

mila-wall[®] Series 160



mila-wall[®], Series 160:

Construction = Groove / Groove, Visible Aluminum Edge, 2mm (3/32").
60mm (2.36") thick, milament[®] base covering, fire retardant.

mila-wall[®] Operating Instructions

mila-wall[®], Series 160

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mila-wall® Operating Instructions

mila-wall®, Series 160

Manufacturer:

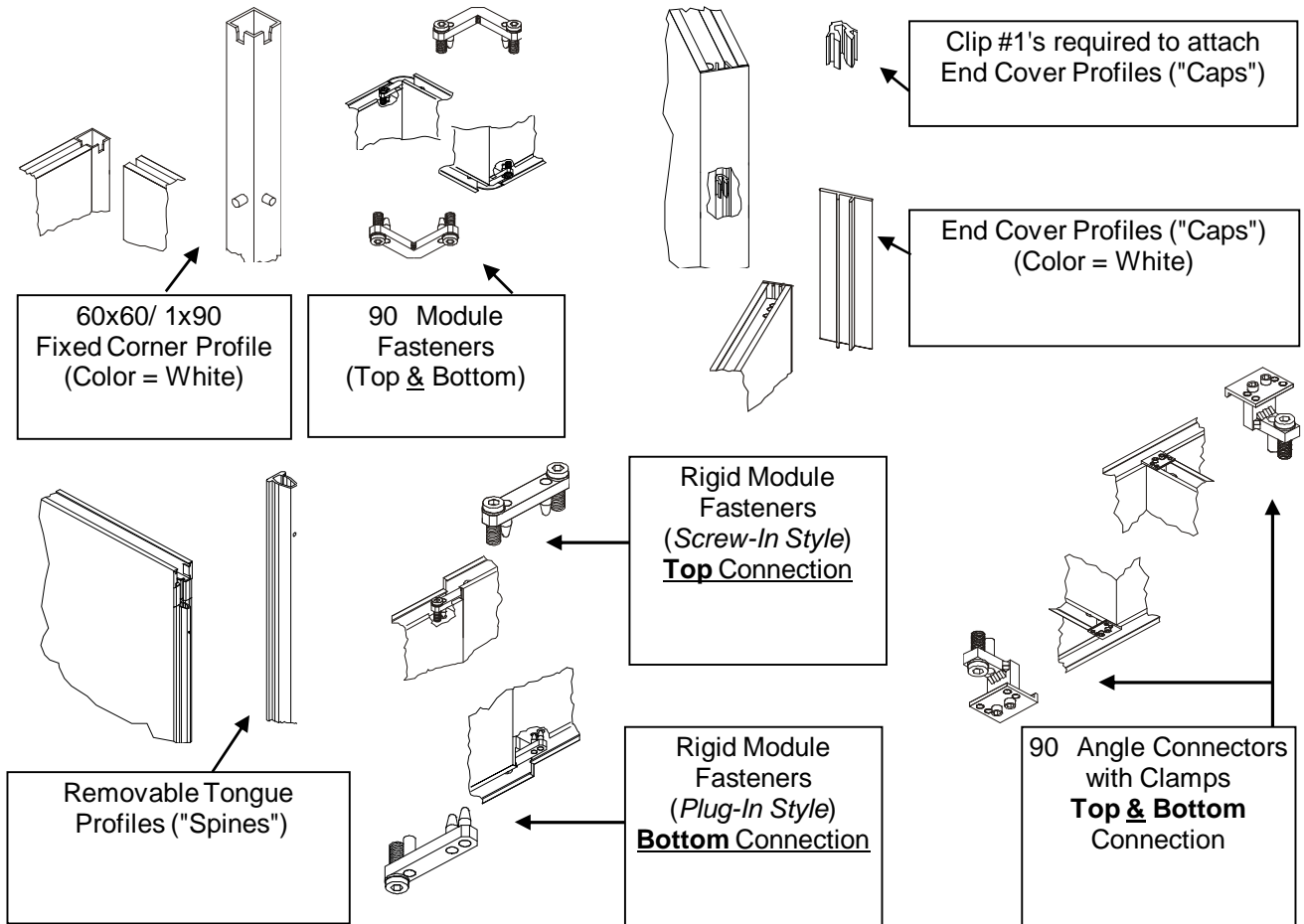


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Nailable Wall Modules: mila-wall® (Series 160)

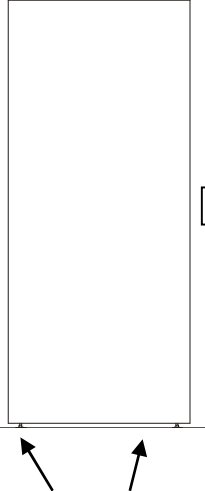
Interchangeable Connection Hardware / Corner Profiles / End Cover Profile / Module Fasteners:



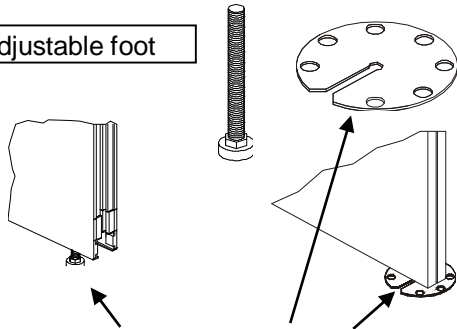
mila-wall® (160 Series) Operating Instructions



Step #1: Before setting up walls, lower adjustable leveling feet on each panel approximately 1". This will allow access to the threaded nut required to level the adjustable feet. To level, use the leveling disc OR the open-ended wrench).



Adjustable Leveling Feet



Adjustable foot

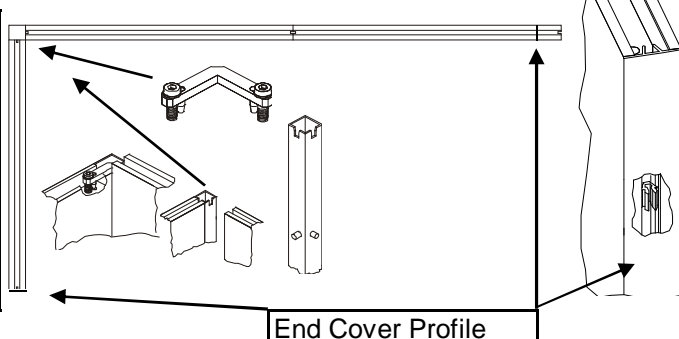
Leveling Disc

Using the Leveling Disc:
Once walls erected, slide disc over threaded portion of foot, lower onto nut and spin. Adjust feet until walls are level and secure.


Before Installation - REMEMBER:
Always think one panel ahead. Install the proper hardware on each panel to expedite the setup. All connection hardware is interchangeable.

Step #2: Begin by erecting a self-supporting corner wall section using a corner profile.

Using a Corner Profile:
Attach Rigid module fastener for corner profile 1x90° on the Bottom of the first wall module. Then put the corner profile on it. Install the second wall module (line up, lift and lower) and then install the Rigid module fastener at the Top.



End Cover Profile

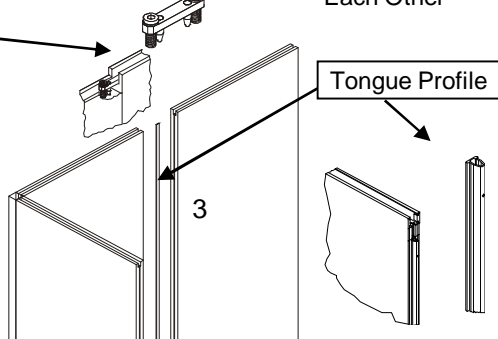


Clip #1
snap into channel to secure End Cover Profiles. (1 Clip #1 Spaced Every 20" Apart from Each Other)

Step #3: Instruction for panel to panel connection (when not using a corner profile)

- * Install a Rigid Module Fastener (plug-in style) on the Bottom of the mila-wall® module that is first erected.
- * Install a Rigid Module Fastener (screw-in style) on the Top of the mila-wall® module and install in removable tongue profile in the wall module to be installed.

LINE UP WALL MODULE #3, LIFT AND LOWER.
Wall modules will interlock, install bolt in top panel fastener. Adjust leveling feet until panels are level & secure.



Tongue Profile

3

Rigid Module Fastener "Plug-in style" (Bottom)

IMPORTANT INSTALLATION TIPS:

Before installing, follow a diagram and start wall installation at a "self-supporting" starting point (90° Corner or 90° Angle).

REMEMBER: Always plan one panel ahead so the proper connection hardware is installed on the wall module that is erected (tongue & groove connection technique).

IMPORTANT Note for Dismantling:

Disassemble the wall structure in the **reverse order** it was installed.

A minimum number of laborers for handling mila-wall® = 2

Be sure structure is level and secure before installing the next wall module.

