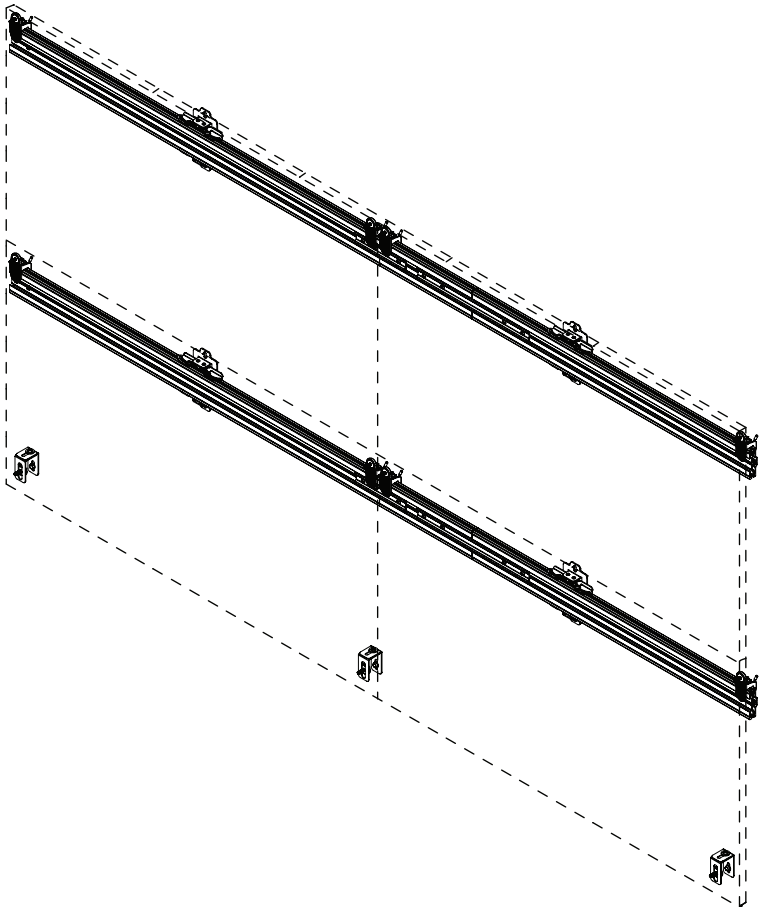
SEAMLESS Connect
Universal dvLED Mounting System
LEDUNVL Series

***Actual configuration may vary**

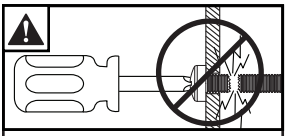


ENG

⚠ WARNING

This product is designed to be installed on plywood walls. Hardware is included for plywood installation. This product is designed to be installed on flat, unobstructed, vertical walls. Do not install on curved or angled walls. Before installing make sure the supporting surface will support the combined load of the equipment and hardware. Screws must be tightly secured. Do not overtighten screws or damage can occur and product may fail. Never exceed the Maximum Load Capacity. Always use an assistant or mechanical lifting equipment to safely lift and position equipment. This product is intended for indoor use only. Use of this product outdoors could lead to product failure or personal injury. Be careful not to pinch fingers when operating the mount. For support please call customer care at 1-800-865-2112 or visit www.peerless-av.com.

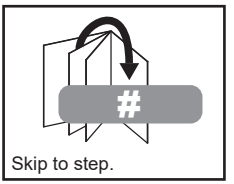
Symbols



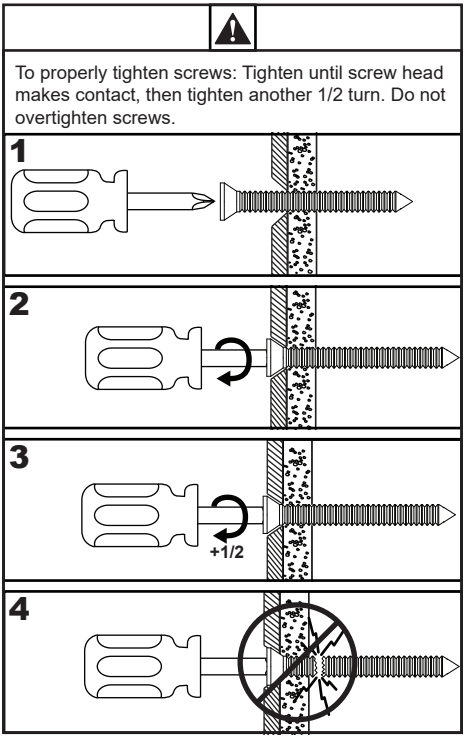
Do not overtighten screws.

Screws must get at least three full turns and fit snug.

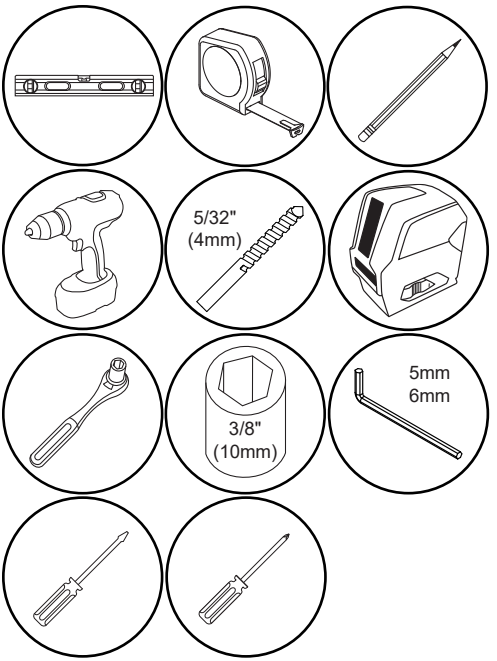
Wear anti-static gloves.



Skip to step.



Tools Needed for Assembly.

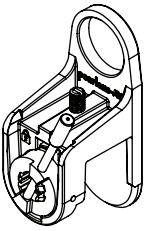


Parts (Before beginning, make sure you have all parts shown below). *Refer to parts list included with your model.

