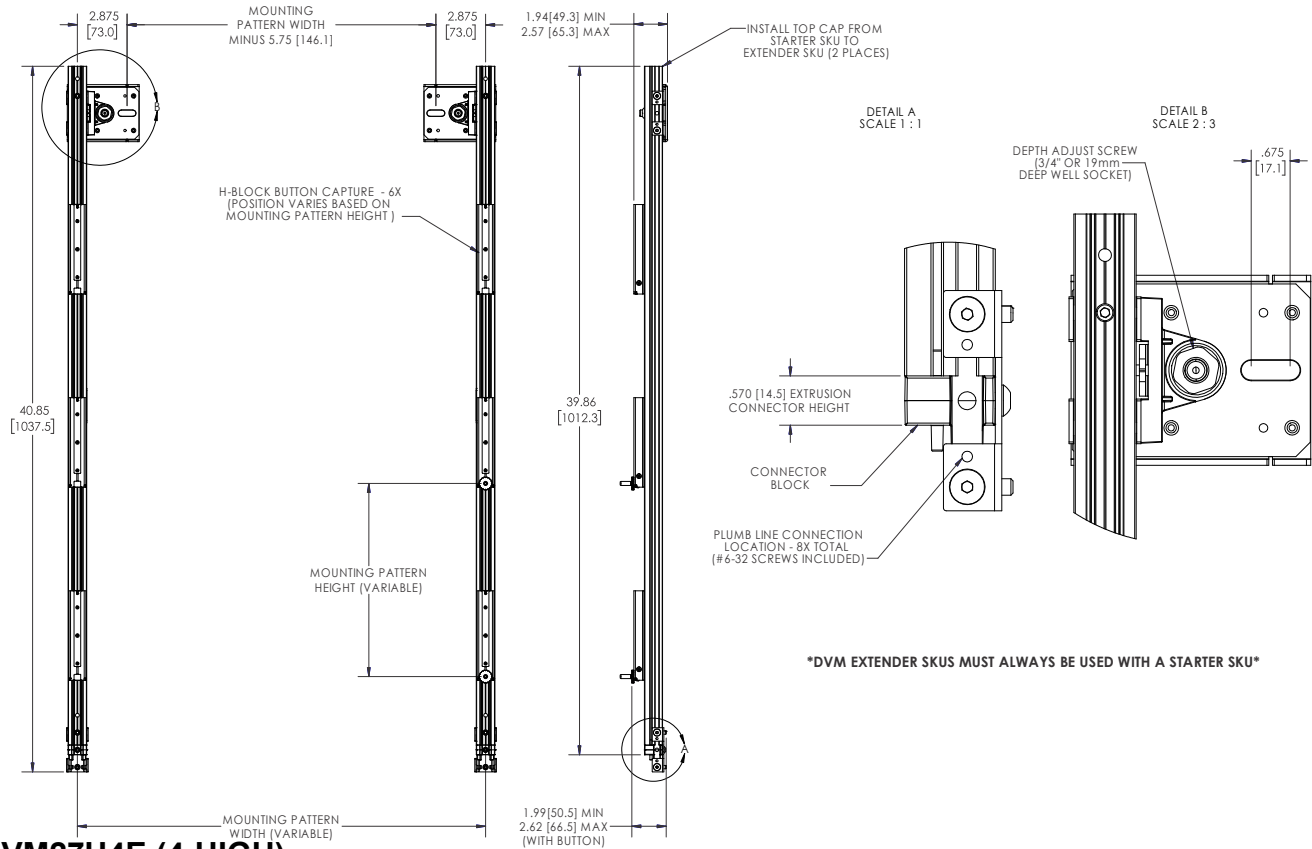
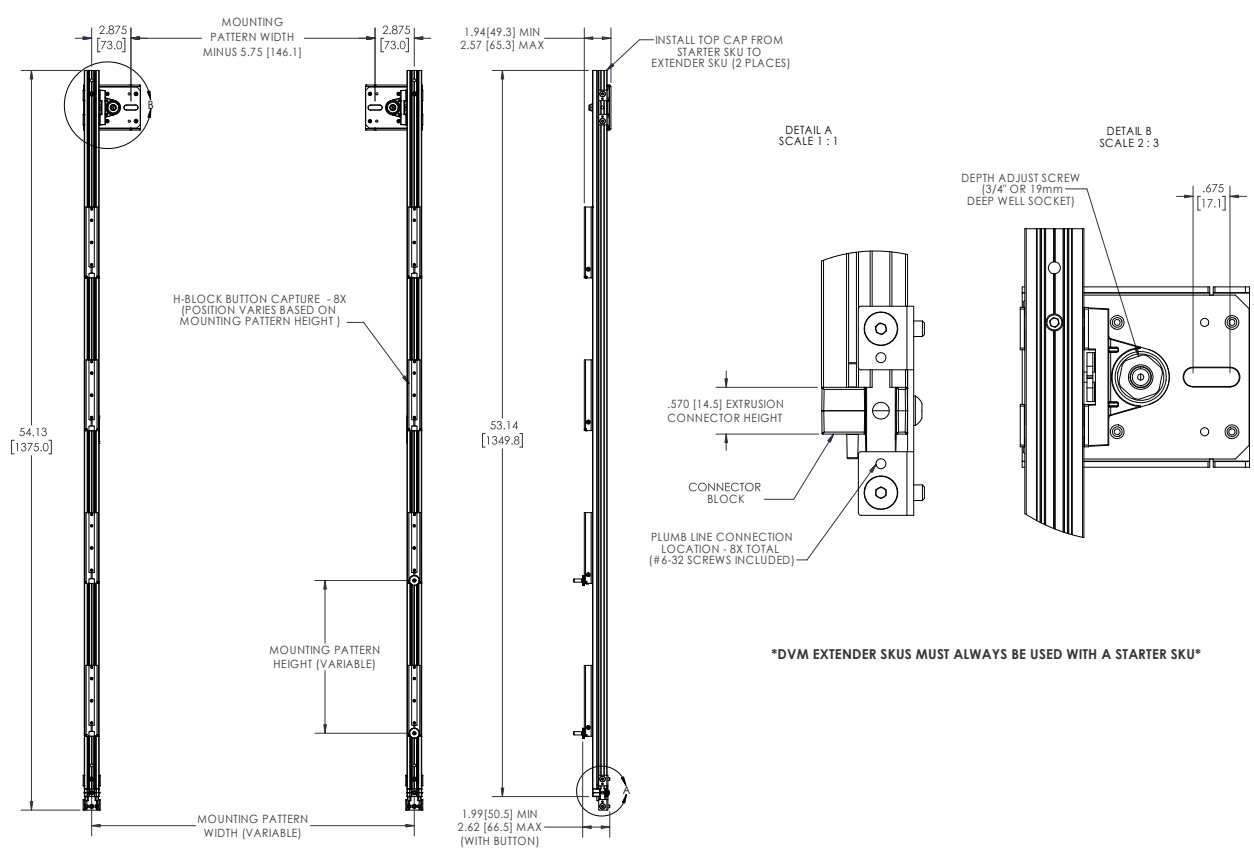


DVM27U2E (2-HIGH)



DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

DIMENSIONS

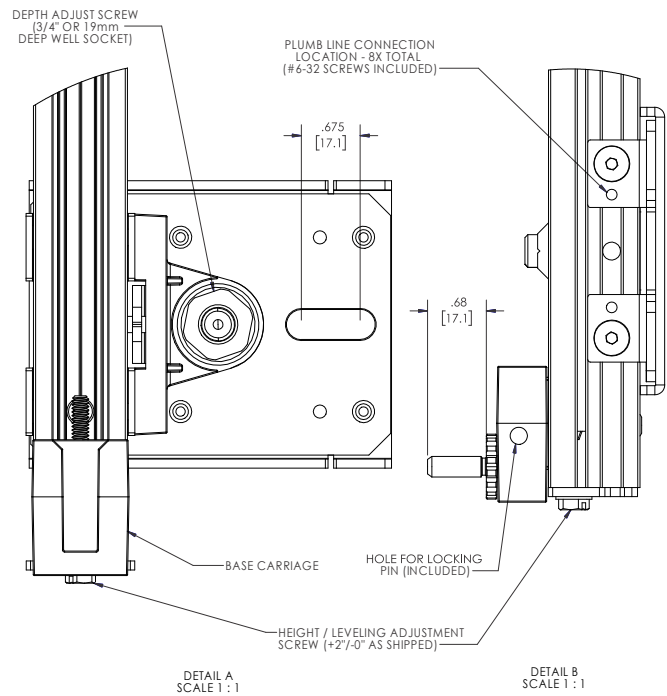
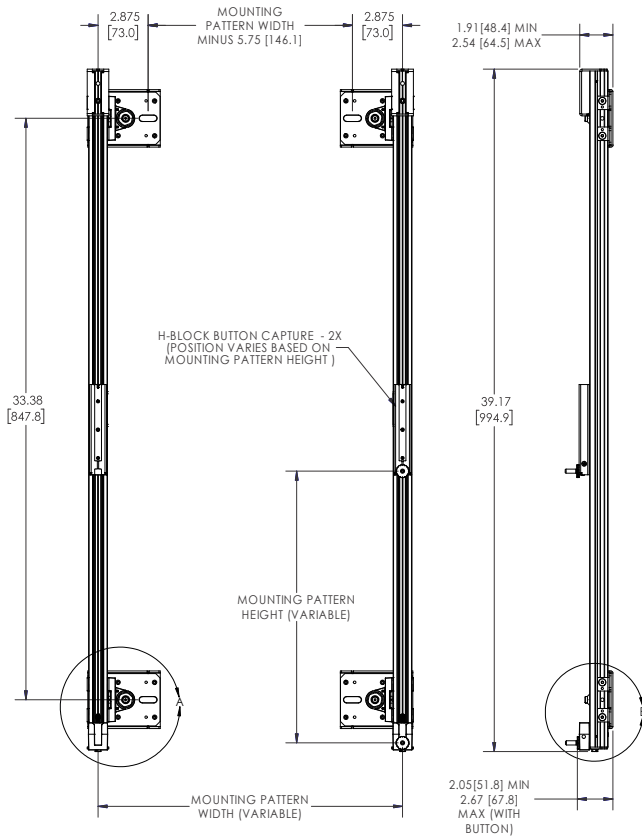
DVM27U3E (3-HIGH)**DVM27U4E (4-HIGH)**

DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

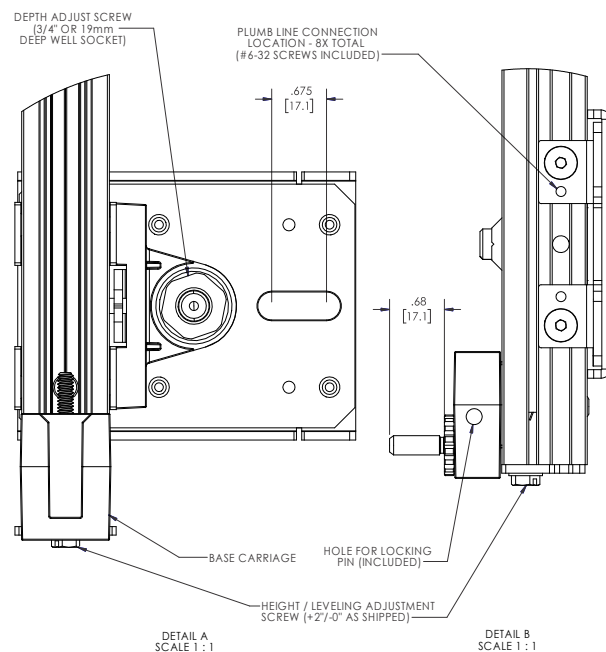
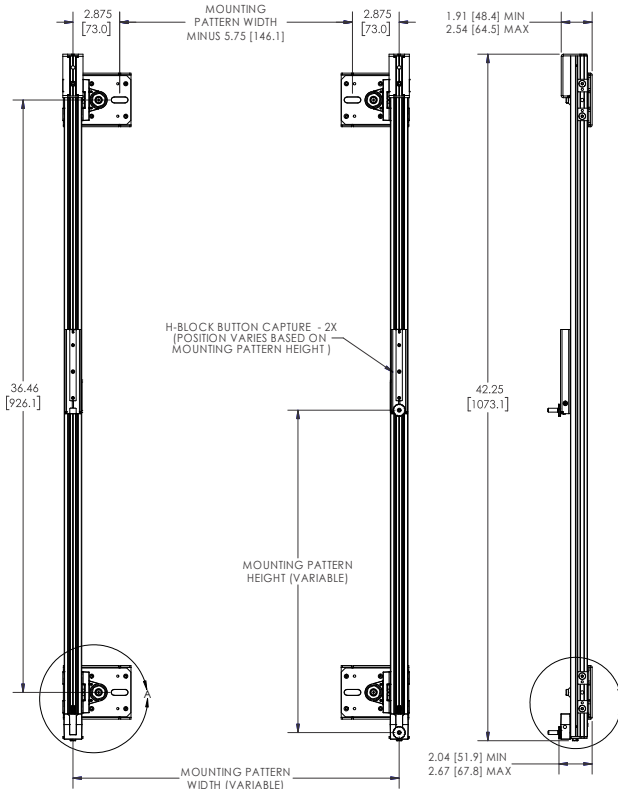
DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

DIMENSIONS

DVM0500U2 (2-HIGH)

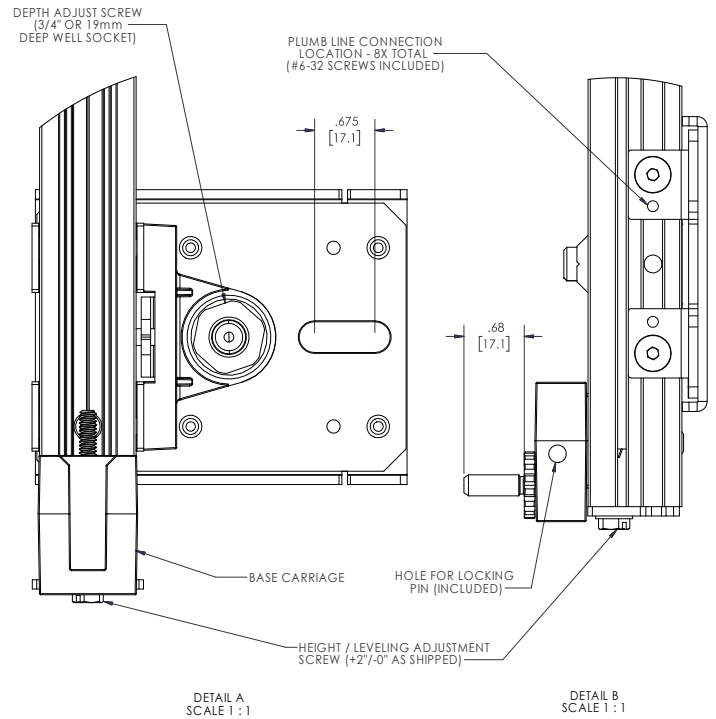
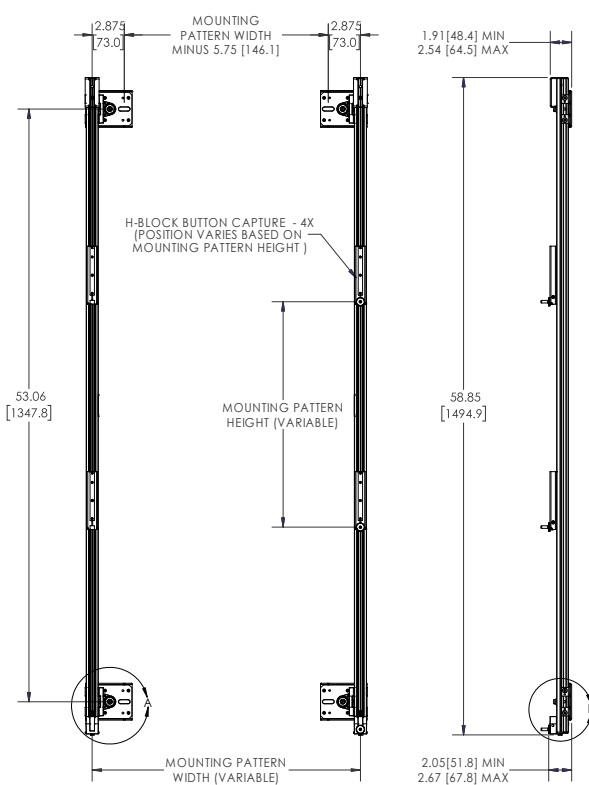


