

# DESIGNFORMS™

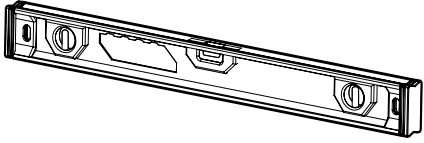
1.5 ft Square Planter - Concrete Top



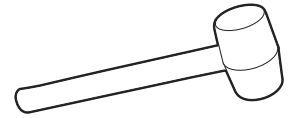
## REQUIRED TOOLS

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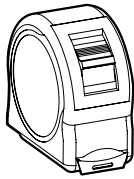
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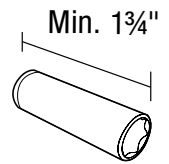
Rubber Mallet



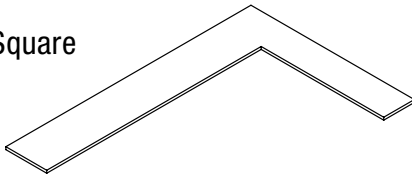
Measuring Tape



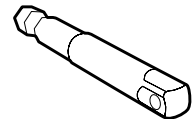
Deep Hex Socket  
7/16" with 1/4" Drive



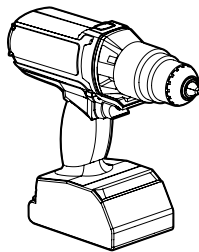
Carpenter Square



Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill



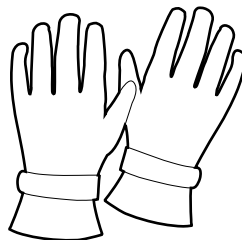
## SAFETY EQUIPMENT

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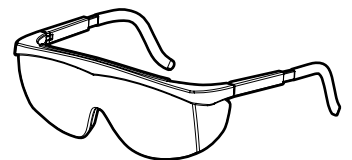
Safety Boots



Gloves



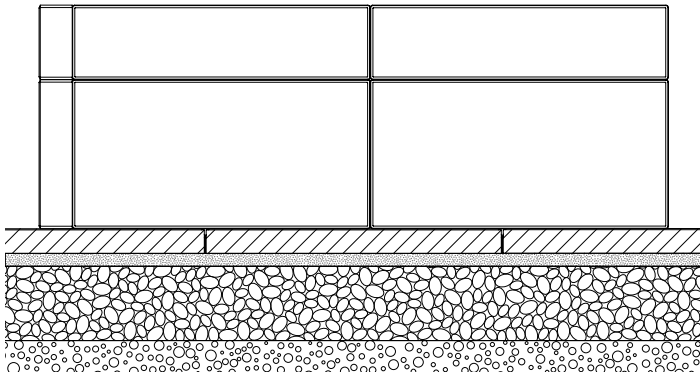
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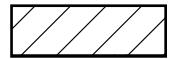
## BASE PREPARATION

*Always level ground before installation*

### On new or existing patio



Slab or Paver



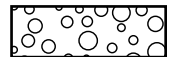
Bedding Sand 1"



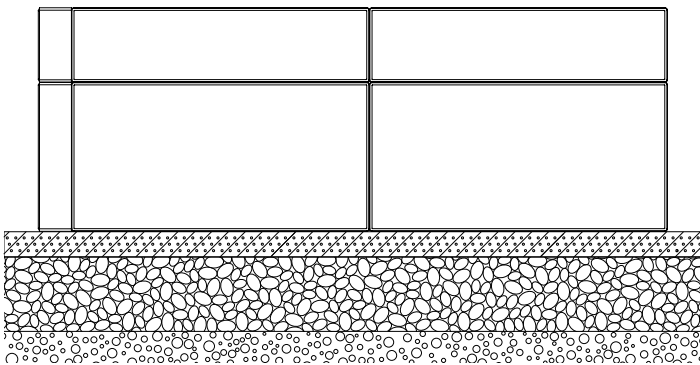
Compacted aggregates 6"- 8"



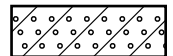
Soil



### On poured concrete



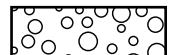
Reinforced Poured Concrete Foundation 2"



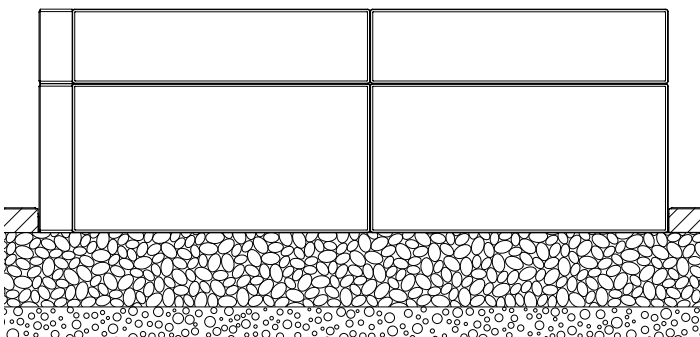
Compacted aggregates 6"- 8"



Soil



### On compacted foundation



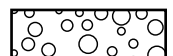
Slab or Paver



Compacted aggregates 6"- 8"



Soil

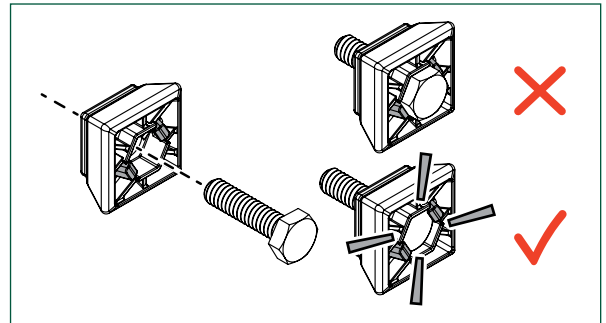


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD

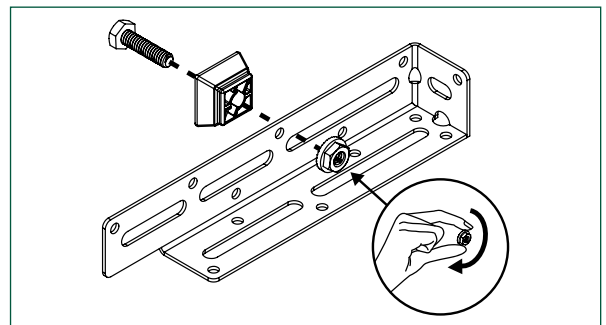
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL

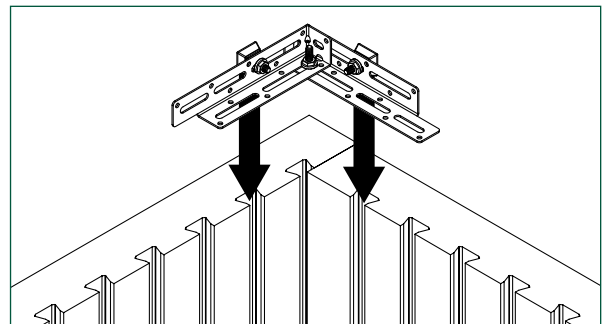
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS

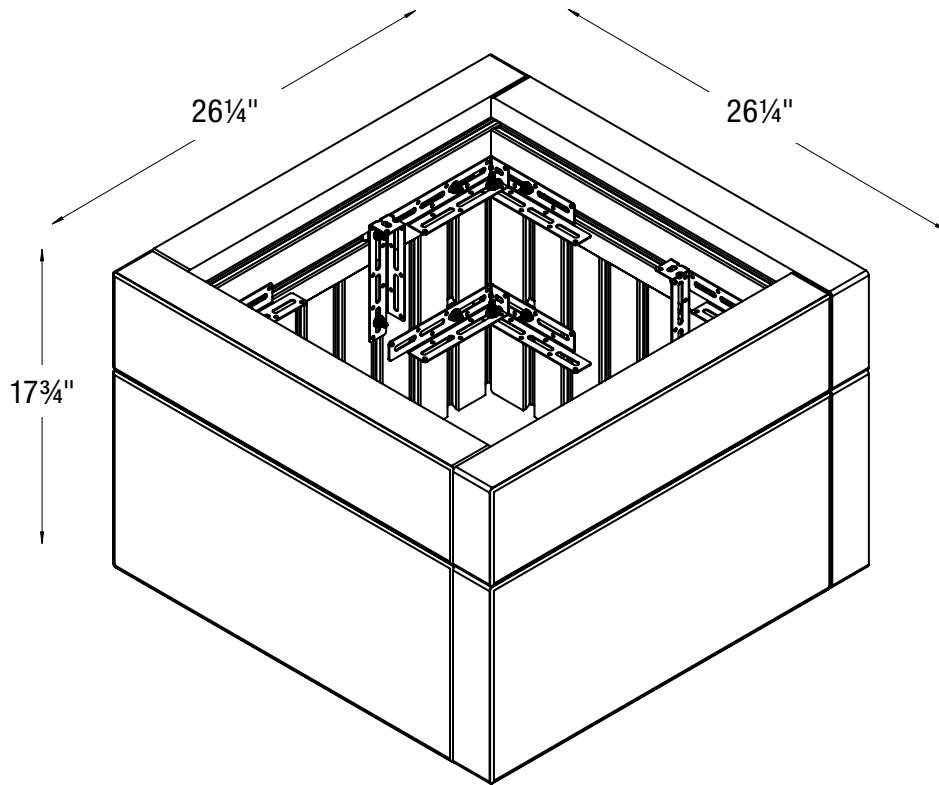
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

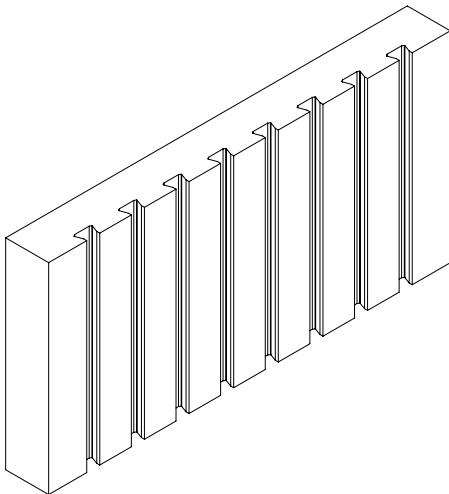
#### WHEN BUILDING PLANTERS

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

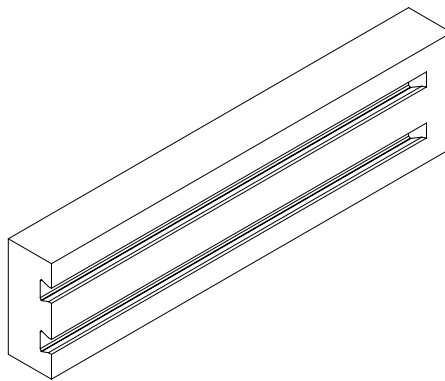


## COMPONENTS

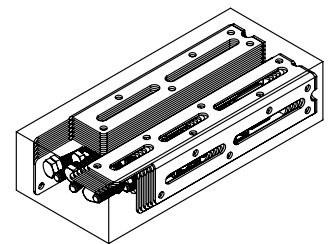
Large Panel (x4)  
12" x 24"

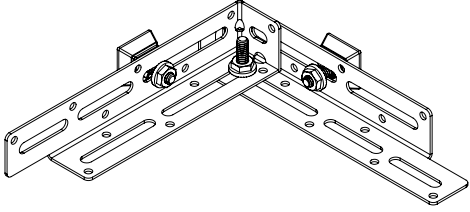
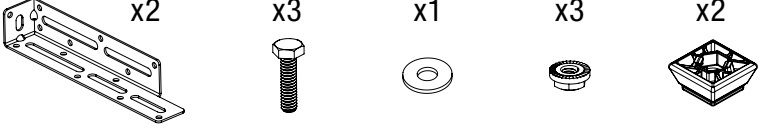
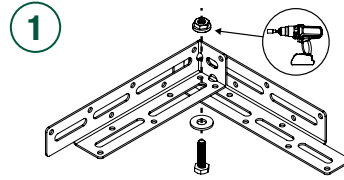
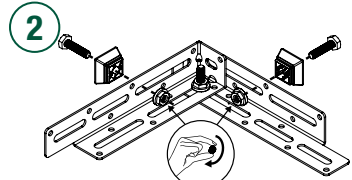
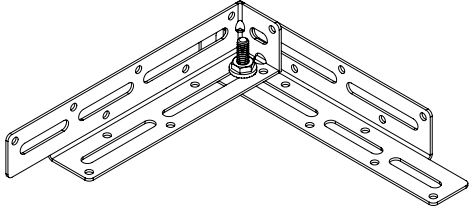
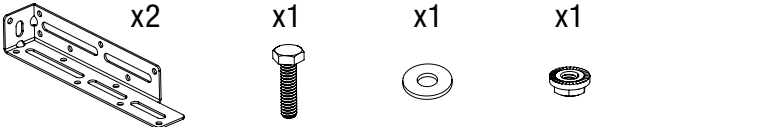
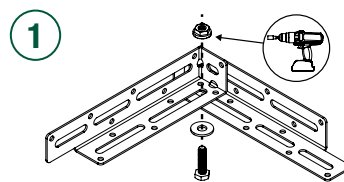
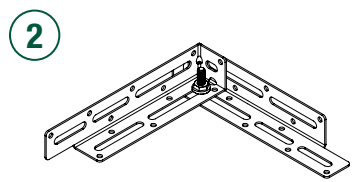
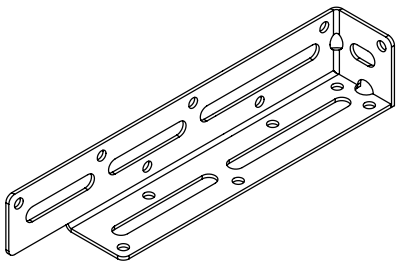
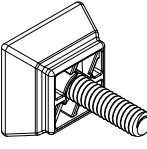
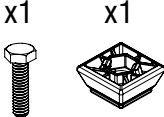
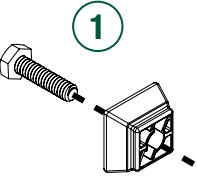



Small Panel (x4)  
6" x 24"

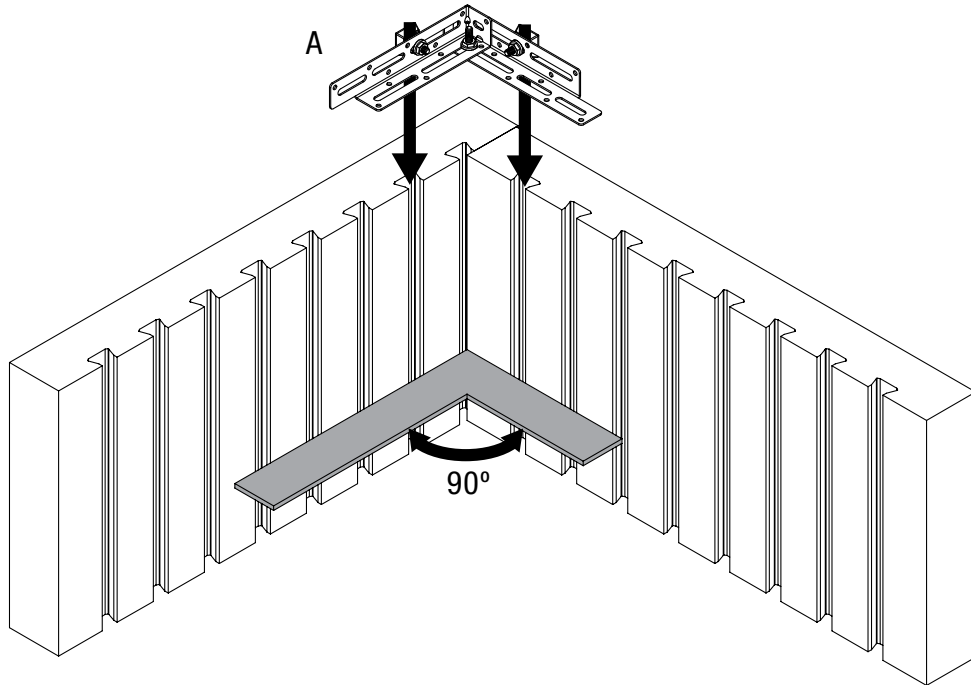


Hardware Kit (x2)

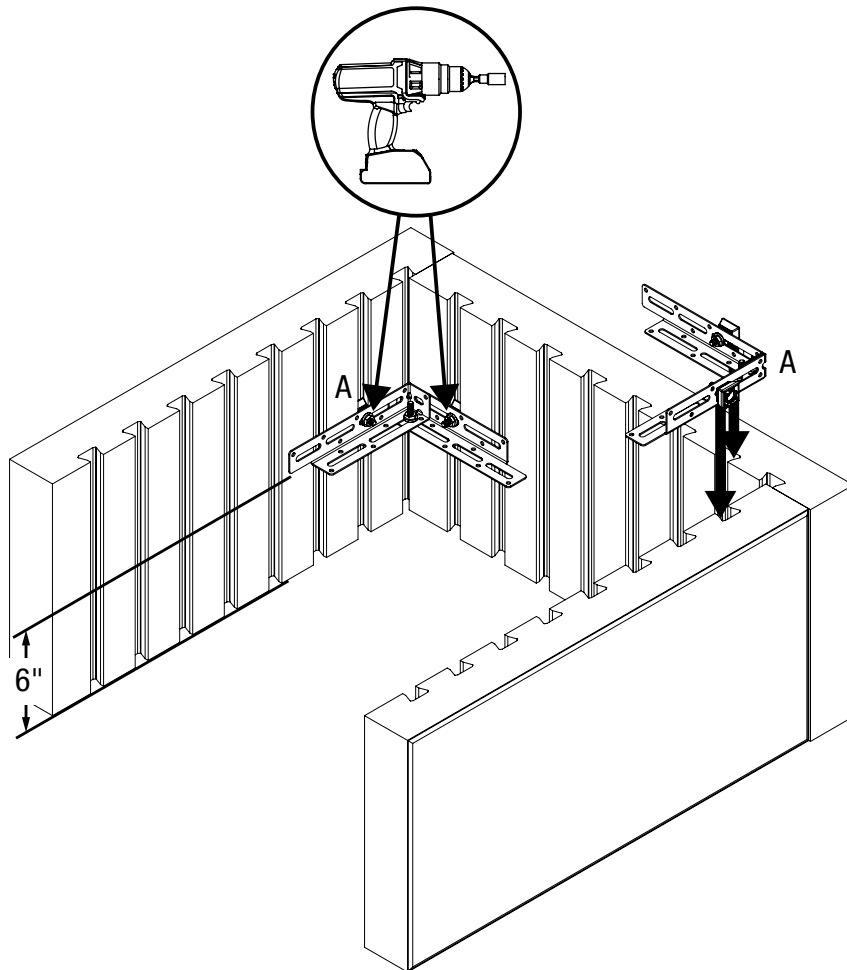


<p><b>BRACKET A</b></p> <p><b>x4</b></p> 	<p>x2      x3      x1      x3      x2</p>  <p>1</p>  <p>2</p> 		
<p><b>BRACKET B</b></p> <p><b>x4</b></p> 	<p>x2      x1      x1      x1</p>  <p>1</p>  <p>2</p> 		
<p><b>BRACKET H</b></p> <p><b>x4</b></p> 	<p><b>ASSEMBLY I</b>      <b>x16</b></p> <p>Use with BRACKETS B and H during build</p> 	<p>x1      x1</p>  <p>1</p> 	<p><b>J</b>      <b>x16</b></p> 

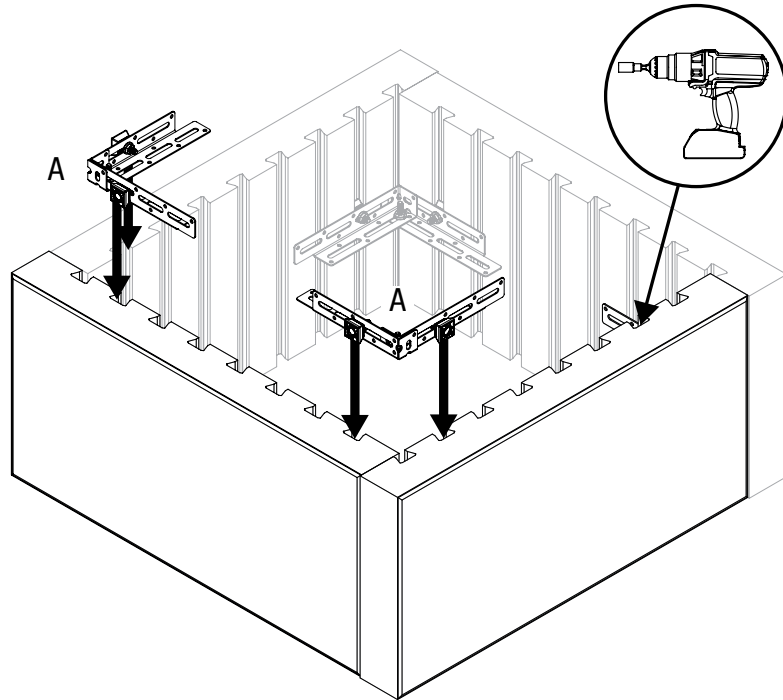
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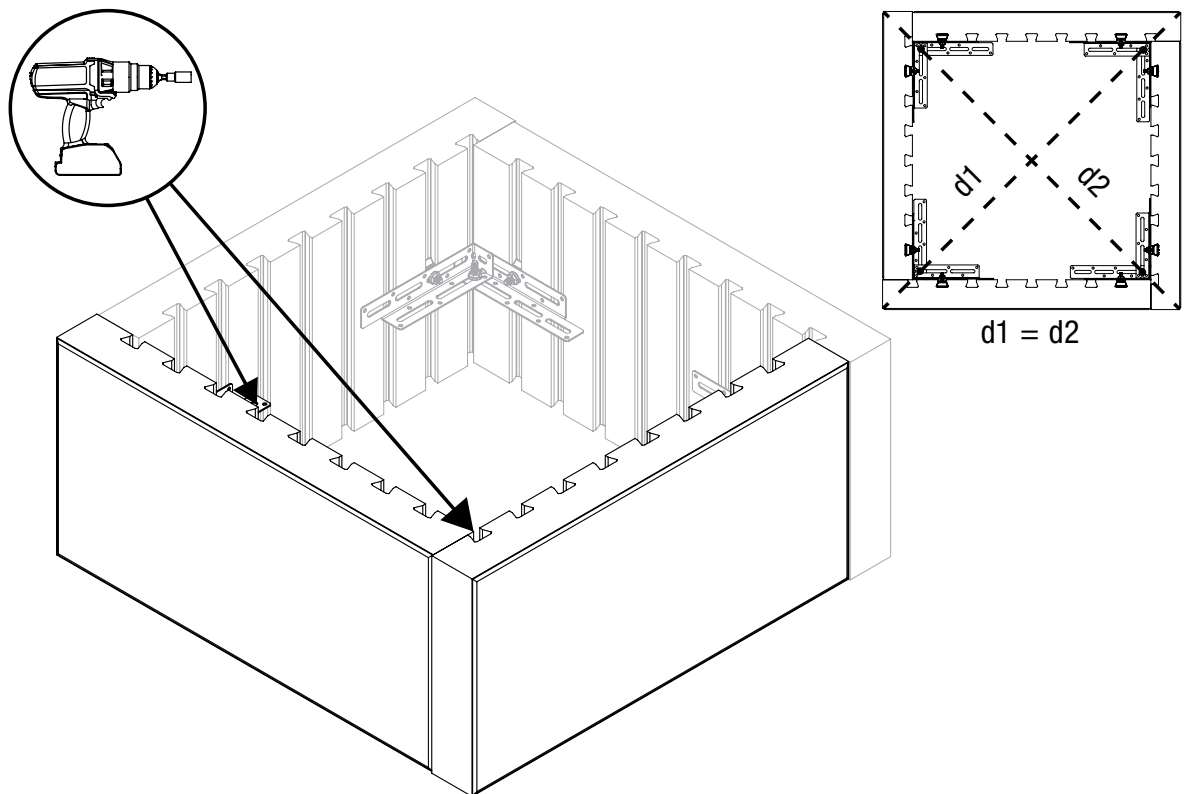
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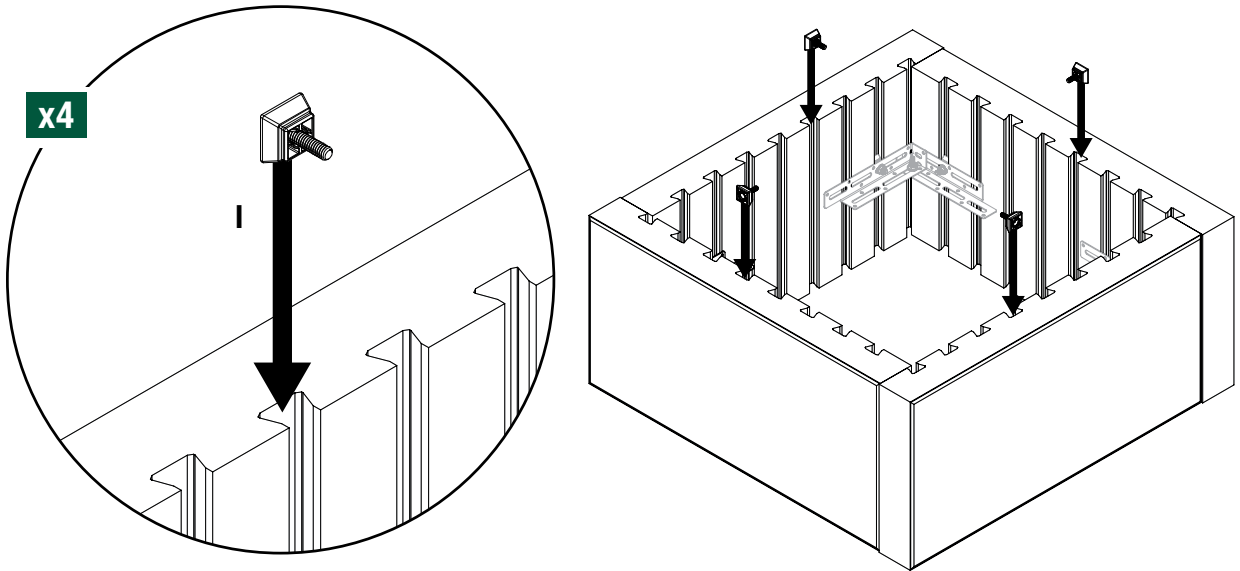
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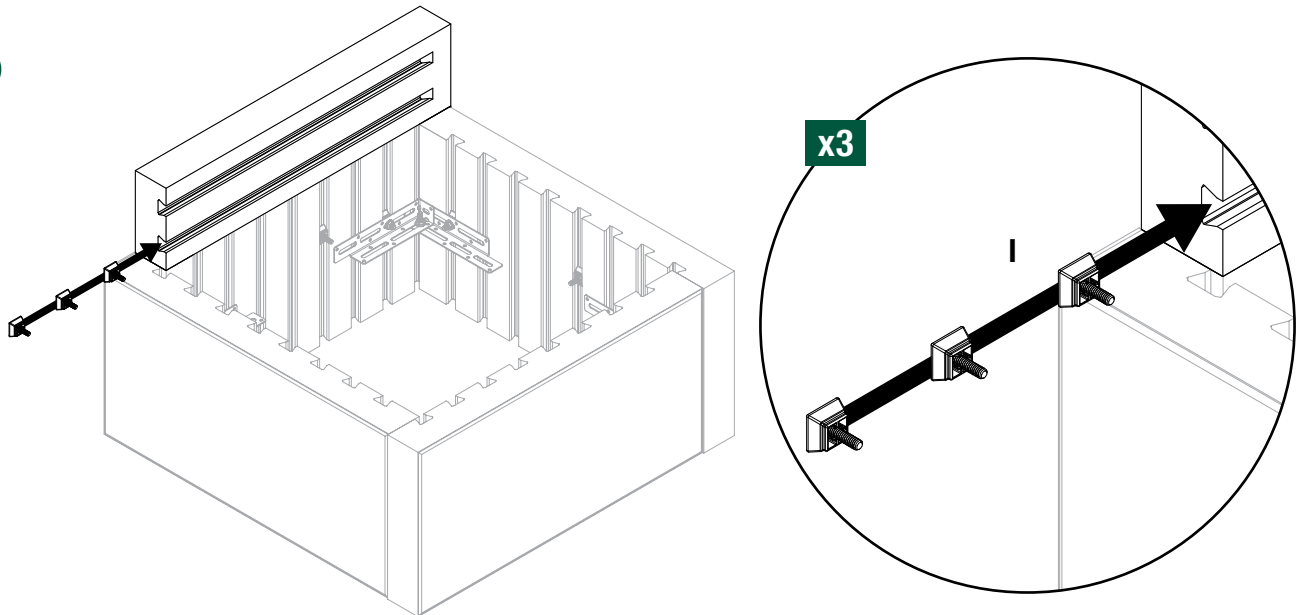


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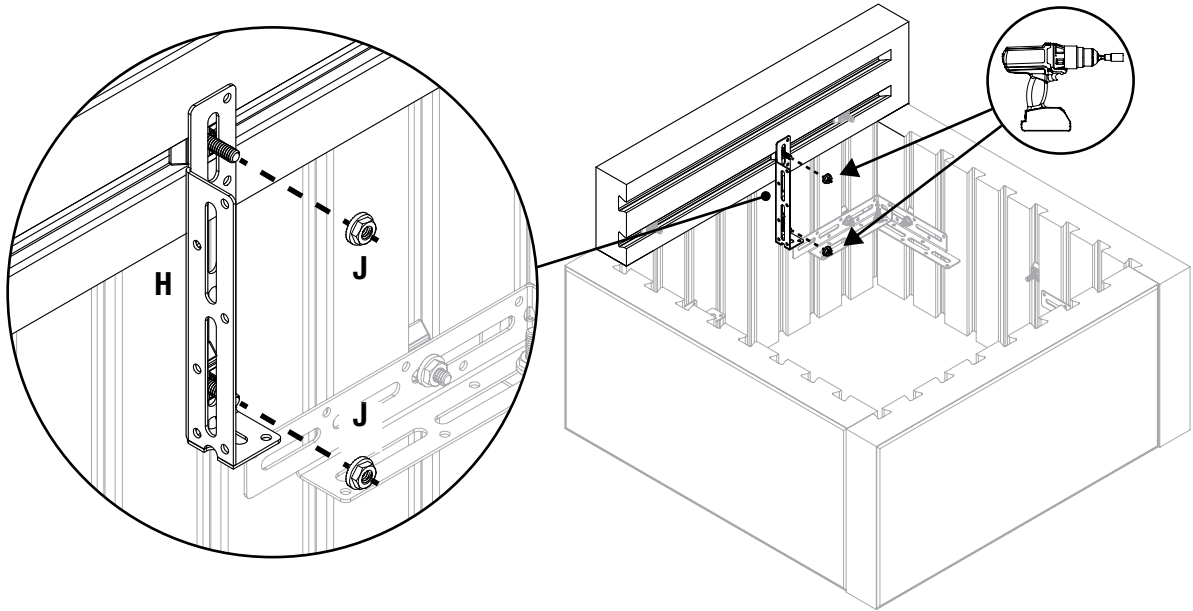


Insert **ASSEMBLY I** now for later use with **BRACKET B** and **BRACKET H**

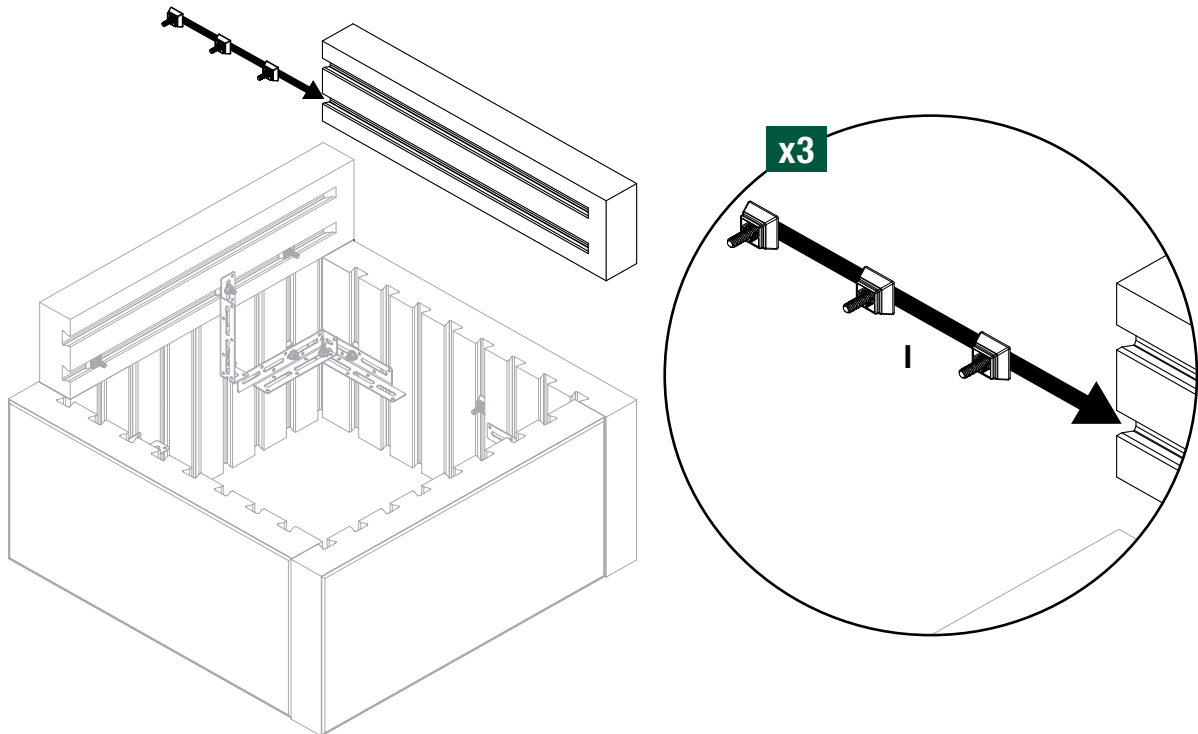
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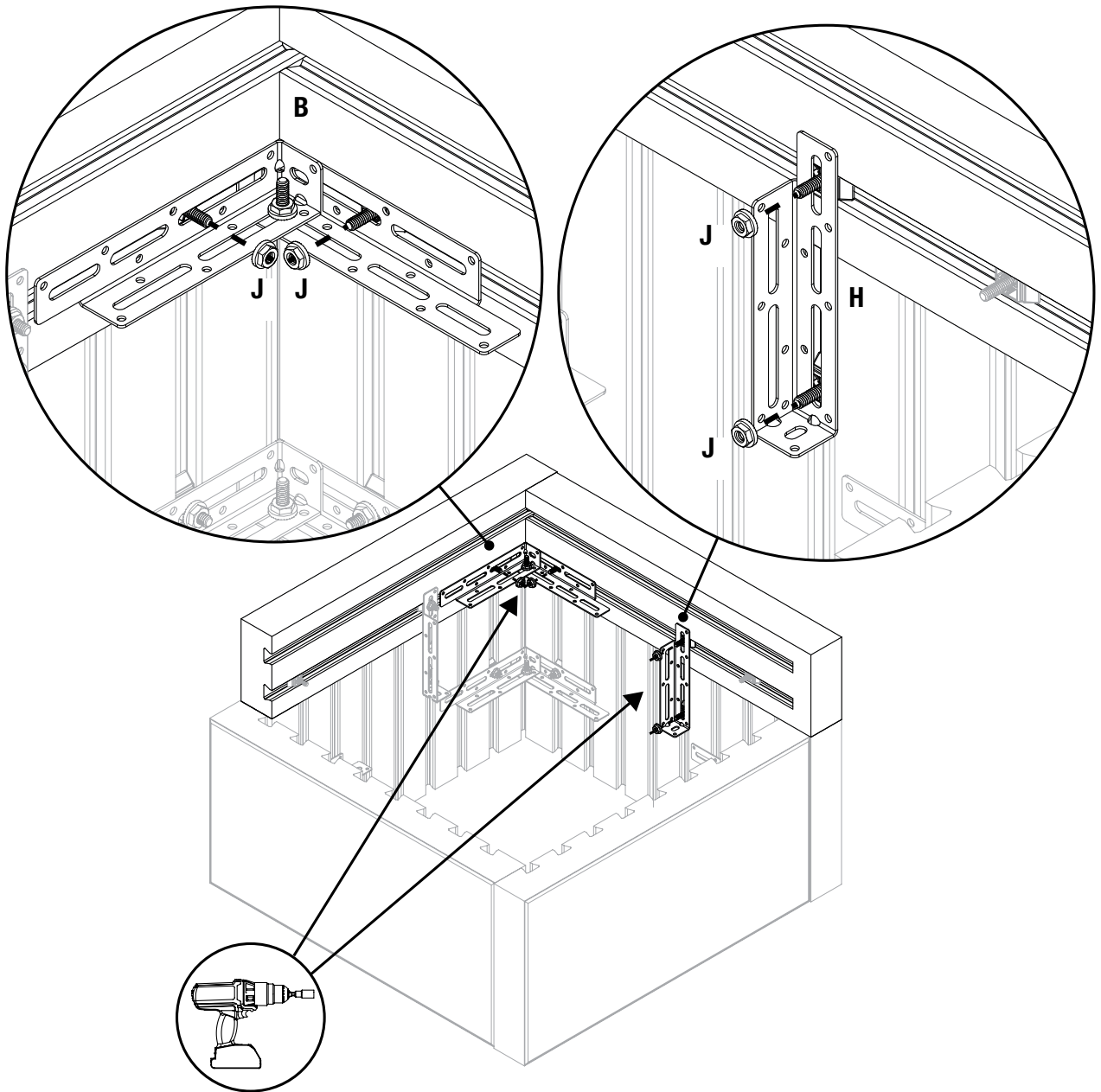
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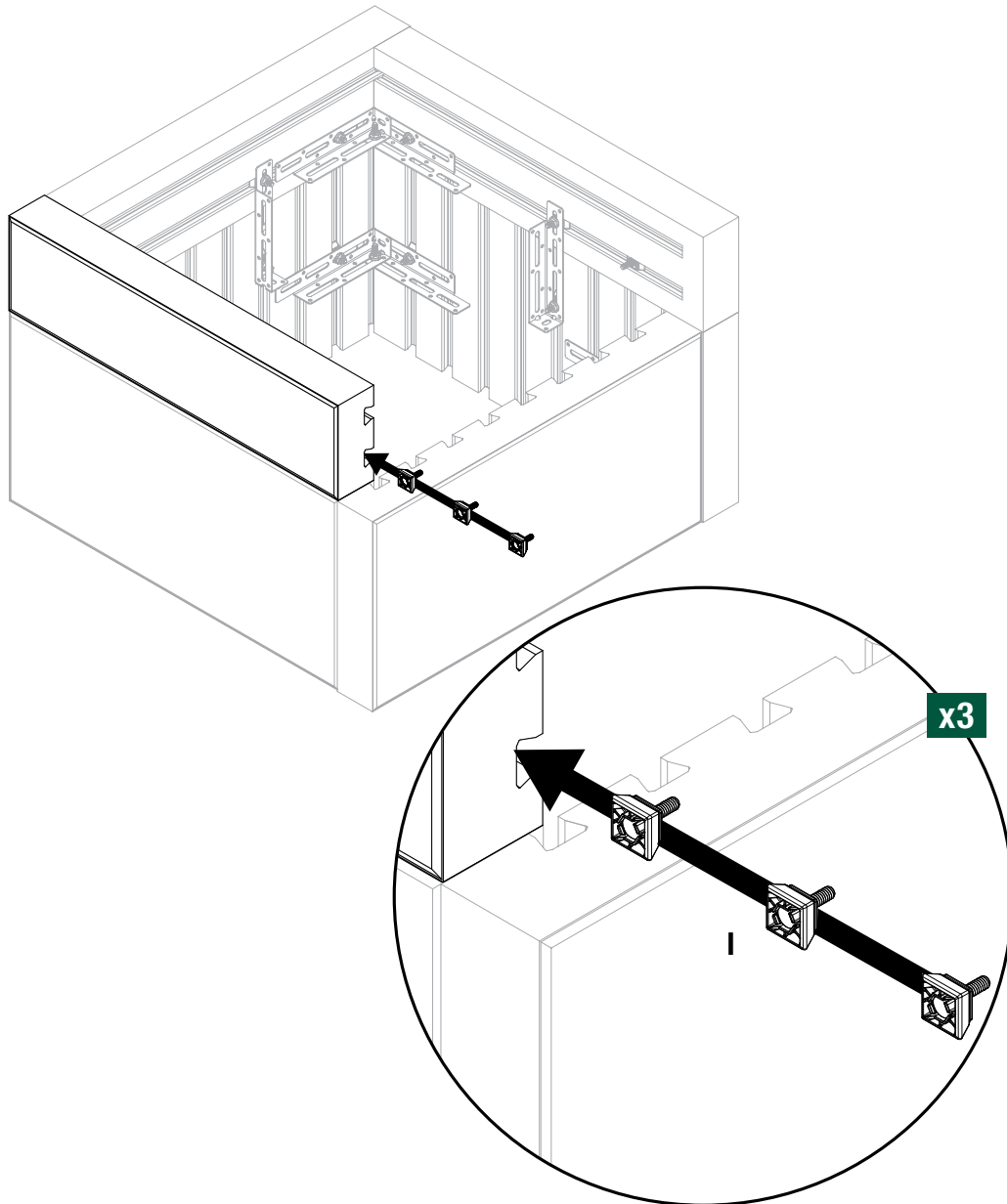
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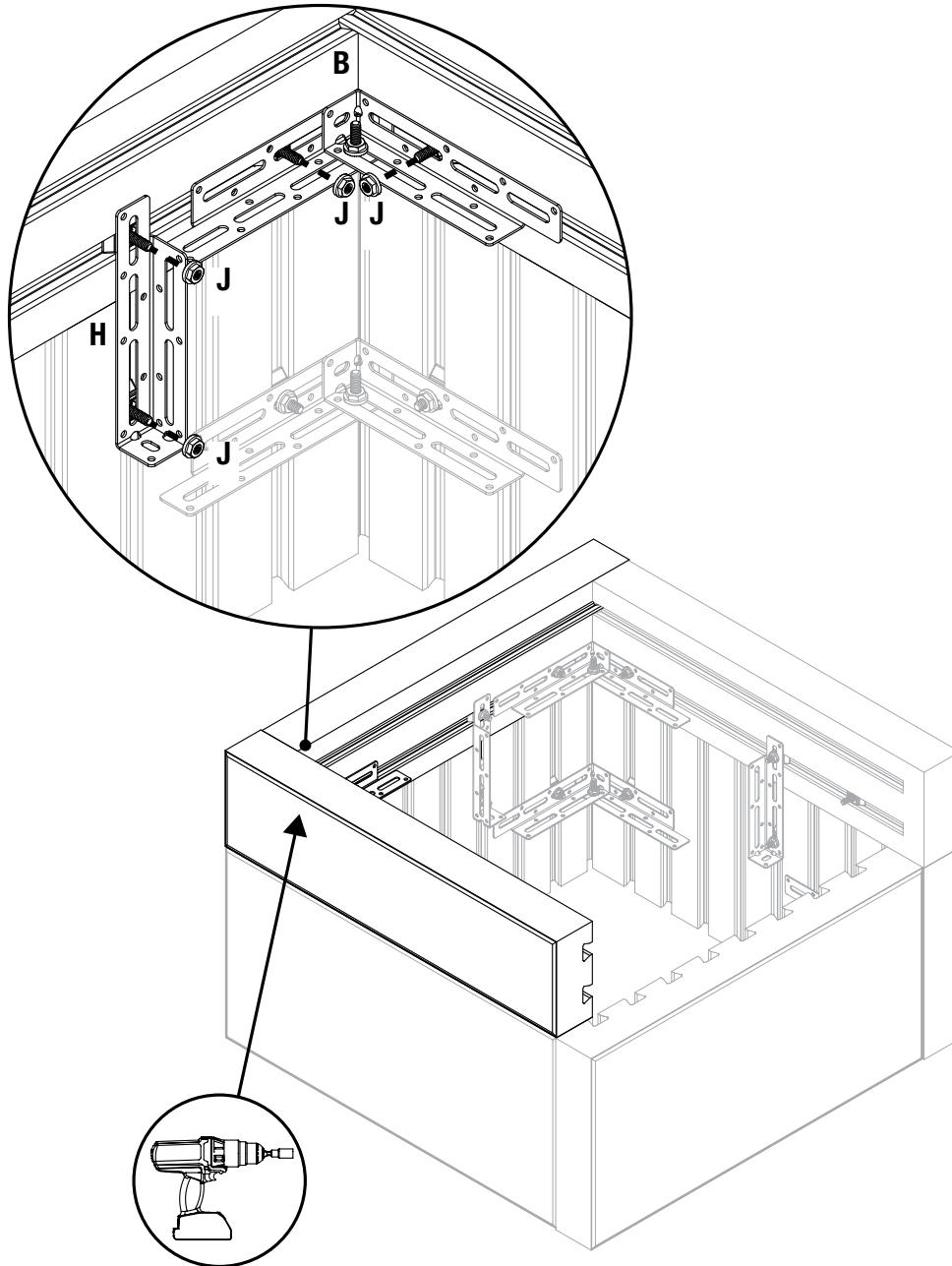
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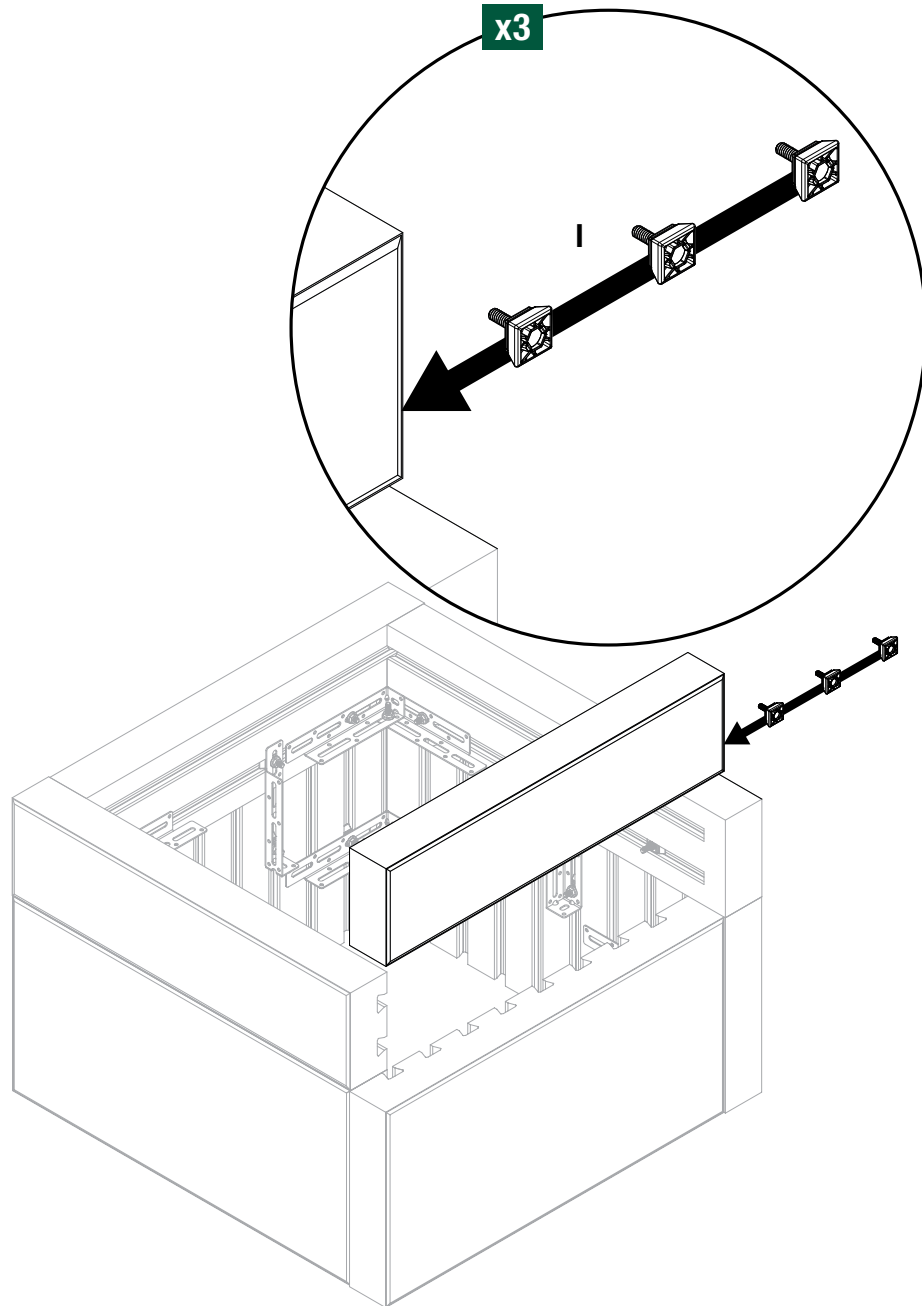
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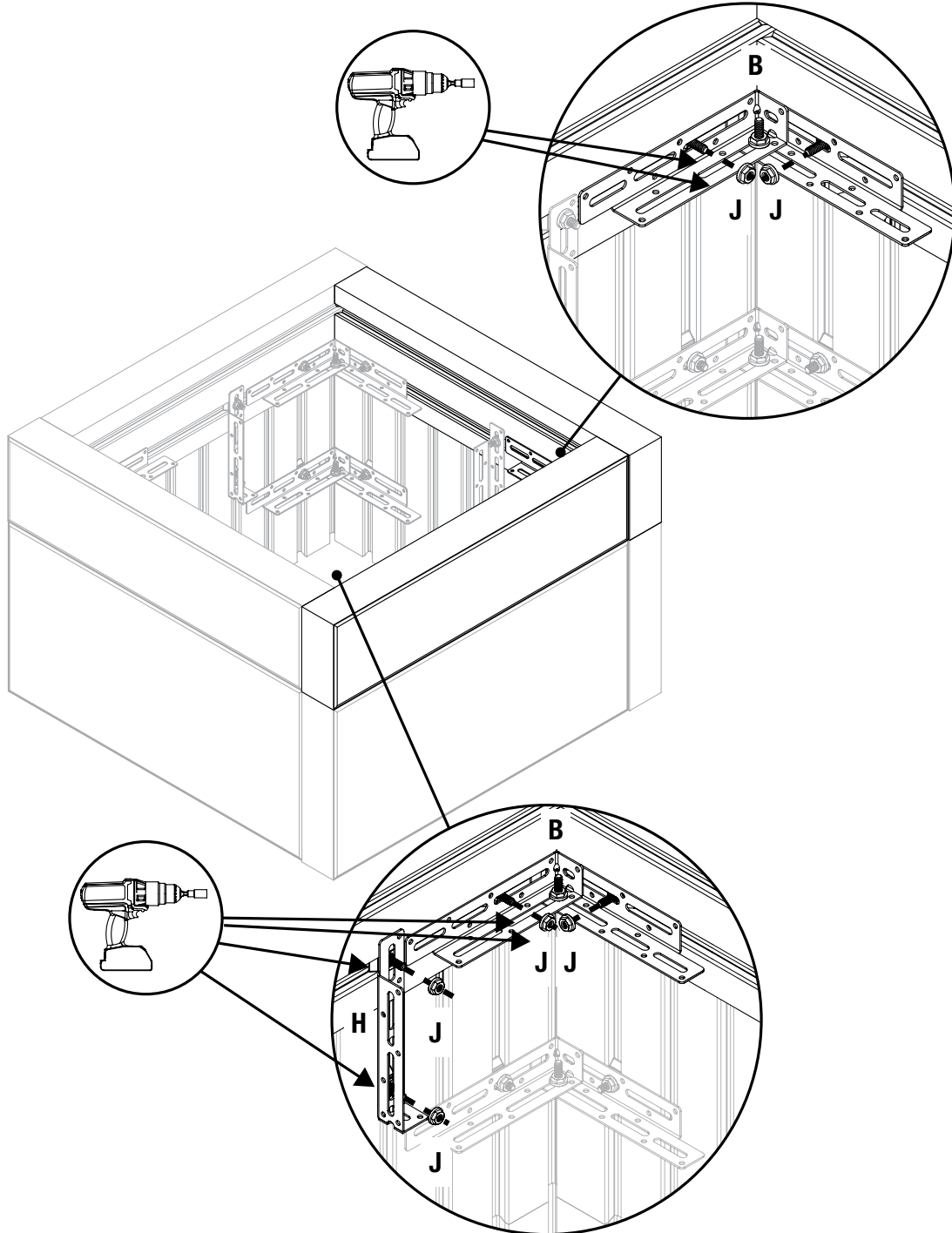
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12



13



# DESIGNFORMS™

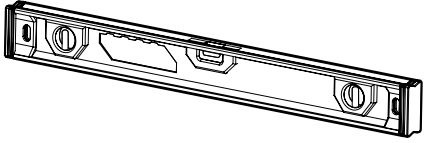
2 ft Square Planter - Wood Top



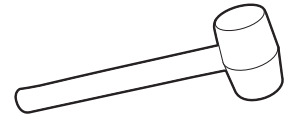
## REQUIRED TOOLS

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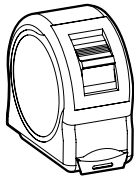
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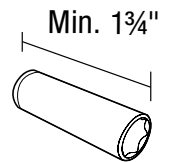
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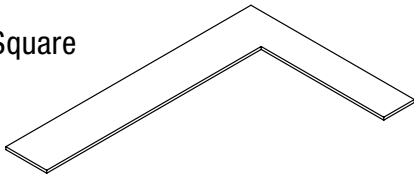
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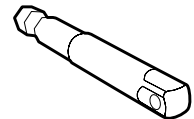
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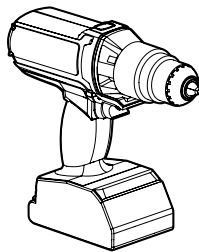
Carpenter Square



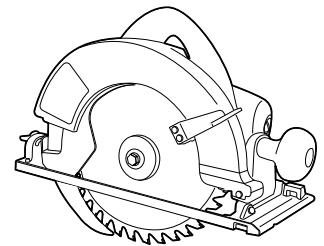
Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



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Skill Saw



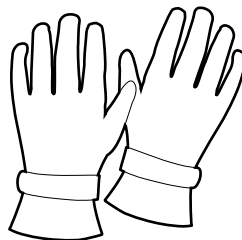
## SAFETY EQUIPMENT

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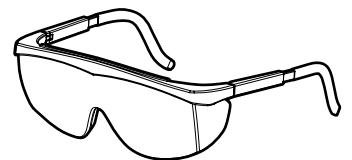
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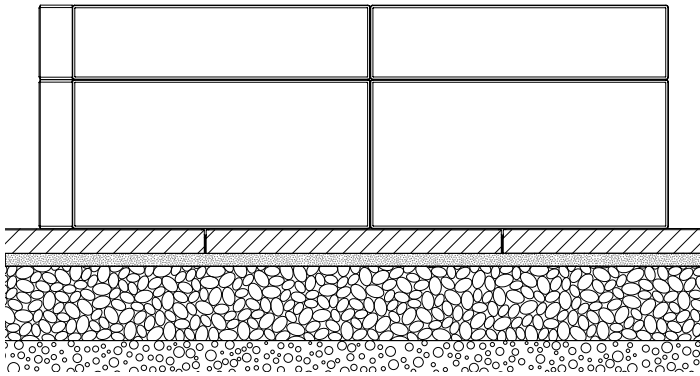
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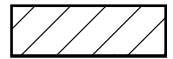
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### On new or existing patio



Slab or Paver



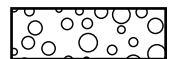
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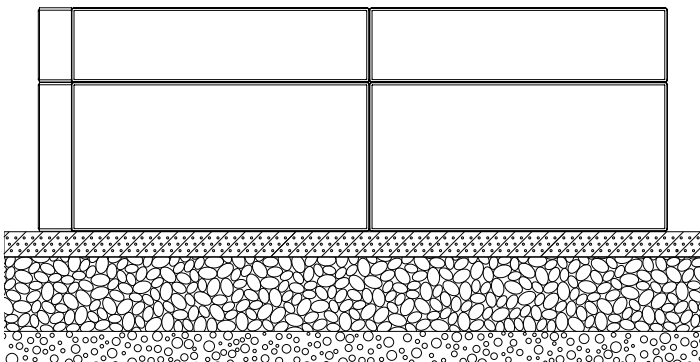
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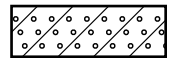
Soil



### On poured concrete



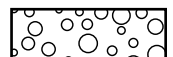
Reinforced Poured Concrete Foundation 2"



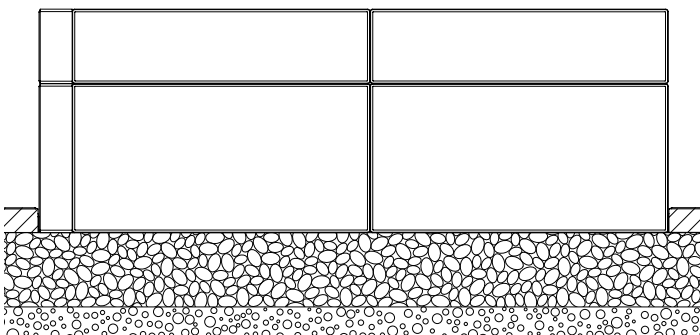
Compacted aggregates 6"- 8"



Soil



### On compacted foundation



Slab or Paver



Compacted aggregates 6"- 8"



Soil

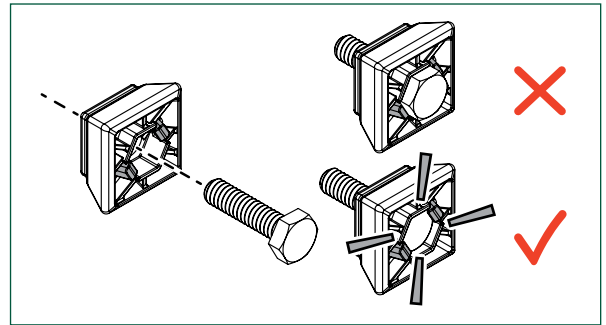


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

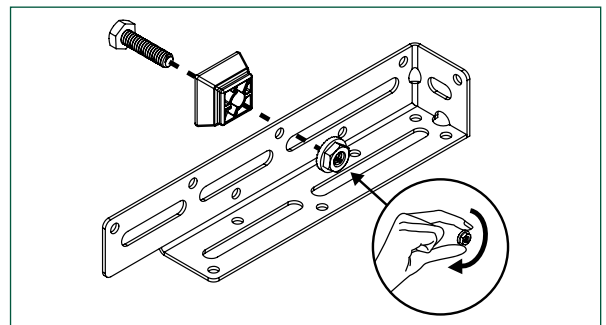
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- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

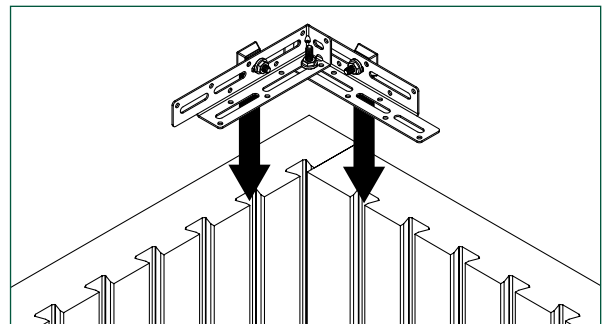
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

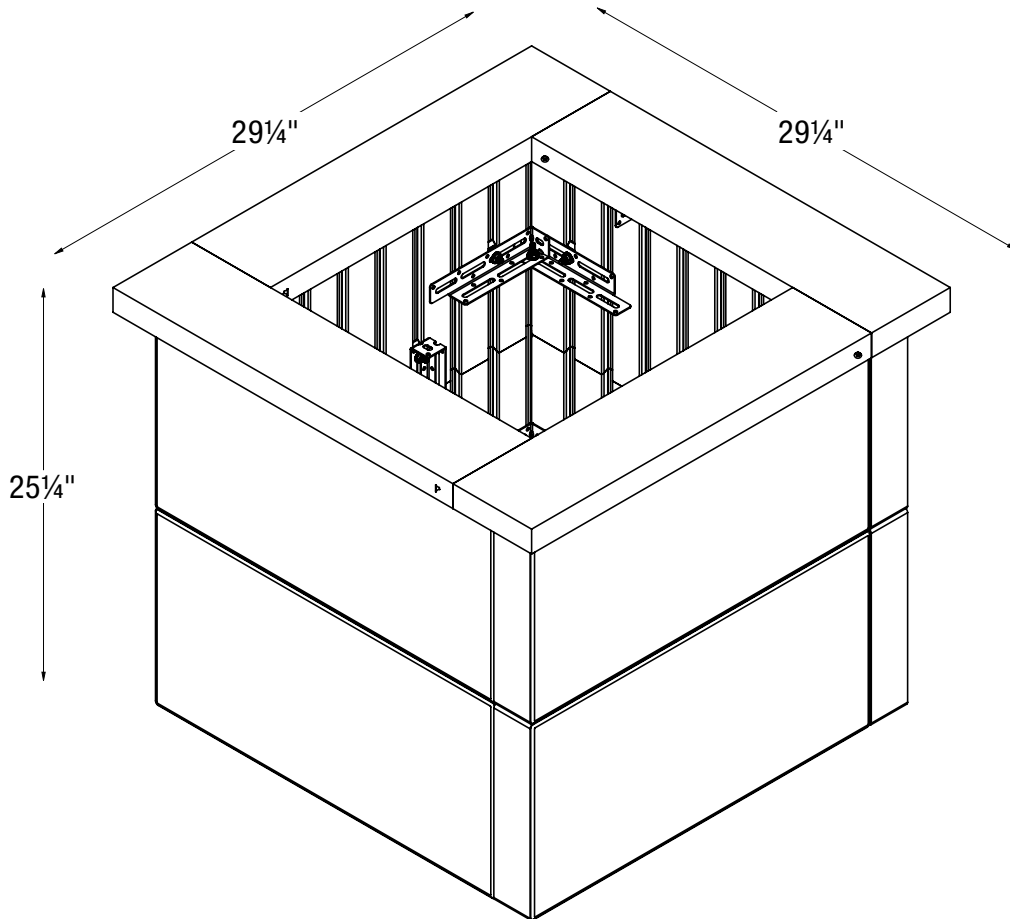
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- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
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**Fig. C**

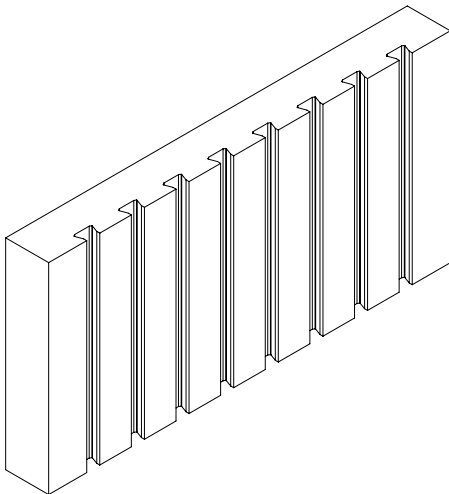
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- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

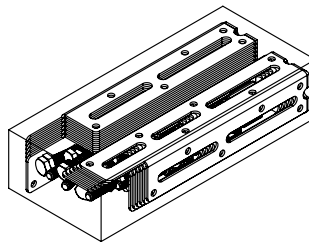


## COMPONENTS

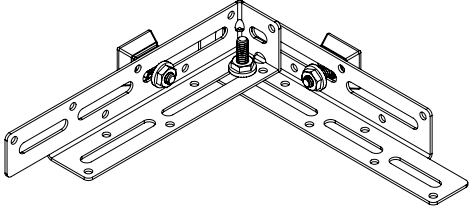
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12" x 24"



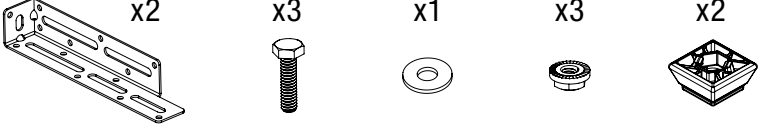
Hardware Kit (x2)



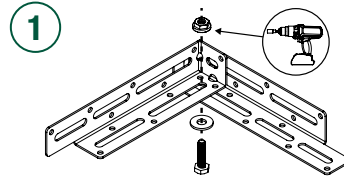
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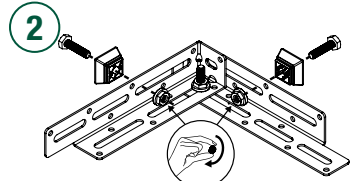
x2 x3 x1 x3 x2



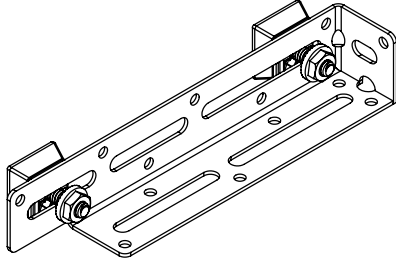
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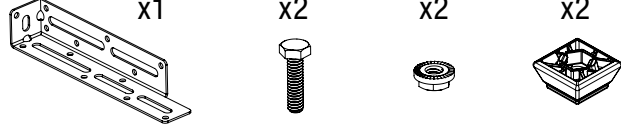
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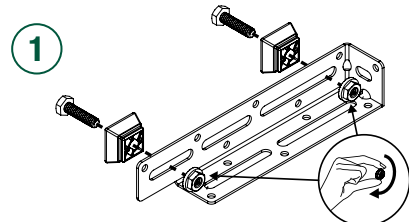
**BRACKET C** x4



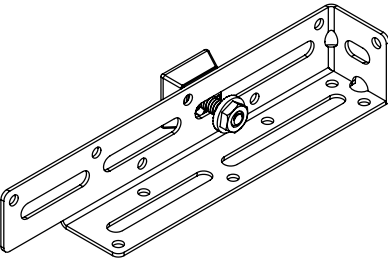
x1 x2 x2 x2



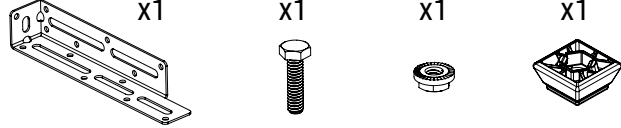
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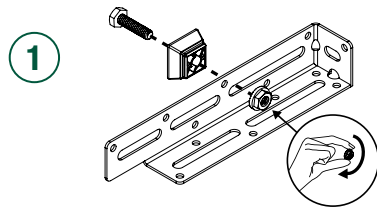
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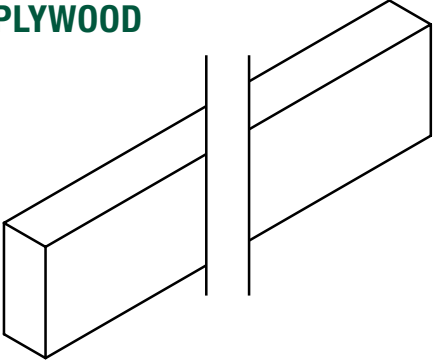
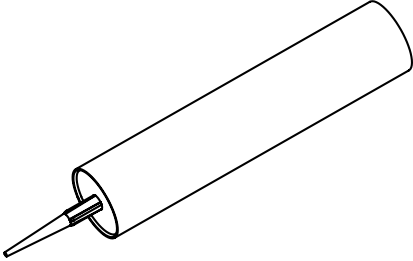
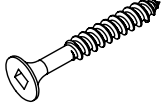

x1 x1 x1 x1



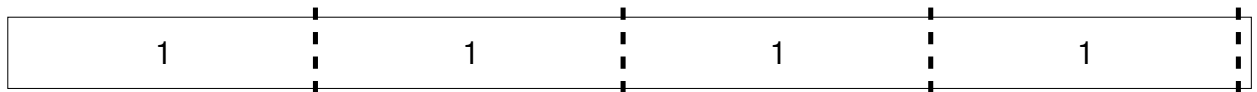
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### ADDITIONAL WOOD CAP COMPONENTS

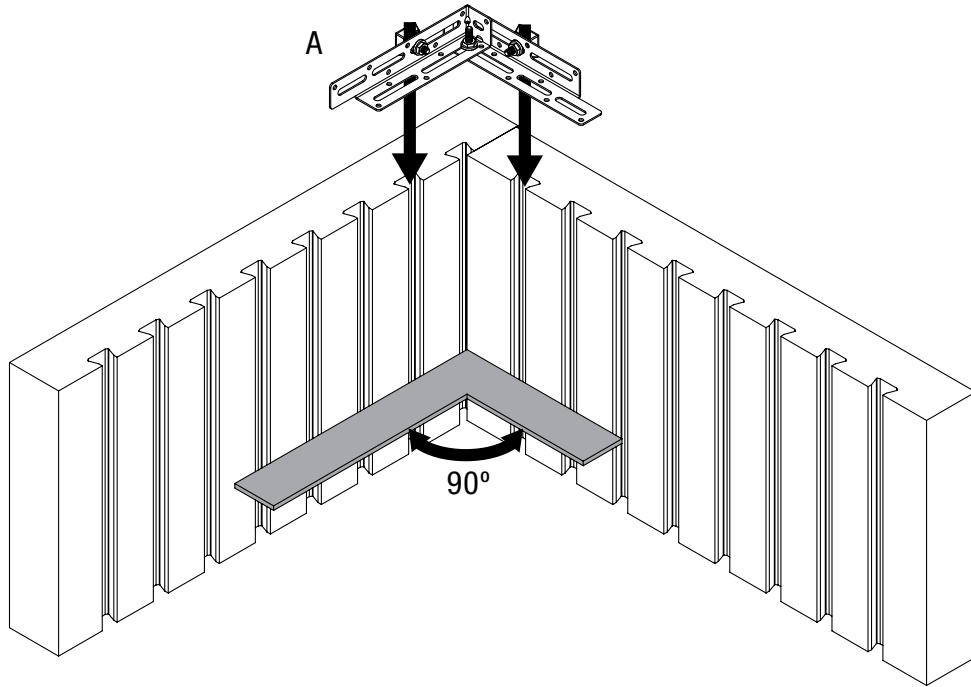
<p><b>2" x 6" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p>  <p><b>x1</b></p>	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p>  <p><b>x1</b></p>	<p><b>A #8 1¼"</b> <b>DECK SCREW</b></p>  <p><b>x8</b></p>
		<p><b>B #8 3"</b> <b>DECK SCREW</b></p>  <p><b>x8</b></p>

### WOOD CUTS

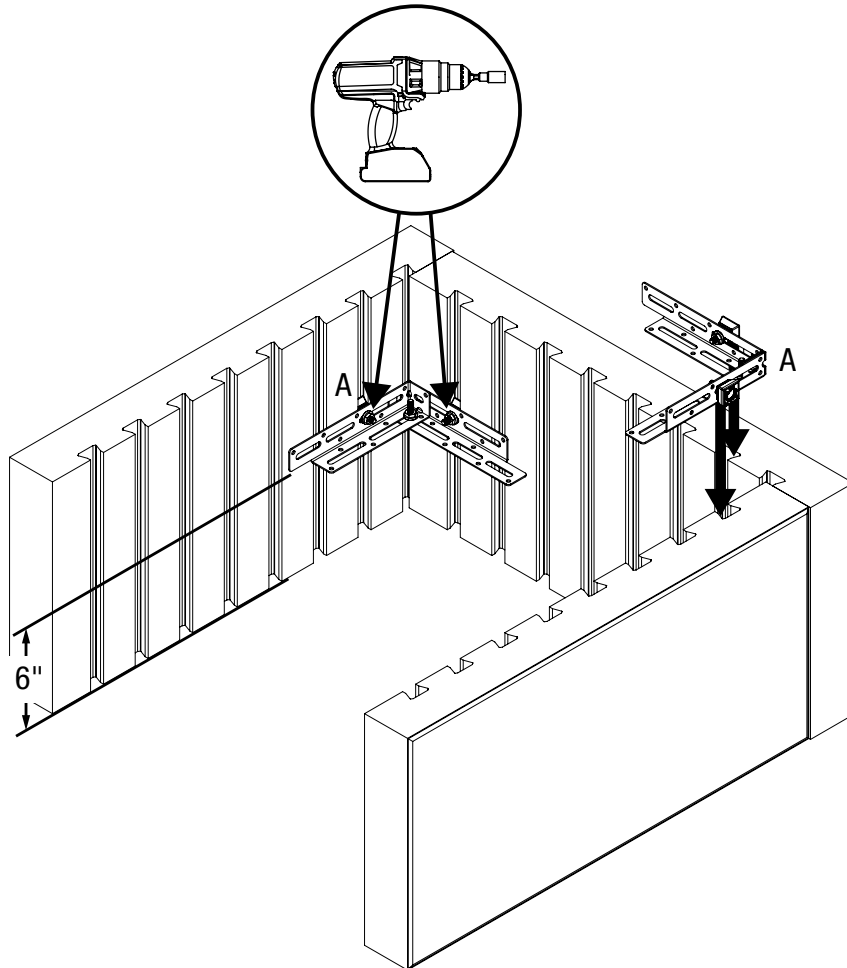


1 = 23¾"

