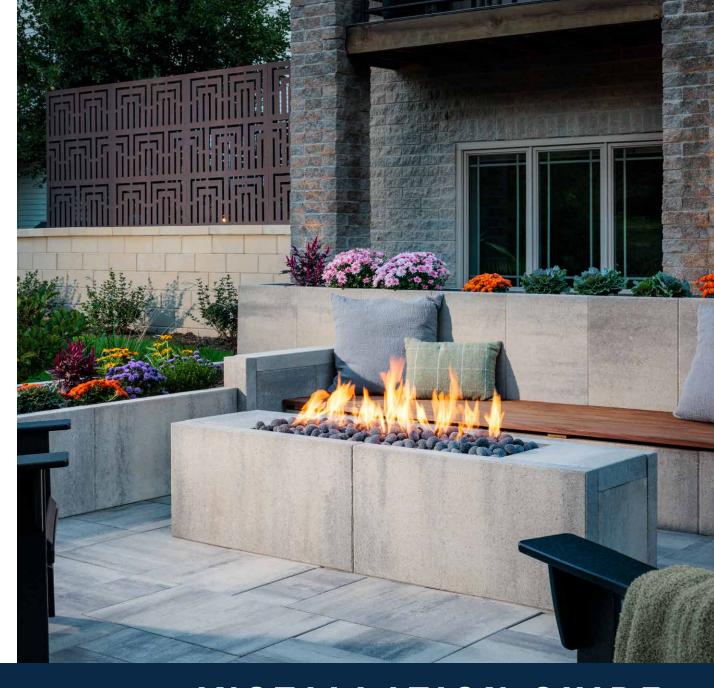


ARTFORMS MODULAR PANEL SYSTEM









INSTALLATION GUIDE

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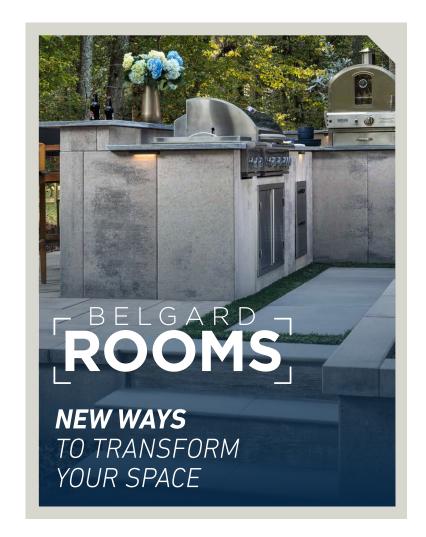


SYSTEM OVERVIEW

- 03 PARTS LIST
- 05 TOOLS & SAFETY EQUIPMENT
- 06 APPLICATIONS
- 07 MODULARITY THE SYSTEM & REFERENCES
- 09 PANEL CONFIGURATIONS

INSTALLATION

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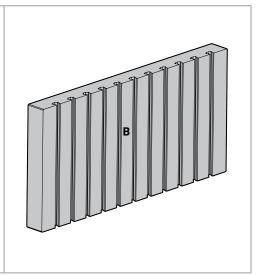
SCAN HERE TO SEE SOME ARTFORMS™ BUILDS IN BELGARD ROOMS

PARTS LIST - CONCRETE PANELS



18 x 36 x 3 (150 lb) 457 x 914 x 76 mm (67 kg)

18 x 36 x 3 (148 lb) 457 x 914 x 76 mm (66 kg)



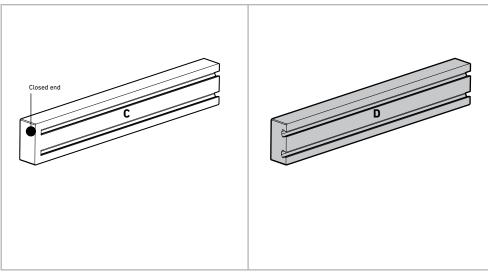
*40 x 48 Pallet (18 units/pallet)

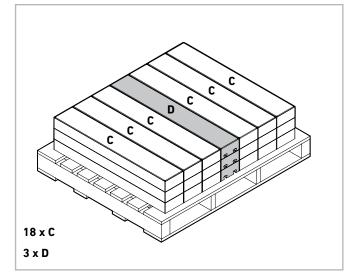
6 x 36 x 3 (49 lb) 152 x 914 x 76 mm (22 kg)

6 x 36 x 3 (49 lb) 152 x 914 x 76 mm (22 kg)

*40 x 48 Pallet (21 units/pallet)

9 x A 9 x B



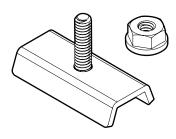


*IMPORTANT: 18 x 36 panels are sold in pair/layer or in full pallet only. 6 x 36 panels are sold per unit or in layer or in full pallet.

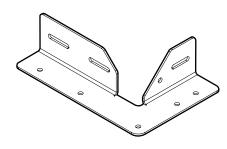
PARTS LIST - HARDWARE (STAINLESS STEEL)



Anchor Slide $- \frac{1}{4} \times 20$ stud & nut $2 \times 1\frac{1}{4} \times 1$ (51 x 33 x 25 mm) 50 units/box

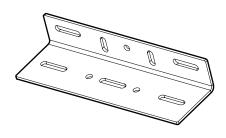


*Inner Corner 9 x 6 x 2½ (232 x 155 x 63 mm) 10 units/box

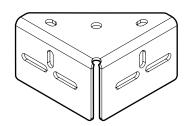


*Stretcher Bar 36% x 1% x 1 (933 x 33 x 25 mm) 10 units/box





*Outer Corner 4 x 4 x 2½ (101 x 101 x 63 mm) 10 units/box



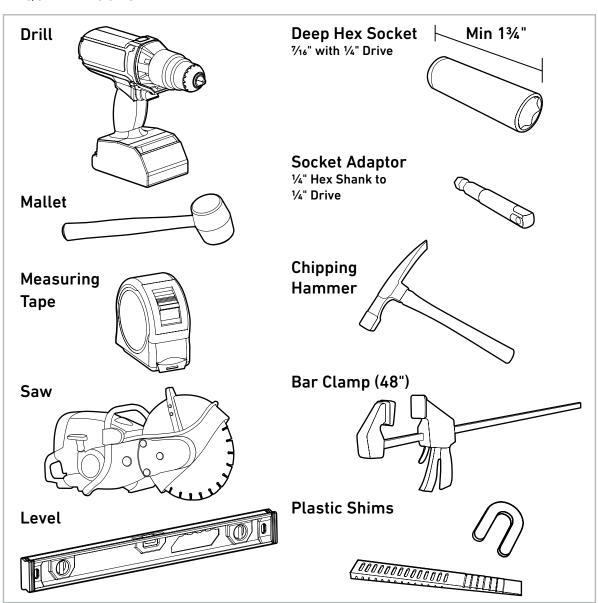


*NOTE: Can be sold separately.