DVM0540U2 (2-HIGH)

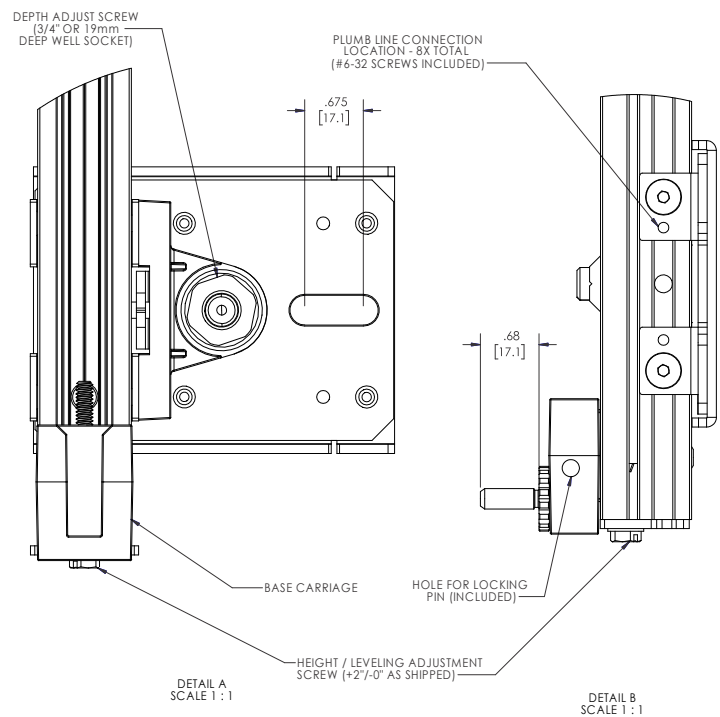
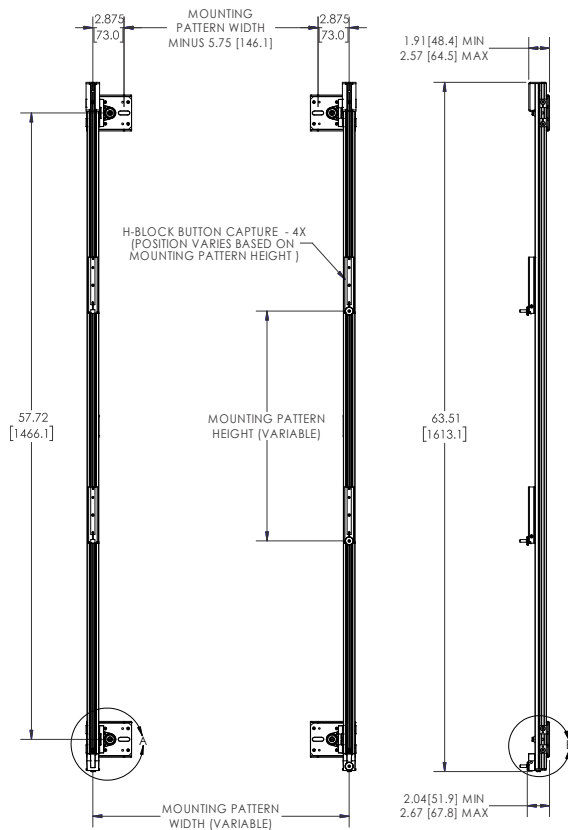


DIMENSIONS

DVM0500U3 (3-HIGH)

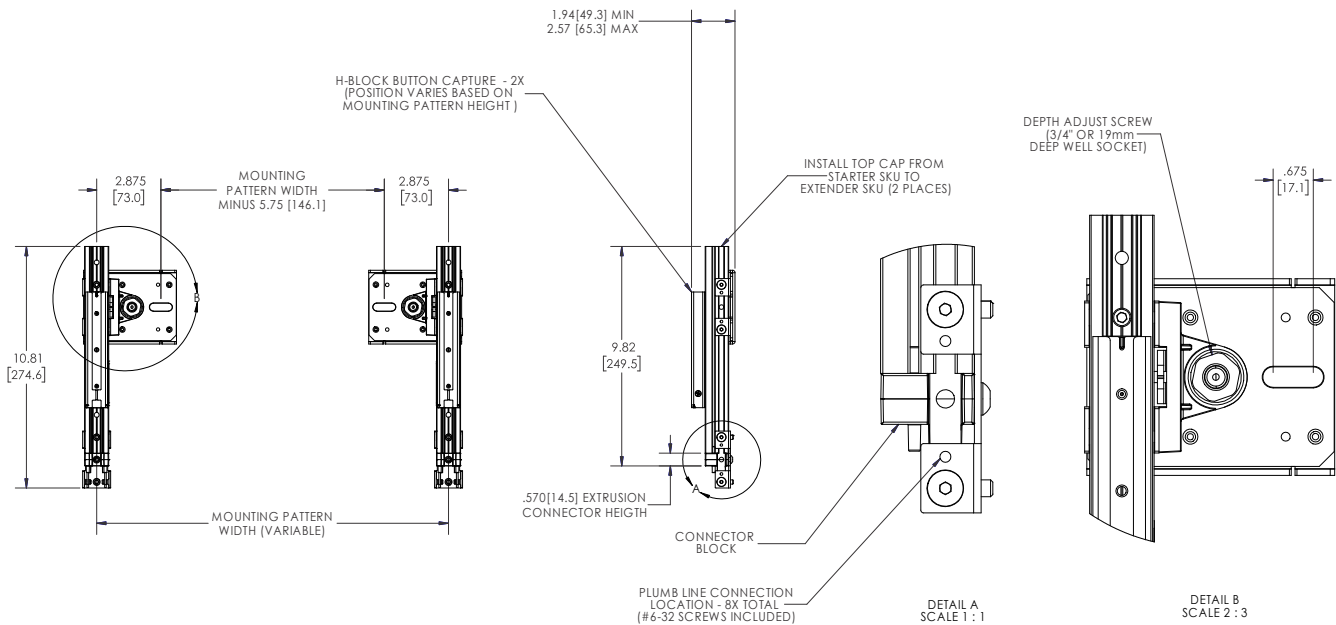


DVM0540U3 (3-HIGH)



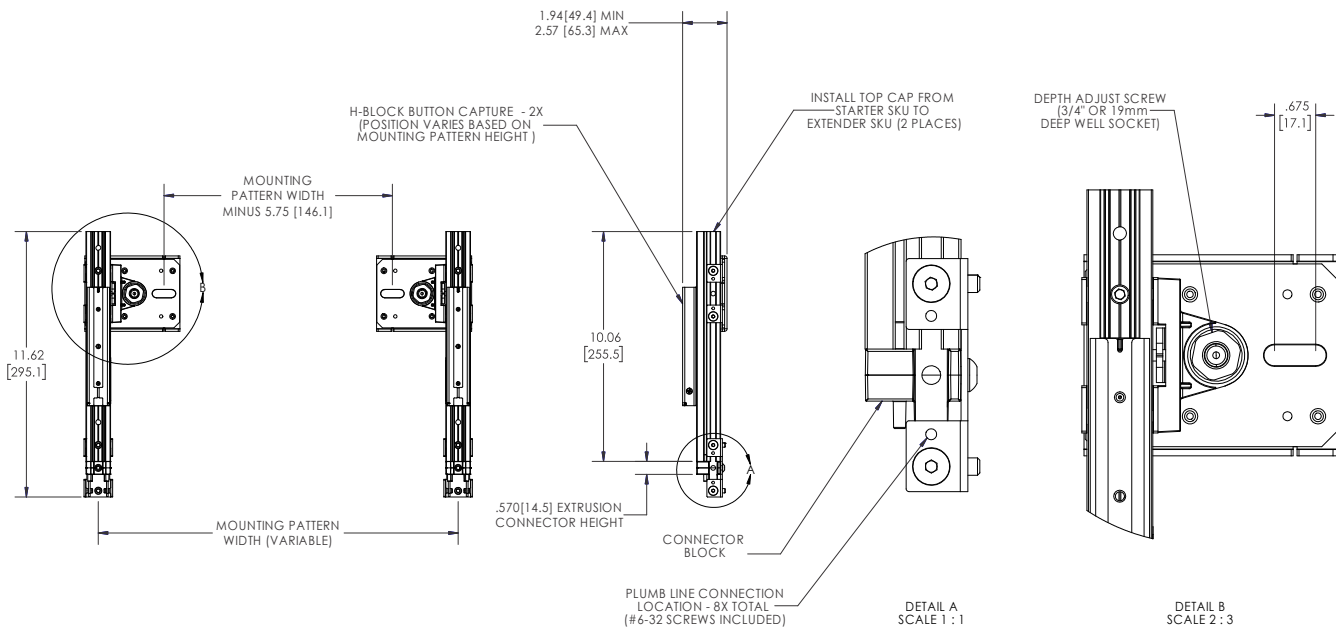
DIMENSIONS

DVM0250U1E (1-HIGH)



DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

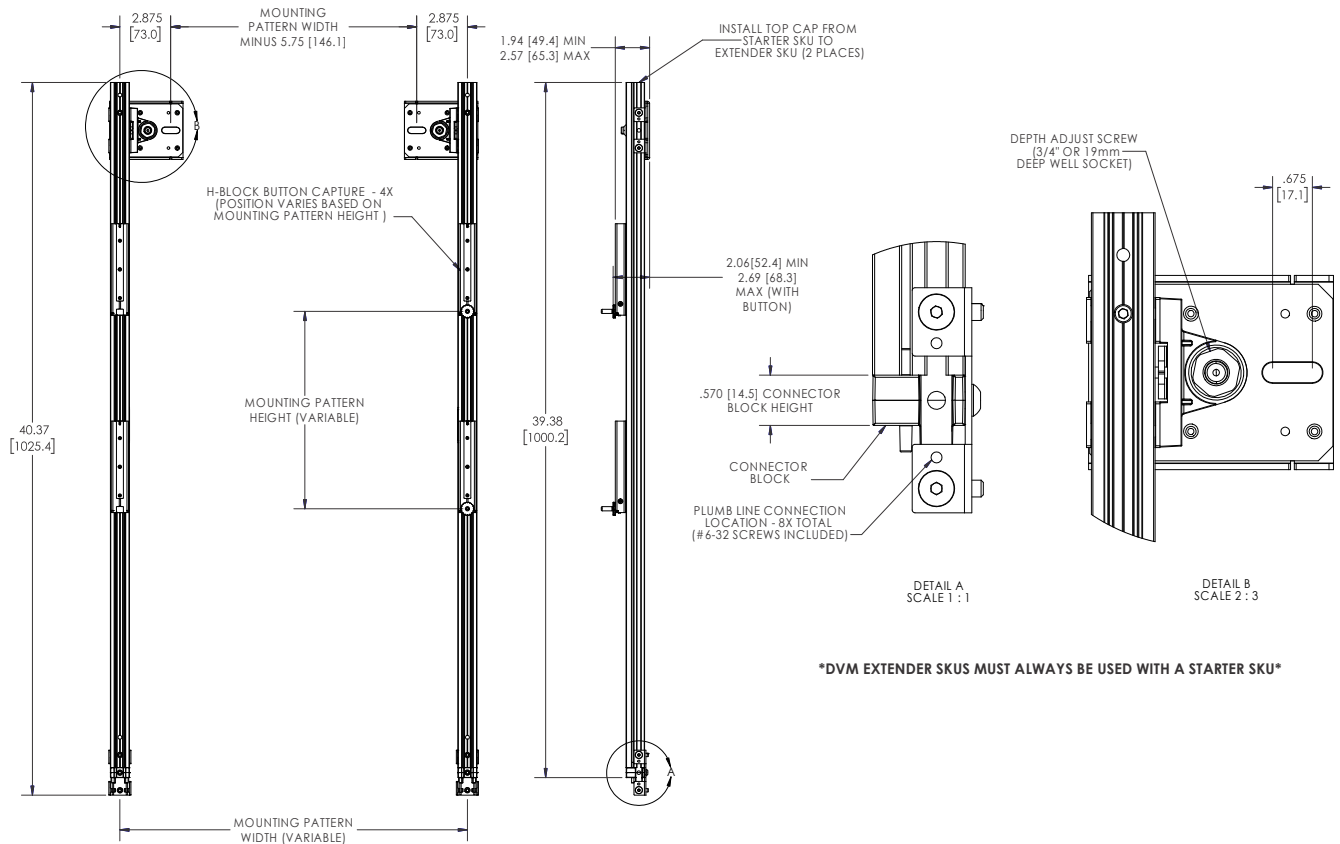
DVM0270U1E (1-HIGH)



DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

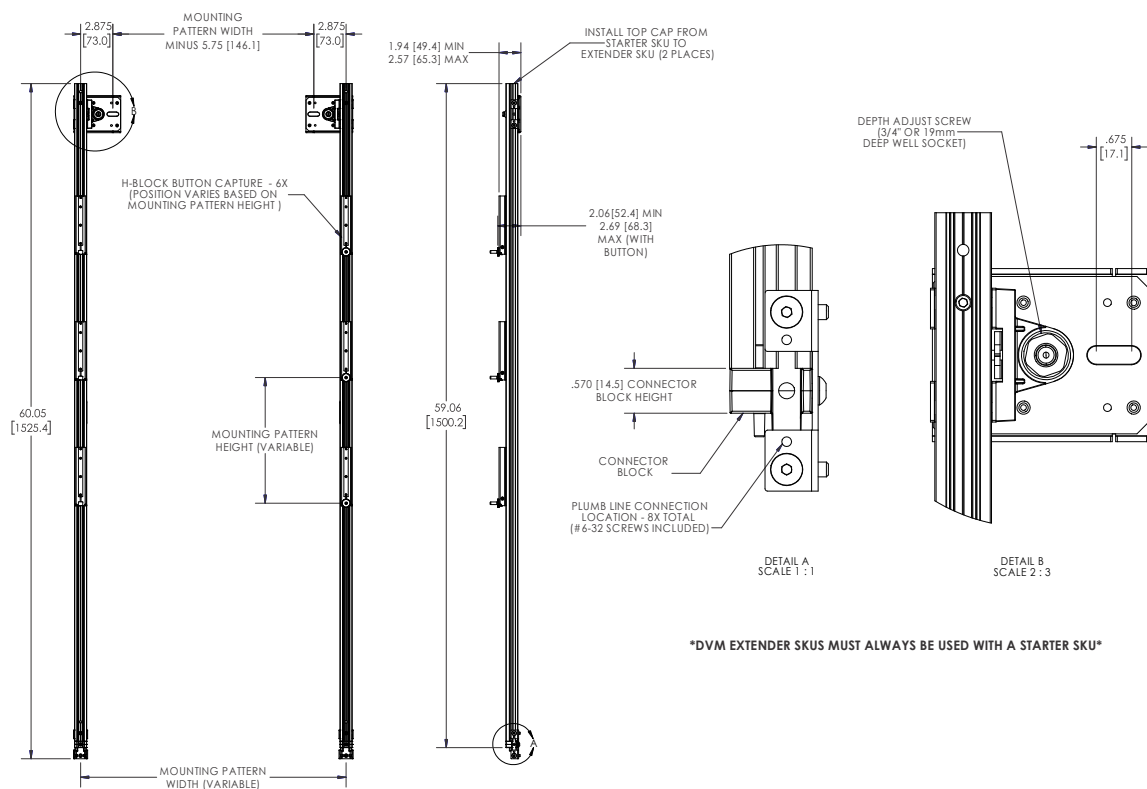
DIMENSIONS

DVM0500U2E (2-HIGH)



DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

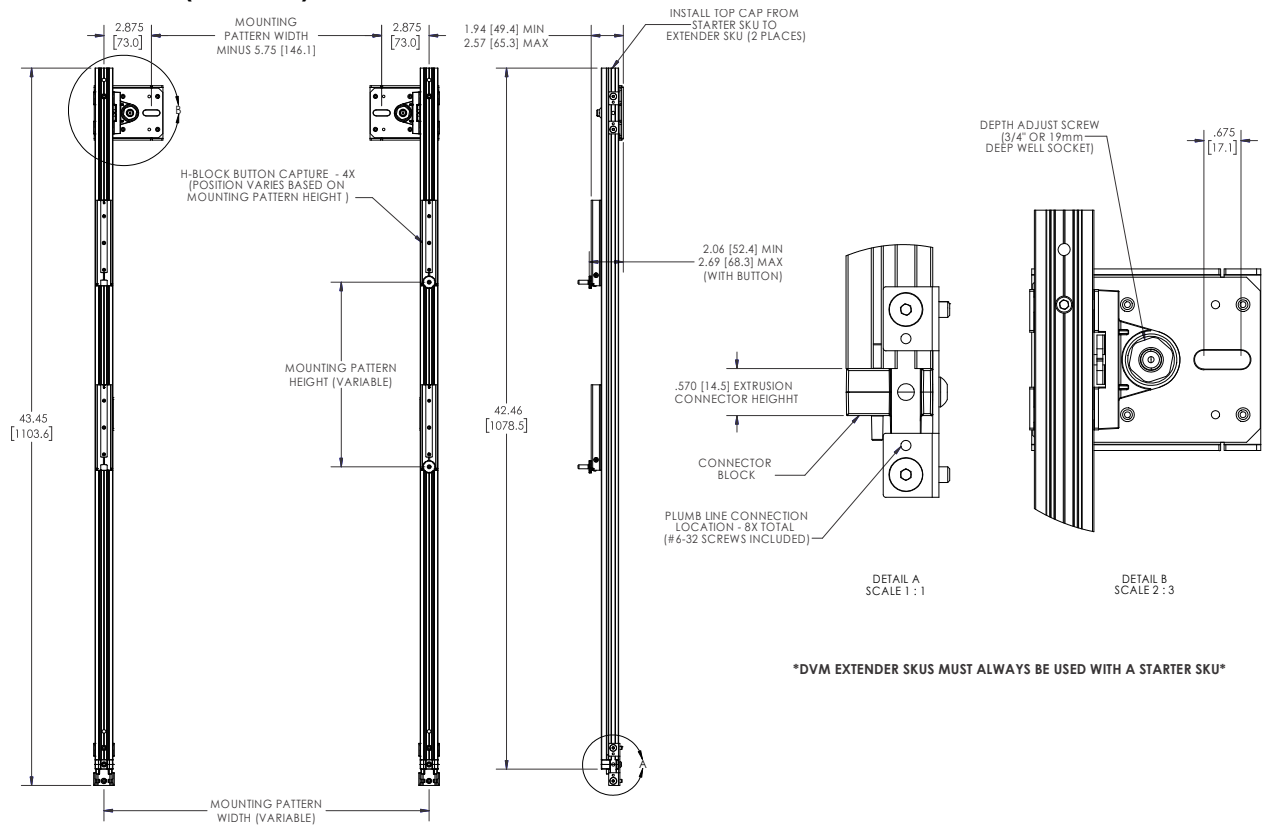
DVM0500U3E (3-HIGH)



DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

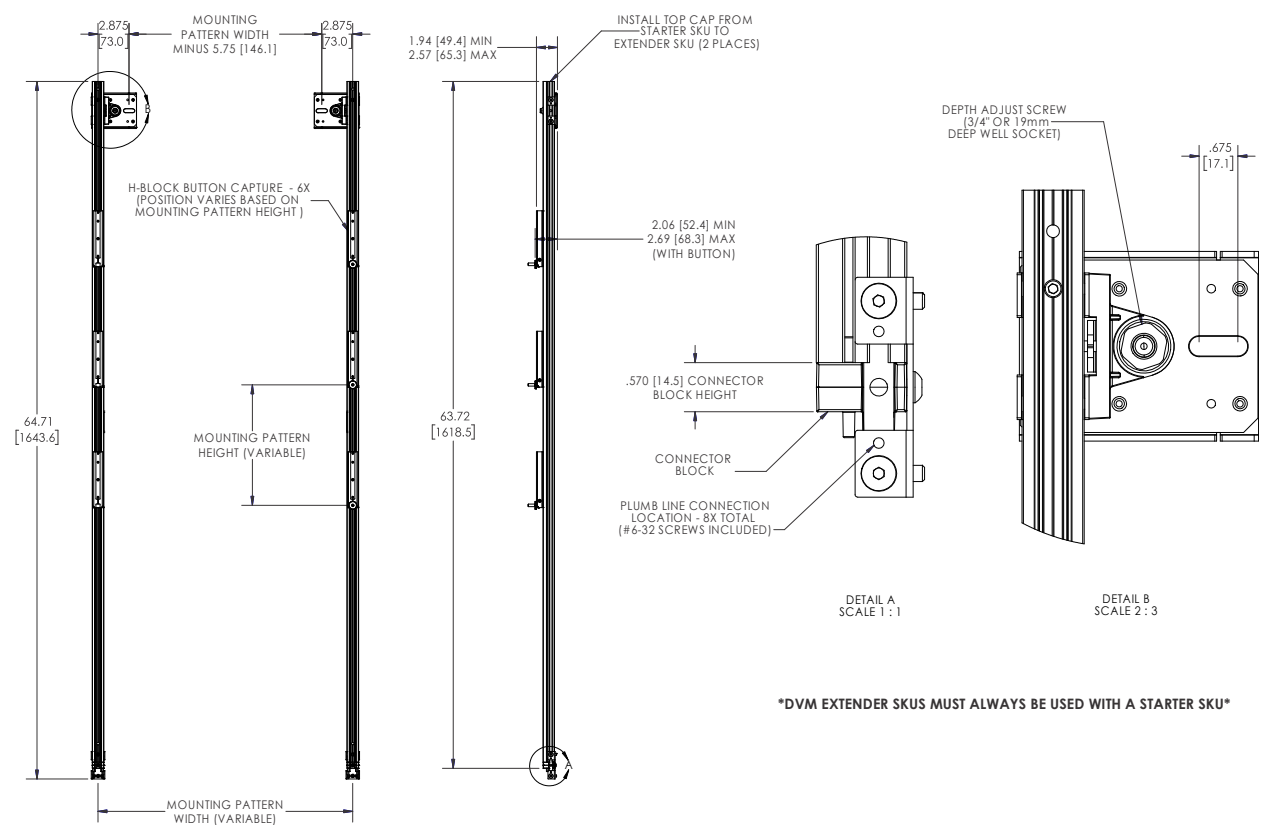
DIMENSIONS

DVM0540U2E (2-HIGH)

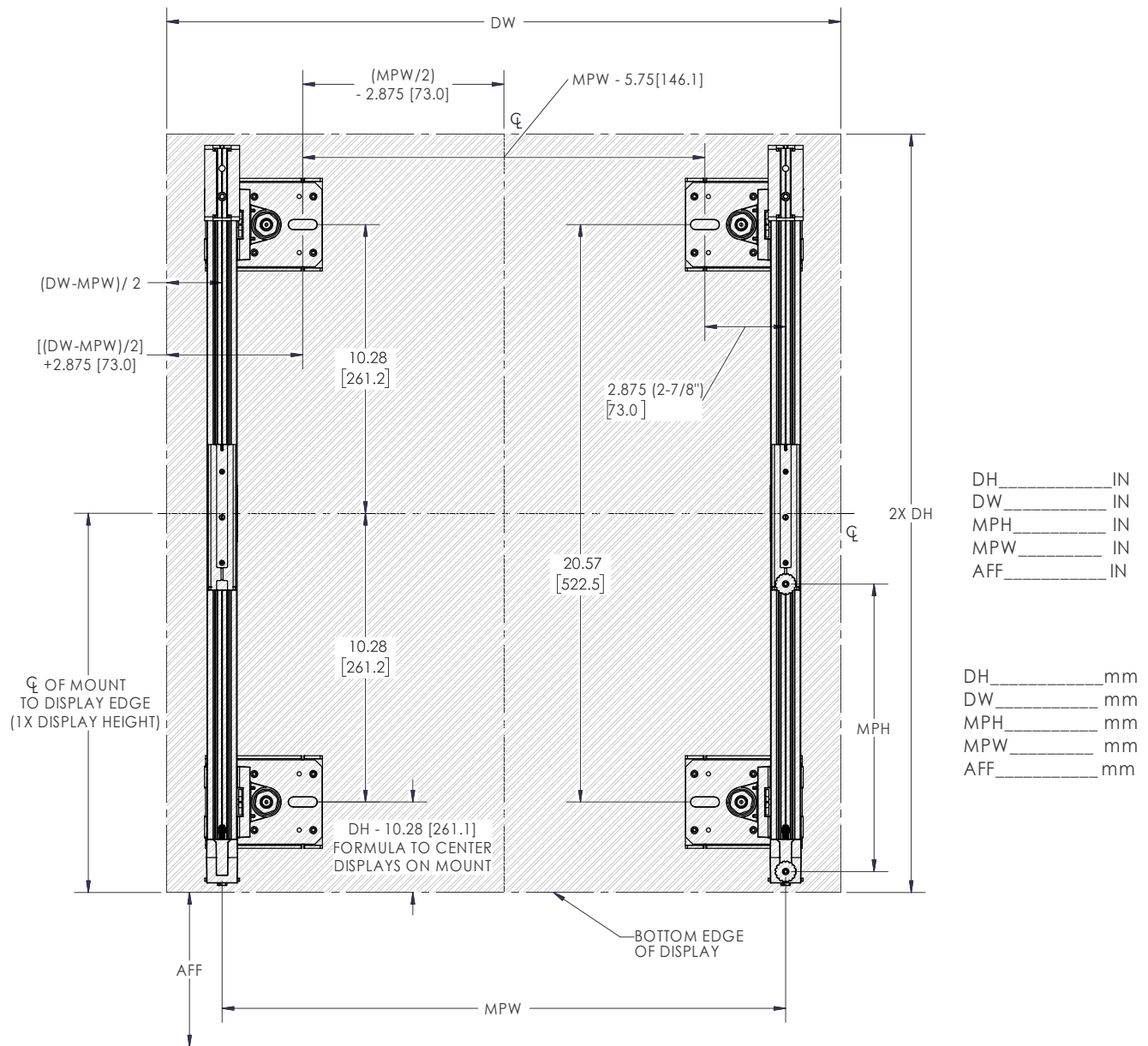


DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

DVM0540U3E (3-HIGH)



DVM EXTENDER SKUS MUST ALWAYS BE USED WITH A STARTER SKU

MEASUREMENT WORKSHEET - DVM27U2 (2-HIGH)

DVLED PANEL: _____

DH = DVLED DISPLAY HEIGHT
 DW = DVLED DISPLAY WIDTH
 MPH = MOUNTING PATTERN HEIGHT
 MPW = MOUNTING PATTERN WIDTH
 AFF = ABOVE FINISHED FLOOR

DVLED PANEL:

Technical drawing of a DVLED panel showing dimensions and formulas for mounting. The drawing includes a side view of the panel with mounting brackets and a top view showing the mounting pattern. Dimensions are given in inches and millimeters. Formulas for calculating mounting dimensions are provided.

Dimensions and Formulas:

- Top View Dimensions:**
 - DW : DVLED Display Width
 - $MPW/2$: Mounting Pattern Width / 2
 - $MPW - 5.75$ (5-3/4") [146.1]
 - 2.875 (2-7/8") [73.0]
 - $(DW - MPW) / 2$
 - $[(DW - MPW) / 2] + 2.875$ [73.0]
 - 23.57 [598.7]
 - 47.14 [1197.5]
- Side View Dimensions:**
 - $4X DH$: Four times the DVLED Display Height
 - MPH : Mounting Pattern Height
 - AFF : Above Finished Floor
 - $2(DH) - 23.57$ [598.7] FORMULA TO CENTER DISPLAYS ON MOUNT

Legend:

- DH _____ IN
- DW _____ IN
- MPH _____ IN
- MPW _____ IN
- AFF _____ IN
- DH _____ mm
- DW _____ mm
- MPH _____ mm
- MPW _____ mm
- AFF _____ mm

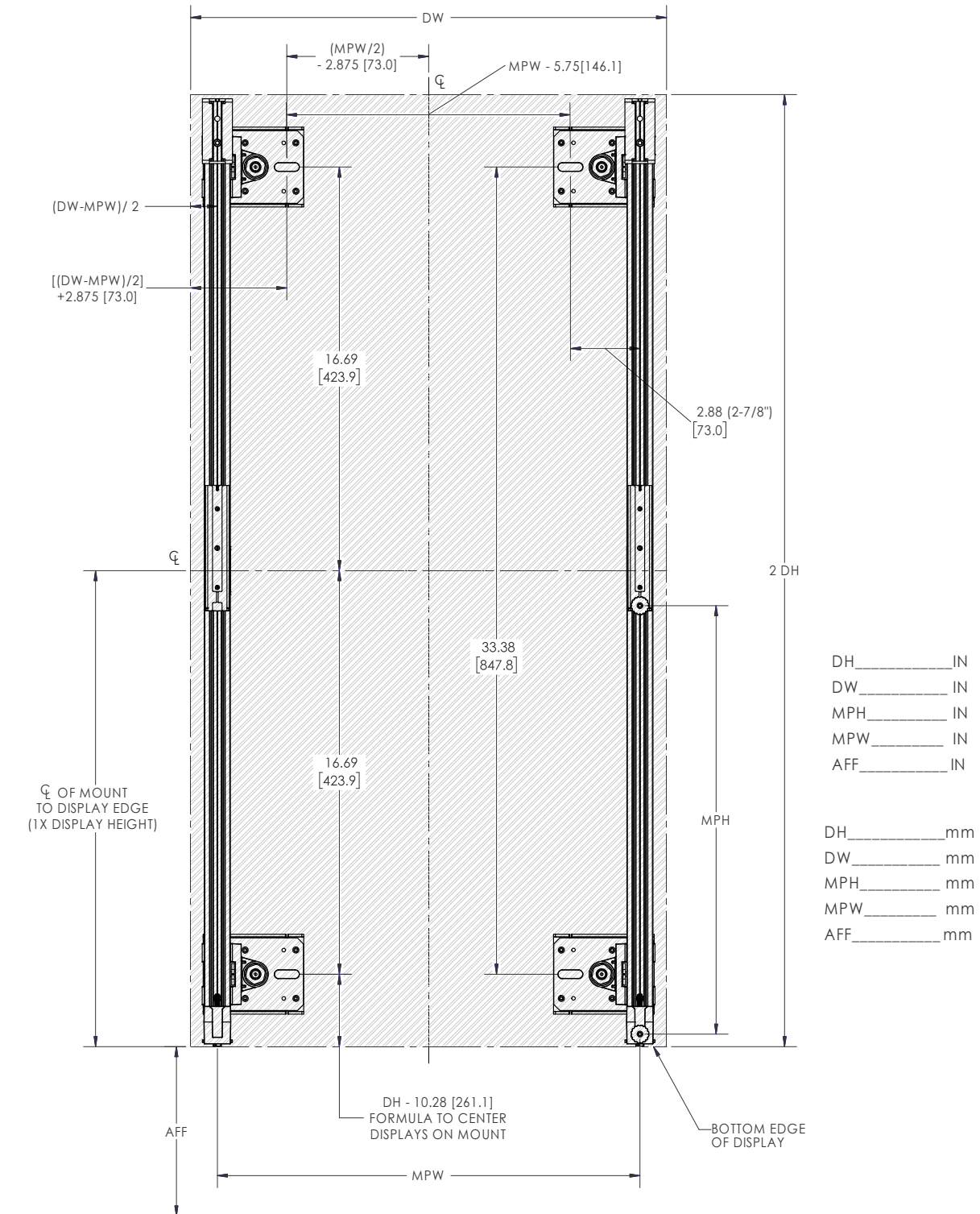
Bottom Edge of Display:

DVLED PANEL: _____

Legend:

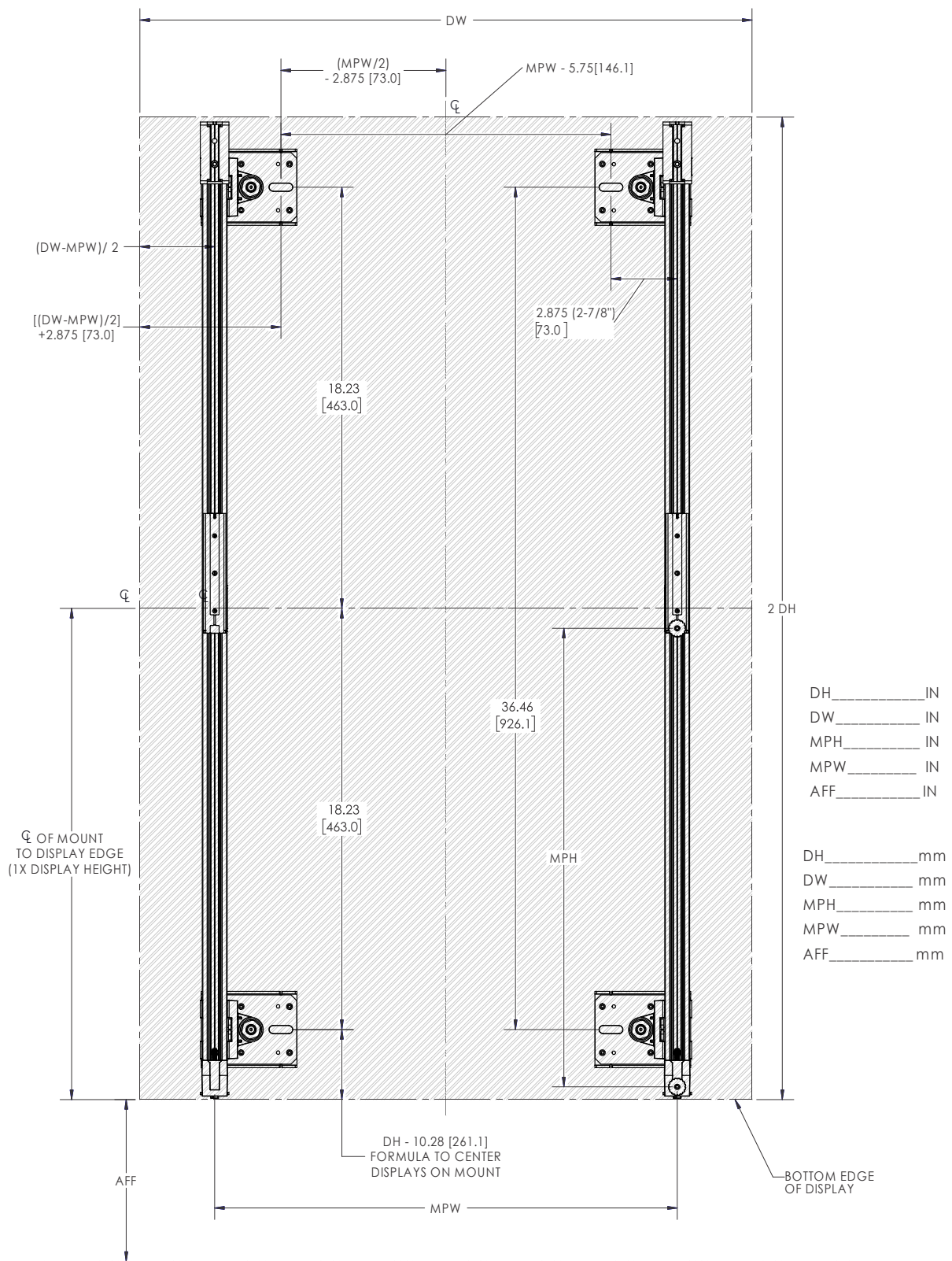
- DH = DVLED DISPLAY HEIGHT
- DW = DVLED DISPLAY WIDTH
- MPH = MOUNTING PATTERN HEIGHT
- MPW = MOUNTING PATTERN WIDTH
- AFF = ABOVE FINISHED FLOOR

MEASUREMENT WORKSHEET - DVM0500U2 (2-HIGH)



DVLED PANEL: _____

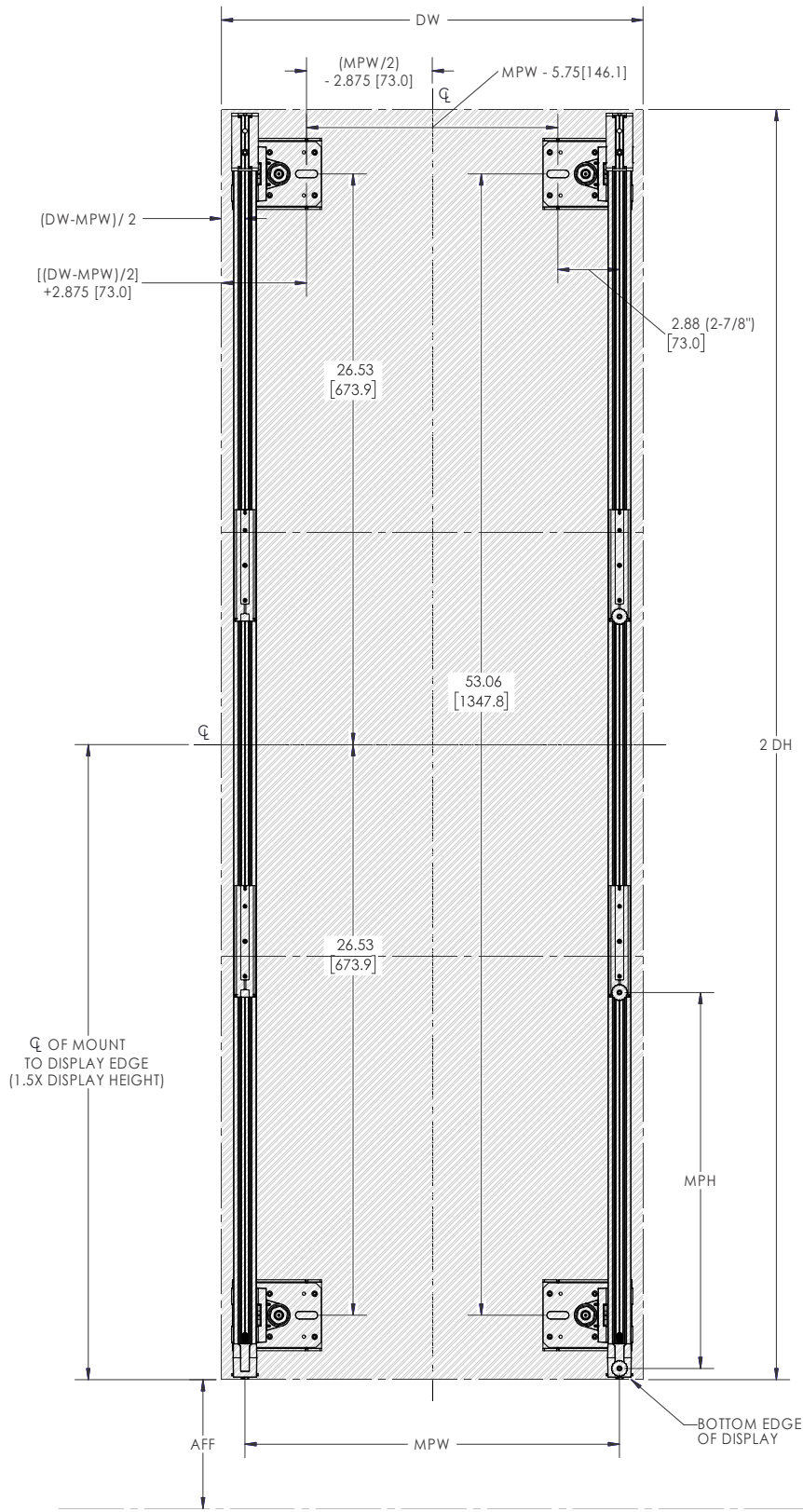
DH = DVLED DISPLAY HEIGHT
 DW = DVLED DISPLAY WIDTH
 MPH = MOUNTING PATTERN HEIGHT
 MPW = MOUNTING PATTERN WIDTH
 AFF = ABOVE FINISHED FLOOR

MEASUREMENT WORKSHEET - DVM0540U2 (2-HIGH)

DVLED PANEL: _____

DH = DVLED DISPLAY HEIGHT
 DW = DVLED DISPLAY WIDTH
 MPH = MOUNTING PATTERN HEIGHT
 MPW = MOUNTING PATTERN WIDTH
 AFF = ABOVE FINISHED FLOOR

MEASUREMENT WORKSHEET - DVM0500U3 (3-HIGH)



DH _____ IN

DW _____ IN

MPH _____ IN

MPW _____ IN

AFF _____ IN

DH _____ mm

DW _____ mm

MPH _____ mm

MPW _____ mm

AFF _____ mm

DVLED PANEL: _____

DH = DVLED DISPLAY HEIGHT
 DW = DVLED DISPLAY WIDTH
 MPH = MOUNTING PATTERN HEIGHT
 MPW = MOUNTING PATTERN WIDTH
 AFF = ABOVE FINISHED FLOOR

Technical drawing of a DVLED panel showing dimensions and formulas for mounting. The drawing includes a side view of the panel with dimensions for width (DW), height (DH), mounting pattern height (MPH), mounting pattern width (MPW), and above finished floor (AFF). Formulas for centering and spacing are provided.

Dimensions and Formulas:

- DW : DVLED DISPLAY WIDTH
- DH : DVLED DISPLAY HEIGHT
- MPH : MOUNTING PATTERN HEIGHT
- MPW : MOUNTING PATTERN WIDTH
- AFF : ABOVE FINISHED FLOOR
- $(MPW/2) - 2.875 [73.0]$: Formula for centering displays on mount
- $MPW - 5.75 [146.1]$: Formula for centering displays on mount
- $(DW - MPW) / 2$: Formula for centering displays on mount
- $[(DW - MPW) / 2] + 2.875 [73.0]$: Formula for centering displays on mount
- $28.86 [733.0]$: Formula for centering displays on mount
- $57.72 [1466.1]$: Formula for centering displays on mount
- $3 DH$: Formula for centering displays on mount
- $DH - 10.28 [261.1]$: Formula for centering displays on mount
- $CL OF MOUNT TO DISPLAY EDGE (1.5X DISPLAY HEIGHT)$: Formula for centering displays on mount
- $BOTTOM EDGE OF DISPLAY$: Formula for centering displays on mount

DVLED PANEL: _____

DH = DVLED DISPLAY HEIGHT
DW = DVLED DISPLAY WIDTH
MPH = MOUNTING PATTERN HEIGHT
MPW = MOUNTING PATTERN WIDTH
AFF = ABOVE FINISHED FLOOR

INSTALLATION

Preinstallation

IMPORTANT ! : Reference the LED screen installation manual for specific instructions regarding care, handling, cabling and installation of the LED screens.



CAUTION: Handle the LED screens with care, being careful to not impact or drop the LED screen.



CAUTION: There is a magnetic surface on the front of the LED screen. To prevent damage ensure that no metallic object is pulled onto the LED screen.

NOTE: When planning the installation, remember the requirement to run power and signal to the video wall.

Site Assessment

Before beginning any installation the site should be assessed in several areas to help avoid any issues during the actual installation.

- **Wall Structure** - It is recommended that a 3/4" furniture-grade plywood-backed wall be used in most LED video walls. The use of a wood stud wall is not appropriate since the studs won't be in the proper location for an LED video wall.
- **Wall High/Low Points** - Locate any high or low points on the wall that may cause problems, and try to set up install so that these points can be avoided, if possible.
- **Flatness/Plumb of Wall** - Learn how much depth adjustment will be needed across the LED video wall mounting area.
- **Power/Cable** - Locate all power outlets and cable access holes that need to be cleared by the installation. Plan appropriately for those holes.
- **Installing in a Recess** - Verify the level and squareness of the recessed area. Since these areas are rarely perfect you may need to decide what to use as a reference point.
 - The recess top or bottom may not be level so the video wall may need to be installed to align with the recess, rather than being level with the wall.
 - If the recess is not square the sides may make the recess look crooked. If possible, the recess should be fixed. If repairing the recess isn't an option it may be best to "split the difference" between the recess sides to make the video wall appear level.
- **Where to Begin the Video Wall** - The installer should make the decision whether the video wall will be started at the top, bottom, left, right or center.
 - If a lower bottom reference is given in the specifications, it may make sense to start at the bottom of the video wall to ensure that this specification is met from the start of installation.
 - If building inside of a recess, it may be easier to start in the center of the space since the video wall will most likely need to be centered within the recess.
- **Extender mounts** - If creating a video wall with more than a single row, you will be using the extender mounts (DVM27U2E/DVM27U3E/DVM27U4E) in addition to the starter mounts (DVM27U2/DVM27U3/DVM27U4).

- **Measurement Worksheets** - In order to determine mounting hole locations, refer to measurement worksheets on pages 8-10. It may be helpful to print the appropriate sheet and fill in the measurements of the display in the blanks to have as reference for making the proper calculations. (See Figure 1)

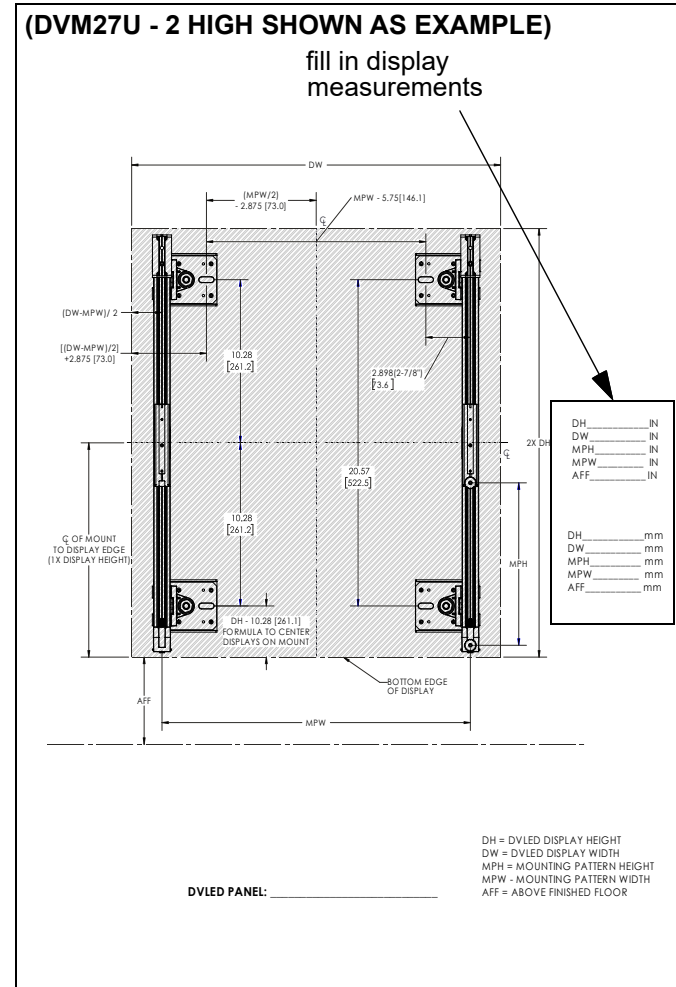


Figure 1



Just a tip - For larger LED walls it is helpful to check placement and alignment of the mounts by putting a few cabinets without the LED's in place in the bottom row of the installed mounts (referencing the LED screen installation manual for specific instructions) during the mount installation, verifying that everything is staying aligned and level, and then continuing the mount installation.

Installation of First Row of Uprights

NOTE: The mount should be installed from bottom to top, installing the entire bottom row first before building up as needed.

NOTE: Refer to dimensions drawings on pages 5-10 for further details on installation locations. Corresponding measurement worksheet may be printed and filled out for quick reference as measurements are made.

1. Determine mounting locations for first set of uprights using formulas found on measurement worksheets (pages 8-10).
 - a. Horizontally
 - Odd number of columns: From centerline to middle column = $(MPW/2) - 2.875"$ (73mm).
 - Even number of columns: From seam or edge of display = $[(DW-MPW/2)] + 2.875"$ (73mm).
 - b. Vertically
 - 2-High
 - Display edge to bottom mounting point = $[1(DH) - 10.28"$ (261.1mm)].
 - Display edge to top mounting point = $[1(DH) - 10.28"$ (261.1mm)] + 20.57" (522.5mm).
 - 3-High
 - Display edge to bottom mounting point = $[1.5(DH) - 16.93"$ (430mm)].
 - Display edge to top mounting point = $[1.5(DH) - 16.93"$ (430mm)] + 33.86" (860mm).
 - 4-High
 - Display edge to bottom mounting point = $[2(DH) - 23.57"$ (598.7mm)].
 - Display edge to top mounting point = $[2(DH) - 23.57"$ (598.7mm)] + 47.14" (1197.5mm).
3. Draw level horizontal lines at vertical locations determined in Step 2b using a 4-foot level or a laser level. (See Figure 2)

IMPORTANT ! : Make sure to include the above finished floor measurement (AFF) in the calculation to determine mounting locations.