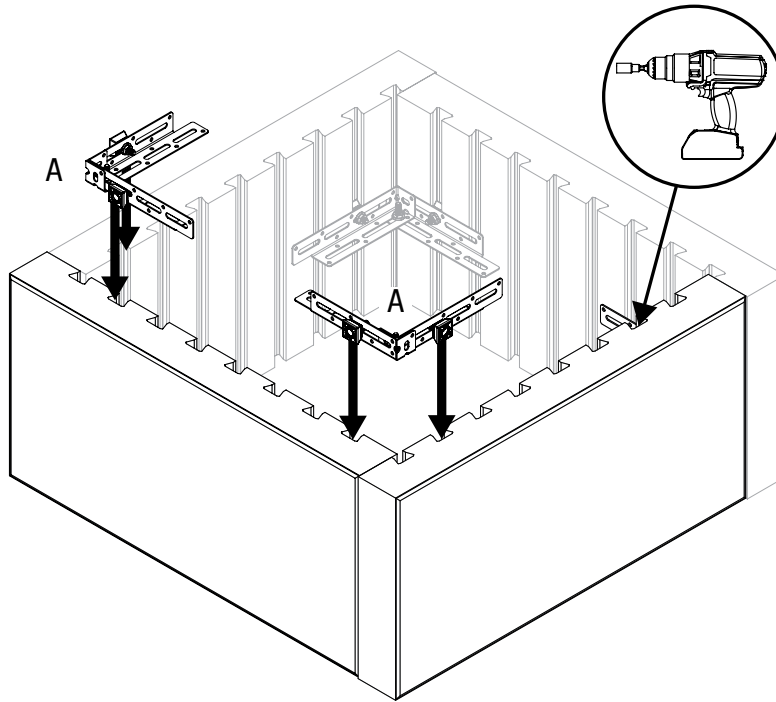
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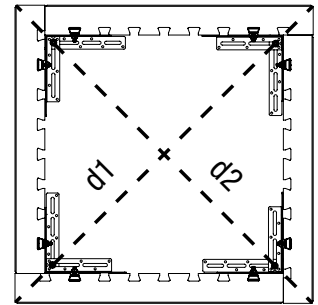
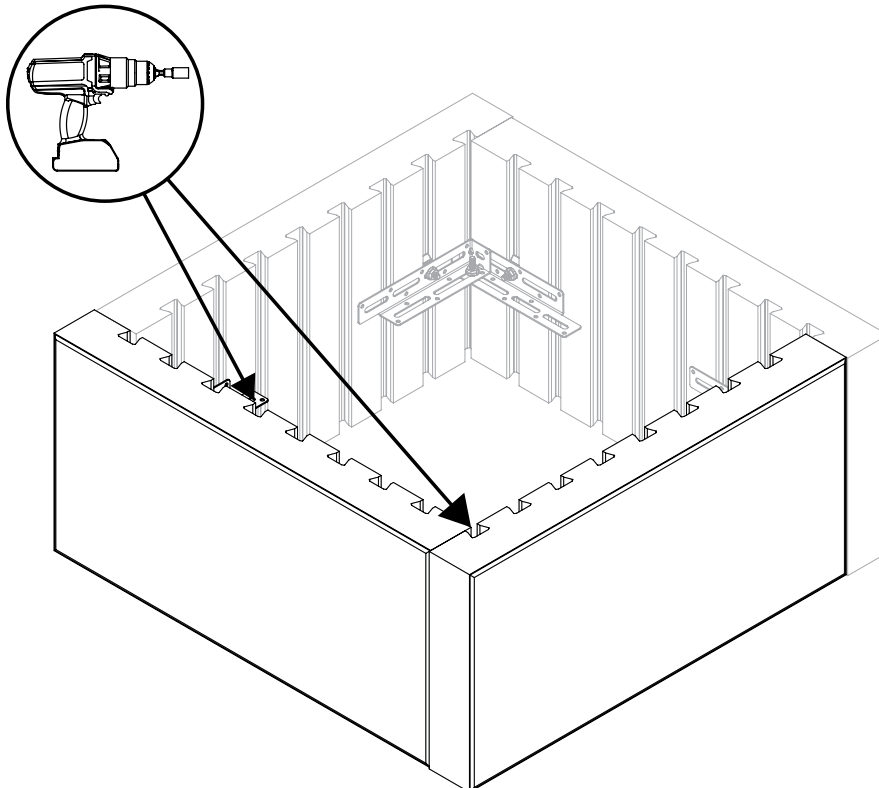
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3

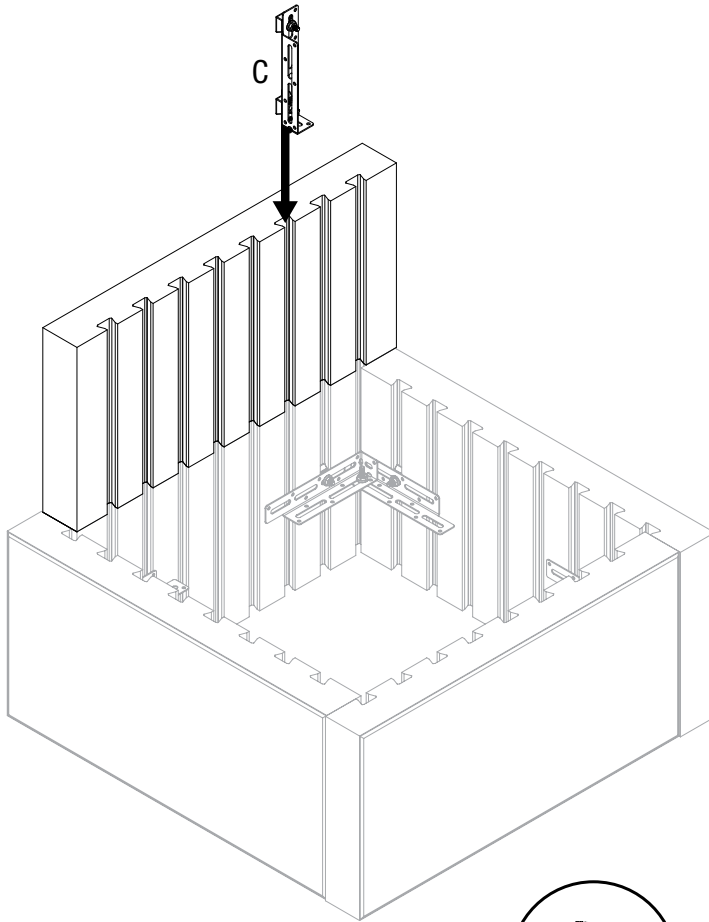


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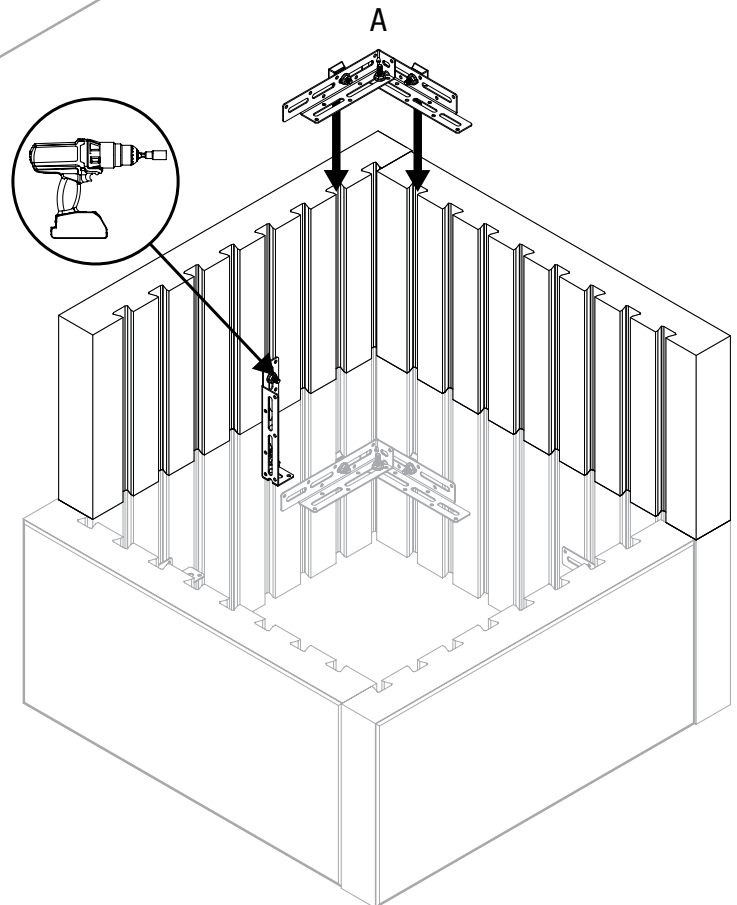


$d_1 = d_2$

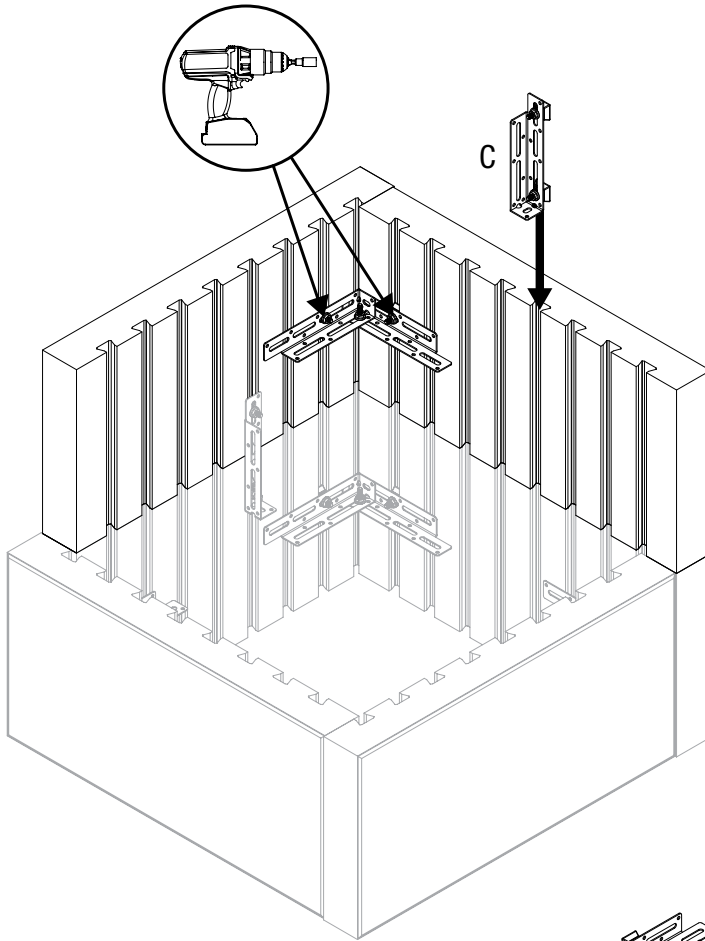
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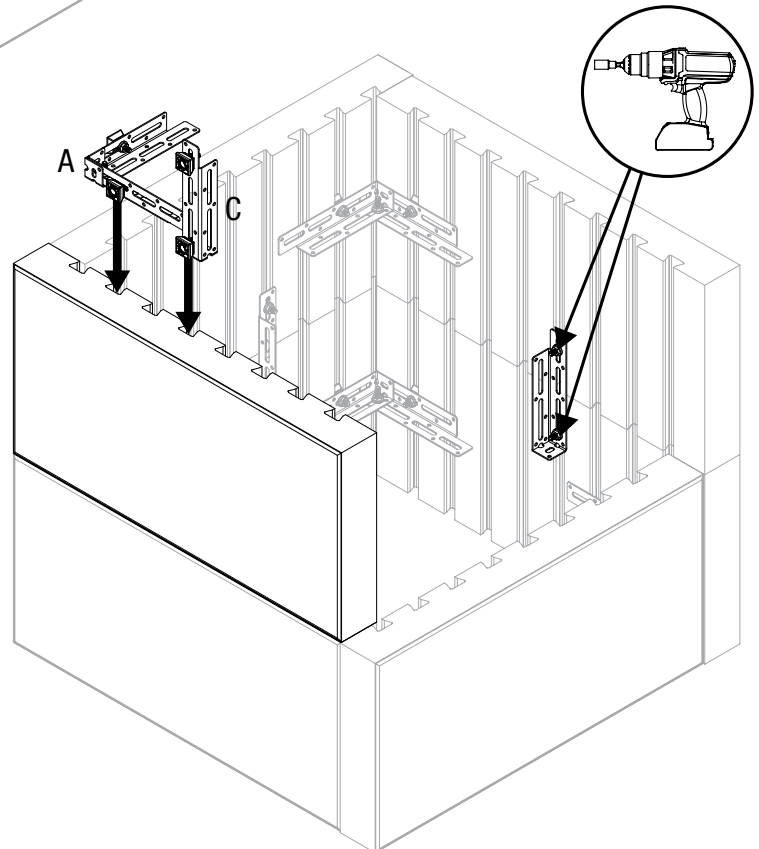
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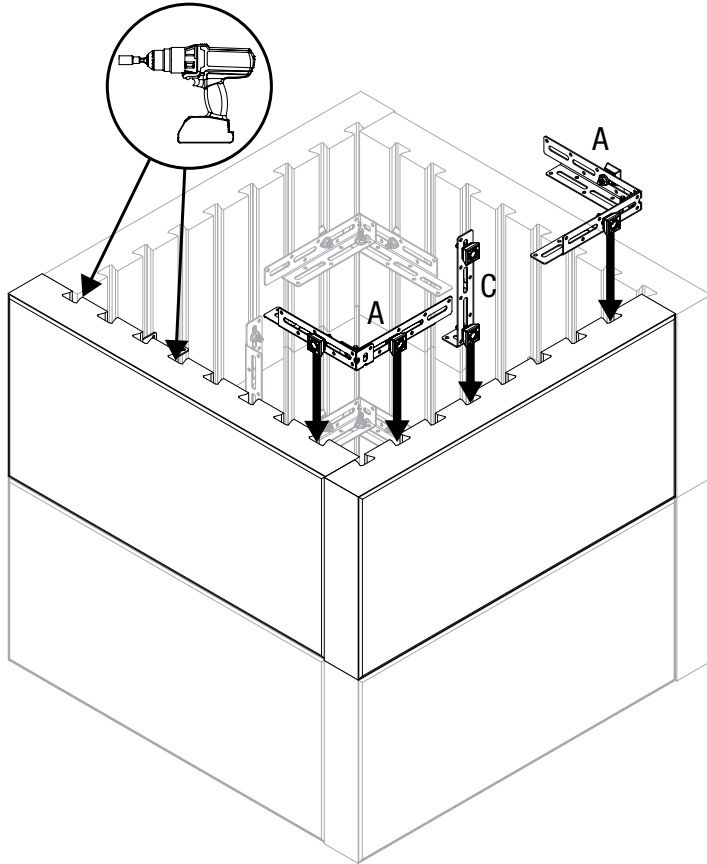
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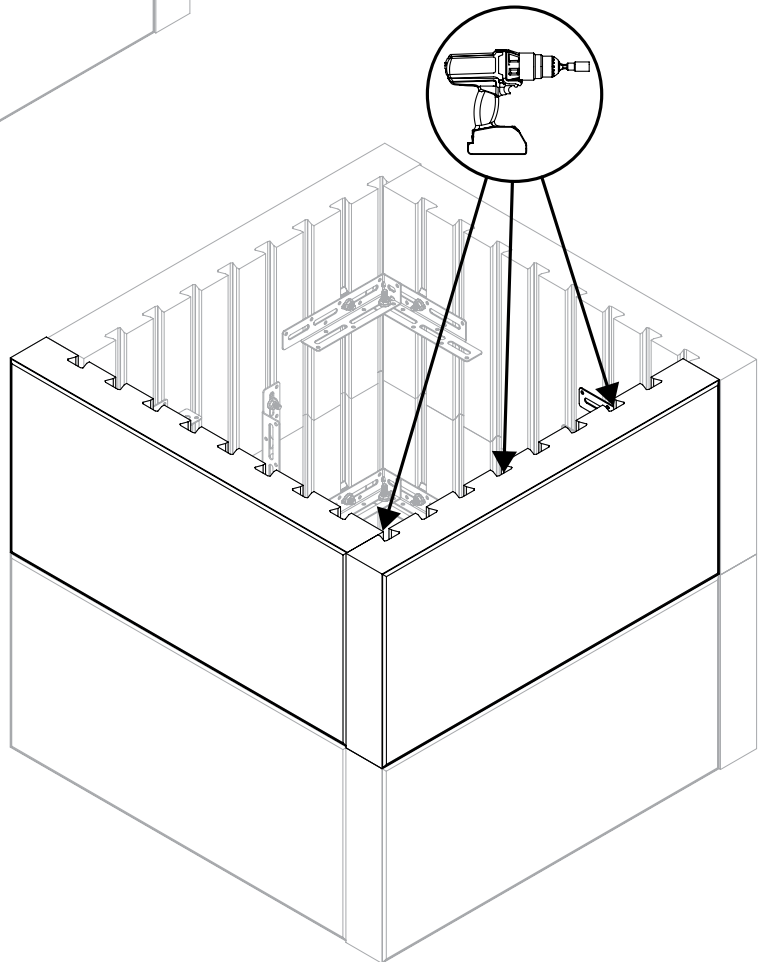
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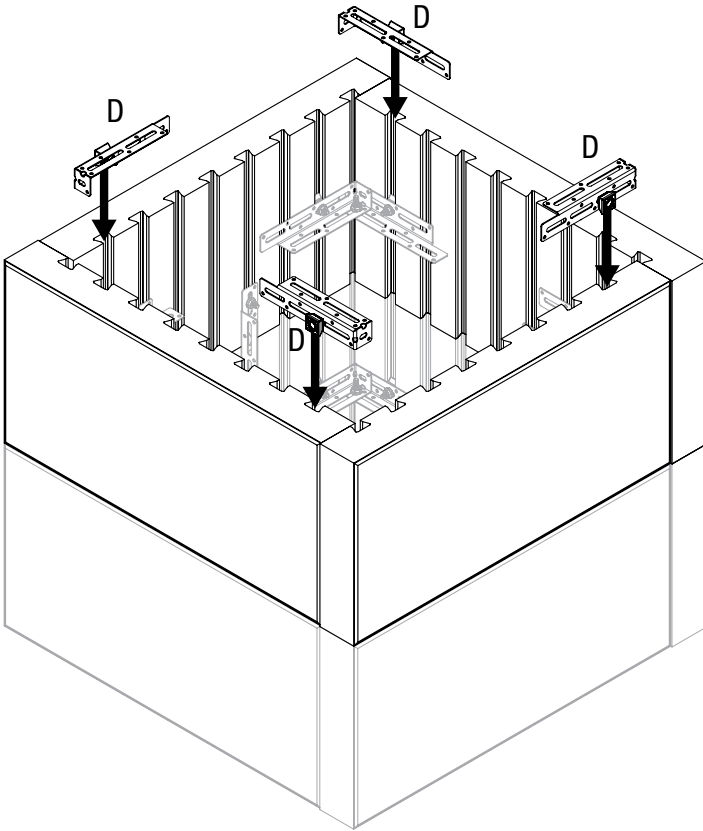
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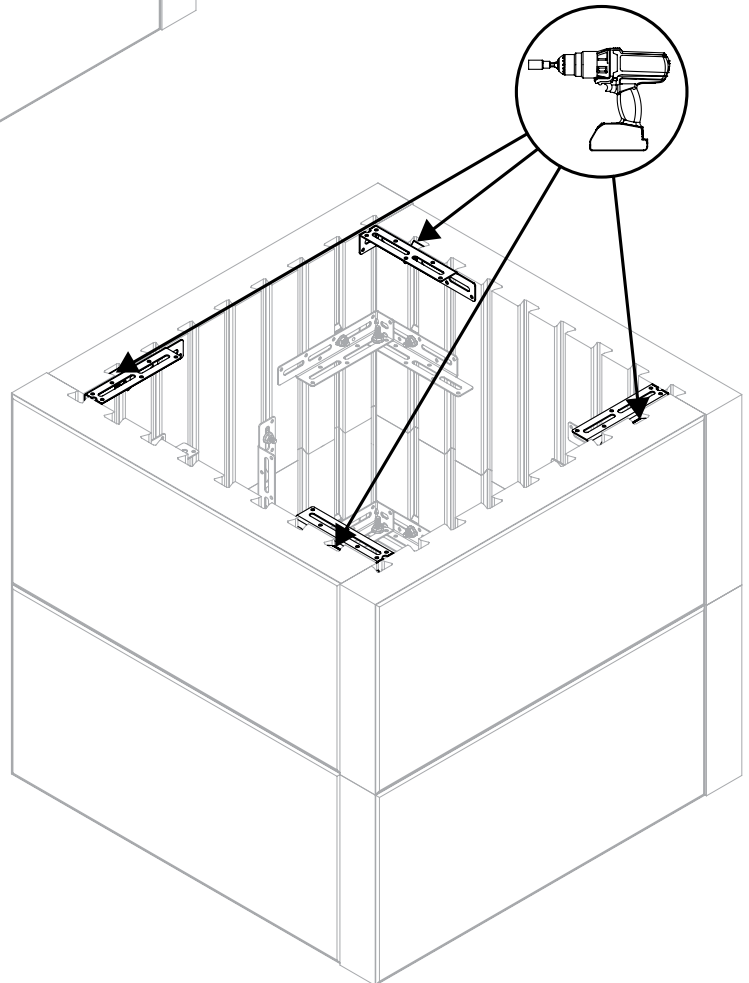
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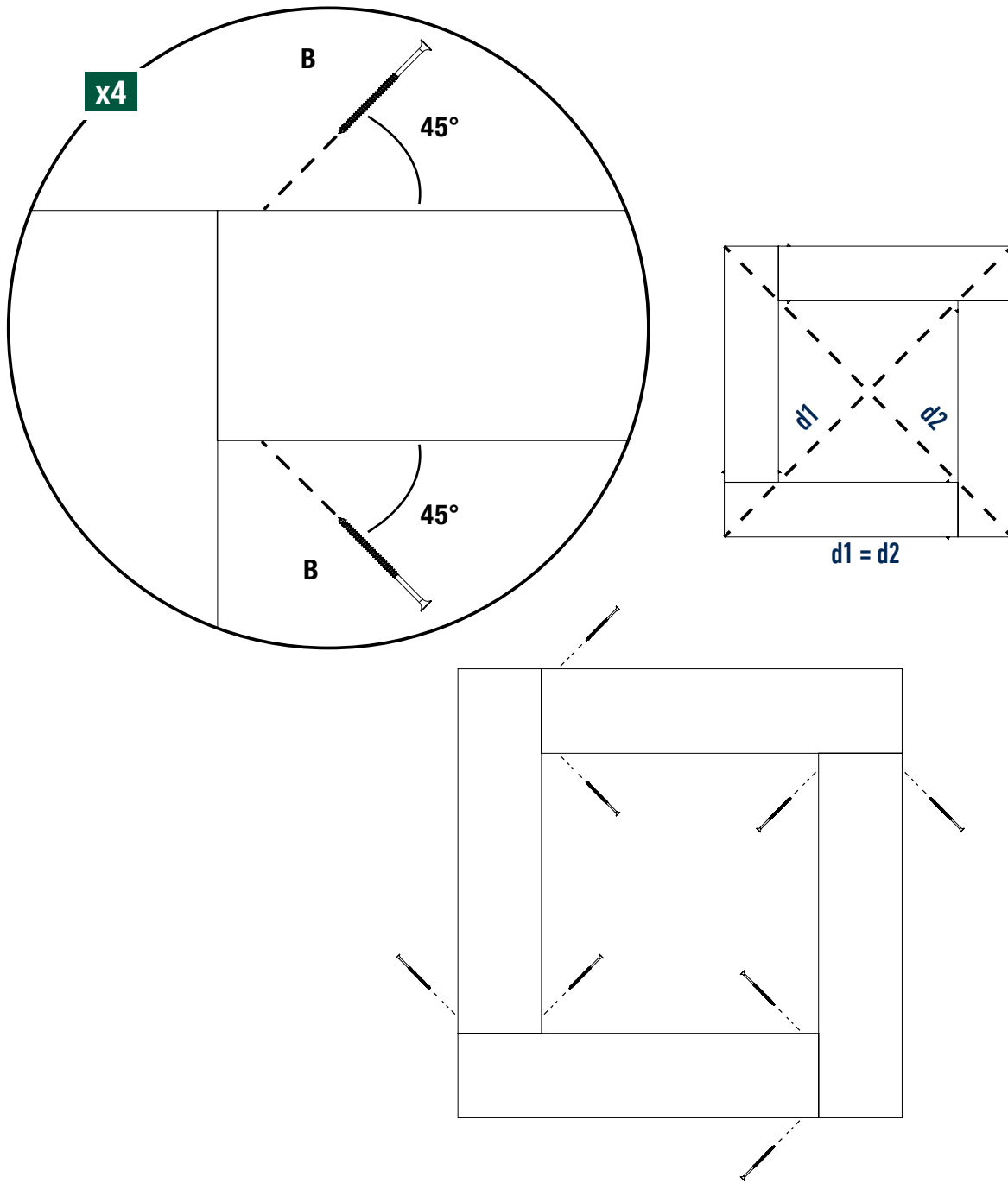
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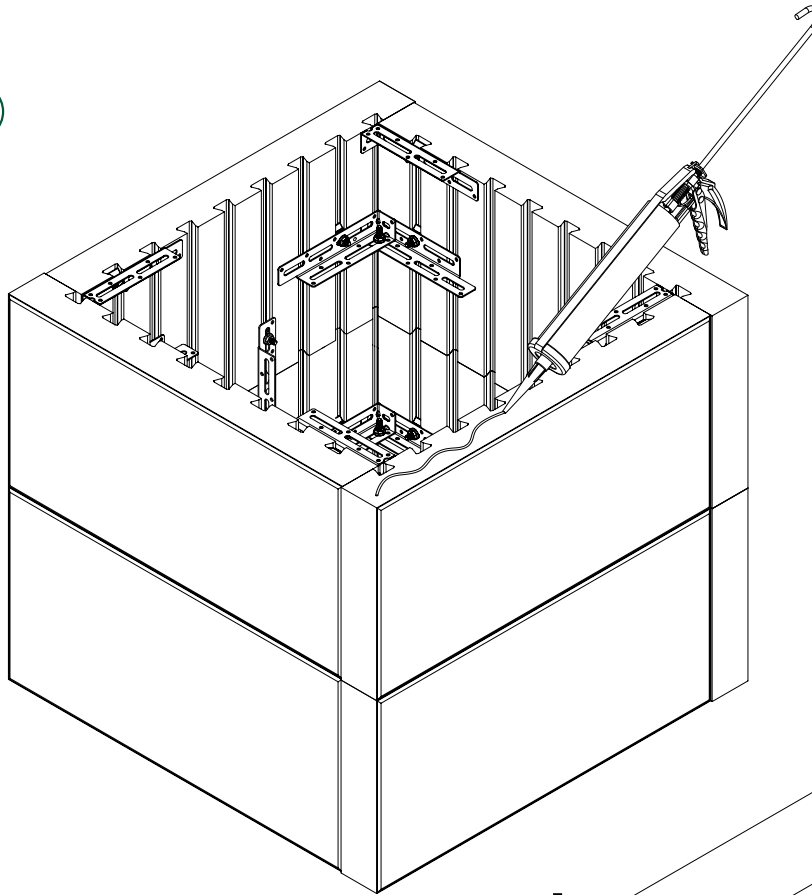
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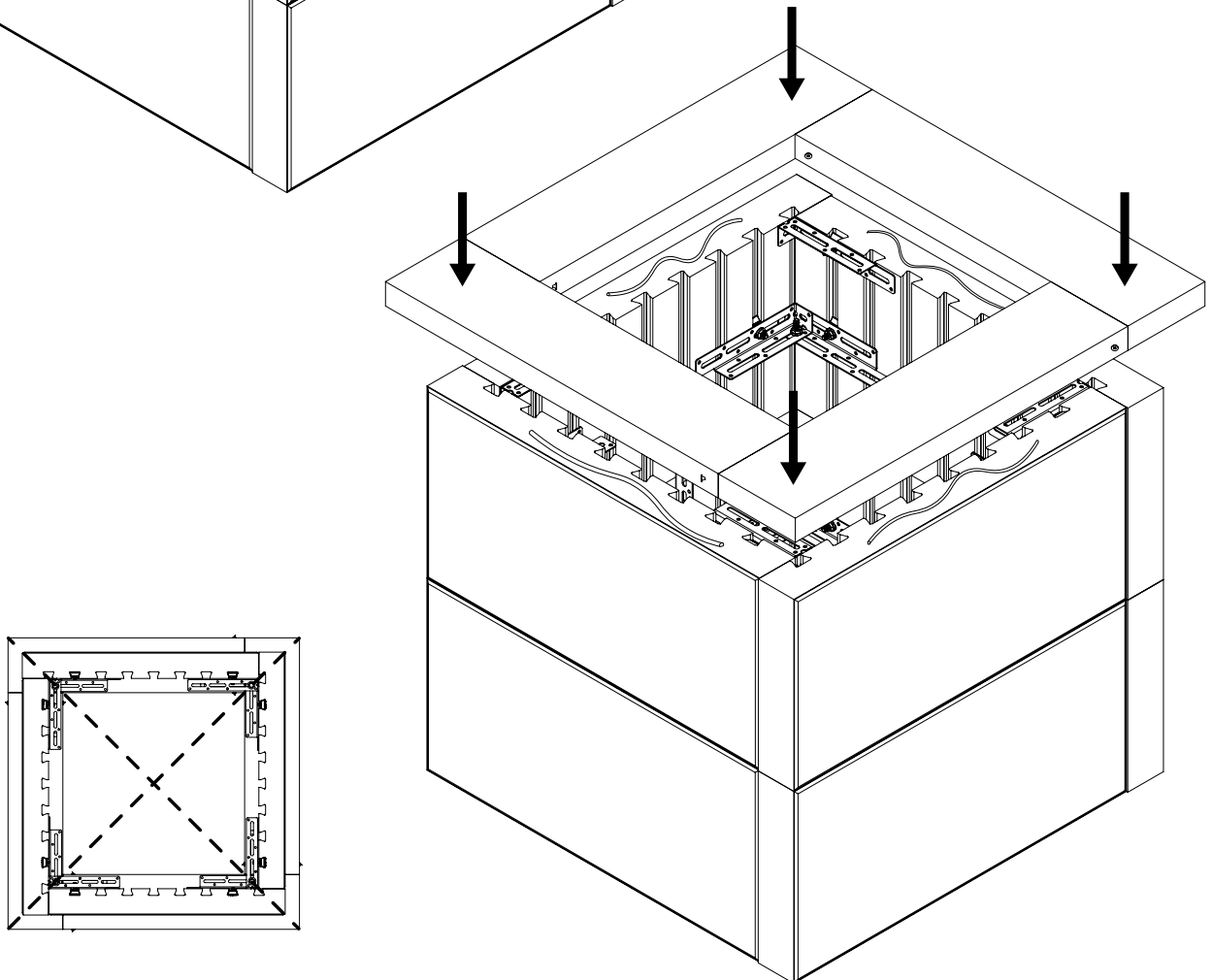
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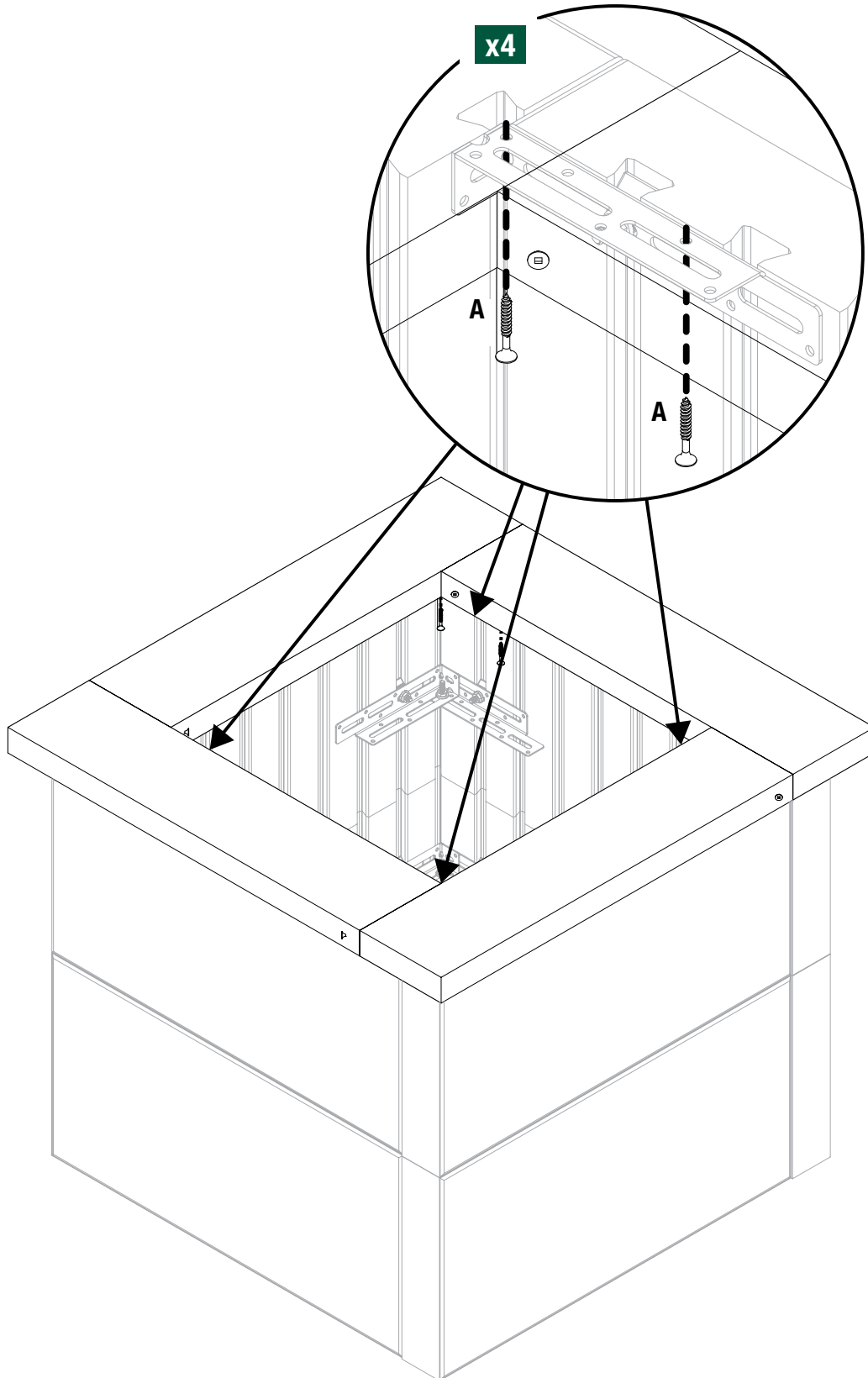
14



15



16



# DESIGNFORMS™

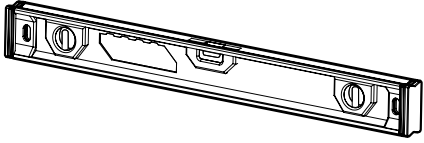
3 ft Vertical Planter - Wood Top



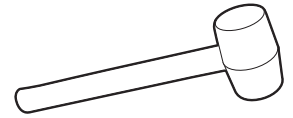
## REQUIRED TOOLS

---

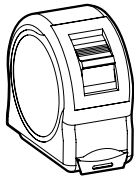
Level



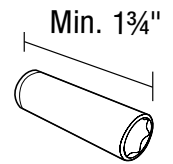
Rubber Mallet



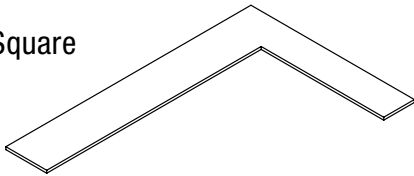
Measuring Tape



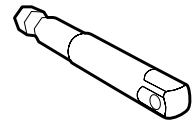
Deep Hex Socket  
7/16" with 1/4" Drive



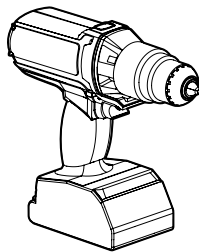
Carpenter Square



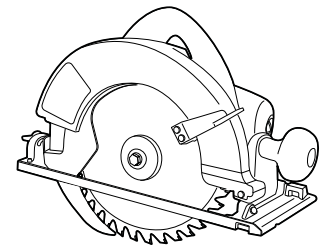
Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill



Skill Saw



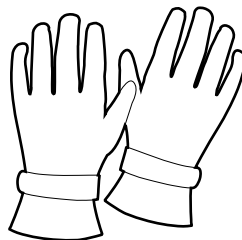
## SAFETY EQUIPMENT

---

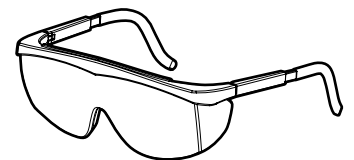
Safety Boots



Gloves



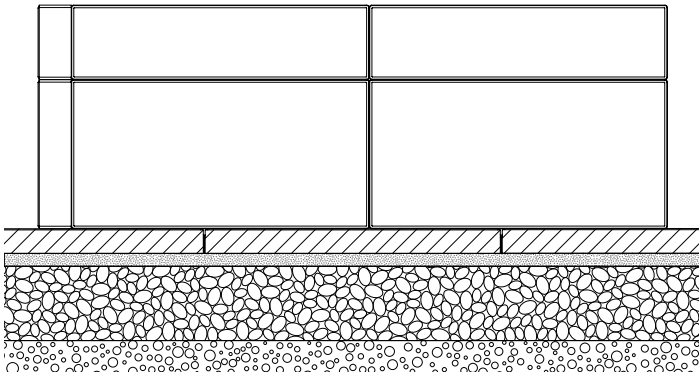
Safety Glasses



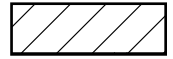
## BASE PREPARATION

*Always level ground before installation*

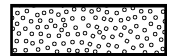
### On new or existing patio



Slab or Paver



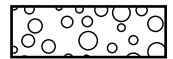
Bedding Sand 1"



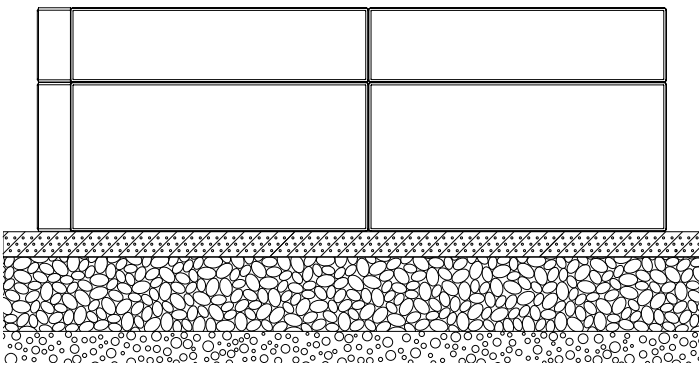
Compacted aggregates 6" - 8"



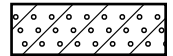
Soil



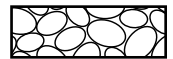
### On poured concrete



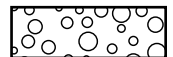
Reinforced Poured Concrete Foundation 2"



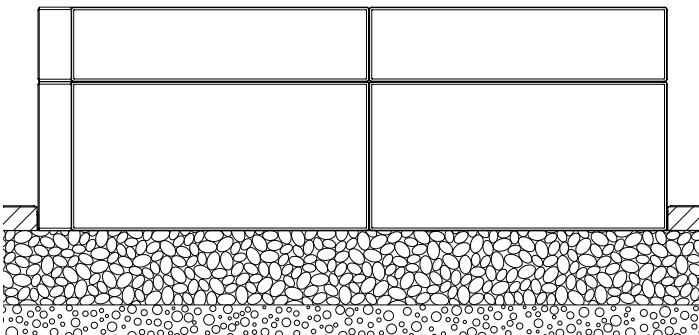
Compacted aggregates 6" - 8"



Soil



### On compacted foundation



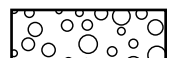
Slab or Paver



Compacted aggregates 6" - 8"



Soil

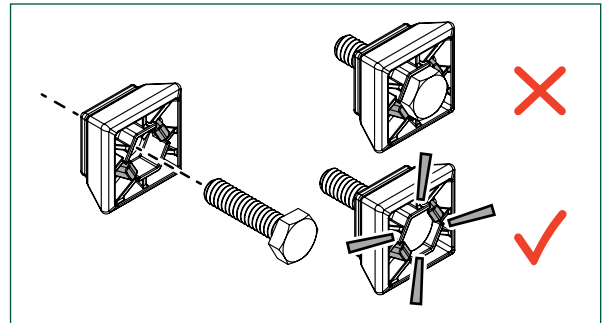


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

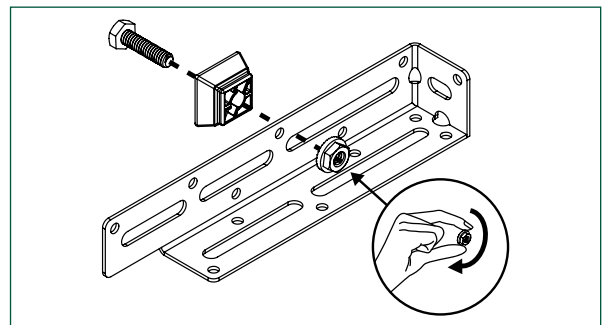
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

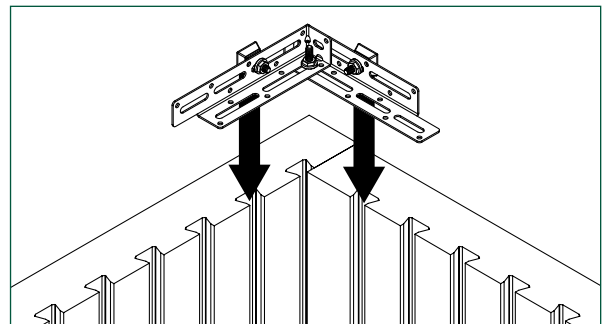
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

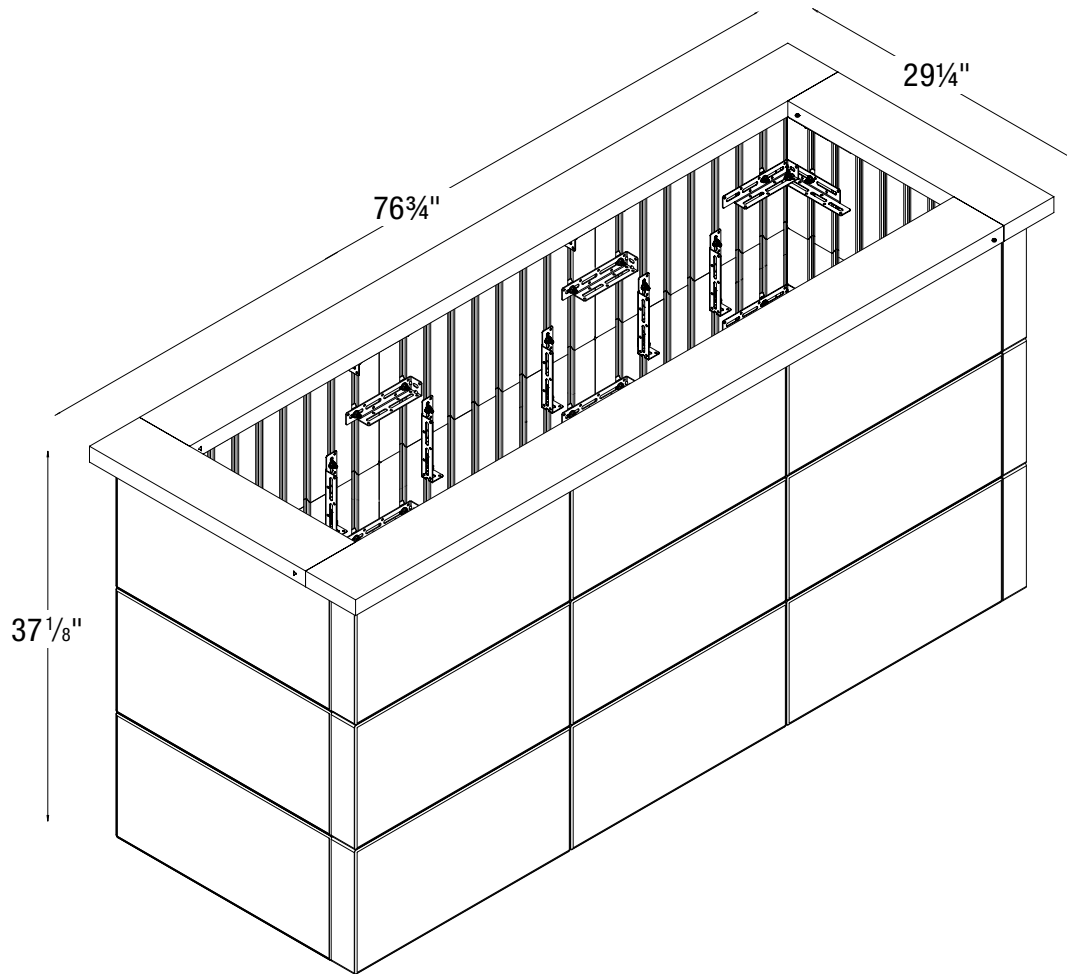
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

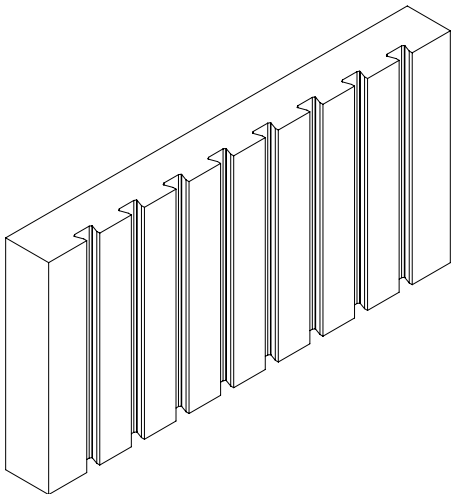
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

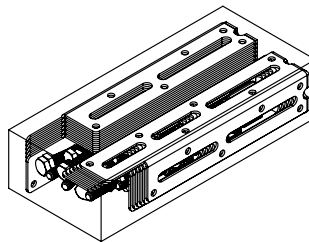


## COMPONENTS

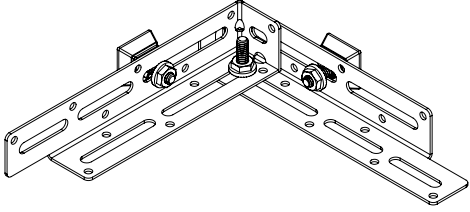
Large Panel (x24)  
12" x 24"



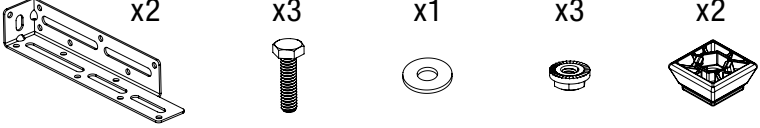
Hardware Kit (x6)



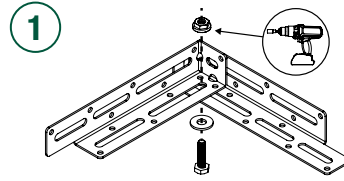
**BRACKET A** x12



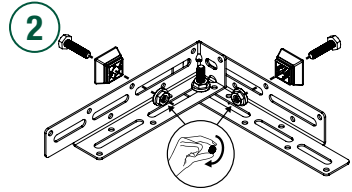
x2      x3      x1      x3      x2



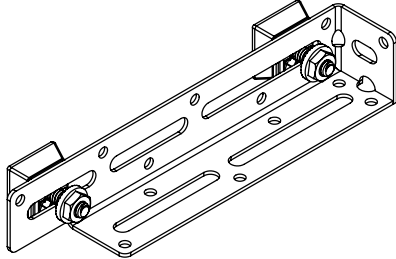
1



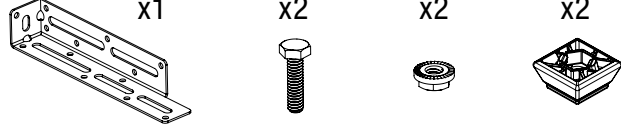
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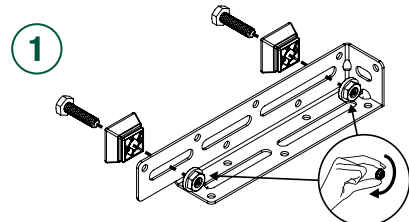
**BRACKET C** x44



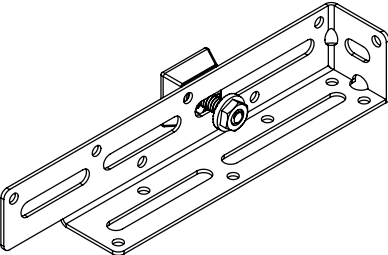
x1      x2      x2      x2



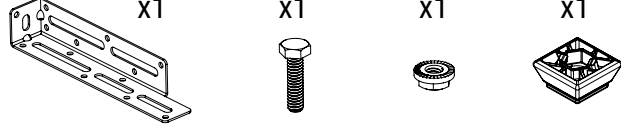
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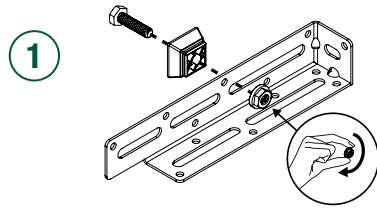
**BRACKET D** x4



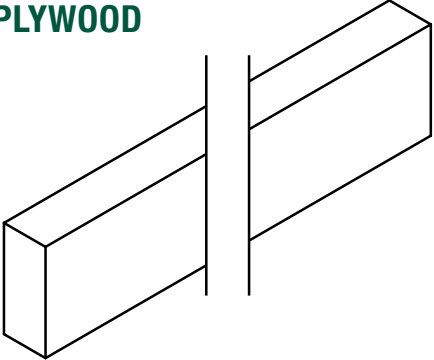
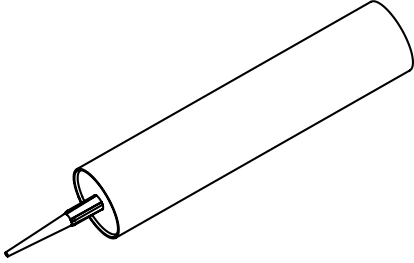
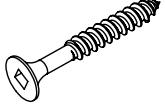

x1      x1      x1      x1



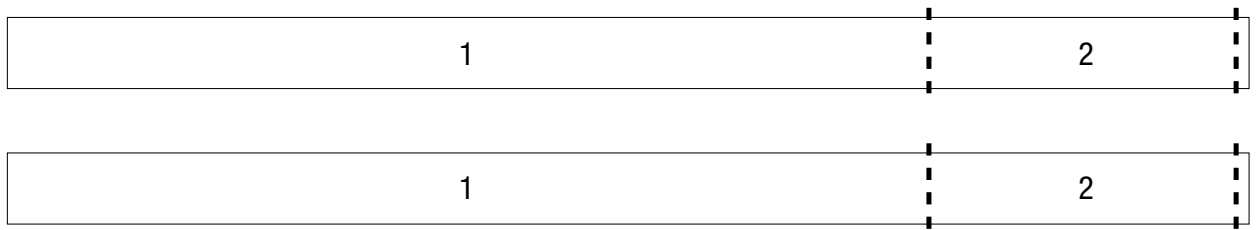
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**ADDITIONAL WOOD CAP COMPONENTS**

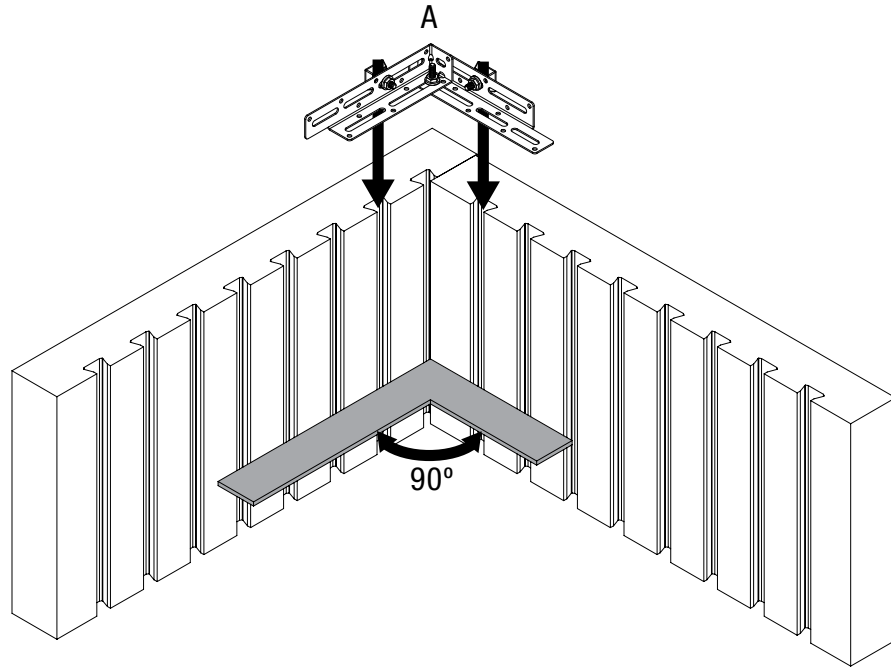
<p><b>2" x 6" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p>  <p><b>x2</b></p>	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p>  <p><b>x1</b></p>	<p><b>A #8 1¼" DECK SCREW</b></p>  <p><b>x16</b></p>
		<p><b>B #8 3" DECK SCREW</b></p>  <p><b>x8</b></p>

**WOOD CUTS**

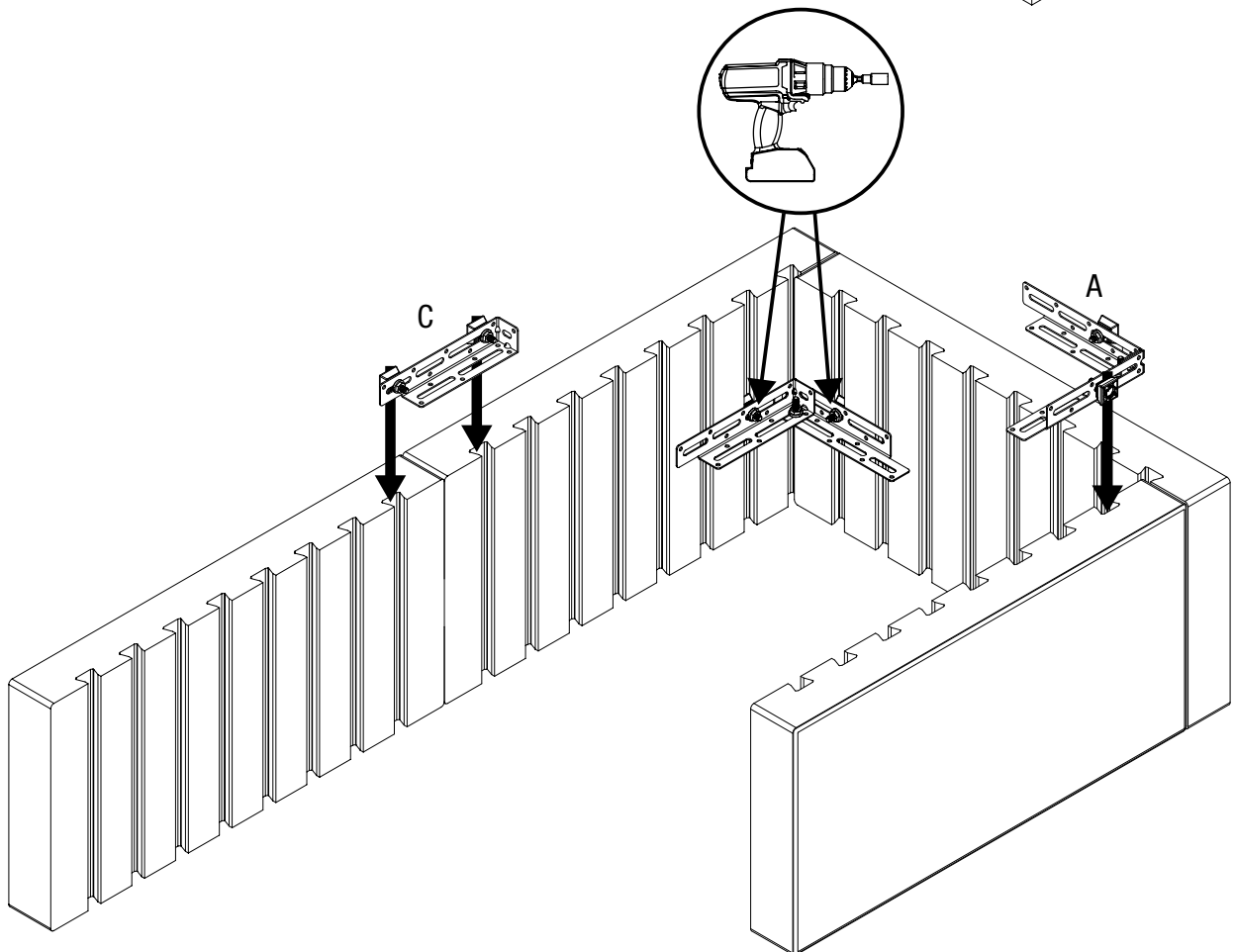


1 = 71¼"    2 = 23¾"

