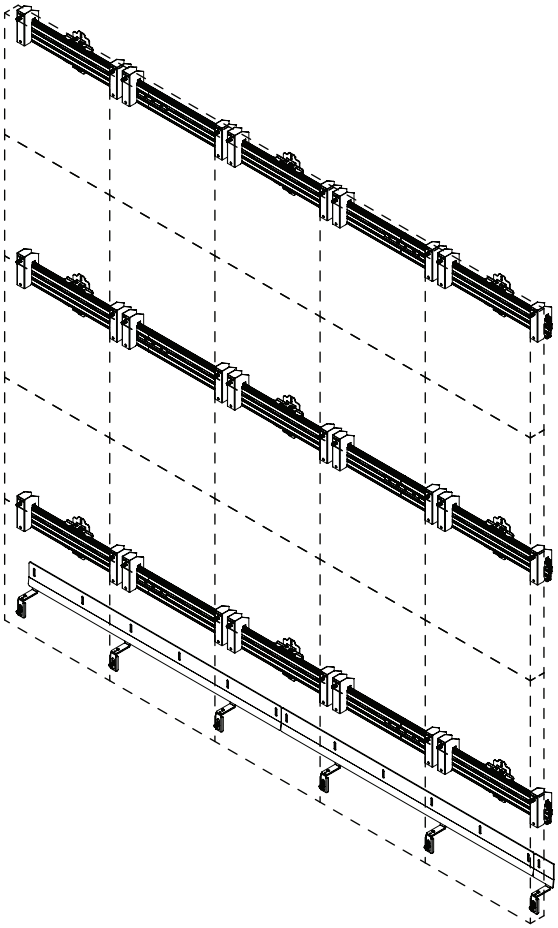
peerless-AV®

Positioning Pixels Globally ™

SEAMLESS Connect
Universal dvLED Outdoor Mounting System
LEDOWM Series

***Actual configuration may vary**



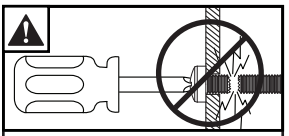
Scan for additional information regarding outdoor design criteria.

ENG

⚠ WARNING

This product is designed to be installed on solid concrete or cinder block walls. Hardware is included for solid concrete or cinder block 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. Be careful not to pinch fingers when operating the mount. This product is engineered and tested by Peerless-AV to resist wind loads of 120 mph, Exposure C. This product is designed to comply with ISO 9223 category C4 corrosion resistance and IBC Seismic Design Category D. For support please call customer care at 1-800-865-2112 or visit www.peerless-av.com.

Symbols



Do not overtighten screws.

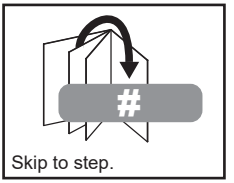




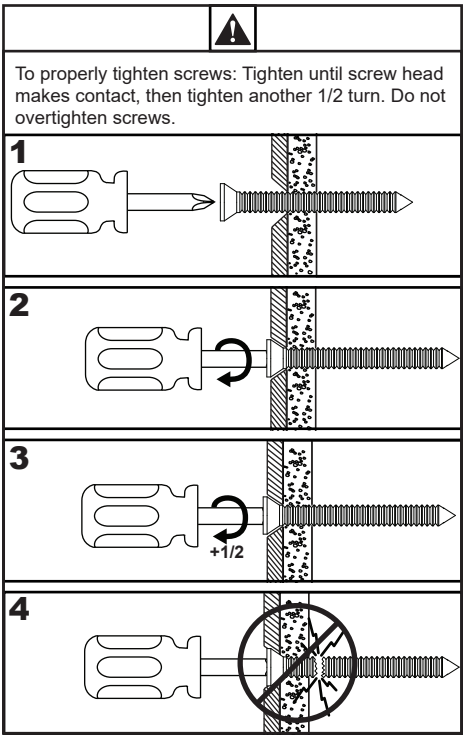
Screws must get at least three full turns and fit snug.



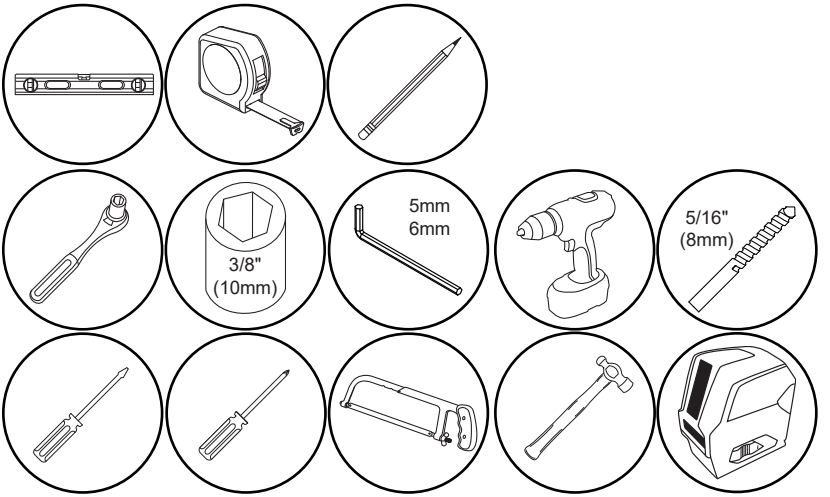
Wear anti-static gloves.



Skip to step.



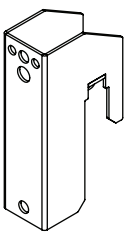
Tools Needed for Assembly.



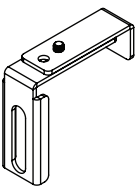
Parts (Before beginning, make sure you have all parts shown below). *Refer to parts list included with your model.

Parts List

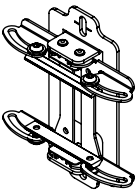
	Description	Qty.*
A	stand-off support bracket	
B	horizontal extrusion 1200mm	
C	horizontal extrusion 600mm	
D	wall plate	
E	display adaptor	
F	depth adjustment bracket	
G	#14 x 1.75" wood screw	
H	8mm concrete anchor	
I	anti-lift adaptor	
J	end cap	
K	M6 socket screw	
L	M8 socket screw	
M	M10 socket screw	



E
display adaptor



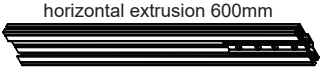
F
depth adjustment bracket



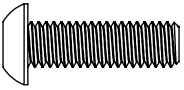
D
wall plate



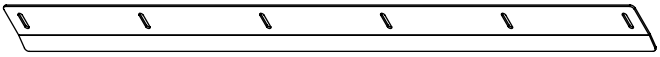
J
end cap



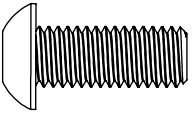
C
horizontal extrusion 600mm



K
M6 socket screw



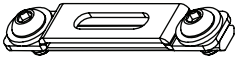
A
stand-off support bracket



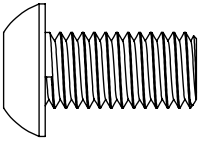
L
M8 socket screw



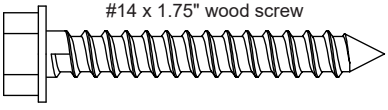
B
horizontal extrusion 1200mm



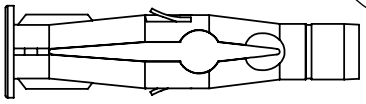
I
anti-lift adaptor



M
M10 socket screw



G
#14 x 1.75" wood screw



H
8mm concrete anchor

Parts List

	Description	Qty.
AA	spacer	2
BB	3mm allen wrench	1
CC	4mm allen wrench	1
DD	spacer extension	2
EE	shim plate	2
FF	laser target	2
GG	M4 flat head screw	12



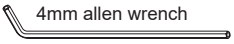
AA
spacer



DD
spacer extension



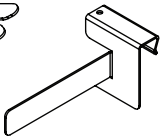
BB
3mm allen wrench



CC
4mm allen wrench



EE
shim plate



FF
laser target



GG
M4 flat head screw

LEDUNVSPACER3 Kit sold separately.

1-1

Arrange the extrusions.

Viewing from the front, arrange extrusions as shown when building assembly. If your mount does not include a 600mm extrusion, use only the 1200mm extrusions.