The DVM27U wall mounts are designed to be mounted to the following wall types:

Table 1: Fastener Information

WALL TYPE	PILOT HOLE	FASTENERS (see PARTS drawing)
Drywall attached to plywood-backed walls Steel/Wood studs	7/32" x 3"	- 5/16 x 2-1/2" flanged hex head lag (CA) - 5/16" flat washer (CE)
Concrete or concrete block	3/8" x 3"	- 5/16 x 2-1/2" flanged hex head lag (CA) - 5/16" flat washer (CE) - Fischer Anchor UX10x60R (CF)

IMPORTANT ! : The following Steps show installation to

drywall attached to plywood-backed wall. For installation into concrete, Fischer Anchor UX10x60R (CF) must be used with 3/8" mounting holes. See **Fastener Installation Methods Section** for details.

4. Mark mounting hole location along upper line based on horizontal locations determined in Step 2a. (See Figure 2)
5. Drill a 7/32" at the location of the first upper mounting hole. (See Figure 2)

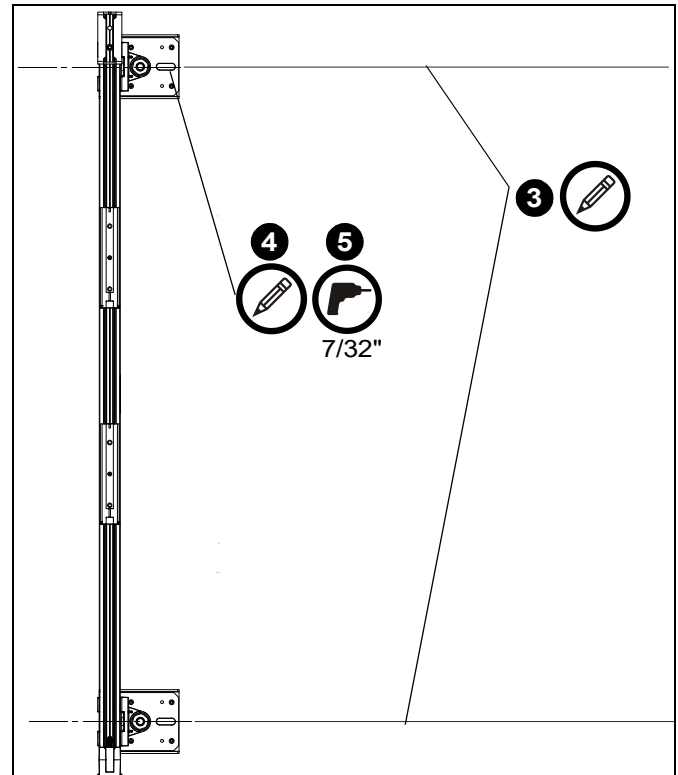


Figure 2

6. Use 5/16 x 2 1/2" hex head lag screw (CA) and 5/16" washer (CE) to loosely install left upright (A) to wall. Center the lag bolt horizontally along mounting slot. PARTIALLY tighten bolt. (See Figure 3)

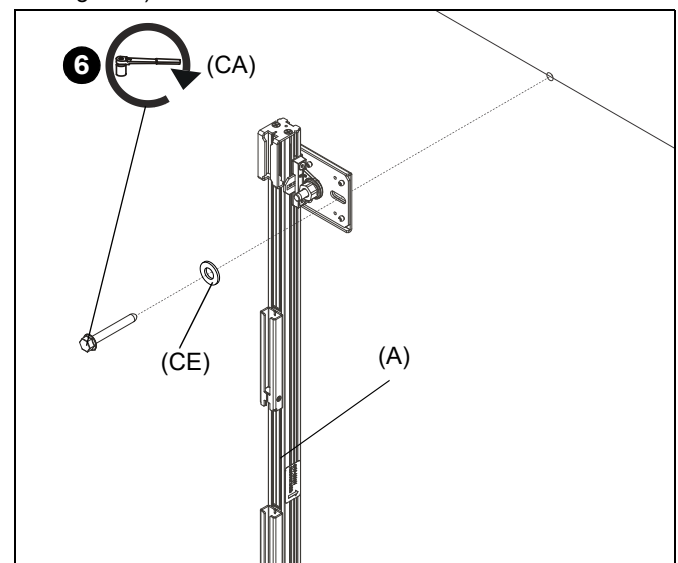


Figure 3

7. Slide the H-blocks together within the extrusion and attach a magnetic 2-foot level to side of upright. (See Figure 4)

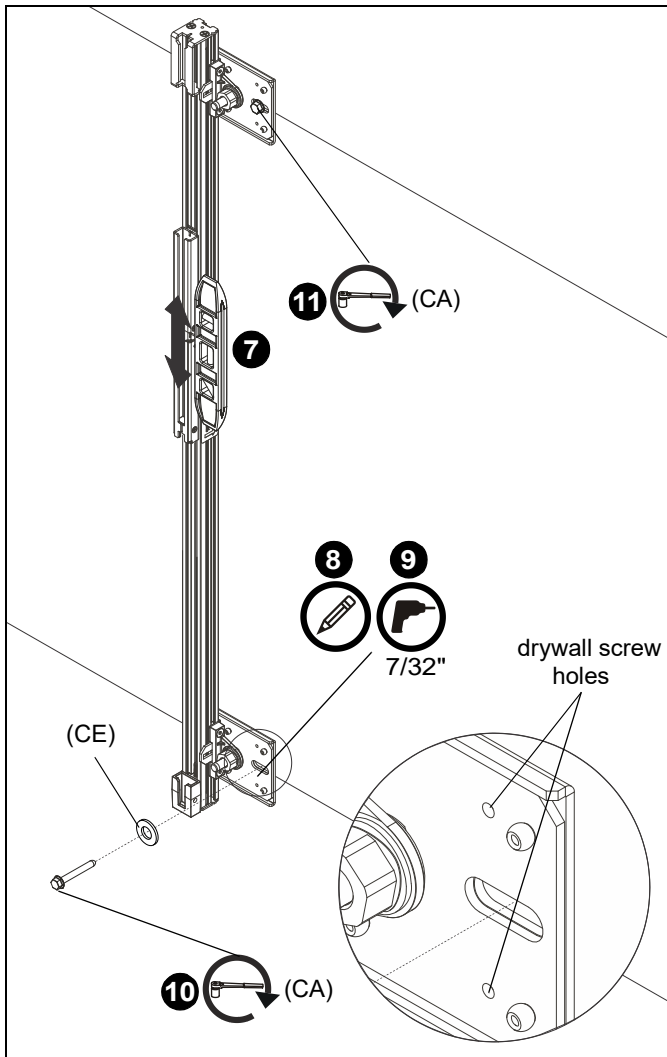


Figure 4

8. Mark mounting hole location along lower line based on horizontal locations determined in Step 2a. (See Figure 4)
9. Level and drill a 7/32" hole at the location of the first lower mounting hole. (See Figure 4)
10. Use 5/16 x 2 1/2" hex head lag screw (CA) and 5/16" washer (CE) to install left upright (A) to wall at lower mounting hole. Center the lag bolt horizontally along mounting slot. (See Figure 4)
11. Hold mount upright and tighten upper lag bolt (CA) that was partially installed in Step 6. (See Figure 4)

Just a tip - Install a drywall screw (CC) through one of the smaller holes in foot to prevent the upright from "walking" in slot when tightening lag. (See Figure 4)

12. Determine and mark the adjacent mounting location along the upper level line using the following formula (See Figure 5):

- **MPW [mounting pattern width] - 5.75"**
(146.1mm)

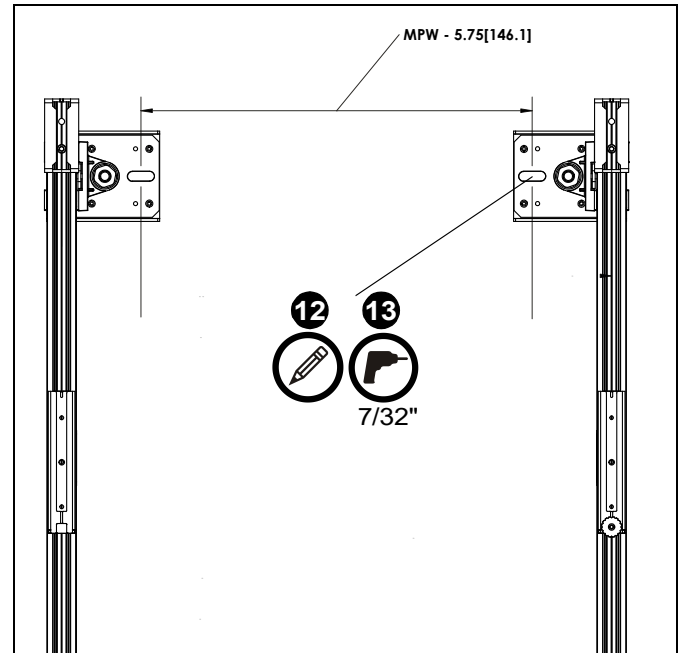


Figure 5

13. Drill 7/32" mounting hole at marked location. (See Figure 5)
14. Use 5/16 x 2 1/2" hex head lag screw (CA) and 5/16" washer (CE) to loosely install right upright (B) to wall. Center the lag bolt horizontally along mounting slot. PARTIALLY tighten bolt. (See Figure 6)

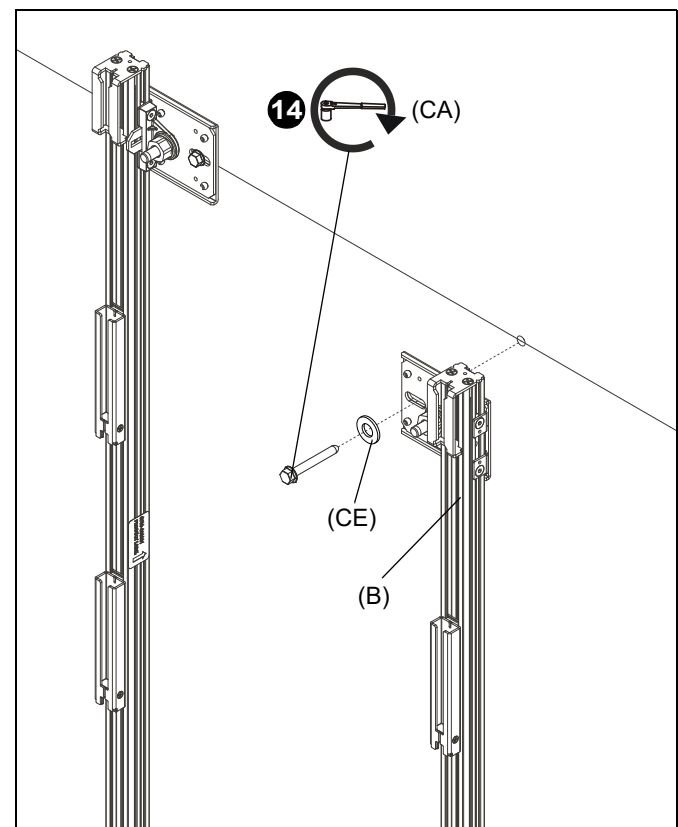


Figure 6

15. Slide the H-blocks together within the extrusion and attach a magnetic 2-foot level to side of upright. (See Figure 7)

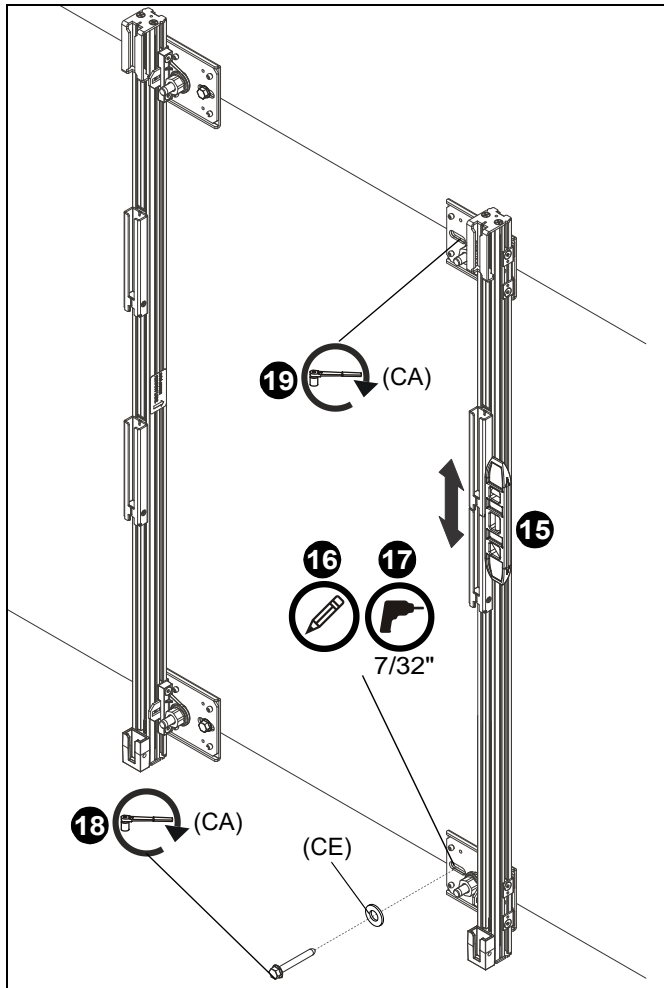


Figure 7

16. Mark mounting hole location along lower line based on horizontal locations determined in Step 2a. (See Figure 7)
17. Drill a 7/32" hole at the location of the first lower mounting hole. (See Figure 7)
18. Use 5/16 x 2 1/2" hex head lag screw (CA) and 5/16" washer (CE) to install right upright (B) to wall at lower mounting hole. Center the lag bolt horizontally along mounting slot. (See Figure 7)
19. Hold mount upright and tighten upper lag bolt (CA) that was partially installed in Step 14. (See Figure 7)

Just a tip - Install a drywall screw (CC) through adjacent hole in foot to prevent the upright from "walking" in slot when tightening lag.