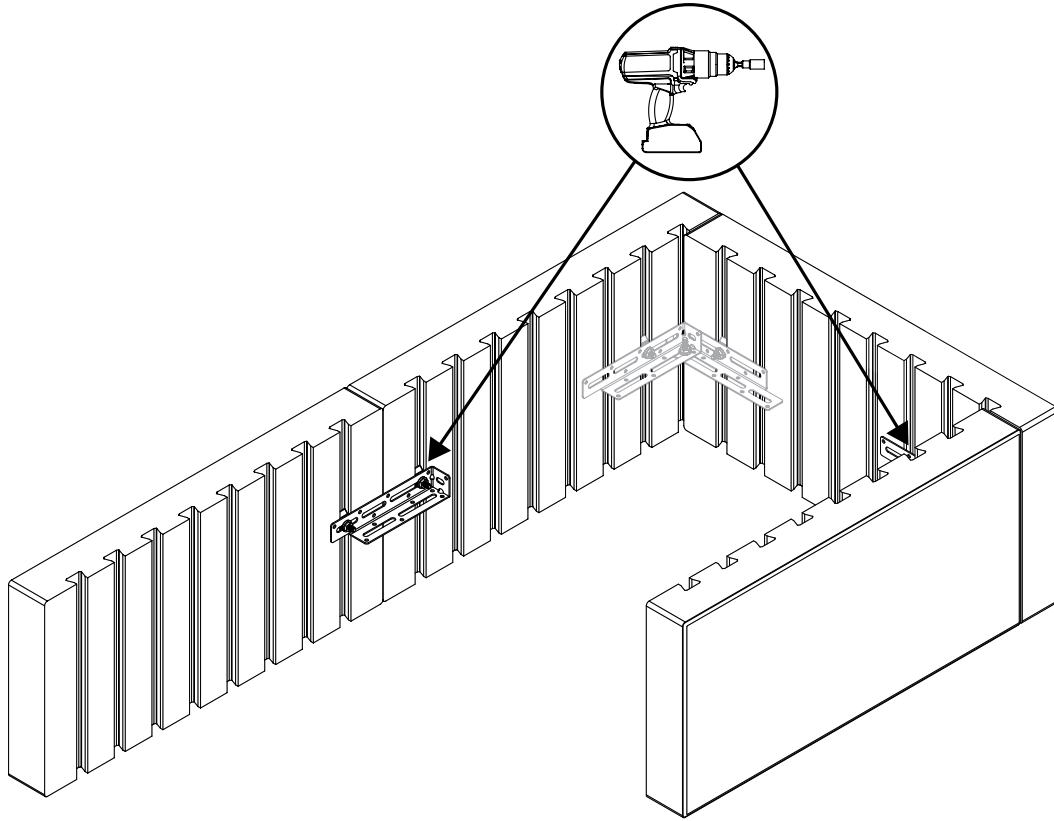
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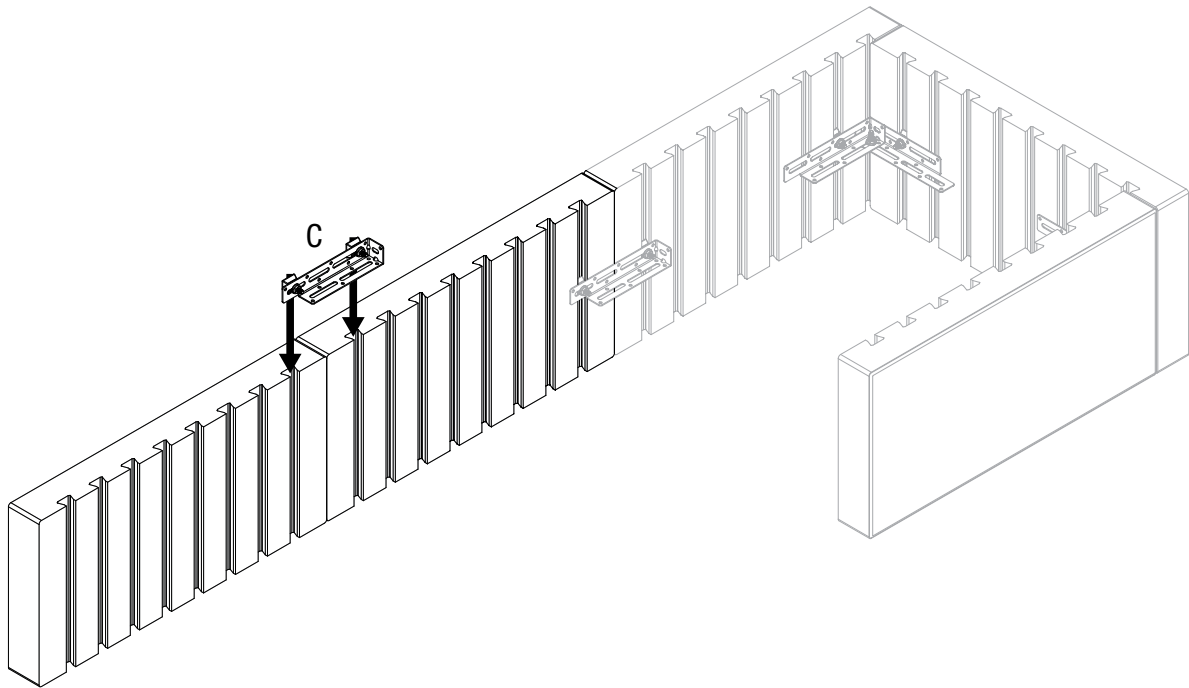
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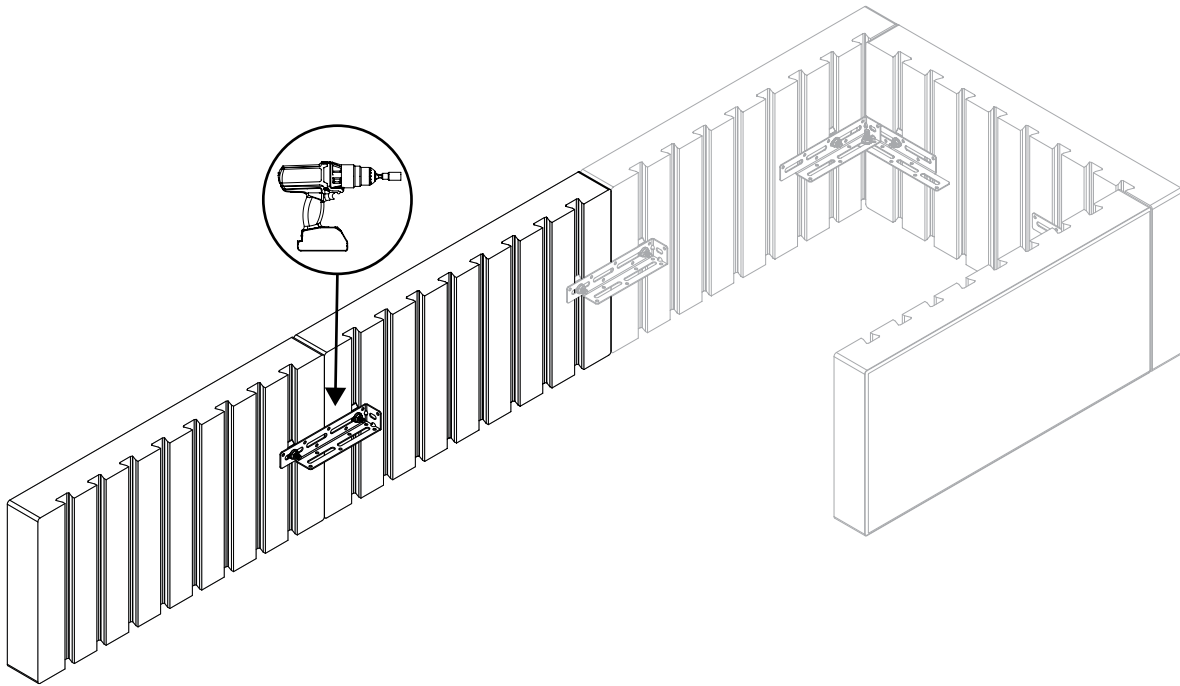
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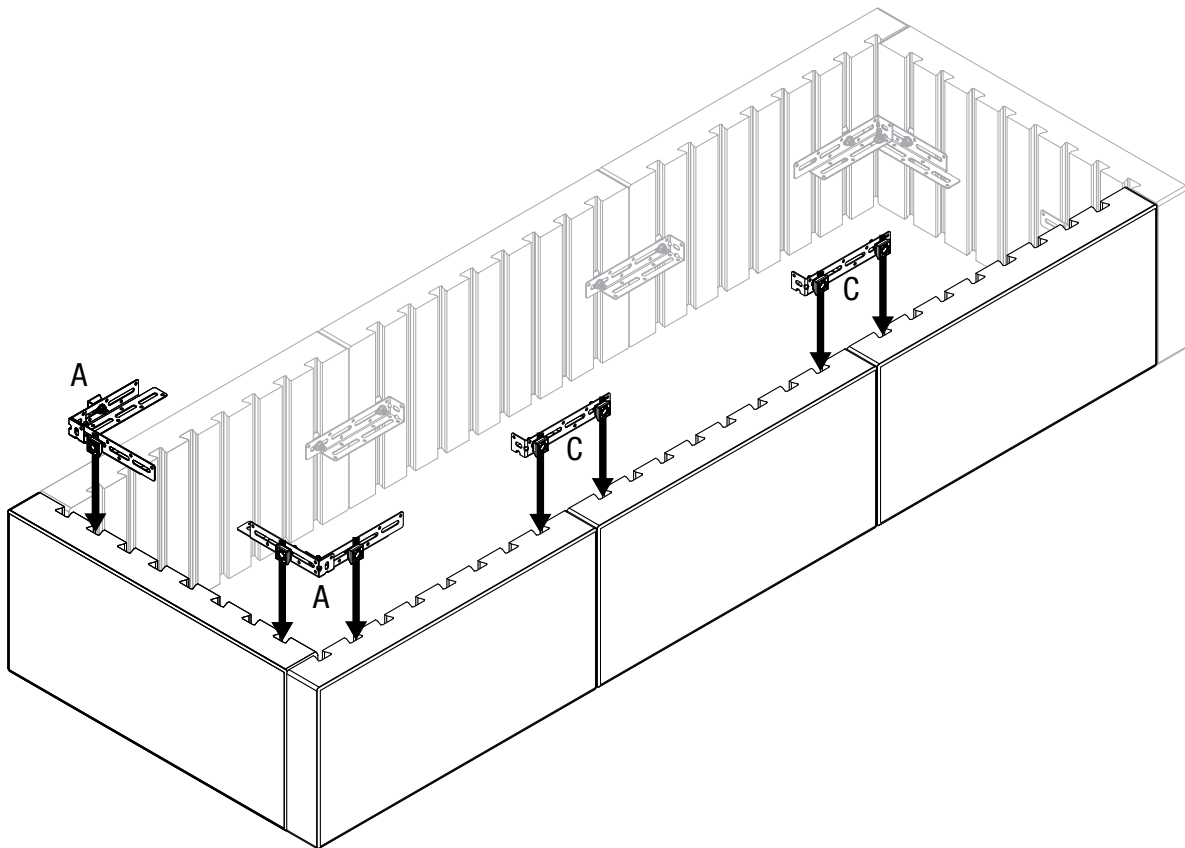
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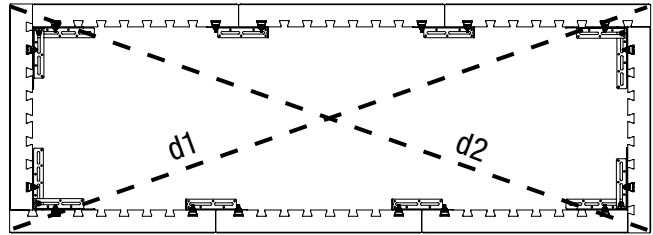
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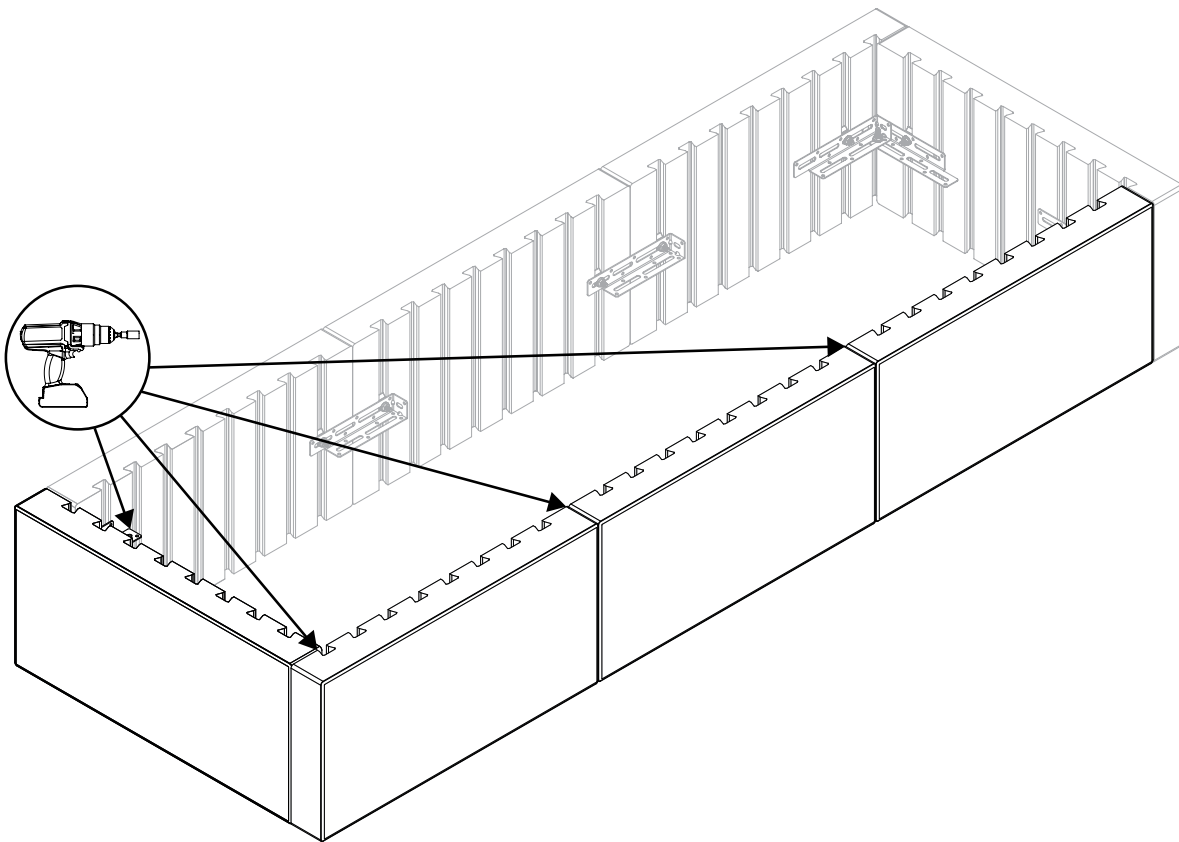
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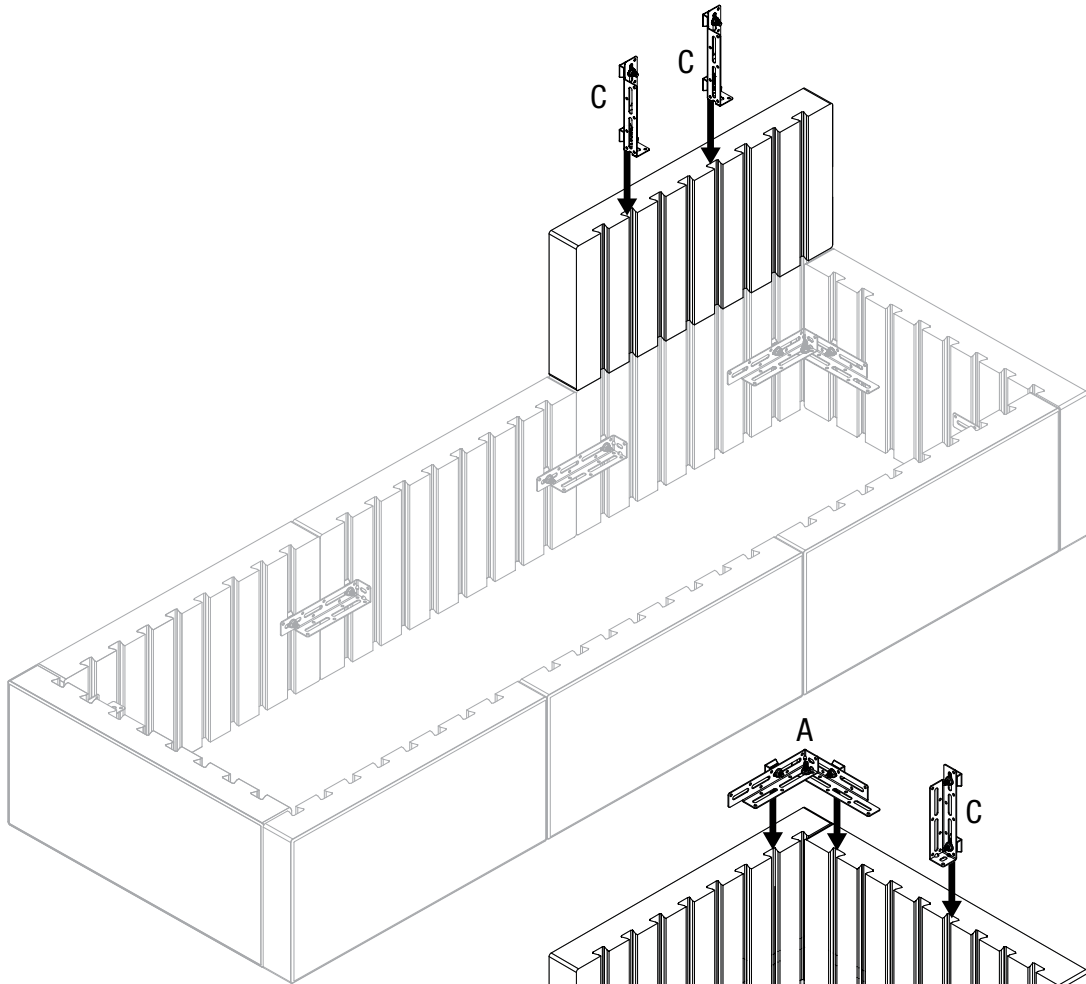
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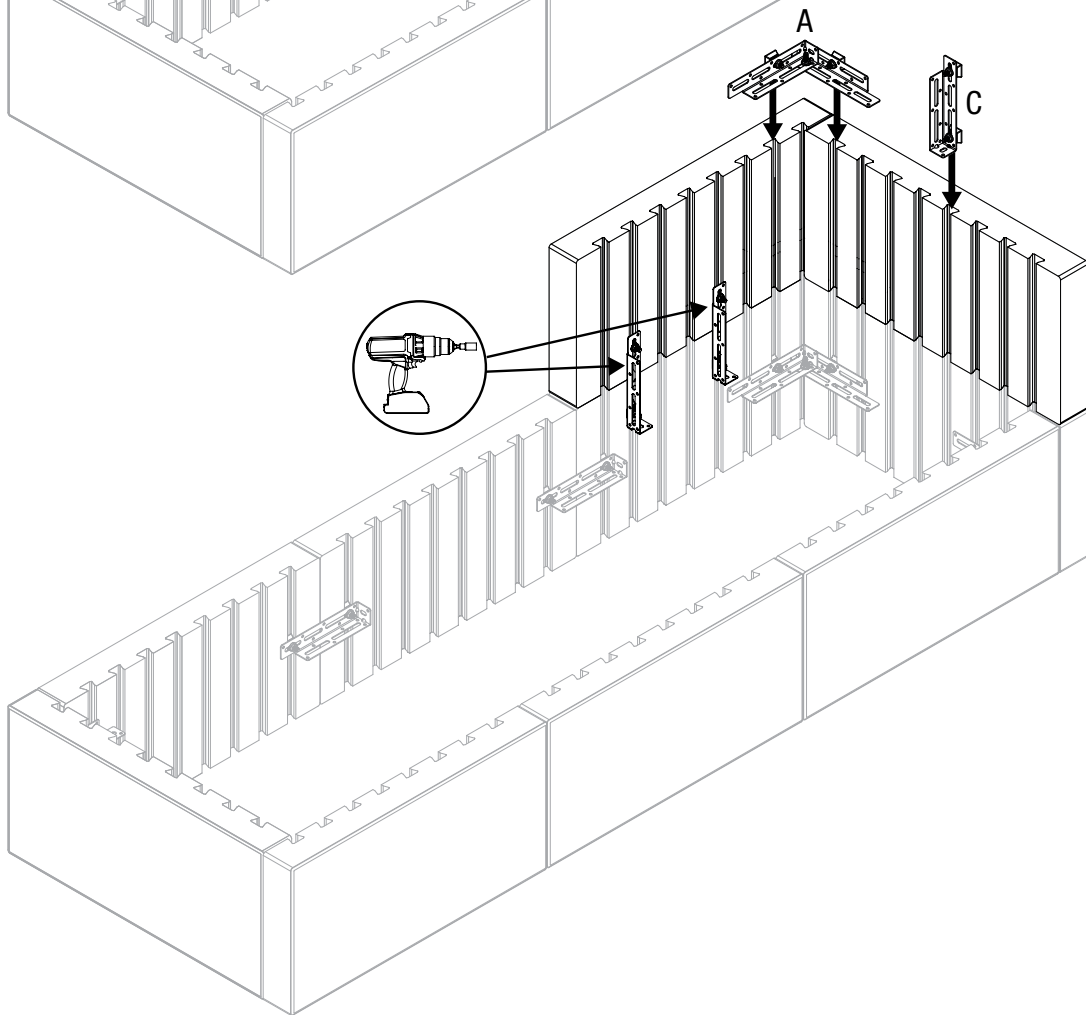
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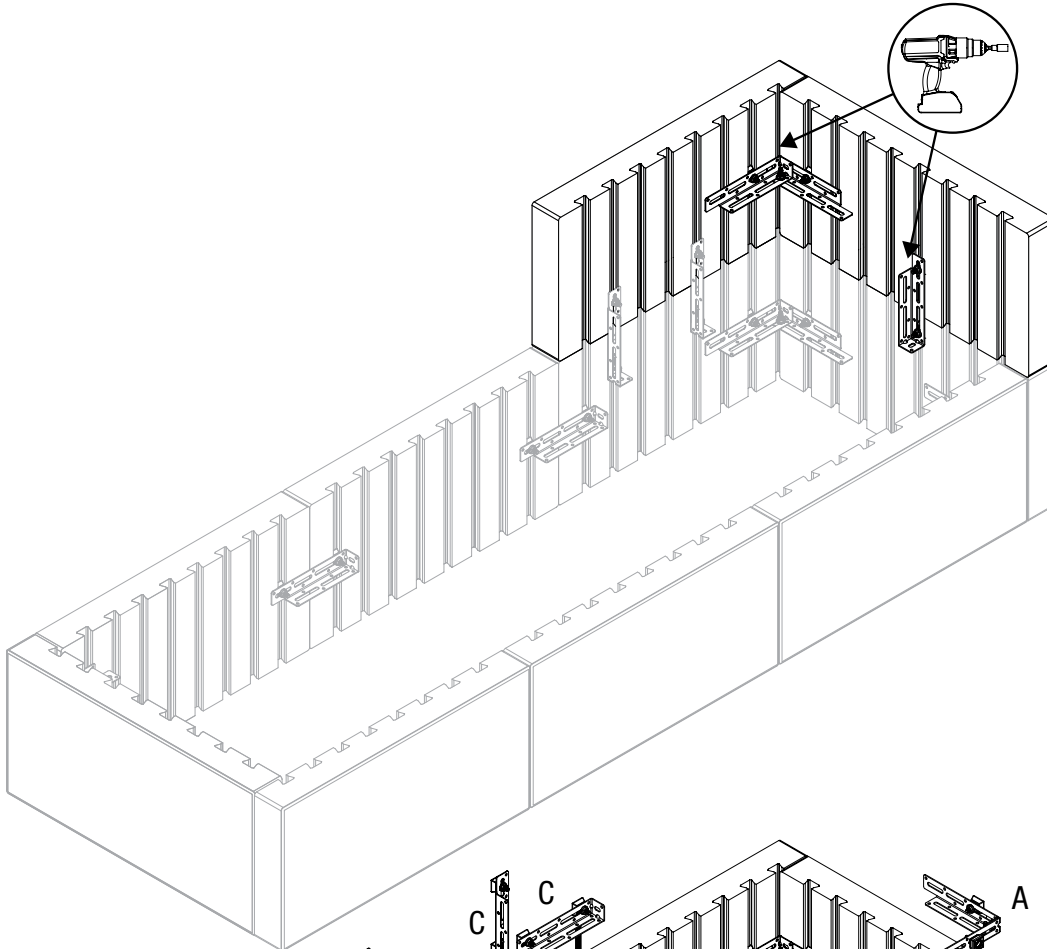
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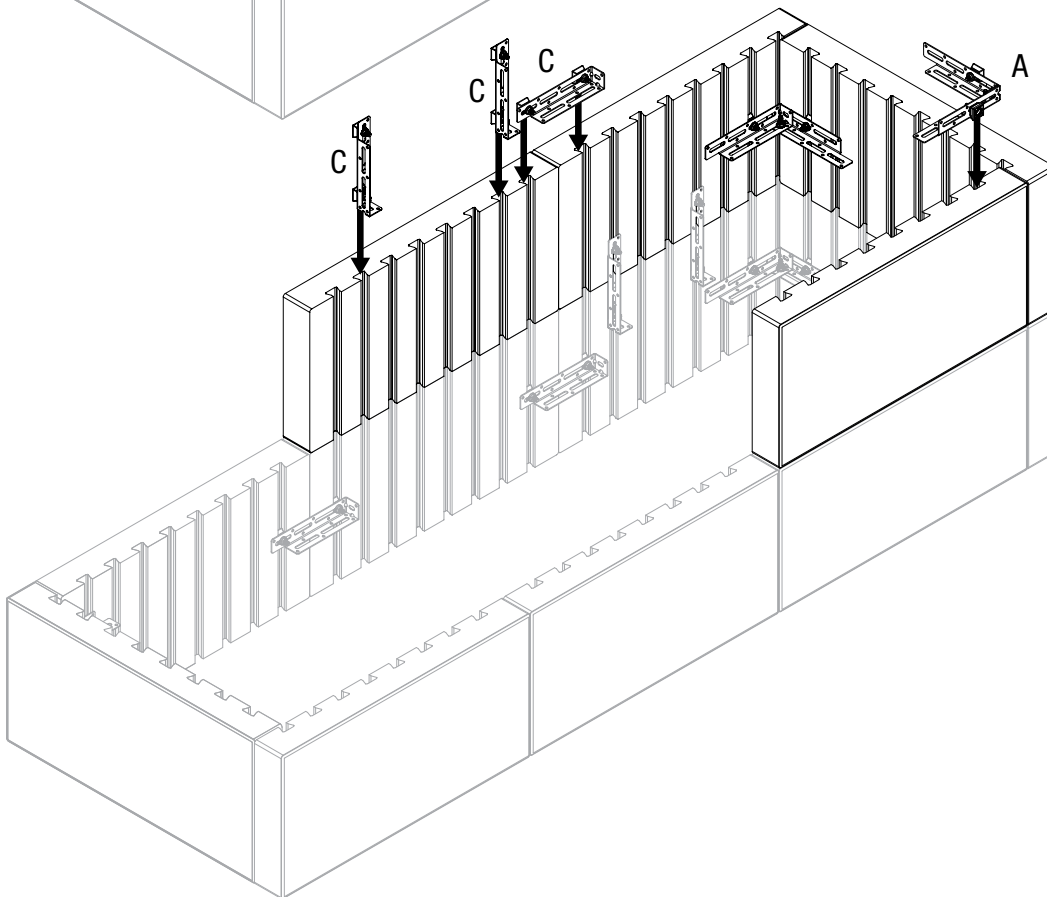
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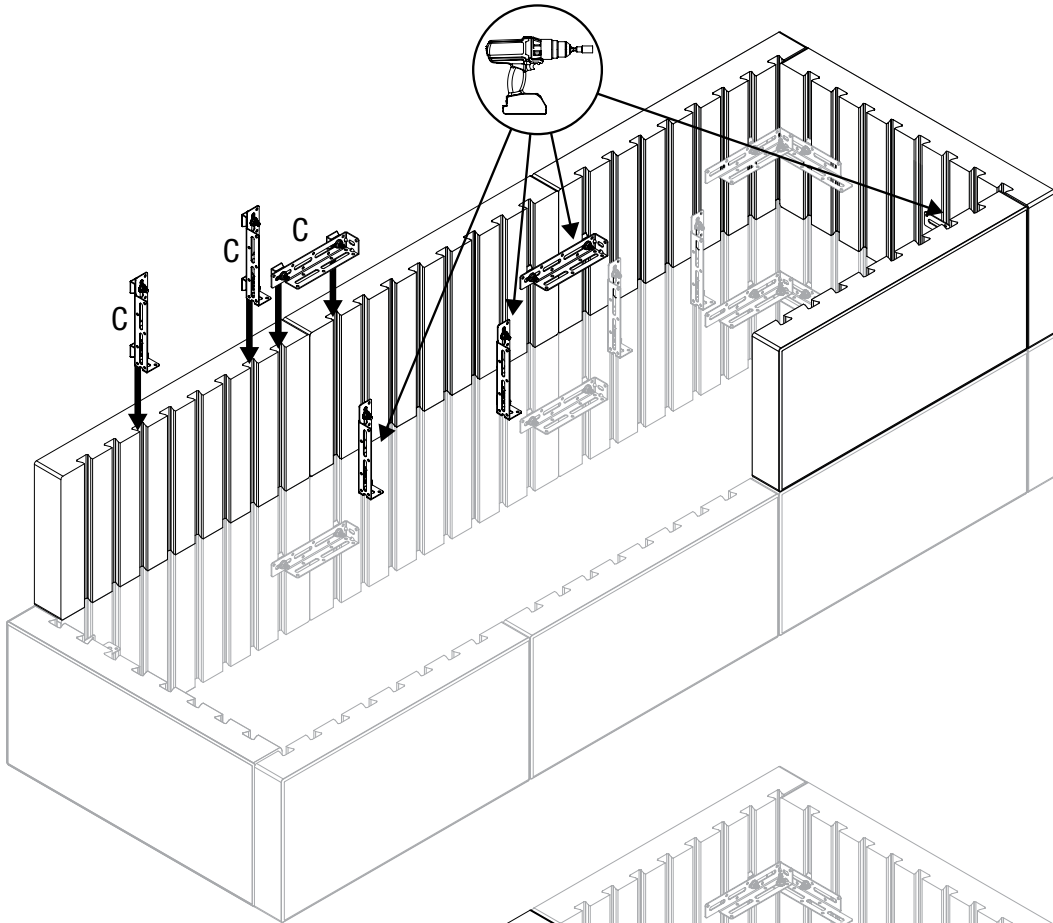
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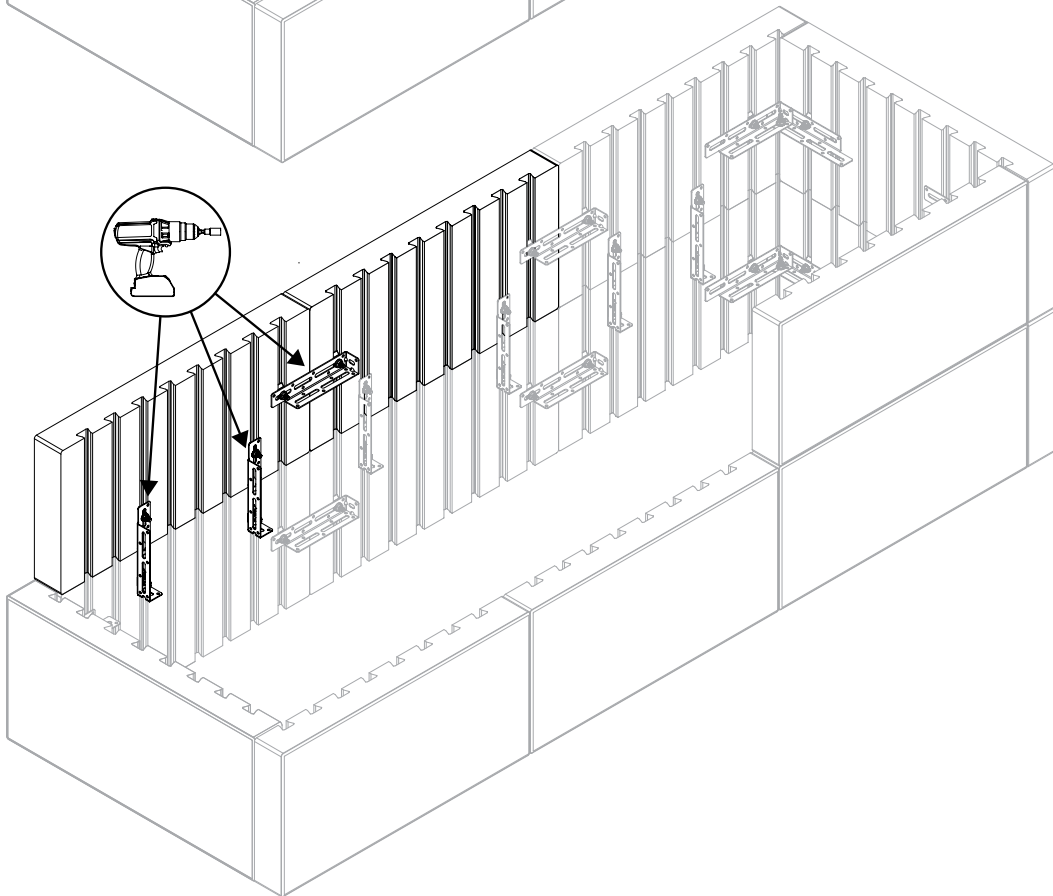
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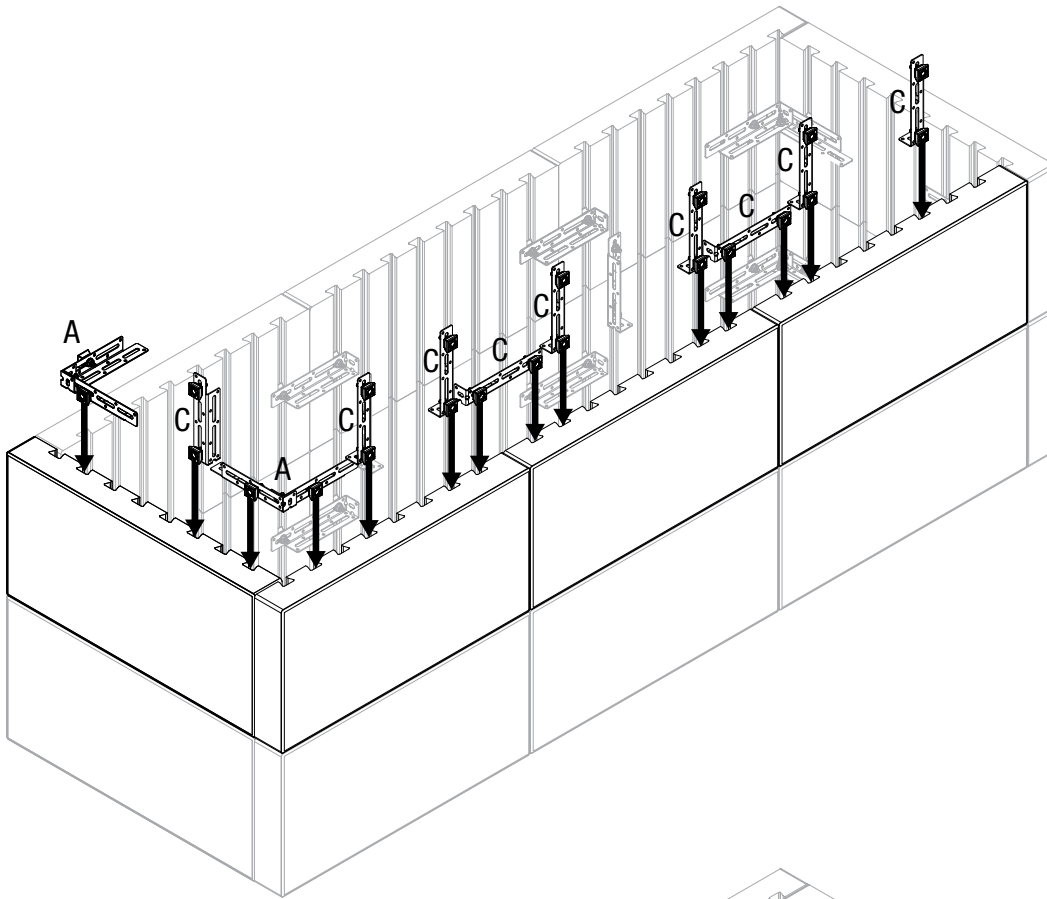
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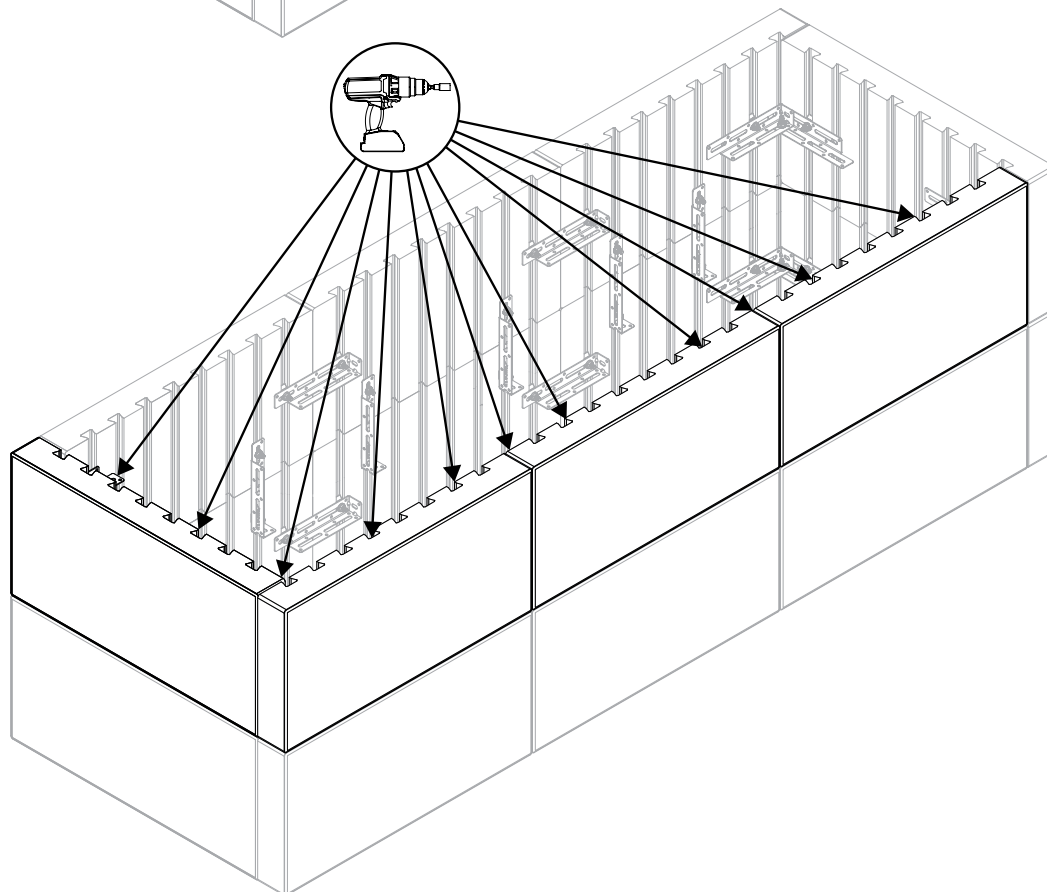
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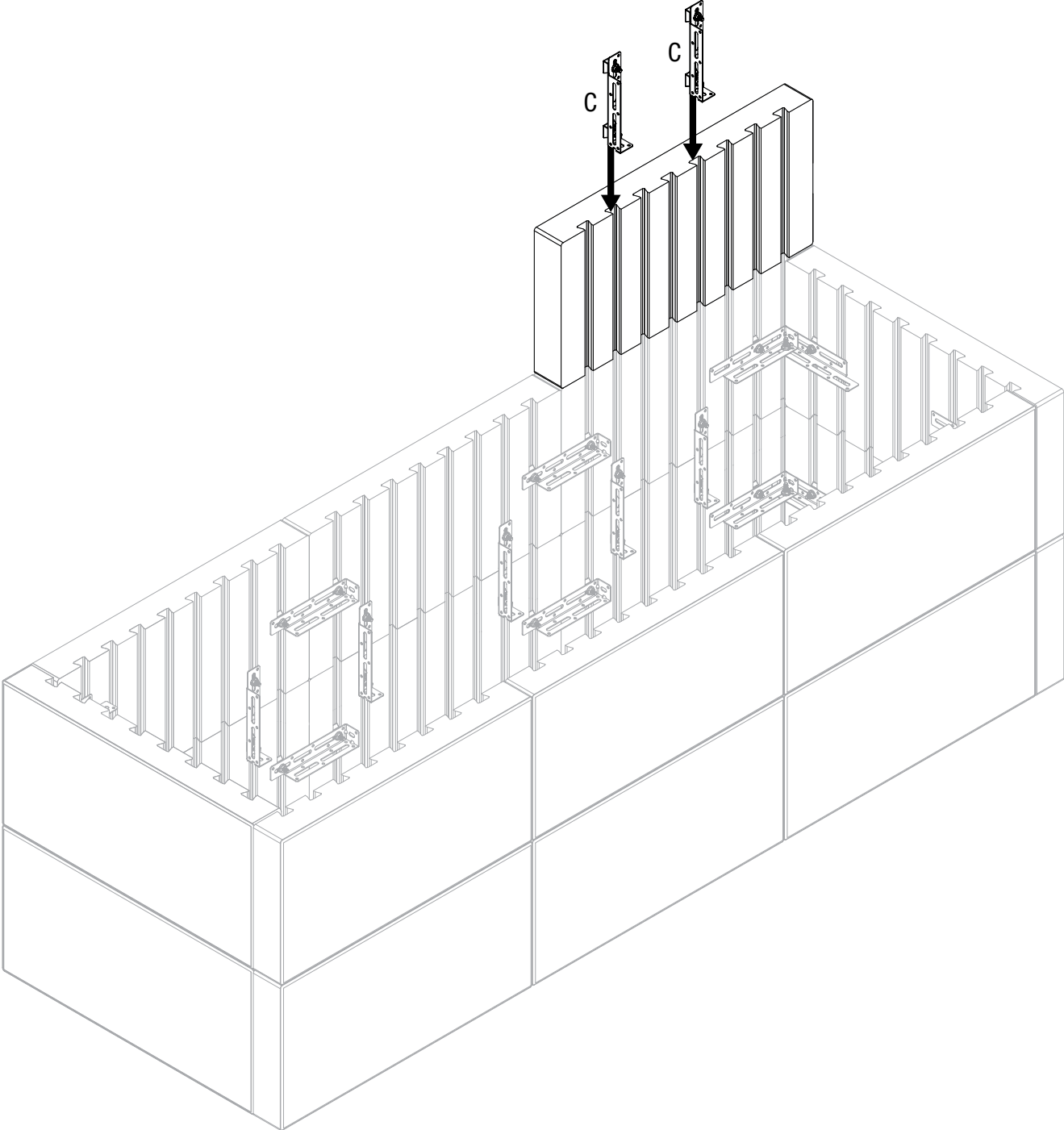
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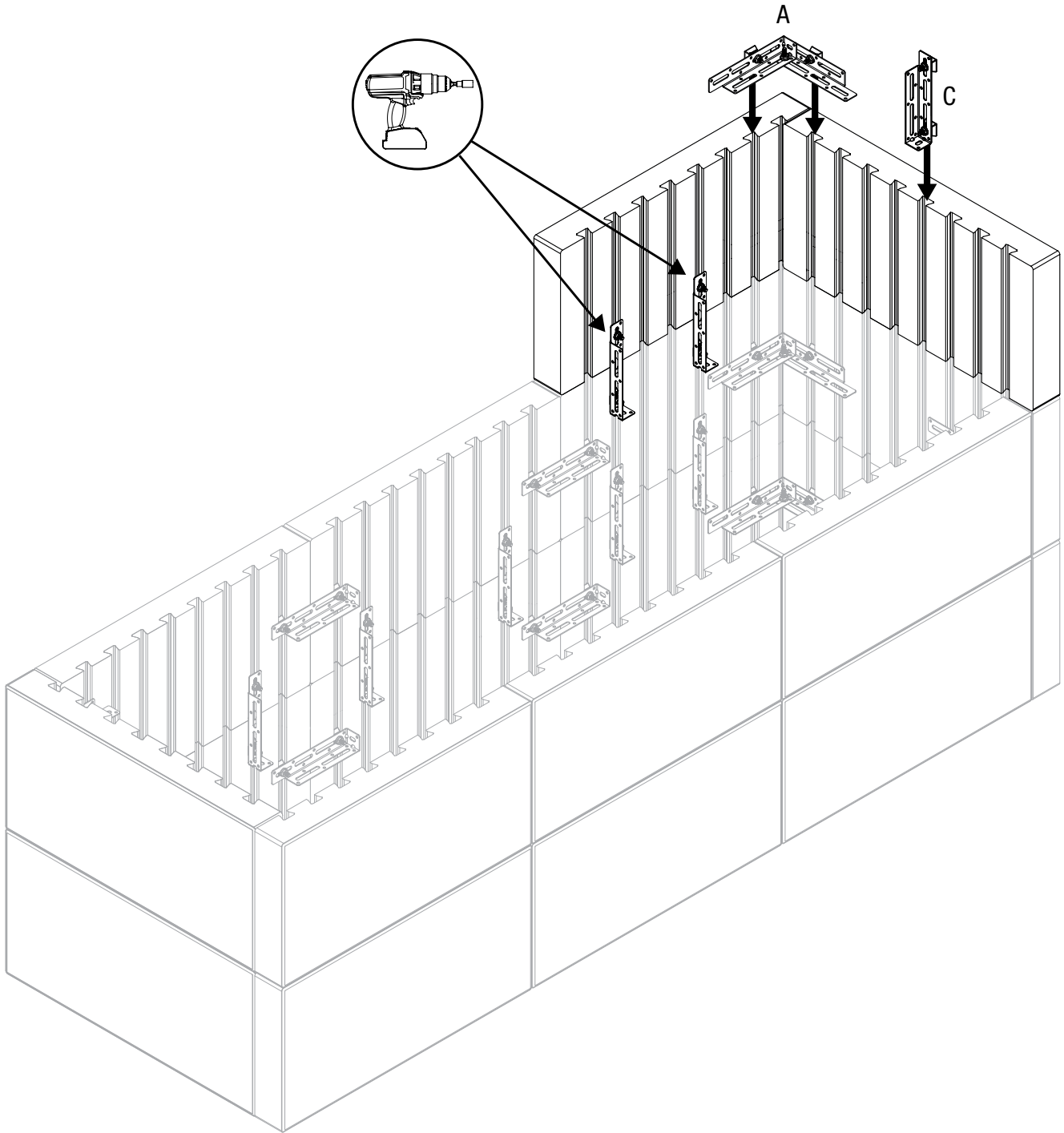
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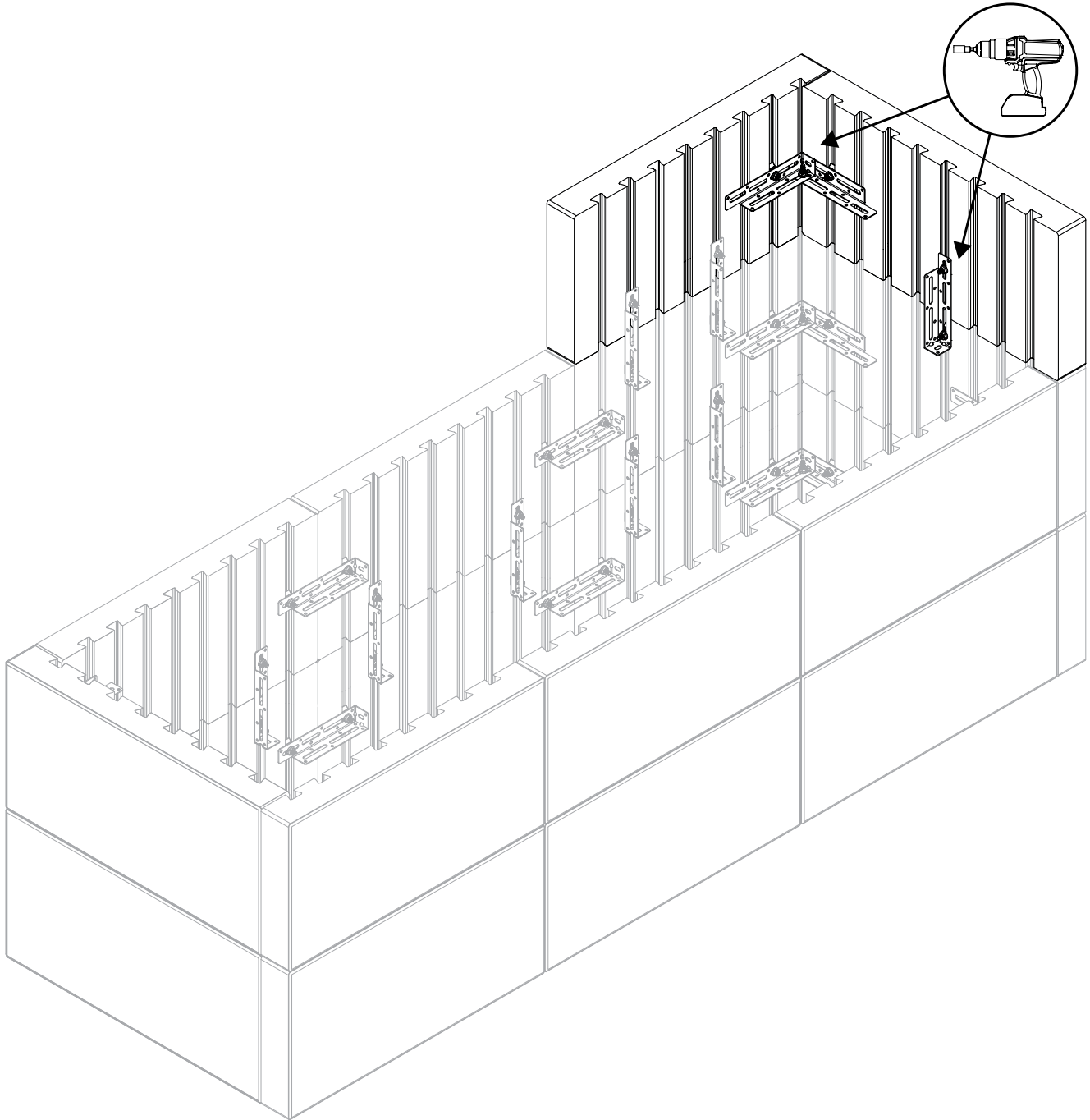
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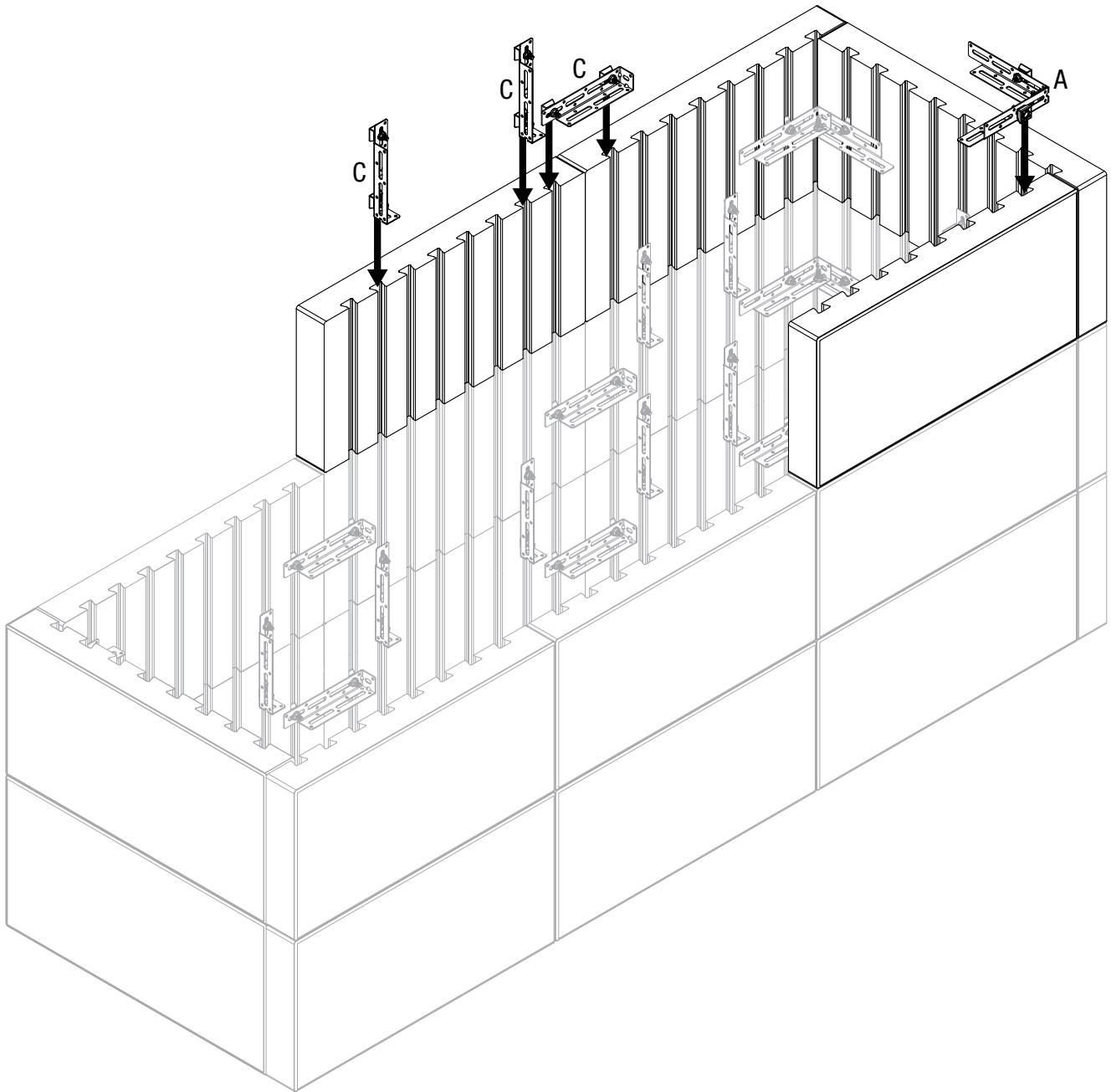
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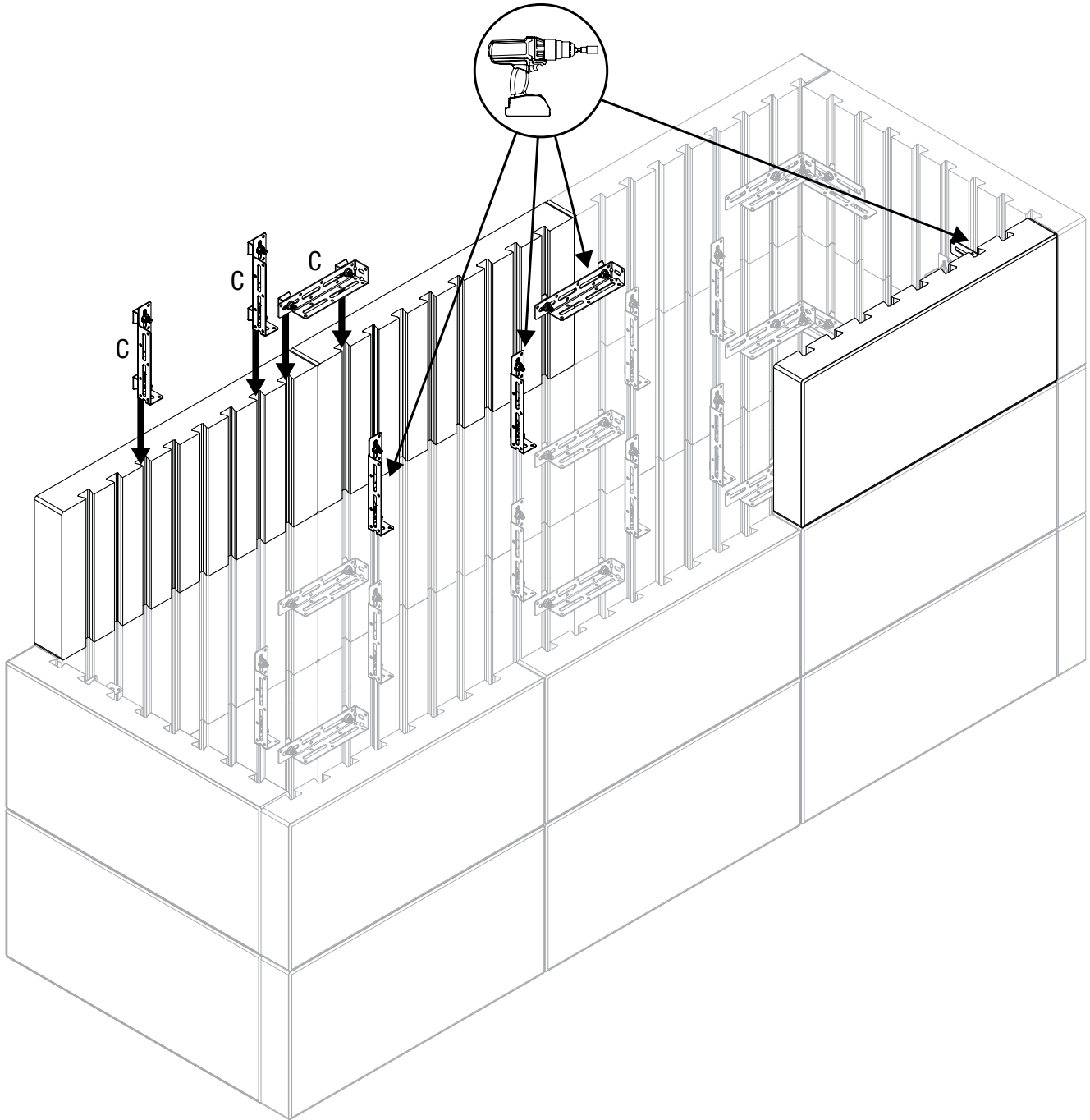
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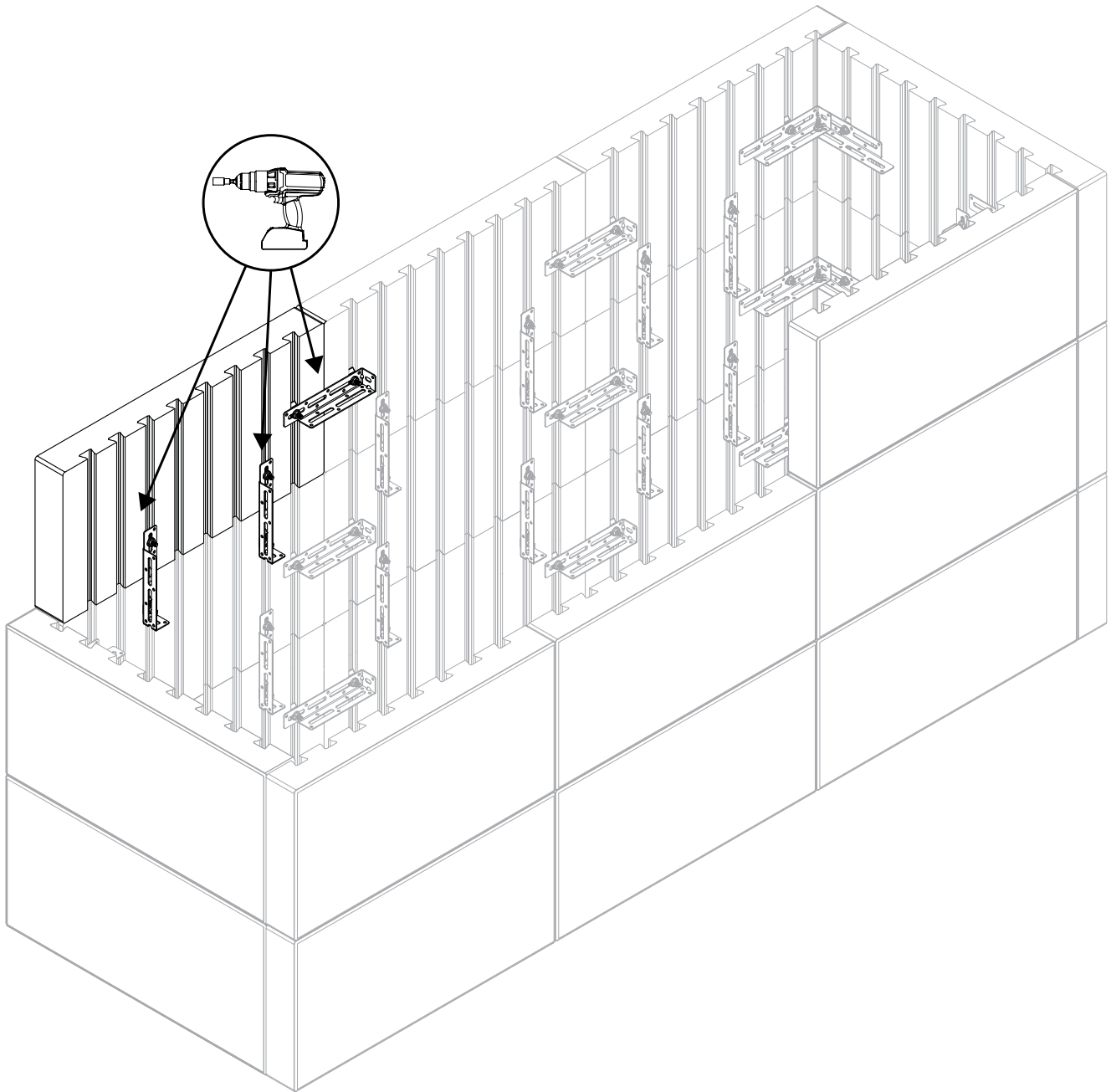
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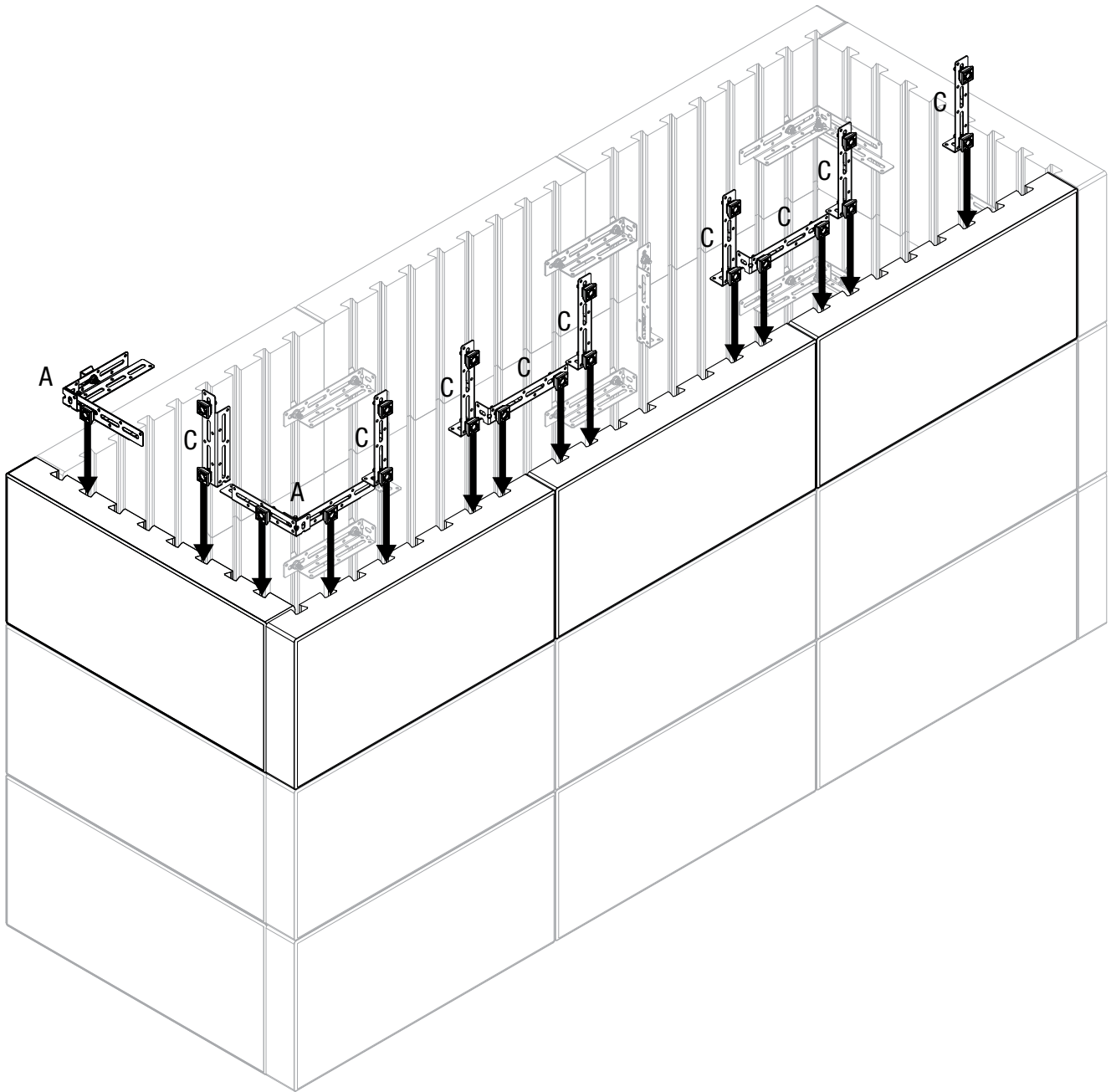
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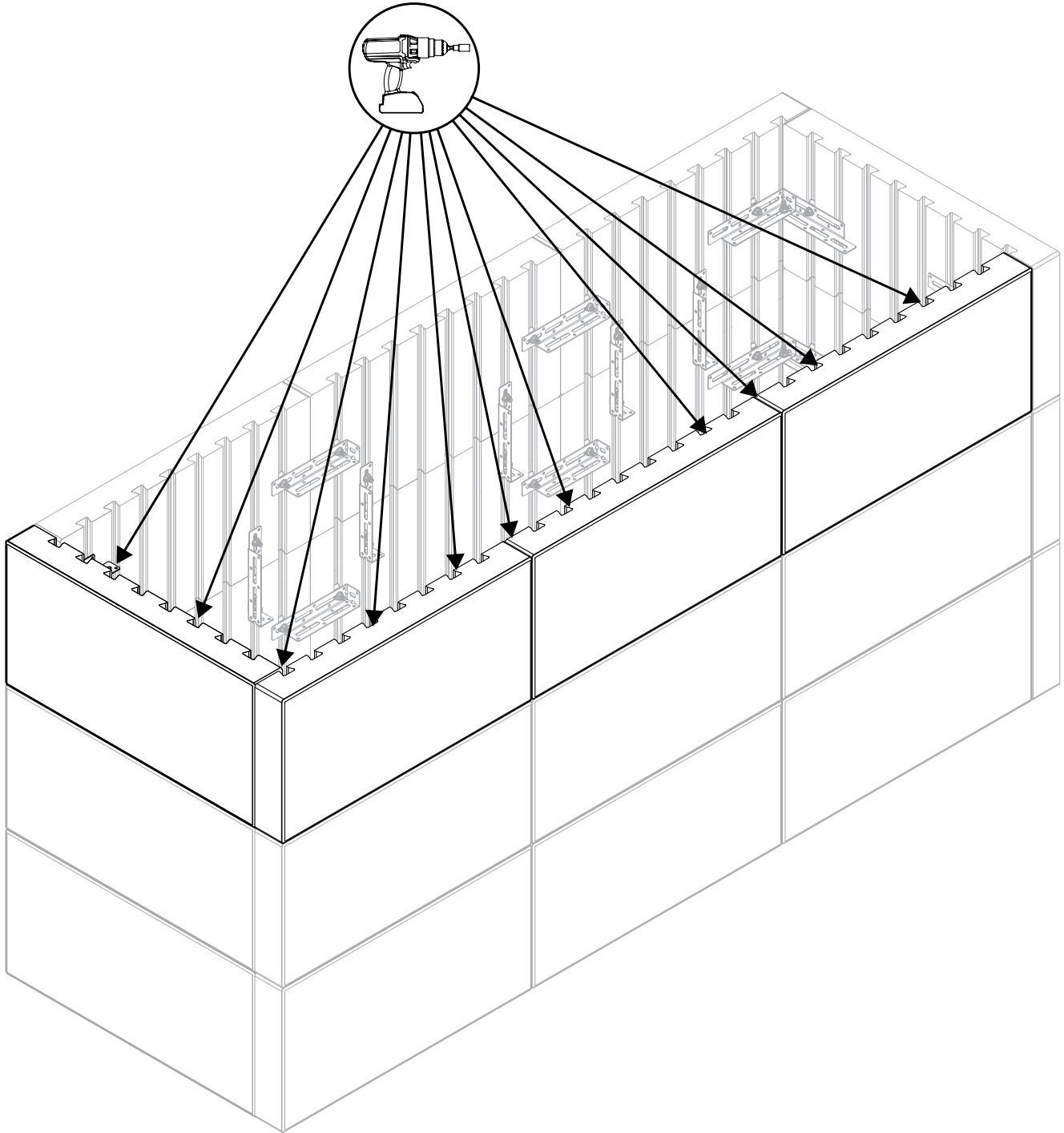
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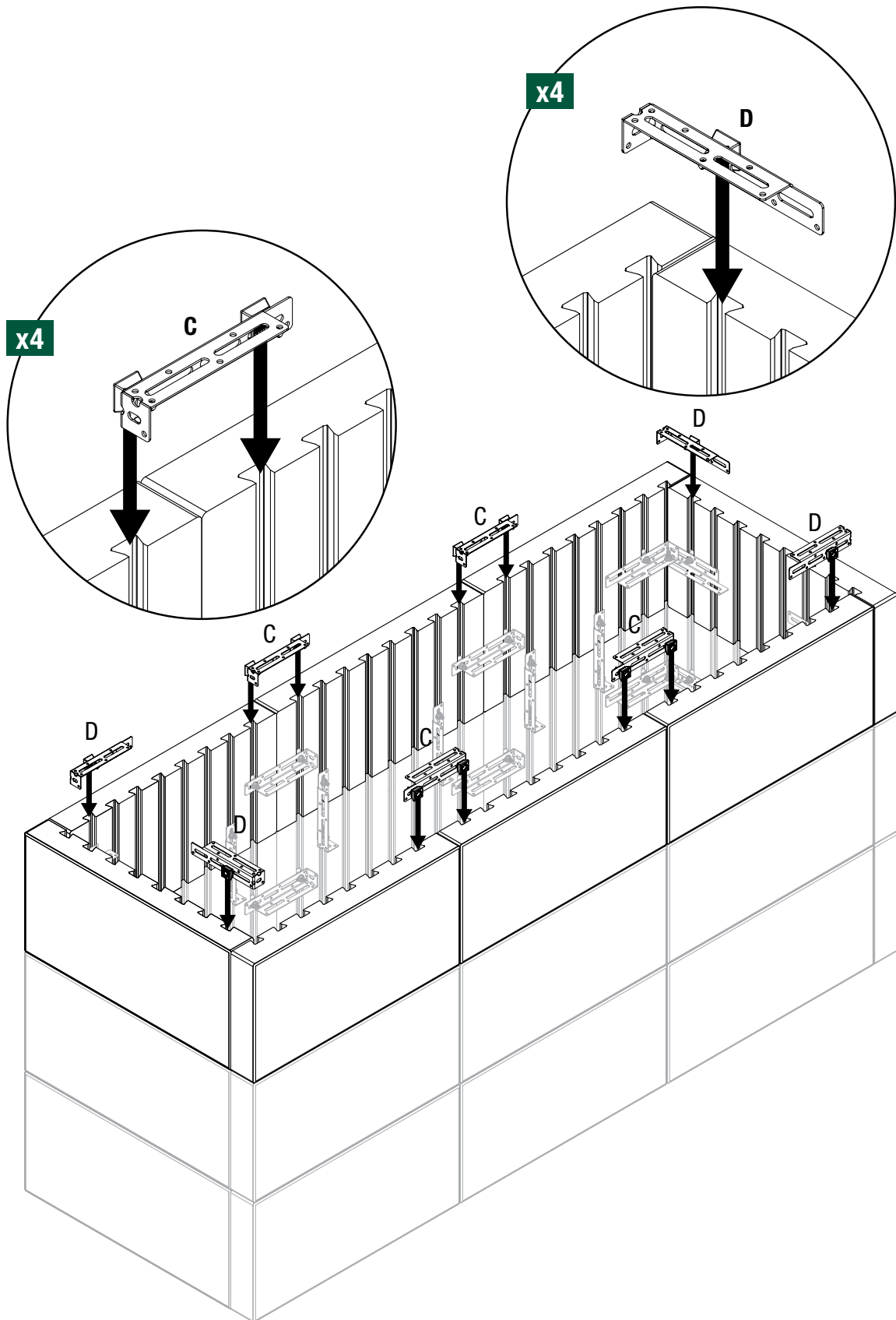
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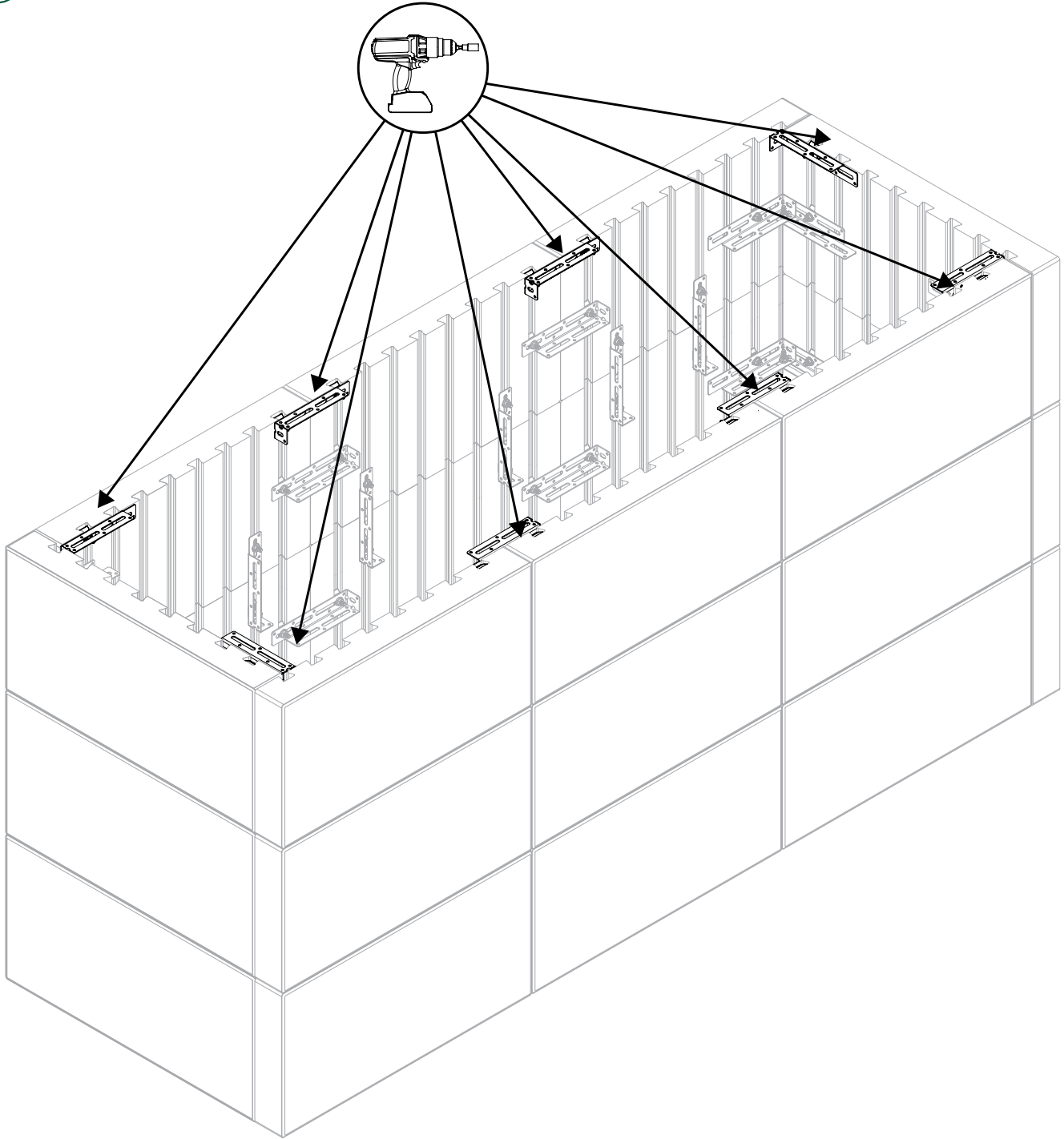
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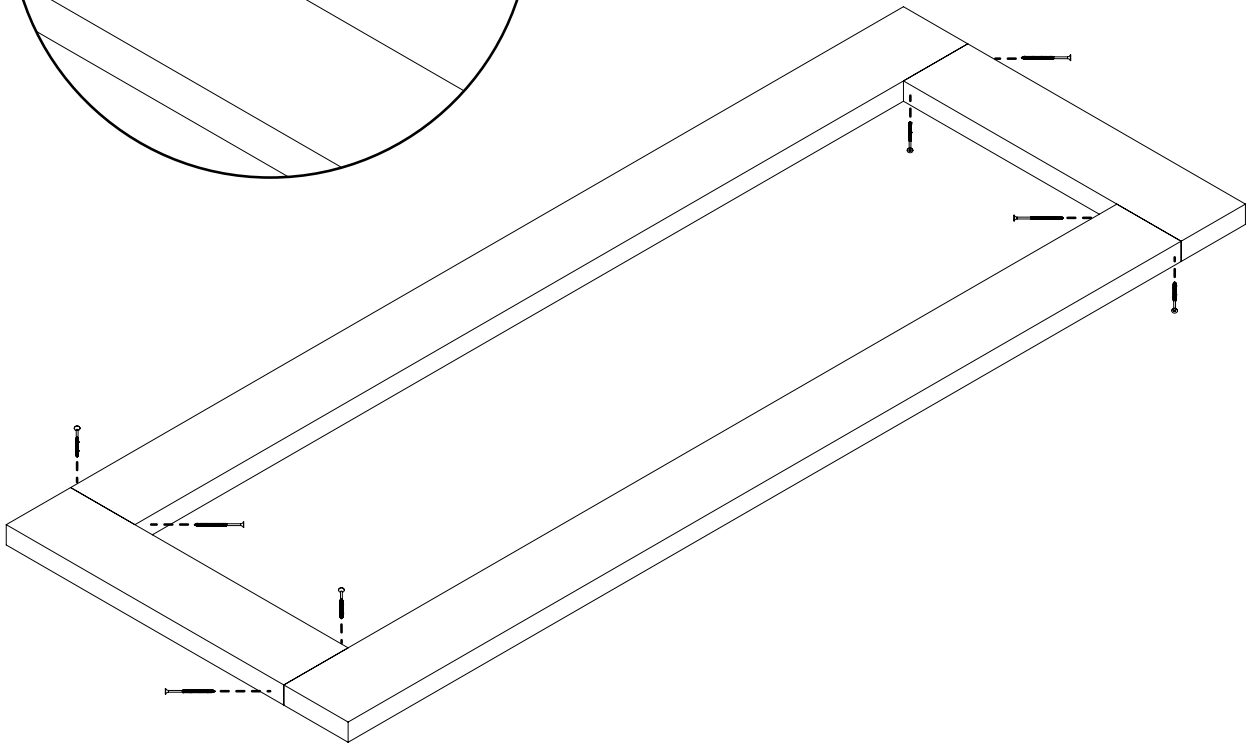
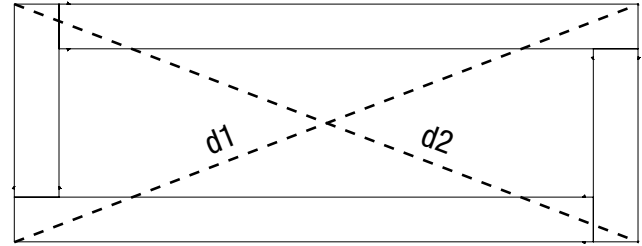
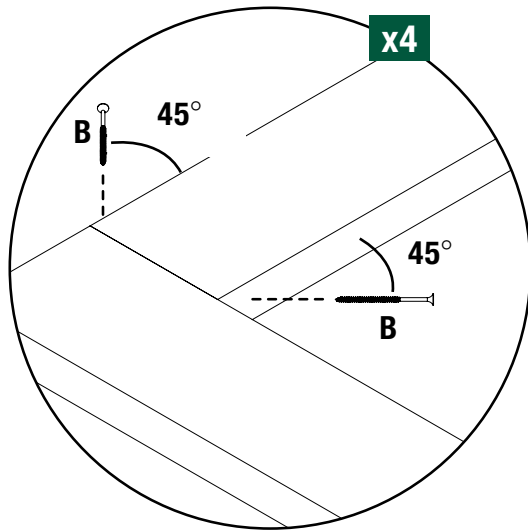
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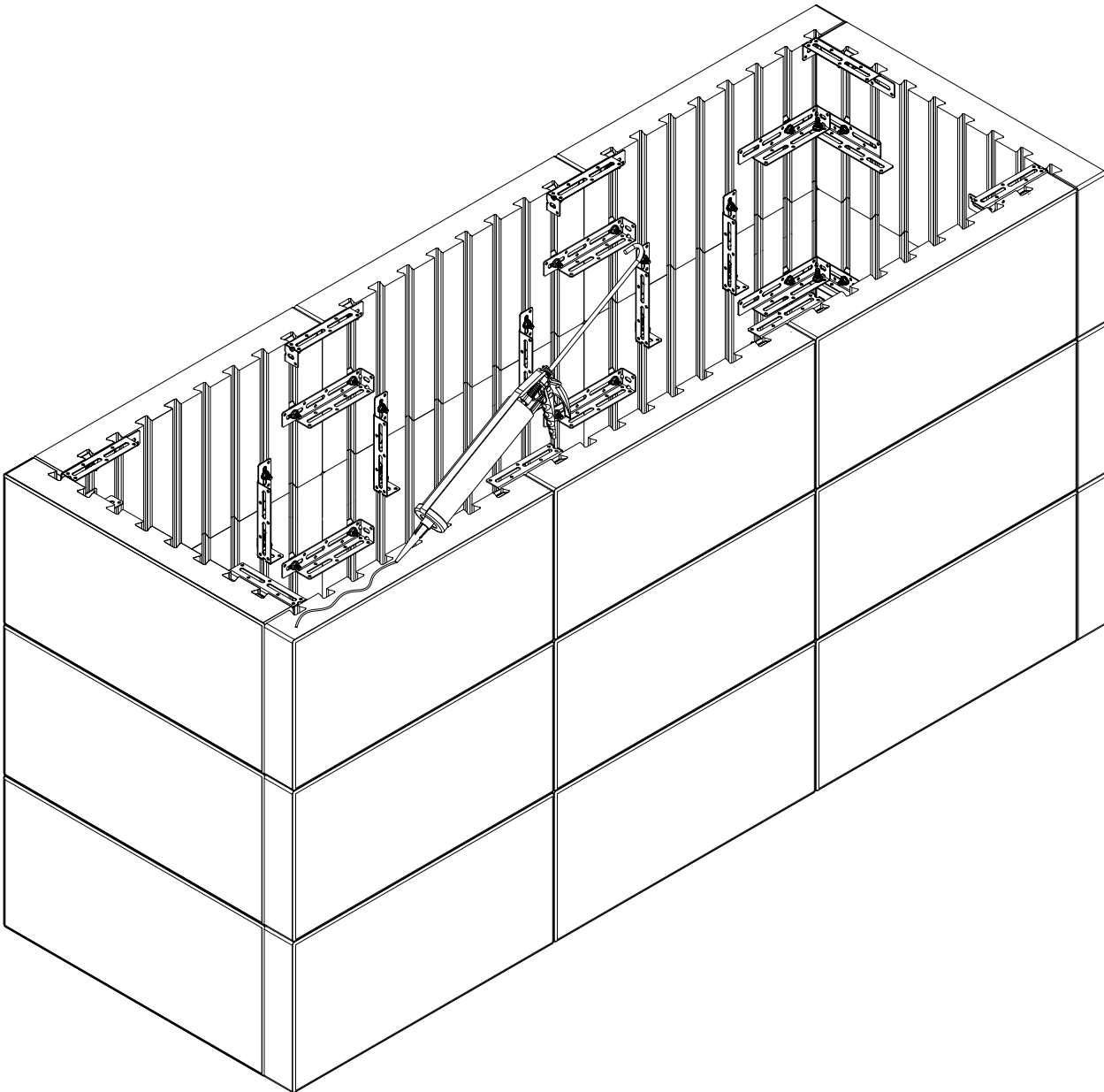
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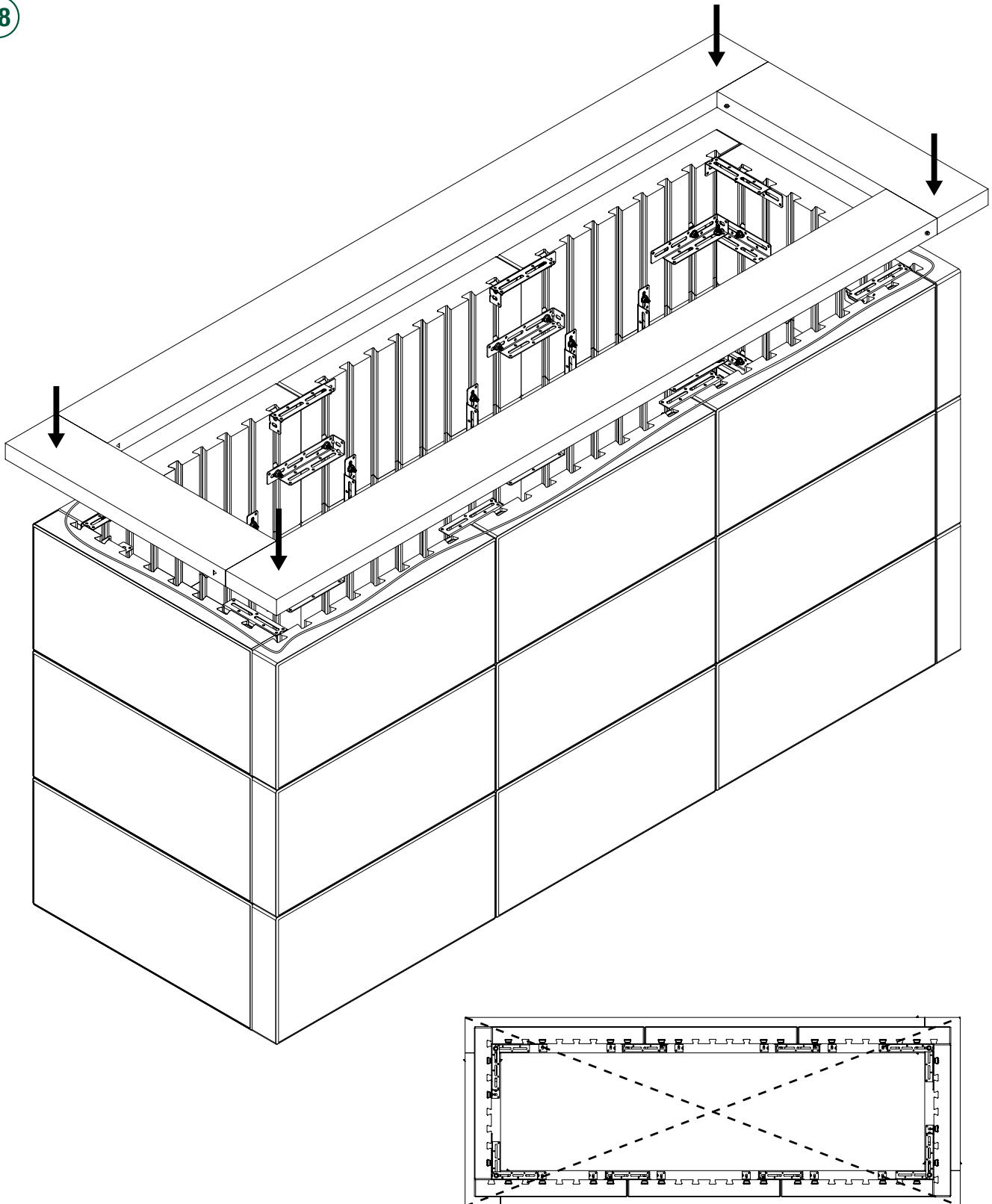
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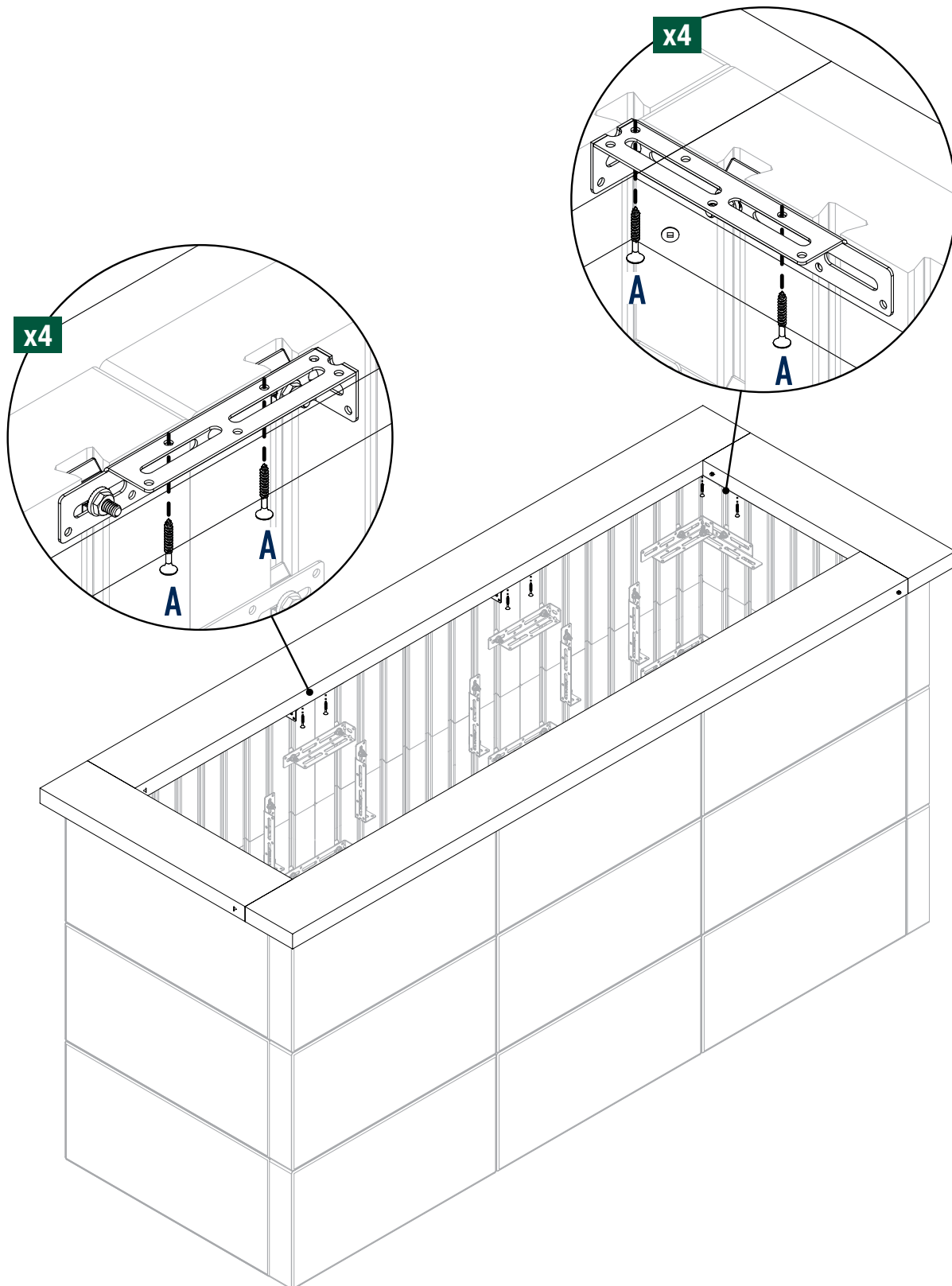
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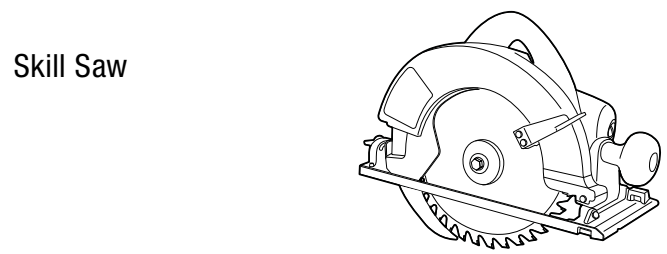
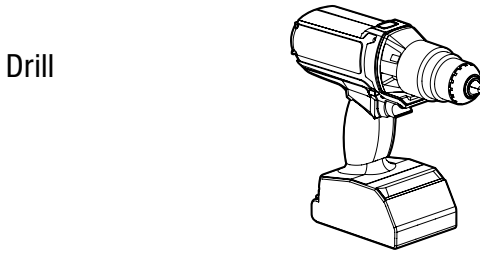
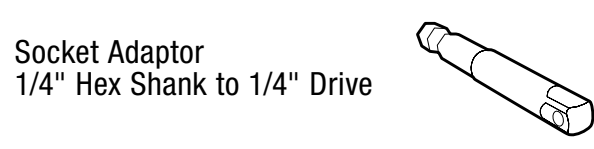
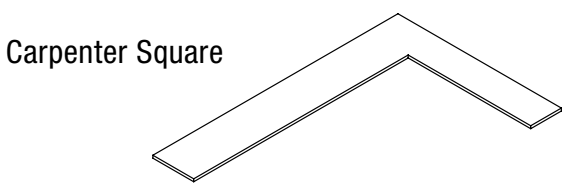
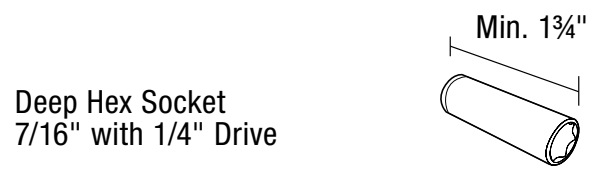
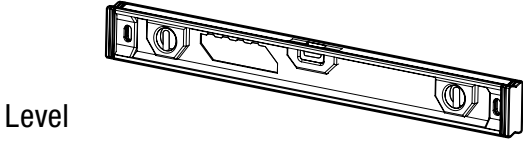
# DESIGNFORMS™