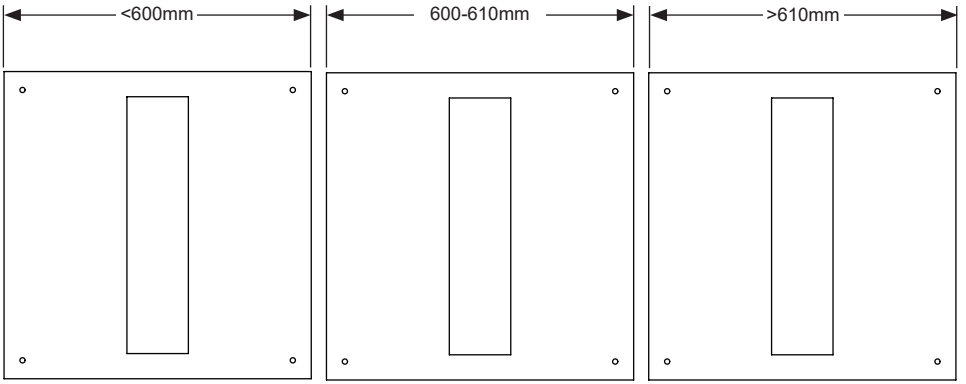


1-2

Add wall plates to the extrusions.



Determine wall plate spacing. There are three different options based on width of display cabinet:

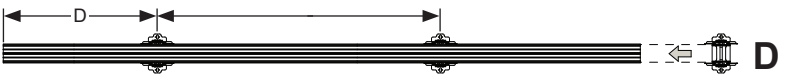


For cabinets smaller than 600mm wide, skip between 1 to 3 display columns so that wall plates are between 960-1220mm apart.

Example: a 500mm cabinet will skip 1 column (500 x 2 spaces = 1000mm). A 240mm cabinet will skip 3 columns (240 x 4 spaces = 960mm).

For single column applications (600-610mm wide displays), use two wall plates spaced evenly behind the display column.
For ODD number of display columns, place the next wall plate at every-other column.
For EVEN number of display columns, start with wall plates in columns 1 and 2, then every other column (i.e., columns 1, 2, 4, 6).

For single column applications (>610mm), use two wall plates spaced evenly behind the display column.
For two (2) or more columns, use one wall plate at middle of each display column.

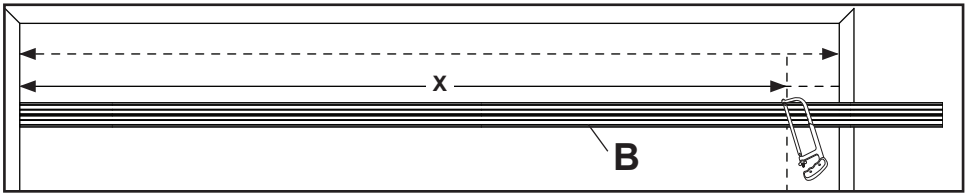


Slide wall plates onto extrusions and tighten.

1-3

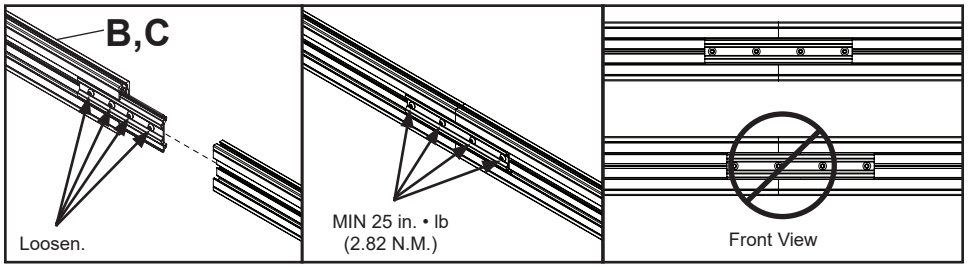
For displays other than 600mm wide, cut the extrusion to length using the following formula:

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



1-4

Connect two horizontal extrusions using connector plate.

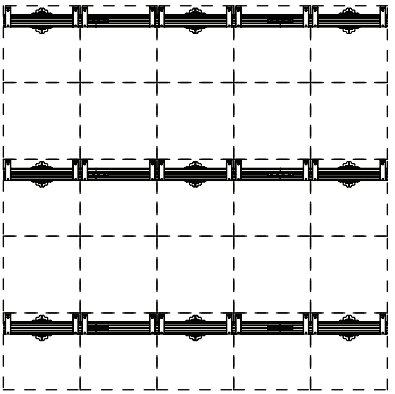


2

Determine extrusion row placement

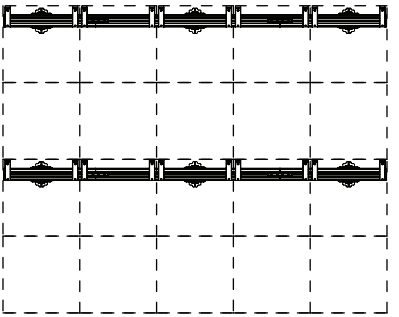
Determine the number of horizontal rows in your video wall. Use the corresponding dimensions from table on the following step based on video wall having either an odd or even number of rows.

Displays less than or equal to 610mm tall.

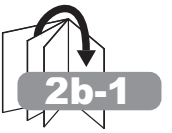


Odd number of rows.



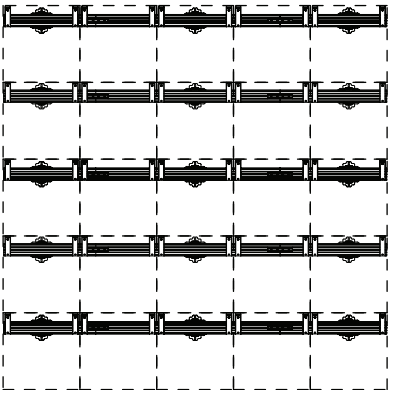


Even number of rows.



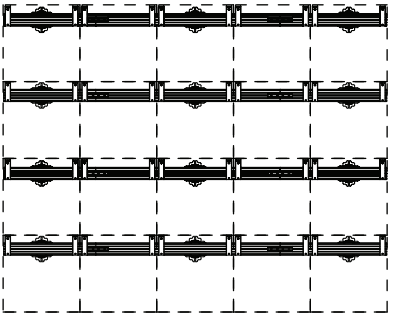
Displays greater than or equal to 610mm tall.

Note, for displays taller than 610mm, the mount will always start at the bottom row and will not skip rows.



Odd number of rows.





For even number of rows, and the displays are taller than 610mm, follow the odd number of rows option.

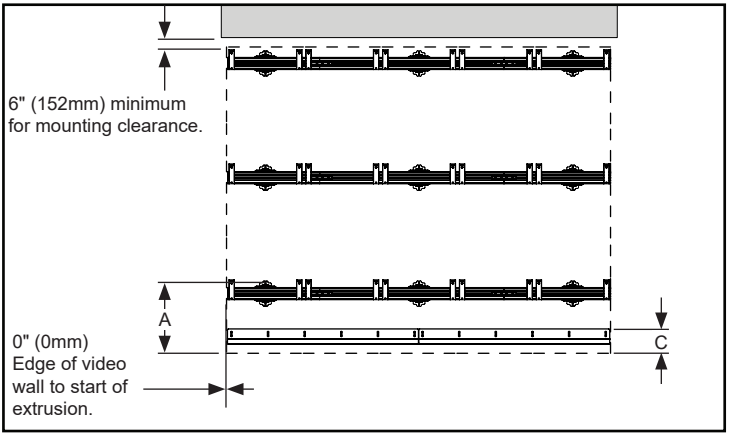


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2a-1

Odd number of rows.

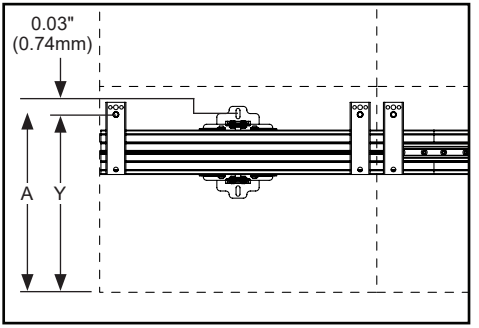
See table and drawing below for dimensions that will locate mount on the wall.