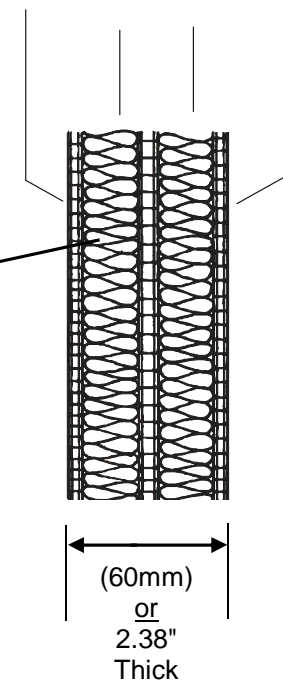
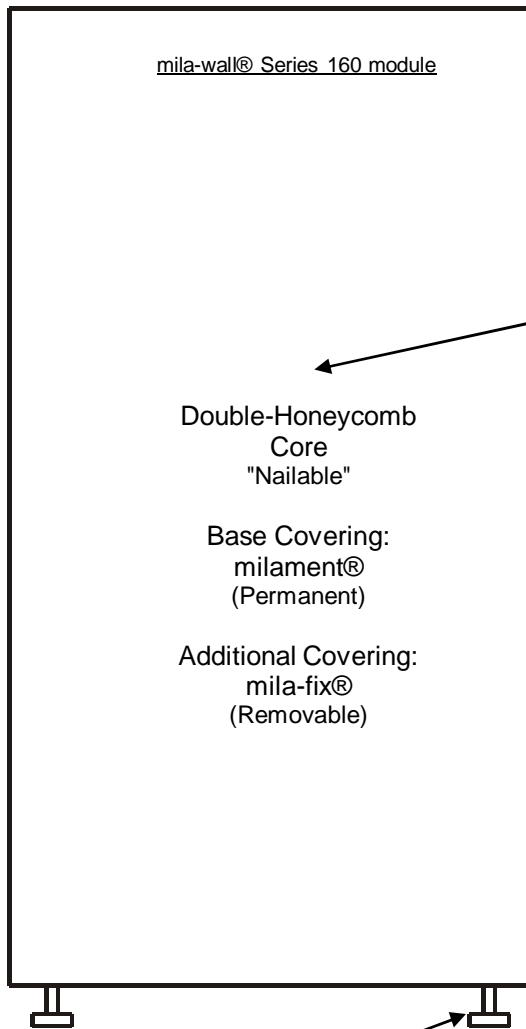
For more detailed mila-wall® information, refer to the MBA TUV Operation Manual.

mila-wall[®] Modules

"Description" of the Typical panel

mila-wall[®] Series 160 wall module
 Module Construction = **Groove / Groove**
 Visible aluminum edge, 3/32" around module edge.
 Double-Honeycomb (Nailable) Interior.
 Hanging capacity per nail: 128 lbs.
 milament[®] base covering, fire retardant.
 "All Connection Hardware is Removable"

milament
 High Density Chipboard
 Honeycomb
 High Density Chipboard
 Honeycomb
 High Density Chipboard
 milament



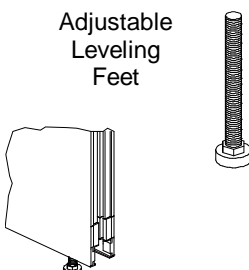
"Nailable" Interiors
 (shown above)
 will support 128 lbs.
 Per Nail or Screw.

IMPORTANT:
 Nail or Screw must
 penetrate 5mm thick
 Center Core in order to
 support weight of
 objects.

Panel Finishes:
 Additional application of
 MBA Covering is applied
 to each panel face,
 (mila-fix[®] / mila-decor[®])
 are
 Paintable
 &
 Removable.

Each panel includes
 two (2) threaded,
 adjustable leveling feet.

To Adjust:
 Use MBA Leveling Disc
 or 19mm Open-End
 Wrench
 on nut to raise & lower.