1 ft Rectangular Garden Bed - Wood Top



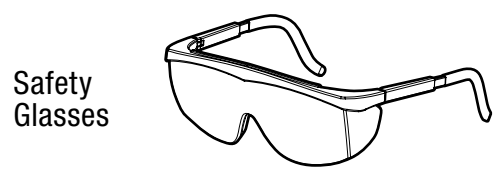
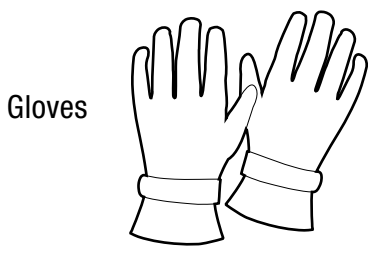
## REQUIRED TOOLS

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## SAFETY EQUIPMENT

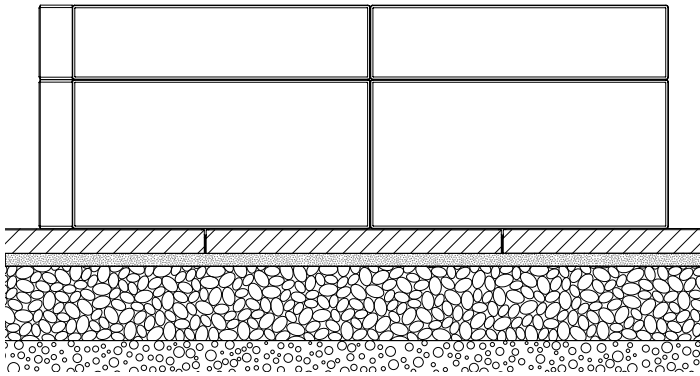
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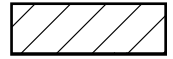
## BASE PREPARATION

*Always level ground before installation*

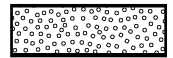
### On new or existing patio



Slab or Paver



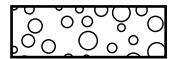
Bedding Sand 1"



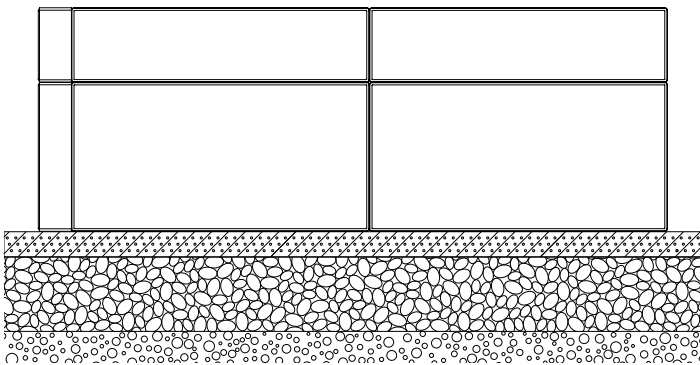
Compacted aggregates 6" - 8"



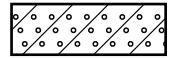
Soil



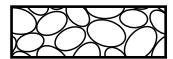
### On poured concrete



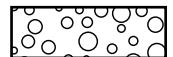
Reinforced Poured Concrete Foundation 2"



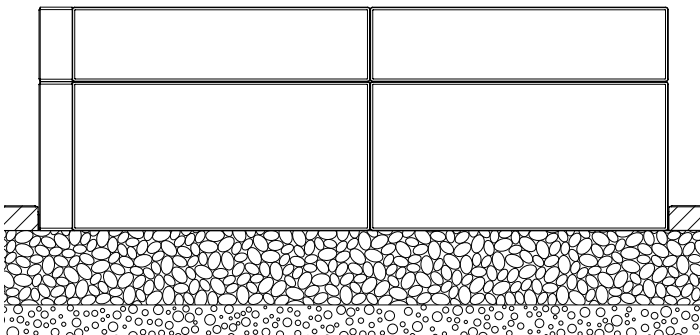
Compacted aggregates 6" - 8"



Soil



### On compacted foundation



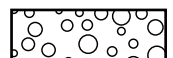
Slab or Paver



Compacted aggregates 6" - 8"



Soil

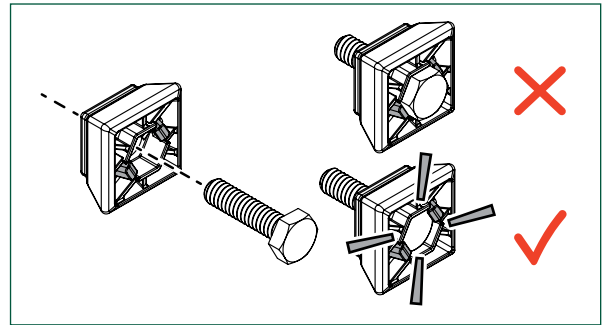


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

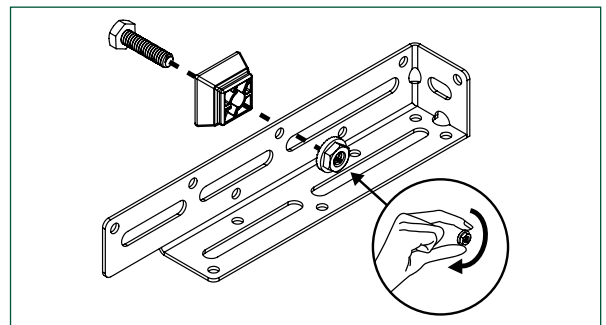
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

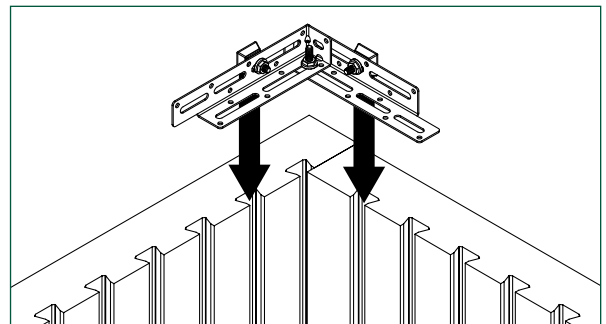
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

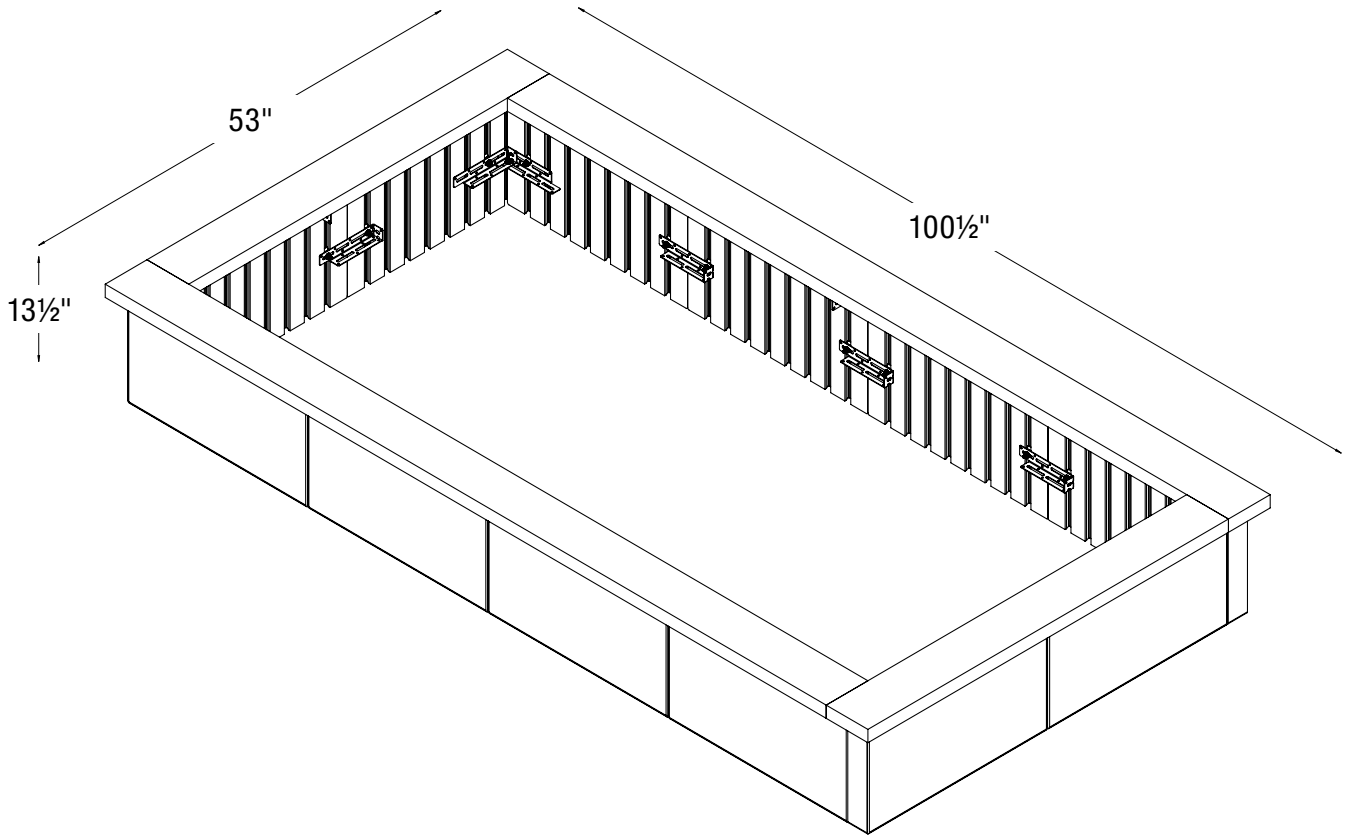
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

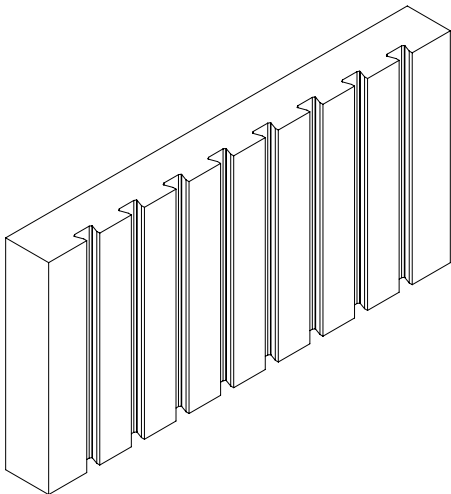
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

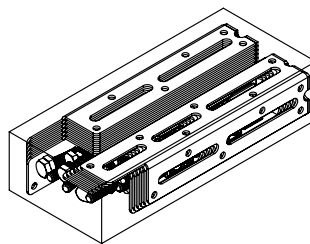


## COMPONENTS

Large Panel (x12)  
12" x 24"



Hardware Kit (x2)



**BRACKET A** x4

x2    x3    x1    x3    x2

1    2

**BRACKET C** x12

x1    x2    x2    x2

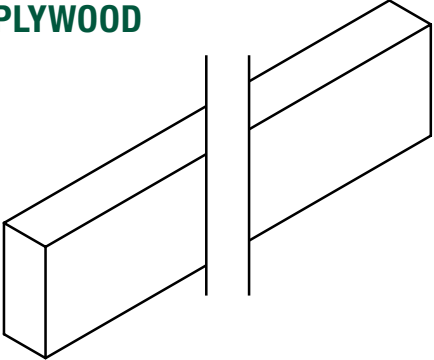
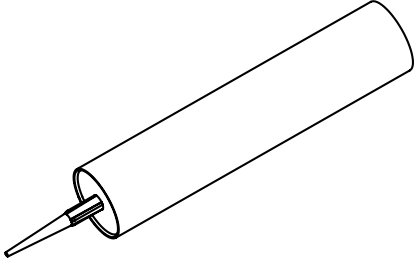
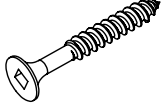

1    2

**BRACKET D** x4

x1    x1    x1    x1

1    2

ADDITIONAL WOOD CAP COMPONENTS

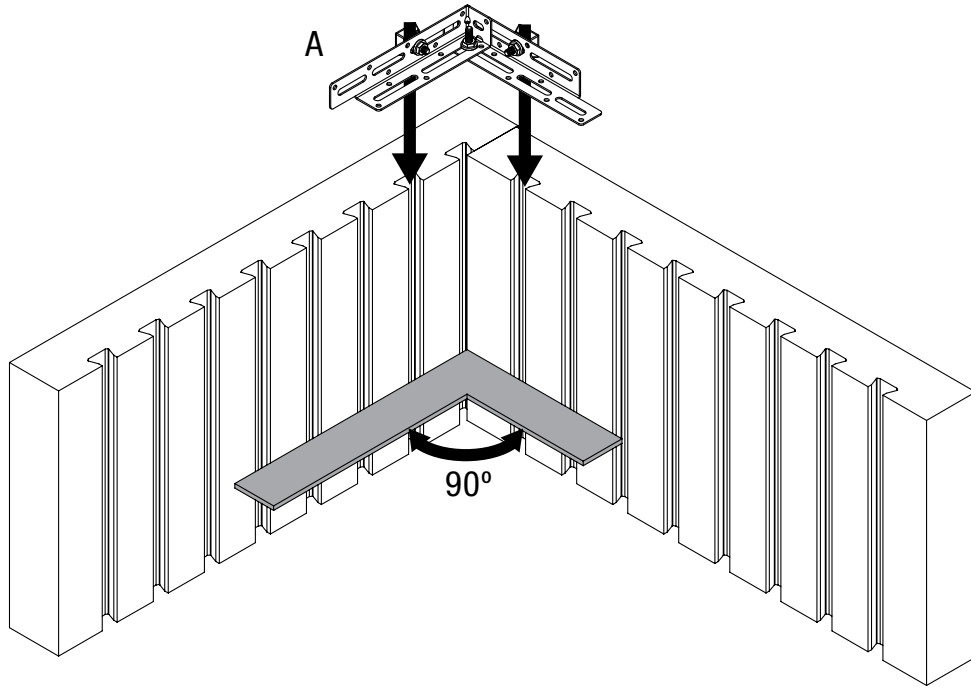
<p><b>2" x 6" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p>  <p><b>x3</b></p>	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p>  <p><b>x1</b></p>	<p><b>A #8 1¼" DECK SCREW</b></p>  <p><b>x16</b></p>
		<p><b>B #8 3" DECK SCREW</b></p>  <p><b>x8</b></p>

WOOD CUTS

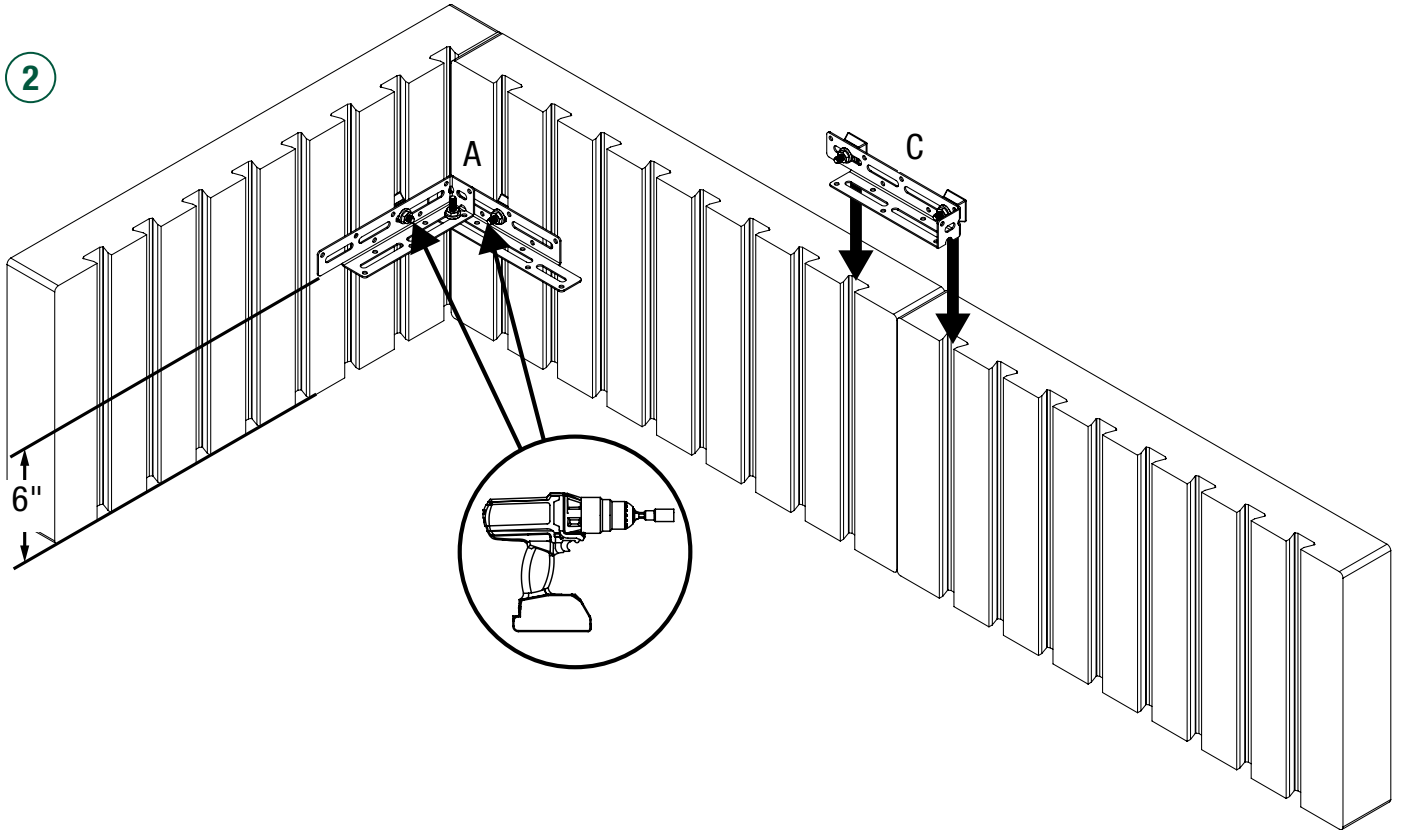


1 = 95"    2 = 47 1/2"

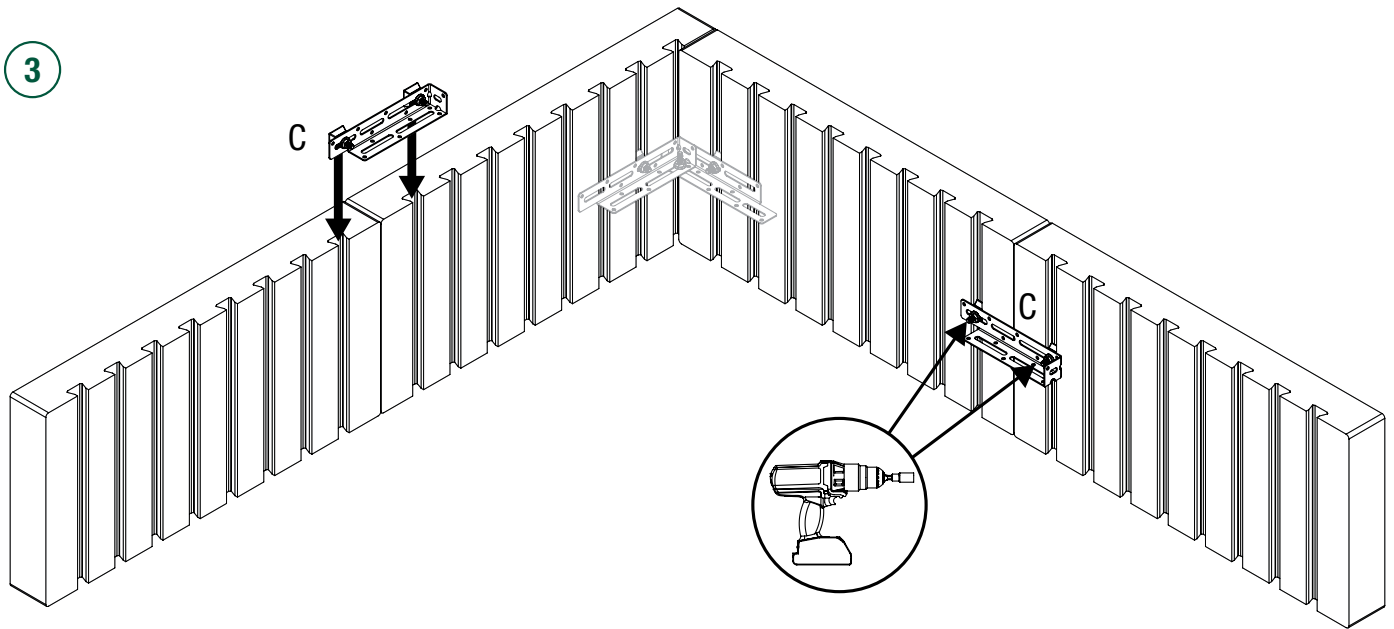
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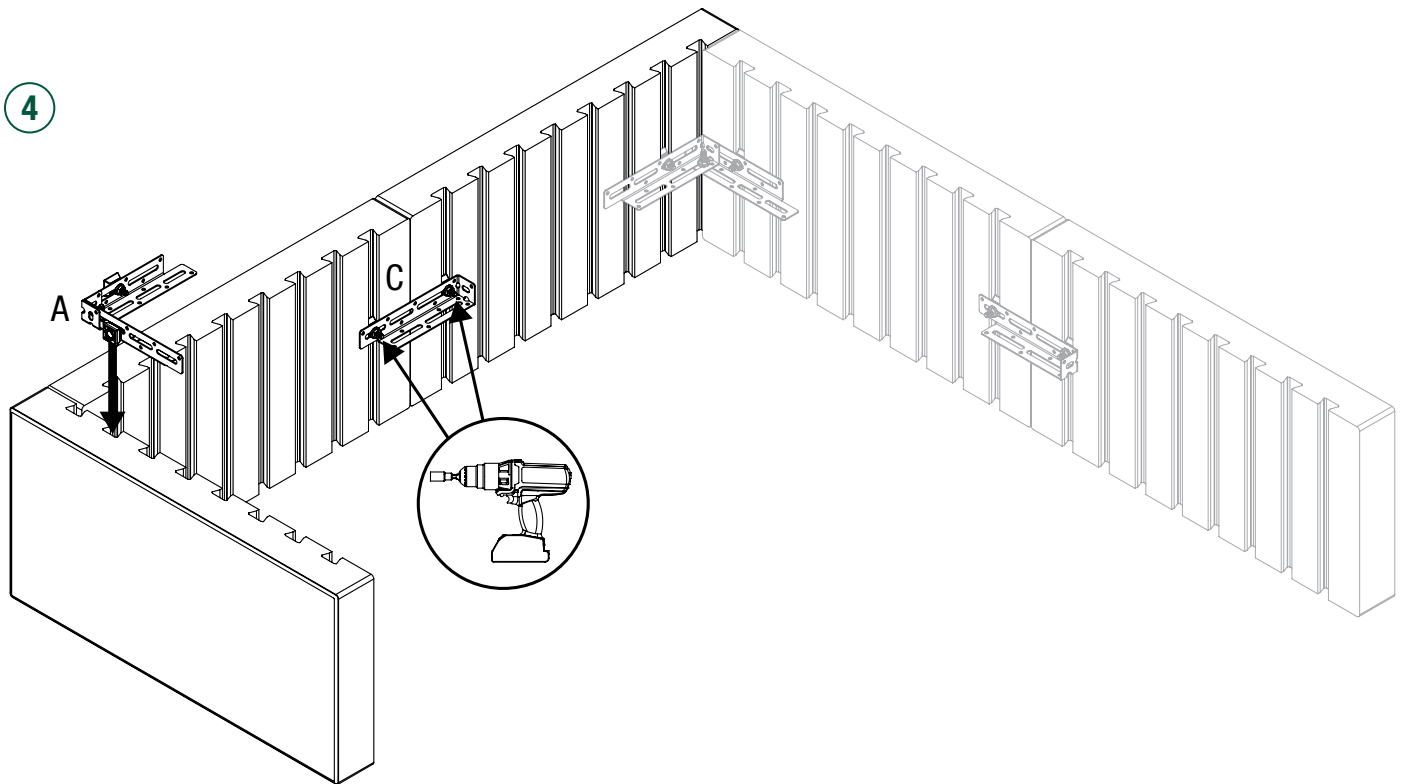
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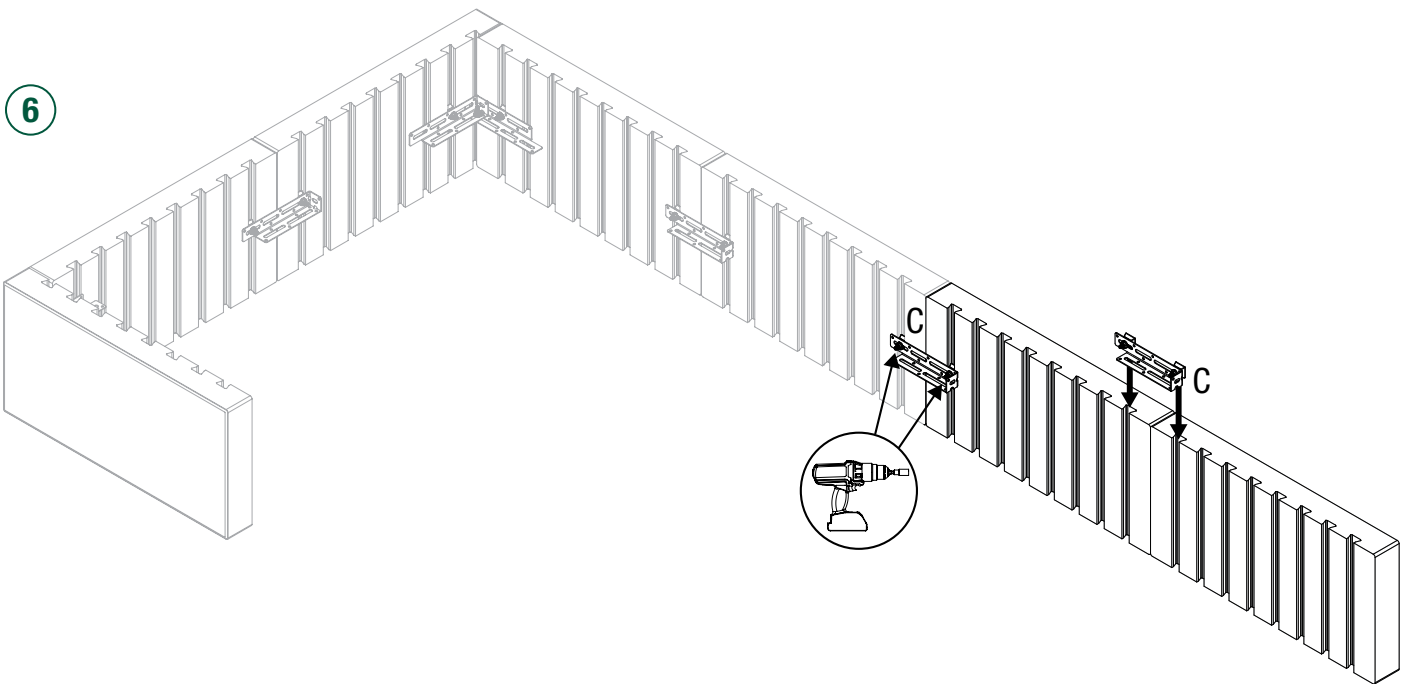
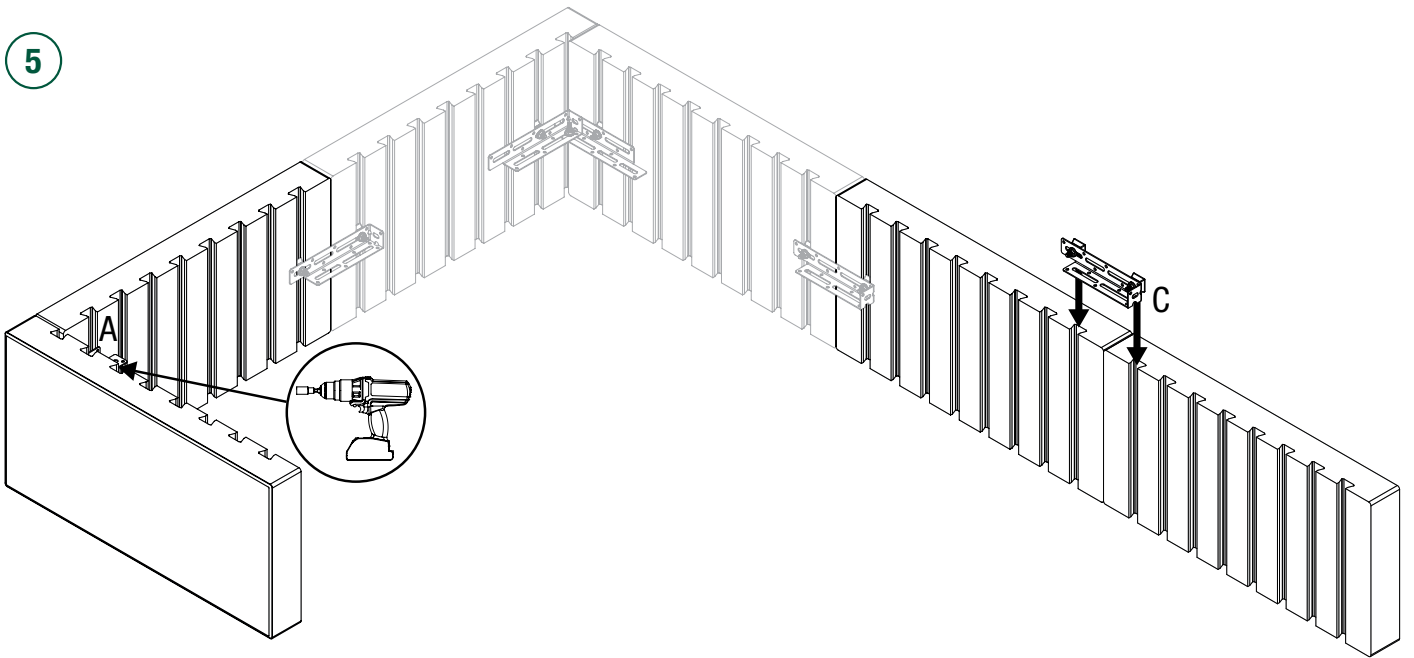


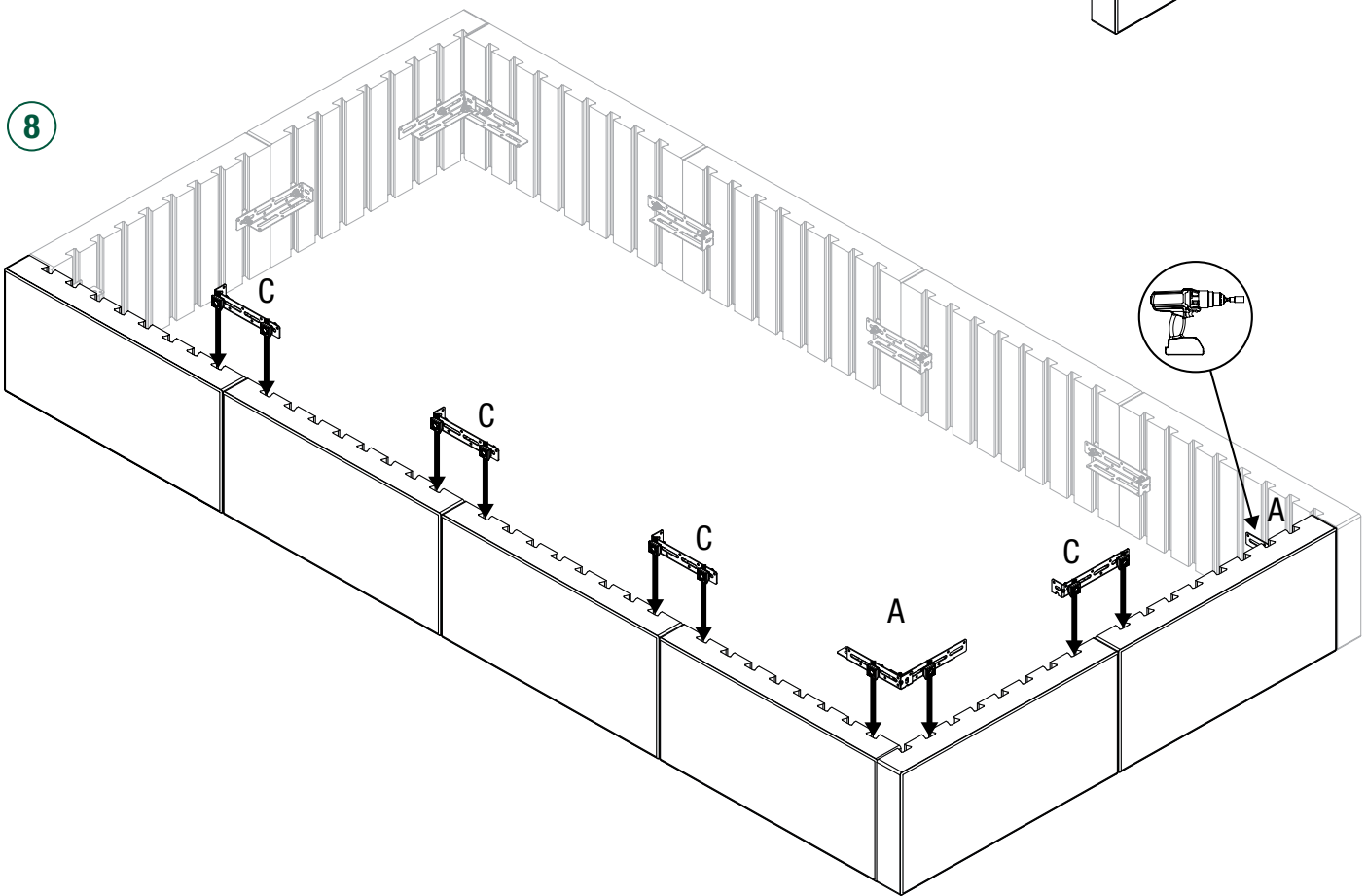
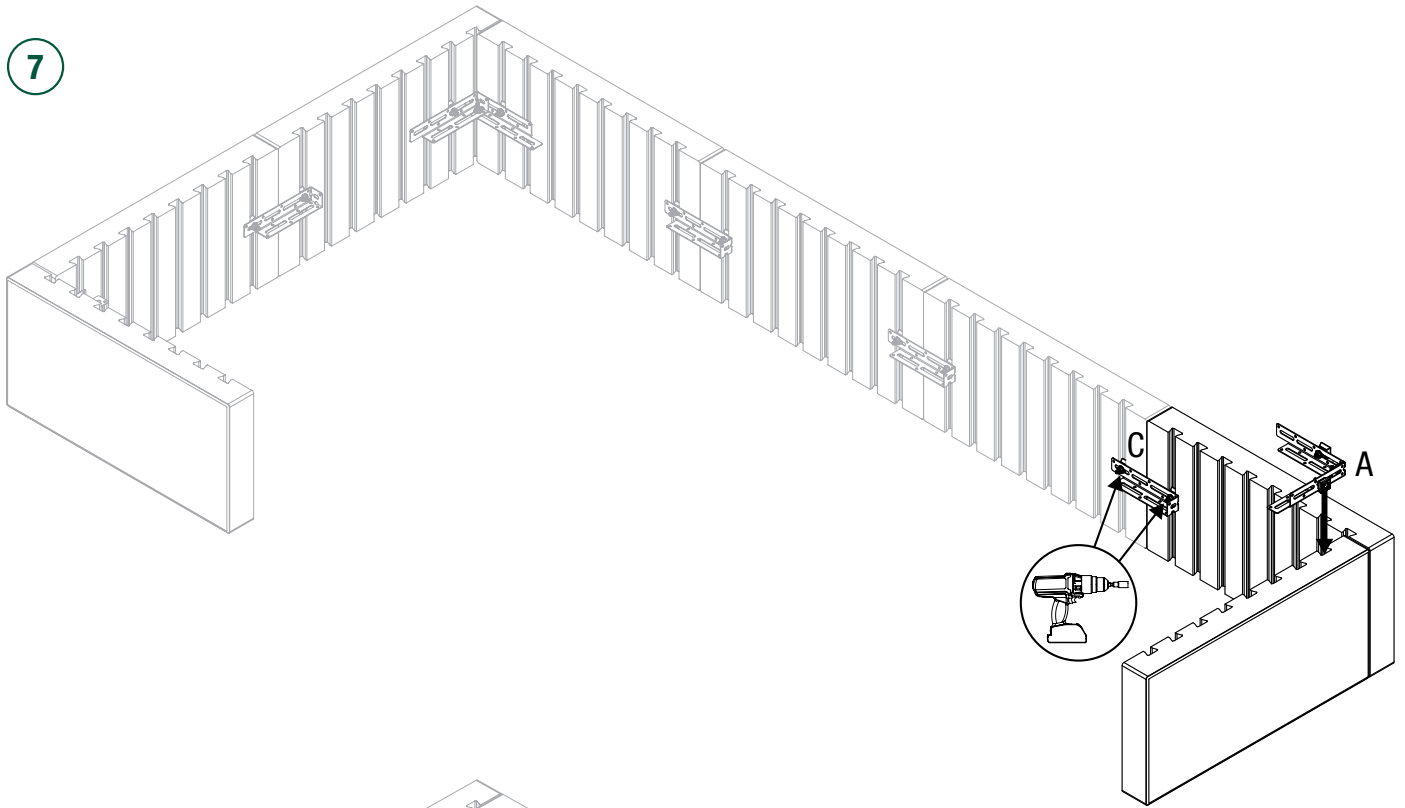
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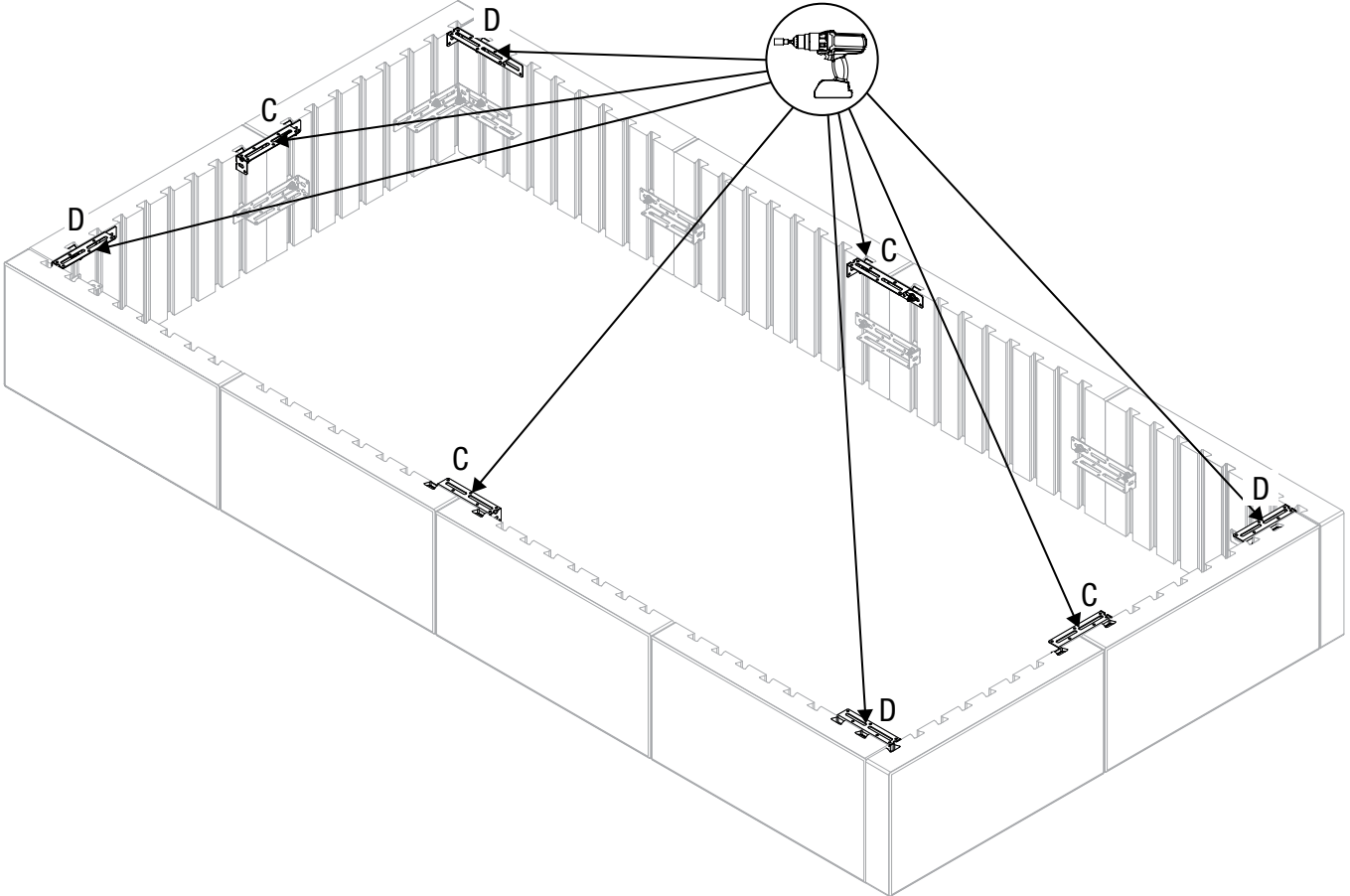




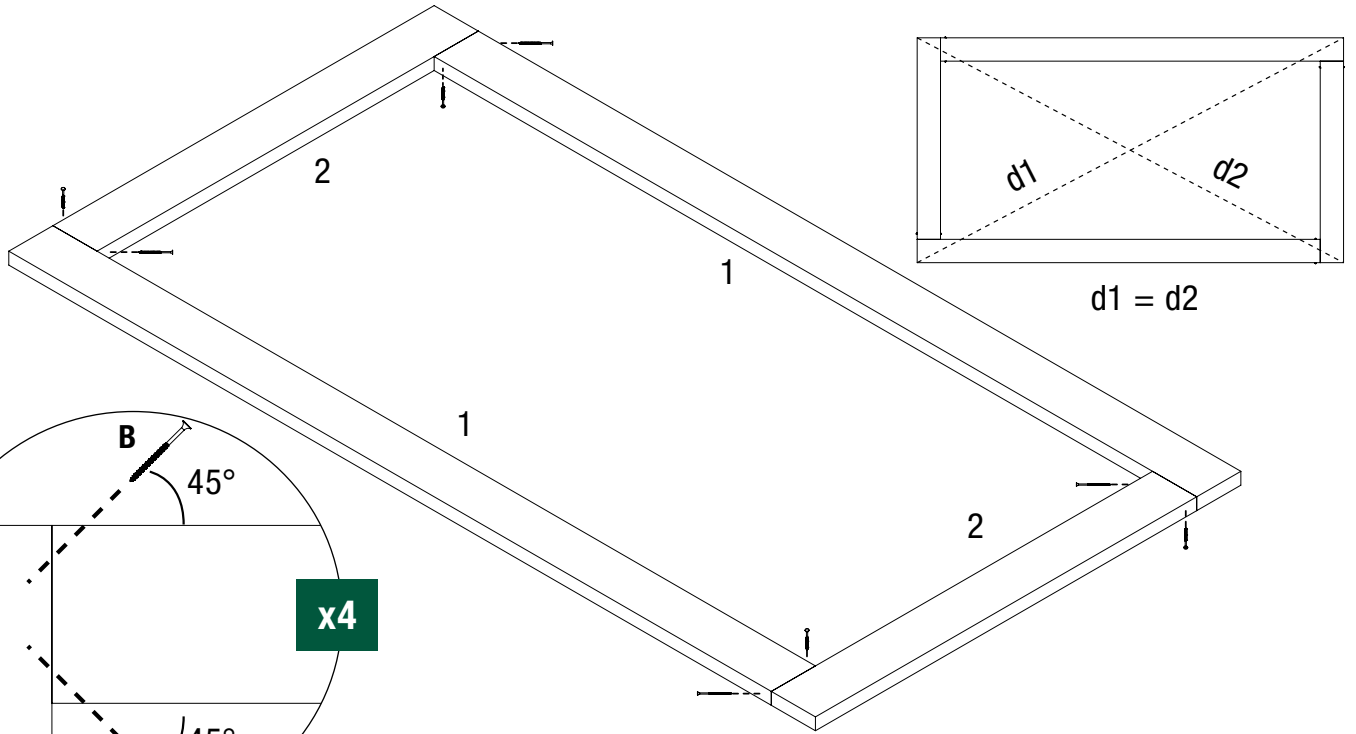




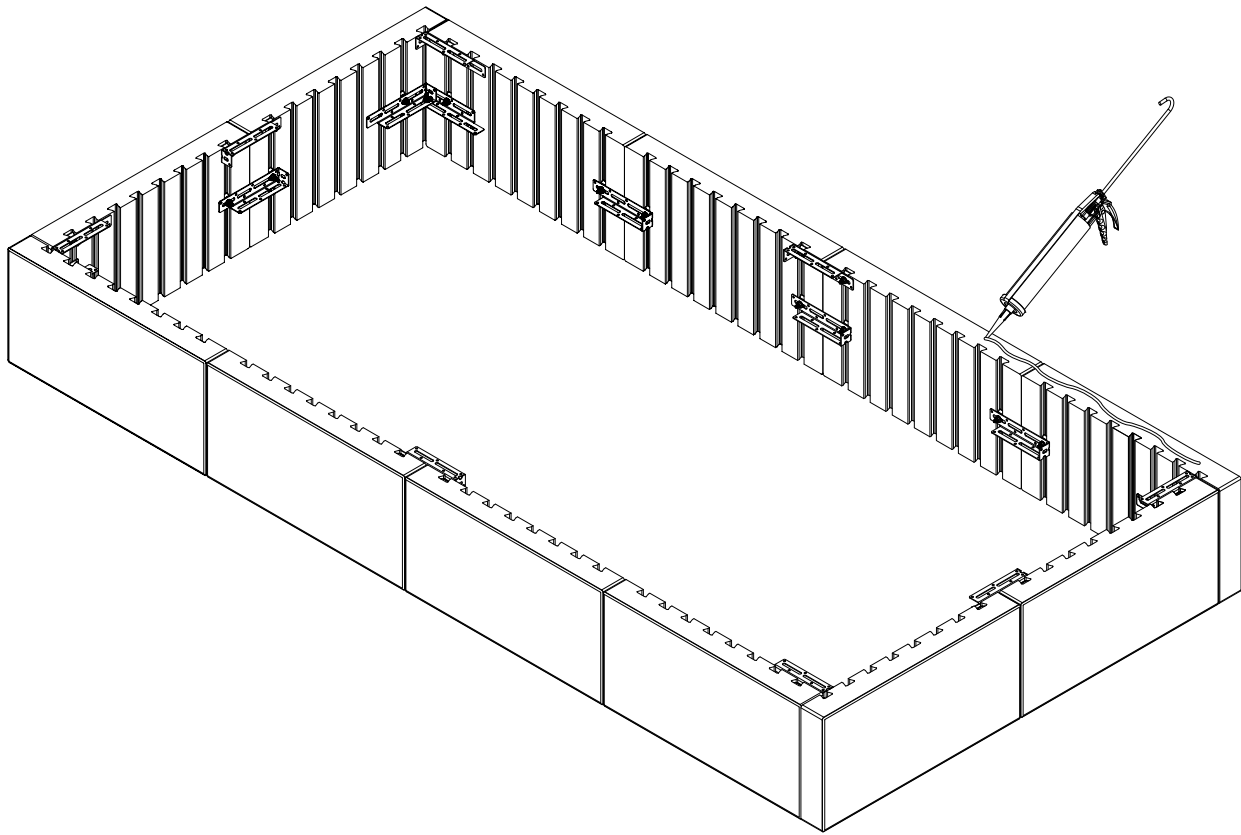
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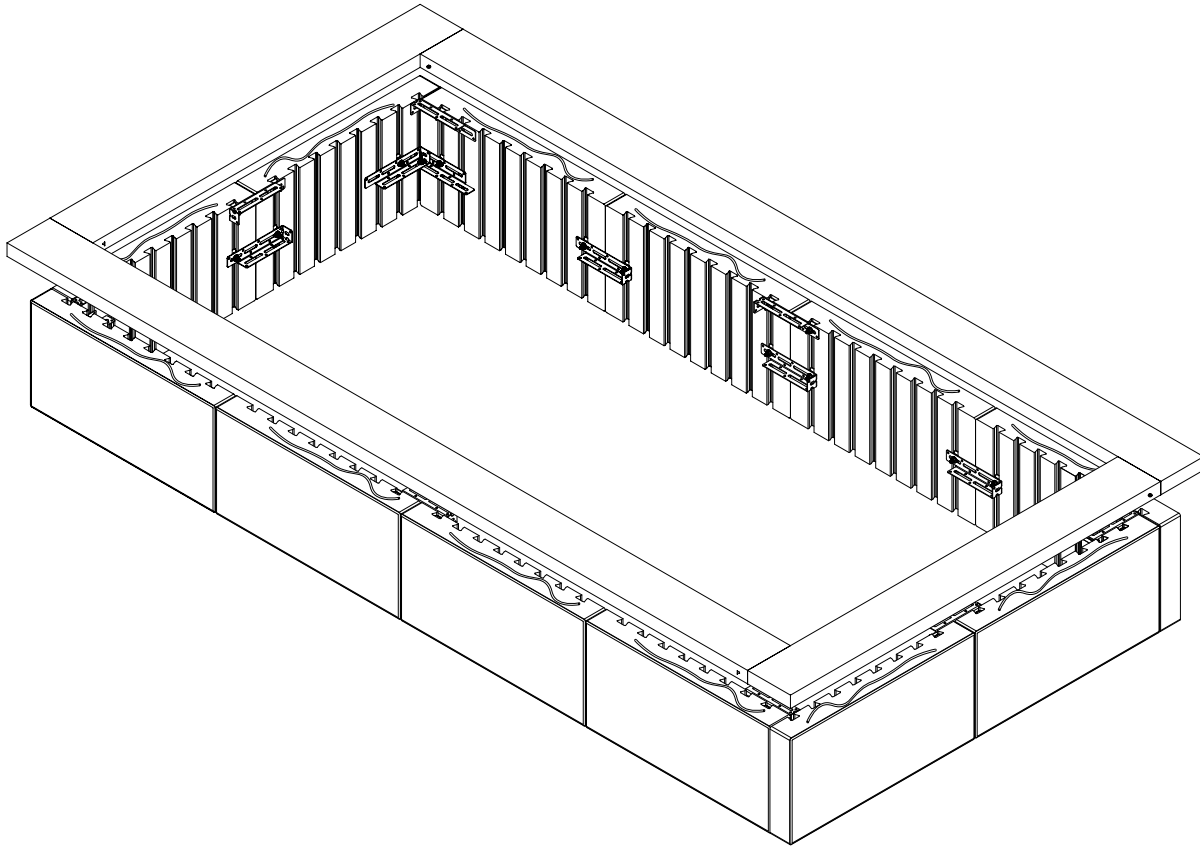
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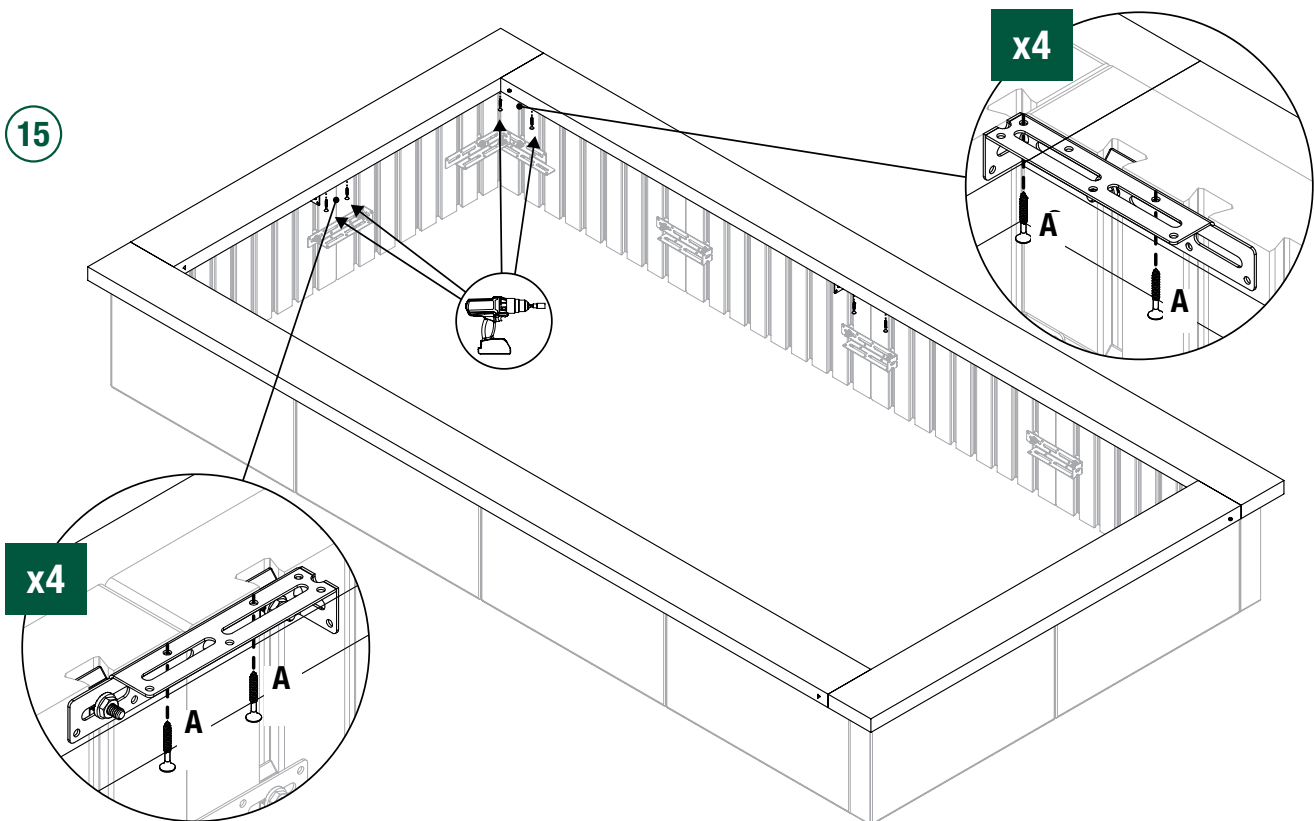
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14



15



# DESIGNFORMS™

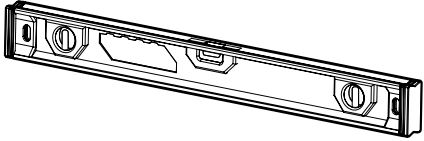
2.5 ft Vertical Planter - Concrete Top



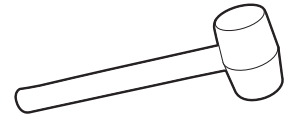
## REQUIRED TOOLS

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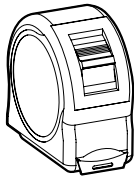
Level



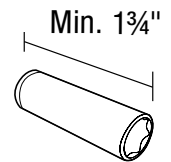
Rubber Mallet



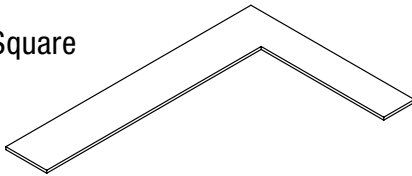
Measuring Tape



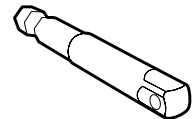
Deep Hex Socket  
7/16" with 1/4" Drive



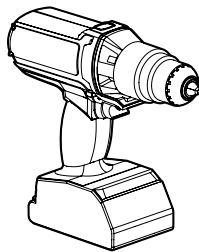
Carpenter Square



Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill



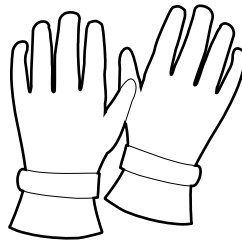
## SAFETY EQUIPMENT

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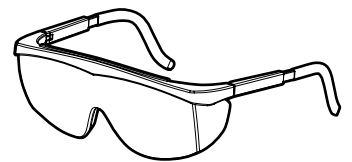
Safety Boots



Gloves



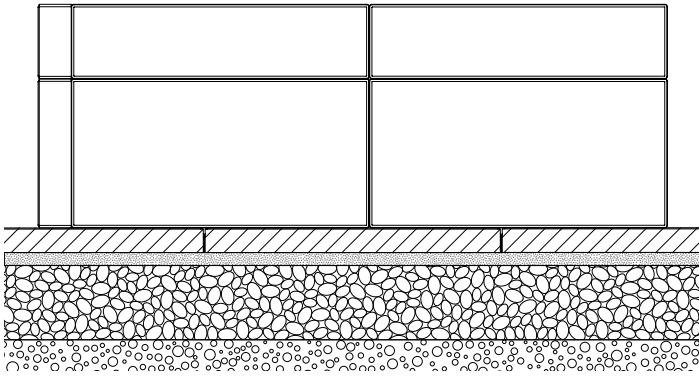
Safety Glasses



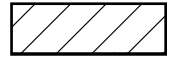
## BASE PREPARATION

*Always level ground before installation*

### On new or existing patio



Slab or Paver



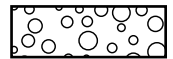
Bedding Sand 1"



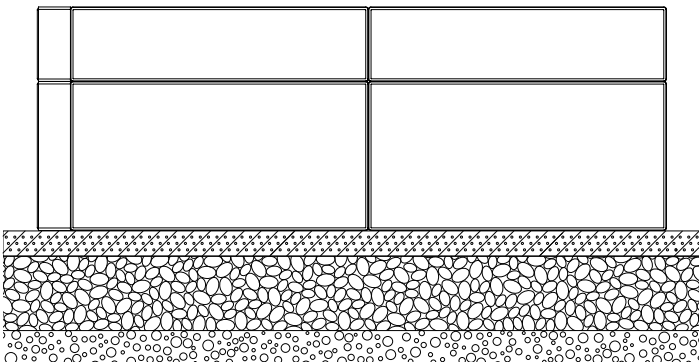
Compacted aggregates 6" - 8"



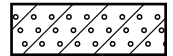
Soil



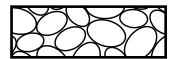
### On poured concrete



Reinforced Poured Concrete Foundation 2"



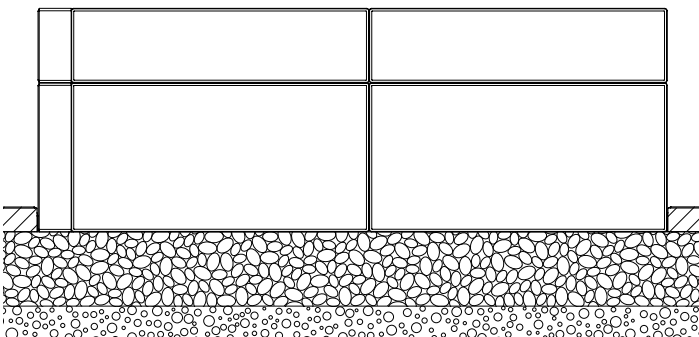
Compacted aggregates 6" - 8"



Soil



### On compacted foundation



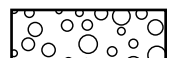
Slab or Paver



Compacted aggregates 6" - 8"



Soil

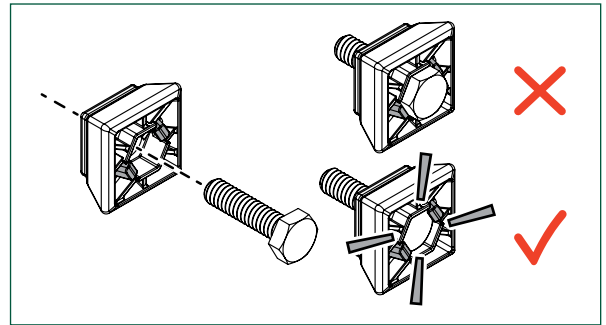


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

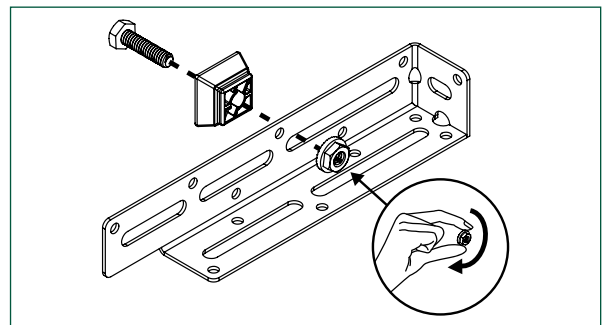
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

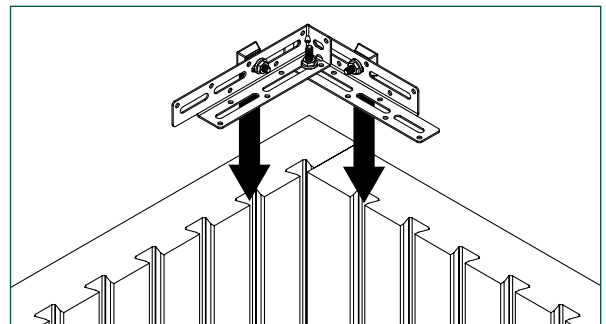
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

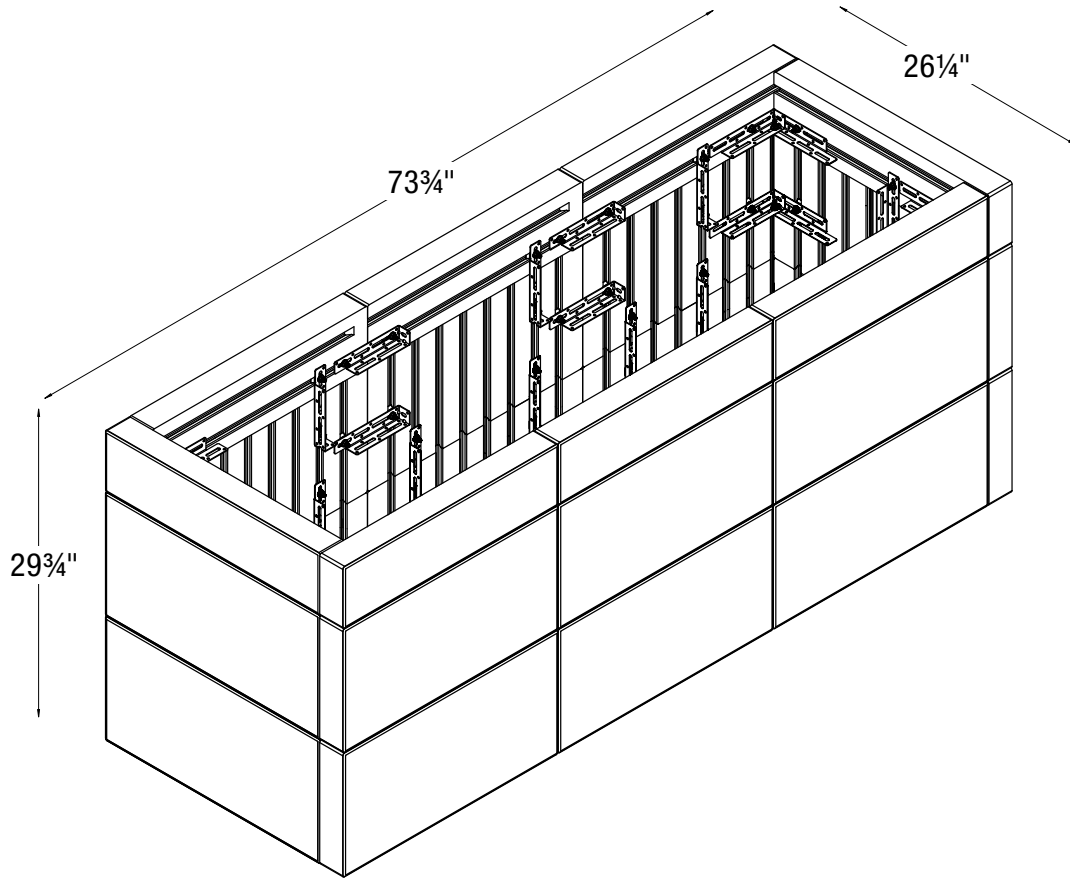
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

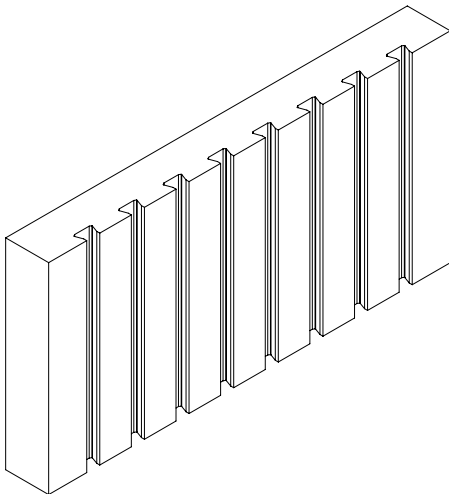
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

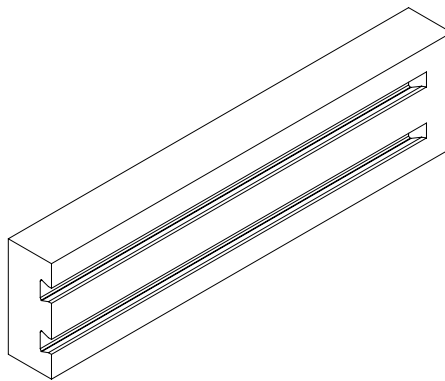


## COMPONENTS

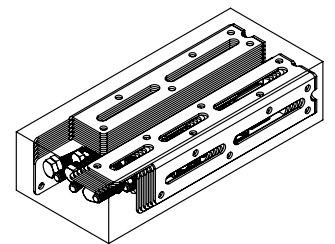
Large Panel (x16)  
12" x 24"