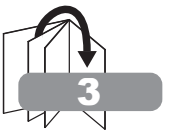
2a-2

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

A = Y + 0.03" (0.74mm)



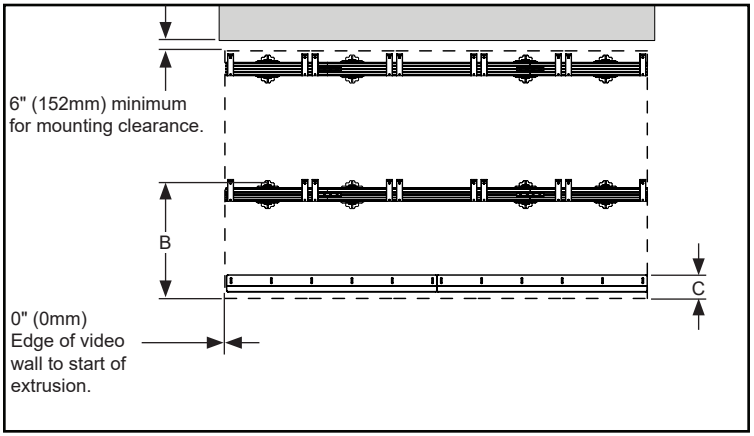
For odd number of rows, and the displays are taller than 610mm, start with extrusion at bottom row.



2b-1

Even number of rows.

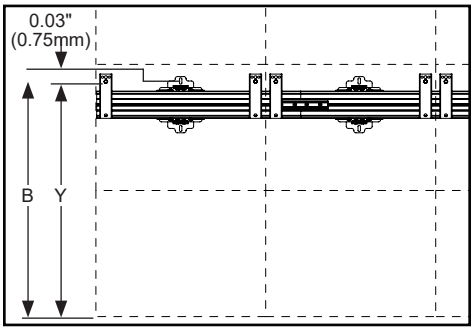
See table and drawing below for dimensions that will locate mount on the wall.



2b-2

If display model is not listed on table in following step, use formula provided to calculate the dimension ("B") used to locate mount on the wall. Y = bottom of display tile to top pair of mounting holes on back of display.

B = Y + 0.03" (0.75mm)



For even number of rows, and displays shorter than 610mm, start with extrusion at second row of displays from the bottom.

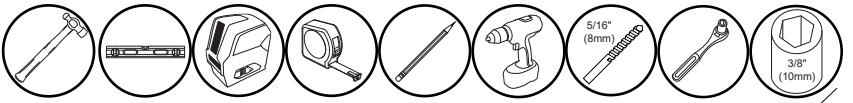
Compatible Display	Bottom of video wall to first wall plate (Odd number of rows) Dimension A	Bottom of video wall to first wall plate (Even number of rows) Dimension B	Bottom of video wall to top edge of stand-off support bracket Dimension C
Absen AW (500x500)	18.57" (471.7mm)	38.25" (971.7mm)	4.44" (112.7mm)
Absen AW (500x750)	28.41" (721.7mm)	N/A	4.49" (114mm)
Absen Axx25 (A25 series) (1280x960)	36.29" (921.7mm)	N/A	4.44" (112.7mm)
Duhua RE V2	19.16" (486.7mm)	38.25" (986.7mm)	6.98" (177.3mm)
HIKVision DS-D42xxCD-1AAB (500x500)	18.69" (474.7mm)	38.37" (974.7mm)	4.44" (112.7mm)
Hisense XOM066FE (1440x640)	24.26" (616.2mm)	N/A	4.49" (114.1mm)
LEDEC SO-SXE (500x1000)	38.47" (977.2mm)	N/A	4.44" (112.7mm)
Leyard / Planar LUO (500x500)	18.85" (478.7mm)	38.53" (978.7mm)	6.64" (168.7mm)
Leyard / Planar LUW (640x360)	13.19" (335mm)	27.36" (695mm)	6.70" (170.3mm)
LG GSCA-GK (500x1000)	38.33" (973.7mm)	N/A	4.44" (112.7mm)
LG GSCA-GK2 (500x500)	18.65" (473.7mm)	38.33" (973.7mm)	4.44" (112.7mm)
LG GSCD-GN (1000x1000)	37.15" (943.6mm)	N/A	4.44" (112.7mm)
LG GSCD-GN2 (1000x500)	17.46" (443.6mm)	37.15" (943.6mm)	4.44" (112.7mm)
LG GSCF (500x500)	18.57" (471.7mm)	38.25" (971.7mm)	4.44" (112.7mm)
LG GSPA100-GA (960x960)	36.09" (916.7mm)	N/A	4.44" (112.7mm)
LG GSPB-CA (1000x1000)	37.15" (943.7mm)	N/A	4.44" (112.7mm)
LG GSPC-GC (500x500)	18.77" (476.7mm)	38.45" (976.7mm)	4.44" (112.7mm)
LG GSPC-GB (500x750)	28.61" (726.7mm)	N/A	4.44" (112.7mm)
LG GSPC-GA (500x1000)	38.45" (976.7mm)	N/A	4.44" (112.7mm)
Samsung XRB-Y (500x1000)	38.26" (971.7mm)	N/A	4.44" (112.7mm)
Sharp C039e (500x1000)	18.57" (471.7mm)	N/A	4.44" (112.7mm)
Unilumin USK (500x750)	27.90" (708.7mm)	N/A	4.44" (112.7mm)
Unilumin USK (500x1000)	37.74" (958.7mm)	N/A	4.44" (112.7mm)
Unilumin Usurface III (800x900)	33.8" (858.6mm)	N/A	4.66" (118.4mm)
Unilumin RUMIII (500x500)	18.57" (471.7mm)	38.26" (971.7mm)	4.31" (109.6mm)
Uniview MW7740-FO-D (959.5x959.5)	36.39" (924.2mm)	N/A	4.44" (112.7mm)

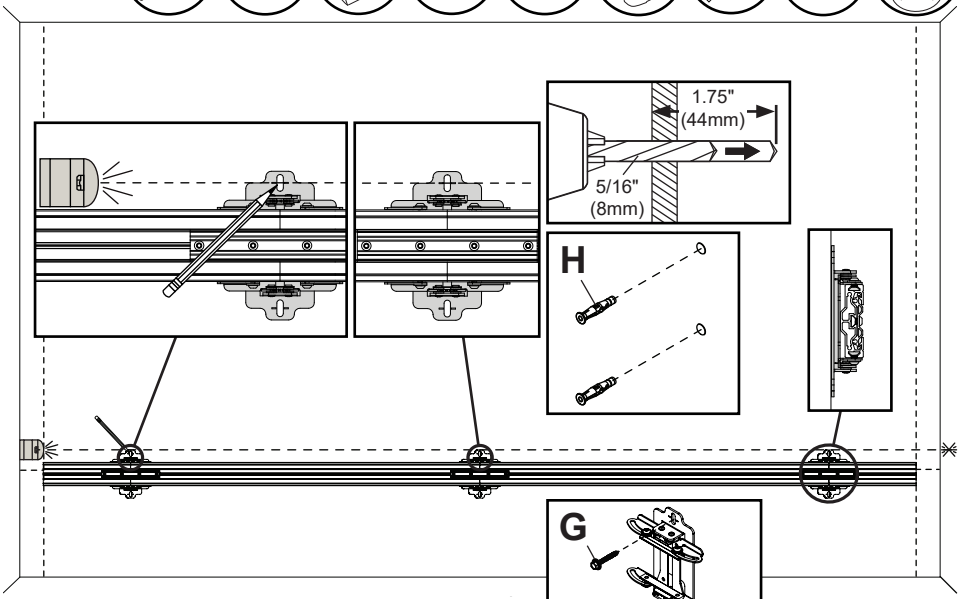
⚠ WARNING

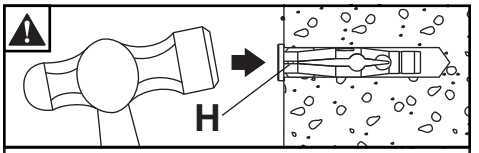
ENG - When installing Peerless wall mounts on a concrete wall, the wall must be at least 8" thick with a minimum compressive strength of 2000 psi. When installing Peerless wall mounts on a cinder block wall, the cinder blocks must meet ASTM C-90 specifications and have a minimum nominal width of 8". Do not drill into mortar joints! Be sure to mount in a solid part of the block, generally 1" (25mm) minimum from the side of the block. It is suggested that a standard electric drill on slow setting is used to drill the hole instead of a hammer drill to avoid breaking out the back of the hole when entering a void or cavity. Never attach concrete expansion anchors to concrete or cinder block covered with plaster, drywall or other finishing material.