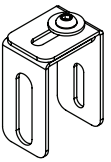
Parts List

	Description	Qty.*
A	latch assembly	
B	horizontal extrusion expandable	
C	wall plate	
D	depth adjustment bracket	
E	end cap	
F	horizontal extrusion 1200mm	
G	#14 x 1.75" wood screw and 1/4" SAE washer	
H	M5/M6 cup washer	
I	M5 flat head screw	
J	M8/M10 cup washer	
K	M6 flat head screw	
L	M8 flat head screw	
M	M10 flat head screw	

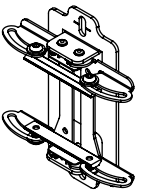
A
latch assembly



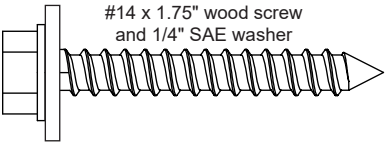
D
depth adjustment bracket



C
wall plate



G
#14 x 1.75" wood screw and 1/4" SAE washer

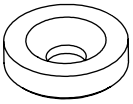


B
horizontal extrusion expandable

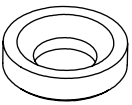
F
horizontal extrusion 1200mm

E
end cap

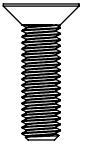
H
M5/M6 cup washer



J
M8/M10 cup washer

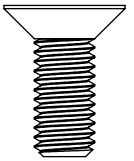


I
M5 flat head screw

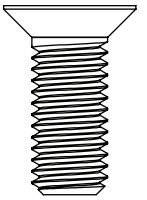


K
M6 flat head screw

L
M8 flat head screw



M
M10 flat head screw



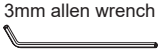
Parts List

	Description	Qty.
N	spacer	2
O	3mm allen wrench	1
P	laser target	2
Q	4mm allen wrench	1
R	spacer extension	2
S	shim plate	2
T	M4 flat head screw	12

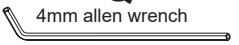
N
spacer

R
spacer extension

O
3mm allen wrench

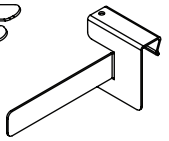


Q
4mm allen wrench



S
shim plate

P
laser target



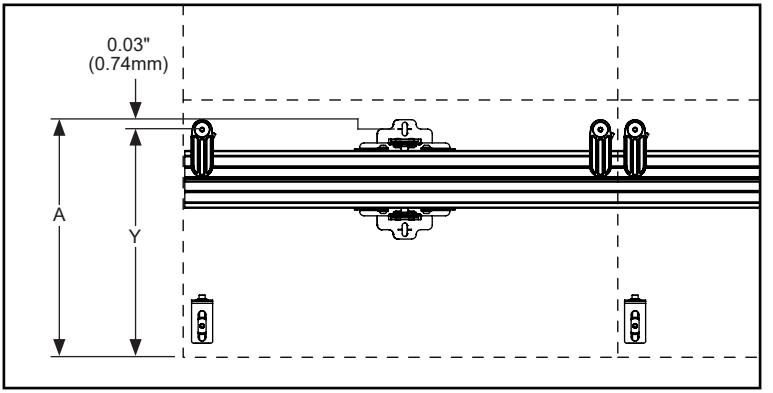
T
M4 flat head screw

LEDUNVSPACER3 Kit sold separately.

1-1

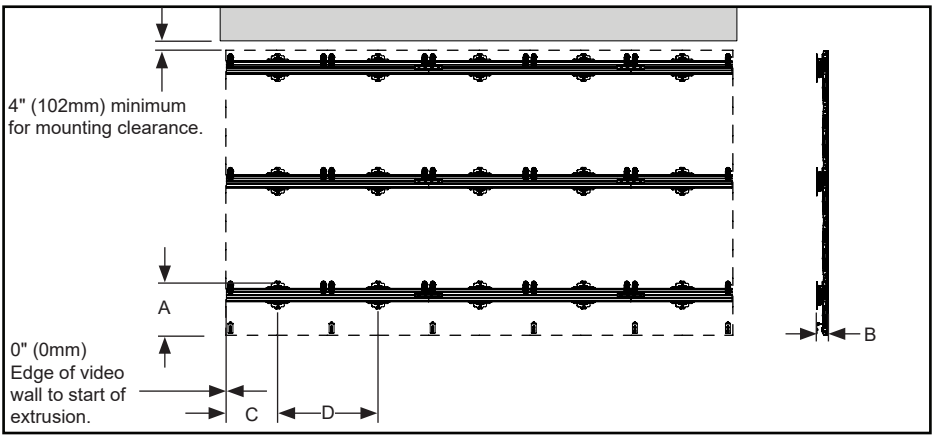
If display model is not listed on table in the following step, use formula provided to calculate the "A" dimension.
Y = bottom of display tile to top pair of mounting holes on back of display.

A = Y + 0.03" (0.74mm)



1-2

See table and drawing below for dimensions that will locate mount on the wall.

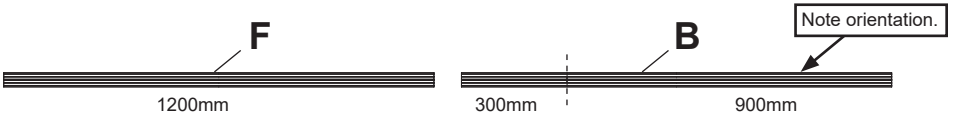


"C" = 1/2 of Display Width, Side of video wall to the center of first wall plate.
"D" = Display Width, Spacing of wall plates.