20. Use a tape measure to ensure the uprights (A and B) are mounted the proper distance apart from each other based on mounting pattern width (MPW). (See Figure 8)

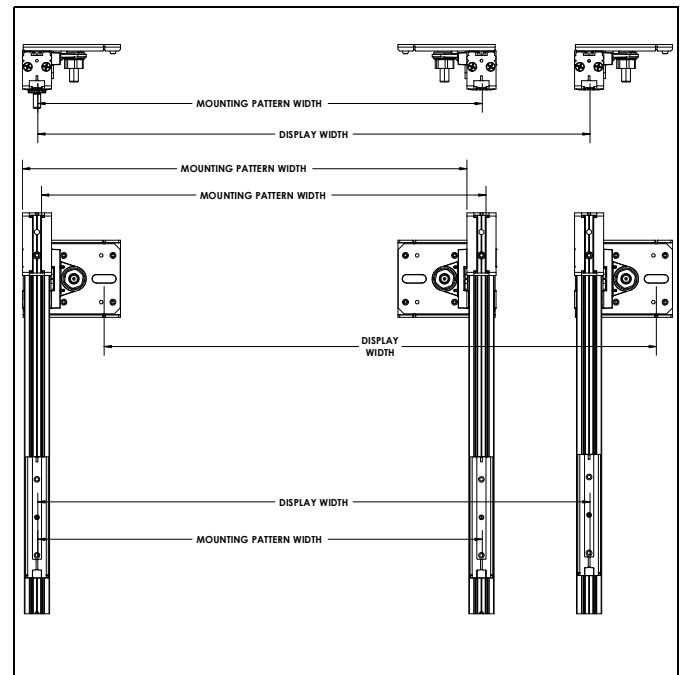


Figure 8

21. (Optional) Install four mounting buttons (D or E) onto back of a display (if available) and install onto H-blocks to ensure the uprights are properly distanced. (See Figure 9) and (See Figure 11)

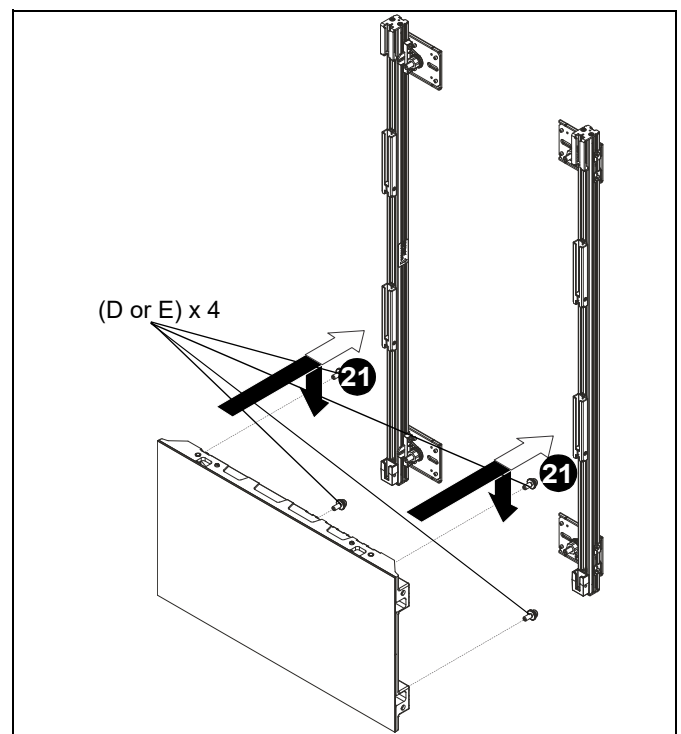


Figure 9

22. Measure one display width (DW) from mounting holes in uprights already installed to mark holes for next set of uprights (A and B). (See Figure 8) and (See Figure 10)

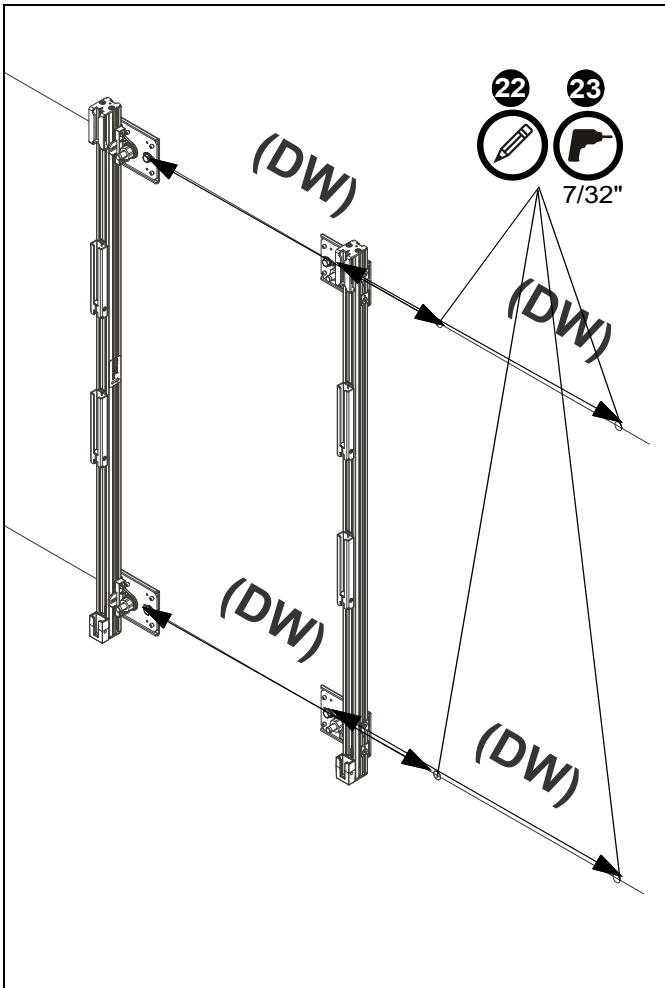


Figure 10

23. Drill 7/32" mounting holes at marked locations. (See Figure 10)
24. Repeat Steps 6-22 to install left and right uprights (A and B).
25. Continue installing uprights until first row is complete.
26. Verify the uprights are vertically level with two or four foot level and spaced horizontally (one display width) from matching upright with a tape measure.
27. Install mounting buttons (D or E) into one display to be installed. (See Figure 9)
28. Install display to mount by inserting lower mounting buttons into the base carriages. (See Figure 11)
29. Slide the H-blocks down the extrusion to enclose the upper mounting buttons. (See Figure 11)

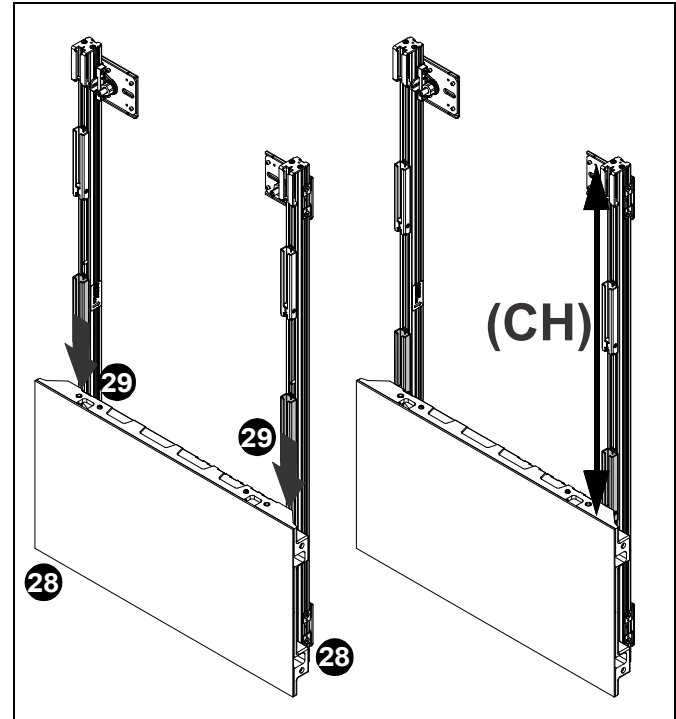


Figure 11

30. Use a tape measure to determine coverage height (CH), which is the distance from the top of display to the top of mounting column. (See Figure 11)
31. Compare the coverage height (CH) with remaining display height to determine whether column height needs to be adjusted.
- 2 high: If CH is less than DH, adjust by the difference.
 - 3 high: If CH is less than 2 x DH, adjust by the difference.
 - 4 high: If CH is less than 3 x DH, adjust by the difference.
 - If CH is greater than the formulas listed above, no adjustment is needed.

Sample Calculation

- Mount size 3 high
- Coverage height (CH) = 26.85" (682.0mm)
- Display height (DH) = 13.29" (337.5mm)
- 2 x DH = 26.57" (675.0) which is less than CH
- Minimum height adjustment for coverage = 26.85" (682.0mm) - 26.57" (675.0mm) = 0.280" (7.0mm).

32. If height adjustment is required for the displays to cover the mount, remove display and make the minimum height adjustment determined in Step 31 by adjusting the height adjustment screws using a 5/16" socket driver. (See Figure 12)

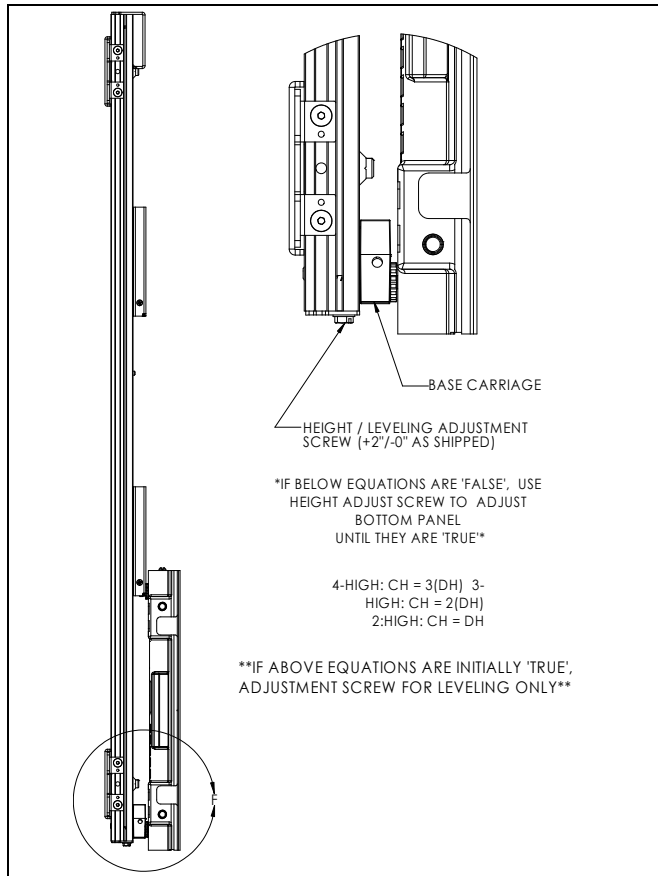


Figure 12

33. Adjust each base carriage on the first column the required amount for coverage. Rest a level across the height-adjustment carriage on each upright to level the carriages on the first row at (or above) the required coverage height. (See Figure 13)

34. Adjust the carriages on the adjacent columns to make sure they are level.

Just a tip - Make adjustments to base carriages before hanging mount uprights to wall.

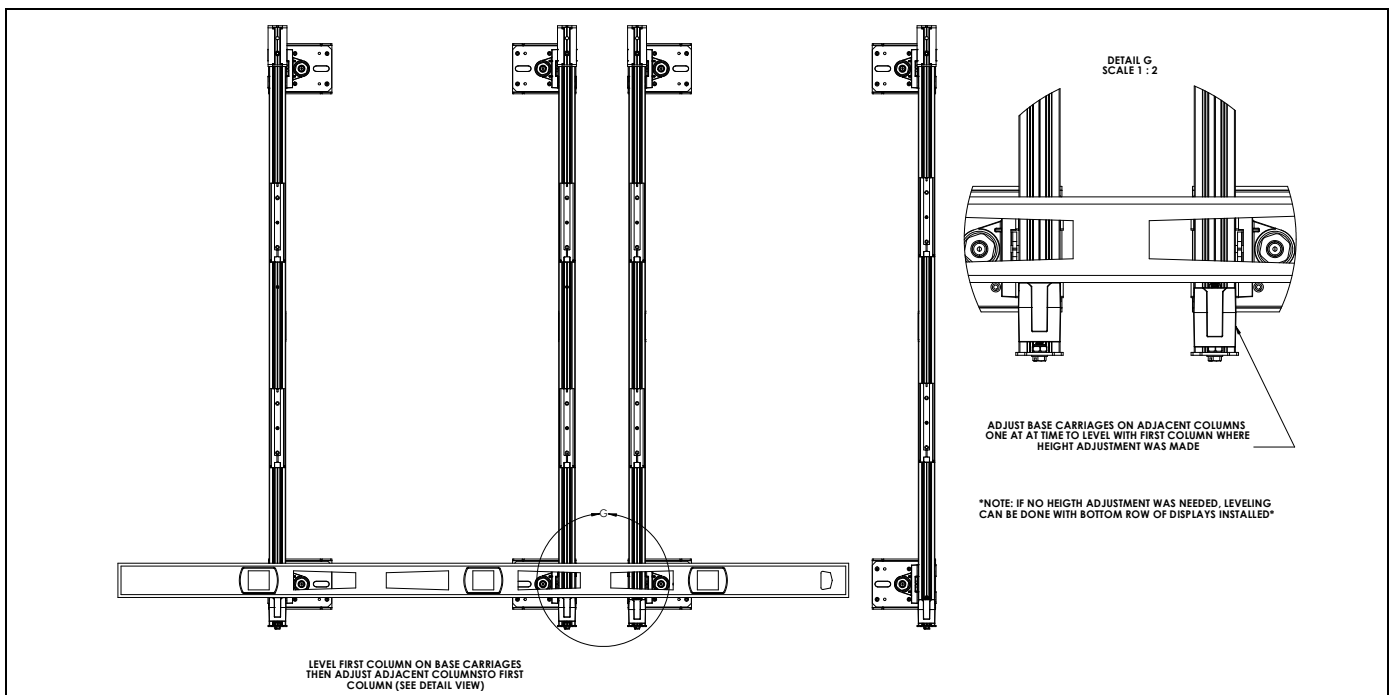


Figure 13

Plumb Leveling

1. After the bottom row has been installed and leveled, adjust the outermost uprights away from the wall 1/4" (approximately four full turns) prior to plumbing middle uprights. Uprights should be adjusted to a point that the mount rail extends past the planar face of all the middle uprights. Depth adjustment is controlled by depth adjustment screws on each upright. (See Figure 14)



Just a tip - Slide H-blocks as necessary to attach a magnetic 2-foot level on the mount face to plumb uprights.

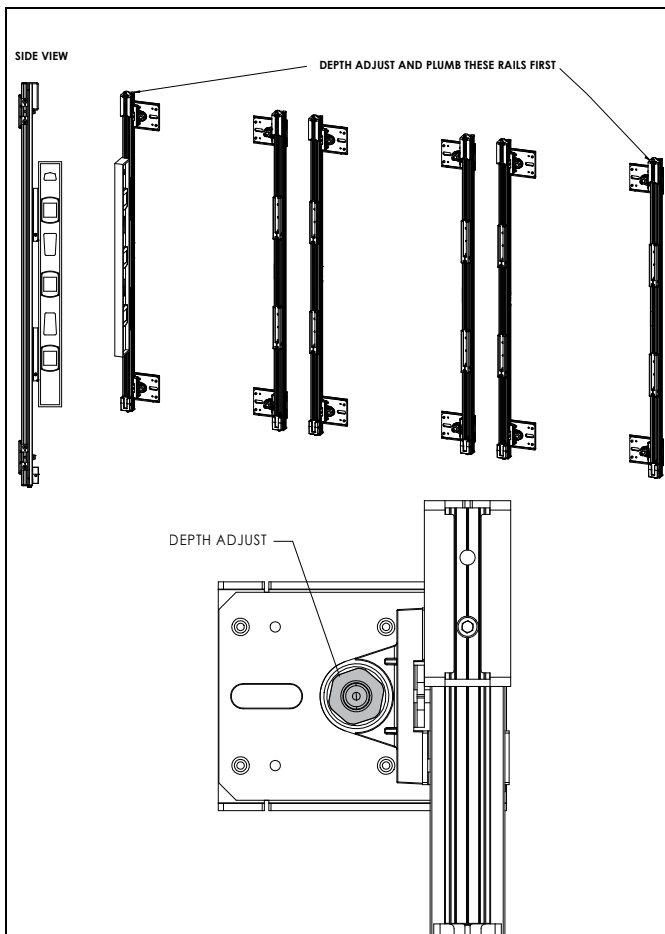


Figure 14

2. After the outer uprights are plumb, use a #6-32 self-tapping screw (CC) to connect a string line from one outer upright to the other. (See Figure 15)
3. Adjust inner uprights until they all touch the string. (See Figure 15)

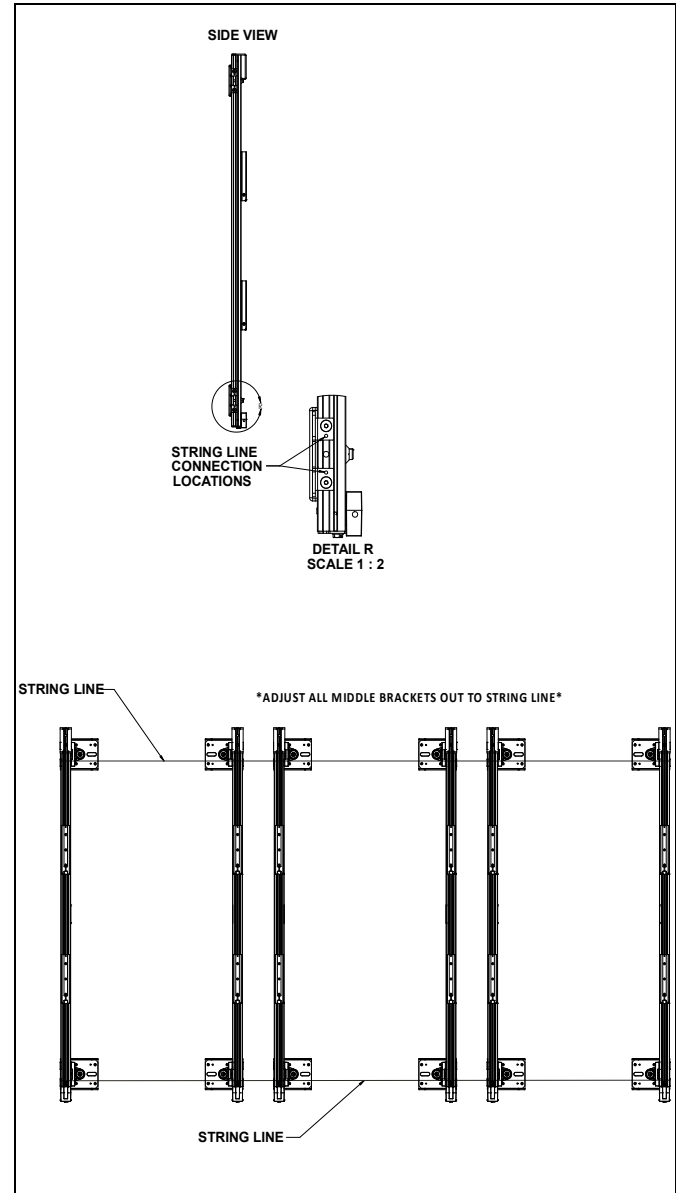


Figure 15

Displays Installation (First Row)