3-1

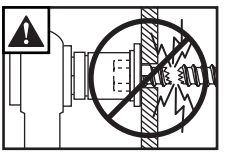
Install the bottom extrusion assembly, on the laser line per table (step 2), dimension "A" or "B". Install additional bottom row extrusions one at a time using connector plates to join extrusions (step 1). Drill mounting holes and install concrete anchors, screws and washers with center of slot on wall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



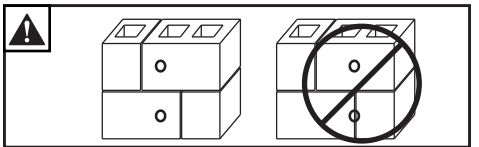




Insert anchor flush to concrete.



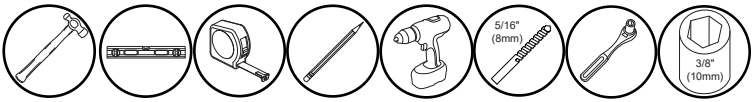
MAX 80 in. • lb (9 N.M.)

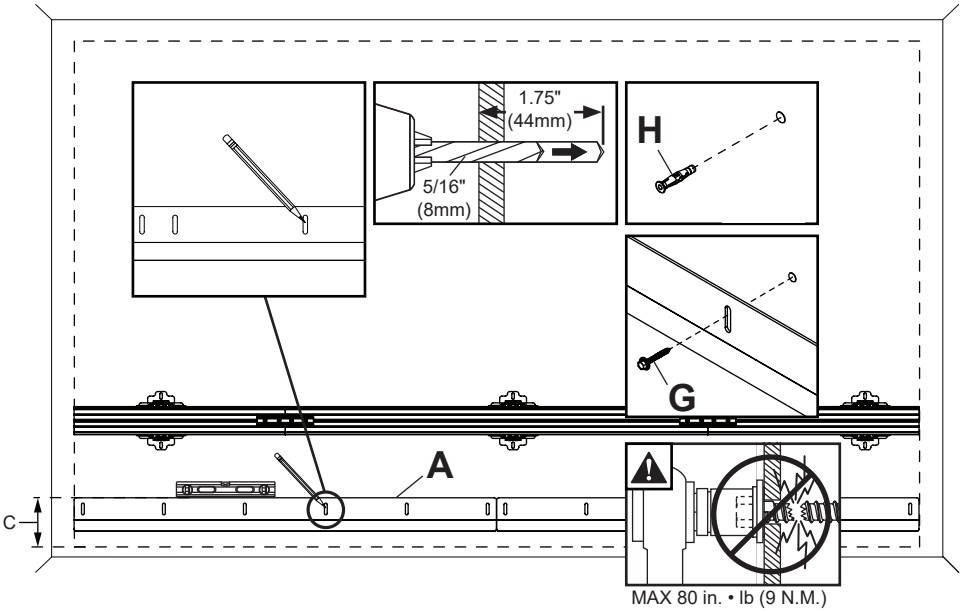


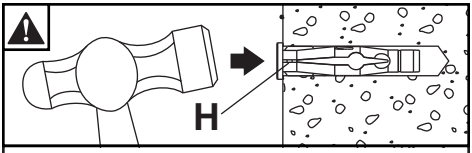
Do not drill into mortar joints!

3-2

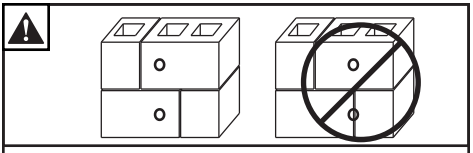
Install stand-off support bracket per table (step 2), dimension "C". Install additional stand-off support brackets to match total width of extrusions. Ensure the stand-off support bracket is level, mark and drill mounting holes, install concrete anchors, and secure using screws and washers provided.







Insert anchor flush to concrete.

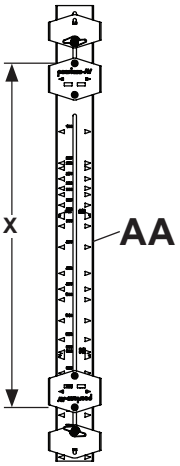


Do not drill into mortar joints!

4-1

If determined in step 2 that video wall WILL skip rows, **X** = combined height of TWO displays.
If determined in step 2 that video wall will NOT skip rows, **X** = height of ONE display.
Locate this height dimension (X) on the front of spacer. If height is above 686mm, attach spacer extension.
If height is not listed on the spacer, use height dimension to set custom spacing.

Note, if combined height of TWO displays exceeds 1220mm, set the spacer based on one display as the mount will not skip rows.



X > 686mm



X ≤ 686mm



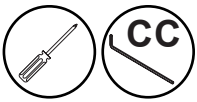
X = Not listed

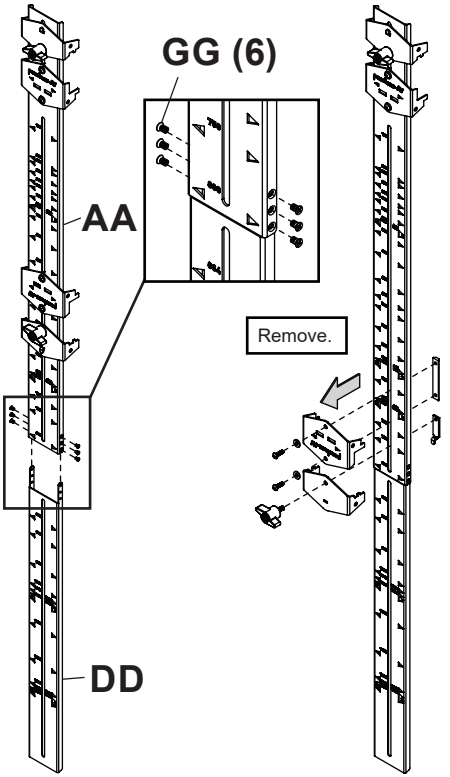




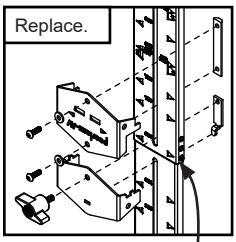
4-2

Add the extension when "X" measurement (step 4-1) is taller than 686mm. Detach lower fixed jaw and clamp bracket from main spacer assembly and reattach to the extension.

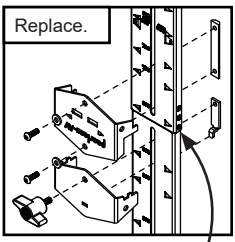




720mm

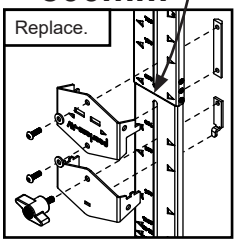


750mm

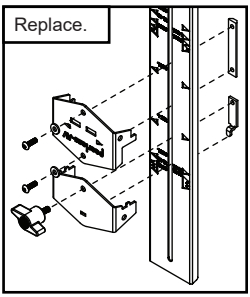


Note location of seam between spacer and extension.