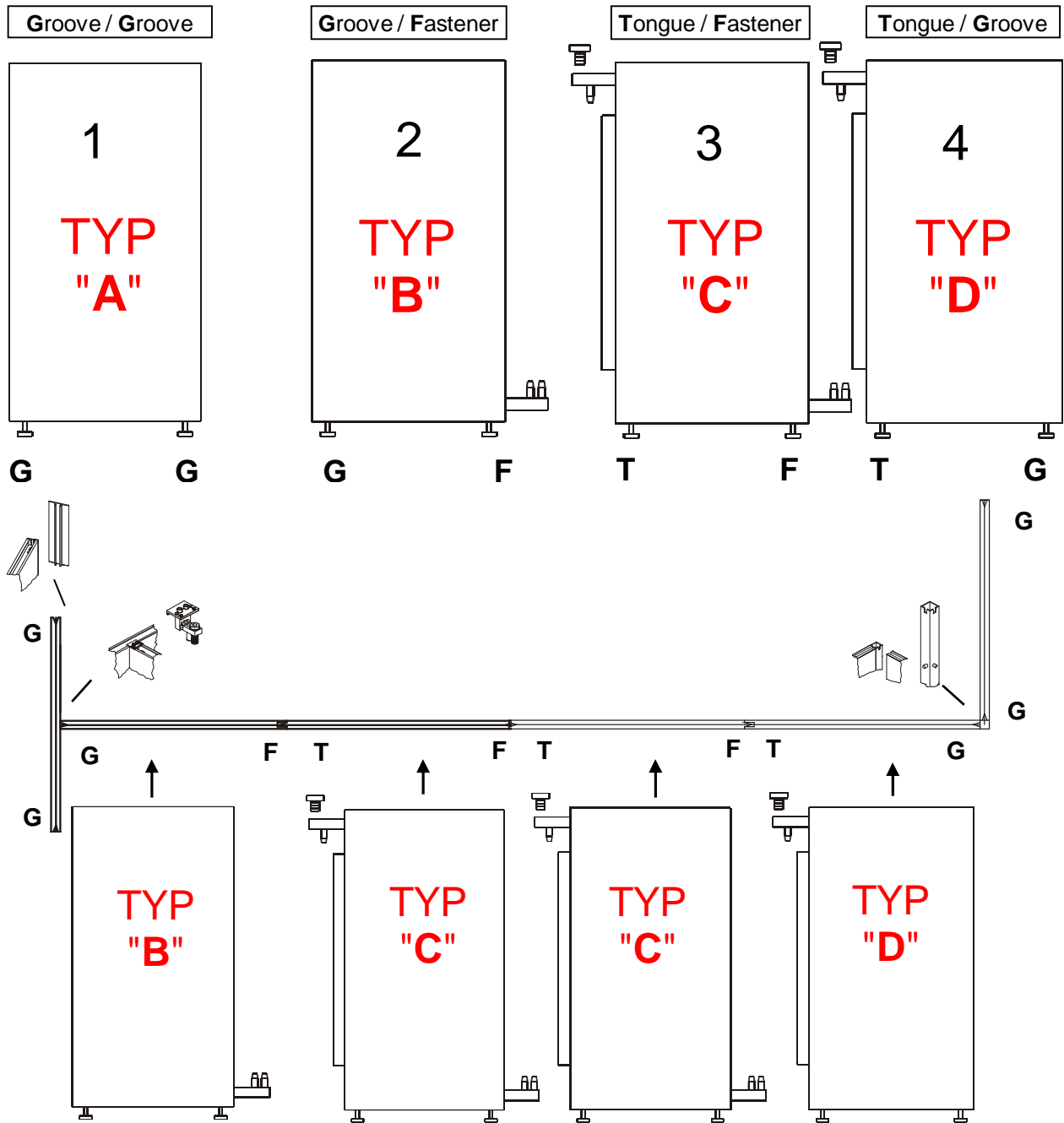


"Typical" mila-wall[®] Module (Series 160)
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mila-wall® Modules

Four Typical "Hardware" Configurations (Not To Scale).



IMPORTANT (Fundamental Rule):

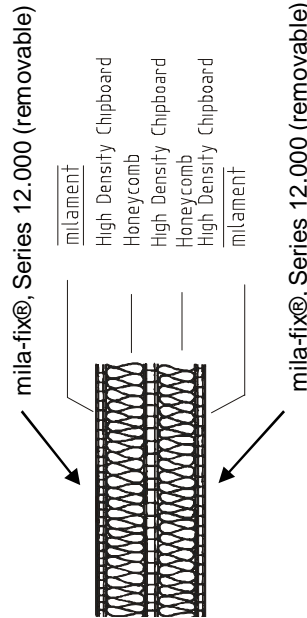
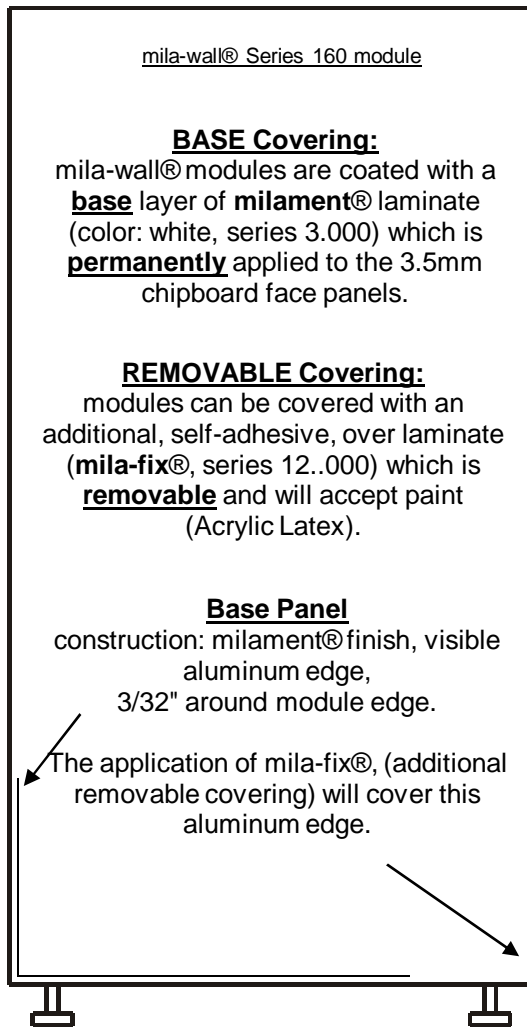
mila-wall® modules must be built up with a static corner or side supports. Depending on the wall position and height, wall reinforcement in "T" or "L" position is required after 4 to 6 meters of wall length to prevent accidents.