TOOLS & SAFETY EQUIPMENT



REQUIRED TOOLS



SAFETY EQUIPMENT



APPLICATIONS



















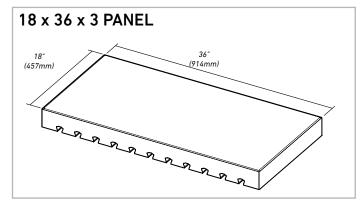


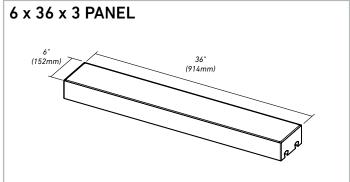
*IMPORTANT: For all complementary appliances/accessories to the Artforms panel system, follow manufacturer's instructions/guidelines. Consult qualified services person/ experts to validate installations, repairs, safety recommendations and any other related topics.

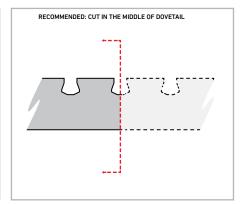
ARTFORMS™ PANEL SYSTEM

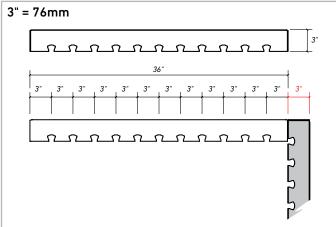
MODULARITY - THE SYSTEM

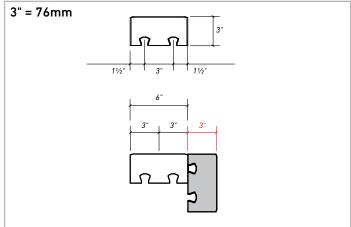


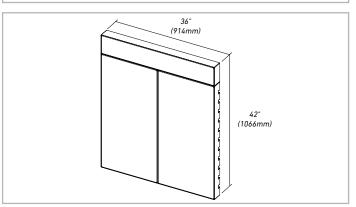


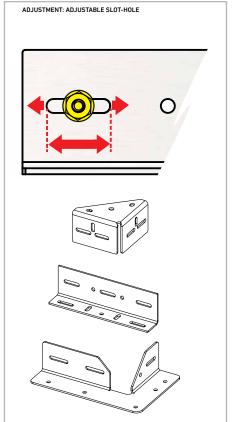


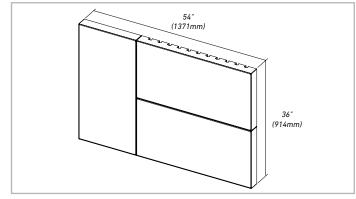












NOTE: It is recommended to design structures with overall dimensions using increments of 3" (76mm).

MODULARITY - REFERENCES



KITCHEN TABLE

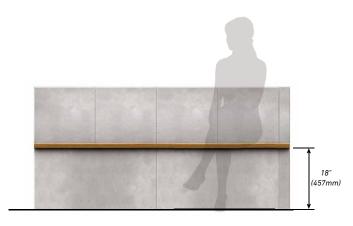


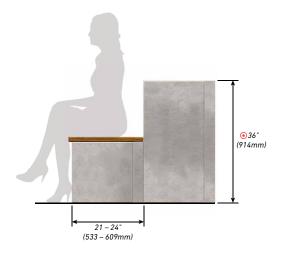
BAR TABLE



FRONT VIEW

SEATING



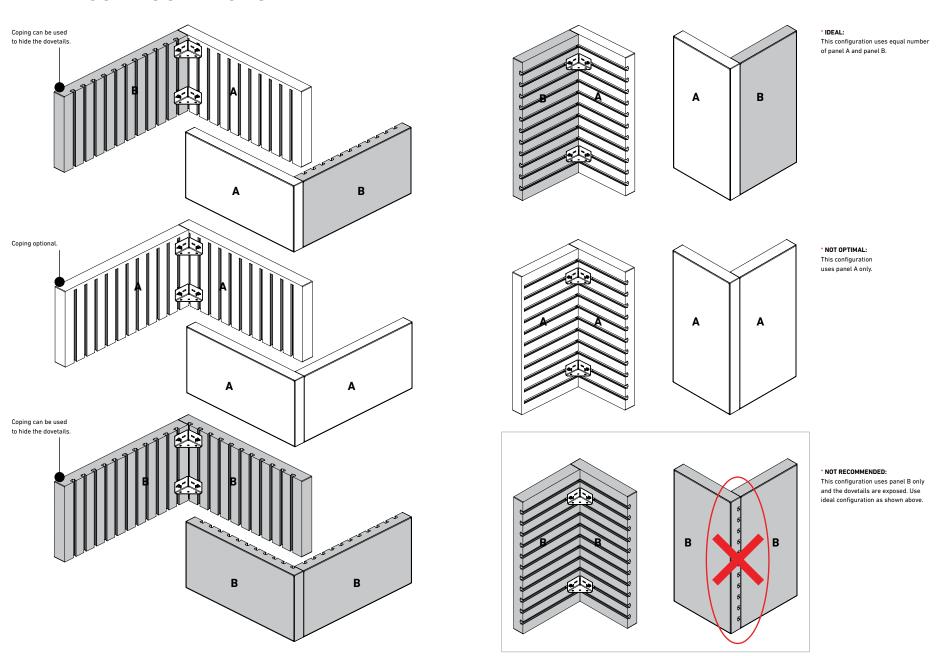


FRONT VIEW SIDE VIEW

• NOTE: Maximum height of 36" for planter box and 42" for outdoor living structure. Any higher structure must be designed by an engineer.