800mm

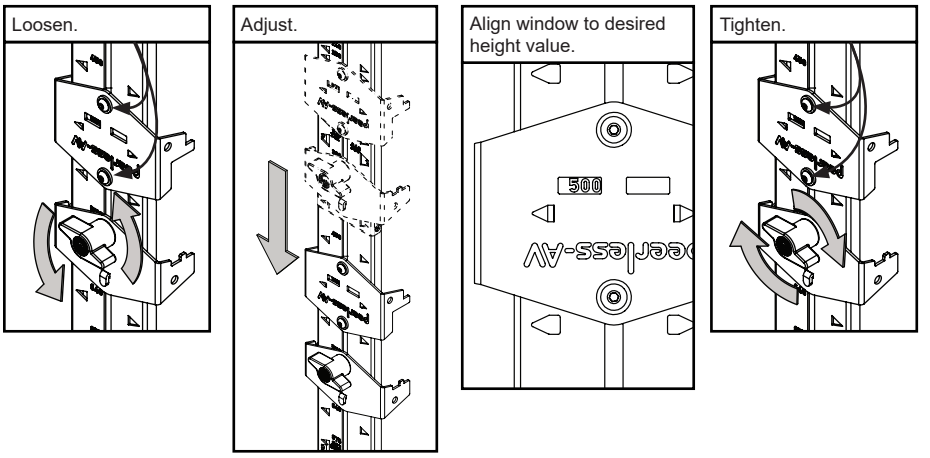


> 800mm



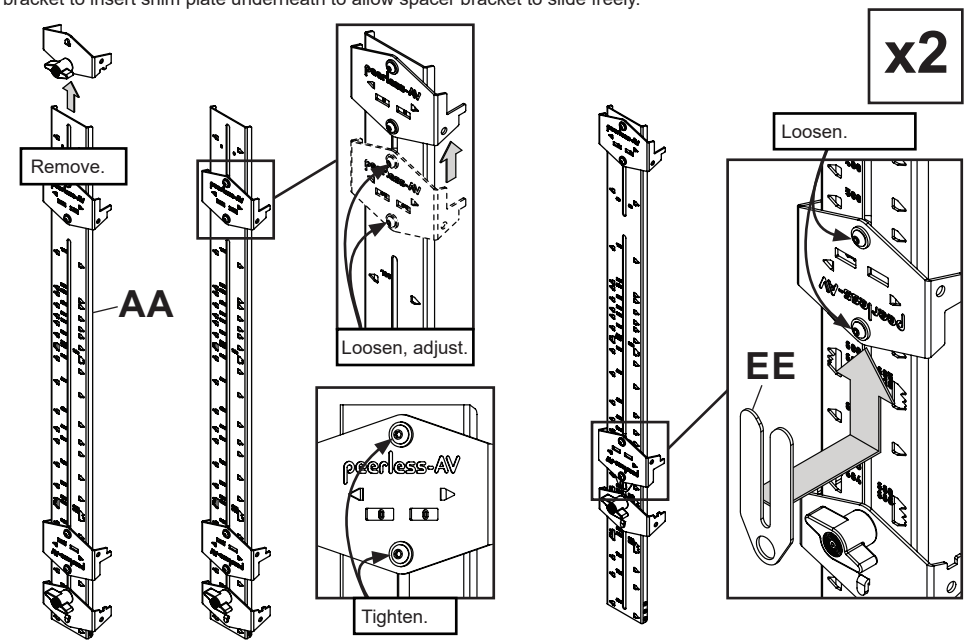
5a

Move spacer bracket and clamp to align window of spacer bracket with corresponding height value (measurement "X", step 4-1).



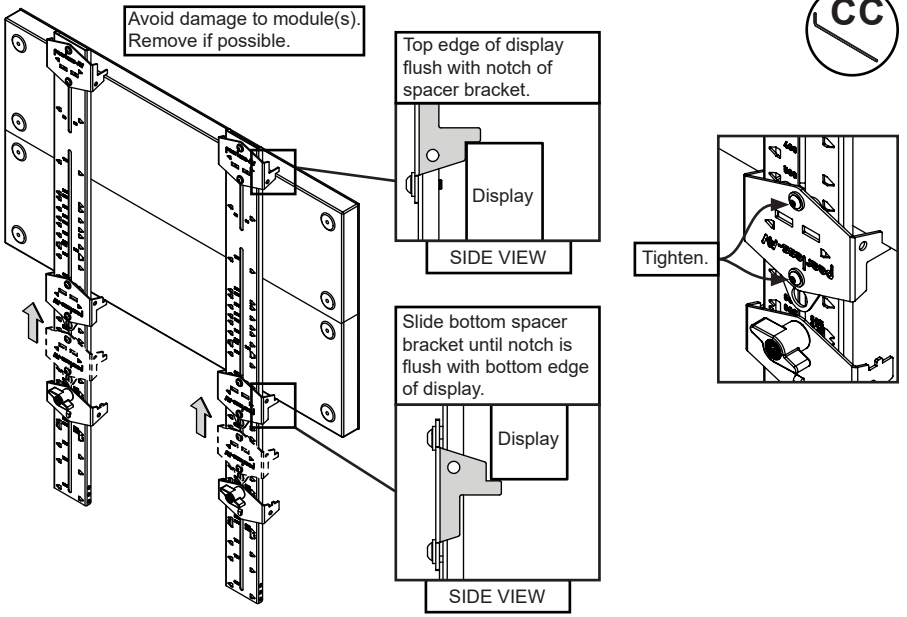
5b-1

If the combined height of TWO displays is not listed on the spacer, measure them 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.



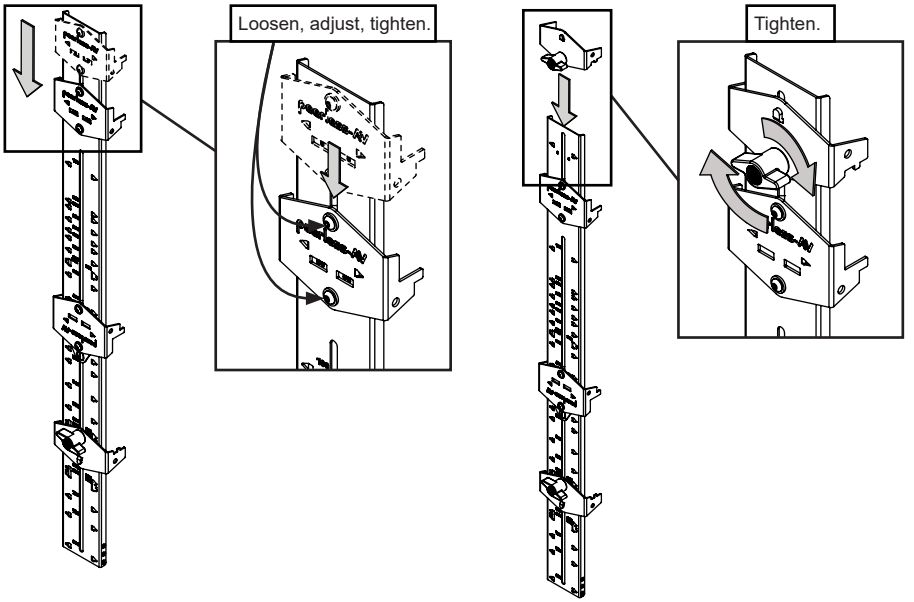
5b-2

With spacer brackets positioned wide enough to fit two displays 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.



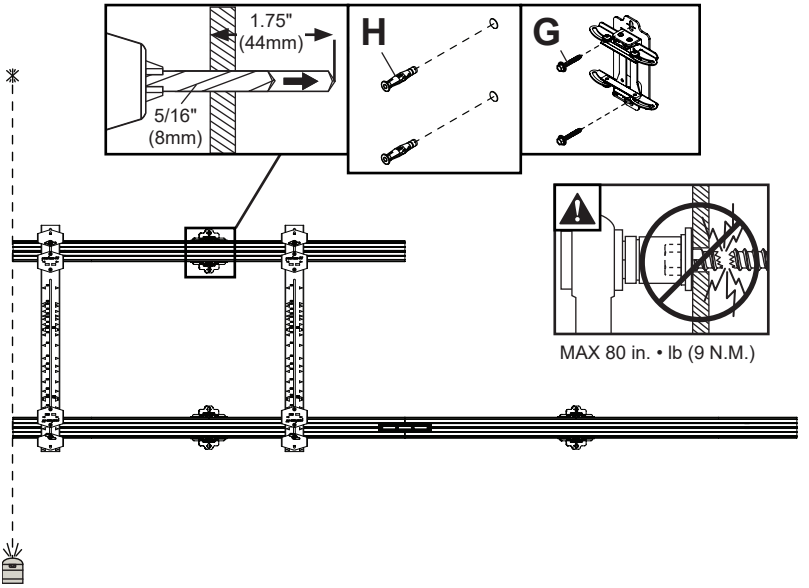
5b-3

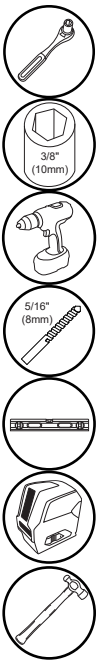
Remove display. Return top spacer bracket to the 80mm position. Replace top clamp onto assembly.