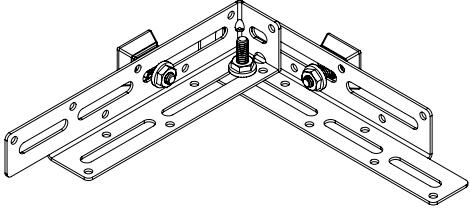
Small Panel (x8)  
6" x 24"



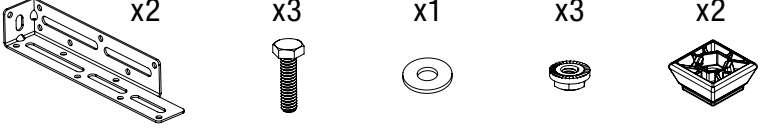
Hardware Kit (x5)



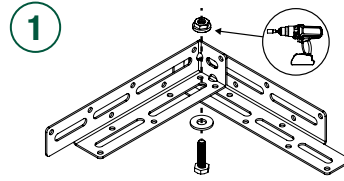
**BRACKET A** x8



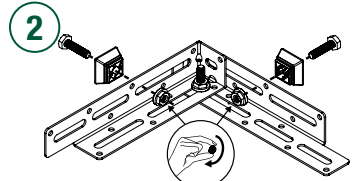
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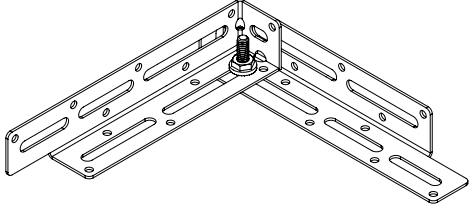
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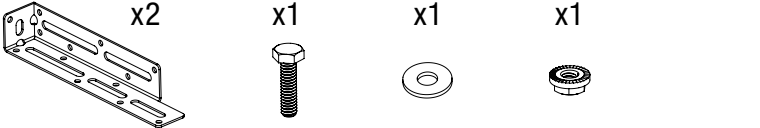
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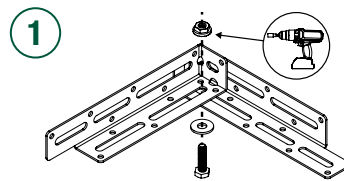
**BRACKET B** x4



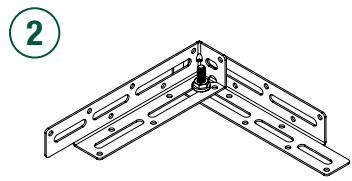
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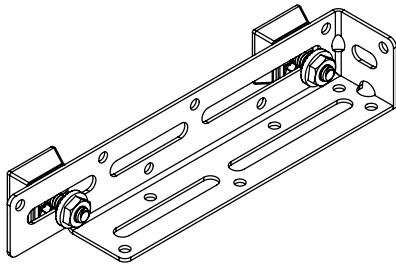
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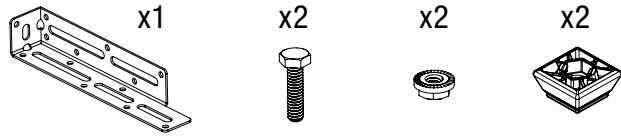
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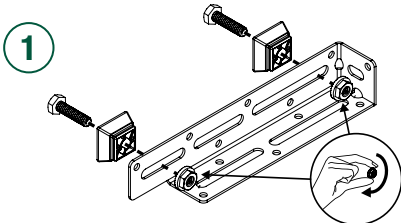
**BRACKET C** x22



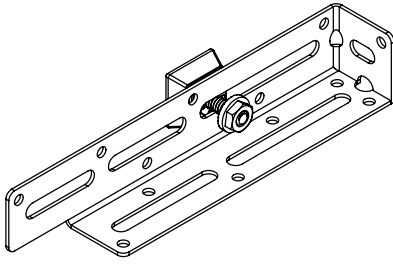
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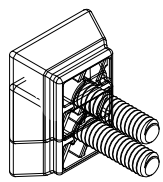


**BRACKET H** x12

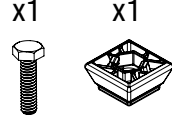


**ASSEMBLY I** x46

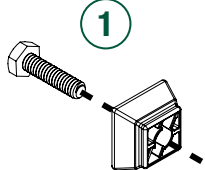
Use with BRACKETS B and H during build




x1    x1



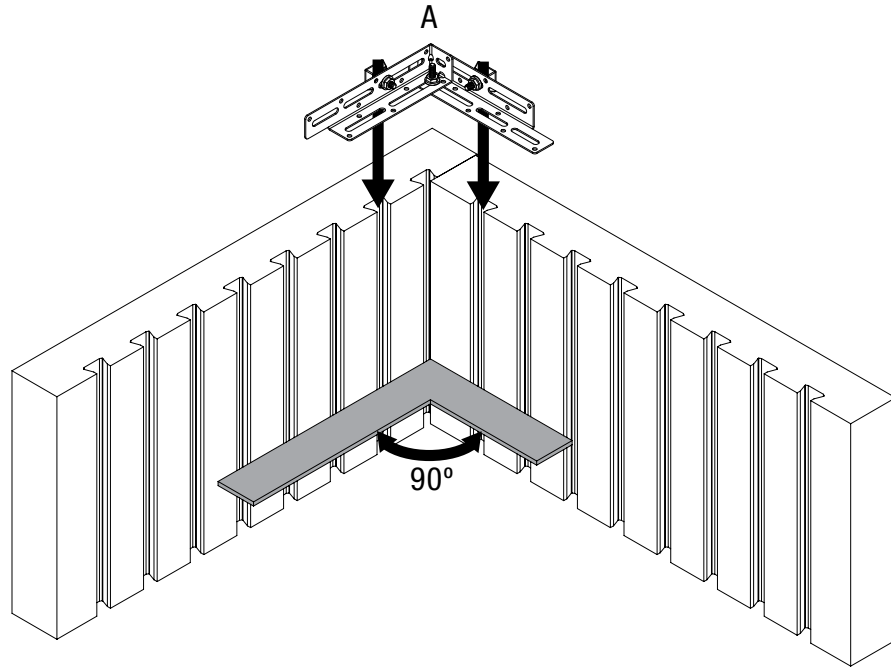
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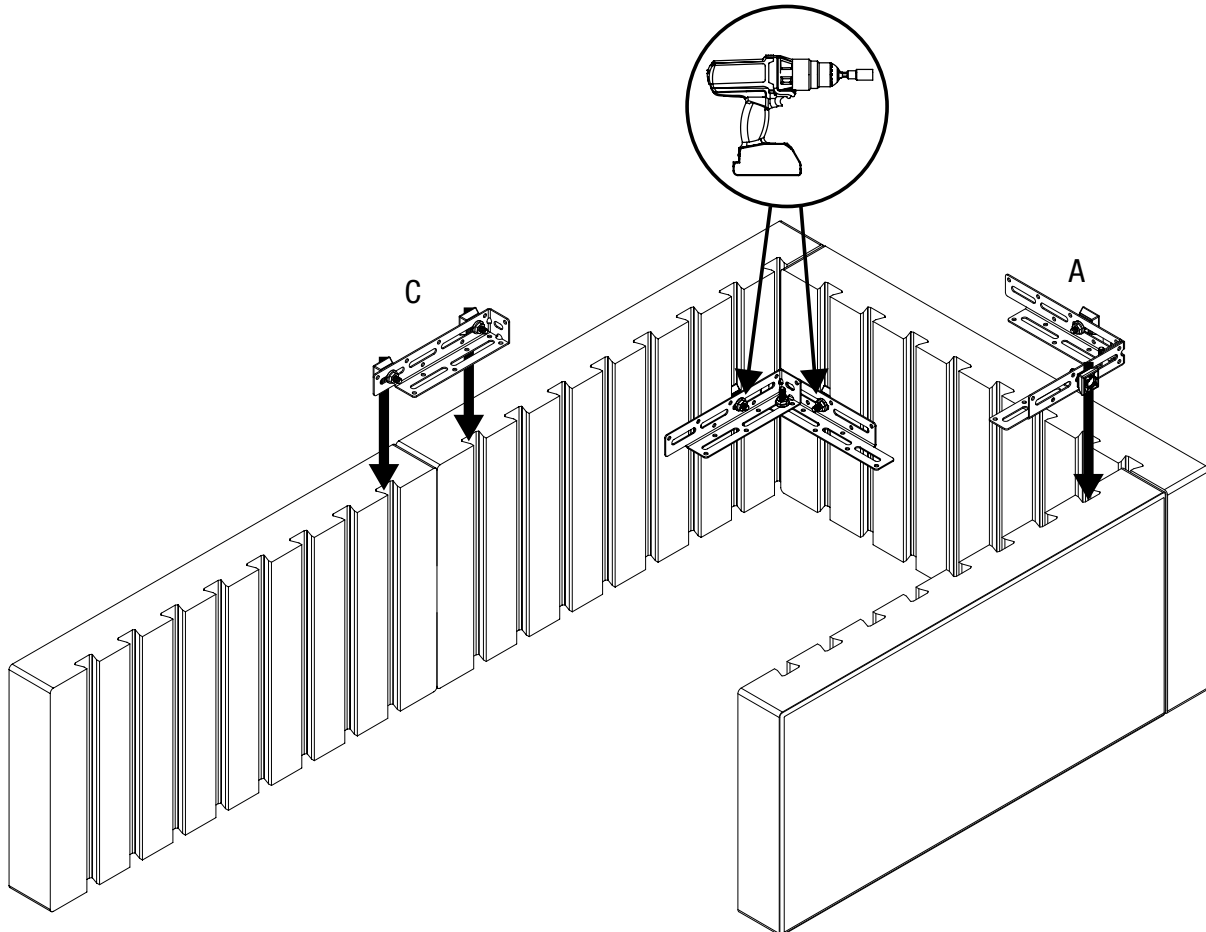
**J** x46



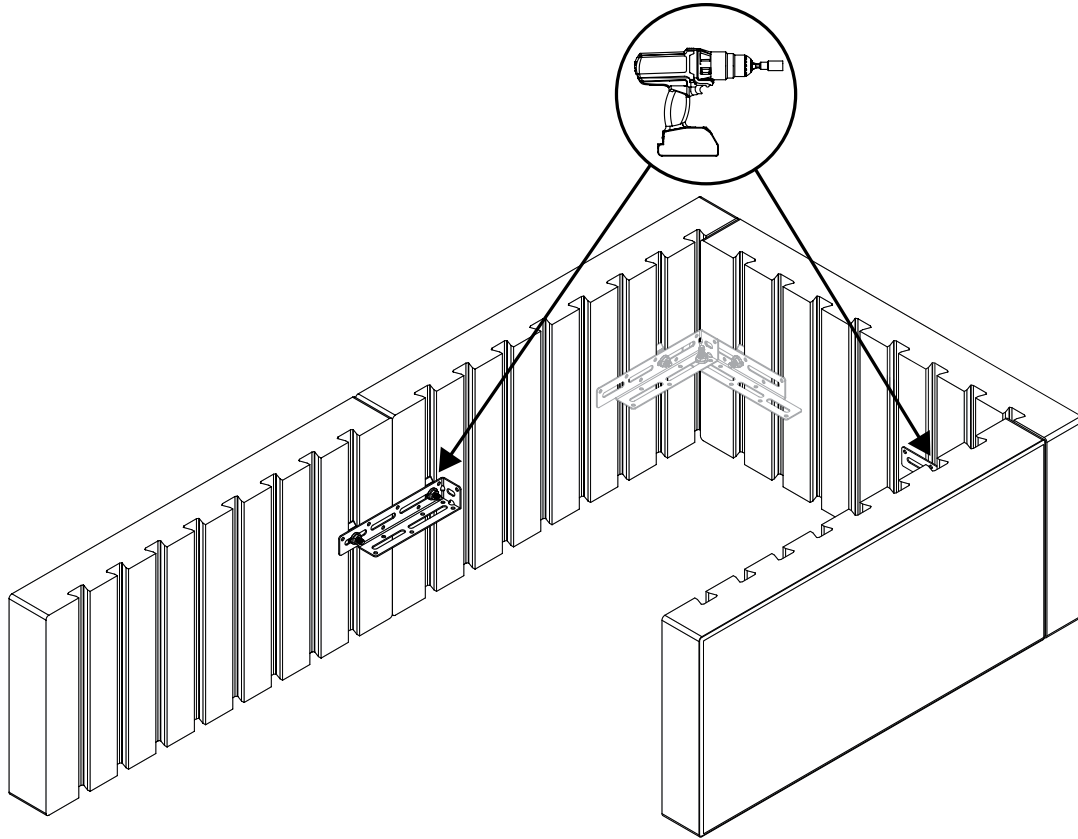
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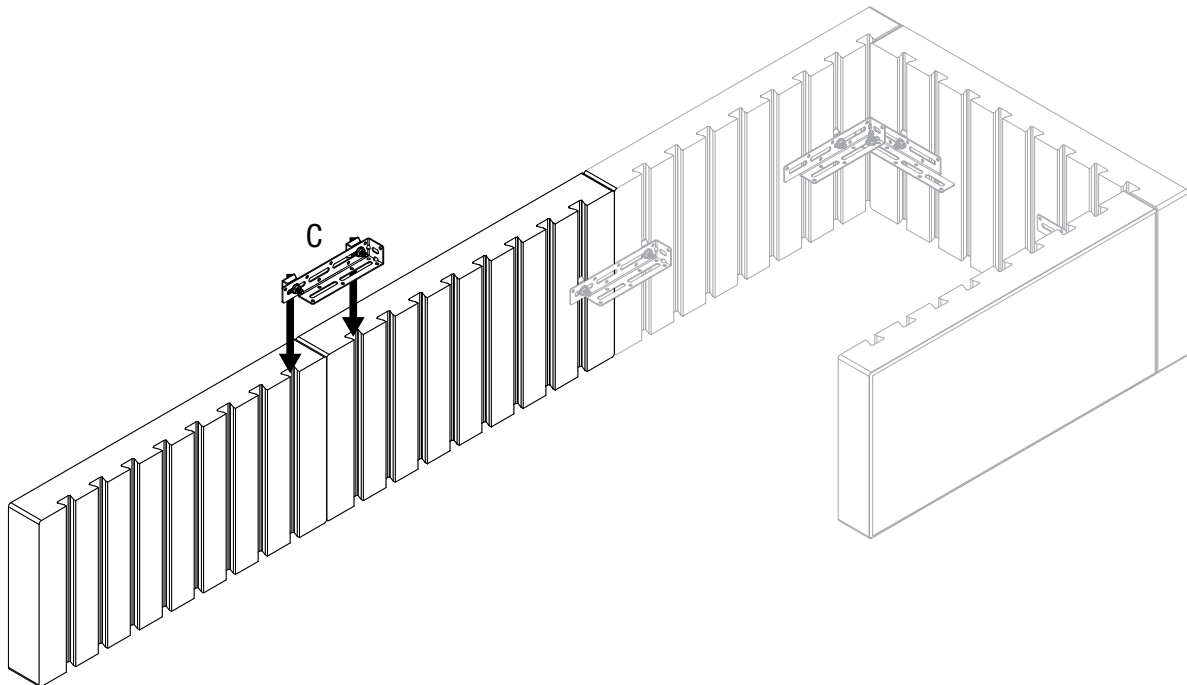
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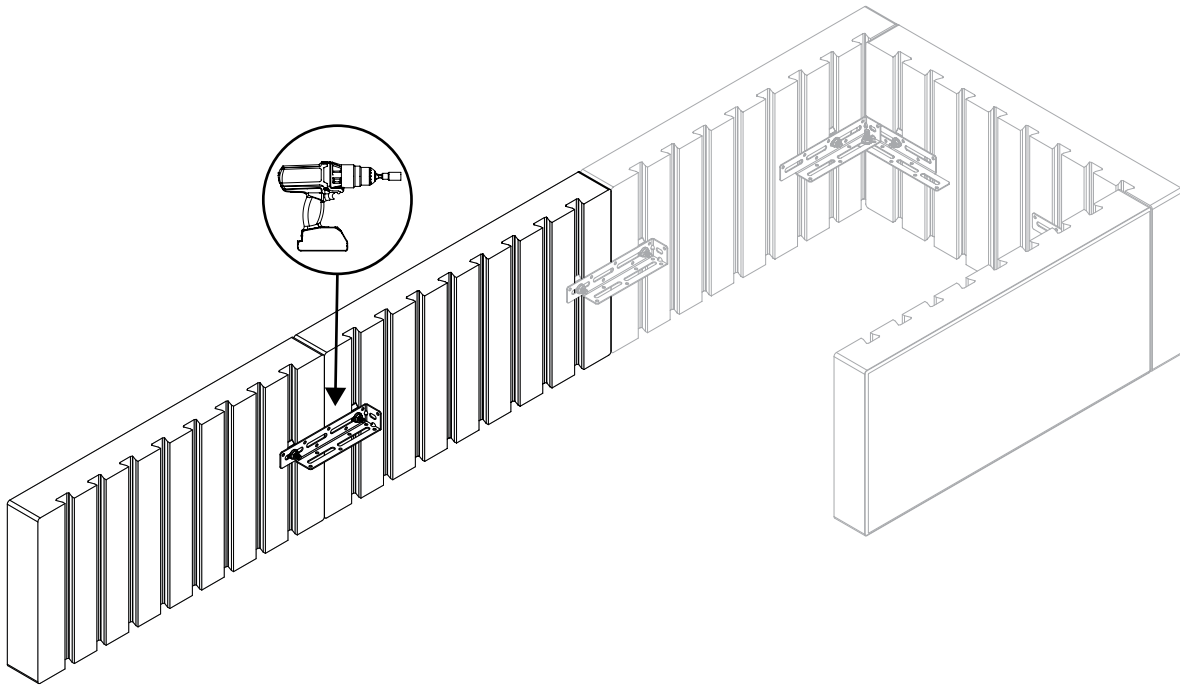
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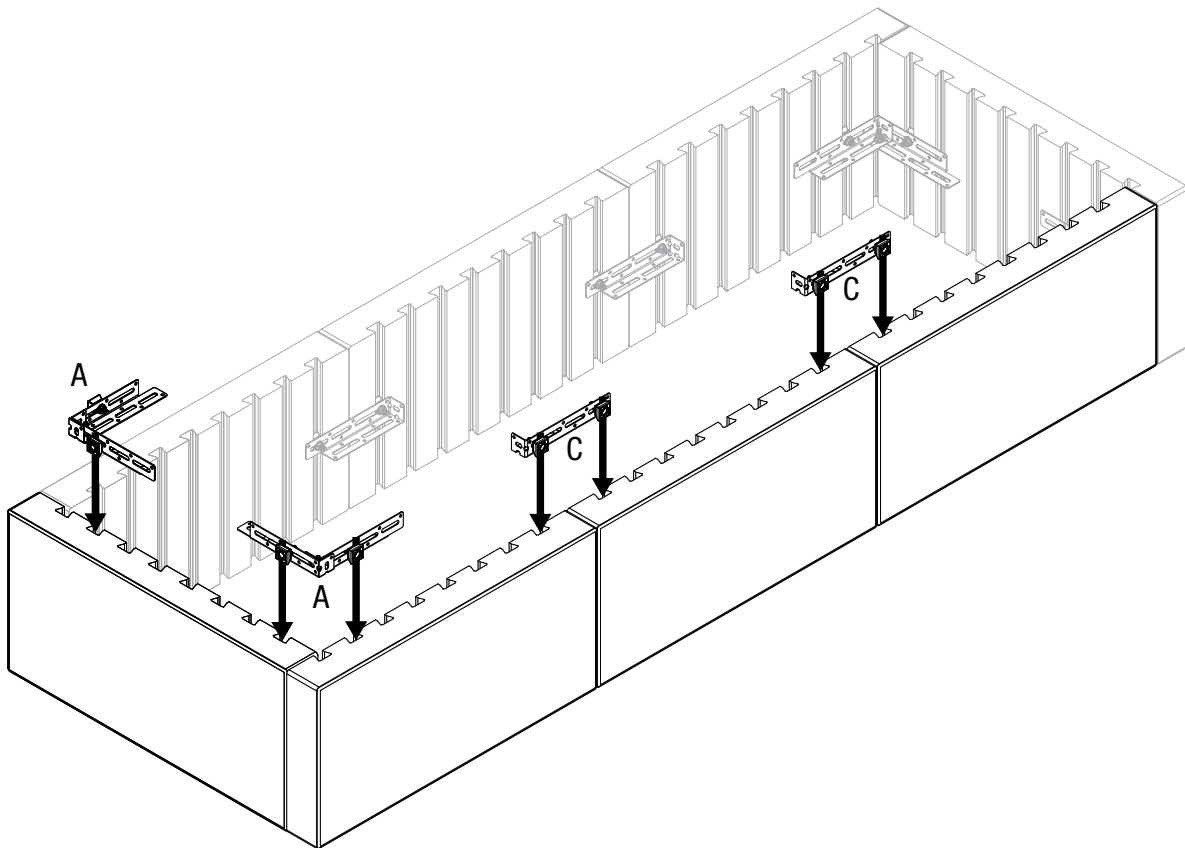
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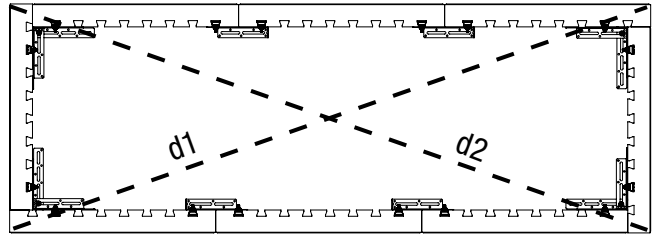
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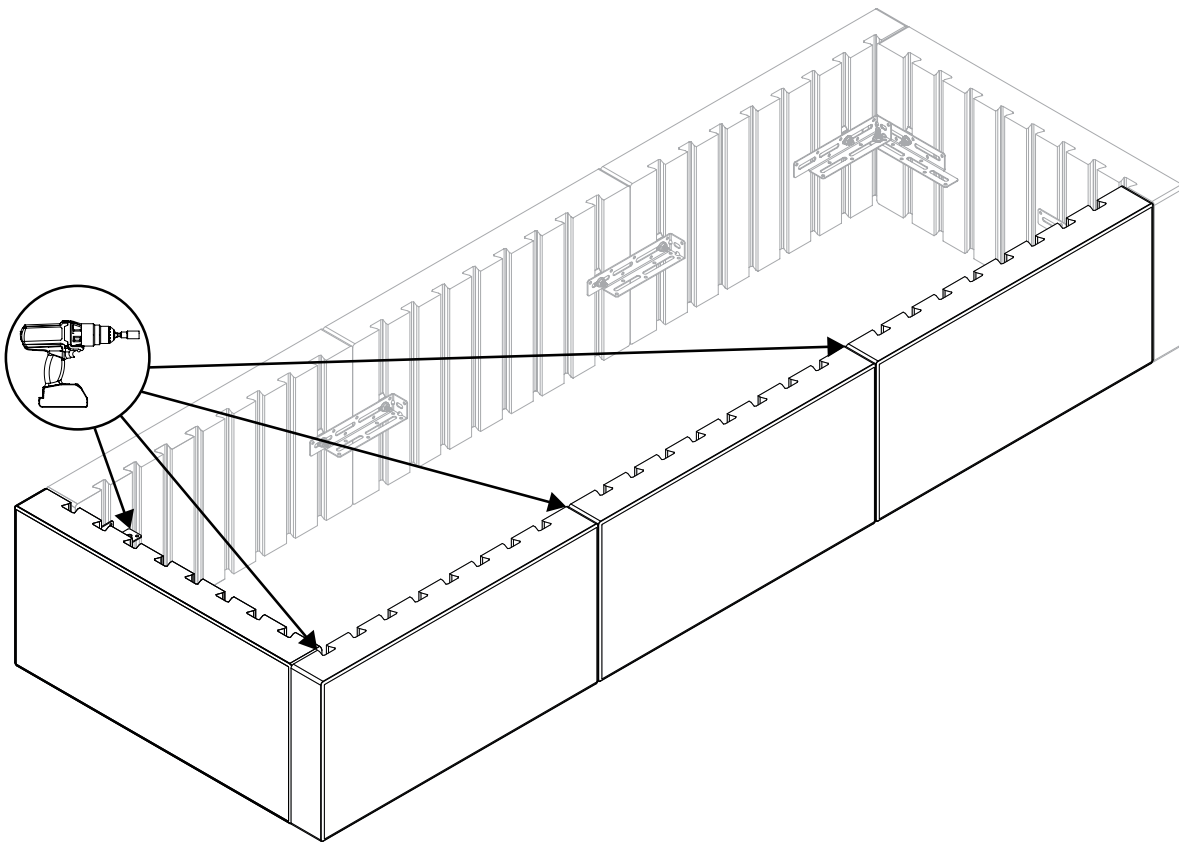
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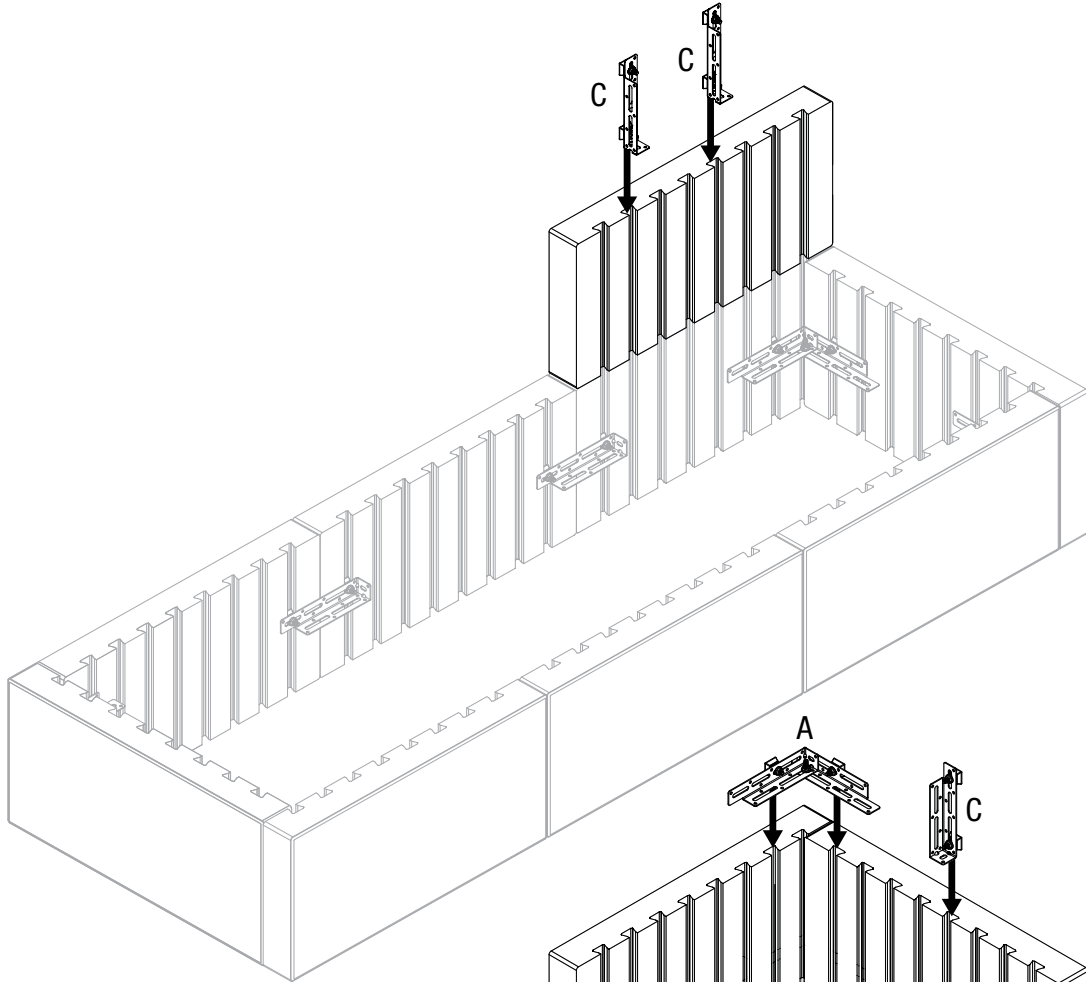
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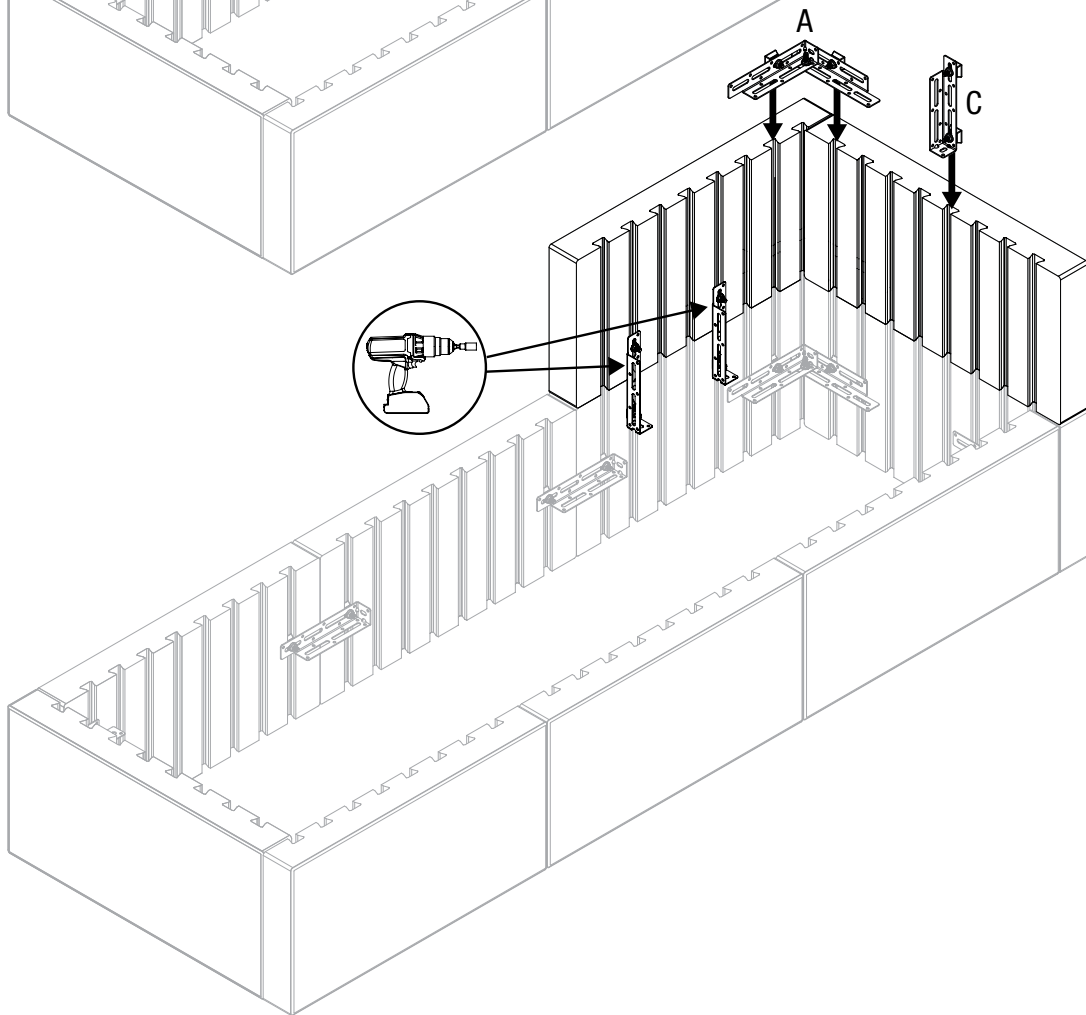
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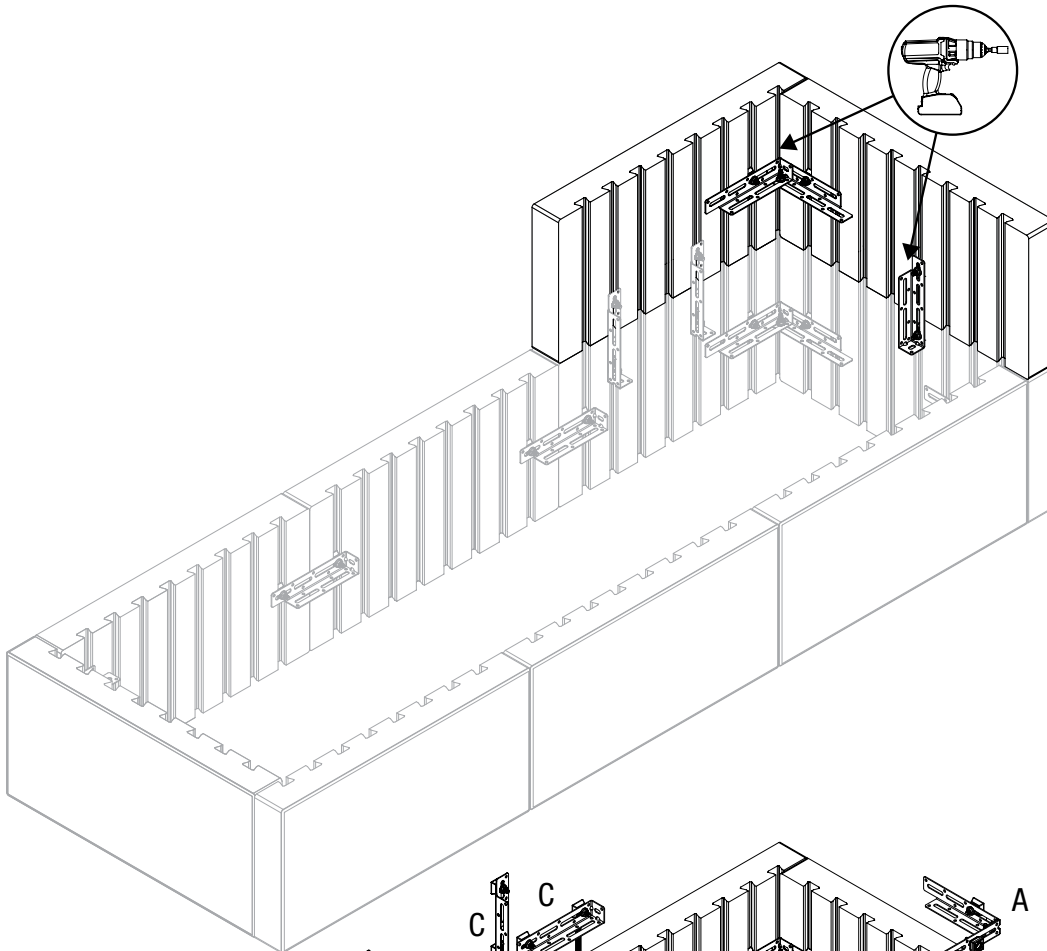
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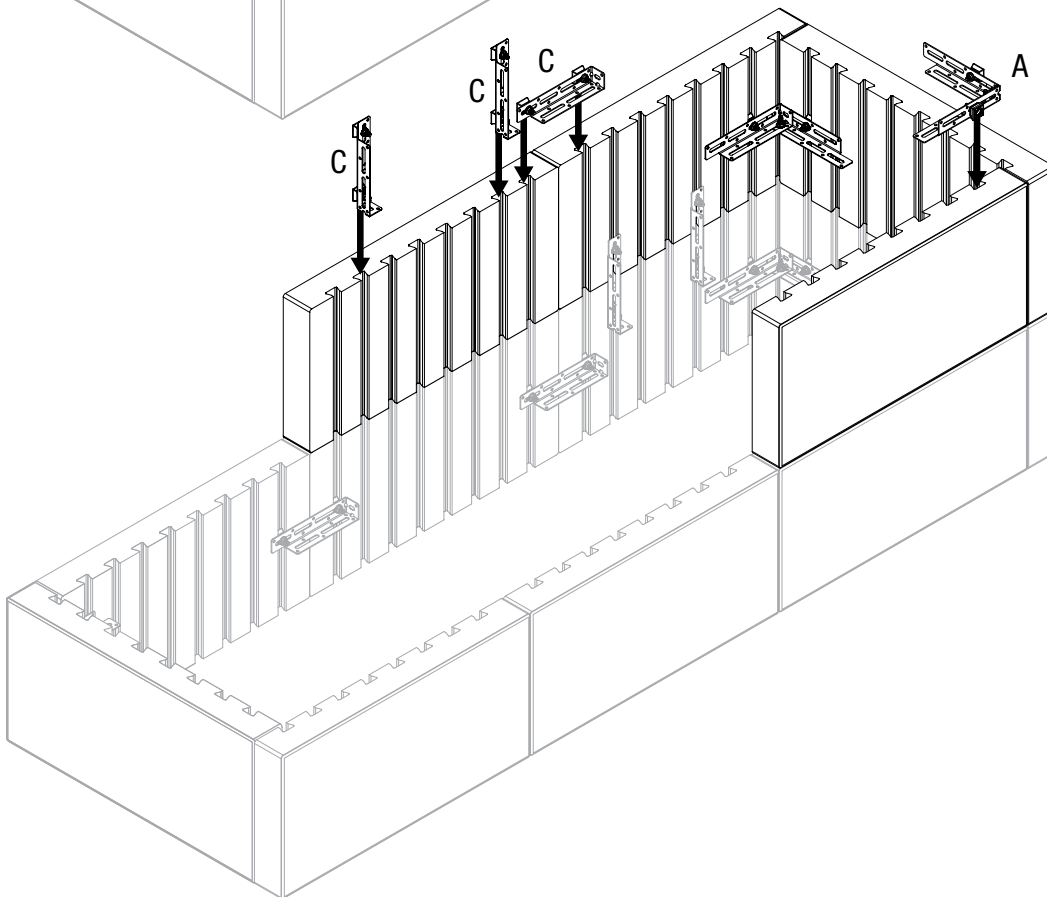
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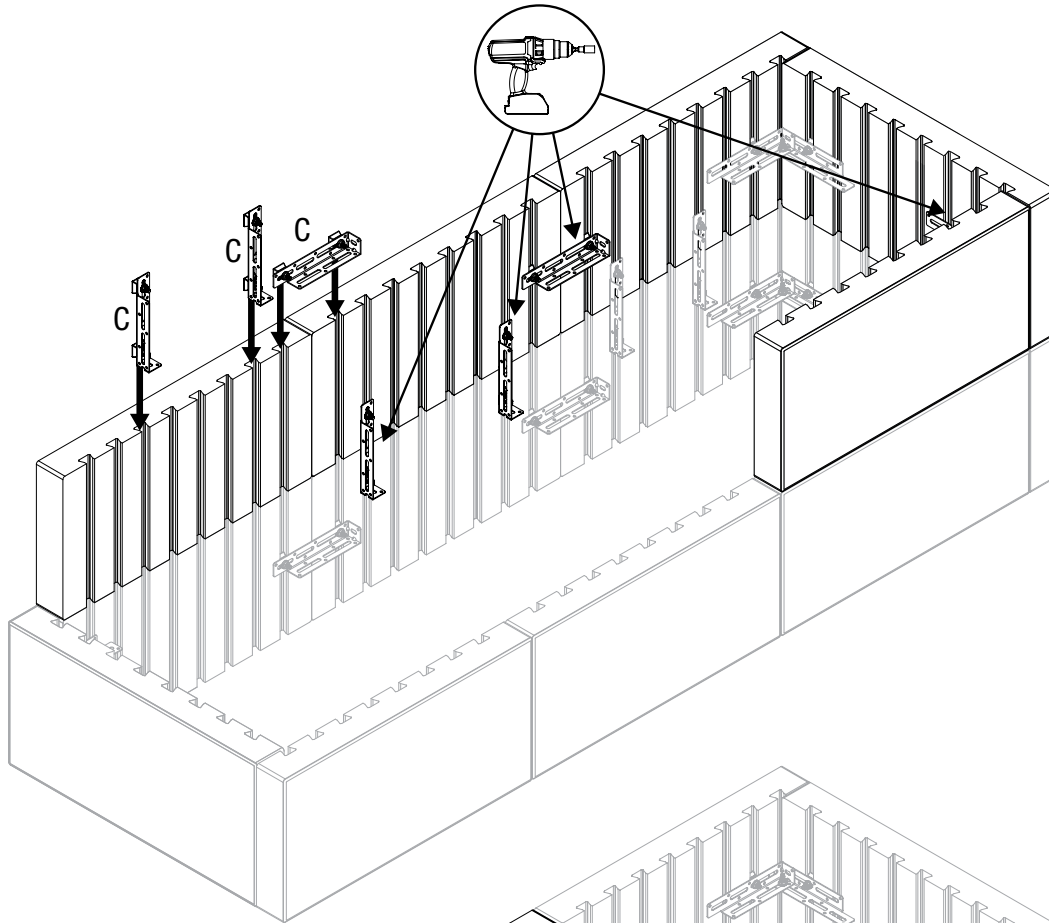
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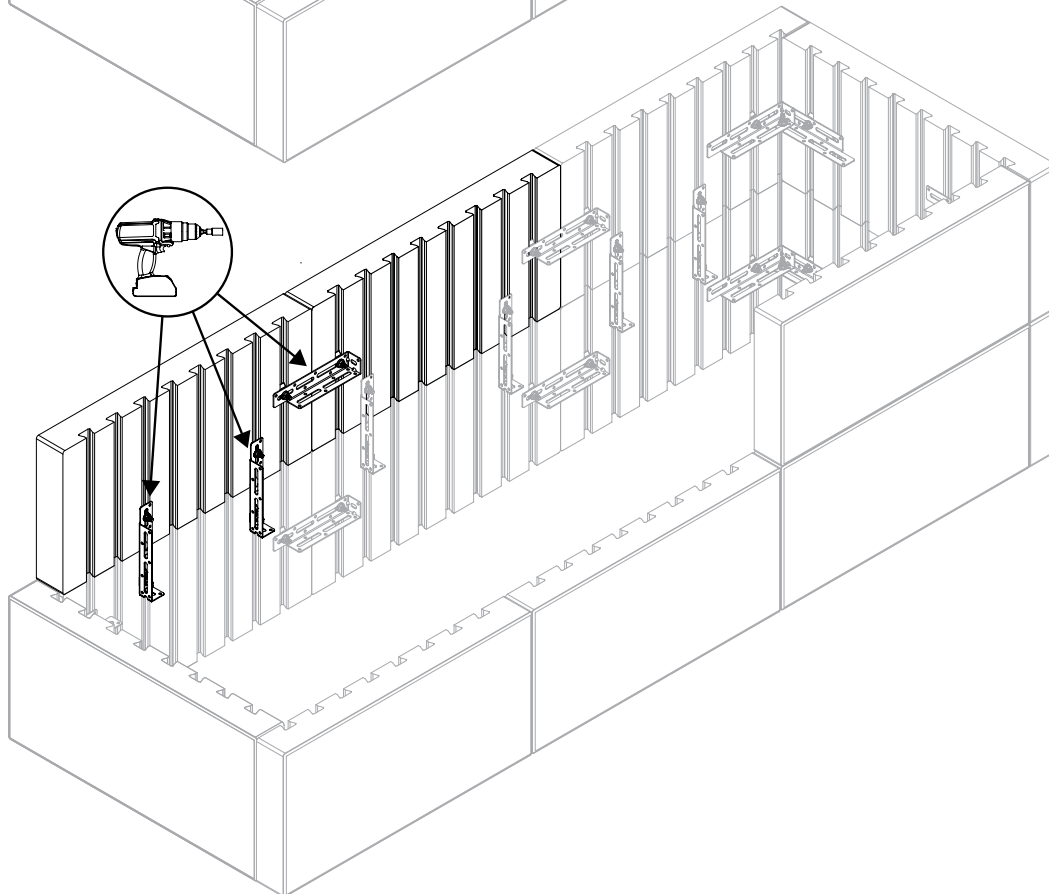
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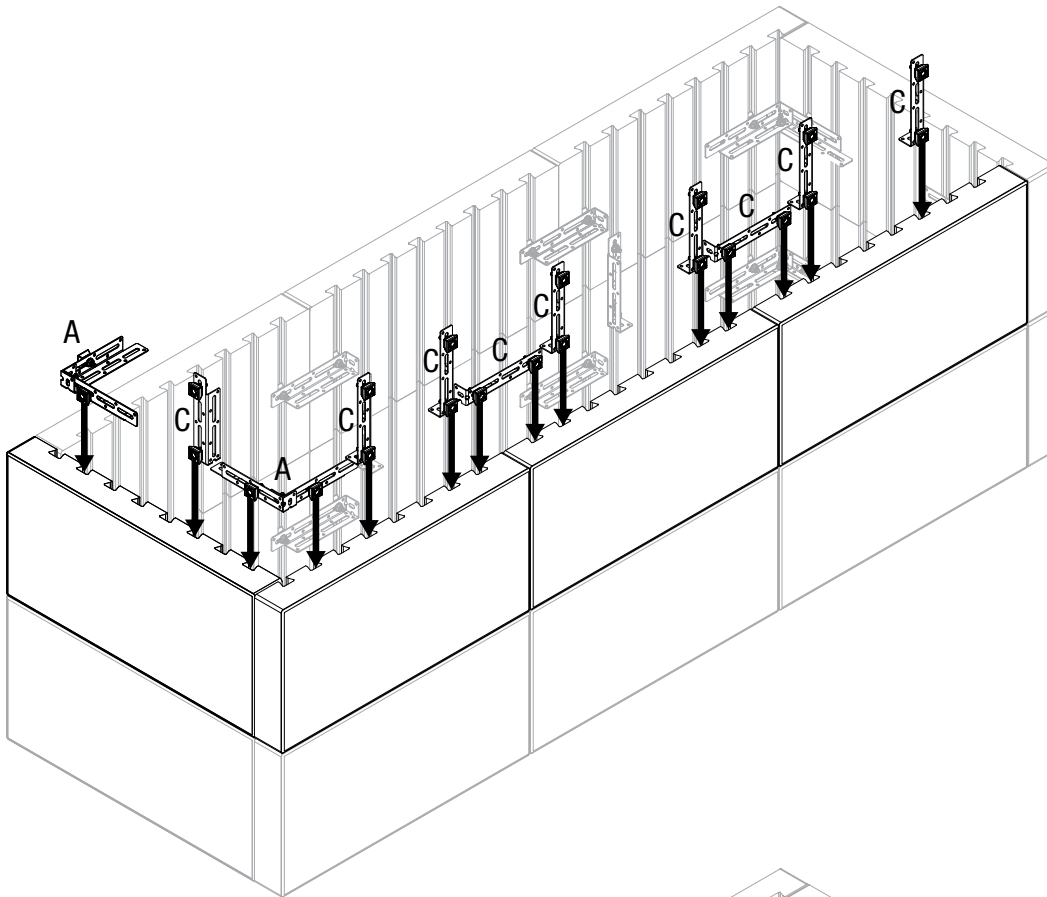
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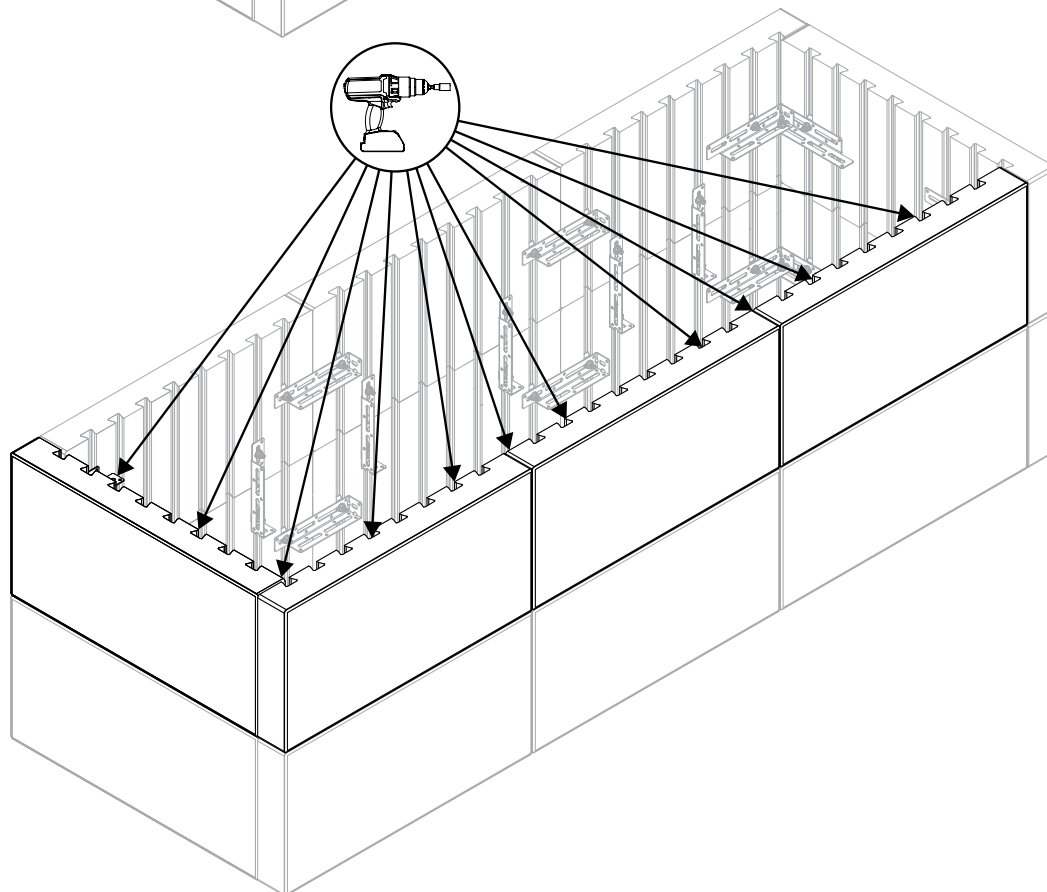
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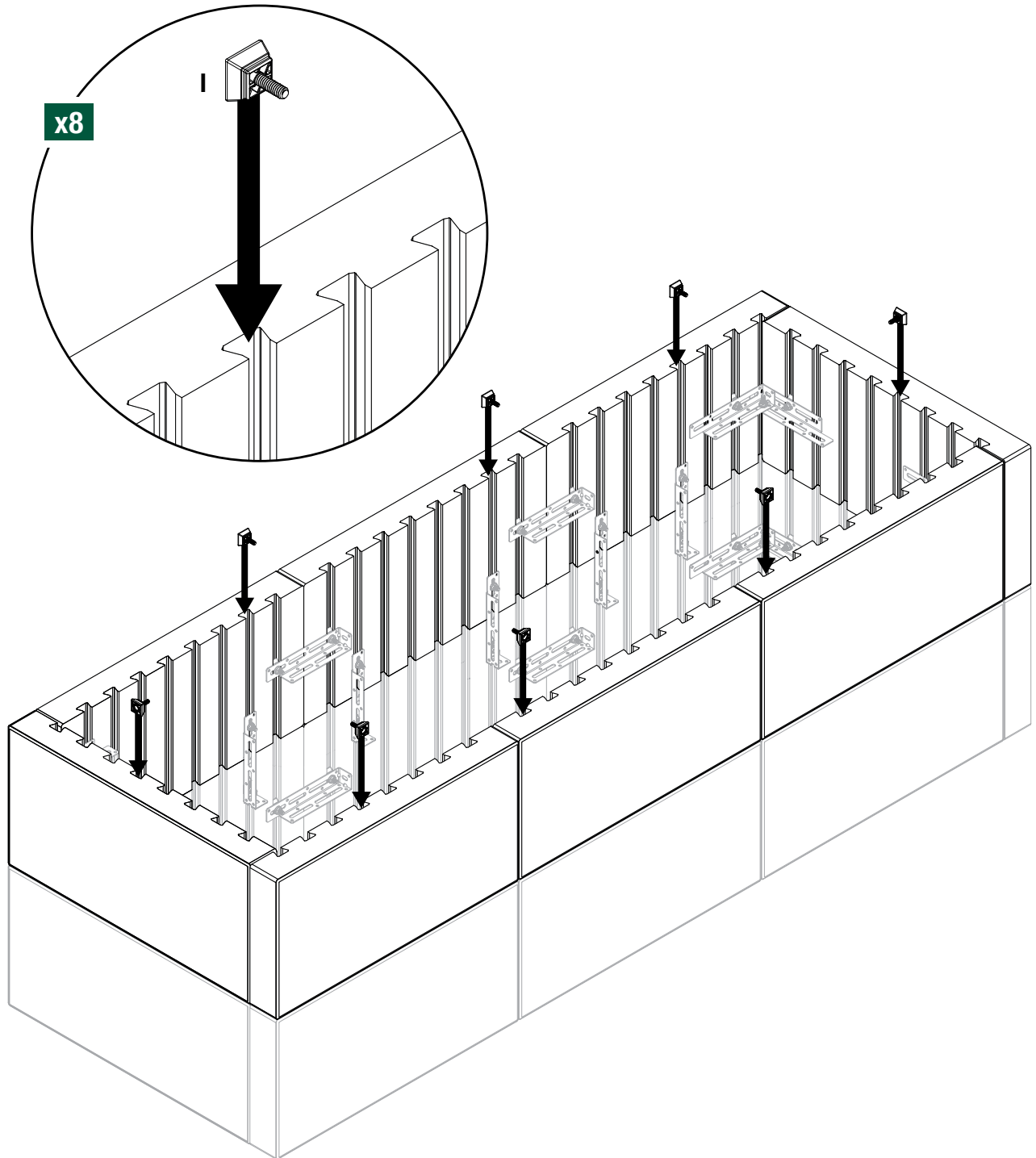
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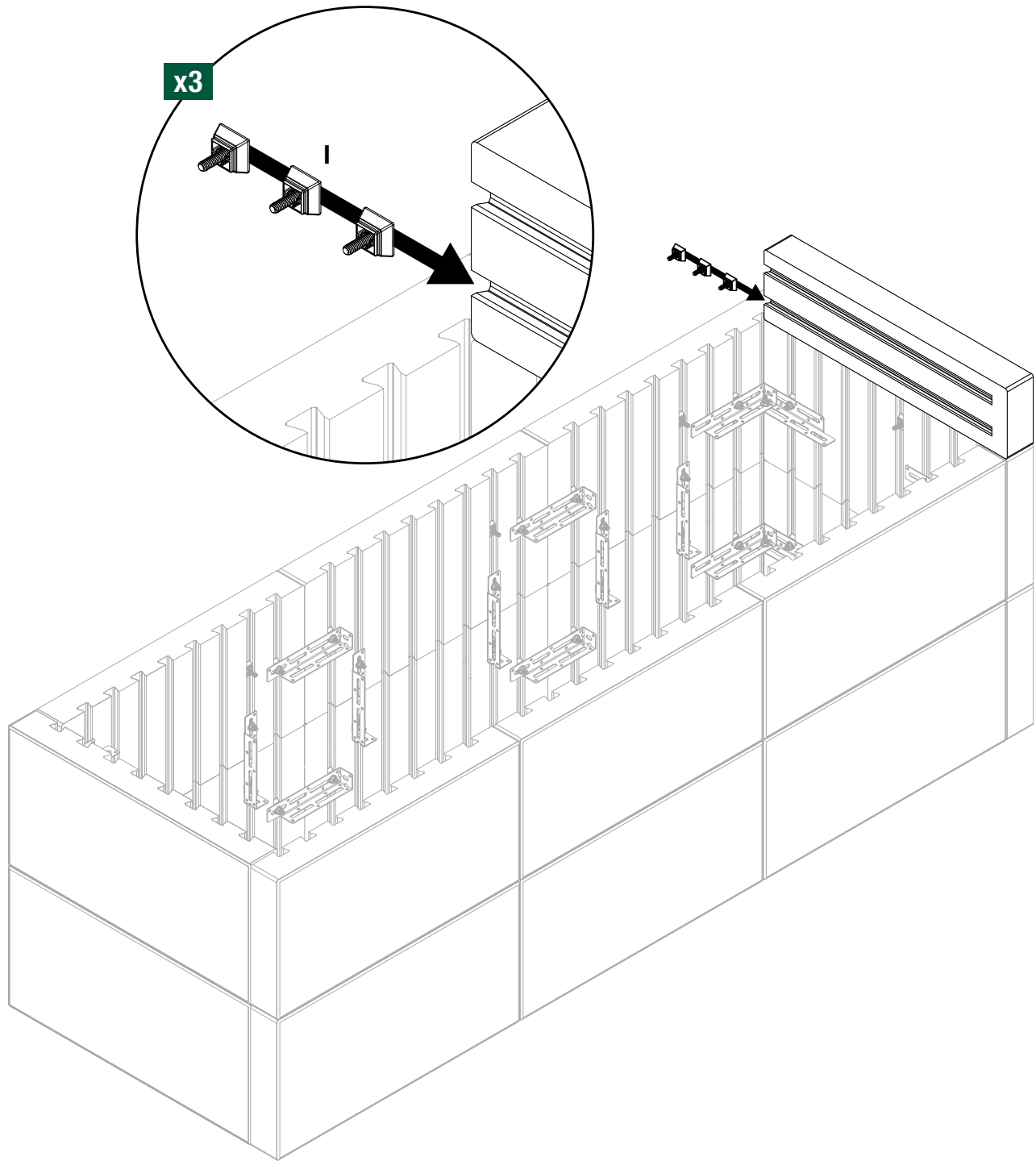
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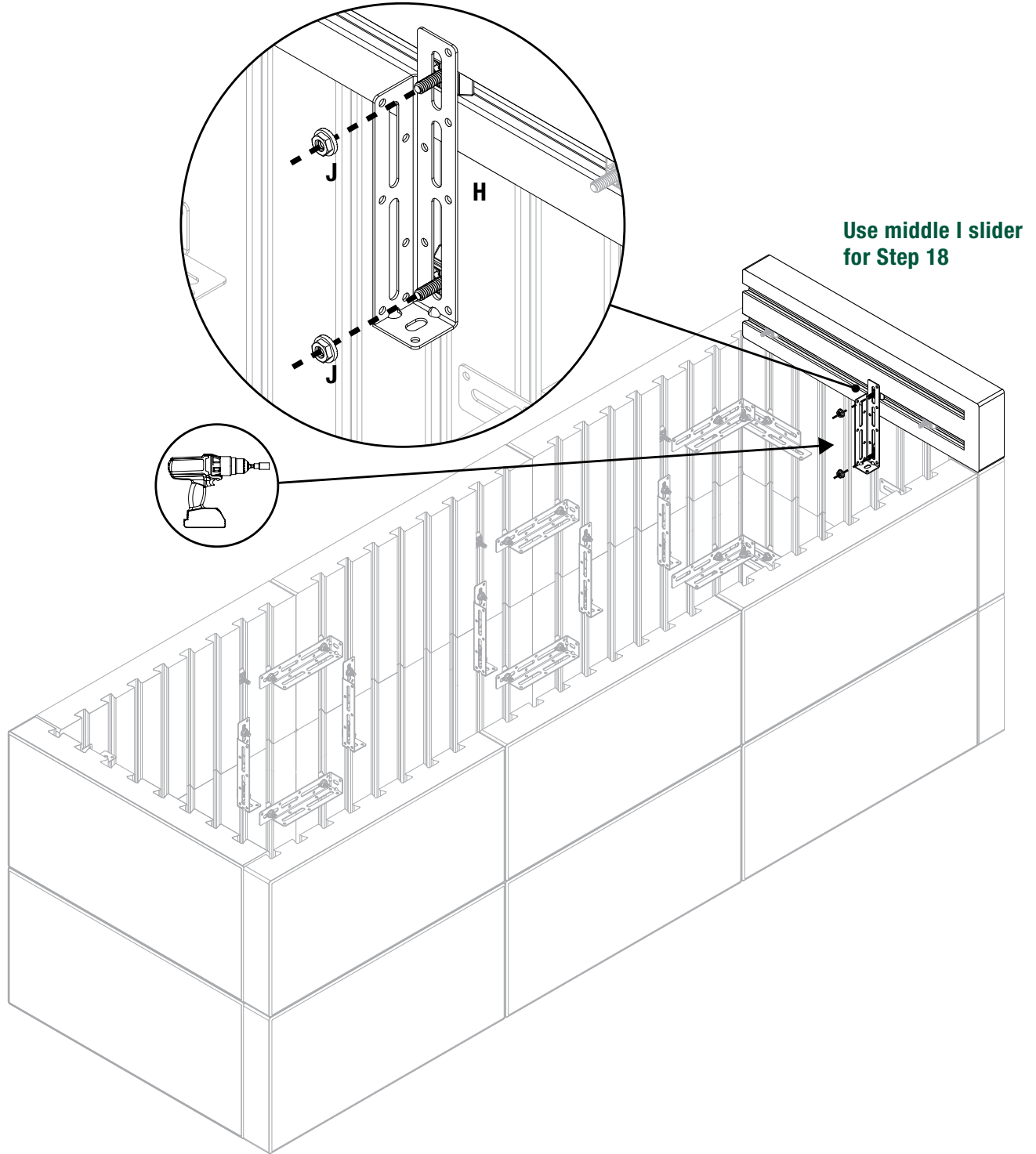
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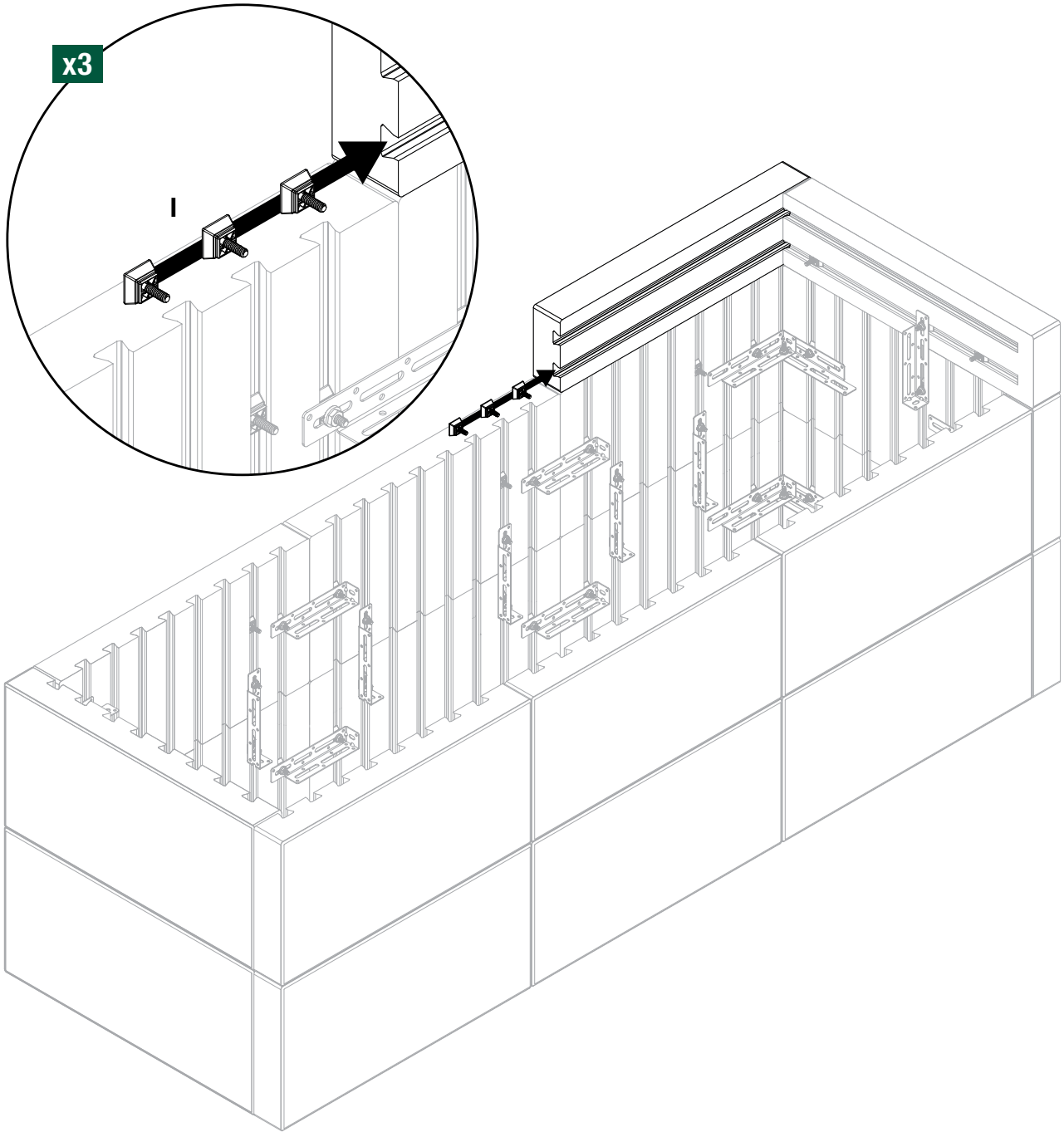
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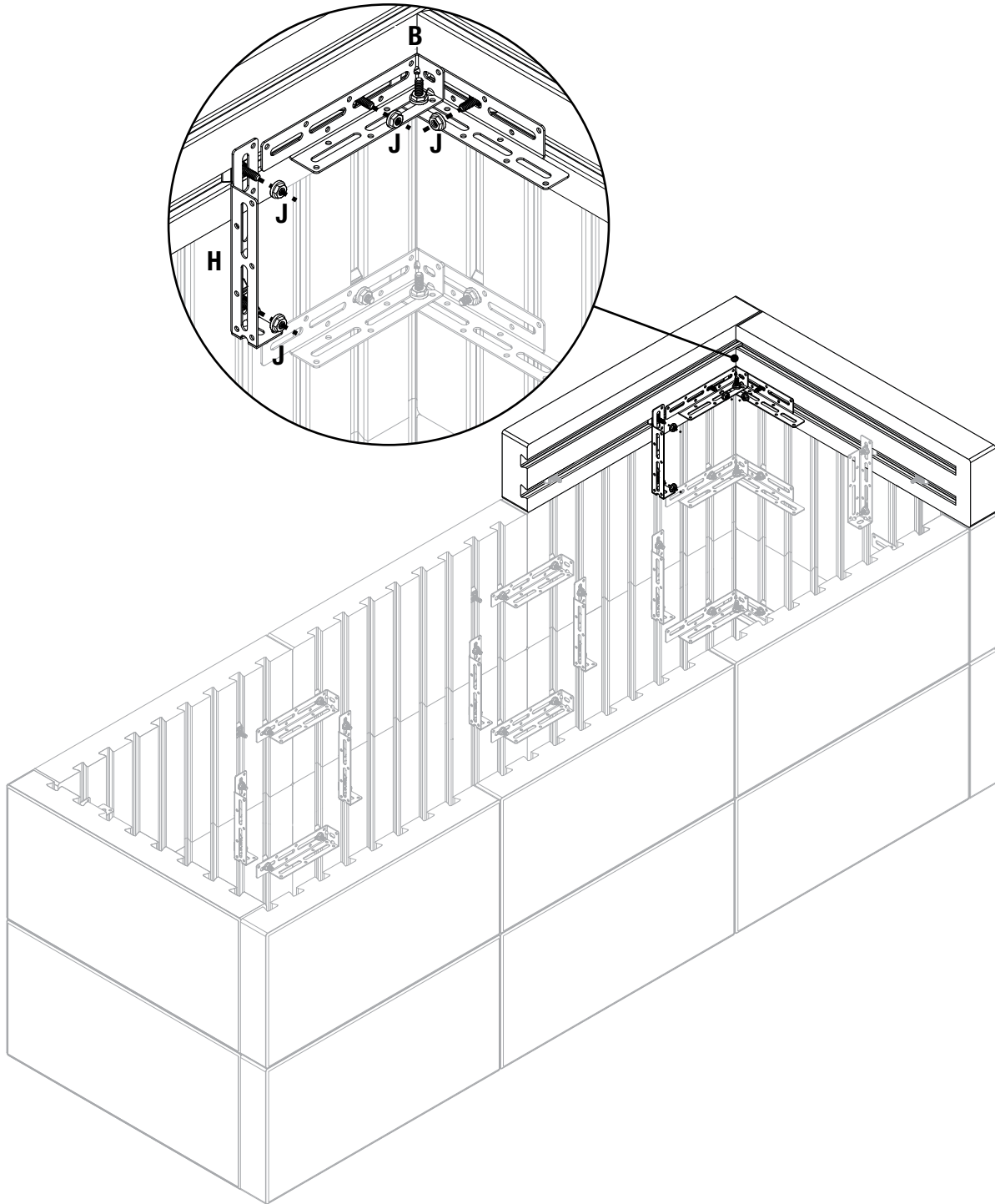
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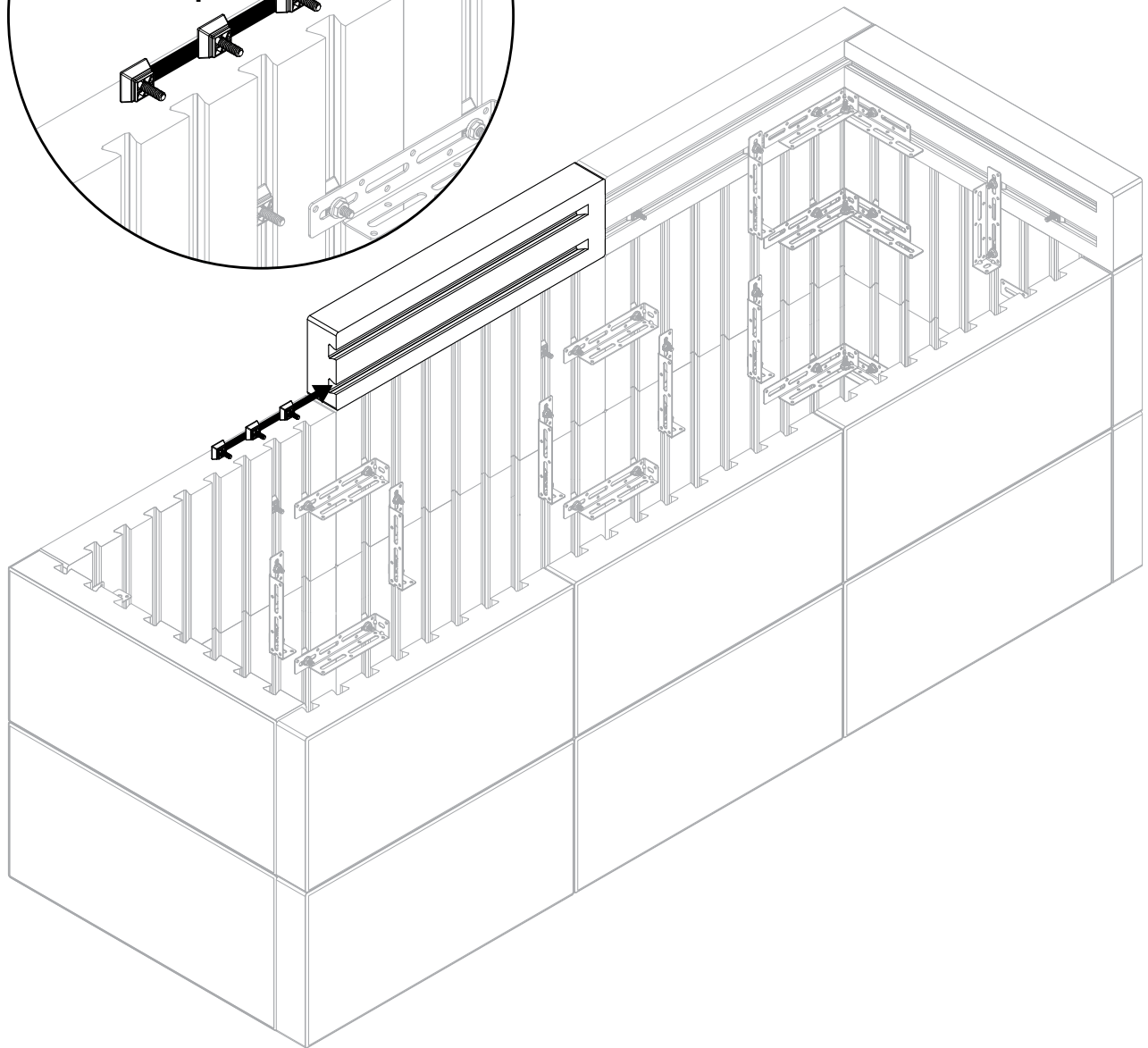
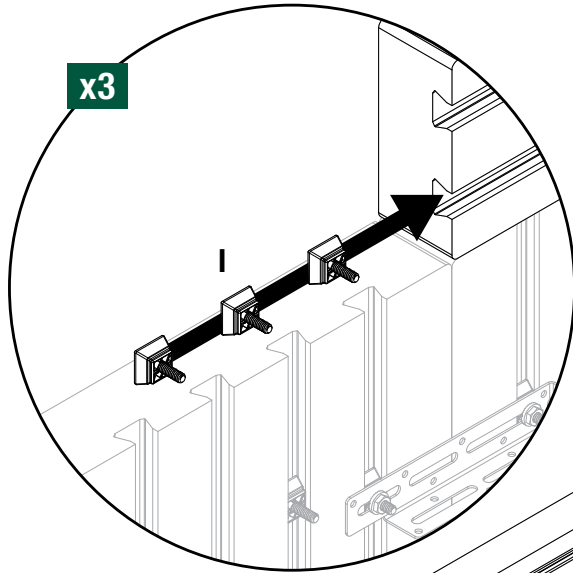
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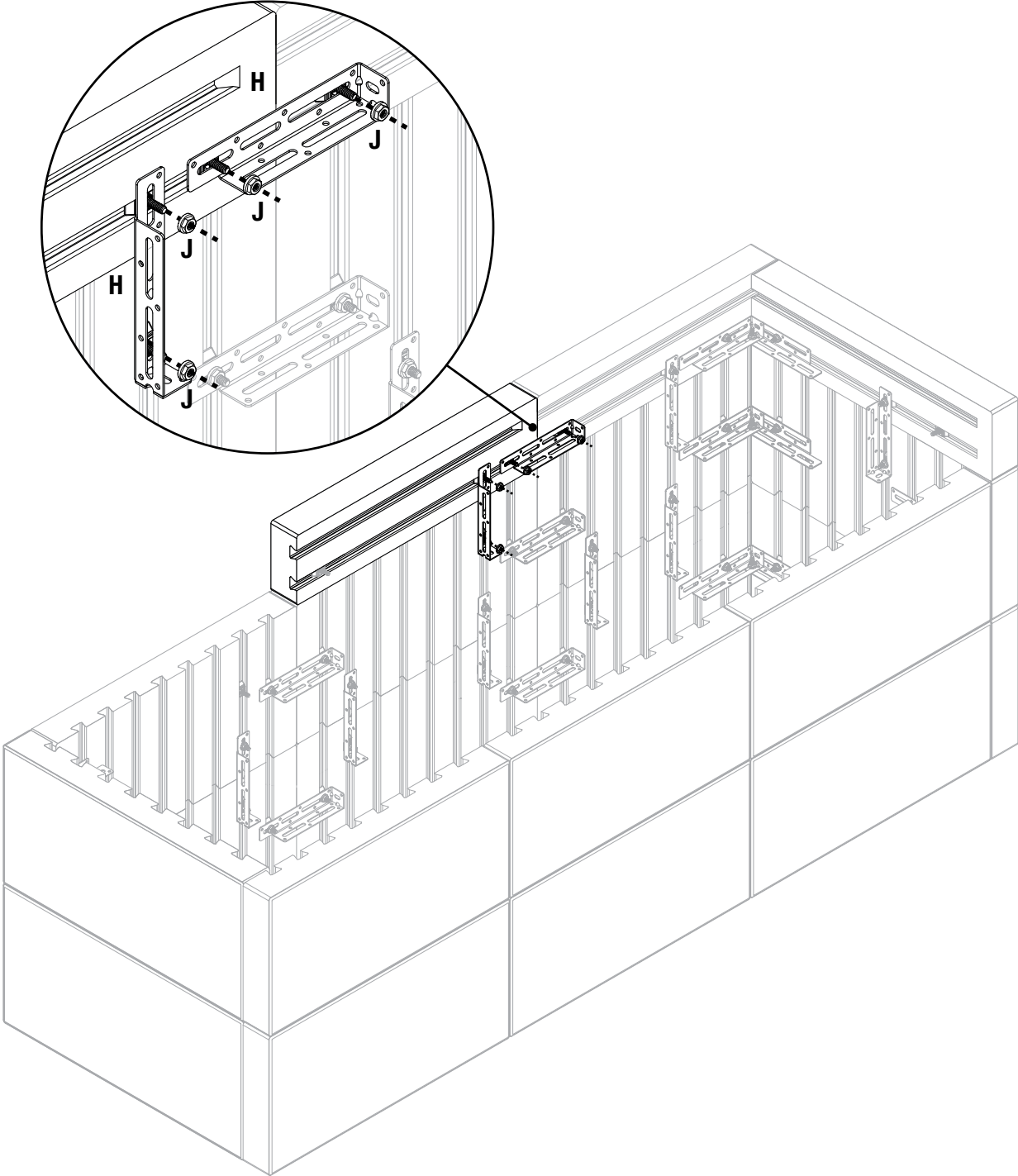
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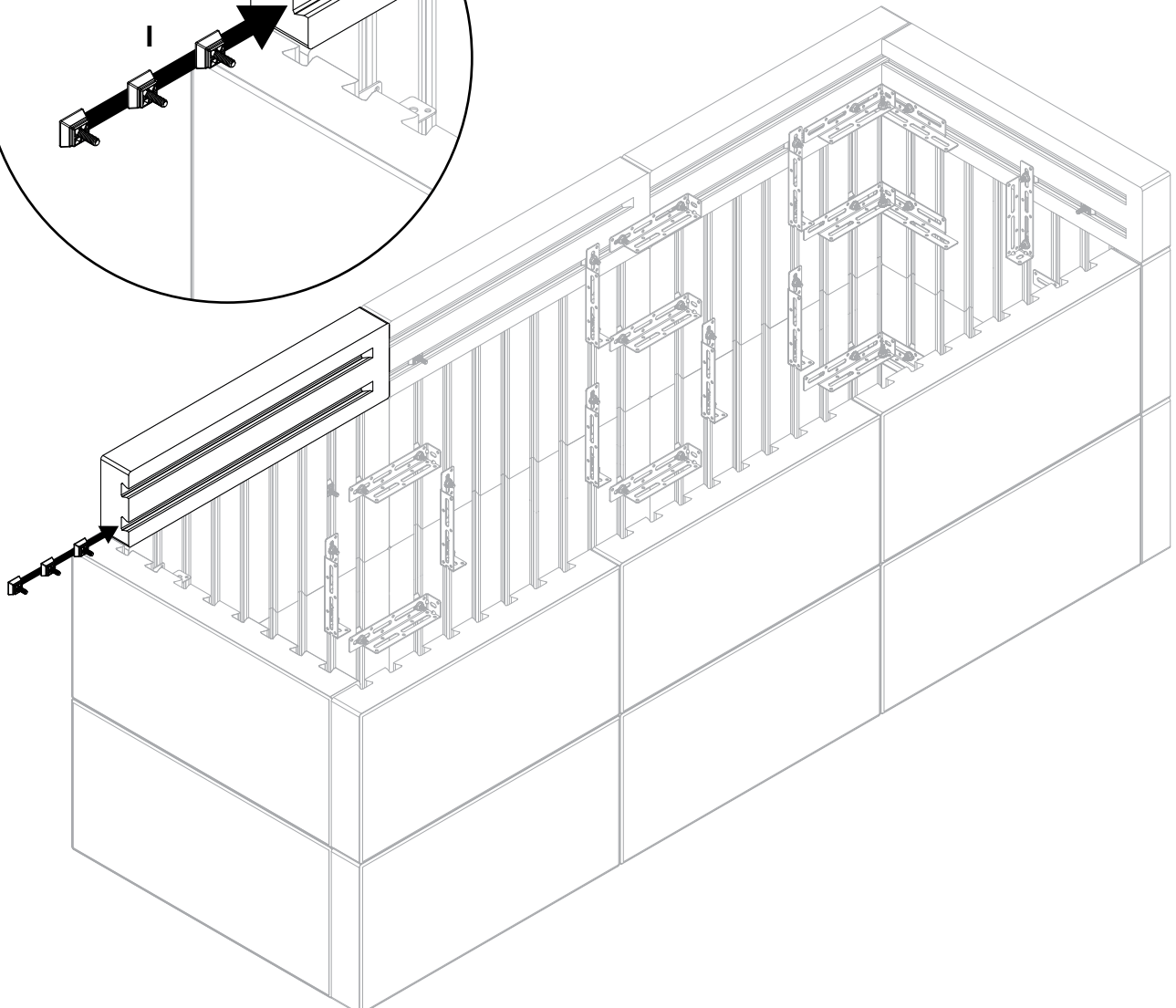
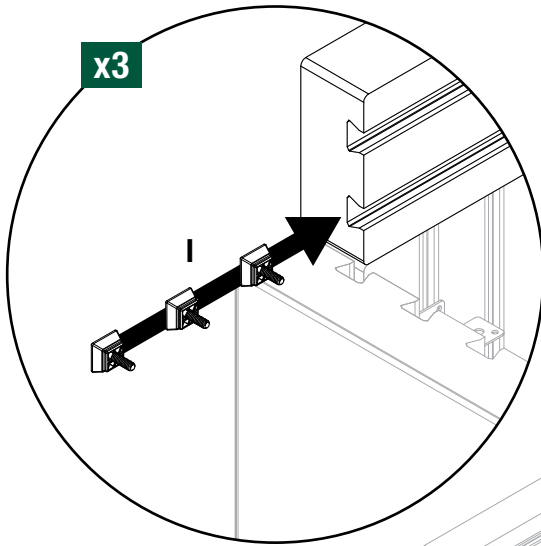
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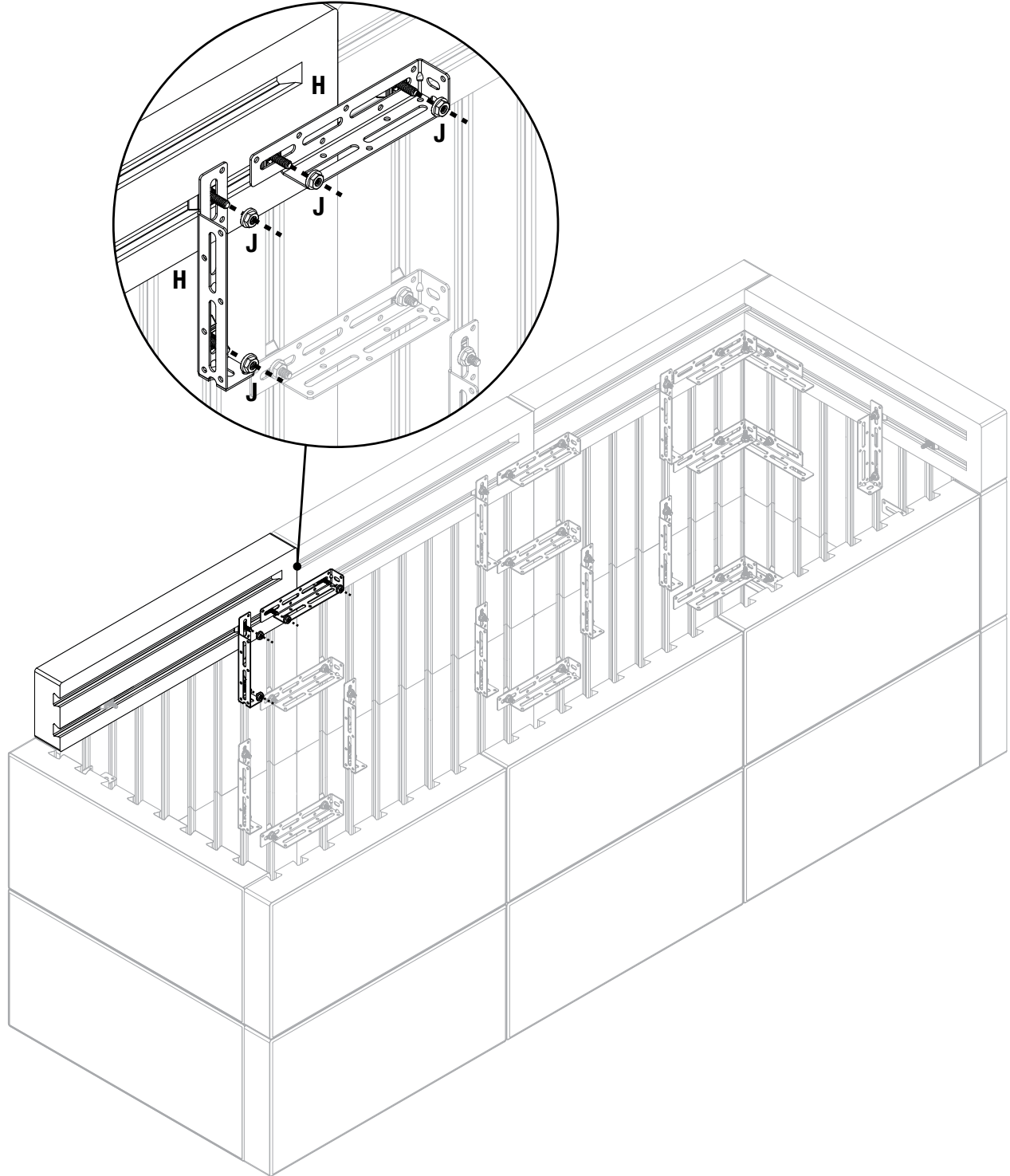
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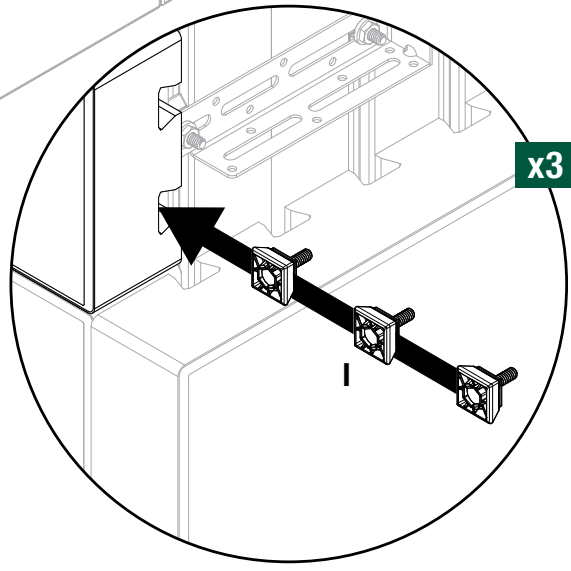
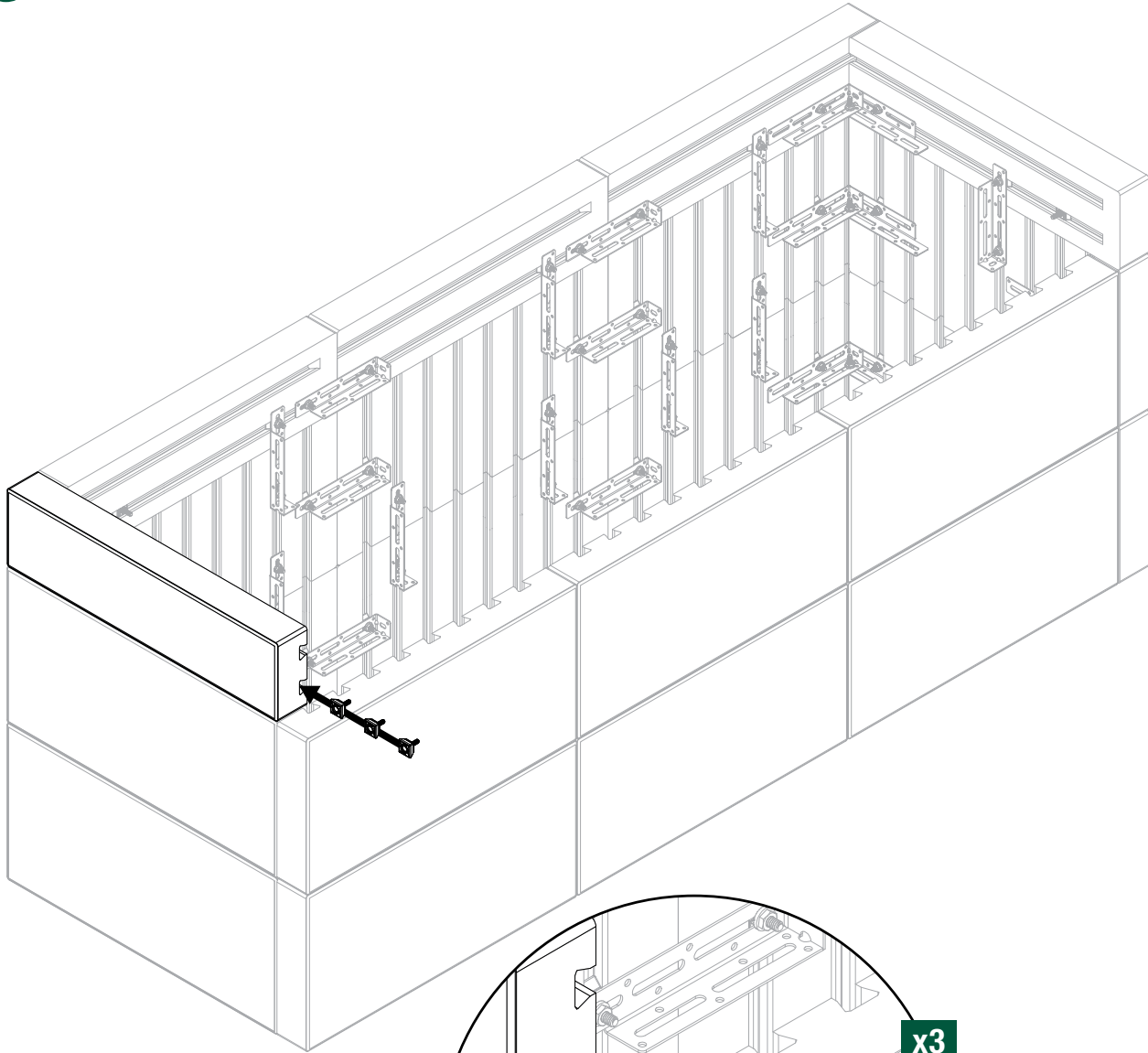
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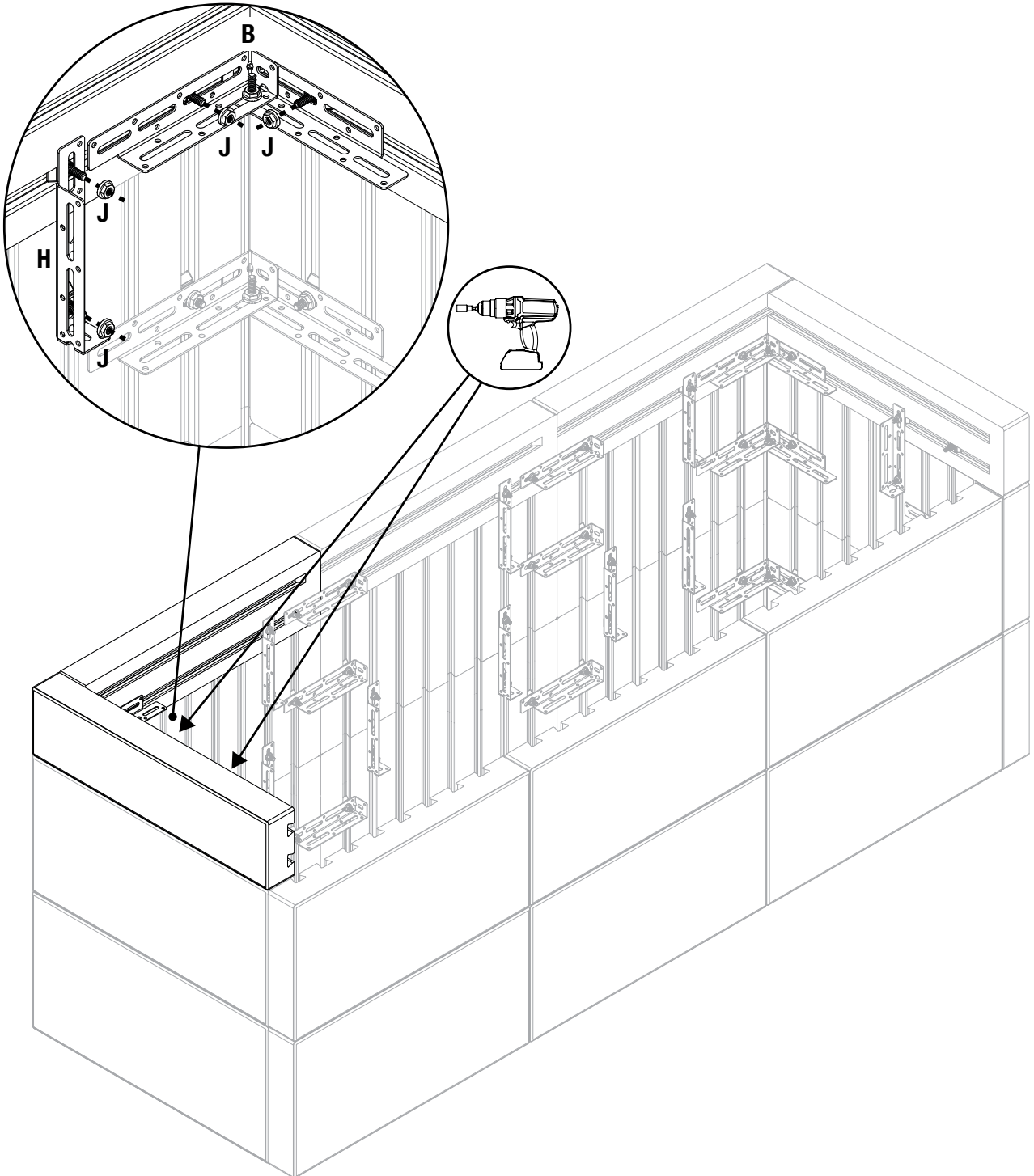
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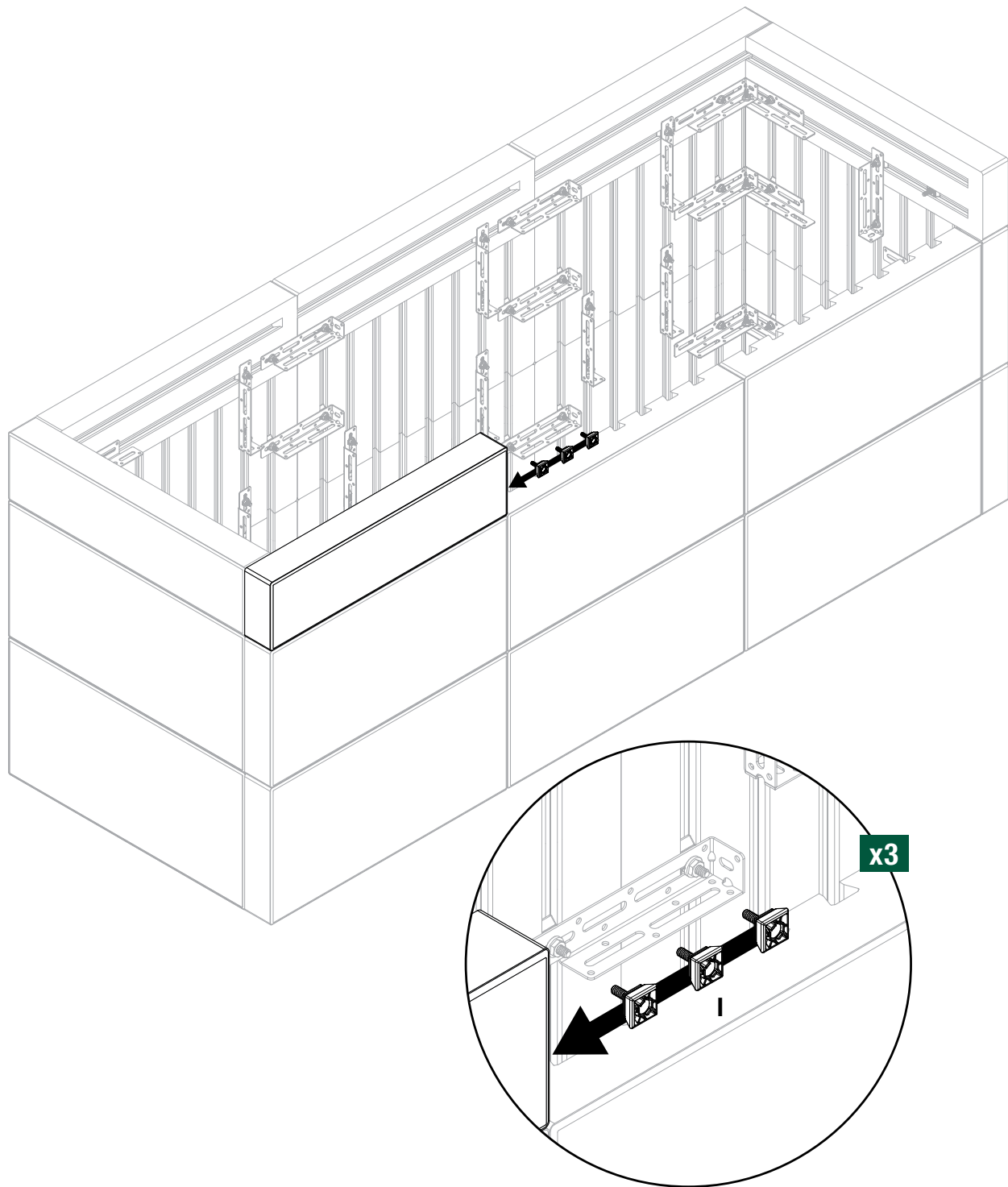
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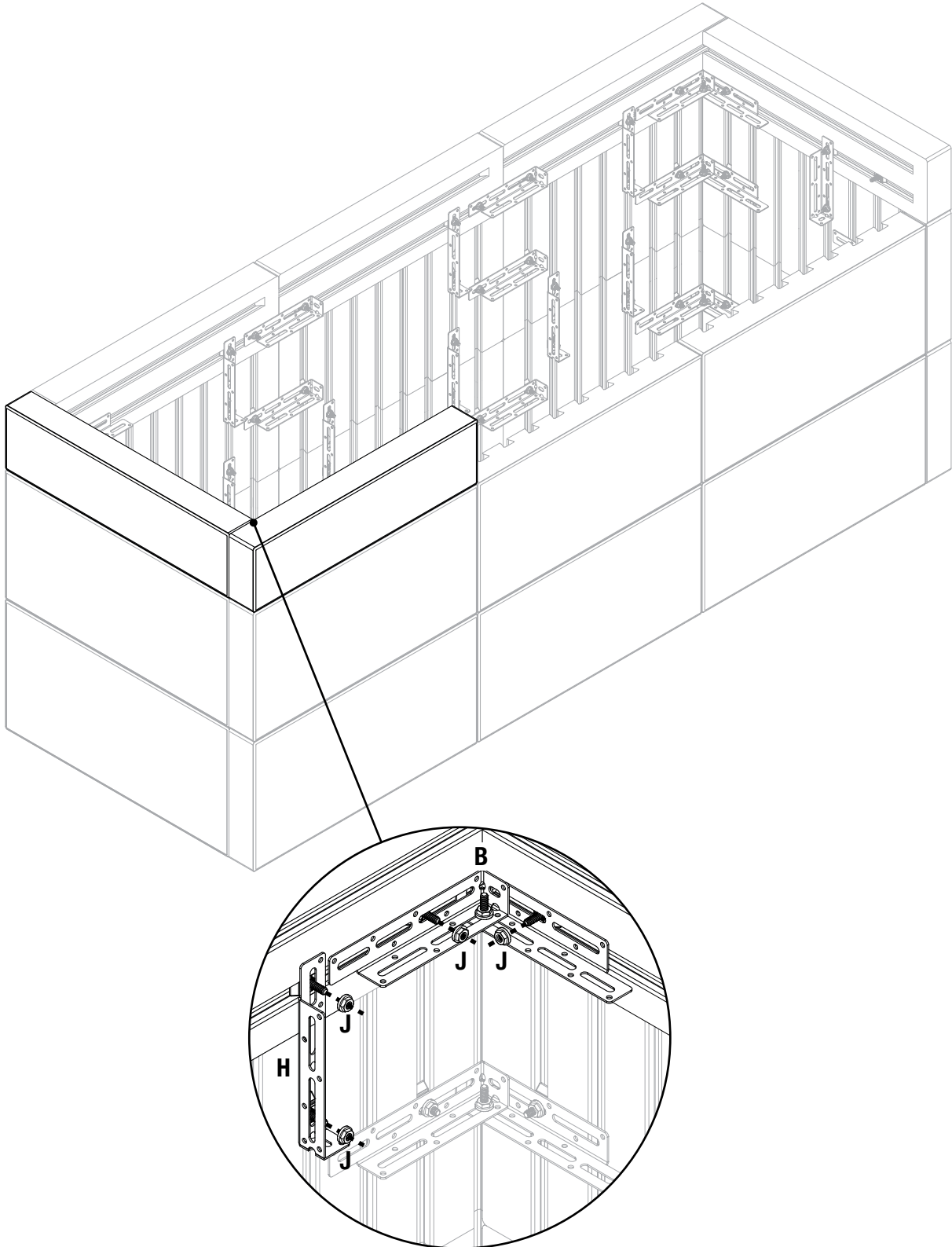
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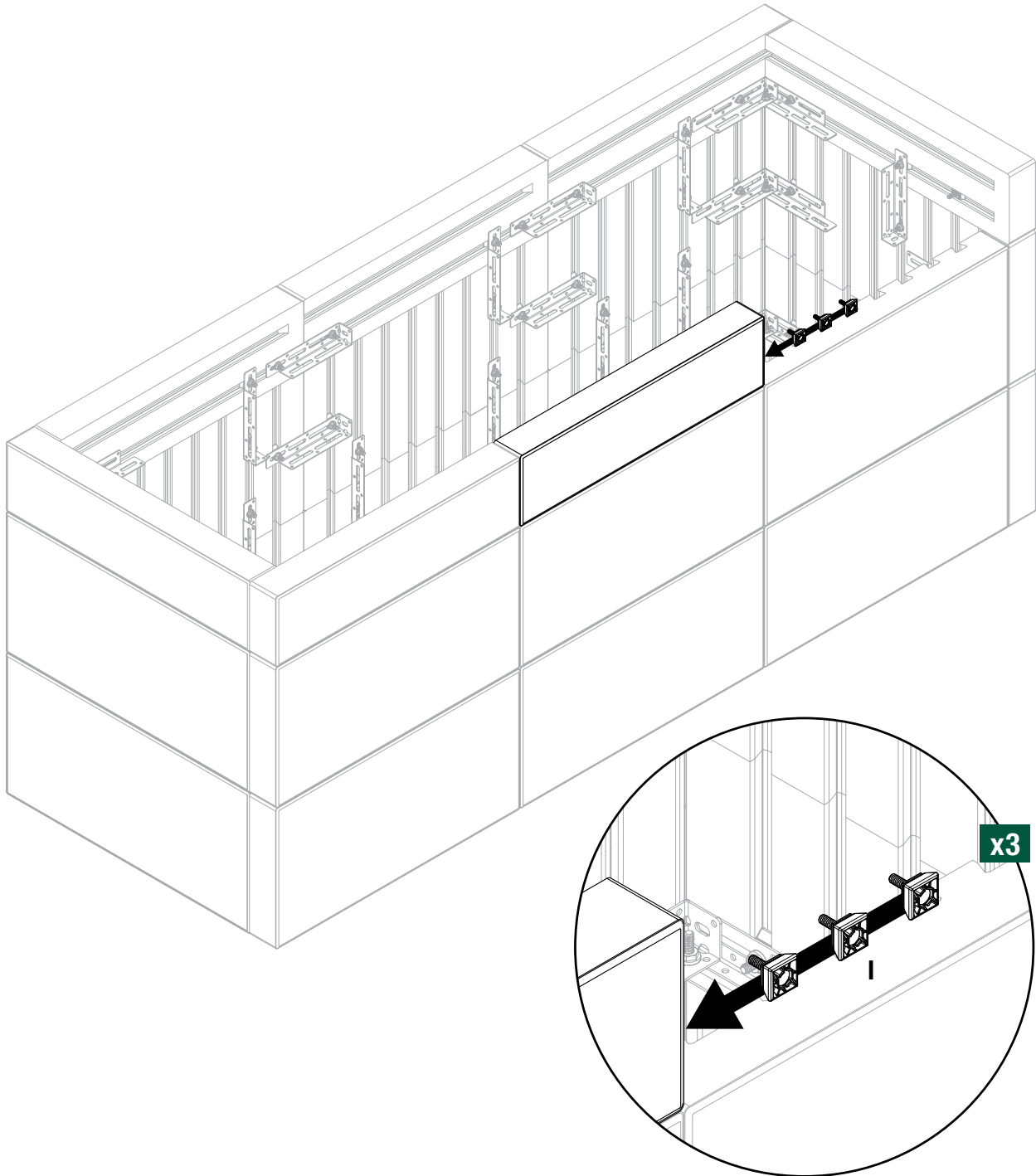
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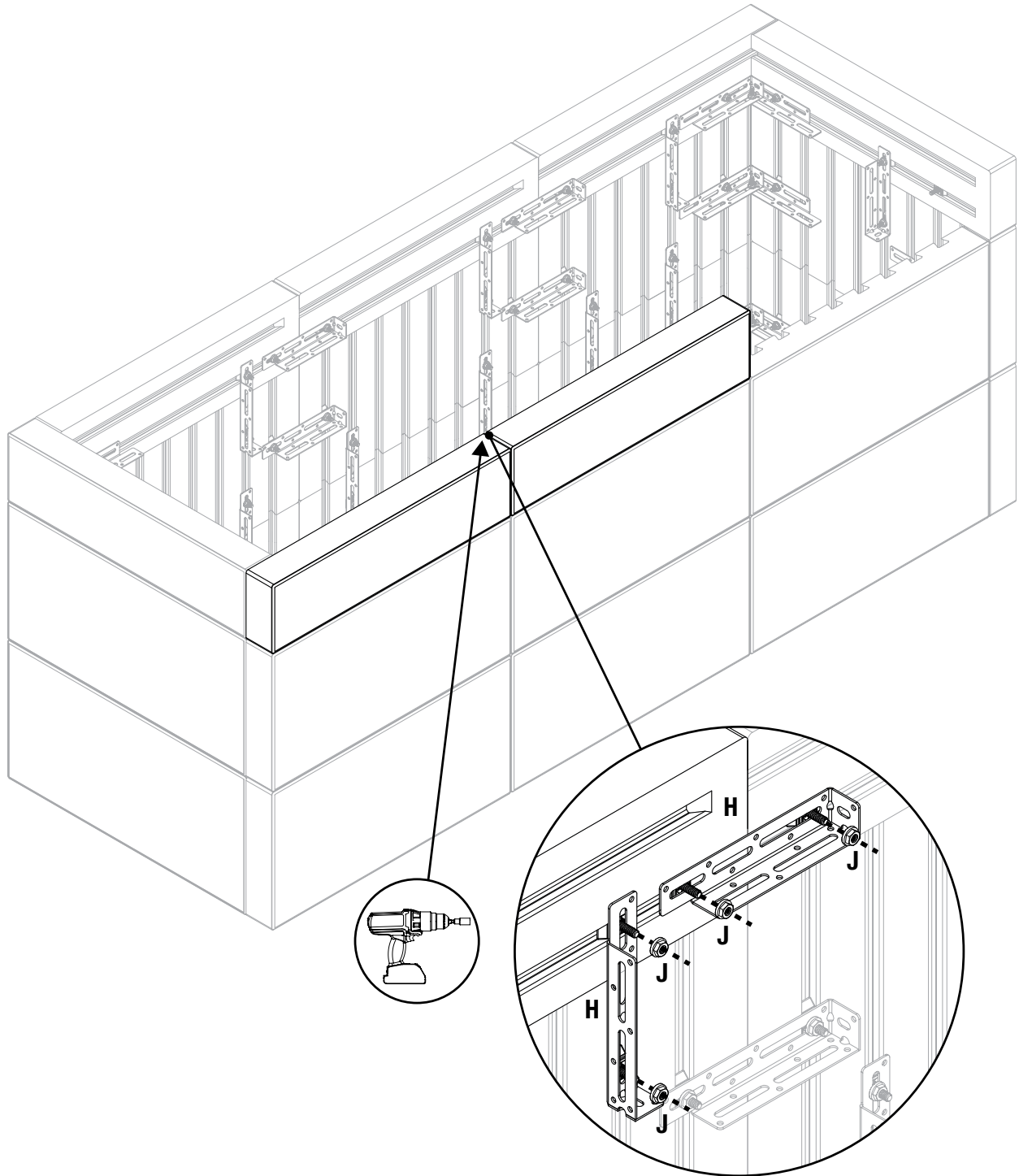
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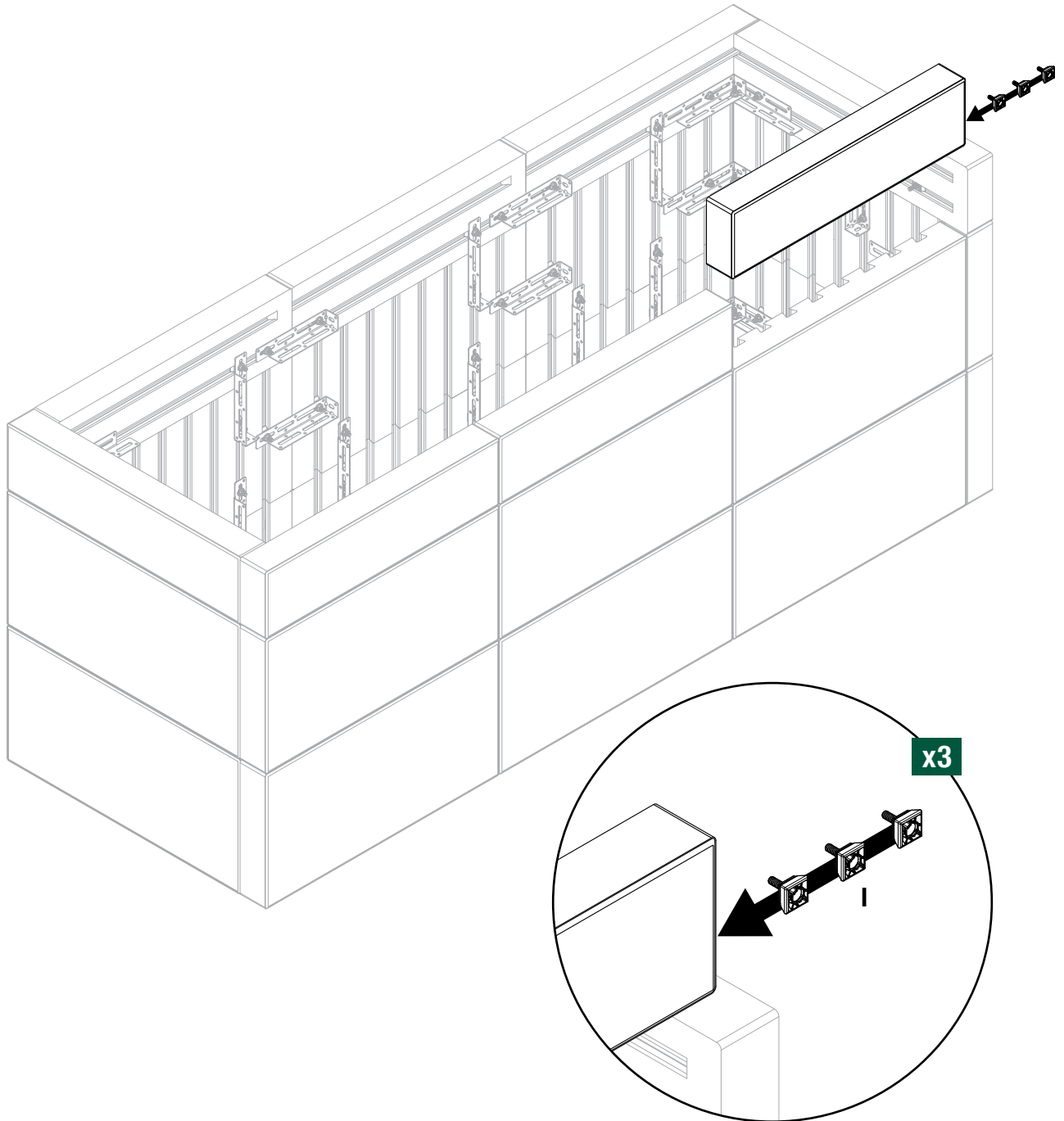
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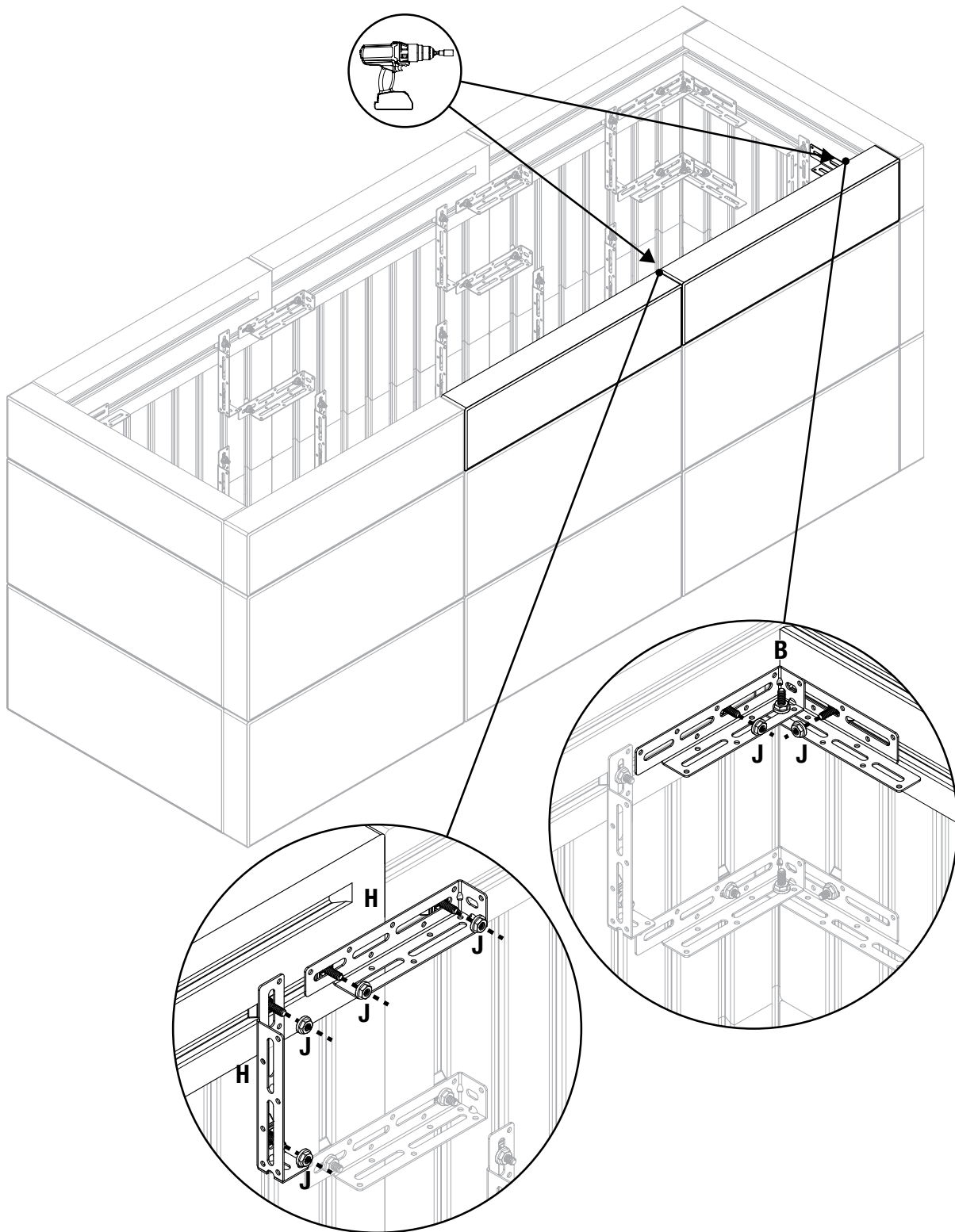
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31