"Typical" Hardware Configurations
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mila-wall®

"Cleaning / New Covering / Storage"



Cleaning / Wall Prep.:

Do not clean panels with cleaners containing solvents (e.g. Nitro thinners). Solvent residue attacks removable adhesives.

Note:

Adhesives are influenced by the treatment temperature. When cold, removable adhesives have reduced initial adhesion; this increases as the temperature rises.

Cleaning Recommendation:

Clean surfaces with denatured alcohol (non-solvent based cleaners).

Recommended Minimum

Temperature: 18 -21 C (65-70 F) for panel & surface covering.

For best results, panels and surface coverings need to acclimate to each other (65-70) for 24 hours before starting the lamination process.

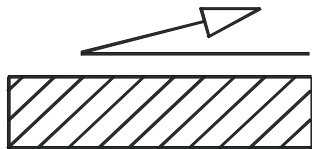
Storage:

Climate controlled storage is recommended (particularly against humidity).

Modules must be protected against wetness & moisture.

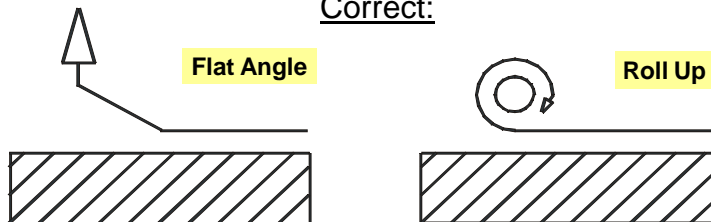
Techniques to Remove Panel Coverings (mila-fix® or mila-decor®)

Wrong:



Do not remove vinyl covering at a sharp angle. There is a risk of the adhesive layer tearing on the breaking edge and remaining stuck on the wall module.

Correct:



Cleaning / Covering Replacement / Storage

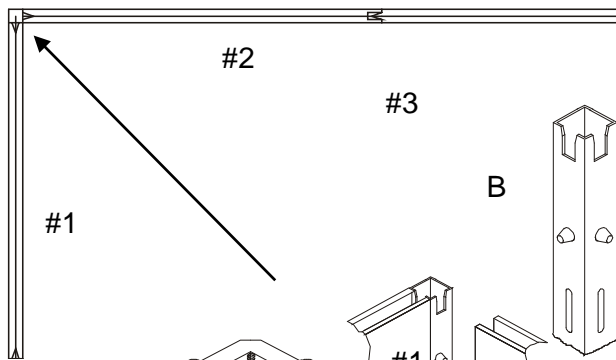
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60x60/1x90 Corner Profile (Post):

Corner Profile ("posts") used to form a fixed, 1x90 corner.

Step #1:

Install 90 Rigid Module Fastener (A) to bottom of Wall #1, erect wall.

Step #2:

Position 90 Corner Profile (B) on Wall #1 once erected.

Step #3:

Align wall #2 at 90 , lift & lower onto Wall #1.

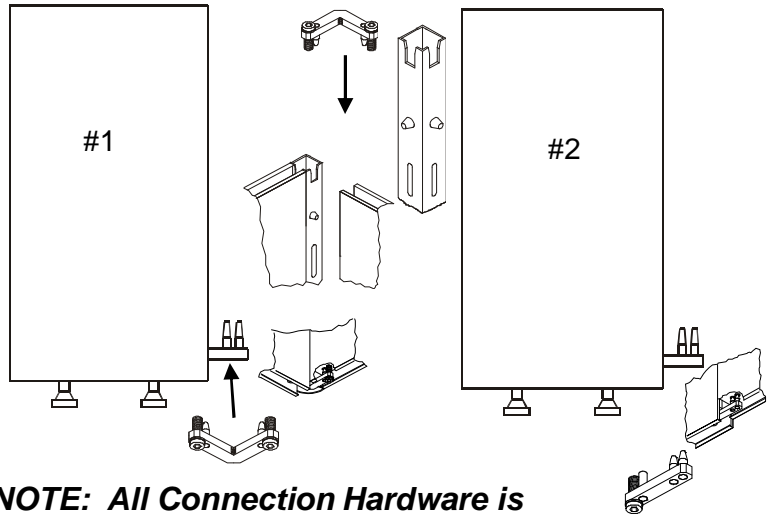
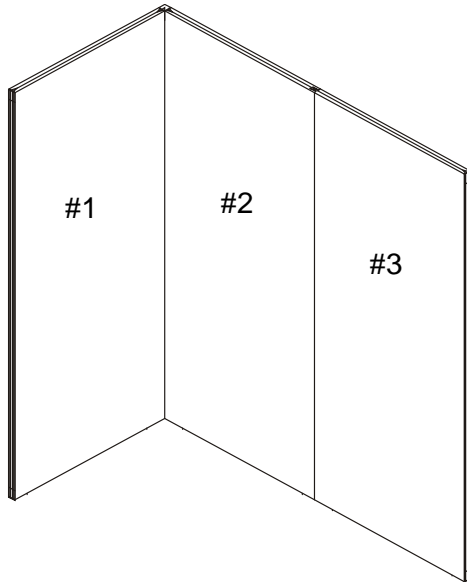
Step #4:

Install 90 Rigid Module Fastener (A) to top of Walls #1 & #2. Secure TOP 90 Fastener with **2 Black Bolts**

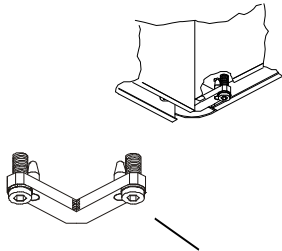
NOTE: Only Black Bolts are Removed when dismantling wall structures.

90 Rigid Module Fastener (A)

NOTE: Once panels are in position, secure top fastener with 2 Black Bolts.



NOTE: All Connection Hardware is Interchangeable!



90 Rigid Module Fastener (A)

NOTE: Fastening Screw only in one side (bottom).

90 Fixed Corner Profile Connection

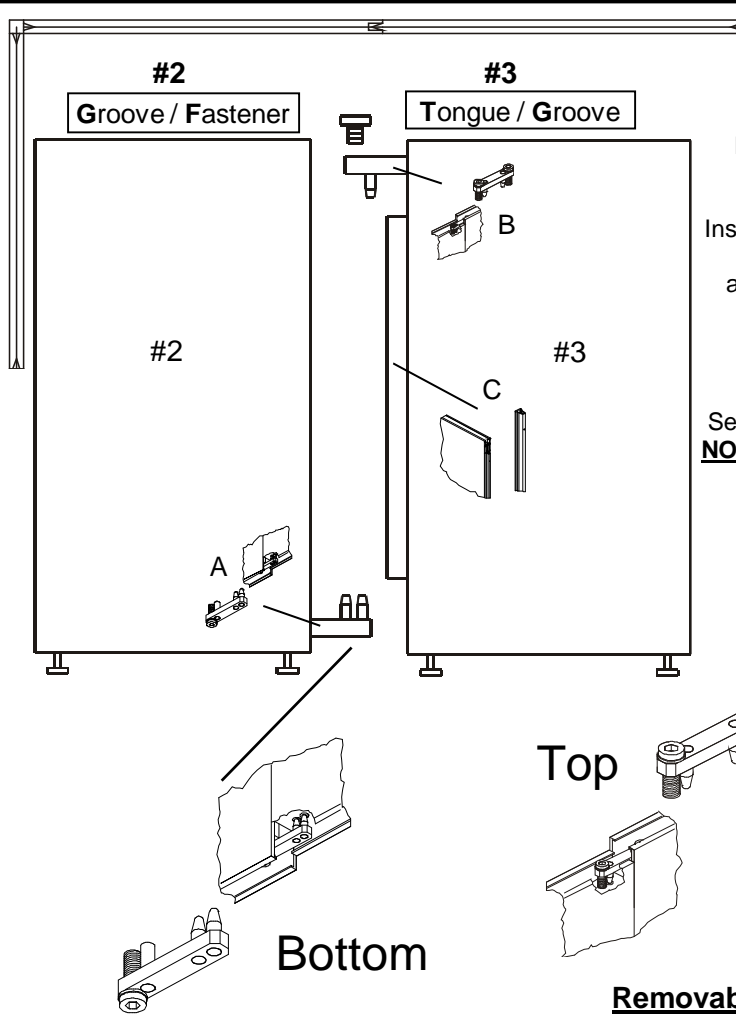
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Rigid Panel Fasteners / Tongue Profile:
180 "Straight" run, Panel to Panel Connection.

- Step #1:**
Install Rigid Module Fastener (A) "Plug-In Style" to bottom of Wall #2.
 - Step #2:**
Install Rigid Module Fastener (B) "Screw-In Style" to top of Wall #3 and install Removable Tongue Profile (C) in edge of Wall #3.
 - Step #3:**
Line Up Wall #3 at 90°, lift & lower onto Wall #2.
 - Step #4:**
Secure TOP Ridge Module Fastener with 1 Black Bolt.
- NOTE:** Only Black Bolts are Removed when dismantling wall structures.