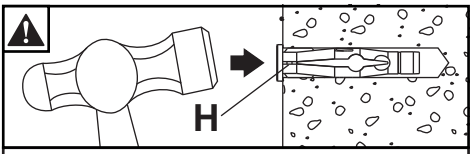


6-1

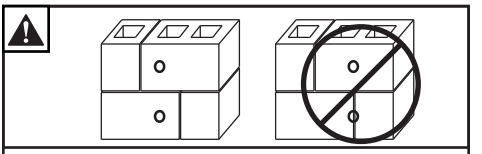
Install remaining extrusions using the spacers. Clamp the upper spacer jaw assembly to an uninstalled extrusion assembly. Clamp the bottom spacer jaw assembly to the installed extrusion. Vertically align extrusions with a laser. Drill mounting holes into supporting surface and install wall plates to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







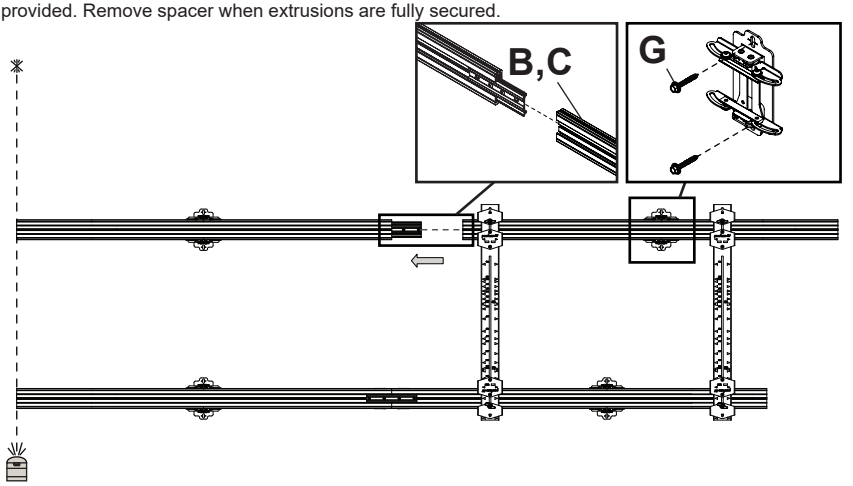
Insert anchor flush to concrete.



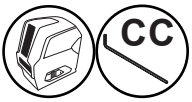
Do not drill into mortar joints!

6-2

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 using concrete anchors, washers and screws provided. Remove spacer when extrusions are fully secured.

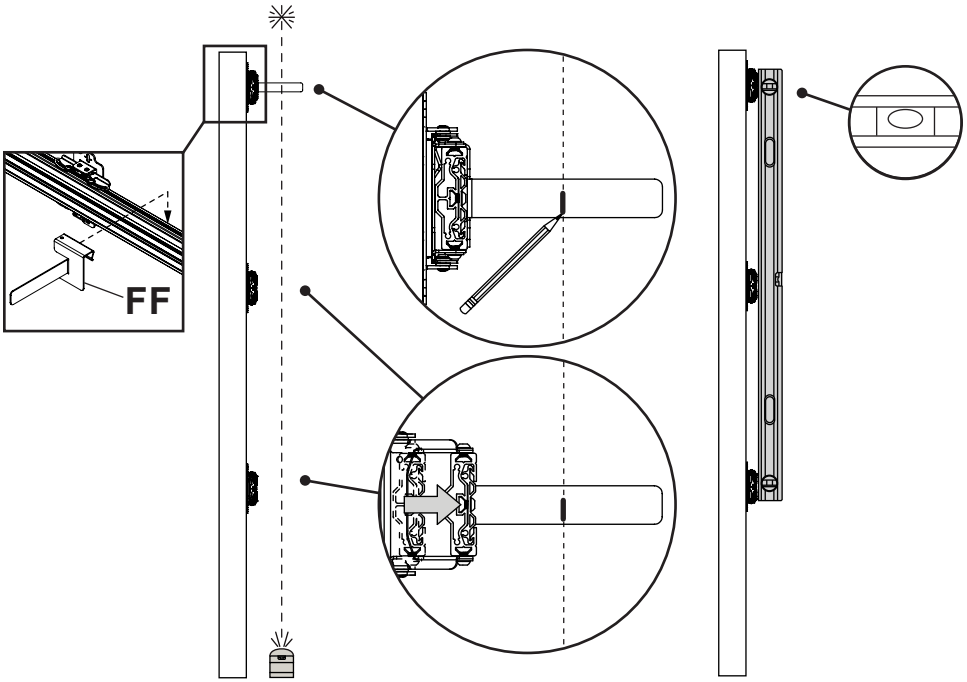


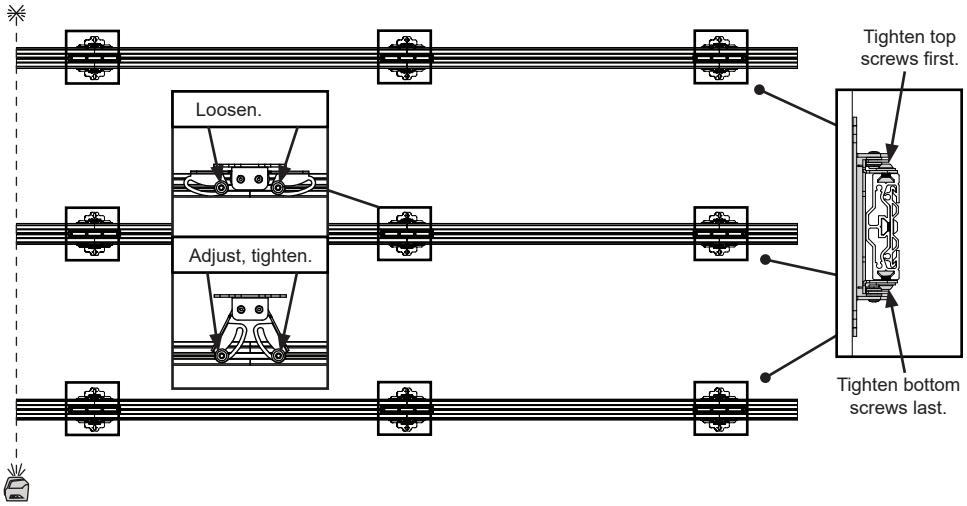
7-1



Set up a rotary laser and laser receiver so that it creates a plane parallel to the mounting surface (wall). Measure from wall to laser plane in various locations and find the wall's high point. Mount the laser target 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 plane 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.

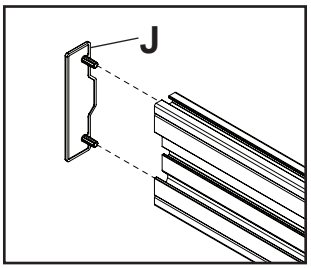
Double check using a straight edge to span three extrusions. Adjust low and high spots as needed.

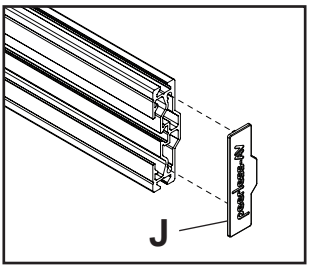




7-2

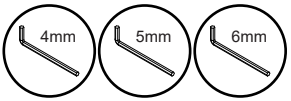
Attach end caps.

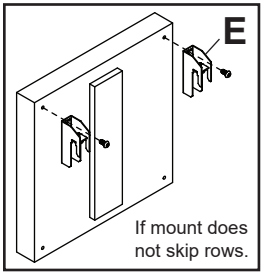


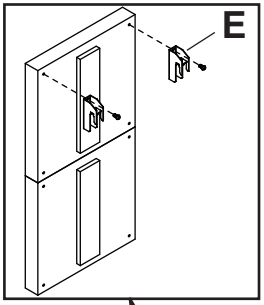


8a

Display cabinets taller than 610mm do not skip rows and start at the bottom. Displays less than or equal to 610mm and odd number of rows, start with a single display at the bottom and then double stack as you go up.