32



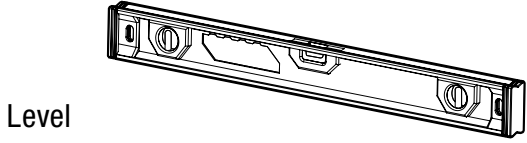
# DESIGNFORMS™

1 ft L-Shape Planter - Wood Top



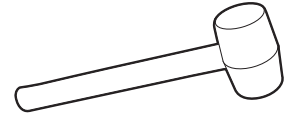
## REQUIRED TOOLS

---



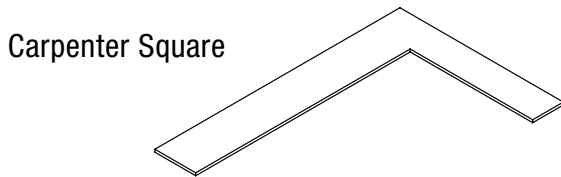
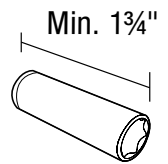
Level

Rubber Mallet



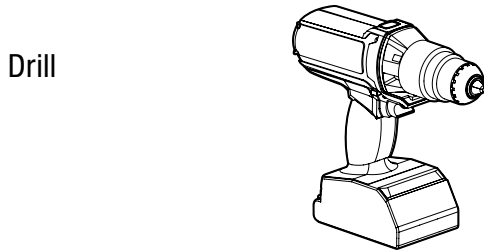
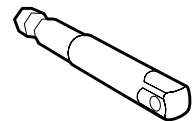
Measuring Tape

Deep Hex Socket  
7/16" with 1/4" Drive



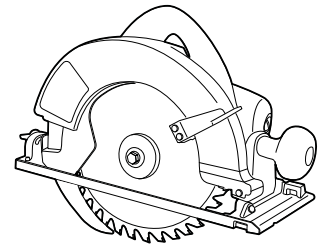
Carpenter Square

Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill

Skill Saw

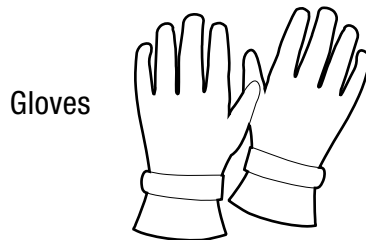


## SAFETY EQUIPMENT

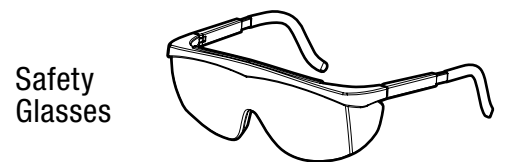
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Safety  
Boots



Gloves

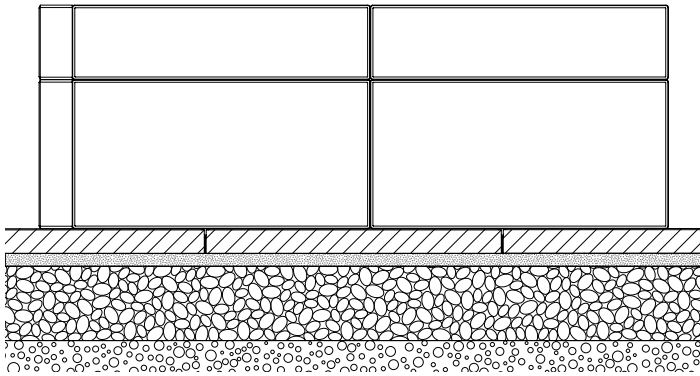


Safety  
Glasses

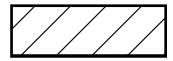
## BASE PREPARATION

*Always level ground before installation*

### On new or existing patio



Slab or Paver



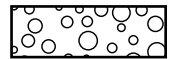
Bedding Sand 1"



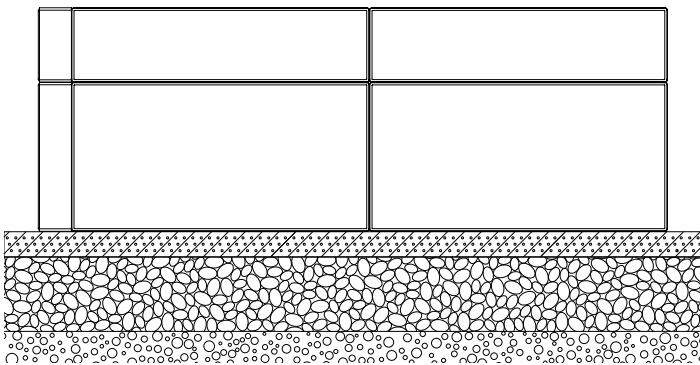
Compacted aggregates 6" - 8"



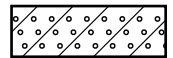
Soil



### On poured concrete



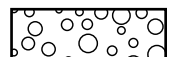
Reinforced Poured Concrete Foundation 2"



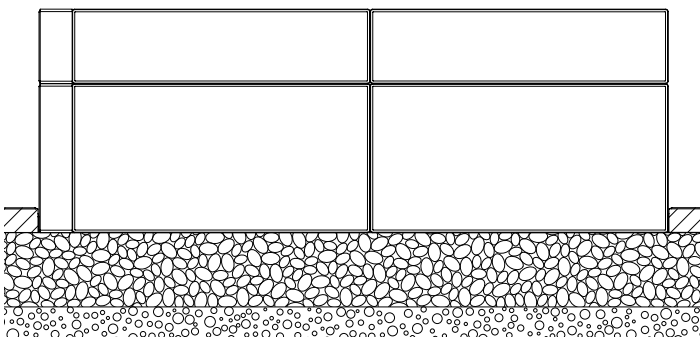
Compacted aggregates 6" - 8"



Soil



### On compacted foundation



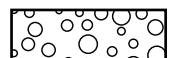
Slab or Paver



Compacted aggregates 6" - 8"



Soil

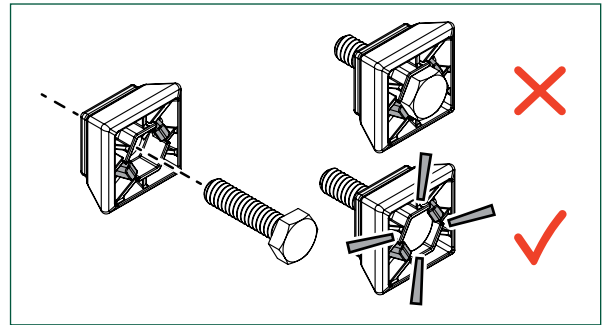


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

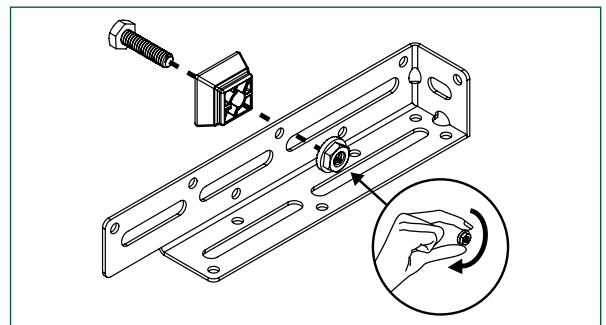
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

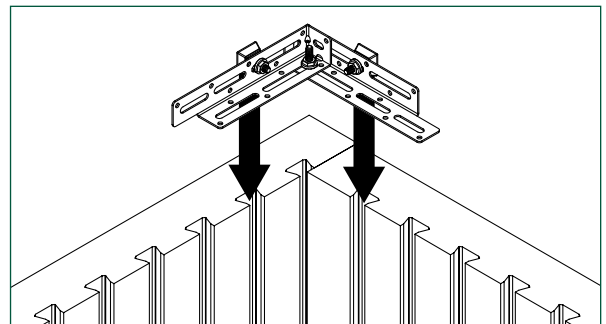
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

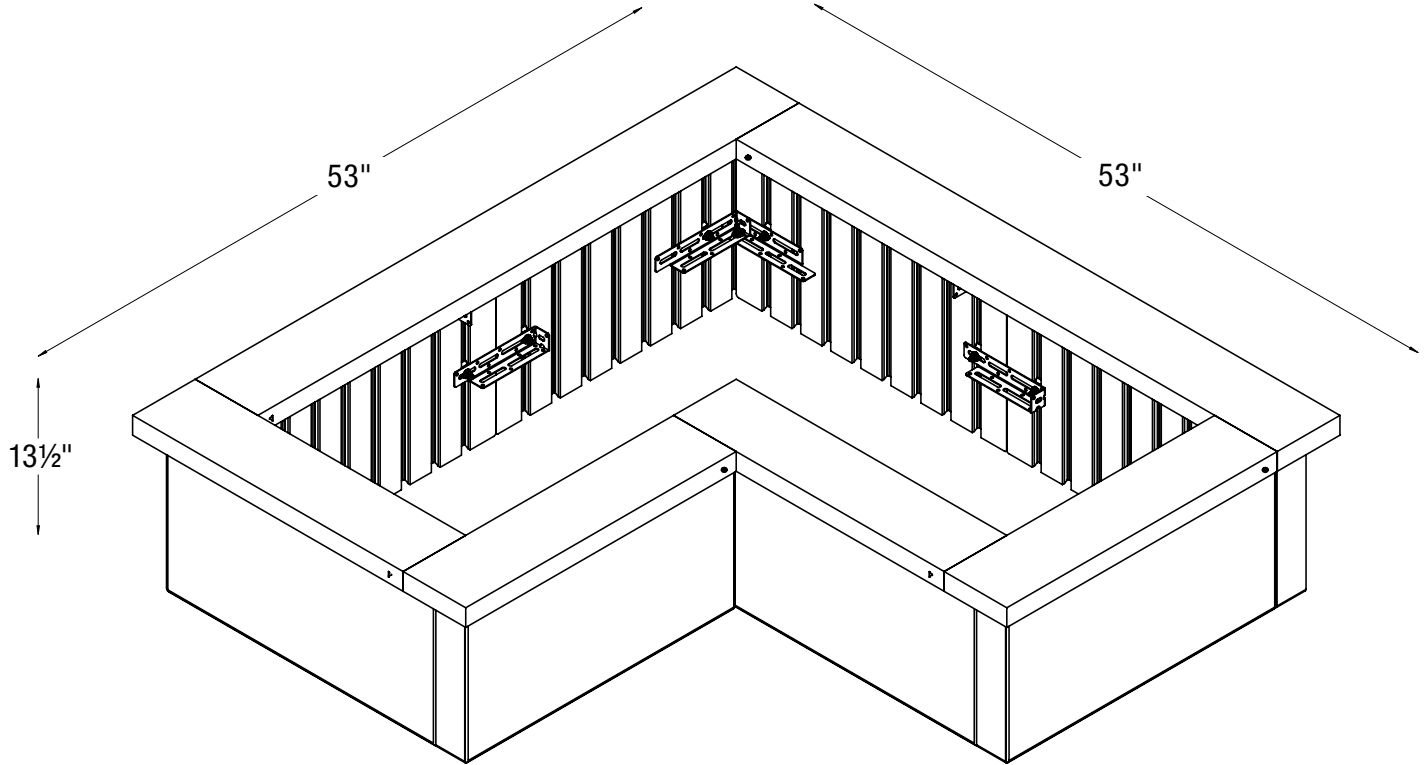
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

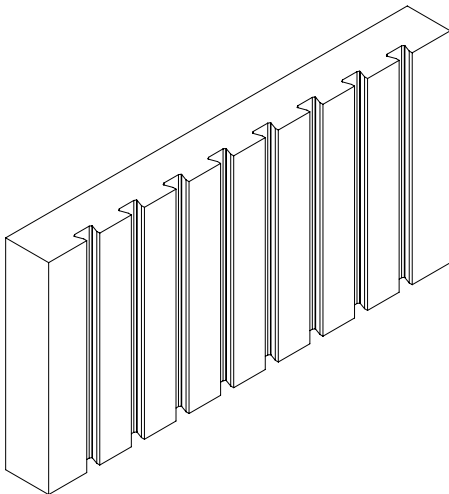
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

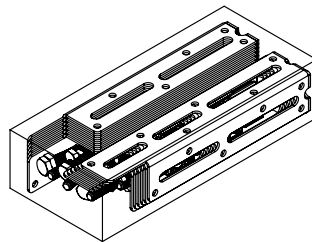


## COMPONENTS

Large Panel (x8)  
12" x 24"



Hardware Kit (x2)



**BRACKET A** x5

x2    x3    x1    x3    x2

1    2

**BRACKET C** x4

x1    x2    x2    x2

1

**BRACKET D** x6

x1    x1    x1    x1

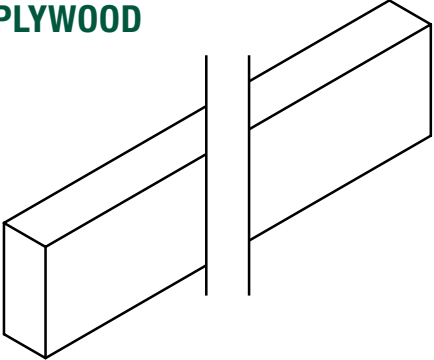
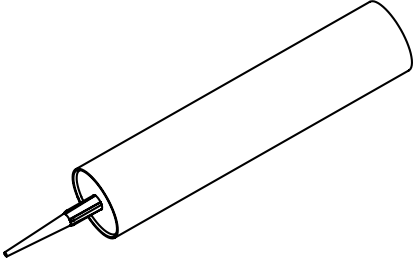
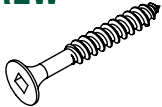

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**BRACKET F** x1

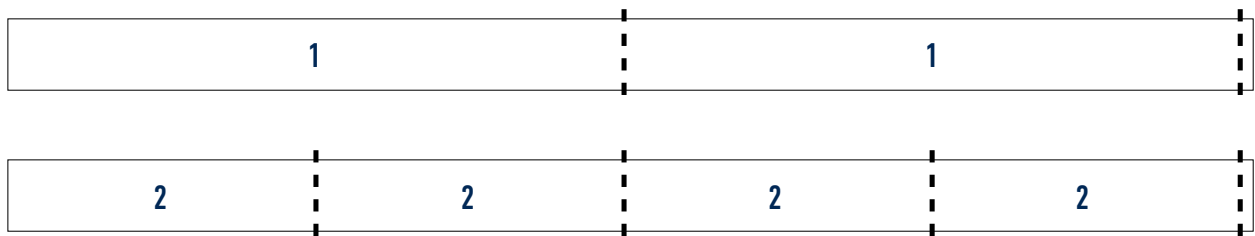
x2    x3    x1    x3    x2

1    2

ADDITIONAL WOOD CAP COMPONENTS

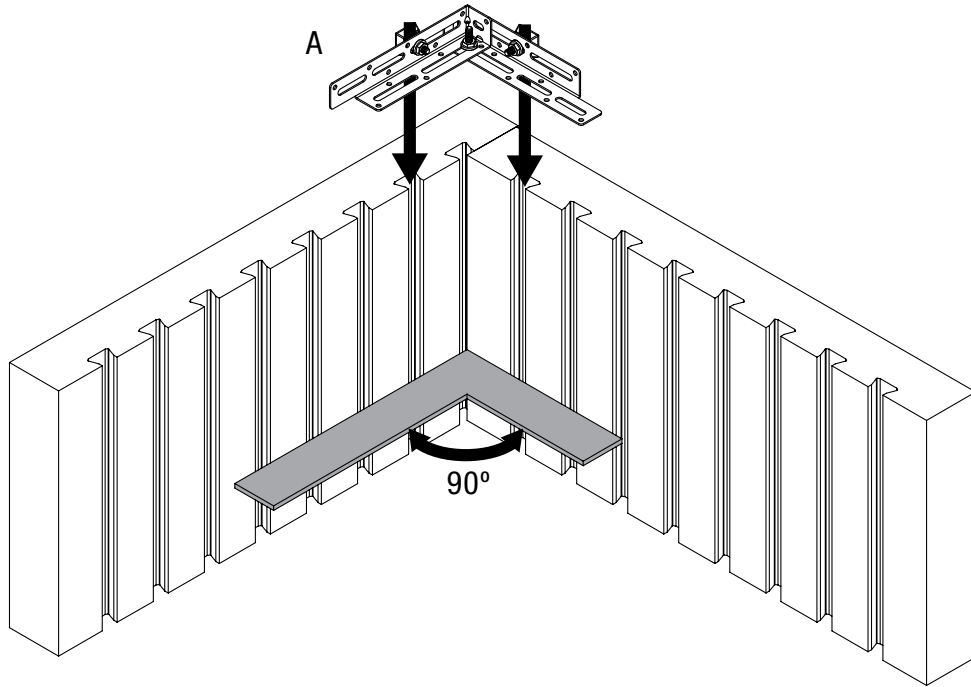
<p><b>2" x 6" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p>  <p><b>x2</b></p>	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p>  <p><b>x1</b></p>	<p><b>A #8 1¼" DECK SCREW</b></p>  <p><b>x16</b></p>
		<p><b>B #8 3" DECK SCREW</b></p>  <p><b>x12</b></p>

WOOD CUTS

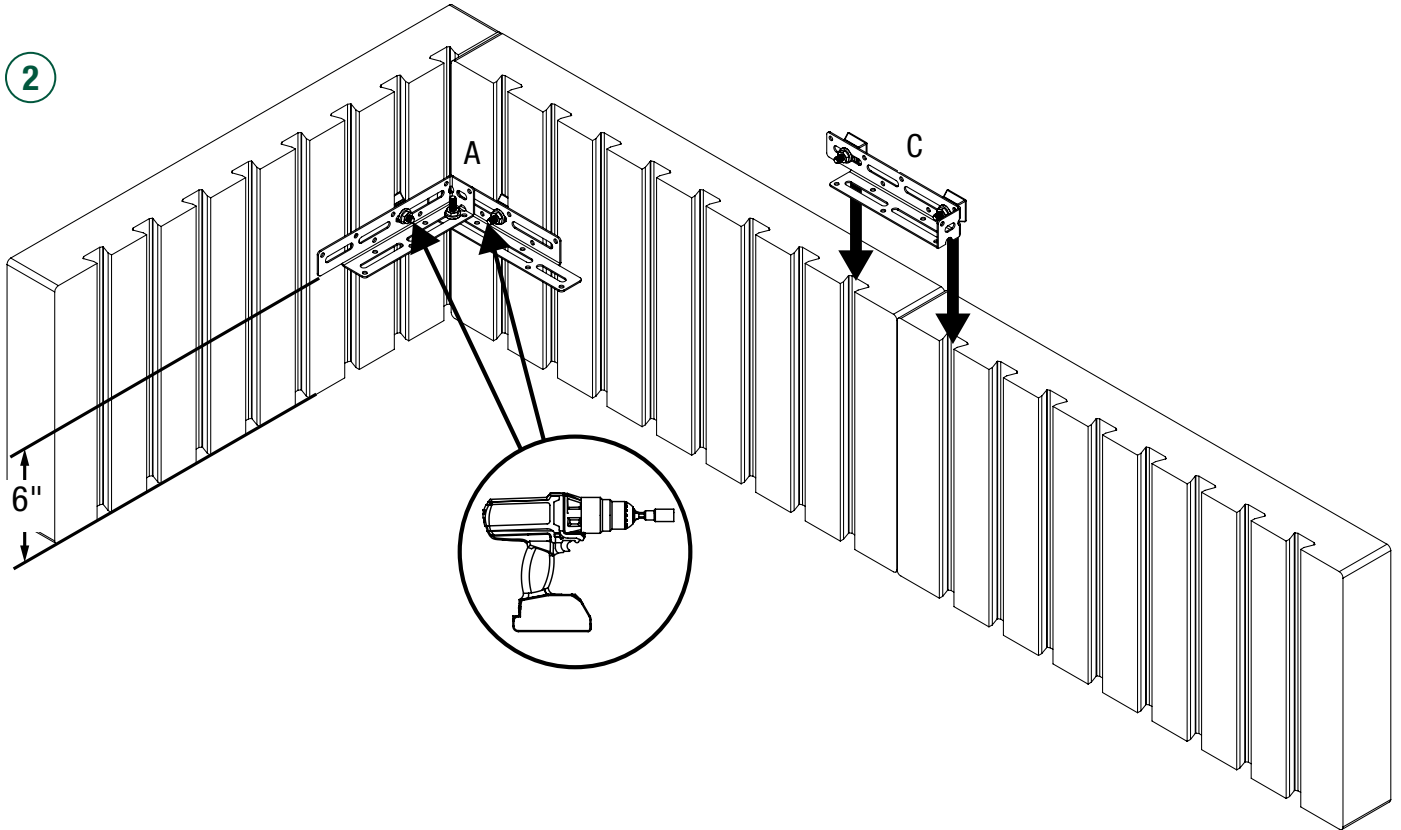


1 = 47½"    2 = 23¾"