Compatible Display	Bottom of video wall to notch of first wall plate Dimension A	System Depth Range Dimension B
Absen K v3 (1000x250)	8.7" (220mm)	3.1" - 4.7" (80-120mm)
Absen N Plus (1152x288)	9.9" (251mm)	3.7" - 5.3" (94-134mm)
Fabulux T Series (1000x500)	18.7" (475mm)	2.9" - 4.4" (72-112mm)
HIKVISION CGFC	9.2" (233mm)	3.5" - 5.1" (90-130mm)
HIKVISION CGFF	19" (483mm)	3.5" - 5.1" (90-130mm)
InfiLED WV	25.4" (645mm)	3.3" - 4.9" (84-124mm)
LG LSAC	21.2" (538mm)	3.8" - 5.4" (97-137mm)
LG LSBF	25.8" (655mm)	4.4" - 6" (112-152mm)
Philips 55HDL70xxIA	22.9" (582mm)	2.6" - 4.2" (67-107mm)
Vanguard LA 55"	26.1" (662mm)	3.1" - 4.7" (80-120mm)
Vanguard Sirius 1200x675	24.6" (625mm)	2.7" - 4.3" (69-109mm)
WORTH IFA (1000x250)	8.8" (233mm)	2.8 - 4.3" (70-110mm)

2-1

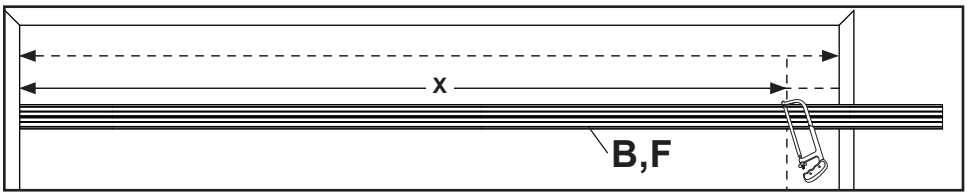
Viewing from the front, arrange extrusions as shown when building assembly.
Expandable extrusion shall be installed on the far right side, note orientation.



2-2

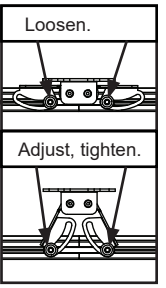
For displays narrower than 1200mm, determine the required extrusion length with the following extrusion cut to length formula:

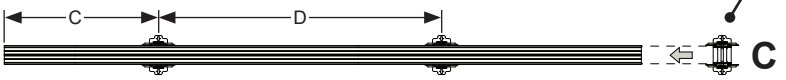
Video Wall Width - 0.25" (6mm) = Extrusion Length



2-3

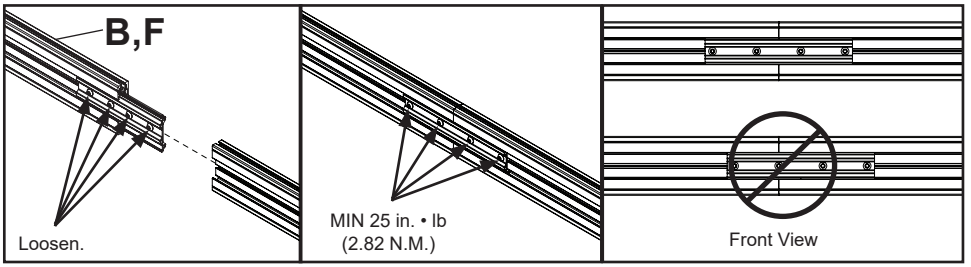
Slide wall plates onto extrusions and tighten with the wall plate fully extended. Space wall plates to the width of display cabinet (dimension "D" from previous step). One wall plate will be placed behind the center of each cabinet. Ensure expandable extrusion is installed on the far right side (when viewing from the front).





2-4

Connect two horizontal extrusions using connector plate.

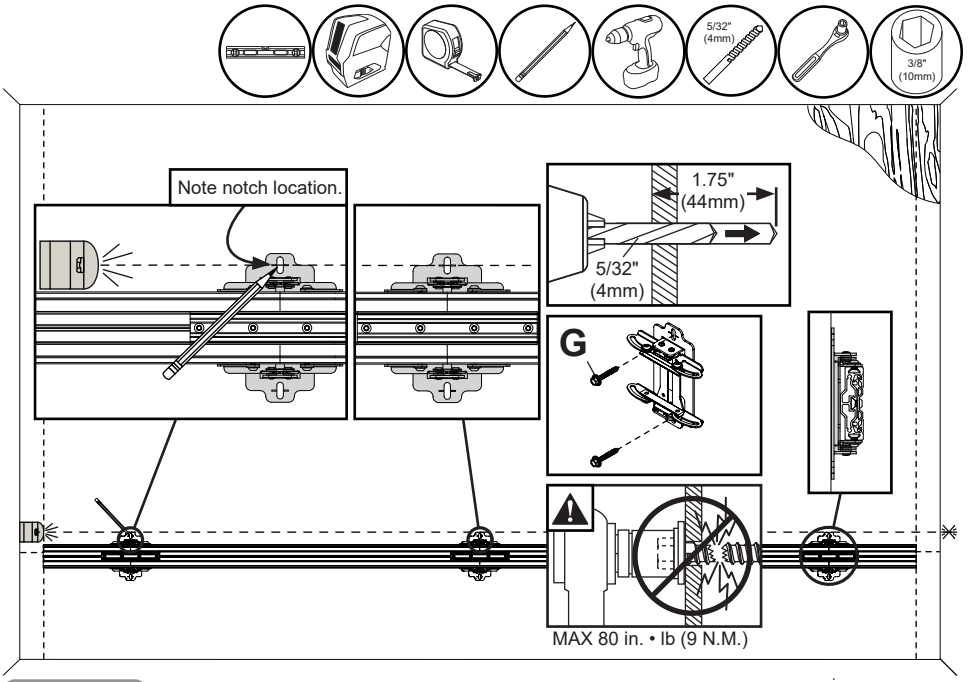


⚠ WARNING

When installing Peerless wall mounts on a wood stud wall covered with plywood, verify that the wood studs are a minimum of 2" x 4" nominal size and plywood is a minimum Grade BC, 1/2" (13mm) thick. Plywood may be covered by gypsum board (drywall) up to 5/8" thick.

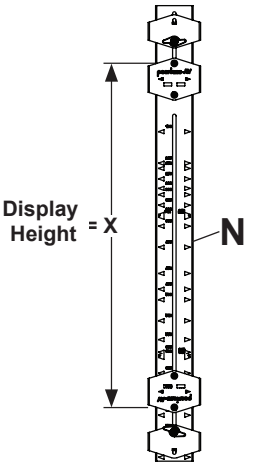
3

Install the bottom row, first extrusion assembly, on the laser line per table (step 1), dimension "A". Install additional bottom row extrusions one at a time using connector plates to join extrusions (step 2). Drill mounting holes and install screws and washers with notch of wall plates on the laser line.