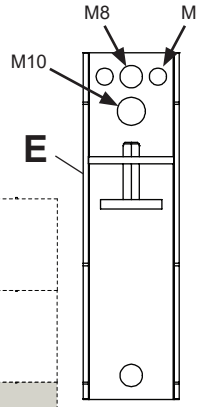


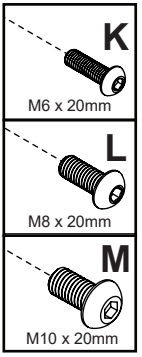


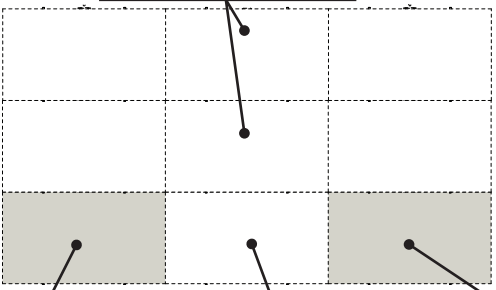


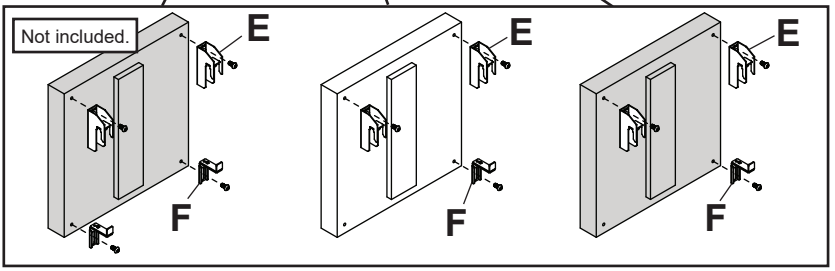


If mounting hardware is preinstalled, remove and replace with hardware provided.



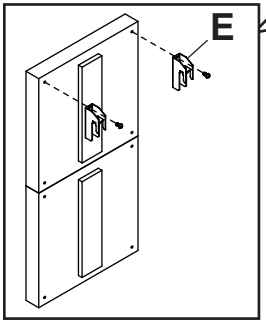




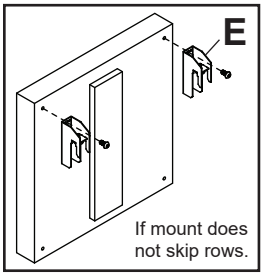


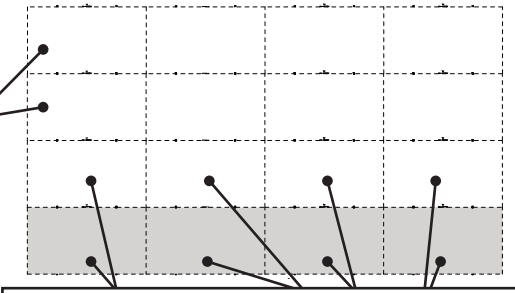
8b

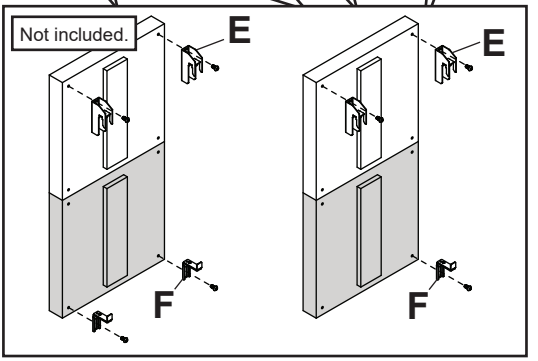
EVEN
Number of Rows

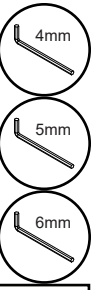


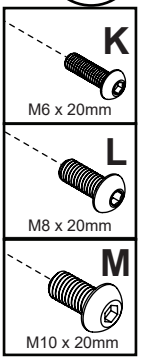
For displays less than or equal to 610mm, join two cabinets together vertically using connecting system. Two displays attached together are then mounted onto extrusion as one.

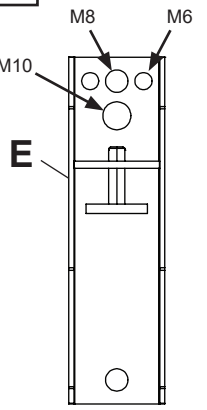






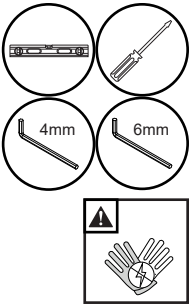






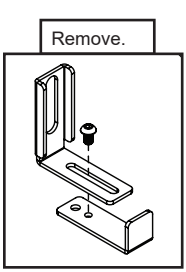
9-1

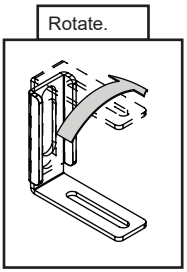
Hook display cabinets onto horizontal extrusion, adjust height to level and join cabinets together using display's connecting system. Keep depth adjustment bracket's hardware loose so that it may be tucked behind the stand-off support bracket. Run display cables one at a time starting from left to right.

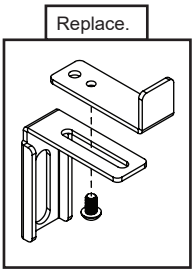


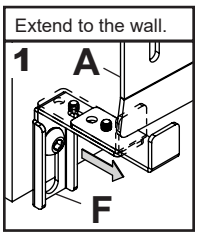
9-2

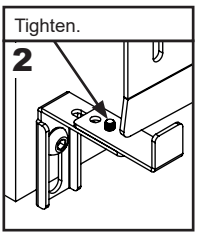
OPTIONAL: Depth adjustment bracket can be disassembled and the display-side bracket rotated, if desired.

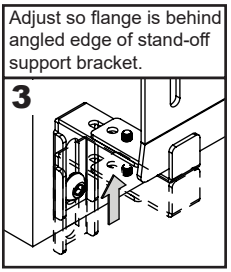


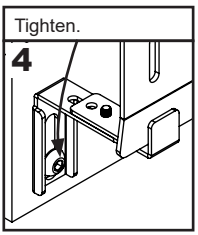






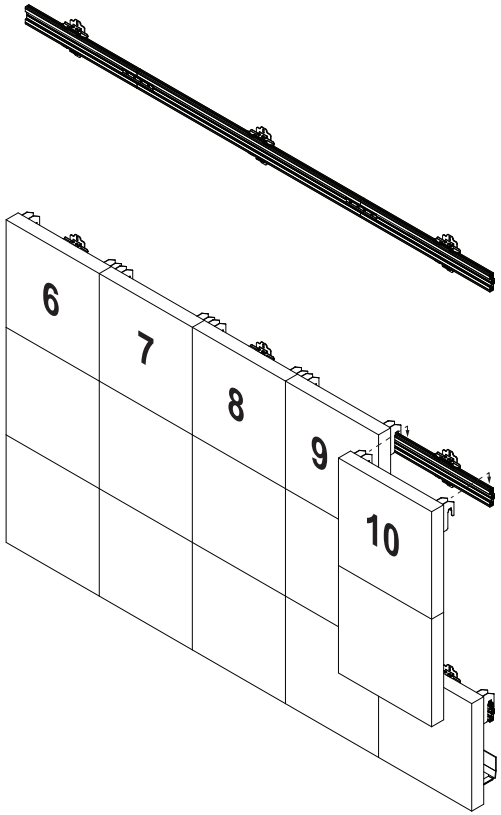






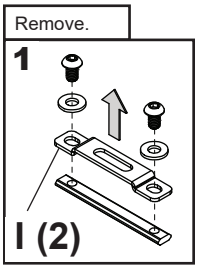
9-3

Ensure flange of all depth adjustment brackets are behind the angled edge of the stand-off support bracket, then adjust plumb as needed. Continue to hook display cabinets onto horizontal extrusions for all middle rows. Join cabinets together using display's connecting system and run cables one at a time starting from left to right.