Rigid Panel Fastener (B):
"Screw-In Style" for Top.
(Part No. 6.100.020)

Bolt Screw-In panel fastener into the top corner (threaded insert) in mila-wall® module #3. Once installed, add the second bolt (black) to make wall modules flush at the top and for added stability and security.

Removable Tongue Profile (C):

Secure Tongue Profile into the groove side of the mila-wall module #3 using the set-screws located in the top and bottom of the tongue profile (3mm).
To Remove: loosen 3mm set-screws and slide out profile from the Groove.

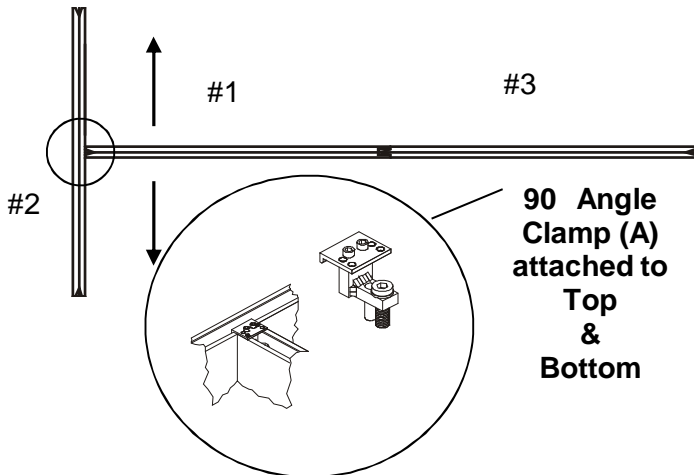
Rigid Panel Fastener (A):
"Plug-In Style" for Bottom.
(Part No. 6.100.010)

Bolt Plug-In panel fastener into the bottom corner (threaded insert) in mila-wall® module #2. Groove of module to remain to accept Tongue profile & Screw-in panel fastener attached to Wall #3.

NOTE: All Connection Hardware is Interchangeable!

180 Panel to Panel Connection
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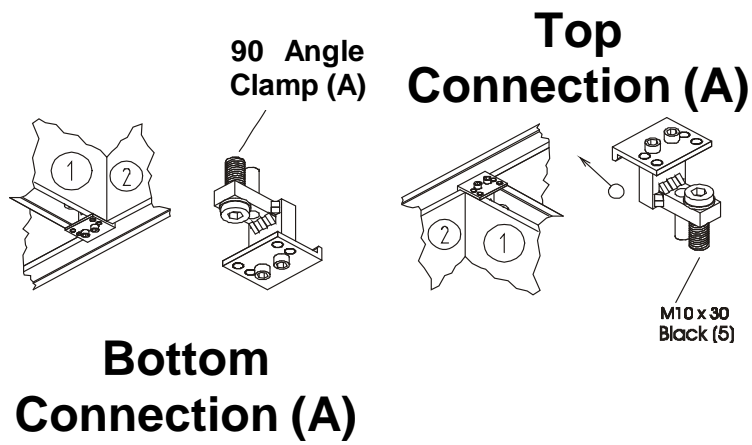
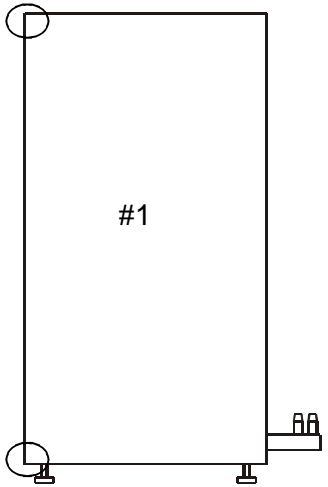
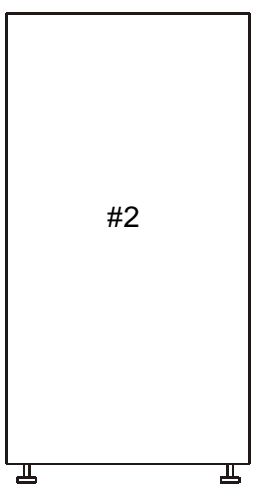
90 Angle Clamp Connections (Clamps):
Angle Clamps (top & bottom) used to form a fixed, 1x90 connection.

Step #1:
 Install 90 Angle Clamp (A) to bottom of Wall #1, erect wall.

Step #2:
 Position Wall #1 on Wall #2 (at 90 angle), attach 90 Angle Clamp (A) to top of Wall #1, secure using M10x30 Black Bolts (5).