3-1

Determine the height of the displays being mounted and locate the same dimension on the front of the spacer. If that height is above 686mm, attach spacer extension. If that height is not listed on the spacer, use measurement of height of display to set custom spacing.



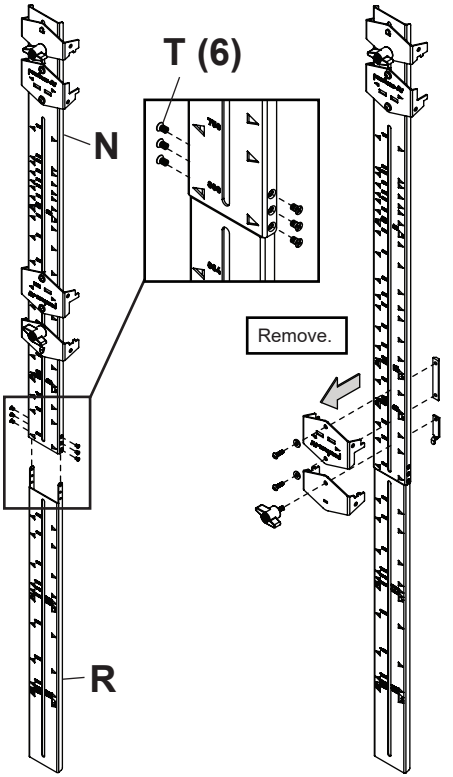
X > 686mm → 3-2

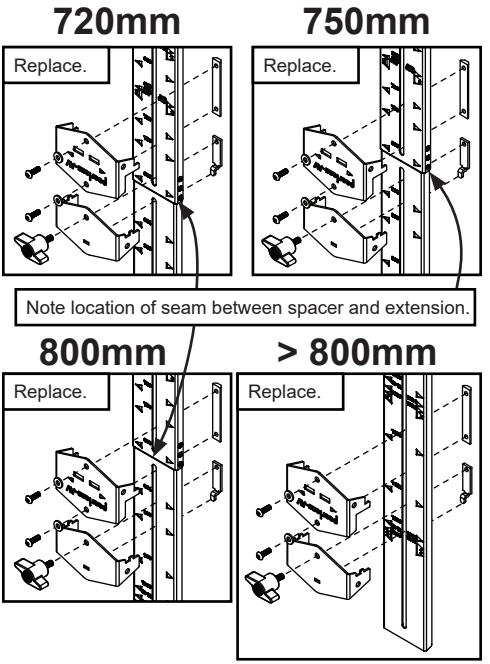
X ≤ 686mm → 4a

X = Not listed → 4b-1

3-2

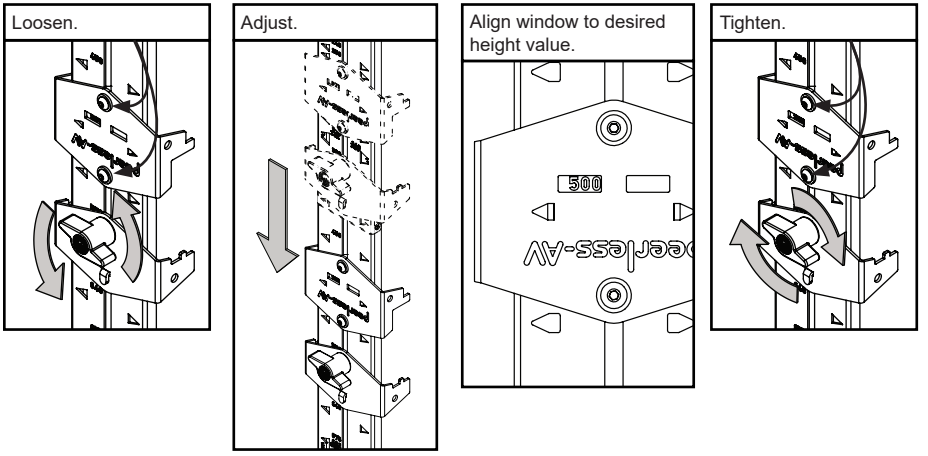
Add the extension when "X" measurement (step 3) is taller than 686mm. Detach lower fixed jaw and clamp bracket from main spacer assembly and reattach to the extension.





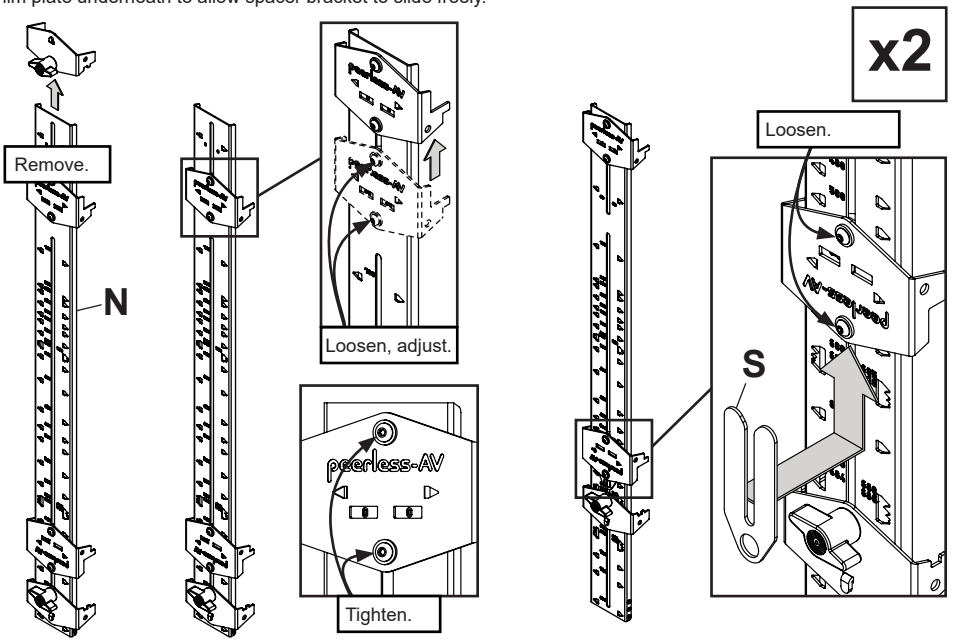
4a

Move spacer bracket and clamp to align window of spacer bracket with corresponding height value (measurement "X", step 3).