PANEL CONFIGURATIONS

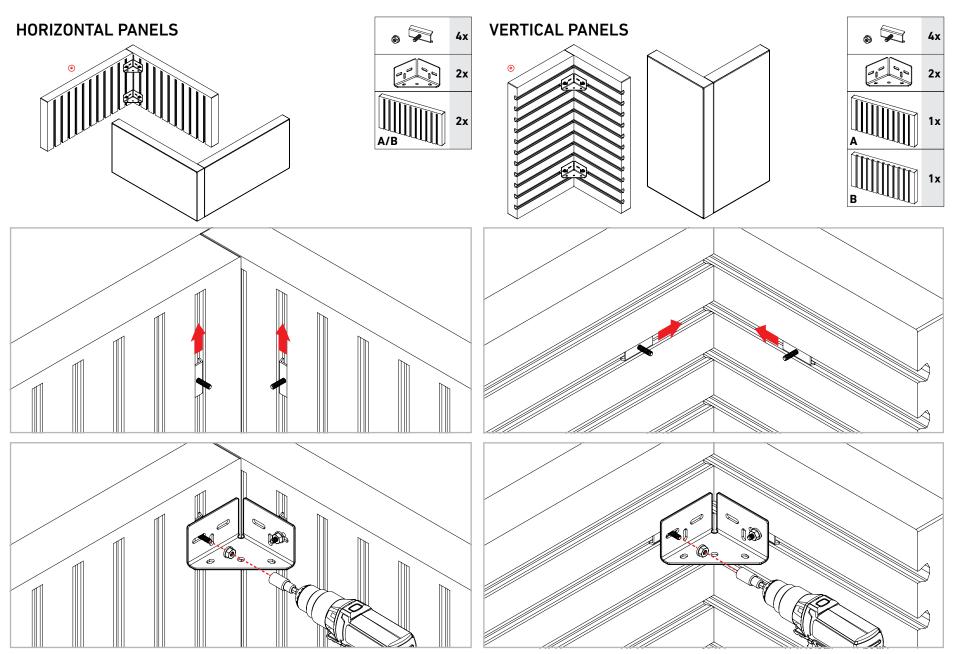




*IMPORTANT: When planning configurations, consider the amount of panel A and panel B on a pallet. 18 x 36 panels are sold in pair/layer or in full pallet only. 6 x 36 panels are sold in layer or in full pallet only.

OUTER CORNER INSTALLATION



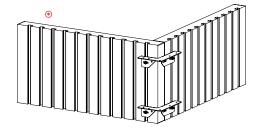


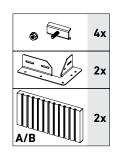
• IMPORTANT: Always use a minimum of 2 outer corner brackets per corner assembly. See Tips and Tricks from page 27 for more details.

INNER CORNER INSTALLATION

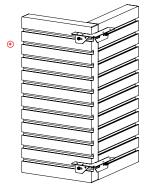


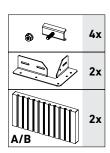
HORIZONTAL PANELS

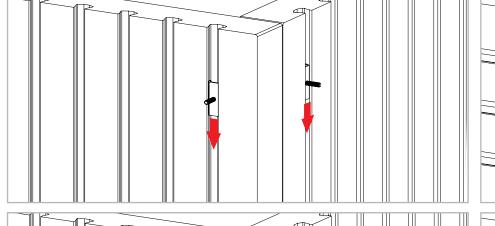


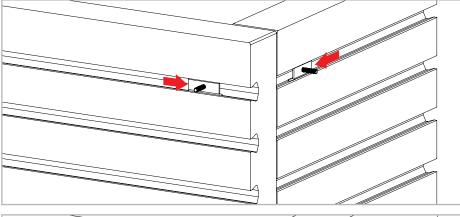


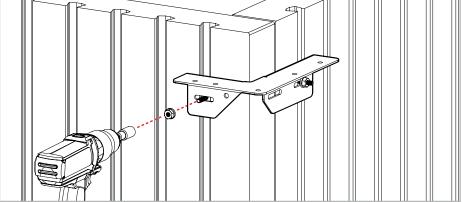
VERTICAL PANELS

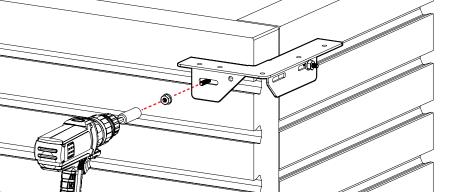








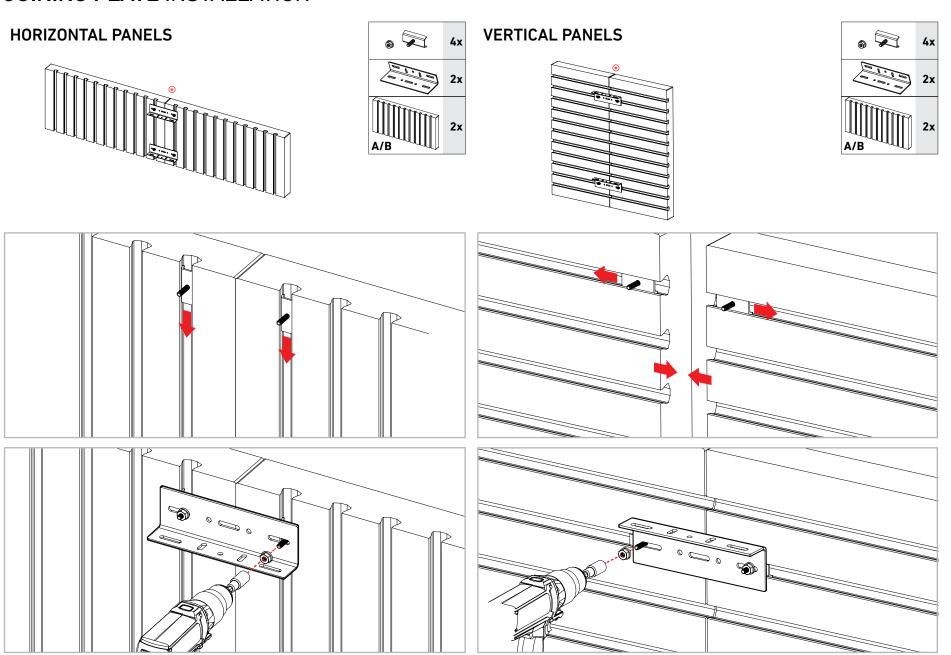




• IMPORTANT: Always use a minimum of 2 outer corner brackets per corner assembly. See Tips and Tricks from page 27 for more details.