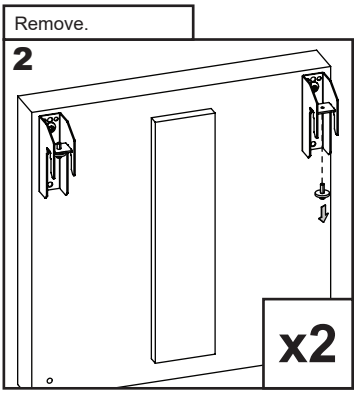


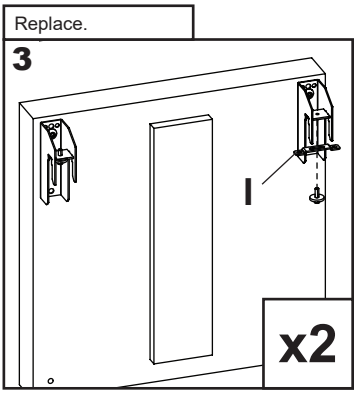
9-4

Disassemble two anti-lift adaptors. Remove one height adjustment screw from the display adaptor on the back of two displays. Install anti-lift adaptor plate while replacing height adjustment screws of the display adaptors.
These shall be attached on opposite sides of the two displays as they will be installed on the top, outside corners.



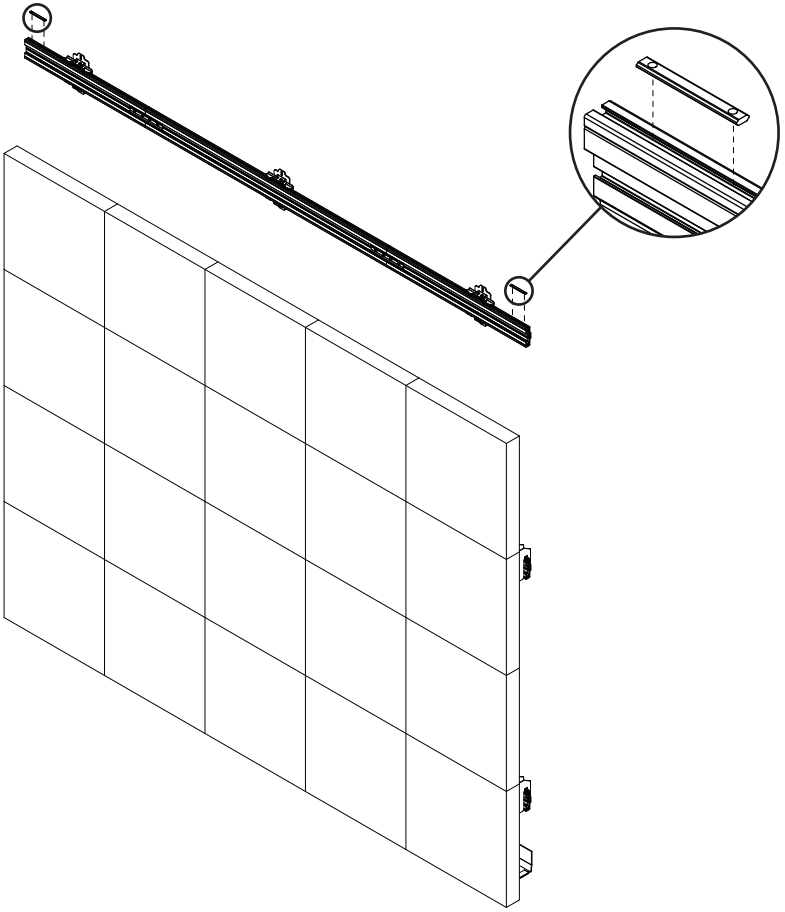






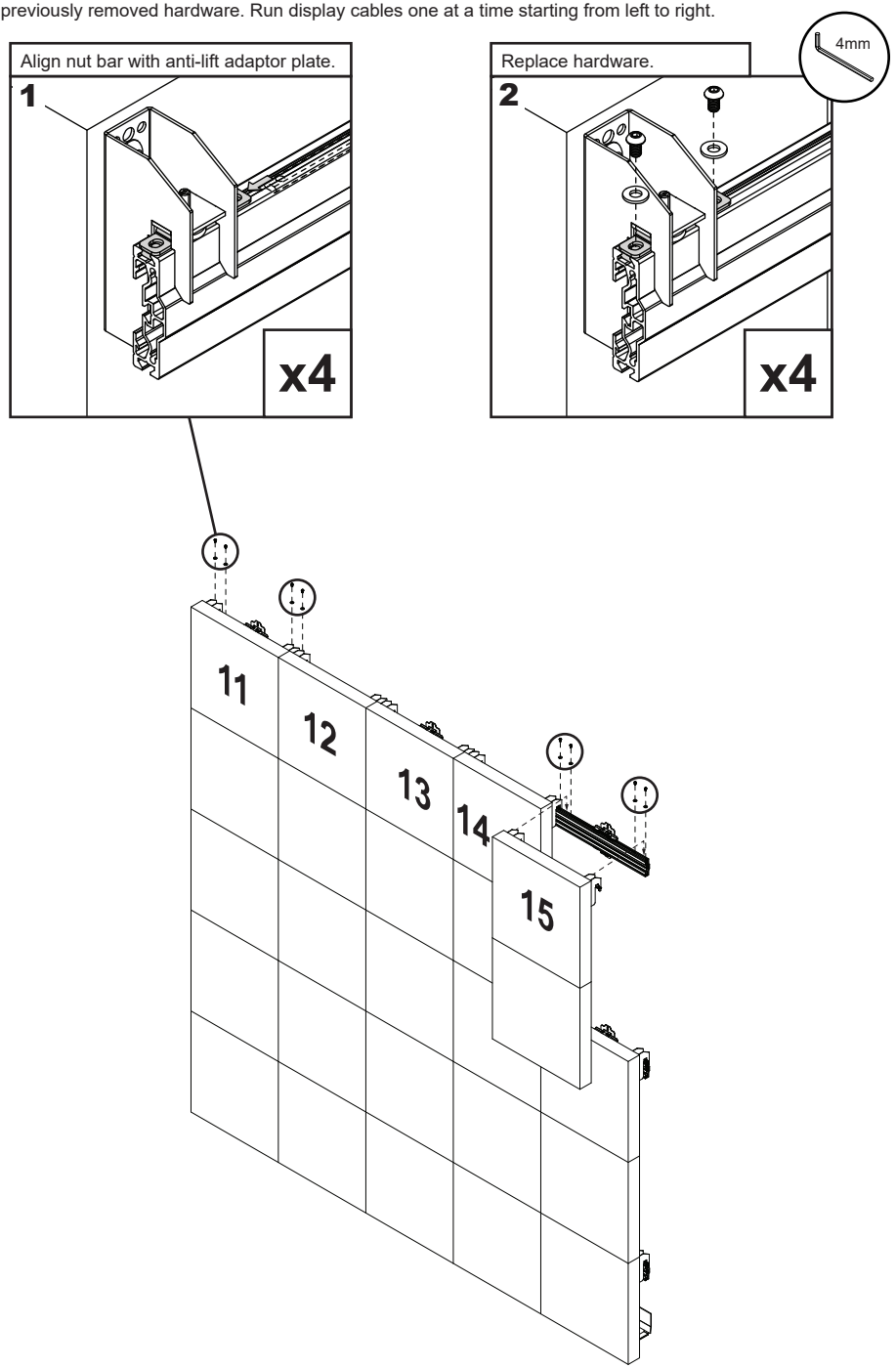
9-5

Install the drop-in nut bars, from the two anti-lift adaptors, into the top channel of the extrusion, one on each end.



9-6

Hook top row of display cabinets onto horizontal extrusion, adjust height to level and join cabinets together using display's connecting system. Secure the two outside displays to the nut bars inside top channel of top extrusion using previously removed hardware. Run display cables one at a time starting from left to right.



ENG	Warranty	ESP	Garantía	FRN	Garantie	DEU	Garantie	NEL	Garantie
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2300 White Oak Circle
Aurora, IL 60502, USA
info@peerless-av.com

(800) 865-2112
(630) 375-5100

Peerless-AV EMEA
Unit 2, Curo Park
Frogmore, St. Albans,
Hertfordshire, AL2 2DD
United Kingdom

+44 (0) 1923 200 100

Peerless-AV B.V.
Papendorpseweg 75
3528 BJ Utrecht
The Netherlands

+31 (0) 70 770 8037

Peerless-AV Latin America
Av. de las Industrias 413
Parque Industrial Escobedo
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+52 (81) 8384-8300

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