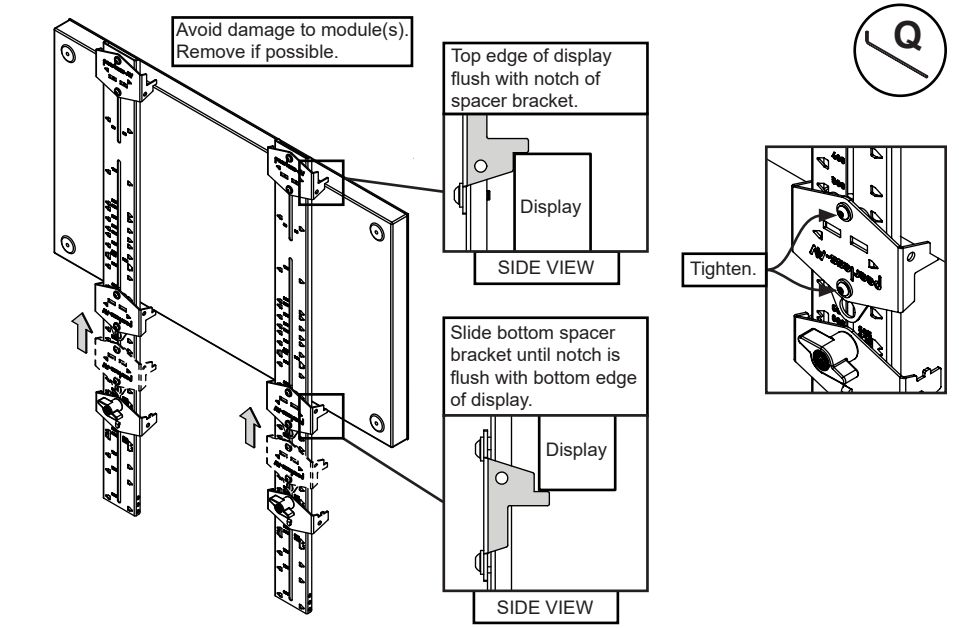
4b-1

If the display height is not listed on the spacer, measure the display to set custom spacing. Remove top spacer clamp. Move upper spacer bracket to the zero position. Loosen lower spacer bracket to insert shim plate underneath to allow spacer bracket to slide freely.



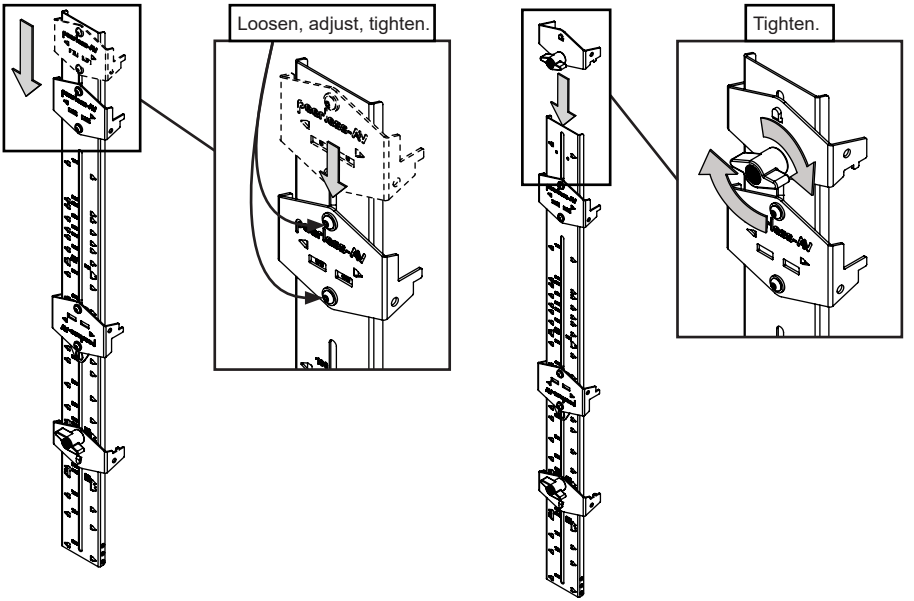
4b-2

With spacer brackets positioned wide enough to fit display inside, position notch of top spacer bracket flush with top edge of display. Slide the bottom spacer bracket to the bottom edge of display. Tighten screws of bottom spacer bracket.



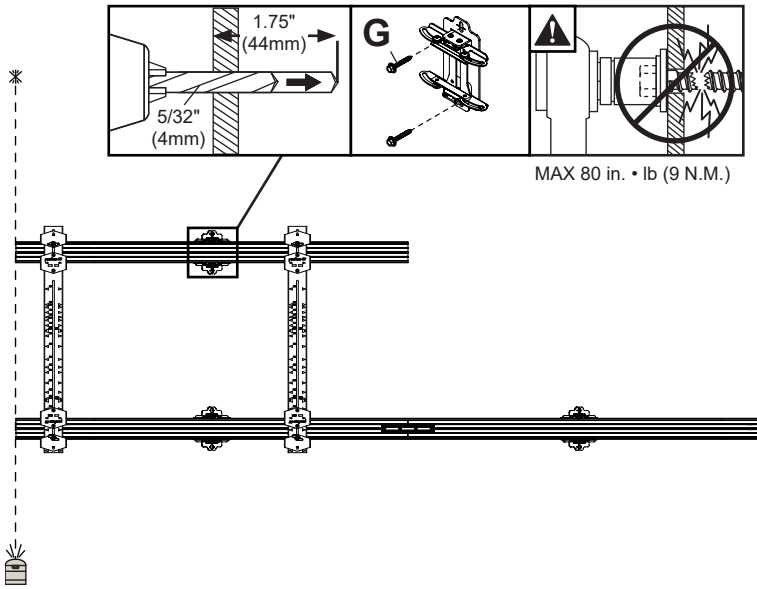
4b-3

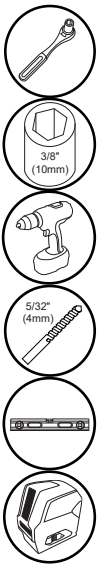
Remove display. Return top spacer bracket to the 80mm position. Replace top clamp onto assembly.