JOINING PLATE INSTALLATION



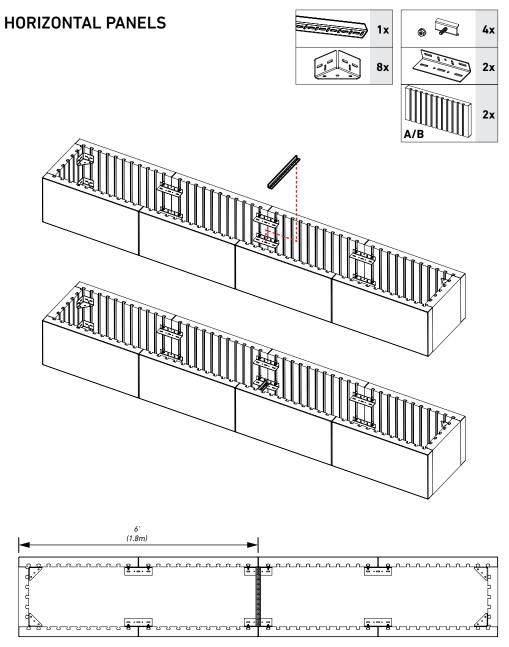


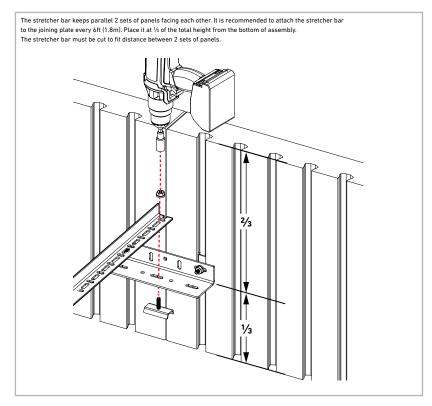
• IMPORTANT: Always use a minimum of 2 joining plates when joining two parallel panels. See Tips and Tricks from page 27 for more details.

STRETCHER BAR INSTALLATION

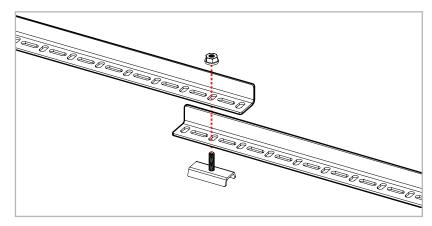


13





NOTE: The stretcher bar can be extended.

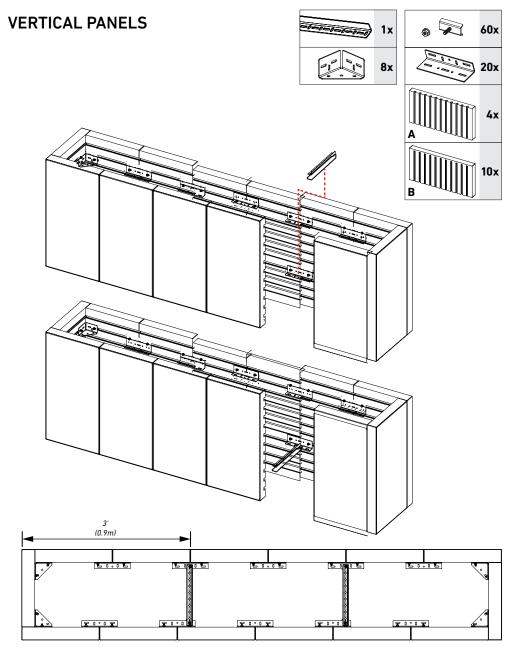


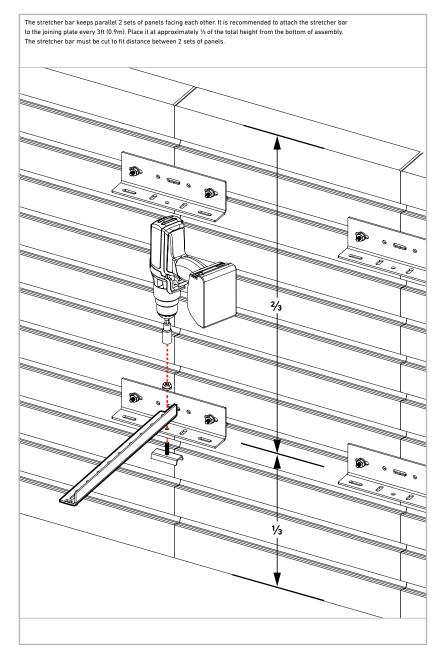
NOTE: See Tips and Tricks from page 27 for more details.

ARTFORMS™ PANEL SYSTEM

STRETCHER BAR INSTALLATION





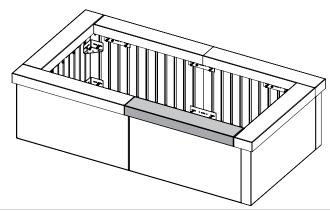


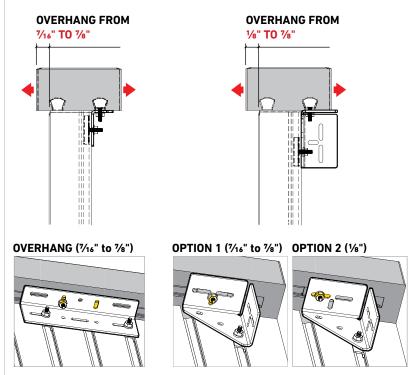
NOTE: See Tips and Tricks from page 27 for more details.

6 x 36 PANEL - COPING INSTALLATION (MECHANICALLY FIXED)

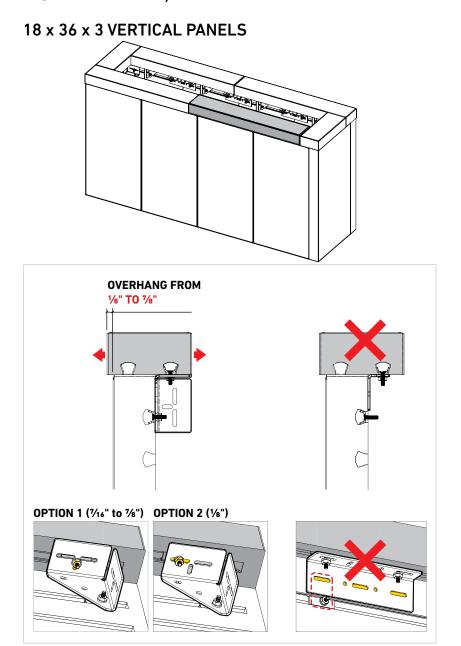


18 x 36 x 3 HORIZONTAL PANELS





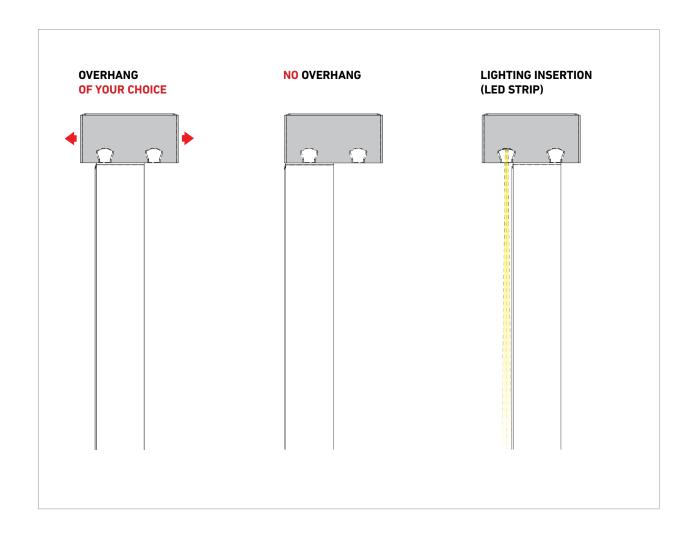
NOTE: See Tips and Tricks from page 27 for more details.