Step #3:
 Adjust leveling feet so walls are level & stable. Secure TOP 90 Angle Clamp with **1 Black Bolt**

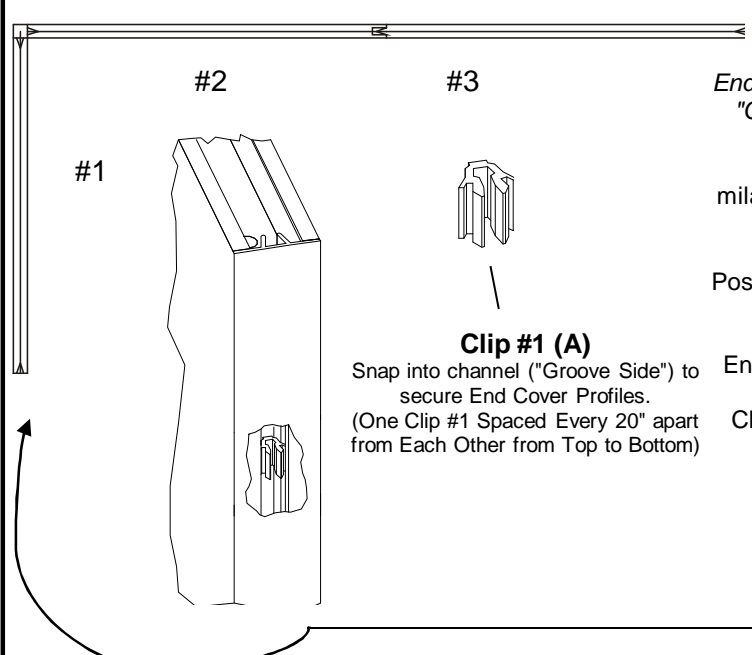
NOTE: Only Black Bolts are Removed when dismantling wall structures.



NOTE: All Connection Hardware is Interchangeable!

90 Angle "Clamp" Connection
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End Cover Profile (Cap):

End Cover Profiles ("Caps") used to finish wall edges.
 "Cover the Aluminum panel edges (Groove Side)"

Step #1:

Install Clip #1's (A) into Groove Side (C) of the mila-wall® modules #1 & #3 every 20" from each other.

Step #2:

Position End Cover Profile (B) on Walls #1 & #2, push until secured.

To Remove:

End Cover Profile = Carefully lift off from bottom (do not bend).

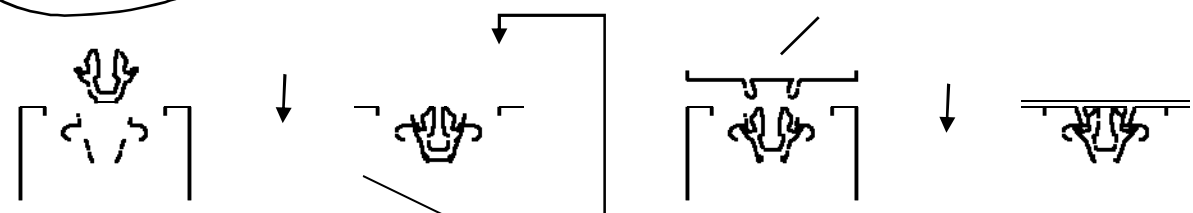
Clip #1's = slide out clips from groove (either up or down).

Clip #1 (A)

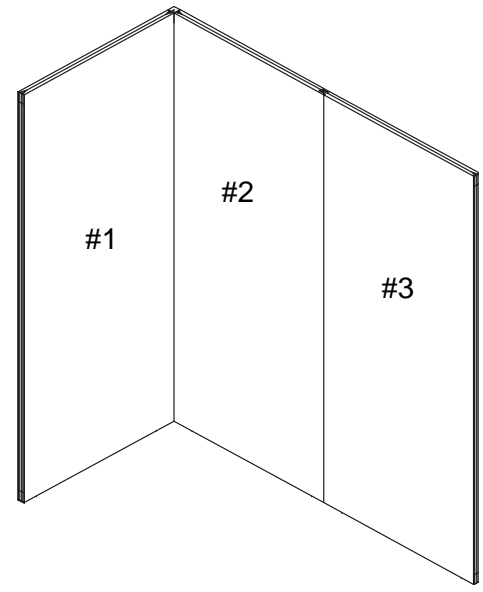
Snap into channel ("Groove Side") to secure End Cover Profiles.
 (One Clip #1 Spaced Every 20" apart from Each Other from Top to Bottom)

End Cover Profile (B)

NOTE: These are Aluminum extrusions



mila-wall® module, "Groove Side" (C)



End Cover Profile (B)

NOTE: All Connection Hardware is Interchangeable!

End Cover ("Cap") Connection
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