1. Install mounting buttons (D or E) into displays to be installed. (See Figure 16)

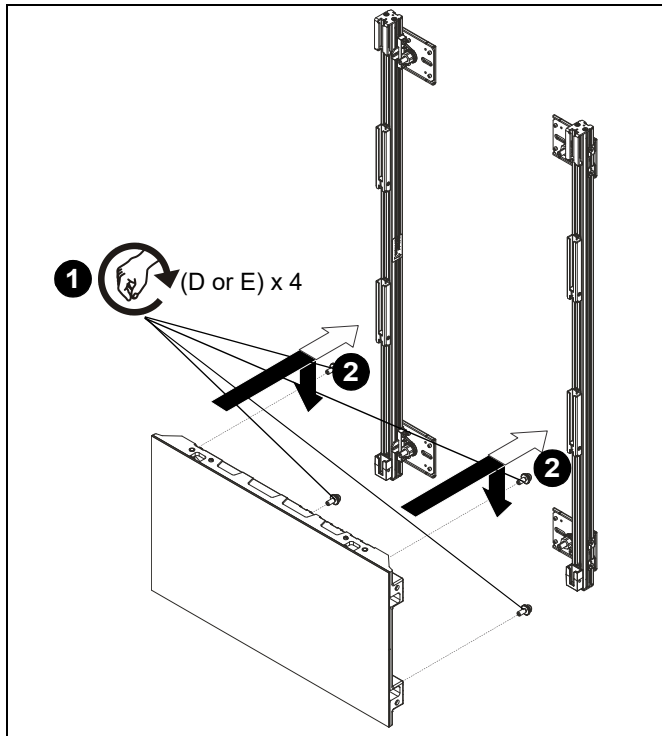


Figure 16

2. Install display to mount by inserting lower mounting buttons into the base carriages. (See Figure 16) and (See Figure 17)
3. Slide the H-blocks down the extrusion to enclose the upper mounting buttons. (See Figure 17)

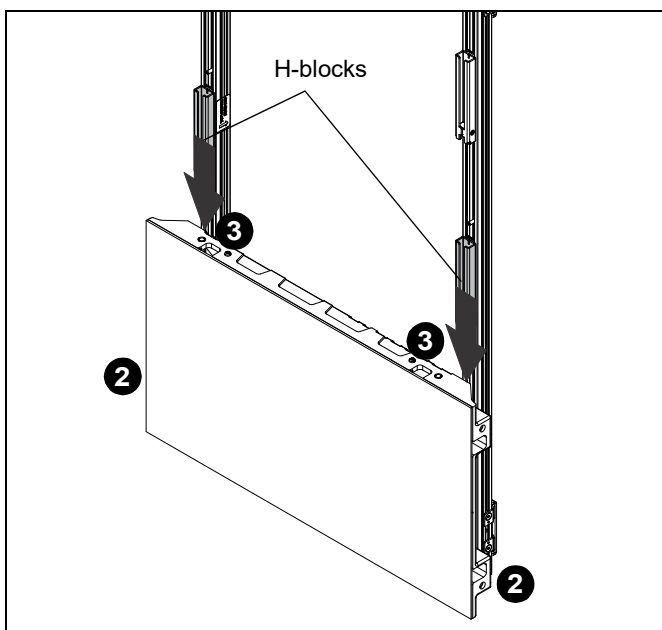


Figure 17

4. Make any necessary adjustments using the height/leveling adjustment screws on the bottom of the mounts. (See Figure 12)
5. Use a 4-foot level or laser level to ensure bottom row of displays are horizontally level. (See Figure 18)

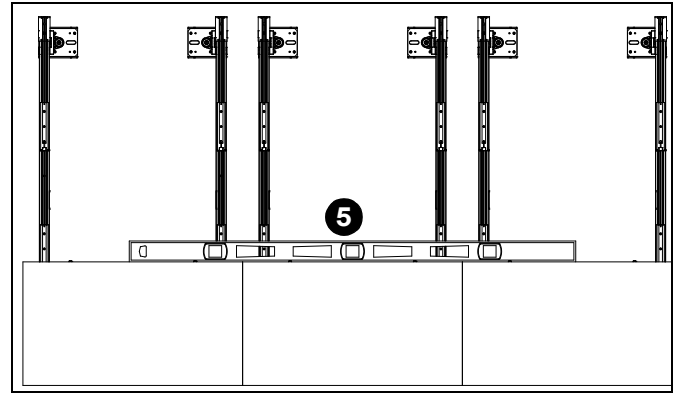


Figure 18

6. Continue installing displays following Steps 1-5 until the first row is full.

IMPORTANT ! : If NOT using extender kit (DVM27U2E/ DVM27U3E/DVM27U4E), proceed to **Building Remaining Wall Section**.

Installing Extender Kit (DVM27UE)

1. Remove the top button capture bracket by removing two screws on top of starter uprights (A and B). Set bracket and screws aside for re-use. (See Figure 22)

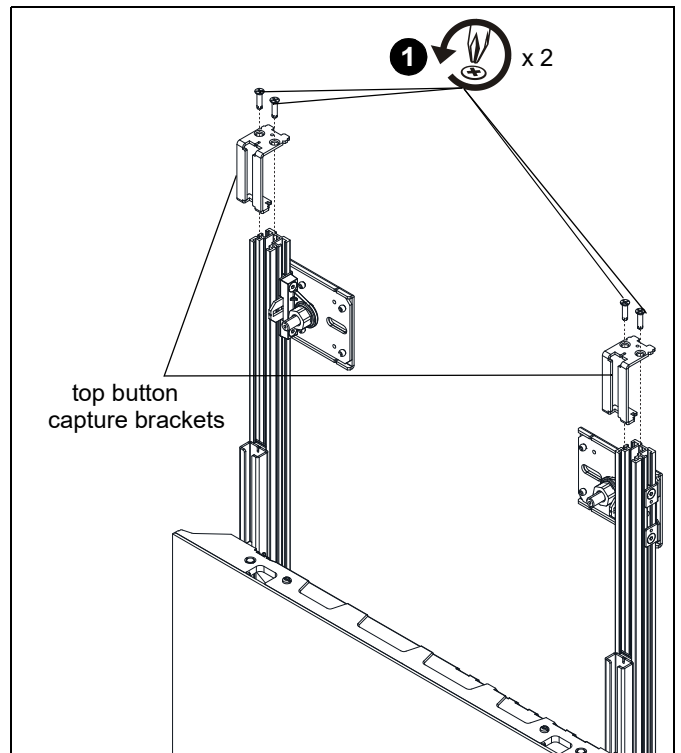


Figure 19

2. Remove socket head cap screw and loosen side screws at bottom of extender uprights (F and G) using 1/8" hex key. (See Figure 23)

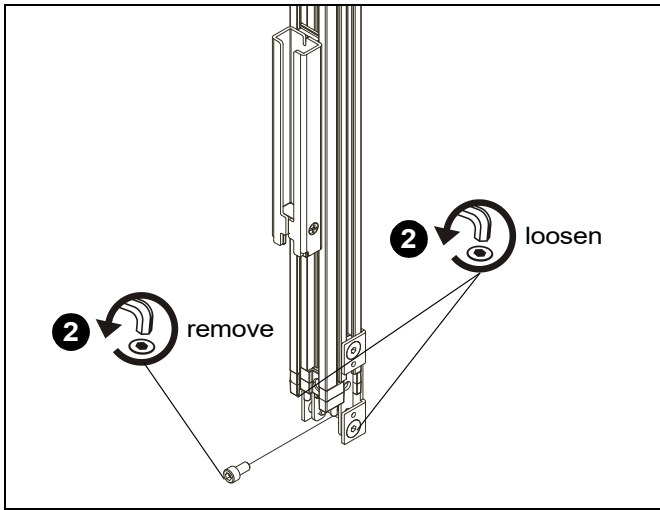


Figure 20

3. Insert extender uprights (F and G) into T-slots on starter uprights (A and B). (See Figure 23)
4. Tighten side screws and re-install removed socket head cap screw through starter mount extrusion. (See Figure 23)

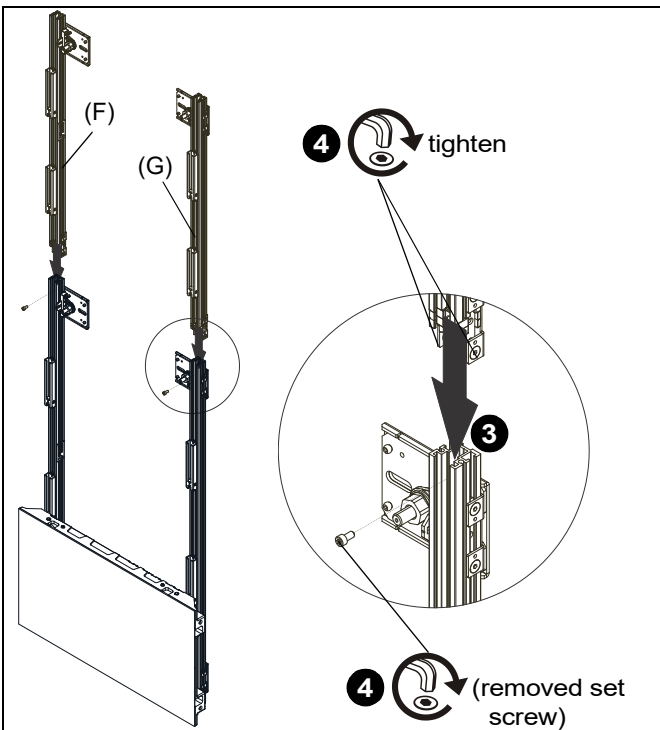


Figure 21

5. Level the extender uprights to ensure they are vertically level with the starter uprights. (See Figure 22)
6. Mark mounting hole at each location. (See Figure 22)
7. Drill a 7/32" hole at the location of each mounting hole. (See Figure 22)

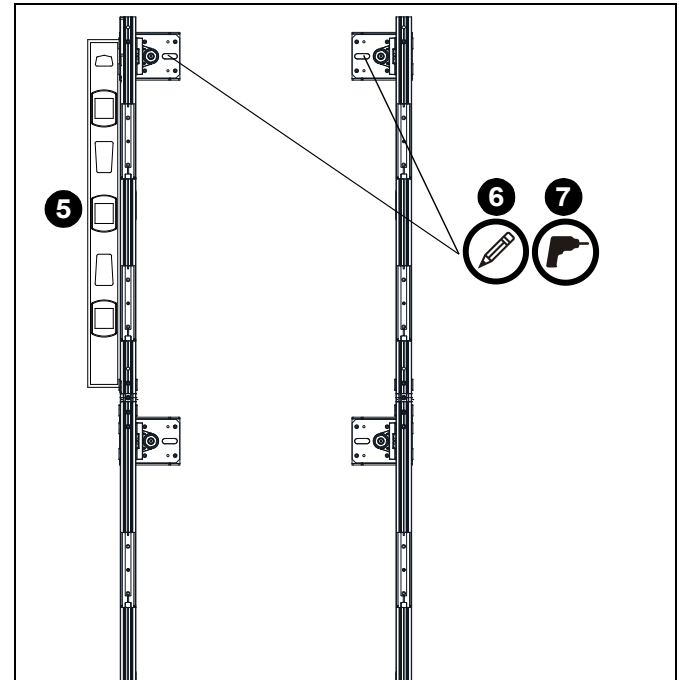


Figure 22

8. Use 5/16 x 2 1/2" hex head cap screws (CA) and 5/16" washers (CE) to secure extender uprights to wall. (See Figure 23)

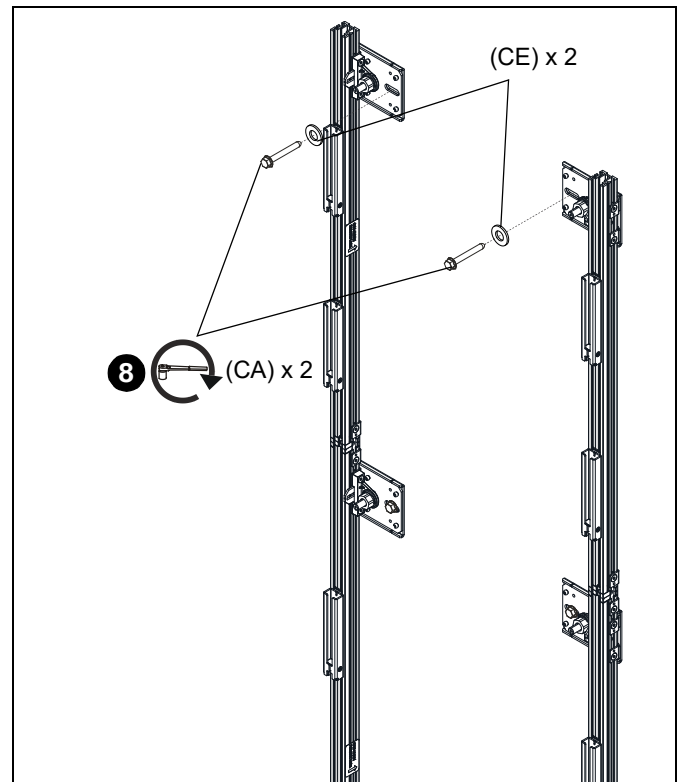


Figure 23

9. Repeat Steps 2-8 if installing more than one extender upright.

10. After the top extender upright (F or G) is installed, install top button capture bracket and screws (removed in Step 1 of **Installing Extender Kit (DVM27UE) Section**. (See Figure 24)

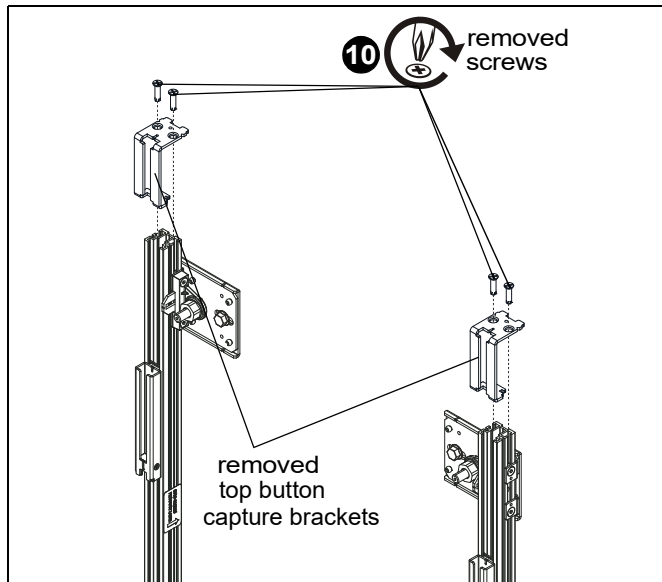


Figure 24

11. Continue to install extender uprights across the upper row by repeating Steps 1-9 until row is complete.
12. Plumb adjust the upper row of uprights following steps in **Plumb Leveling Section**.

Building Remaining Video Wall

1. Make sure all installed uprights are level.
2. Make sure the first row of displays is still level.
3. Install displays in a "T" or "L" formation following steps in **Displays Installation Section** making sure the column is level after installation. (See Figure 25)
4. Plumb adjust first column before proceeding to other columns. See **Plumb Leveling Section** for details.