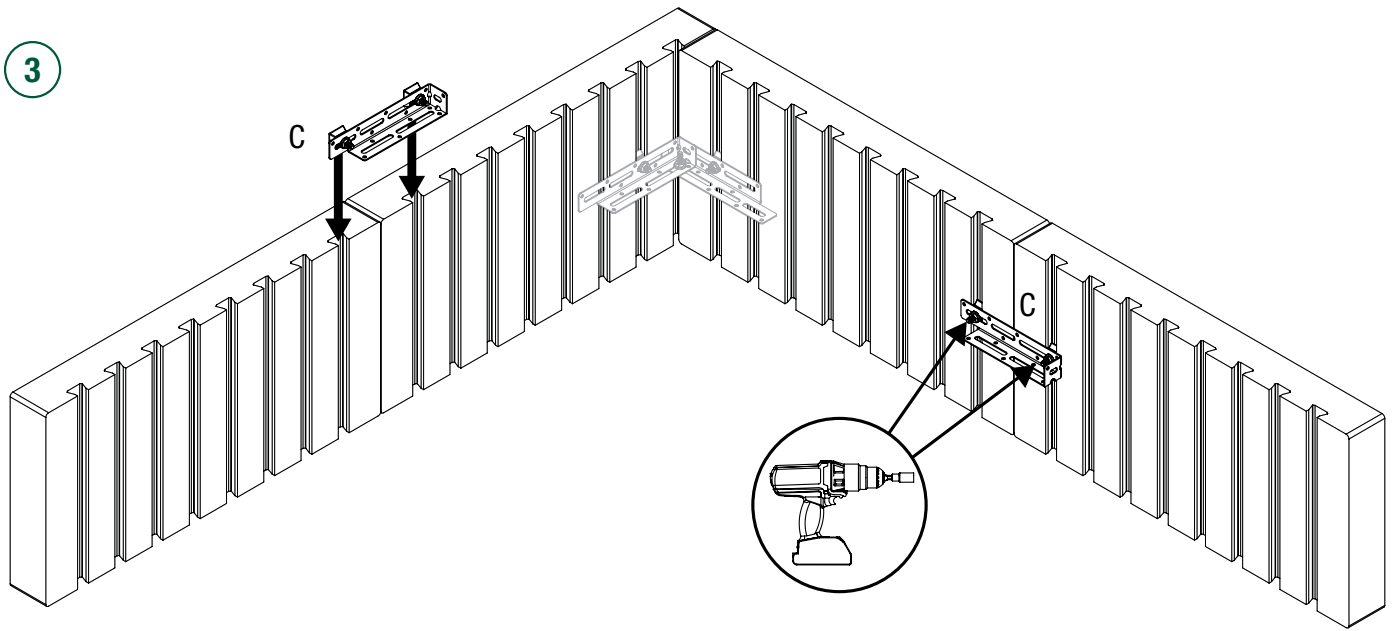
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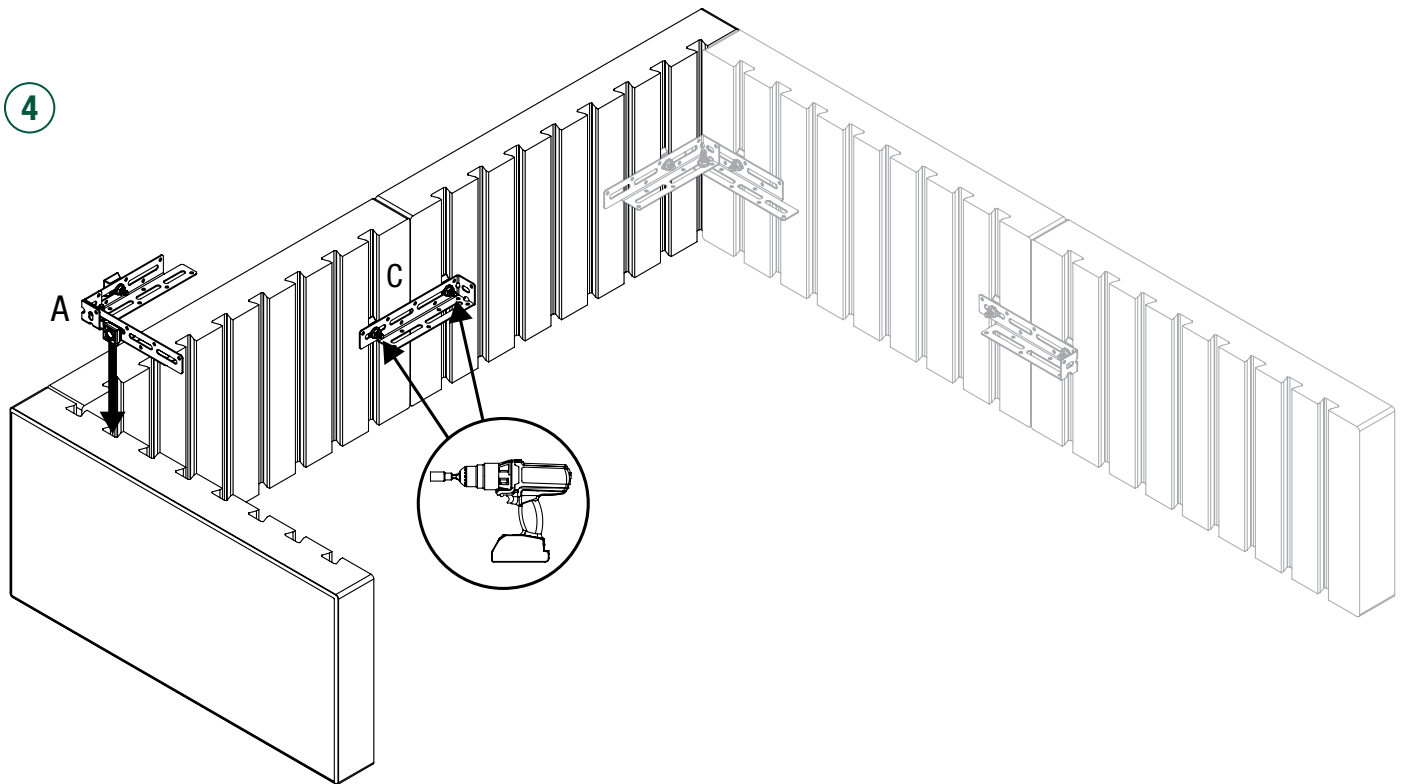
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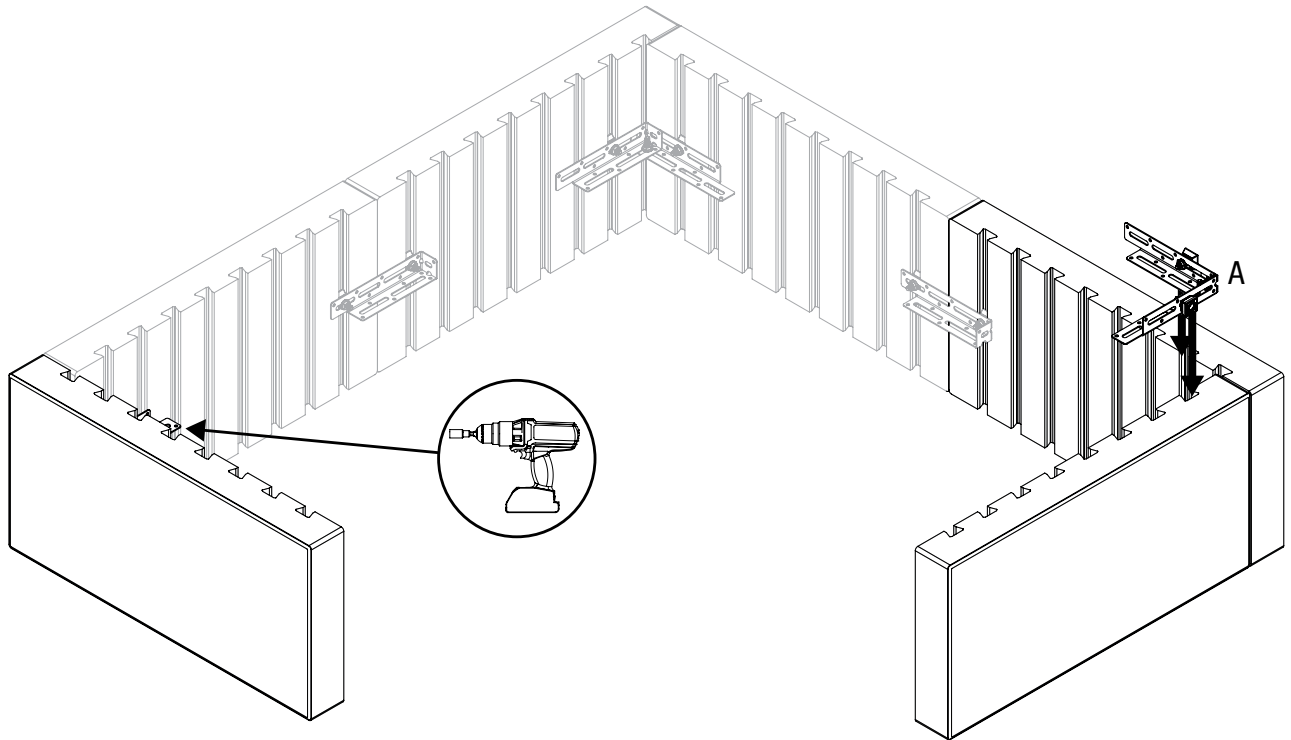
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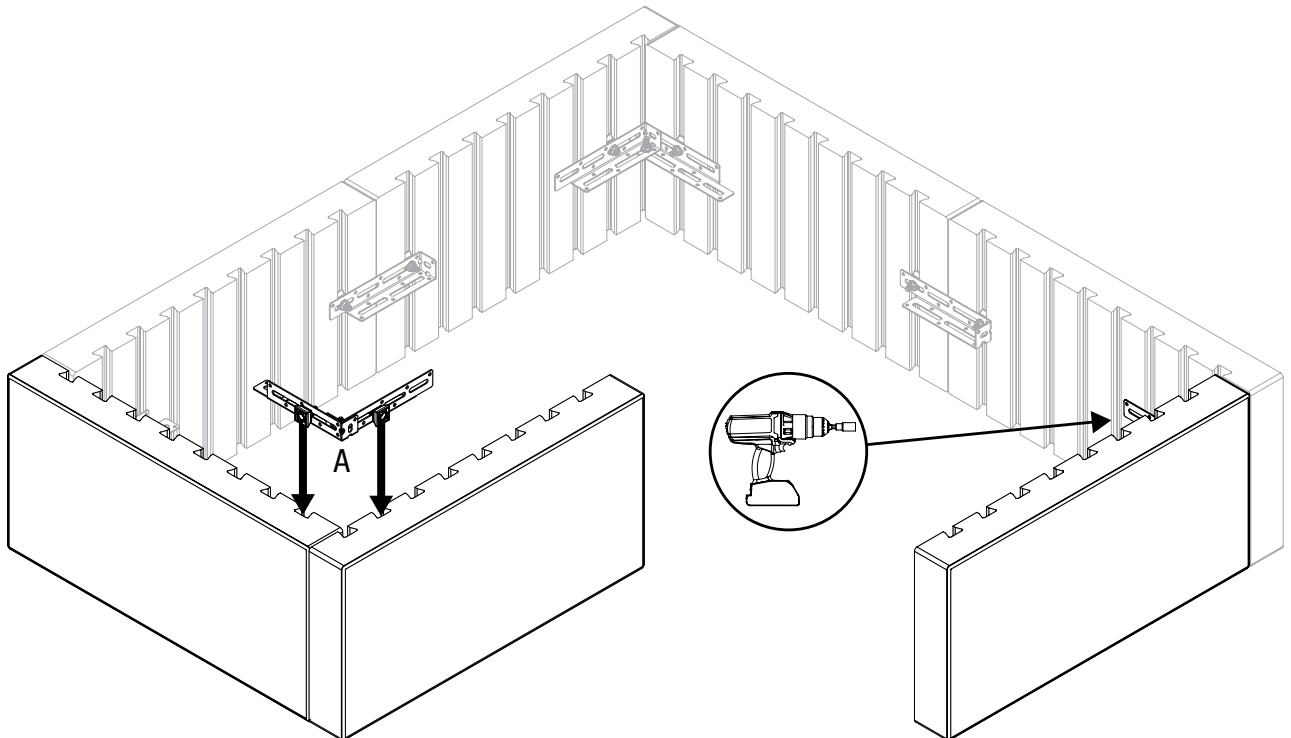
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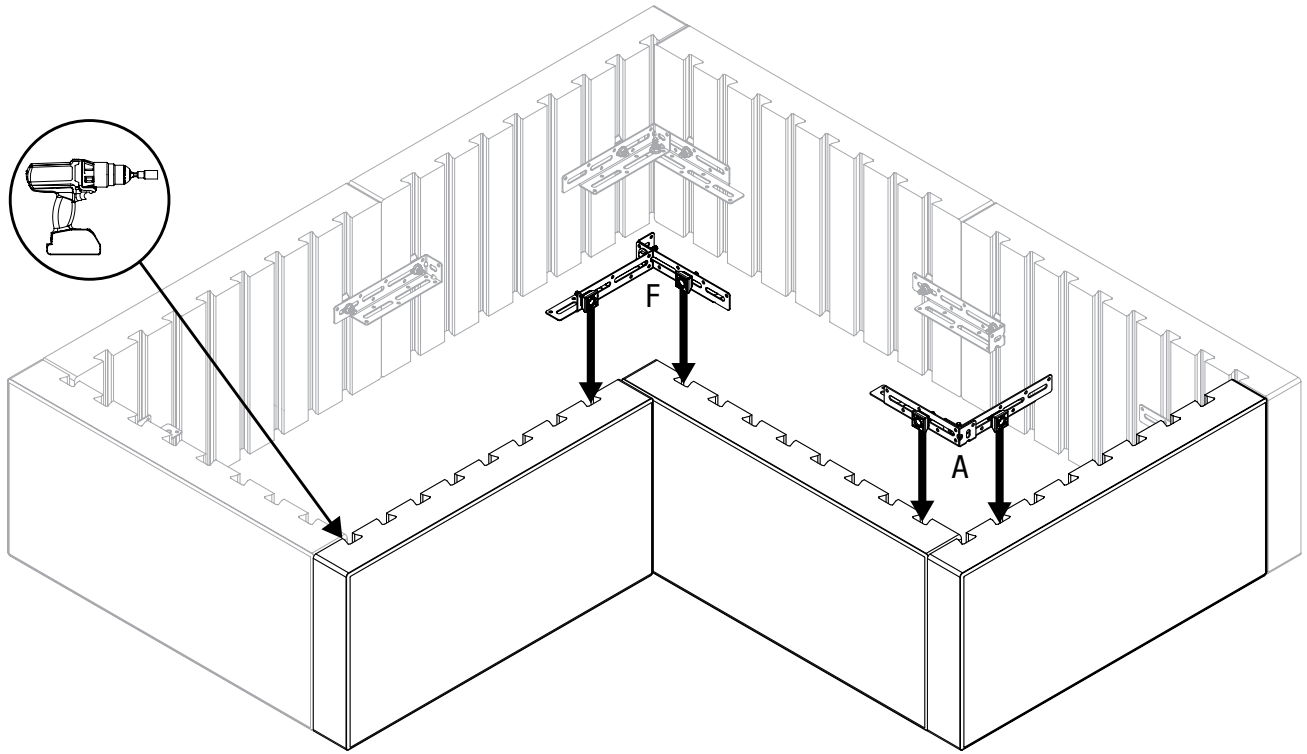
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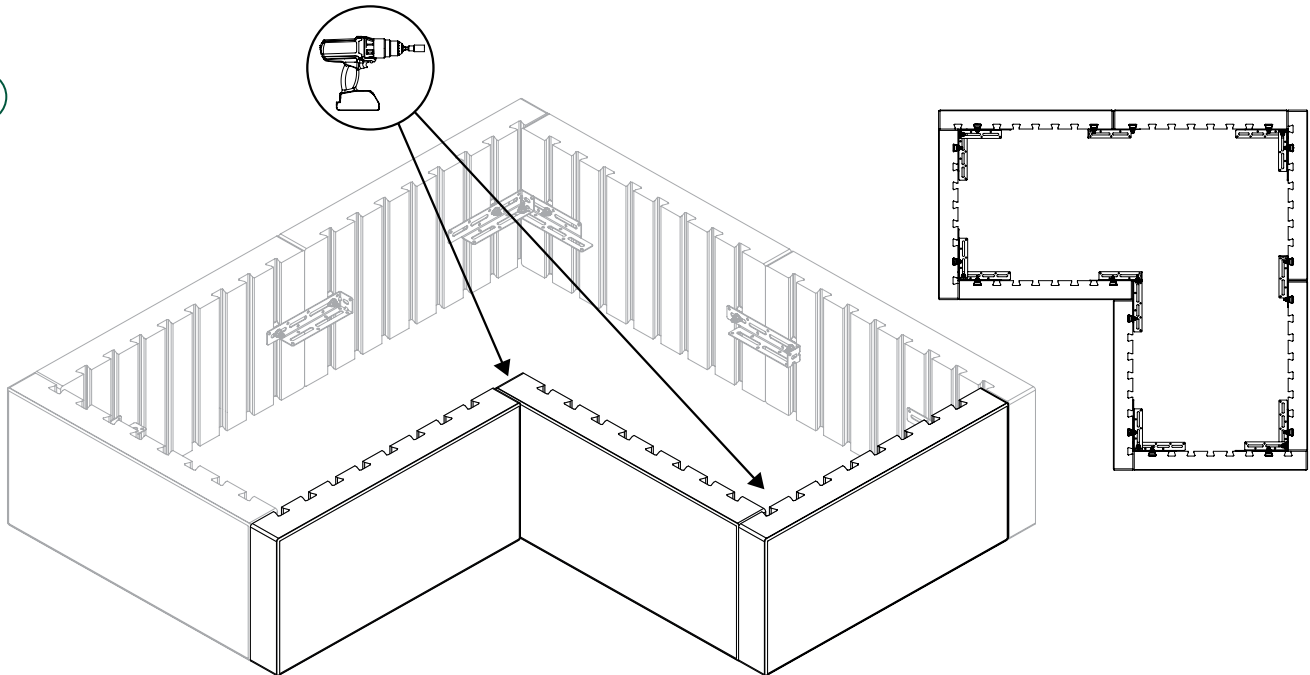
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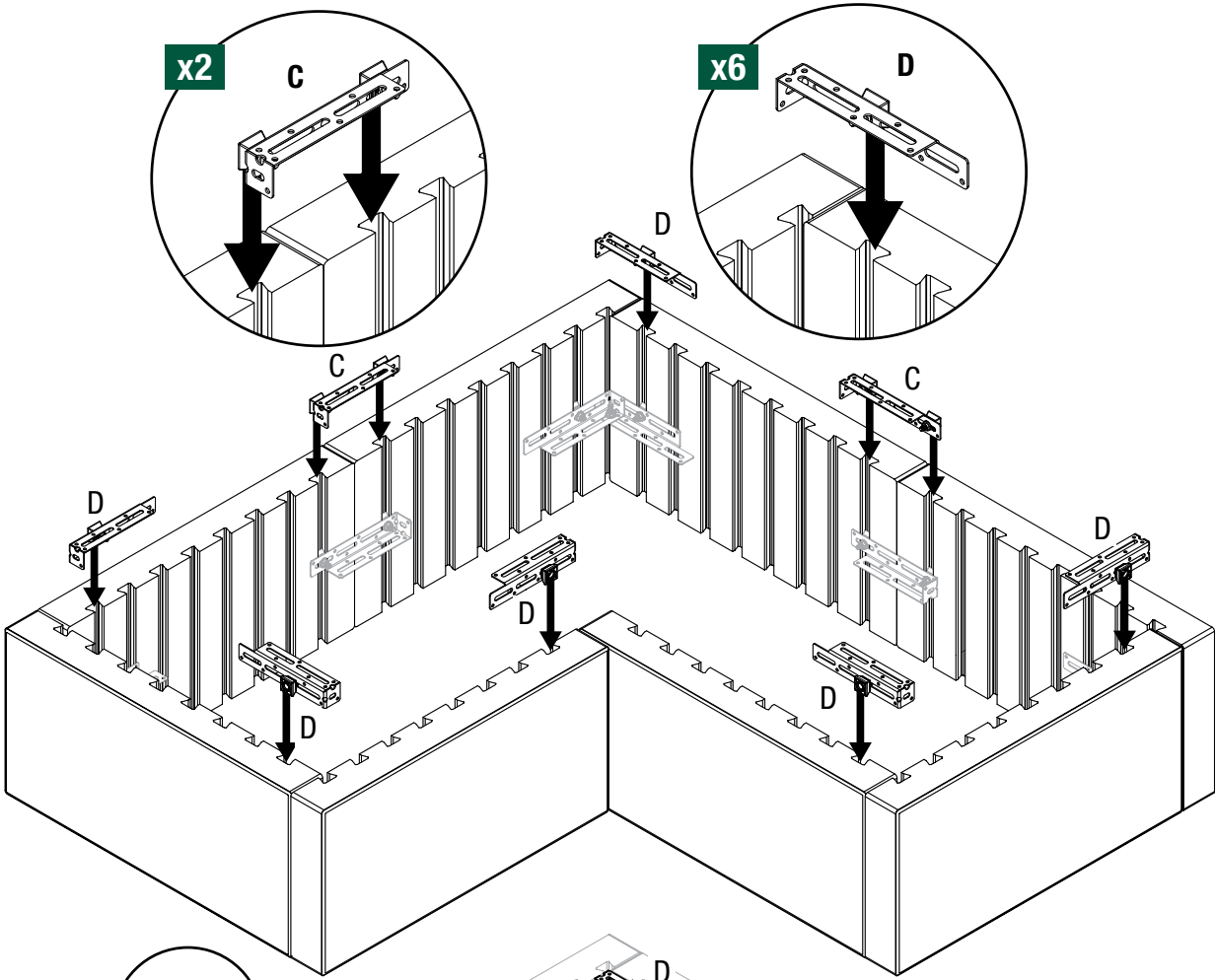
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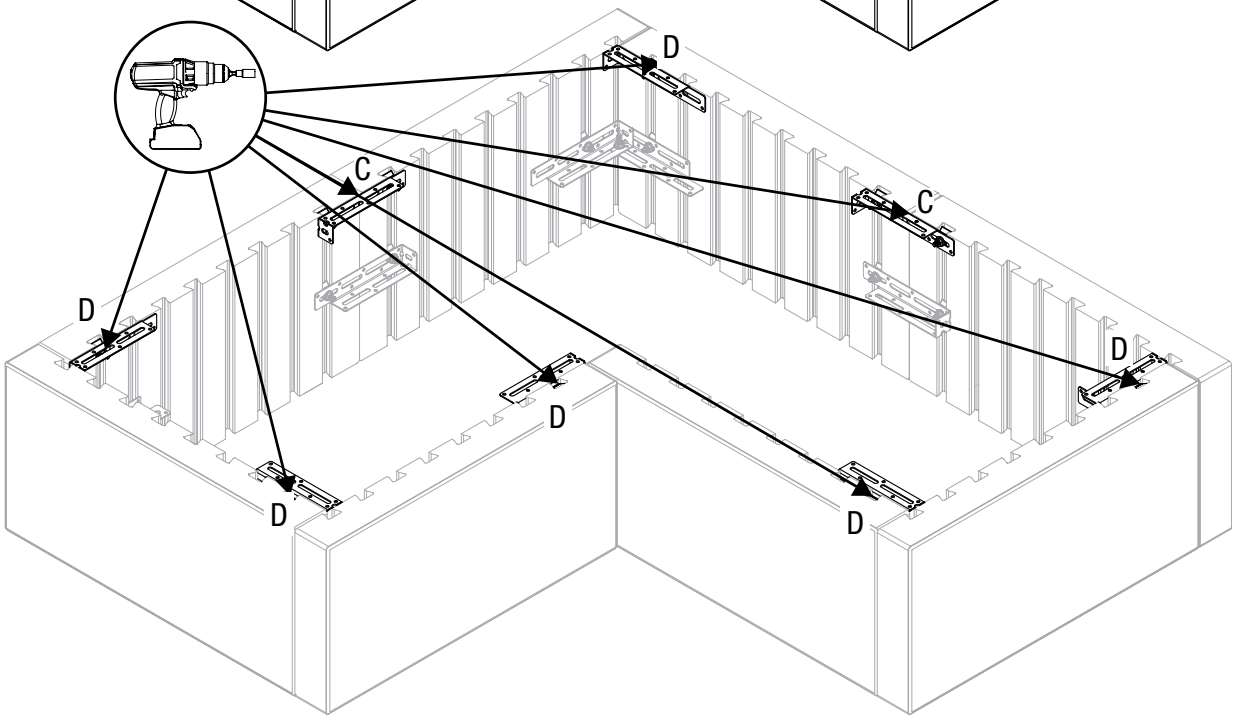
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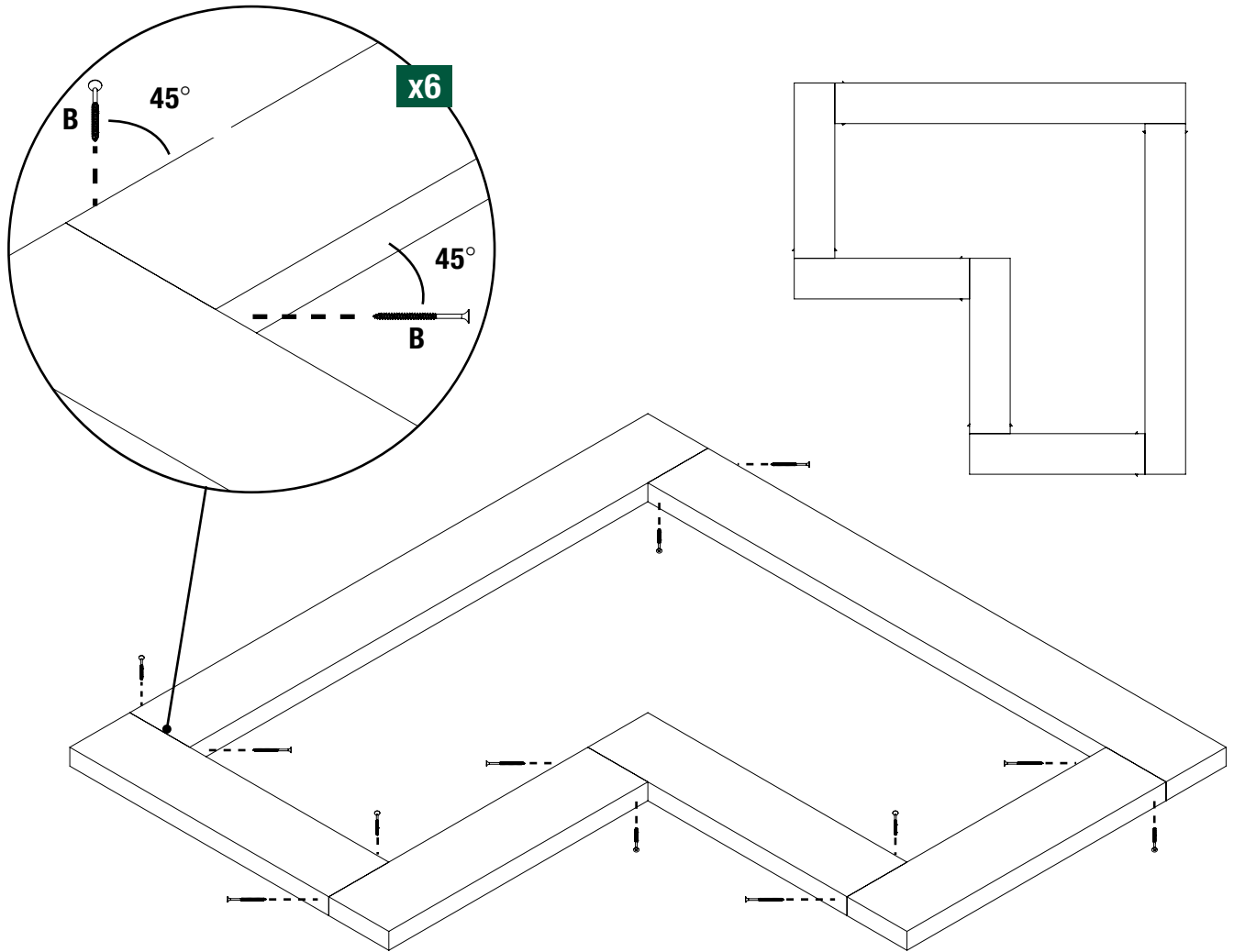
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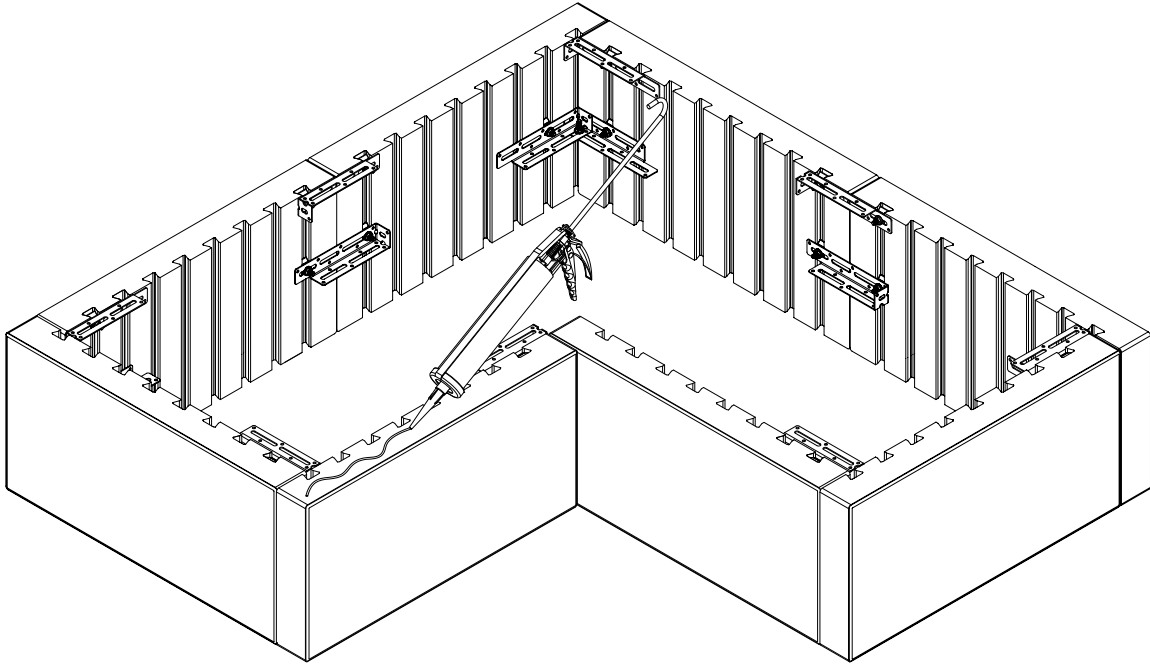
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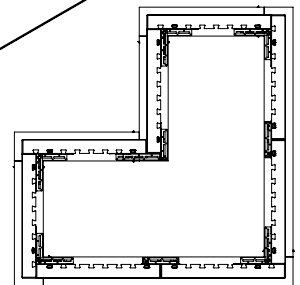
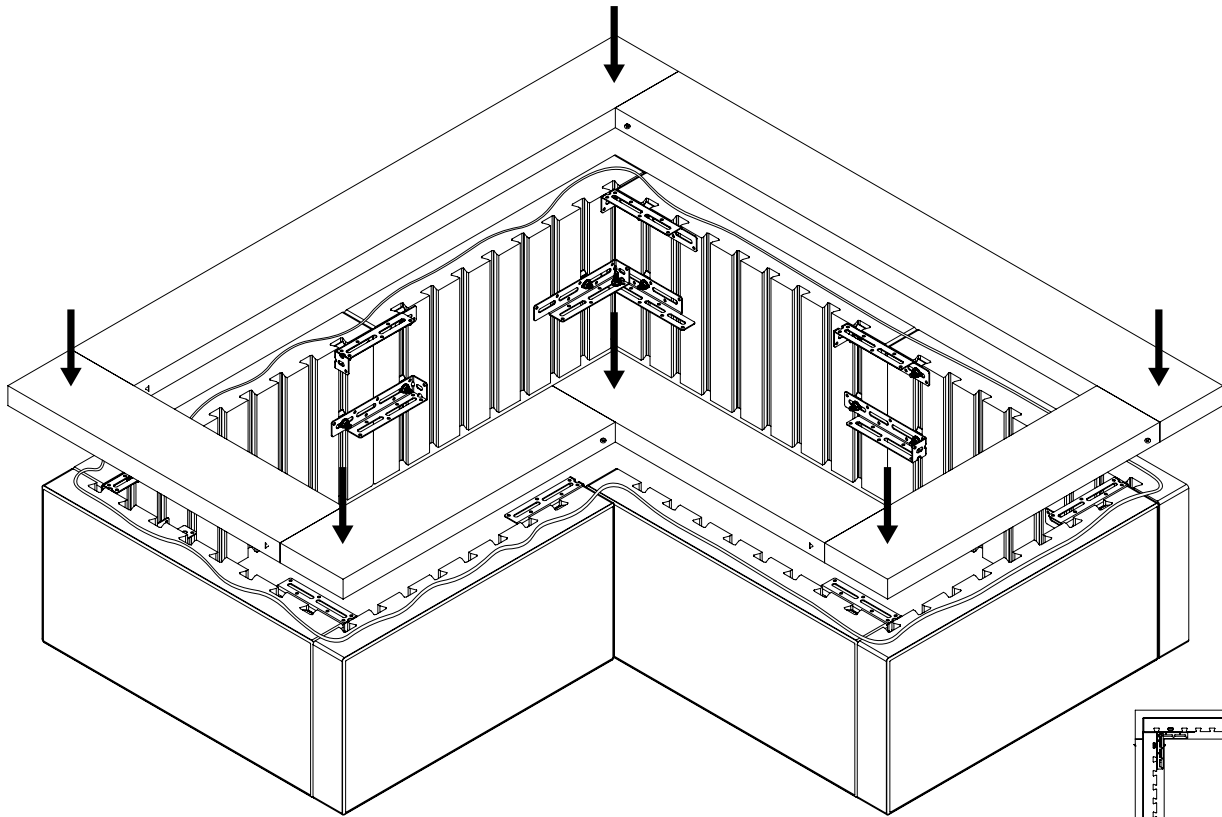
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12

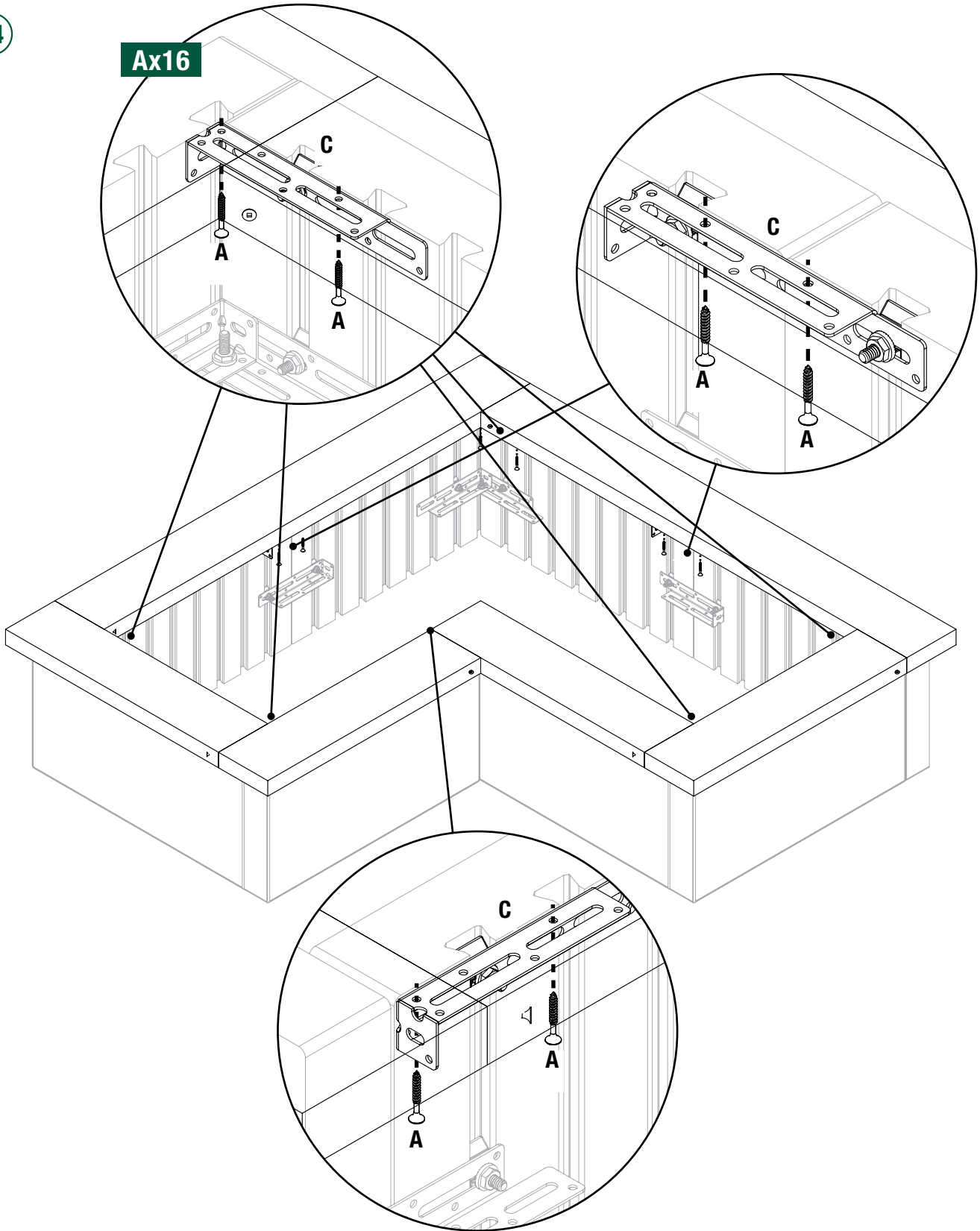


13



14

Ax16



# DESIGNFORMS™

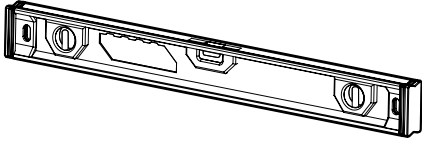
2 ft Vertical Planter - Wood Top



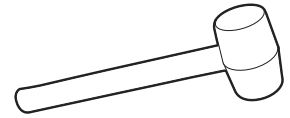
## REQUIRED TOOLS

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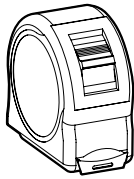
Level



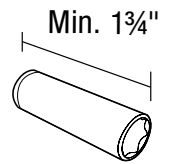
Rubber Mallet



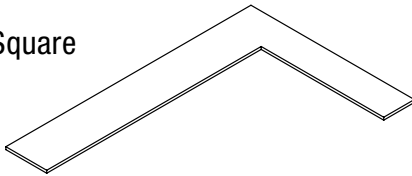
Measuring Tape



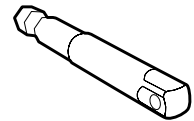
Deep Hex Socket  
7/16" with 1/4" Drive



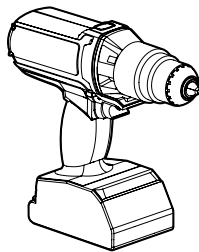
Carpenter Square



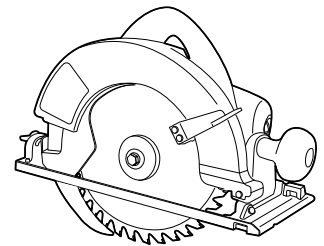
Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill



Skill Saw



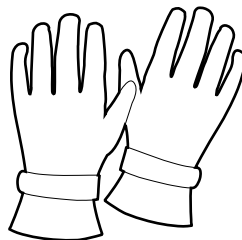
## SAFETY EQUIPMENT

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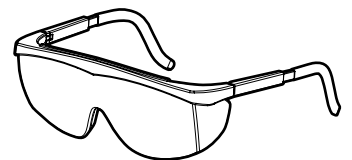
Safety Boots



Gloves



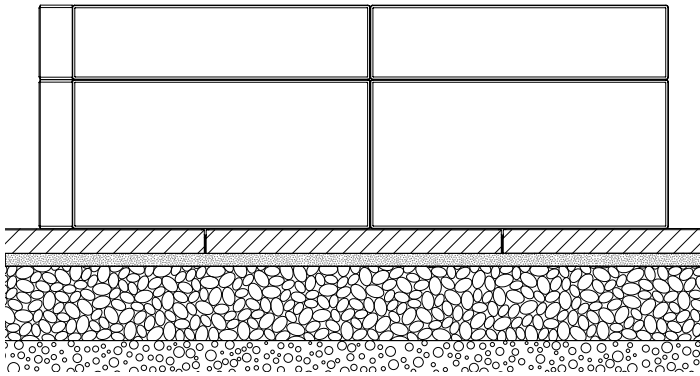
Safety Glasses



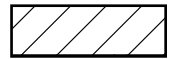
## BASE PREPARATION

*Always level ground before installation*

### On new or existing patio



Slab or Paver



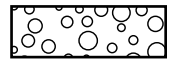
Bedding Sand 1"



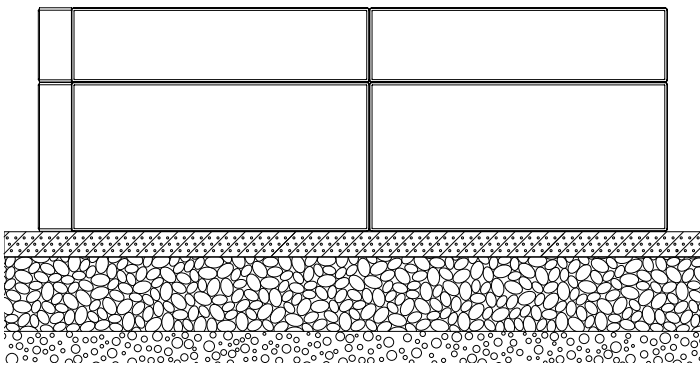
Compacted aggregates 6" - 8"



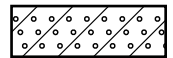
Soil



### On poured concrete



Reinforced Poured Concrete Foundation 2"



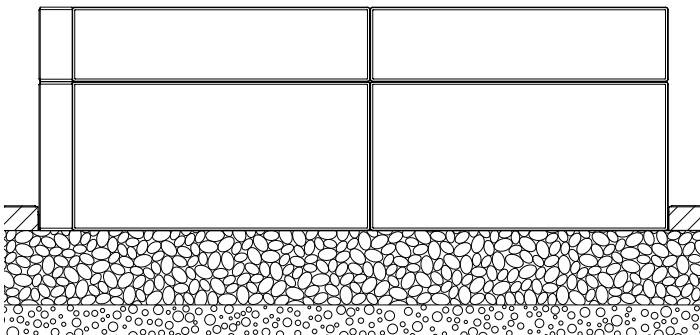
Compacted aggregates 6" - 8"



Soil



### On compacted foundation



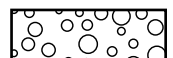
Slab or Paver



Compacted aggregates 6" - 8"



Soil

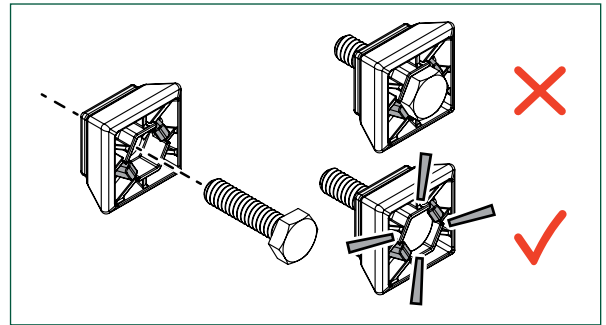


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

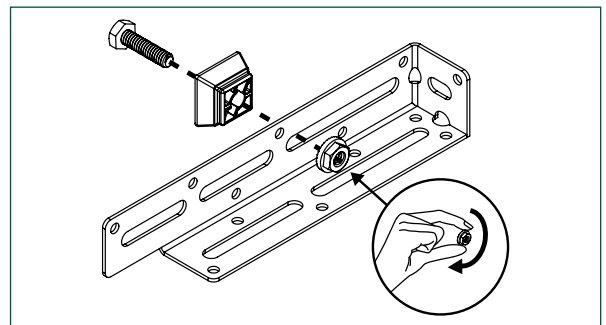
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

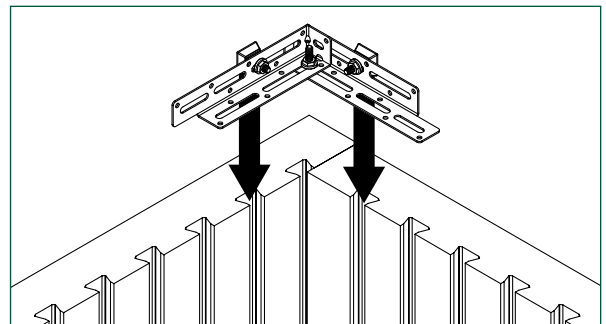
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

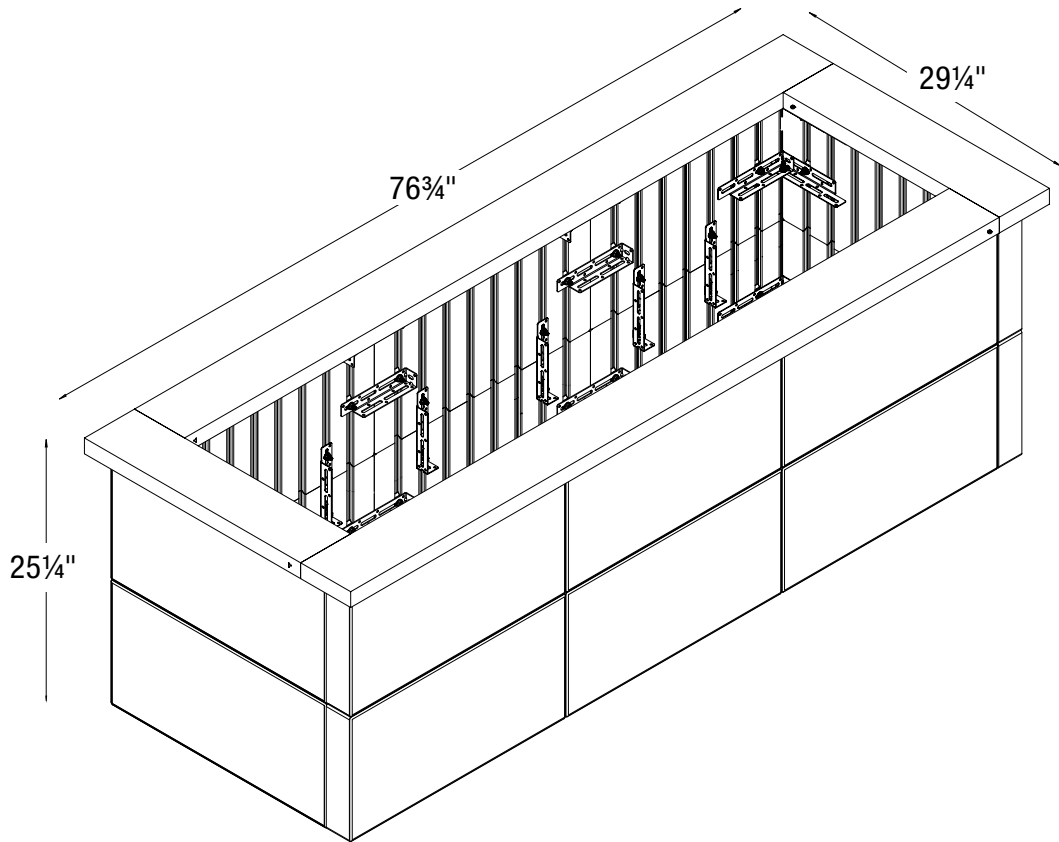
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

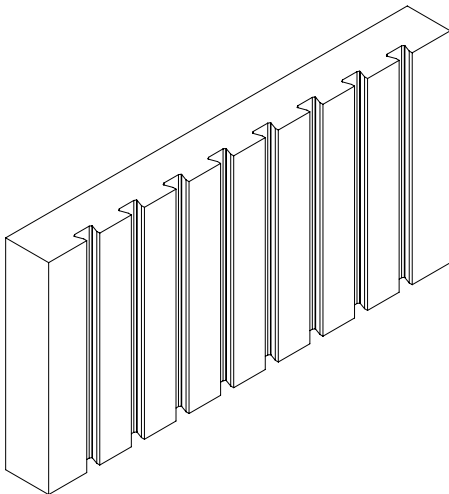
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

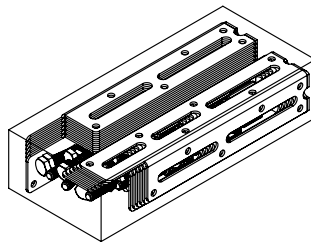


## COMPONENTS

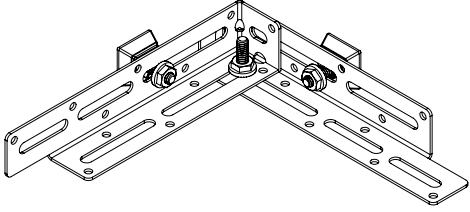
Large Panel (x16)  
12" x 24"



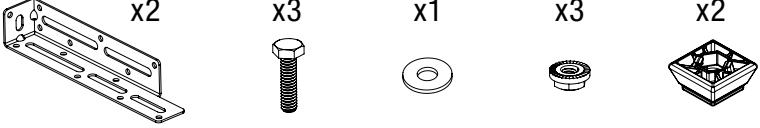
Hardware Kit (x4)



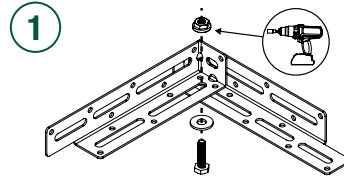
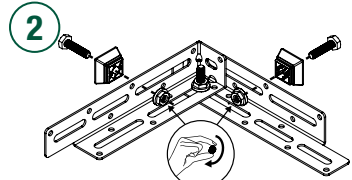
**BRACKET A** x8



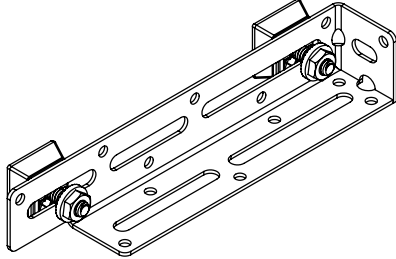
x2
x3
x1
x3
x2



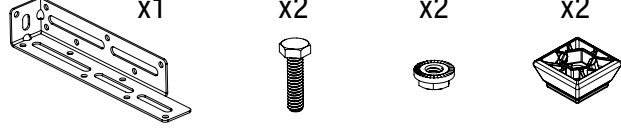
1
2

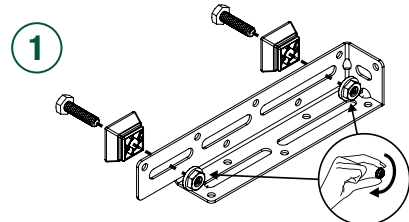
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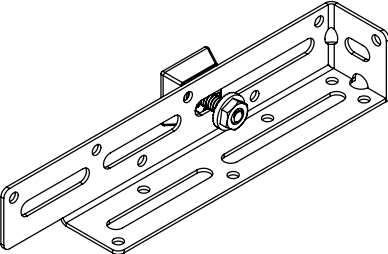
x1
x2
x2
x2



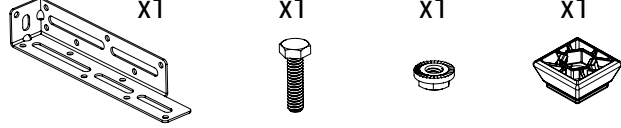
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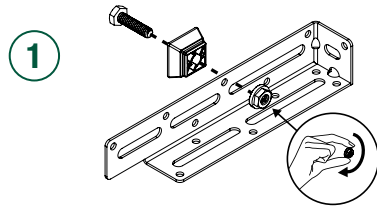
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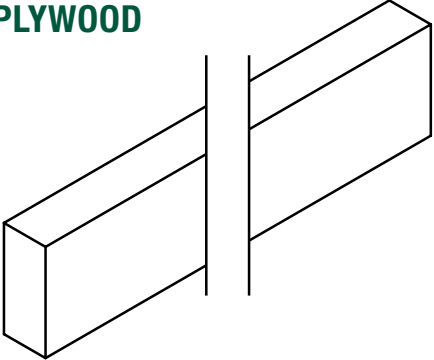
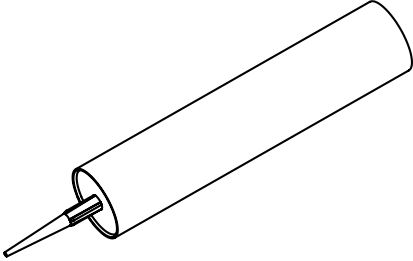
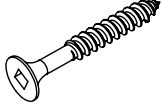

x1
x1
x1
x1



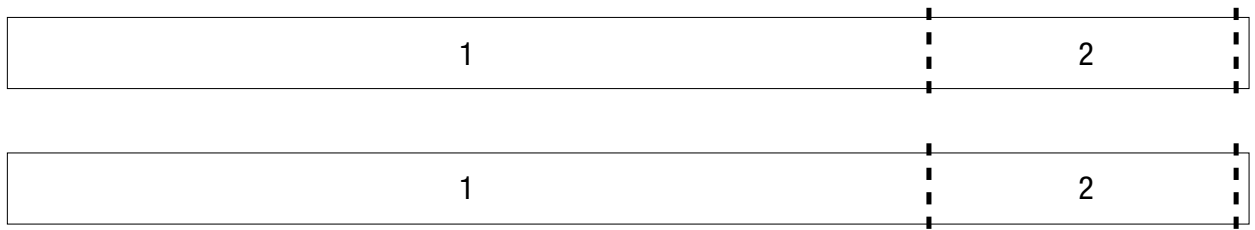
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**ADDITIONAL WOOD CAP COMPONENTS**

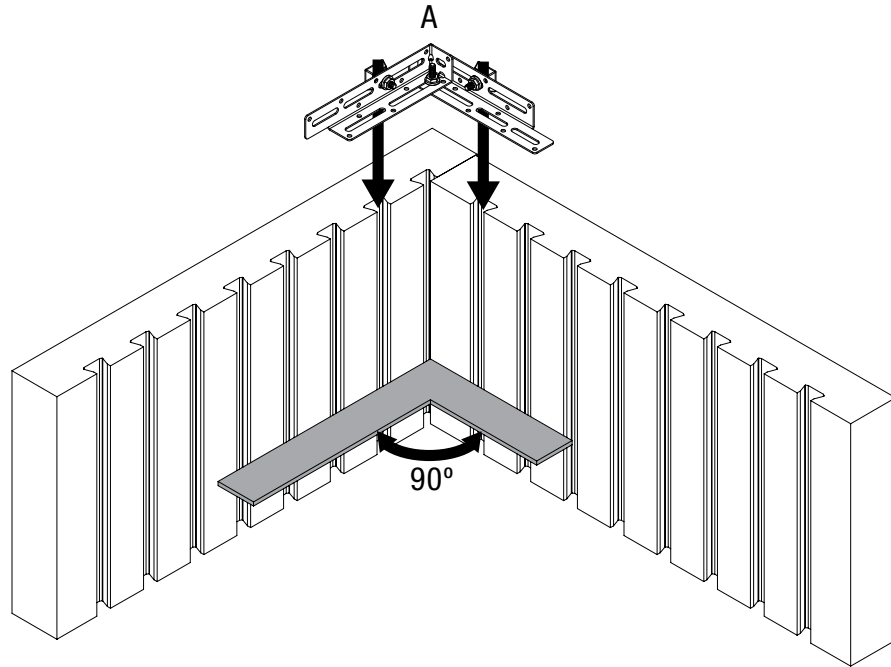
<p><b>2" x 6" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p>  <p><b>x2</b></p>	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p>  <p><b>x1</b></p>	<p><b>A #8 1¼" DECK SCREW</b></p>  <p><b>x16</b></p>
		<p><b>B #8 3" DECK SCREW</b></p>  <p><b>x8</b></p>

**WOOD CUTS**

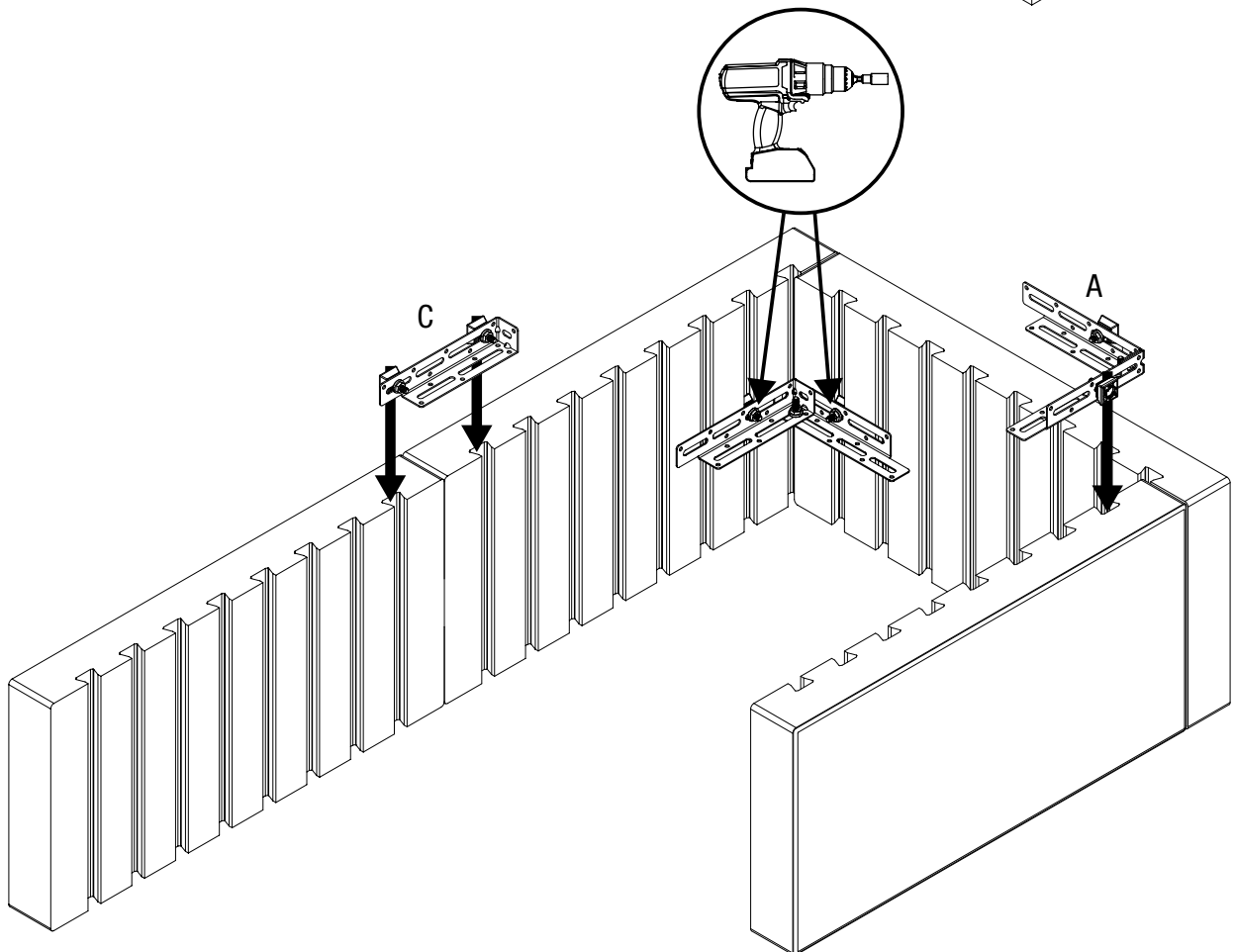


1 = 71¼"    2 = 23¾"