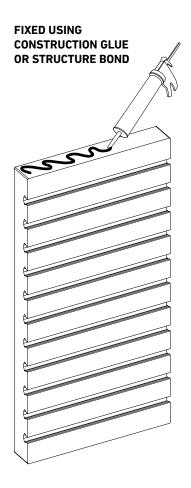


6 x 36 PANEL - COPING INSTALLATION (FIXED WITH ADHESIVE)



16

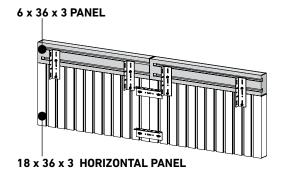


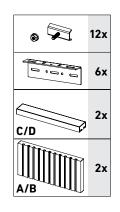


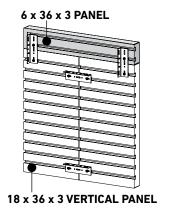
ARTFORMS™ PANEL SYSTEM

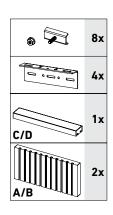
6 x 36 PANEL - ACCENT INSTALLATION

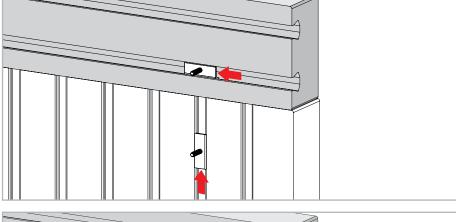


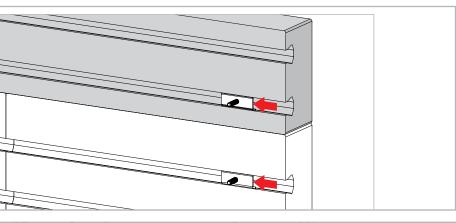


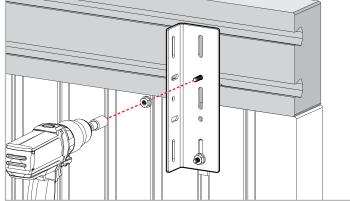


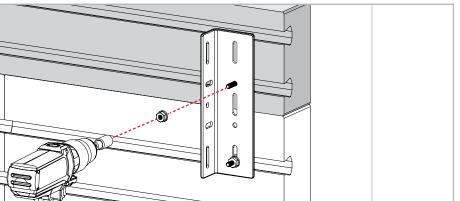










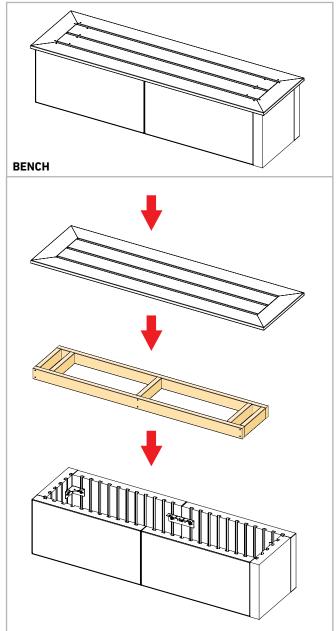


• IMPORTANT: Always use a minimum of 2 joining plates when joining 6 x 36 panel with 18 x 36 panel. See Tips and Tricks from page 27 for more details.

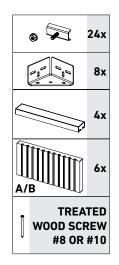
ARTFORMS™ PANEL SYSTEM

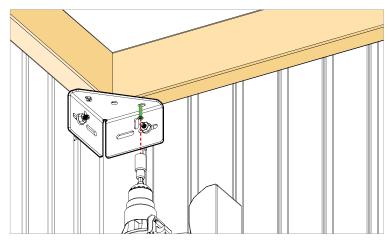
INTEGRATING WOOD

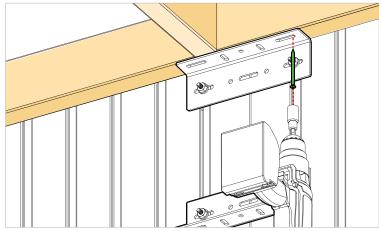


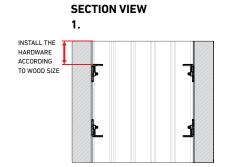


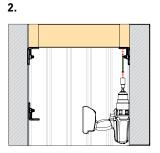
 $\ensuremath{\text{NOTE}}\xspace$ See Tips and Tricks from page 27 for more details.