5

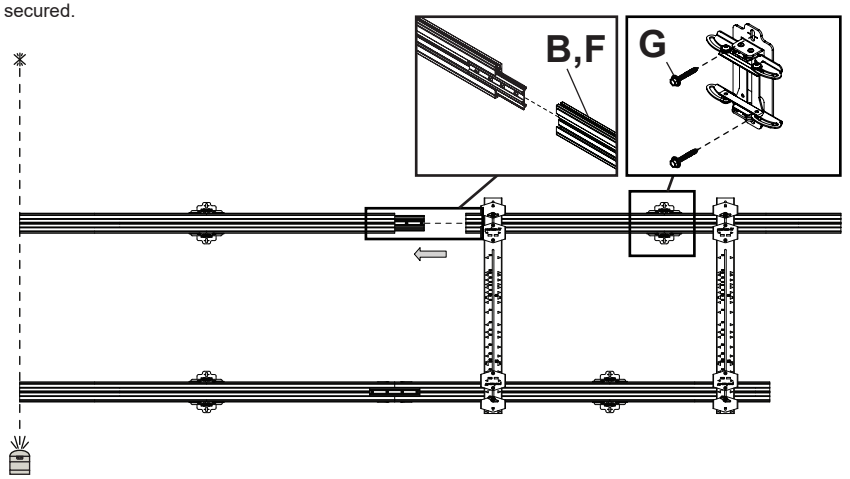
Install remaining extrusions using the spacers. Clamp the upper spacer jaw assembly to an uninstalled extrusion assembly. Clamp the bottom spacer jaw assembly to the installed extrusion. Vertically align extrusions with a laser. Drill mounting holes into supporting surface and install wall plates to the wall.





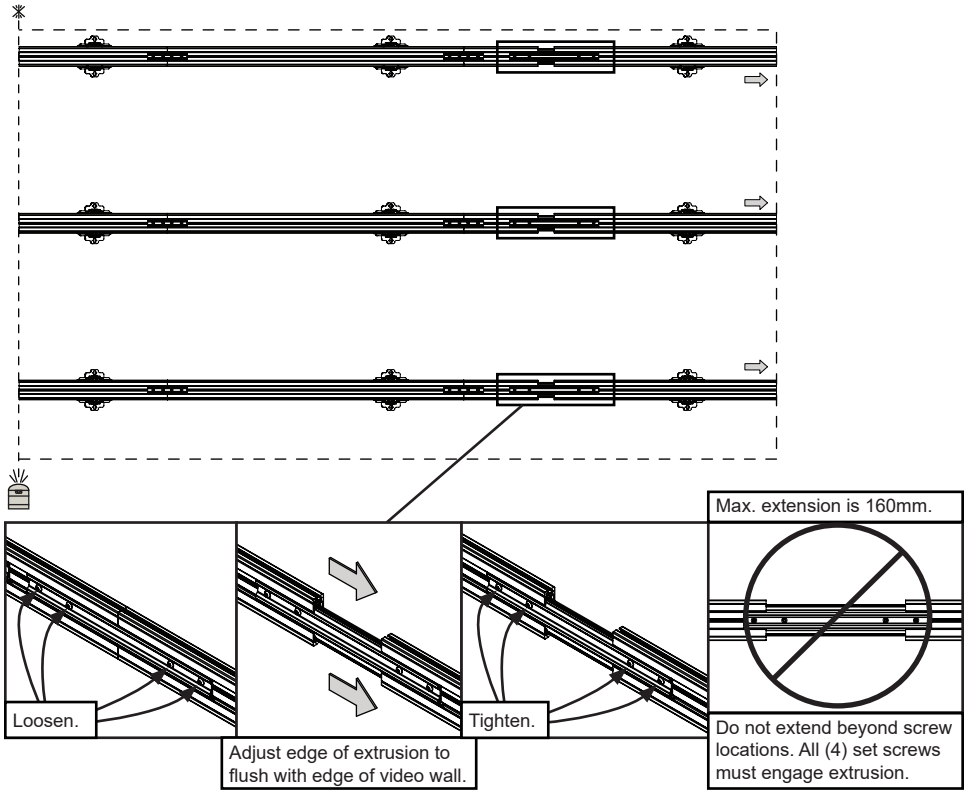
6-1

Loosen clamps and remove spacers. Repeat previous steps to install the next extrusion. Engage and secure connecter plate to mounted extrusions. Secure wall plates to wall. Remove spacer when extrusions are fully secured.



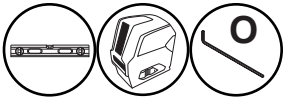
6-2

Once the entire row is installed, compare the length of the extrusion to width of the video wall. If the extrusion is shorter, use the expansion joint to extend the overall length of the extrusion so that it is flush with the video wall. The expansion joint can be extended up to 160mm.