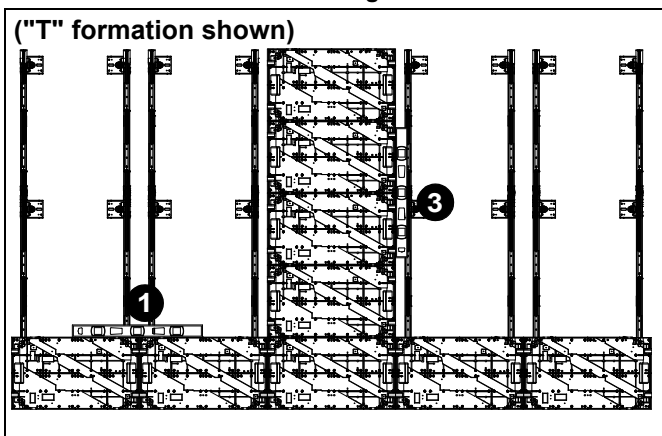


Figure 25

NOTE: Display depth can be adjusted using the mounting buttons either using a small flathead screwdriver from the side or a hex key (CH or CJ) from the front. (See Figure 26)

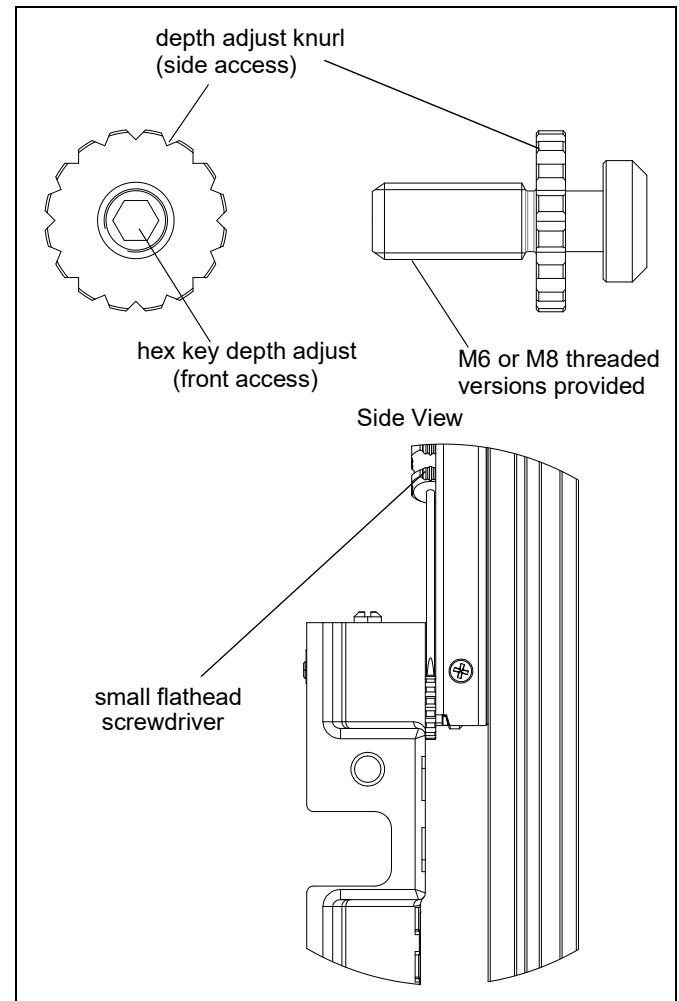


Figure 26

5. Install #10-24 x 1" set screws (CB) into the highest H-block in each column using 3/32" hex key (CH). (See Figure 27)

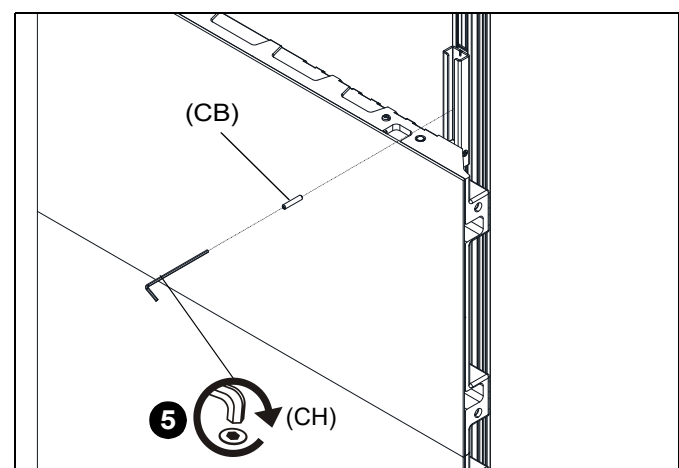


Figure 27

6. Add quick-release pin (CG) to the bottom of each column.
(See Figure 28)

NOTE: Pins (CG) may be installed to either side of the column.

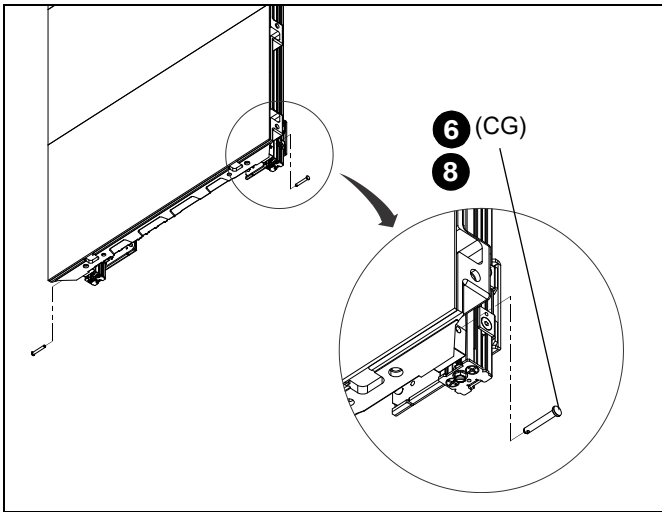


Figure 28

7. Continue to build columns out until wall is complete following steps in **Displays Installation Section**.
8. Add quick-release pin (CG) to the bottom of each column.
(See Figure 28)
9. Use display hardware included with display panels (typically threaded shoulder bolts or cam-locks) to connect displays to each other. (See Figure 29)

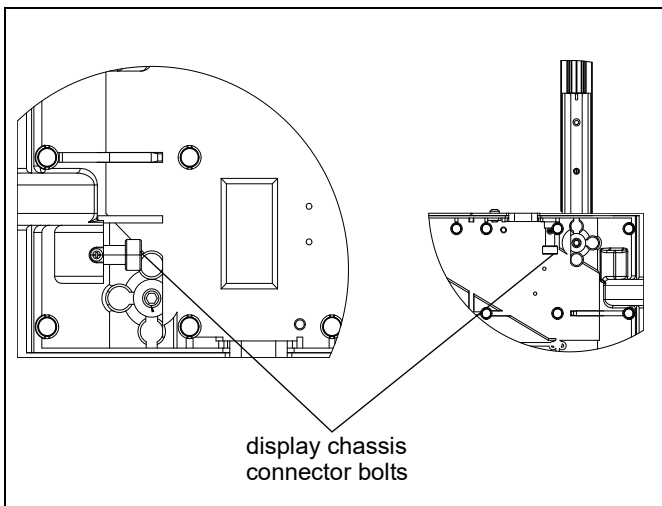


Figure 29

NOTE: Manage power cables behind displays as the wall is built.

NOTE: Signal cables typically can be connected from the front prior to installing LED modules.

10. Install LED modules to displays (if necessary) to complete wall installation. (See Figure 30)

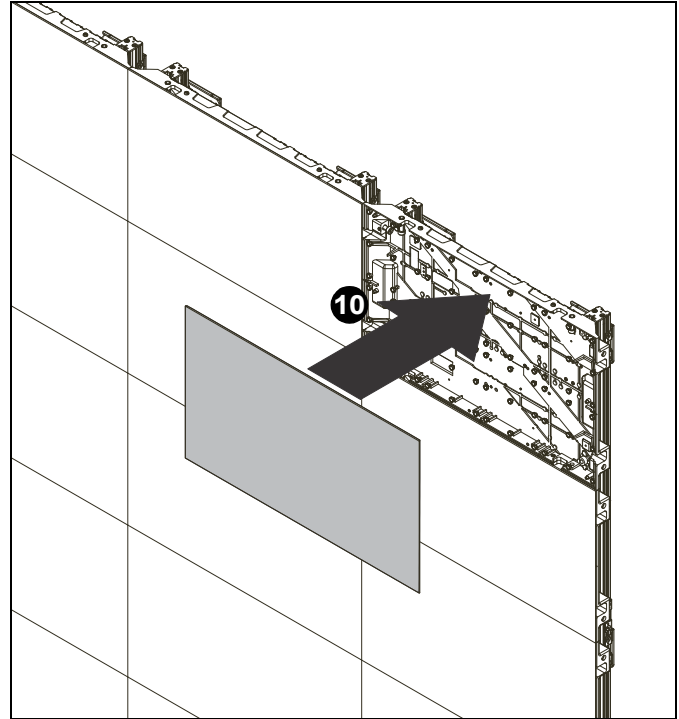


Figure 30

Fastener Installation Methods

IMPORTANT ! : See Table 1 for appropriate hardware and pilot hole sizes for various wall types.

IMPORTANT ! : The expanse of the LED wall will most likely mean that attachment of the wall mounts will not all be in studs. The attachment method will most likely vary throughout the installation, and more than one of the various methods outlined here will most likely be used.

Wood Stud/Steel Stud (w/plywood backing)

IMPORTANT ! : The DVM72U LED wall mounts are designed to be mounted to a 3/4" thickness plywood-backed, 2" x 4" wood studs (16" on center minimum) wall with a maximum drywall thickness of 5/8" or a 3/4" thickness plywood-backed, steel stud wall covered with drywall having a maximum thickness of 5/8".

1. Use one 5/16" x 2-1/2" hex flange head lag bolt (CA) and 5/16" washer (CE) through product and into pilot hole. (See Figure 31)
2. Repeat for remaining pilot holes.

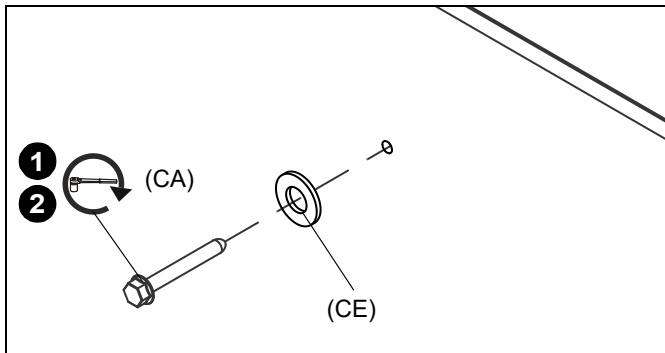


Figure 31

Concrete or Concrete Block

IMPORTANT ! : The DVM27U LED wall mounts are designed to be mounted to a bare 8" concrete or 8"x8"x16" concrete block wall.

1. Install one UX10X60R anchor (CF) into each pilot hole using a hammer, making sure that the anchor is flush with the wall. (See Figure 32)
2. Use one 5/16" x 2-1/2" hex flange head lag bolt (CA) and 5/16" washer (CE) through product into each anchor in wall. (See Figure 32)

3. Repeat for remaining pilot holes.

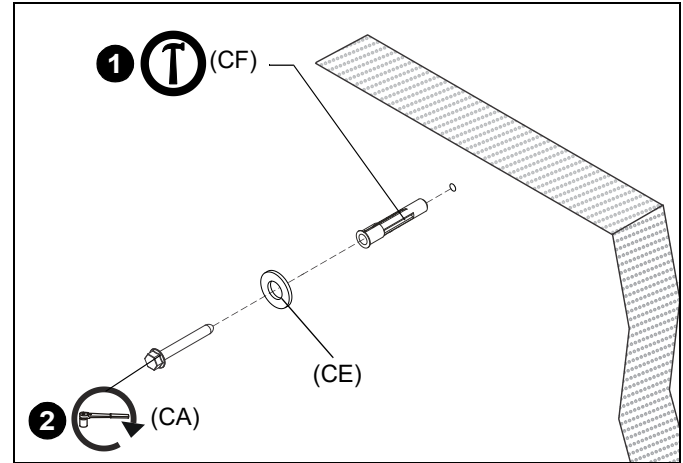


Figure 32

Site Requirements for Wood or Steel Stud Installation



*Steel stud ONLY

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 a maximum of 12" (305mm) apart down center of stud.

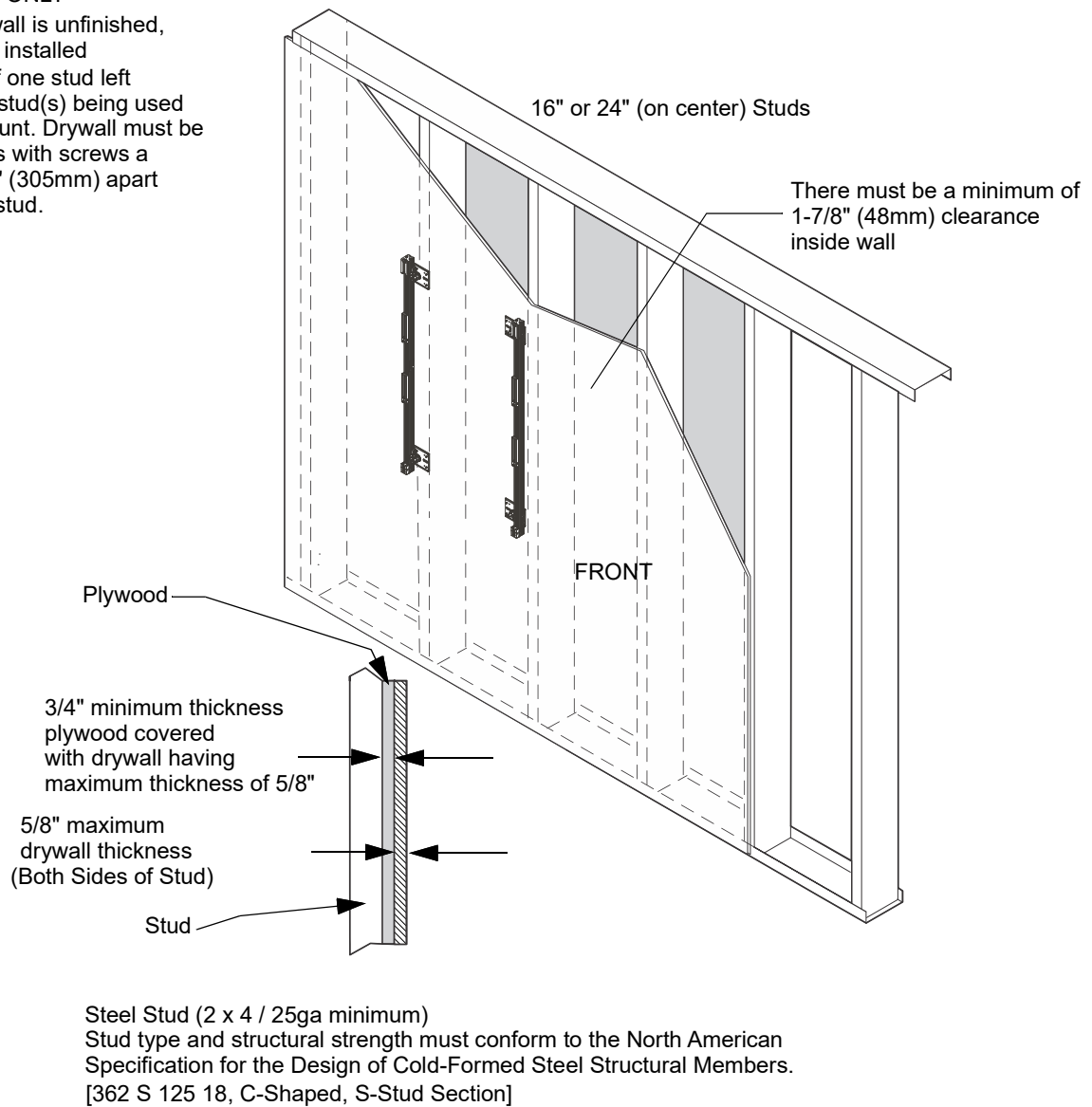


Figure 33

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