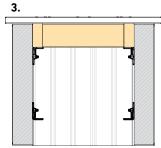






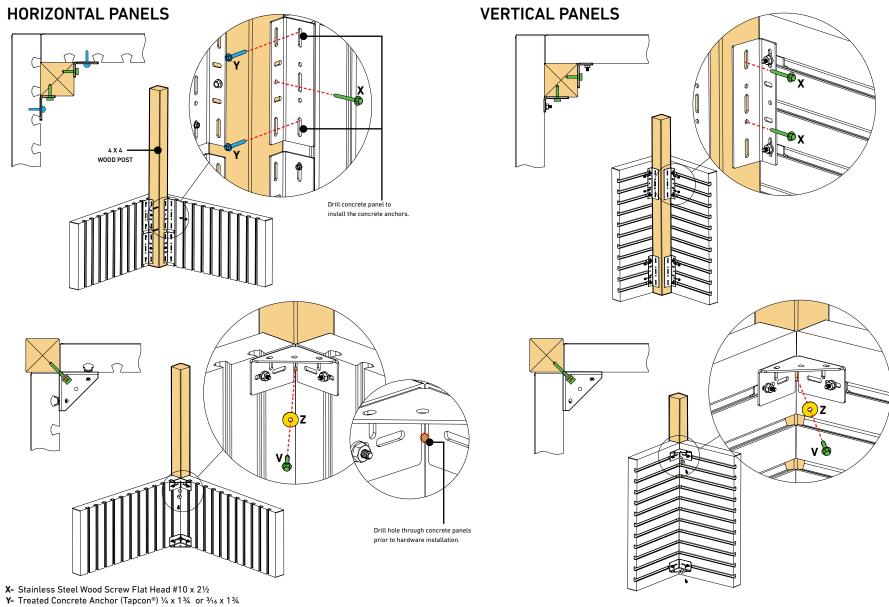






INTEGRATING 4 x 4 WOOD POSTS



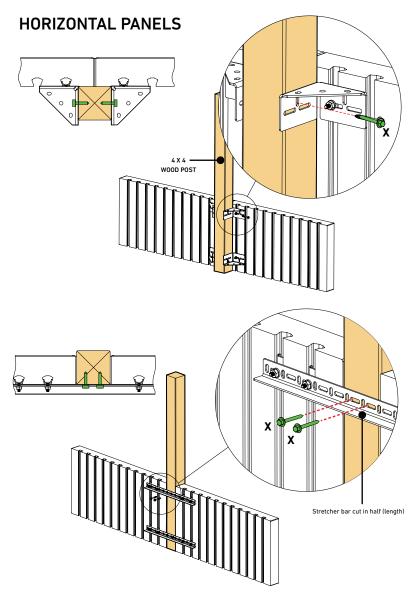


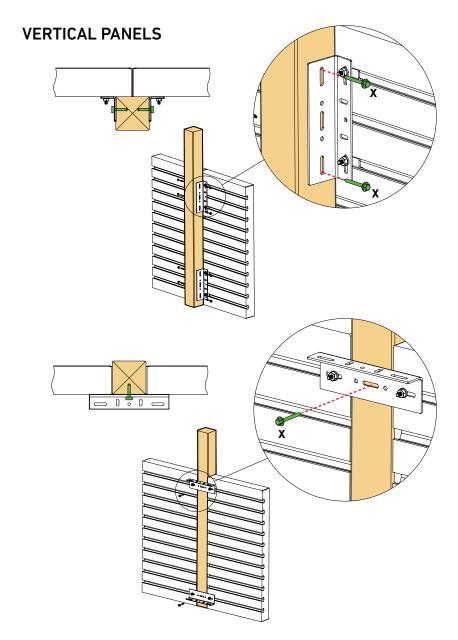
- V- Stainless Steel Lag screws 1/4 x 21/2 or 5/16 x 21/2
- Z- Stainless Steel Oversized Washer 5/16

IMPORTANT: Other types of hardware (not included) may be required to make these assemblies (wood screws, concrete anchors, etc.). BELGARD is not responsable for any issue regarding other materials, accessories, other types of hardware, etc. We recommend consulting an expert/engineer to determine the design limitations of the screen panels based on wind loads.

INTEGRATING 4 x 4 WOOD POSTS







- X- Stainless Steel Wood Screw Flat Head #10 x 21/2
- Y- Treated Concrete Anchor (Tapcon®) 1/4 x 13/4 or 3/16 x 13/4
- V- Stainless Steel Lag screws 1/4 x 21/2 or 5/16 x 21/2
- Z- Stainless Steel Oversized Washer 5/16

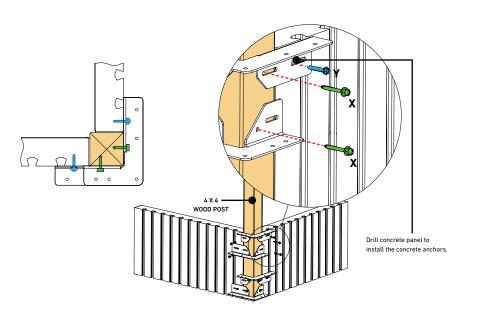
IMPORTANT: Other types of hardware (not included) may be required to make these assemblies (wood screws, concrete anchors, etc.). BELGARD is not responsable for any issue regarding other materials, accessories, other types of hardware, etc. We recommend consulting an expert/engineer to determine the design limitations of the screen panels based on wind loads.

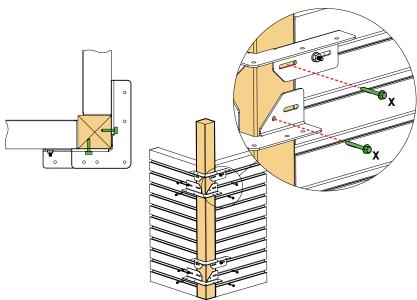
INTEGRATING 4 x 4 WOOD POSTS



HORIZONTAL PANELS

VERTICAL PANELS





IMPORTANT: Other types of hardware (not included) may be required to make these assemblies (wood screws, concrete anchors, etc.). BELGARD is not responsable for any issue regarding other materials, accessories, other types of hardware, etc. We recommend consulting an expert/engineer to determine the design limitations of the screen panels based on wind loads.

X- Stainless Steel Wood Screw Flat Head #10 x 21/2

Y- Treated Concrete Anchor (Tapcon®) 1/4 x 13/4 or 3/16 x 13/4

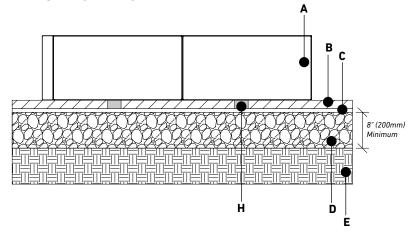
V- Stainless Steel Lag screws 1/4 x 21/2 or 5/16 x 21/2

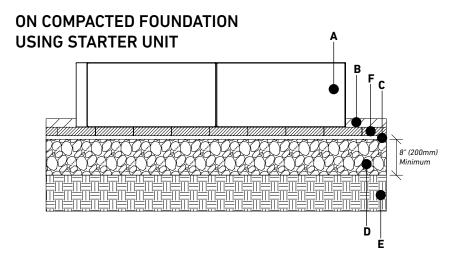
Z- Stainless Steel Oversized Washer 5/16

BASE PREPARATION

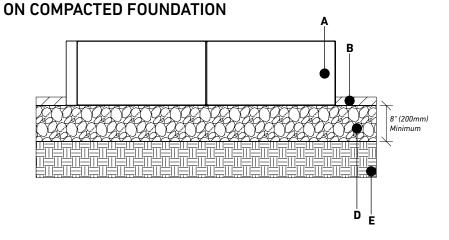


ON EXISTING PATIO





ON POURED CONCRETE FOUNDATION G 2" (50mm) 8" (200mm) Minimum



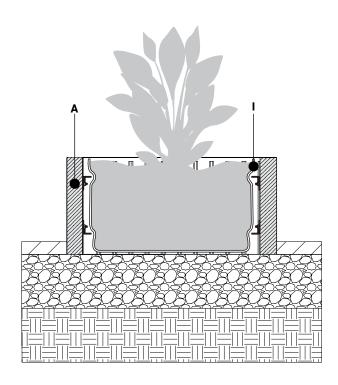
- A- ARTFORMS Panels
- B- Slab or Paver
- C- Bedding Sand 1" (25mm)
- D- Compacted Aggregates 8" (200mm) minimum
- E- Soil
- F- Starter Unit/ Slab or Paver
- G- Reinforced Poured Concrete Foundation 2" (50mm) minimum
- H- Opening for Drainage