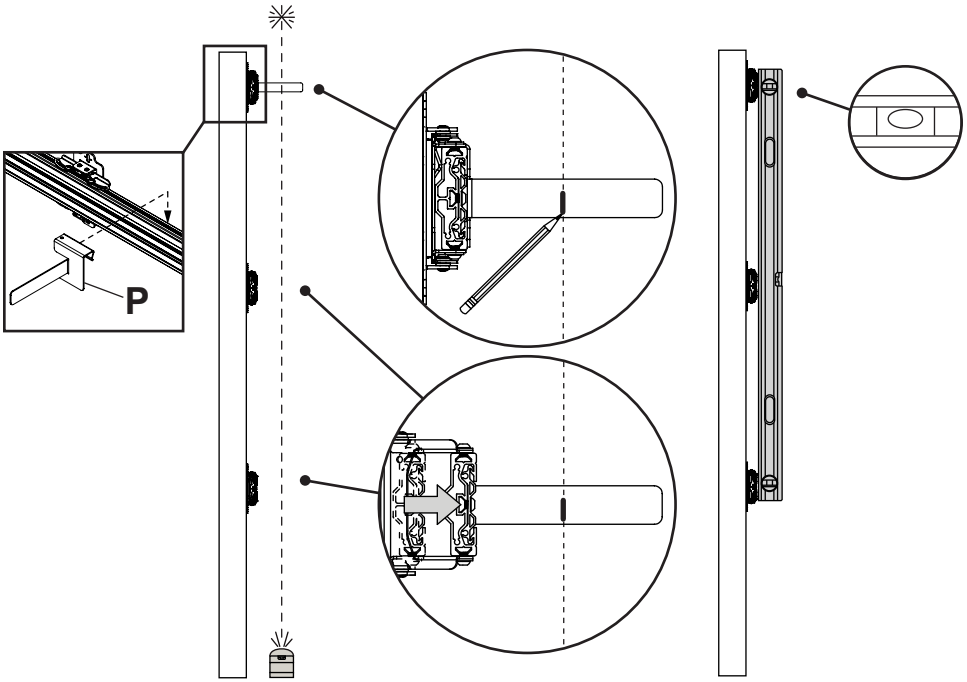


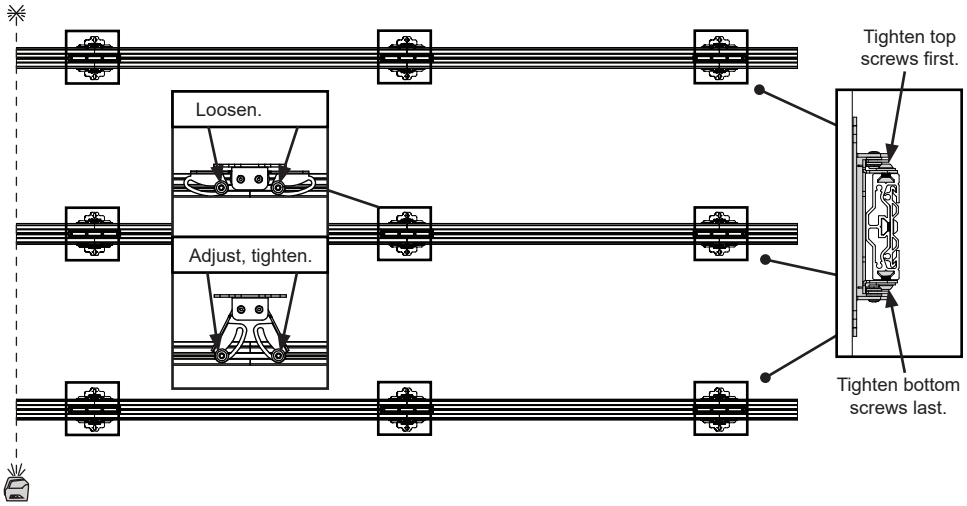
7-1

Set the laser level so that it is parallel to the mounting surface (wall). Measure from wall to laser in various locations and find the wall's high point. Mount the laser target at the location that is near the wall's high point and closest wall plate. Adjust the extrusion out slightly from the wall, tighten wall plate screws and mark laser line on the target. Move the target to the remaining wall plates, adjusting depth until the laser is on the line, tightening the screws as you go.



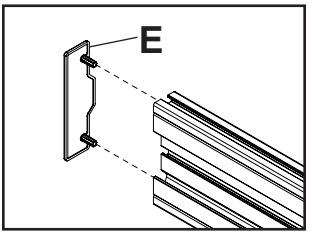
Double check using a straight edge to span three extrusions. Adjust low and high spots as needed.

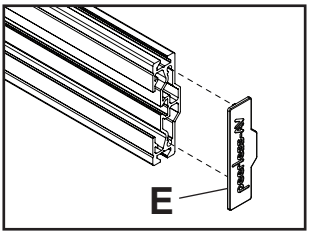




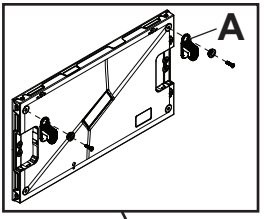
7-2

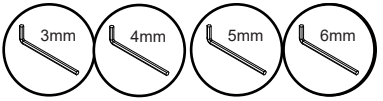
Attach end caps.

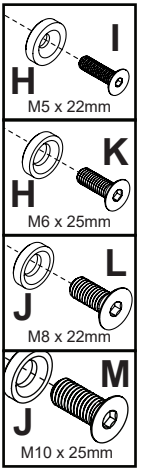




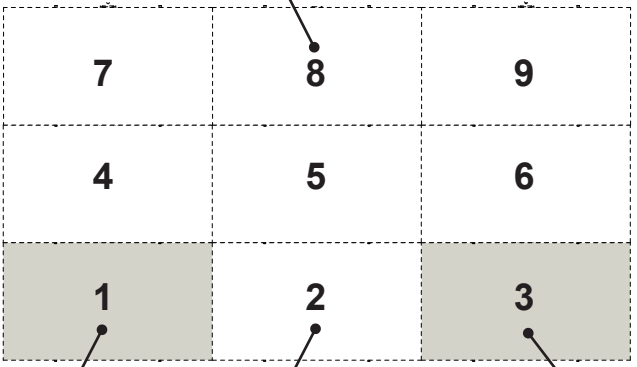
8

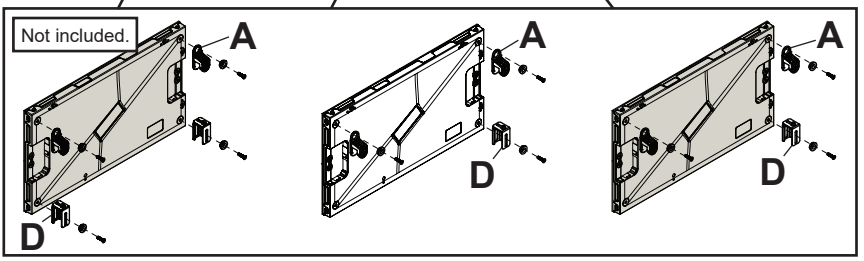






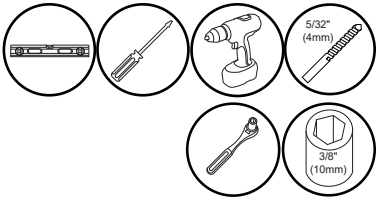
If mounting hardware is preinstalled, remove and replace with hardware provided.