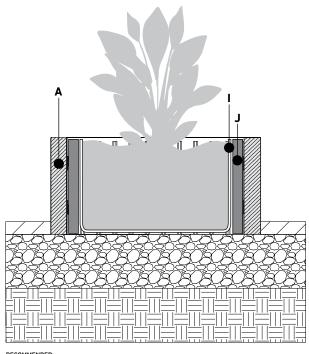
IMPORTANT: Provide adequate drainage and adjust according to soil type. Maximum height of 36" for planter box and 42" for outdoor living structure. Any higher structure must be designed by an engineer. Dimensions and information above are general recommendations only. Contact experts/engineers to validate the base preparation, the drainage, the plants & roots growth/management. The use of plastic shims can facilitate the installation of Artforms panels in order to adapt to the slope of the site.

PLANTER BOX DETAIL

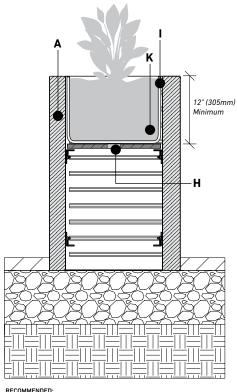
BELGARD® | PAVES THE WAY

ON COMPACTED FOUNDATION





Place insulated panels to protect plants from cold conditions.



Place a cement board on top of the Artforms hardware to reduce the amount of infill material.

A- ARTFORMS Panels

H- Opening for Drainage

I- Geotextile Membrane

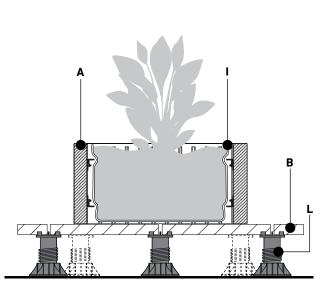
J- Insulated Panel

K- Structural Water Resistant Panel

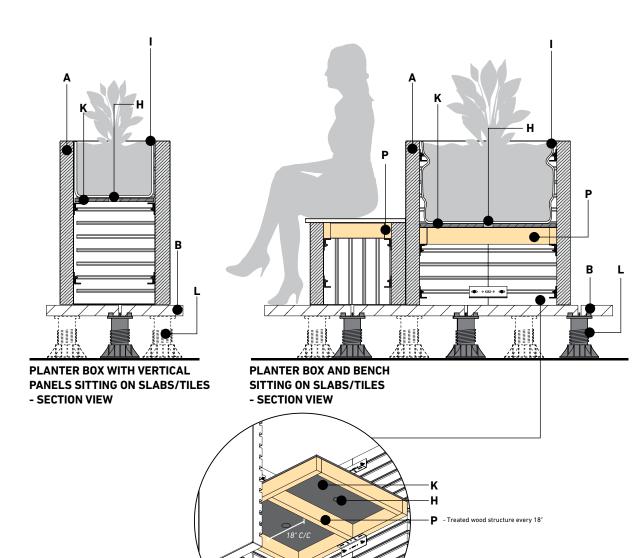
IMPORTANT: Provide adequate drainage and adjust according to soil type. Maximum height of 36" for planter box and 42" for outdoor living structure. Any higher structure must be designed by an engineer. Dimensions and information above are general recommendations only. Contact experts/engineers to validate the base preparation, the drainage, the plants & roots growth/management. The use of plastic shims can facilitate the installation of Artforms panels in order to adapt to the slope of the site.

ROOFTOP APPLICATIONS





PLANTER BOX WITH HORIZONTAL PANELS SITTING ON SLABS/TILES - SECTION VIEW

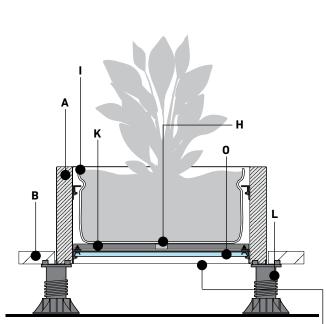


- $\textbf{A-ARTFORMS} \; \mathsf{Panels} \;$
- **B** Slab or Tile
- $\mbox{\bf H-}\,$ Opening for Drainage
- I Geotextile Membrane
- $\mbox{\bf K-}\,$ Structural Water Resistant Panel
- L- Pedestal
- P- Treated Wood Structure
- R- Opening for drainage

IMPORTANT: Contact experts/engineers for proper staging on existing rooftop surfaces.

ROOFTOP APPLICATIONS

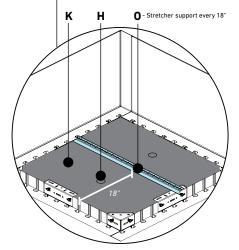


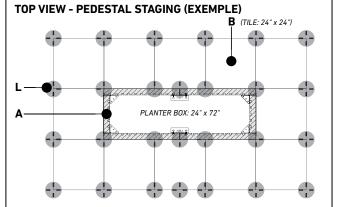


A K H H B B

BENCH AND PLANTER BOX SITTING ON PEDESTALS - SECTION VIEW

PLANTER BOX SITTING ON PEDESTALS - SECTION VIEW



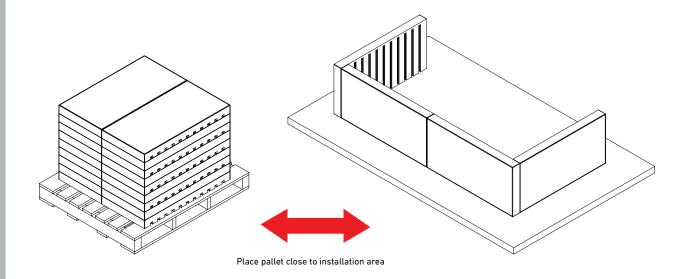


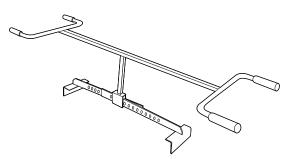
- A- ARTFORMS Panels
- **B** Slab or Tile
- **H** Opening for Drainage
- I- Geotextile Membrane
- K- Structural Water Resistant Panel
- L- Pedestal
- 0- Stretcher Bar
- P- Treated Wood Structure

 ${\color{red} \textbf{IMPORTANT:}}\ \textbf{Contact experts/engineers for proper staging on existing rooftop surfaces.}$

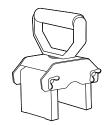
HANDLING



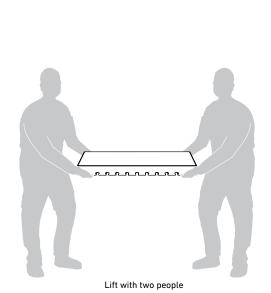


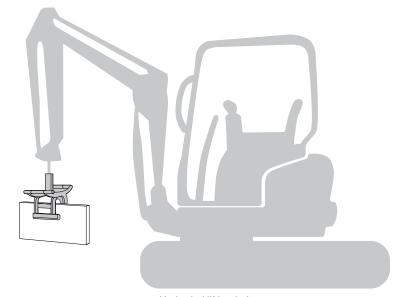


Recommended handling tool



Recommended handling tool





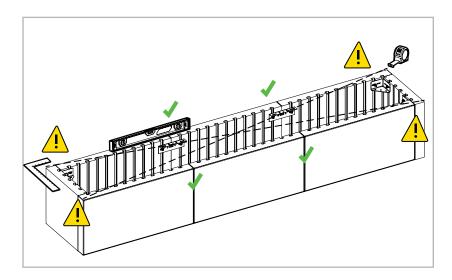
Mechanical lifting device

Use hand trolley if necessary

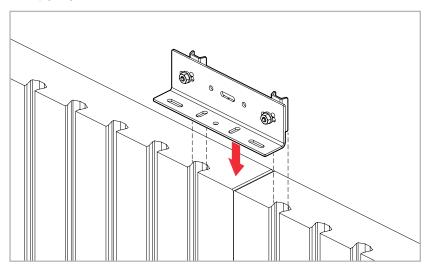
TIPS AND TRICKS



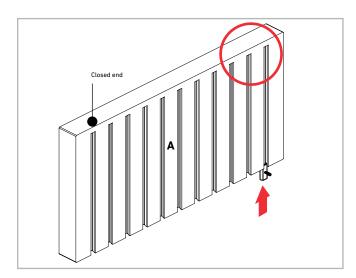
[General]: Ensure that all the panels are in place, levelled & aligned before fully tightening the hardware in the corners at the end of the installation.



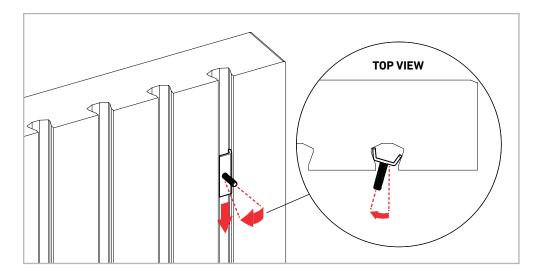
2. [General]: Pre-assemble hardware to facilitate its installation.
Ensure that all the panels are in place, levelled & aligned before fully tightening the hardware at the end of the installation.



3. [Anchor slide]: Insert anchor slides from the bottom of the closed end panel (panel A) prior to its assembly.

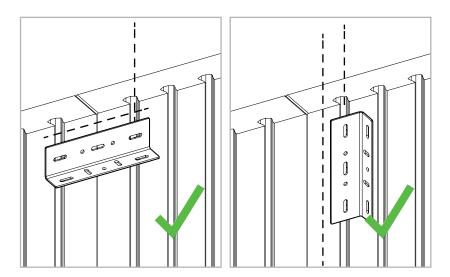


4. [Anchor slide]: Insert the anchor slide. Lock it into place to prevent it from sliding down and to facilitate assembly.

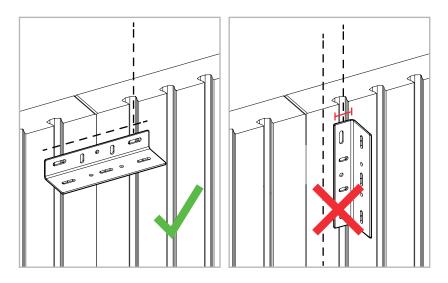


TIPS AND TRICKS

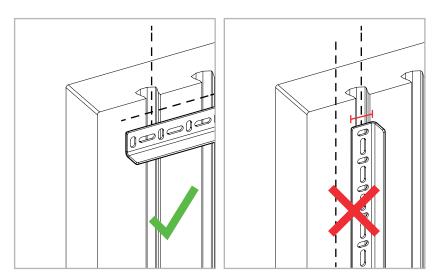
5. [Joining plate]: Use the larger tab of the joining plate when it is perpendicular or parallel to the dovetail slot.



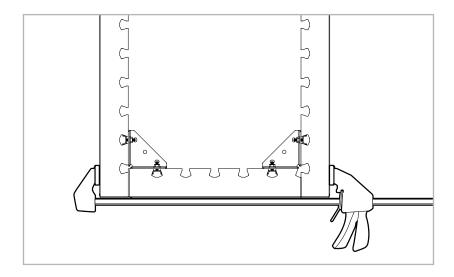
6. [Joining plate]: Only when the joining plate is perpendicular to the dovetail, the small tab can be used. Otherwise, the overlapping surface will be too narrow.



[Bar Clamp]: Use the bar clamp to keep the panels in place and to facilitate the hardware installation.



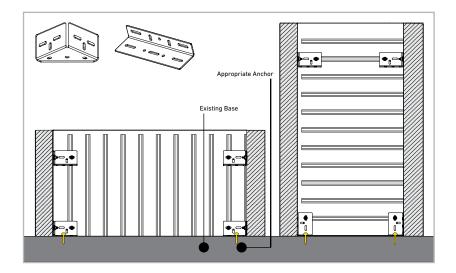
8. [Bar Clamp]: Use the bar clamp to keep the panels in place and to facilitate the hardware installation.



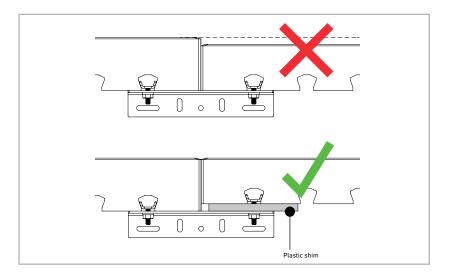
TIPS AND TRICKS



9. [Joining plate]: Use the larger tab of the joining plate when it is perpendicular or parallel to the dovetail slot.



[General]: If the side to side panels have a different thickness, use plastic shims to align the front face.



111. [General]: In the case you forgot to place the anchor slides when the closed end panels (panel A) have already been assembled, use a chipping hammer to break a small section of the dovetail slot to insert the anchor slide.