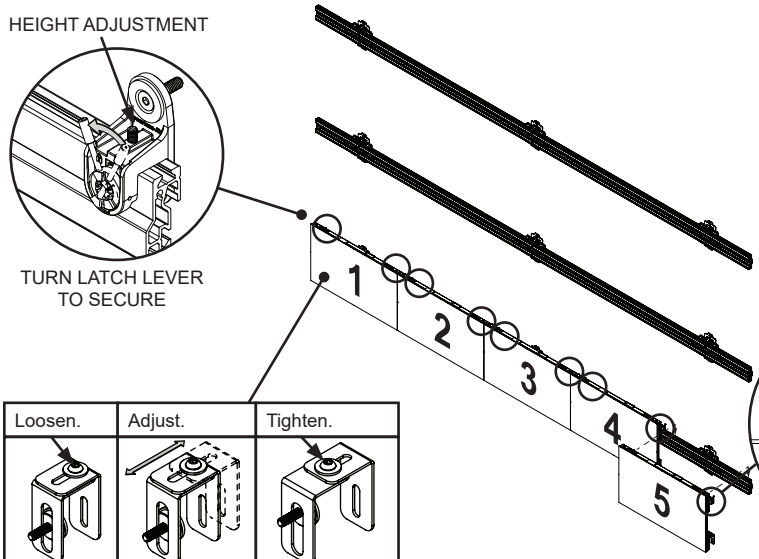


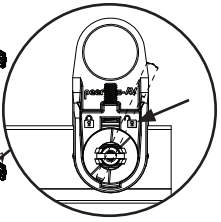


9

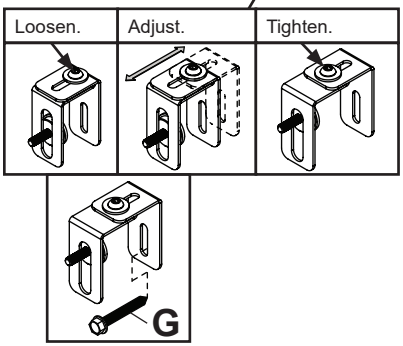
Hook display cabinets onto horizontal extrusion, adjust height to level and join cabinets together using display's connecting system. Adjust plumb with depth adjustment bracket, close latch, then run cables one at a time starting from left to right.



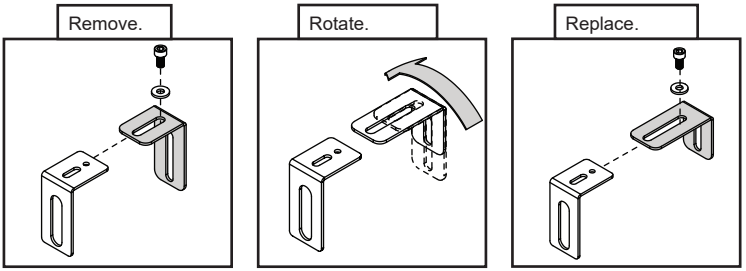




ENSURE LATCH IS UNLOCKED PRIOR TO INSTALLATION.

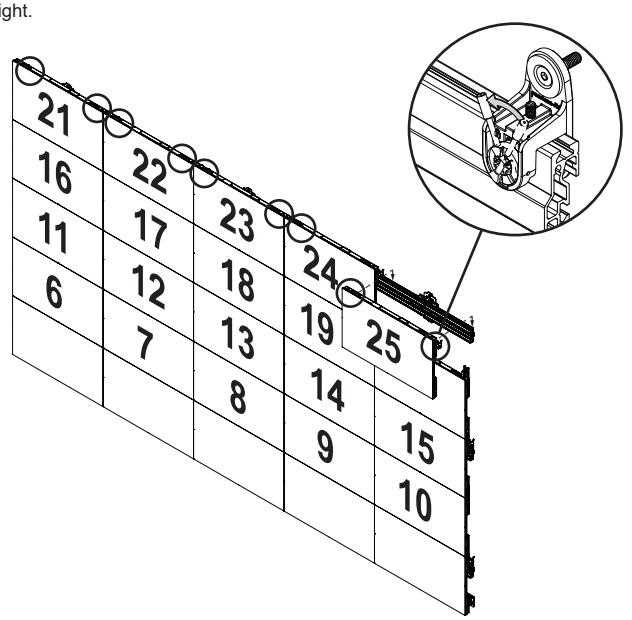


OPTIONAL: Depth adjustment bracket can be disassembled and 'L' bracket rotated as shown to achieve additional depth.



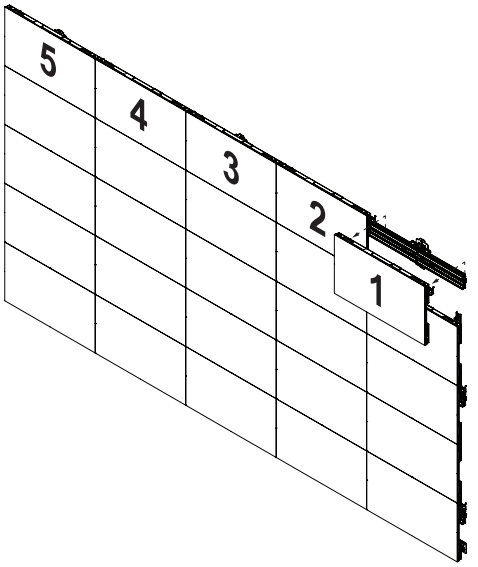
9-1

Hook display cabinets onto horizontal extrusion, adjust height to level and join cabinets together using connecting system. Close latch, then run cables one
at a time starting from left to right.



9-2

To remove, start from the top right. Open latch assemblies, disconnect cables, separate cabinets and remove displays one at a time.



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