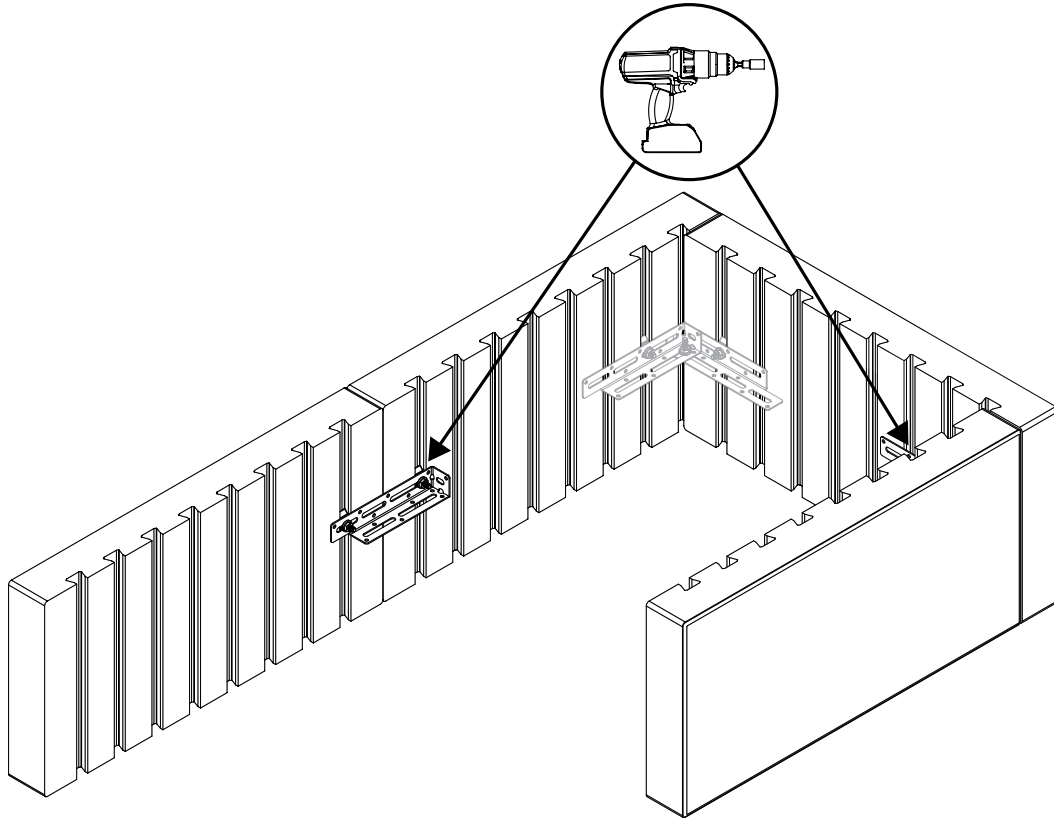
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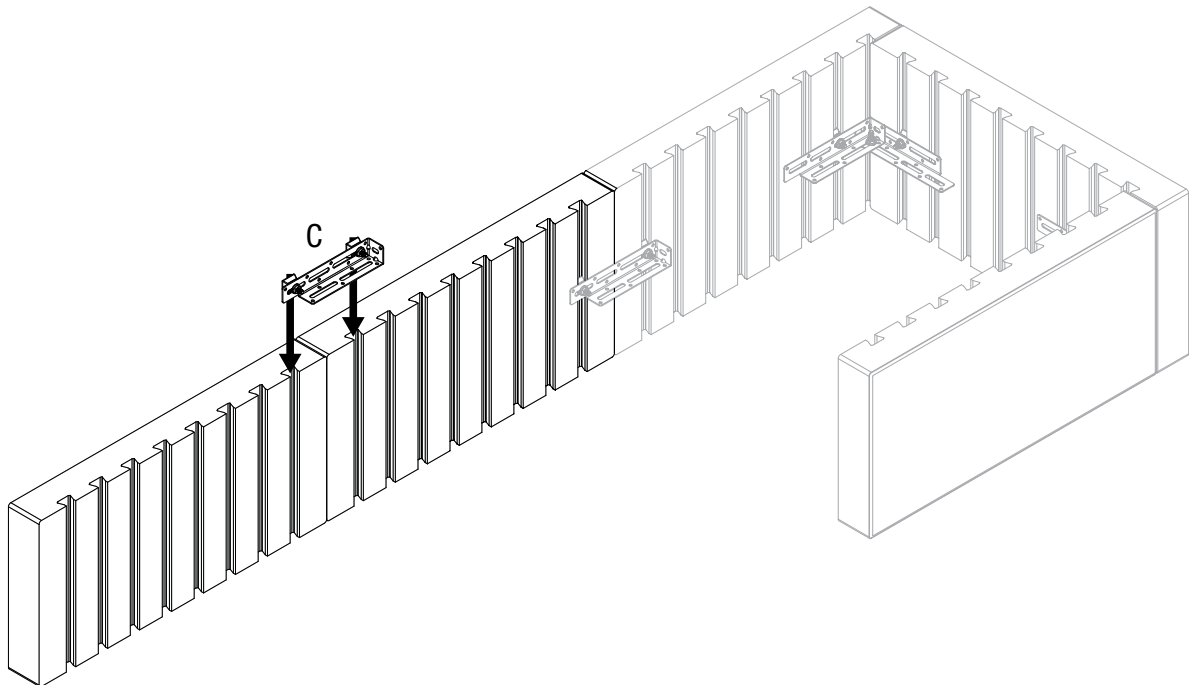
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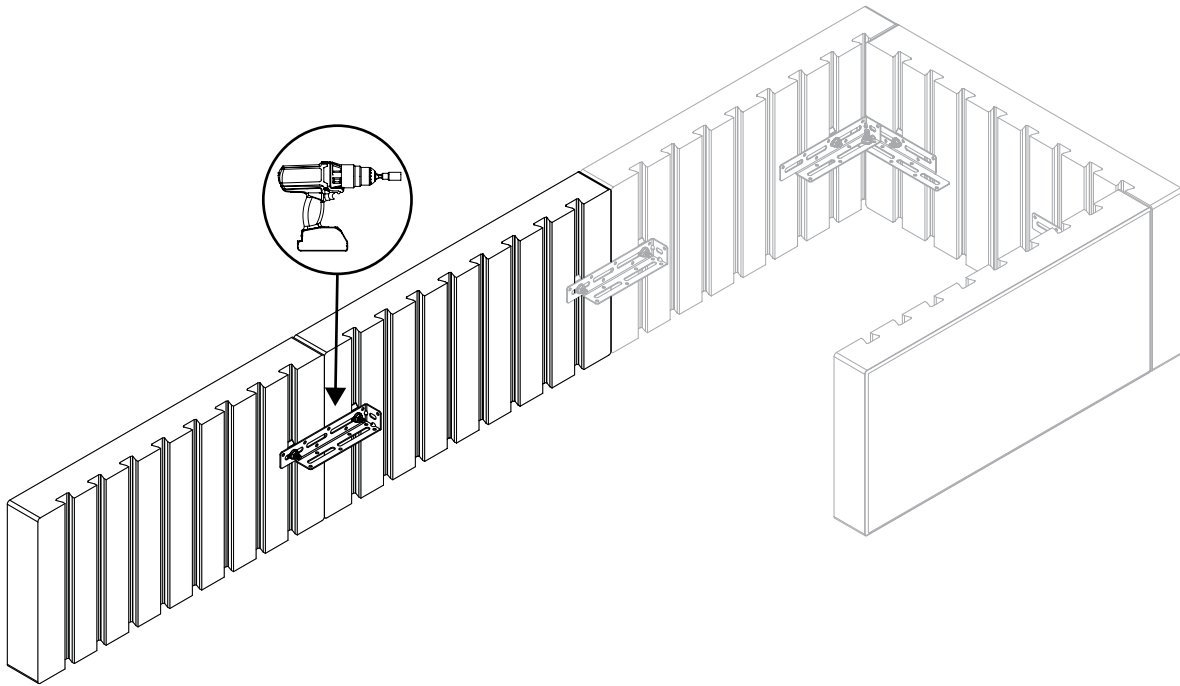
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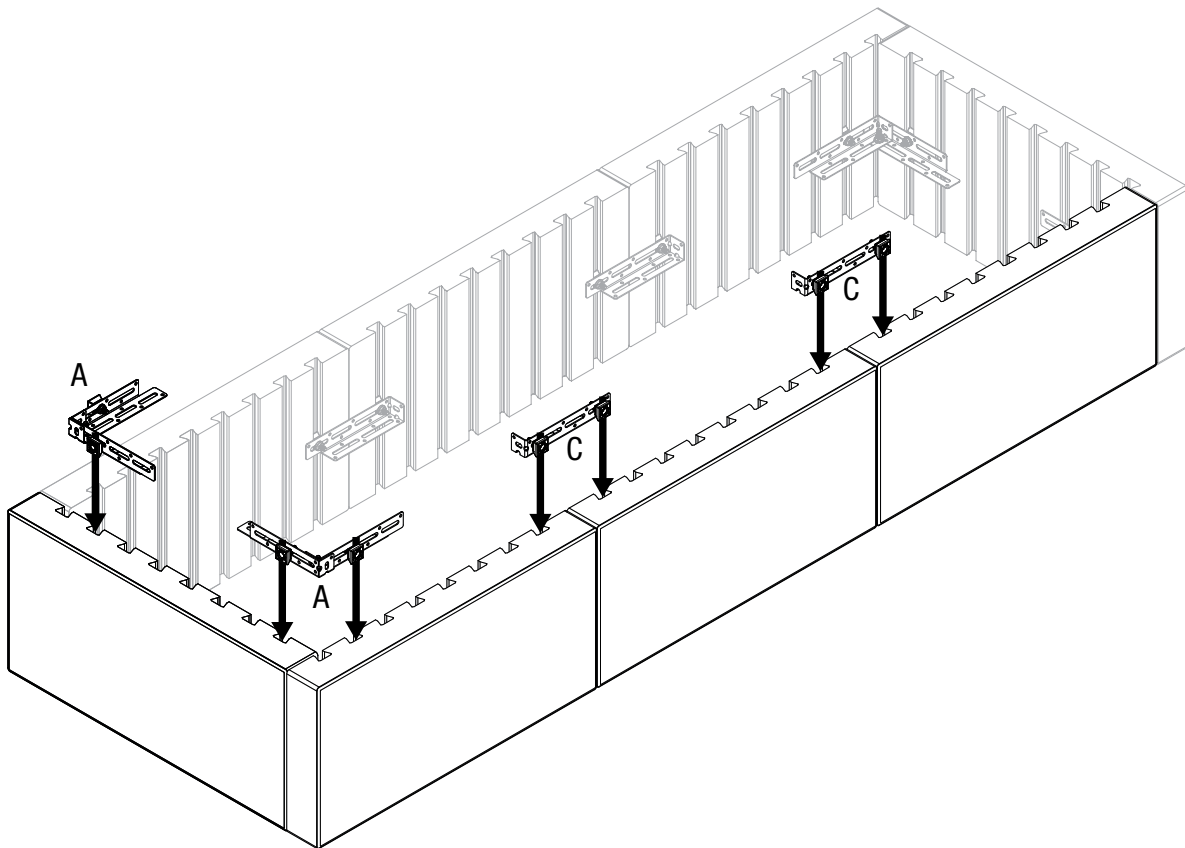
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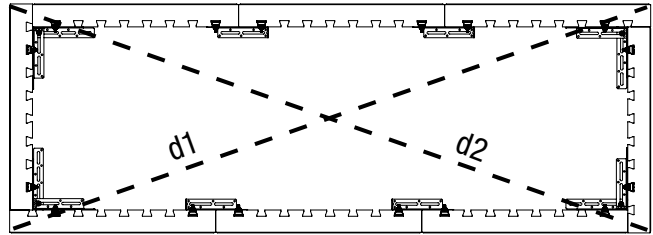
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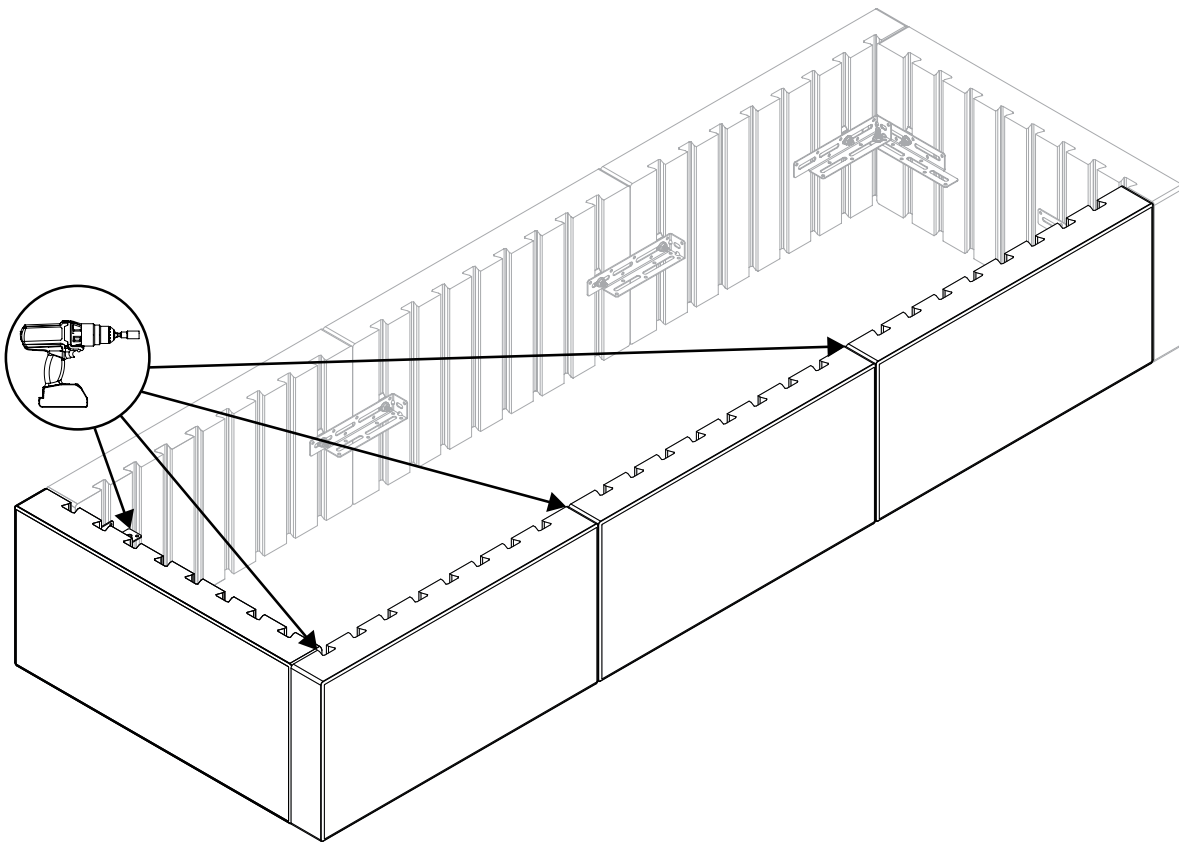
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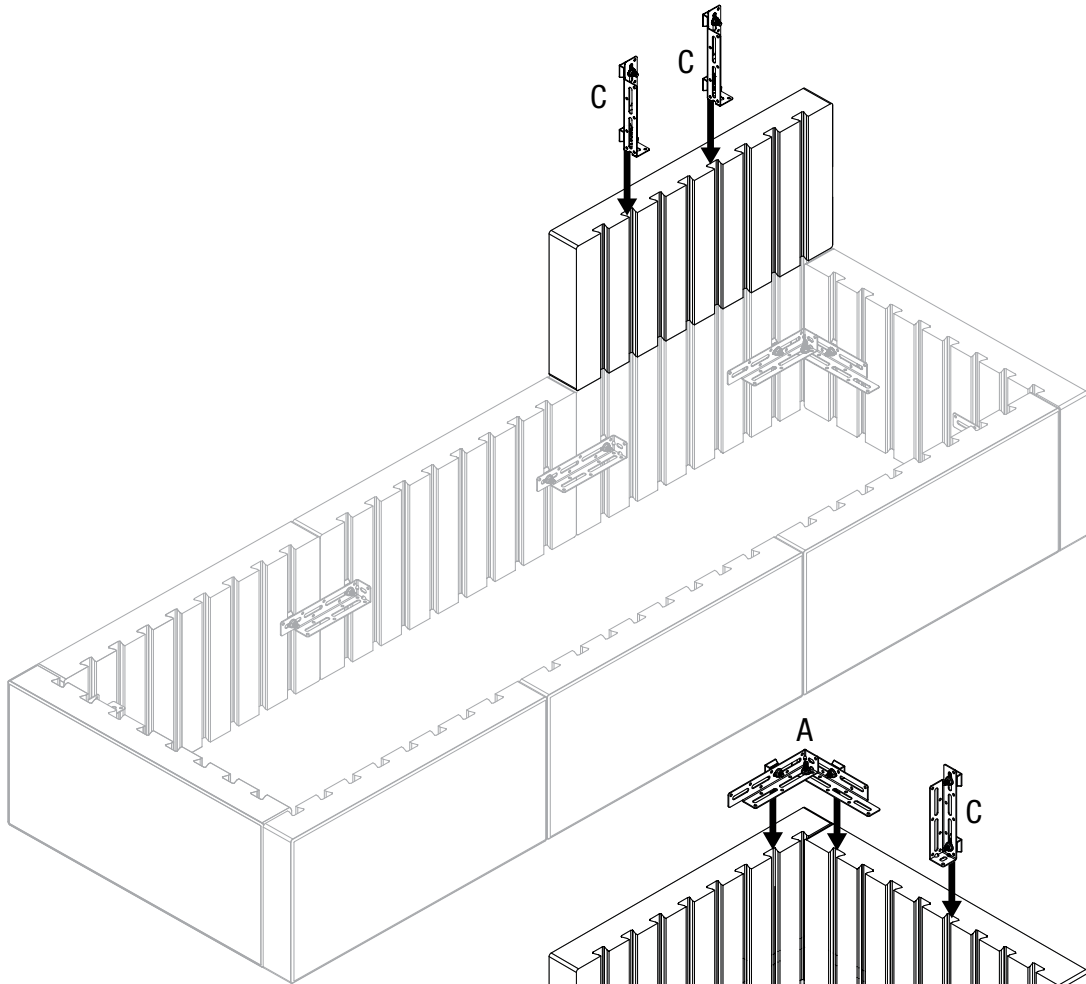
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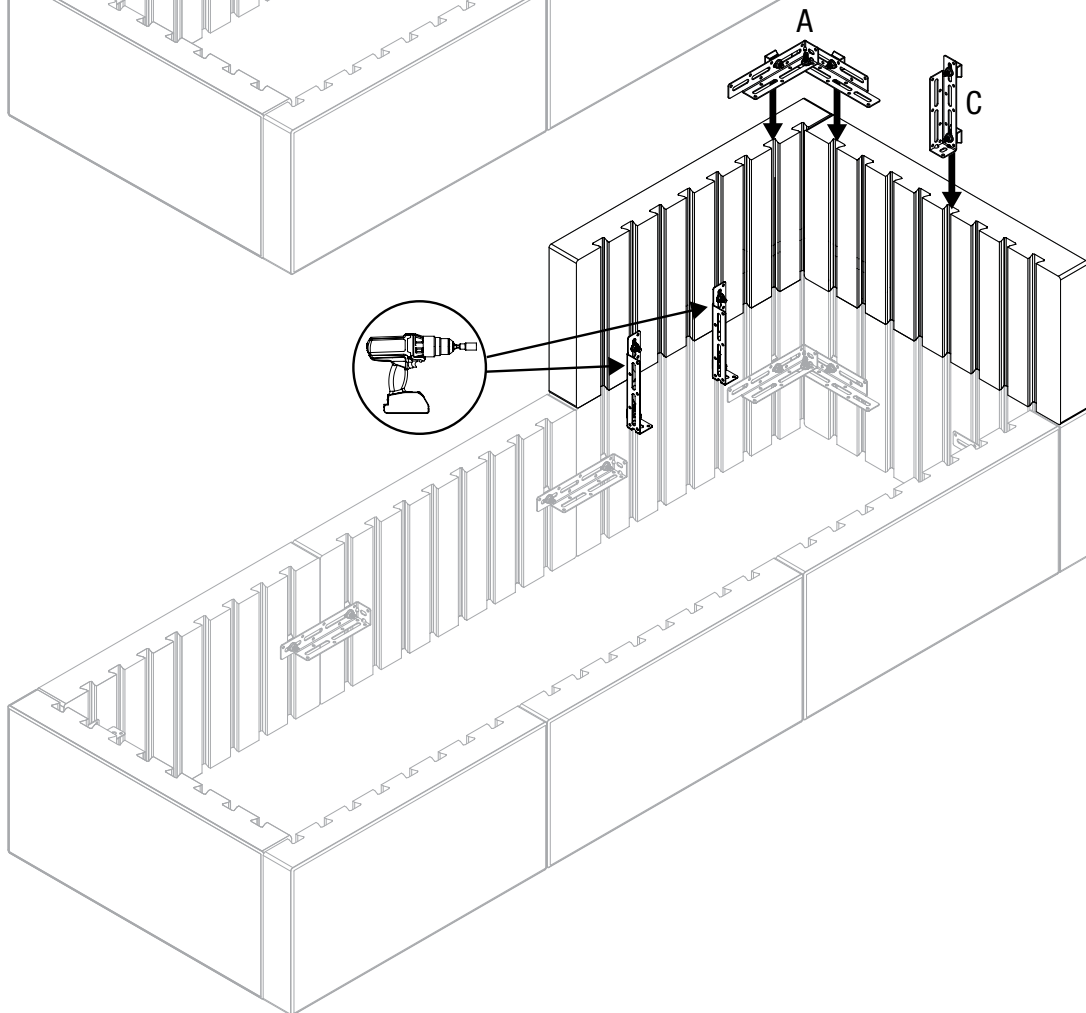
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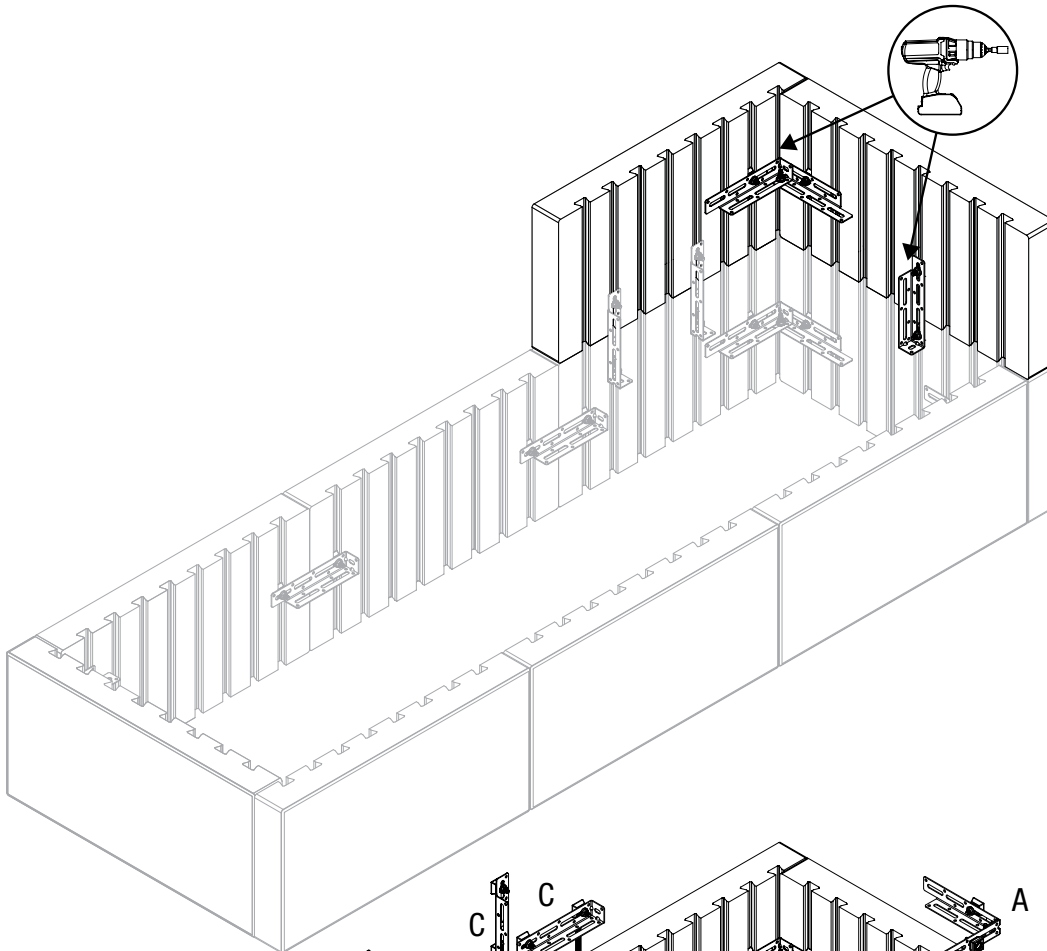
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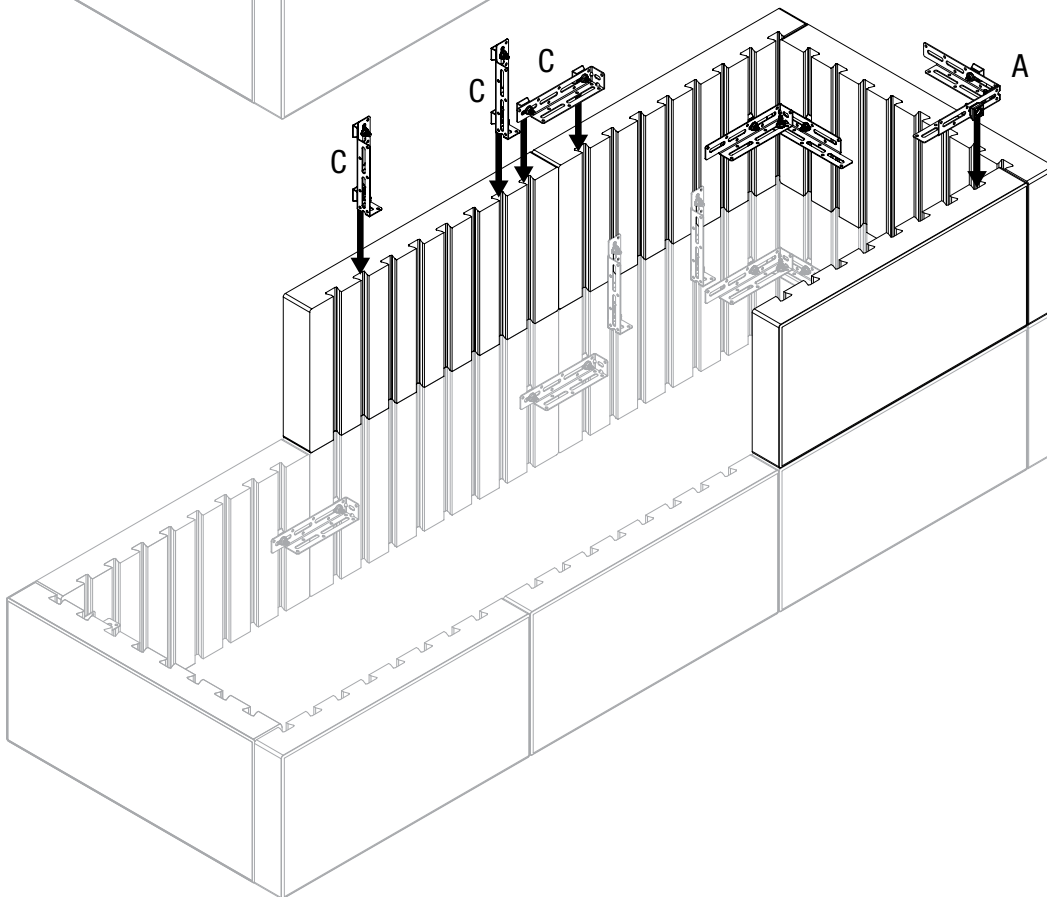
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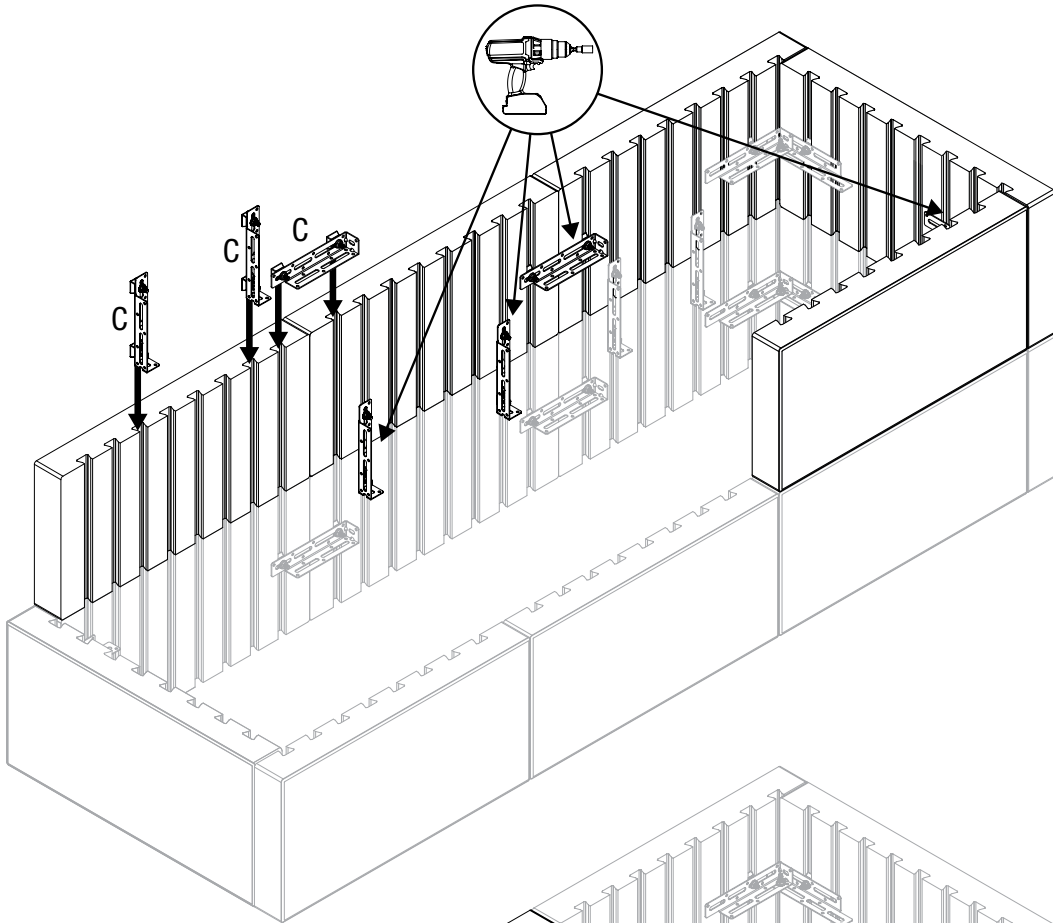
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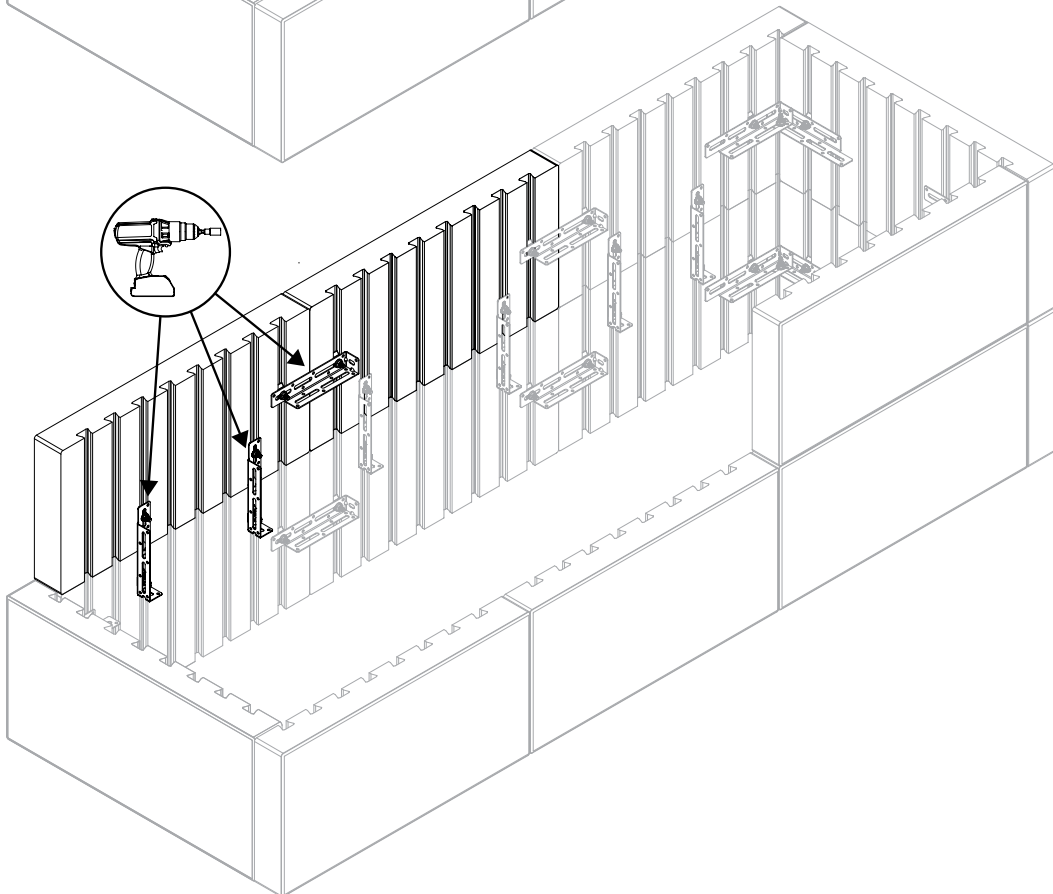
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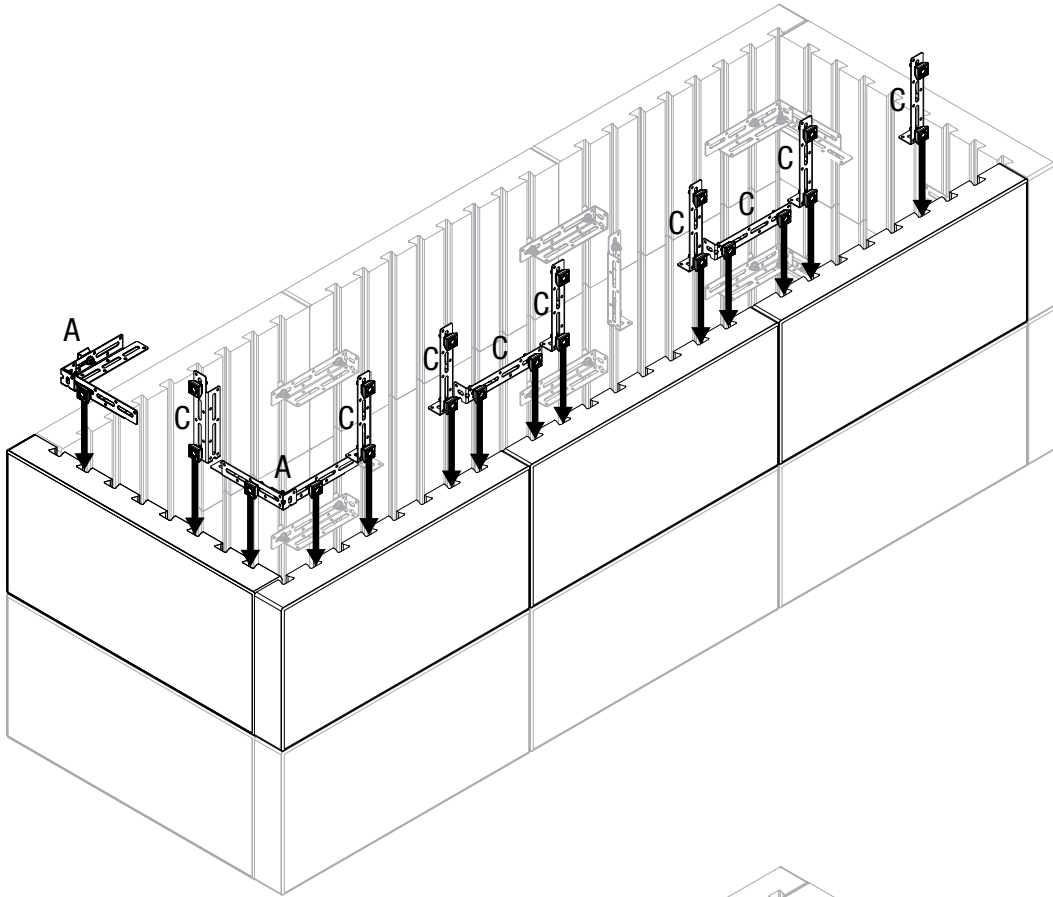
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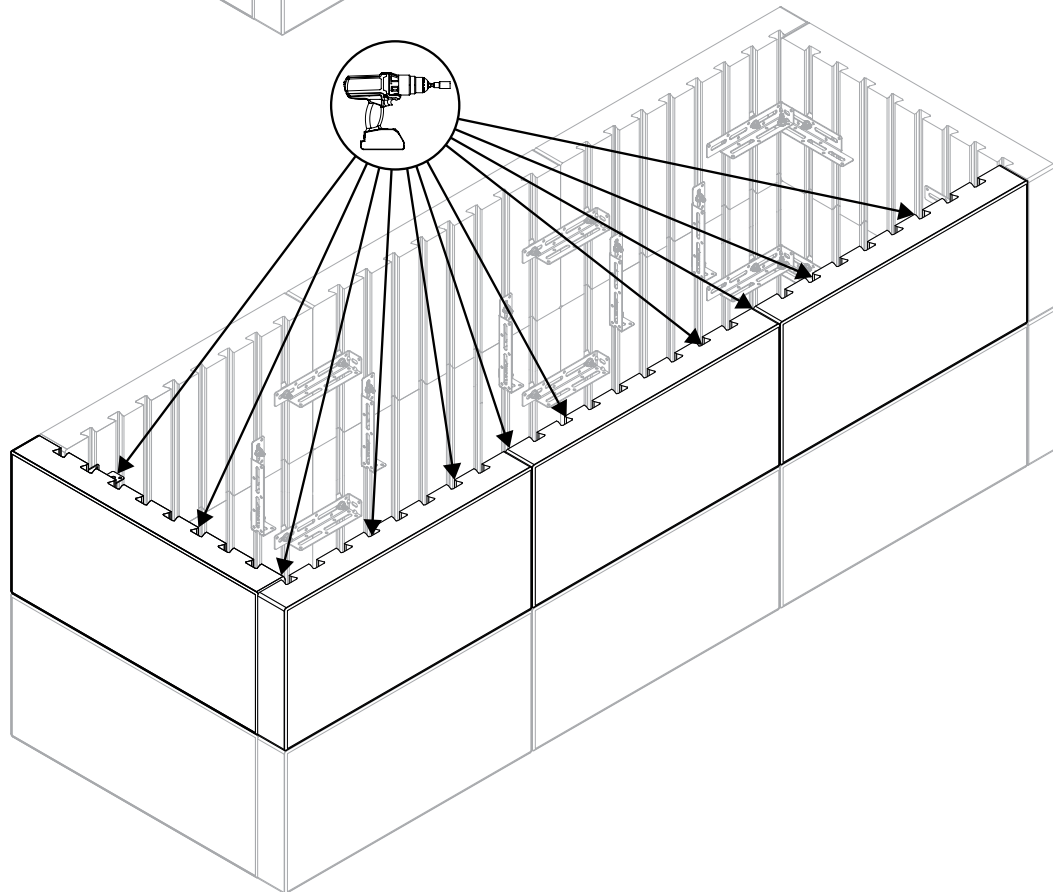
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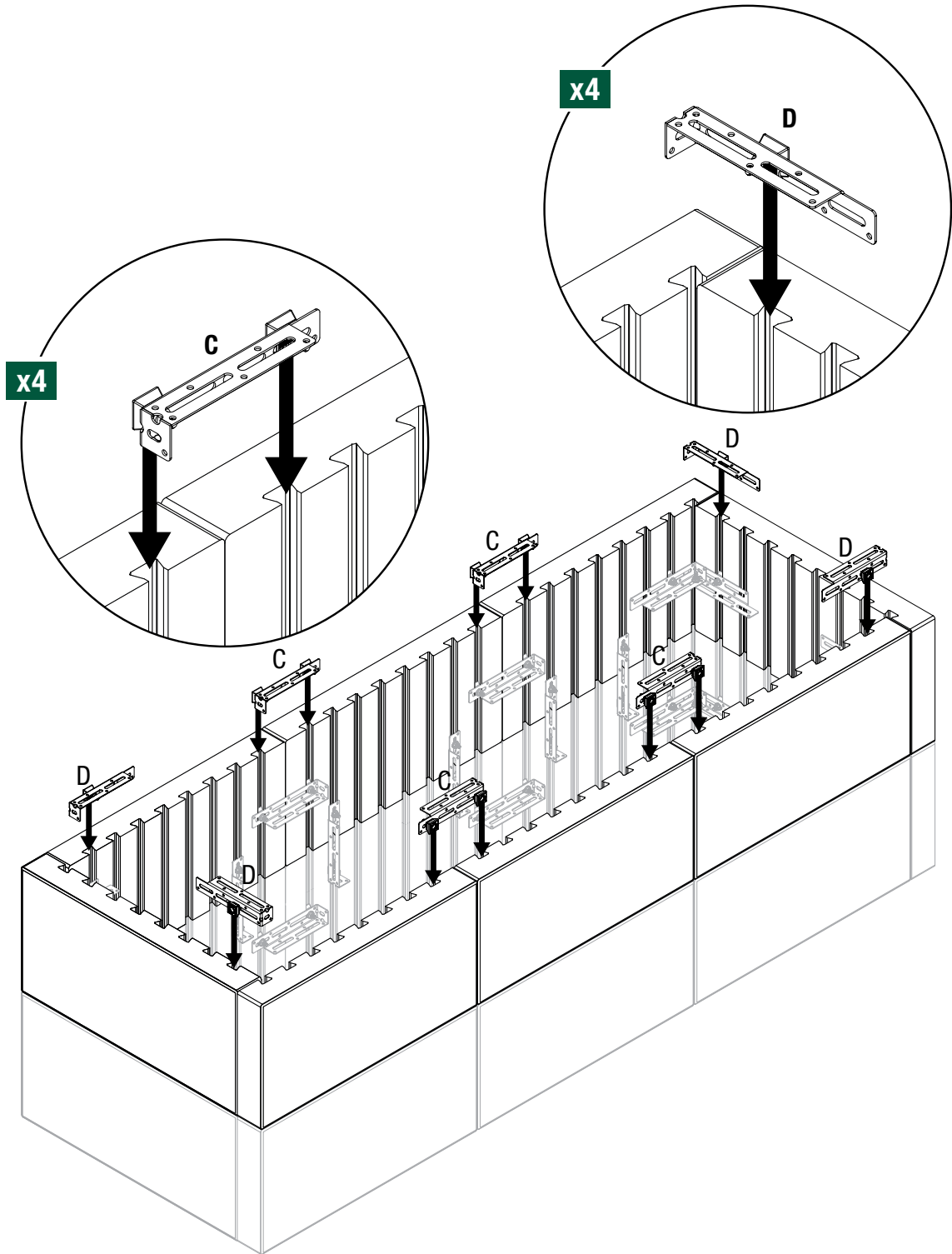
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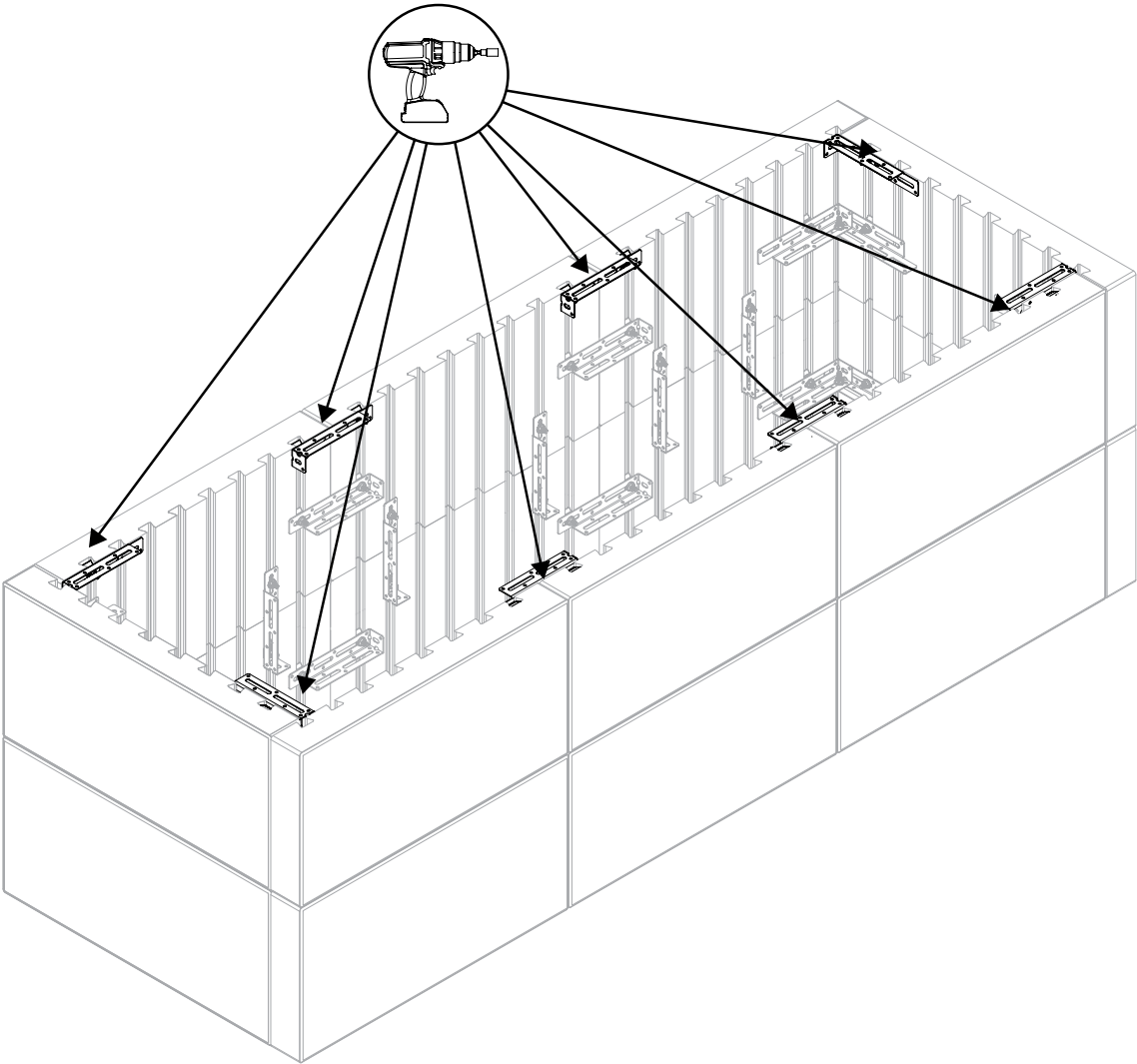
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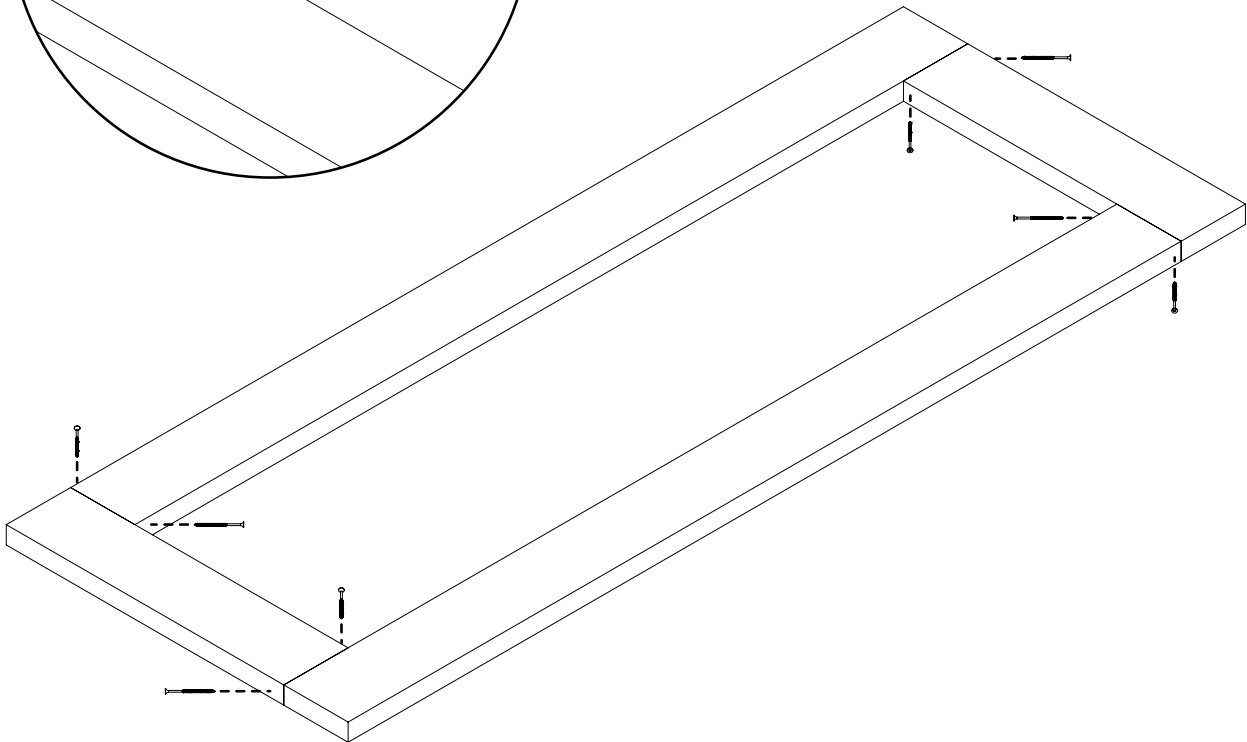
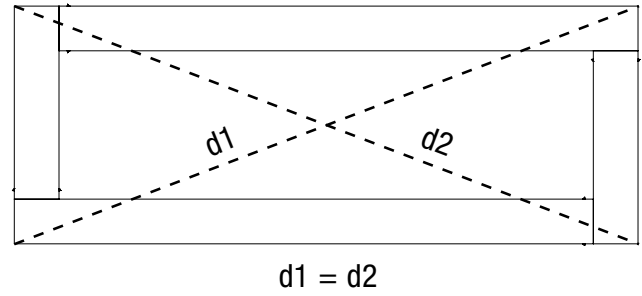
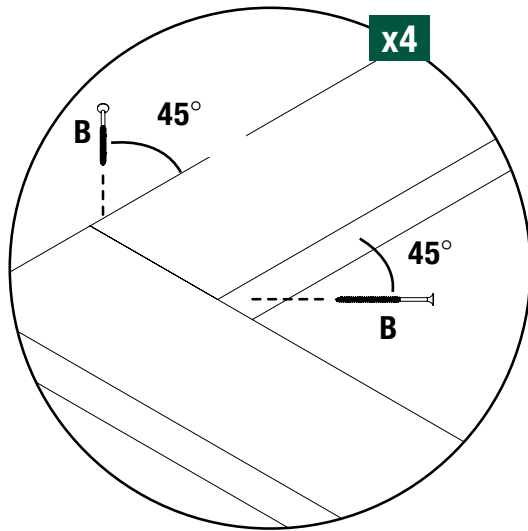
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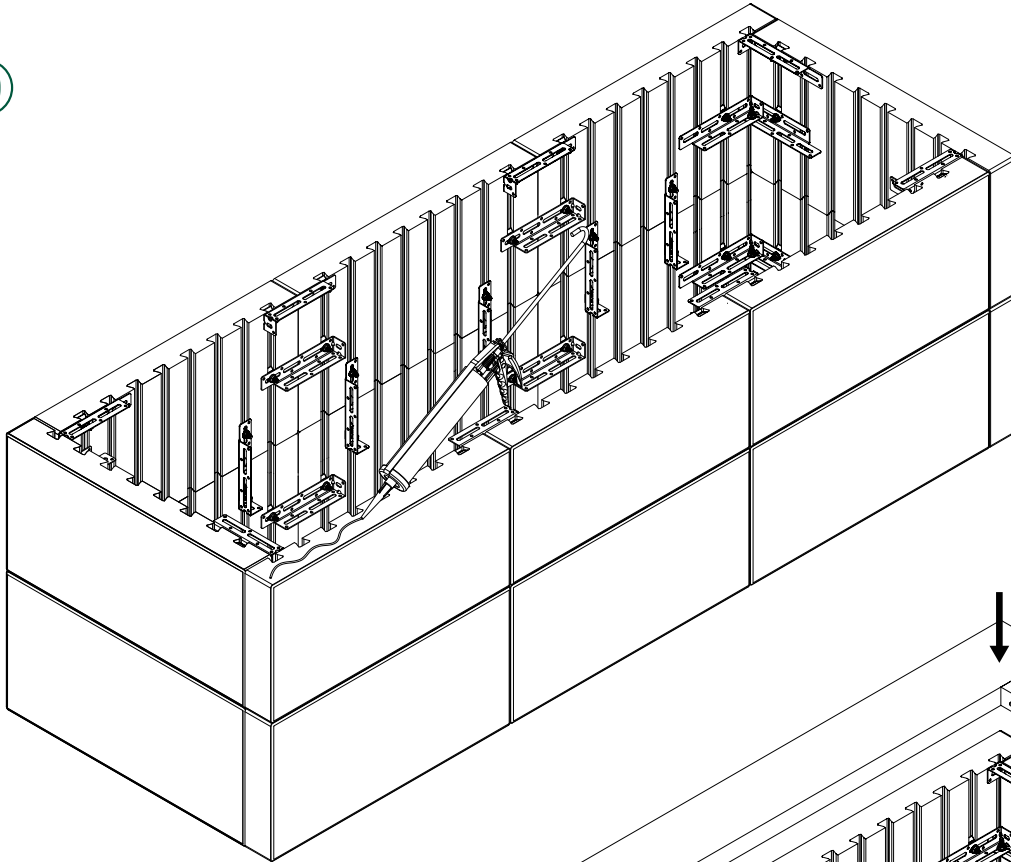
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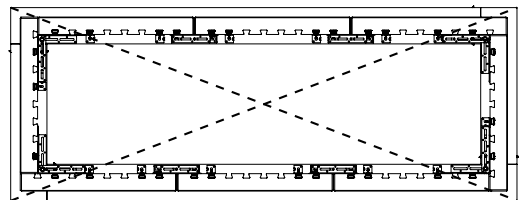
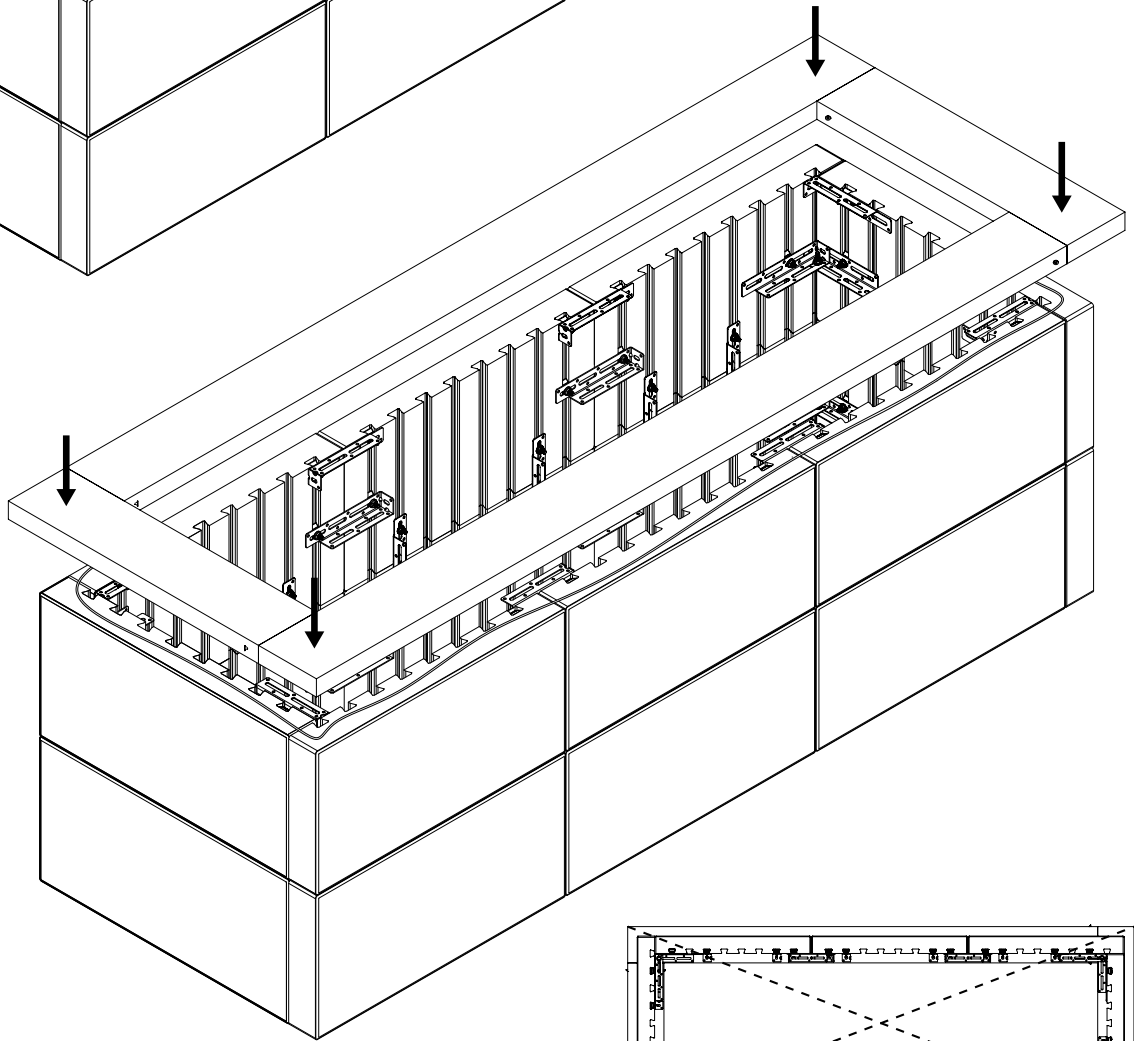
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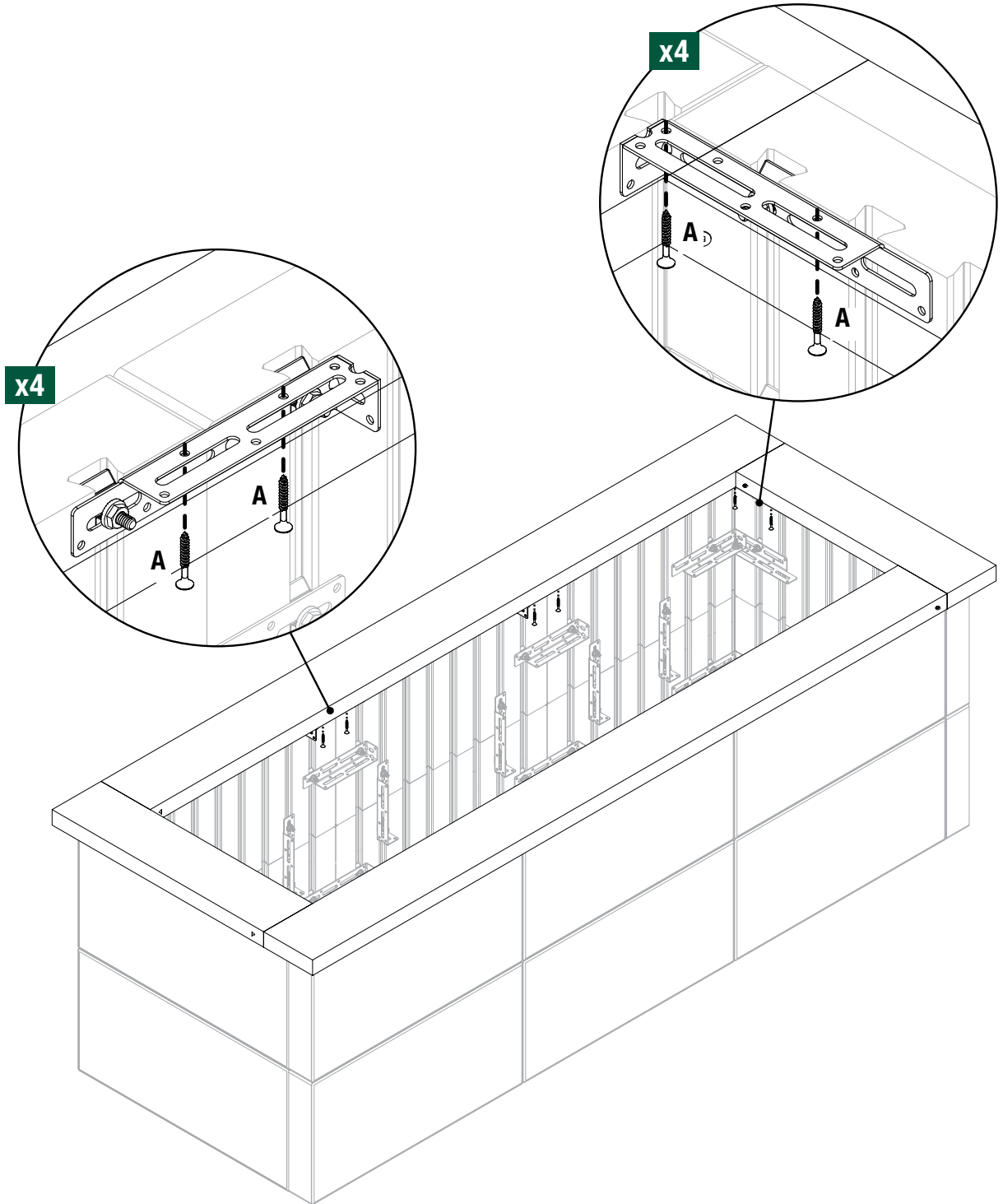
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20



21



# DESIGNFORMS™

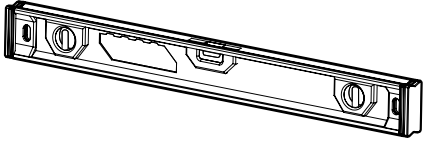
Single Counter - Solid Unit



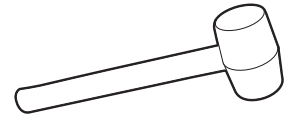
## REQUIRED TOOLS

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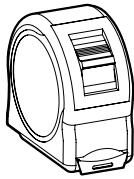
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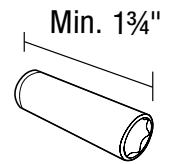
Rubber Mallet



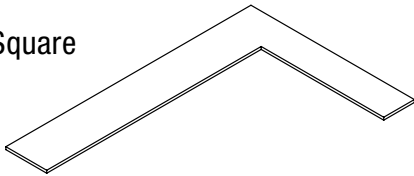
Measuring Tape



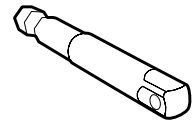
Deep Hex Socket  
7/16" with 1/4" Drive



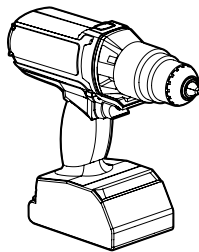
Carpenter Square



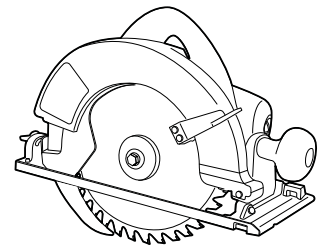
Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill



Skill Saw



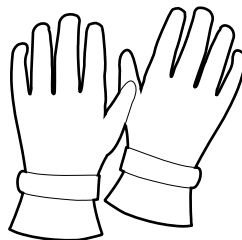
## SAFETY EQUIPMENT

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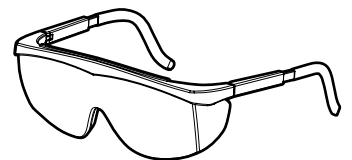
Safety Boots



Gloves



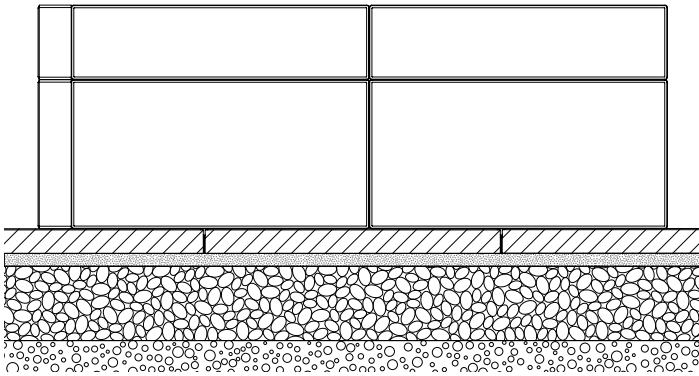
Safety Glasses



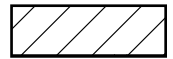
## BASE PREPARATION

*Always level ground before installation*

### On new or existing patio



Slab or Paver



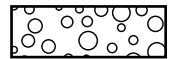
Bedding Sand 1"



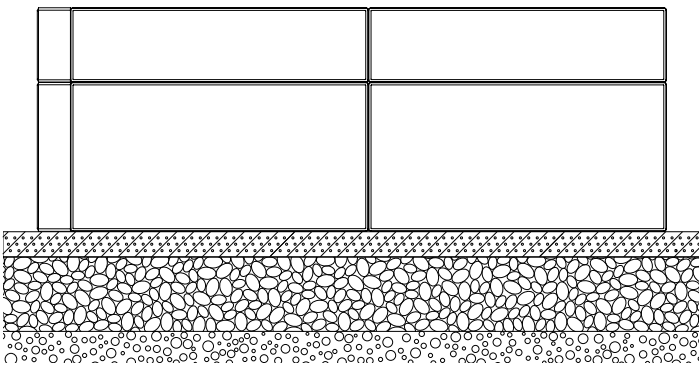
Compacted aggregates 6"- 8"



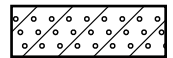
Soil



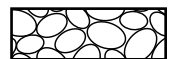
### On poured concrete



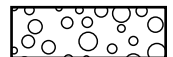
Reinforced Poured Concrete Foundation 2"



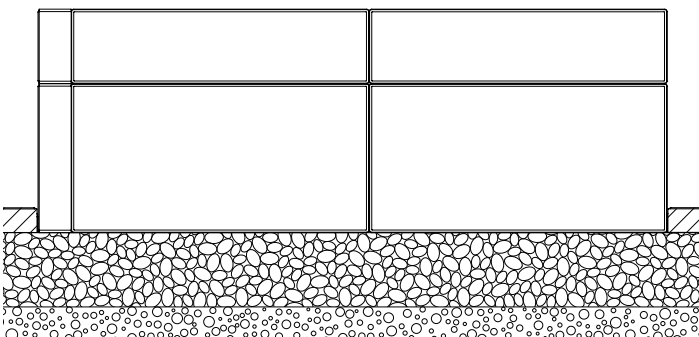
Compacted aggregates 6"- 8"



Soil



### On compacted foundation



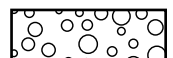
Slab or Paver



Compacted aggregates 6"- 8"



Soil

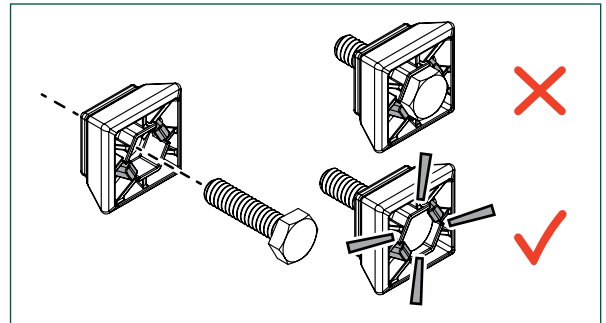


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

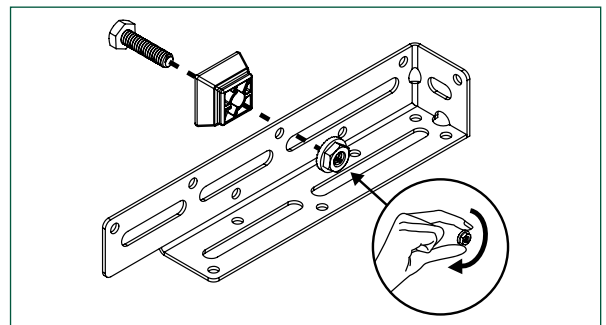
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

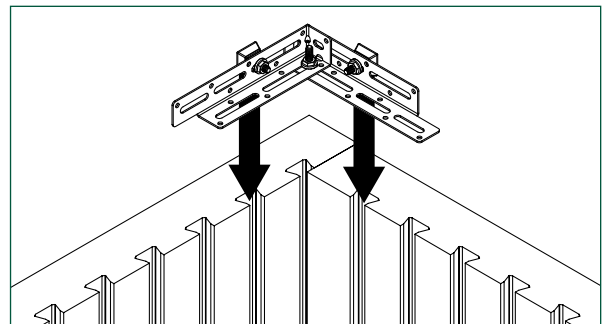
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

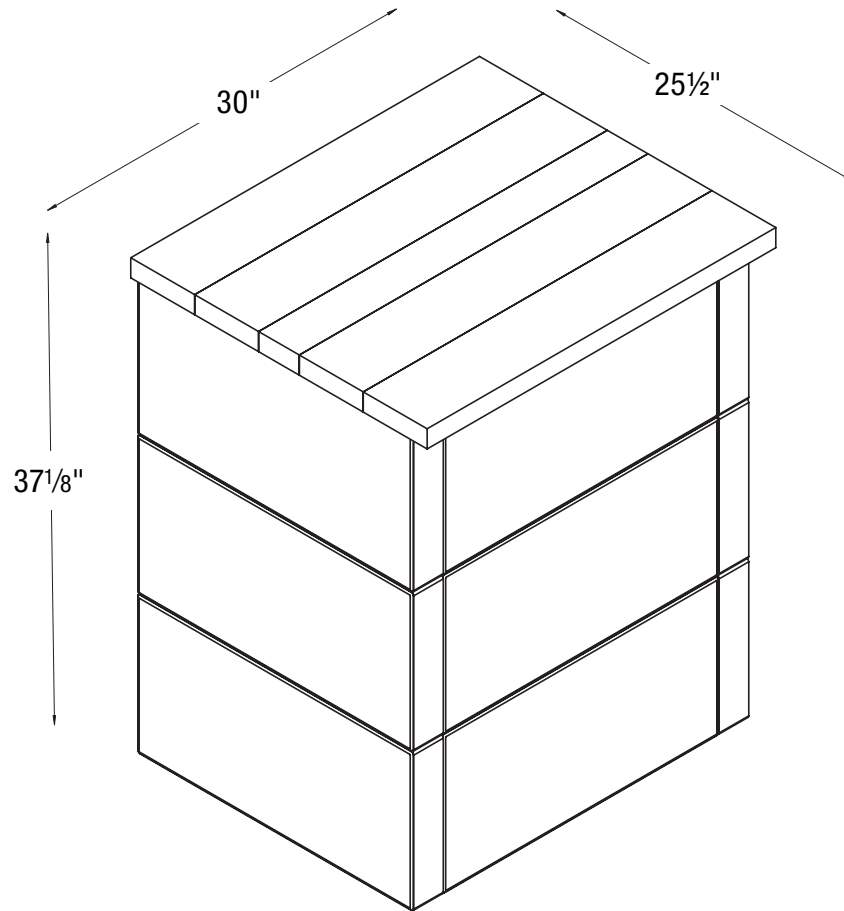
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

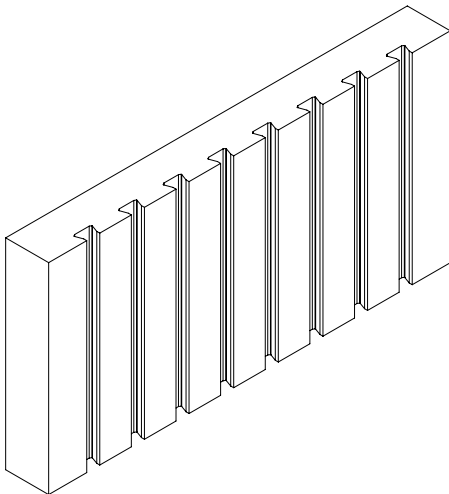
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

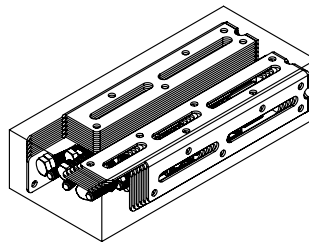


## COMPONENTS

Large Panel (x12)  
12" x 24"

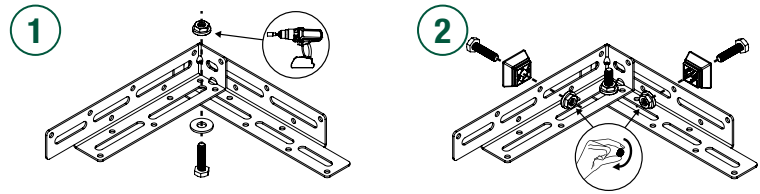
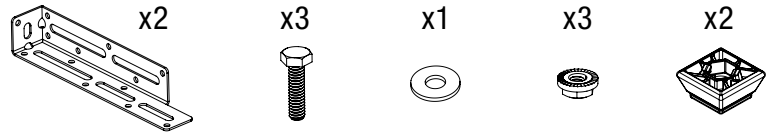
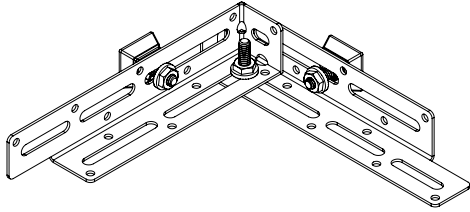


Hardware Kit (x3)



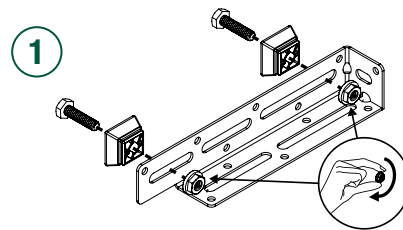
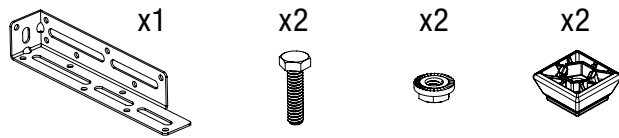
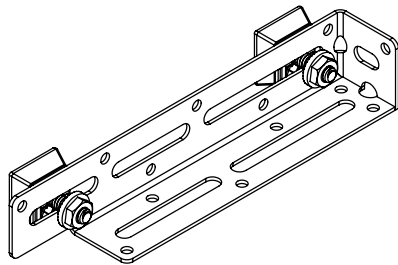
**BRACKET A**

**x12**

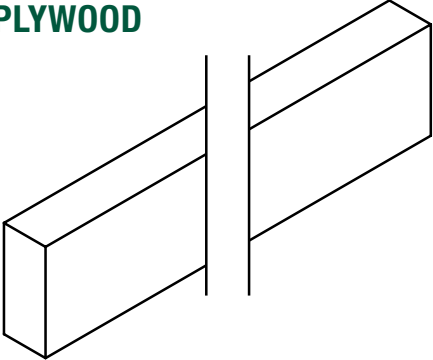
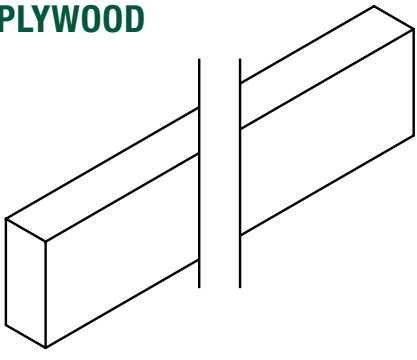
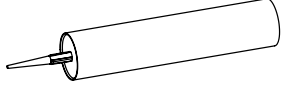
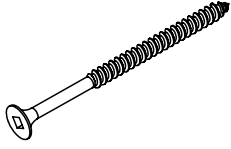


**BRACKET C**

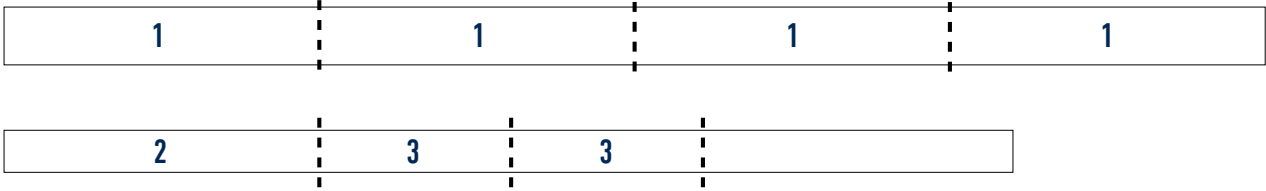
**x8**



### ADDITIONAL WOOD TOP COMPONENTS

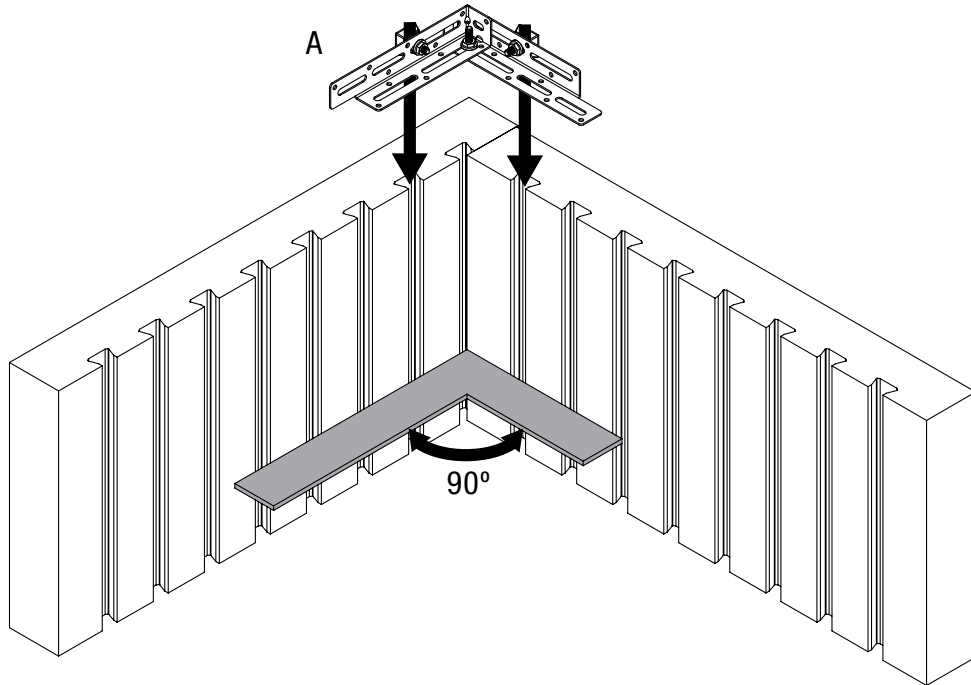
<p><b>2" x 6" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p>  <p><b>x1</b></p>	<p><b>2" x 4" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p>  <p><b>x1</b></p>	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p>  <p><b>x1</b></p> <p><b>#8 2½" DECK SCREW</b></p>  <p><b>x20</b></p>
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### WOOD CUTS

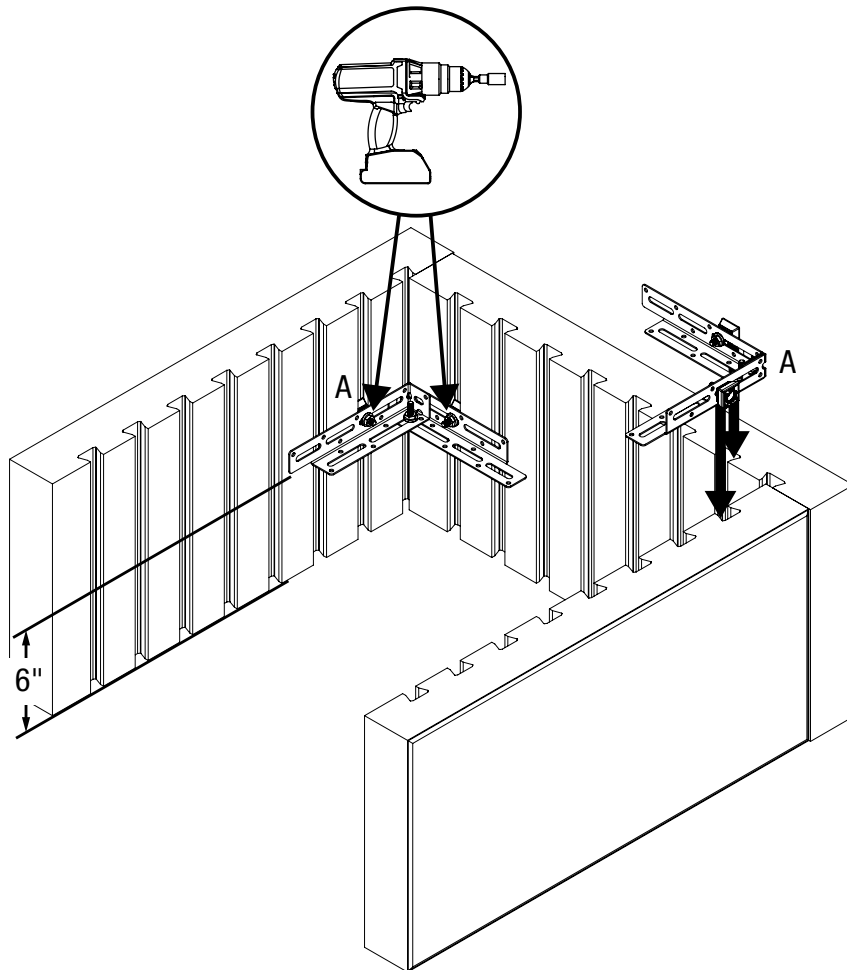


1 = 30"    2 = 30"    3 = 18¼"

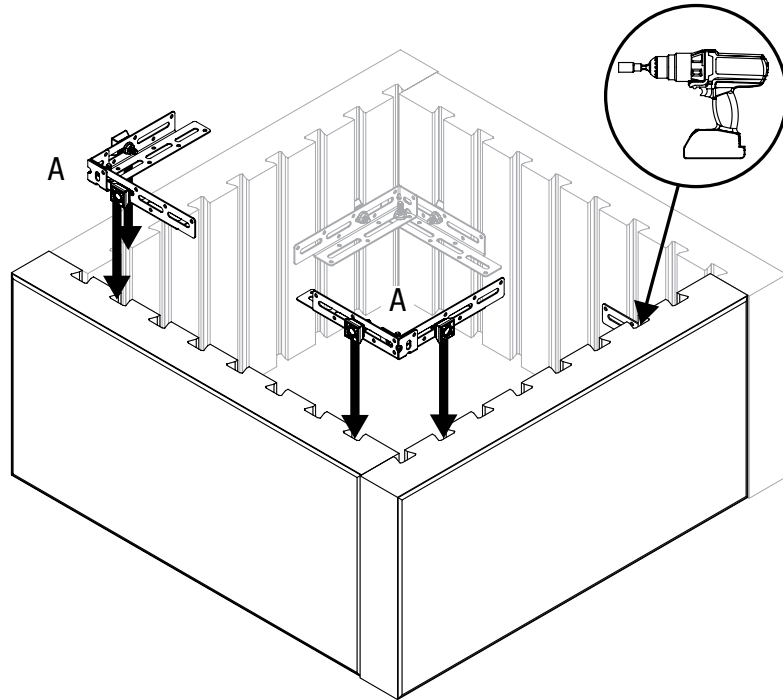
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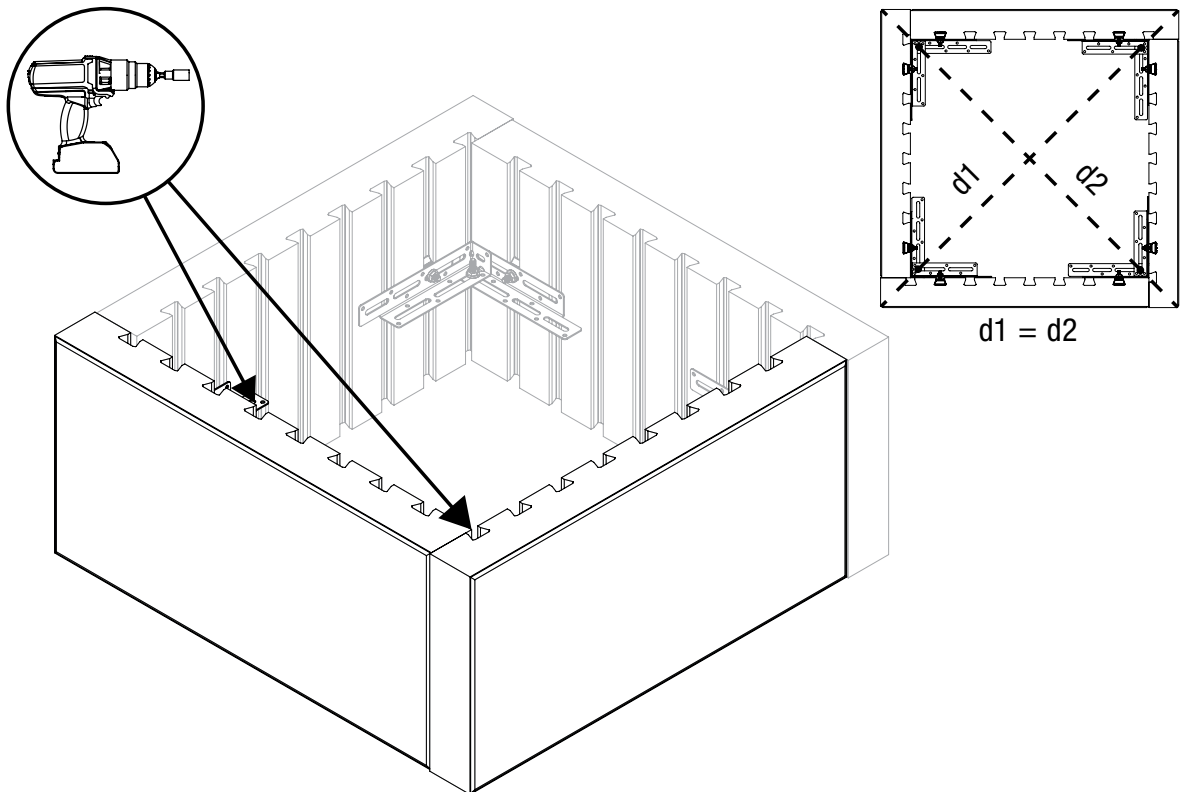
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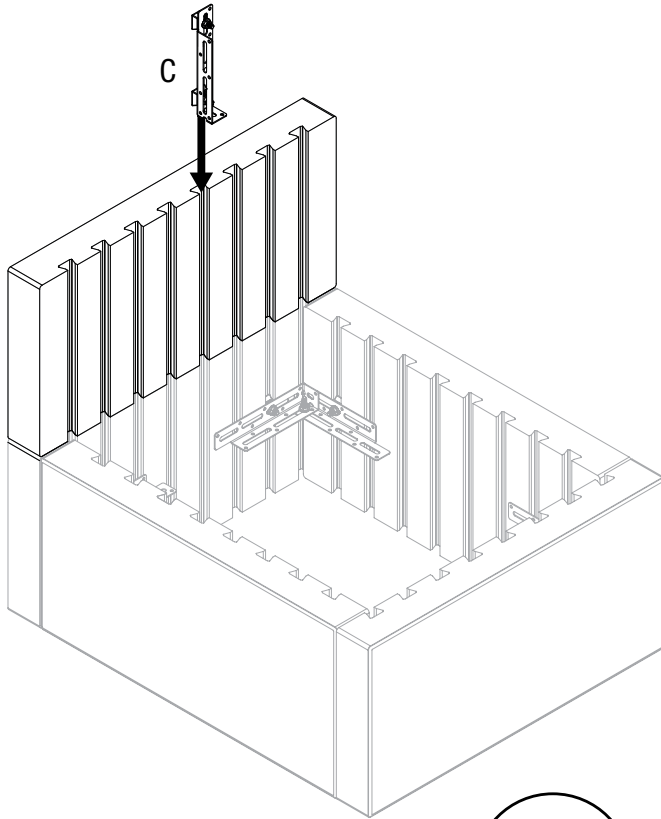
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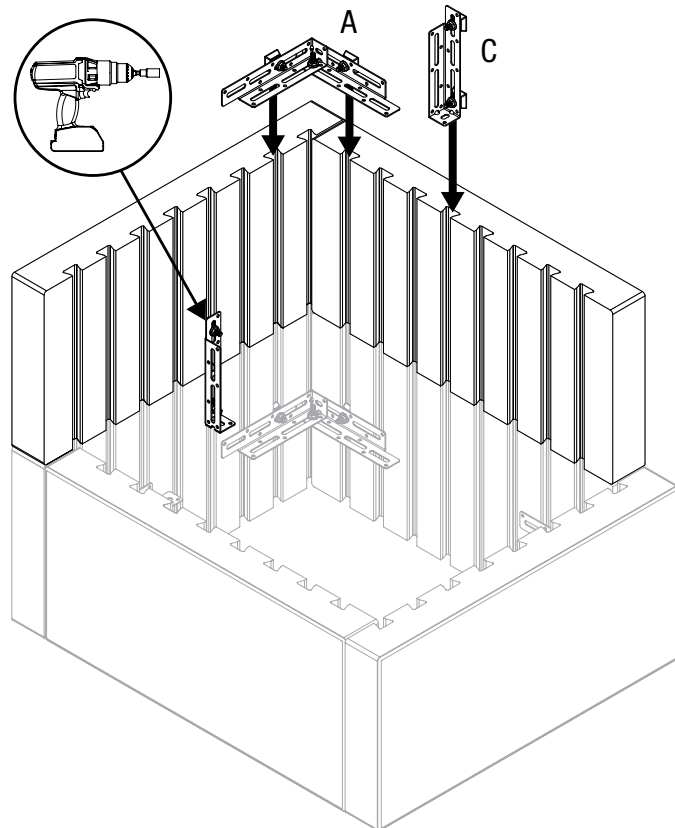
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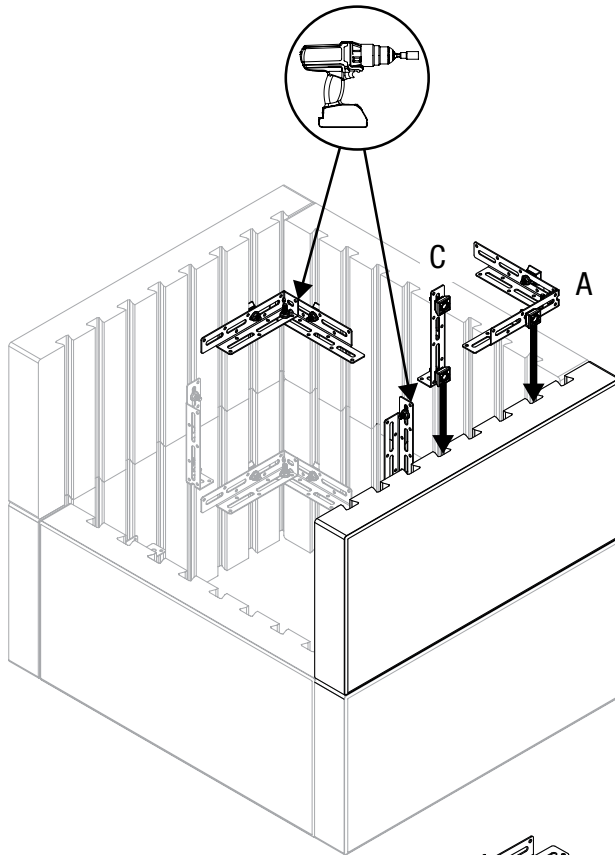
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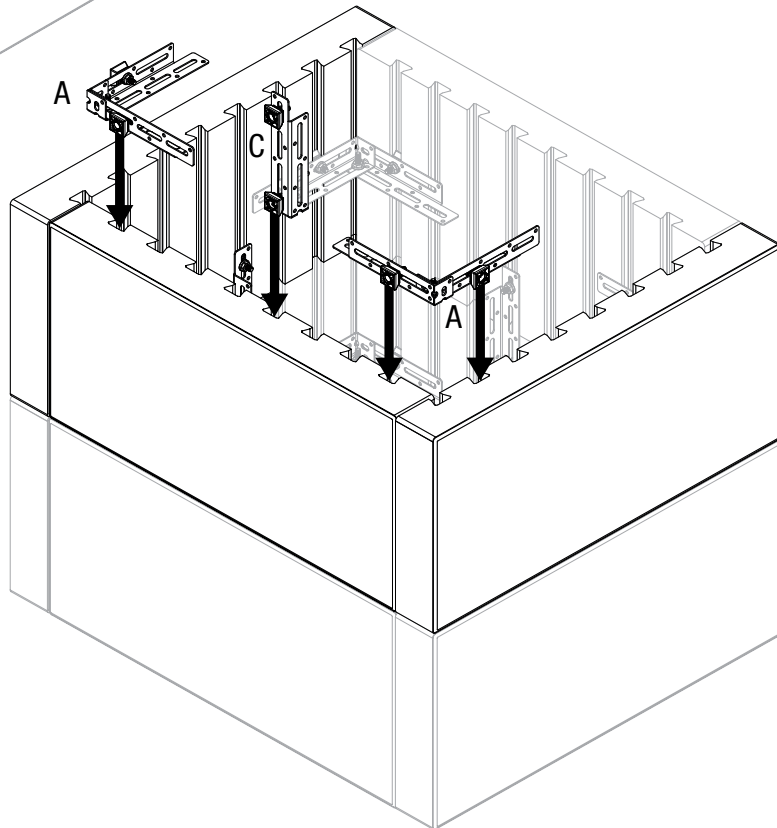
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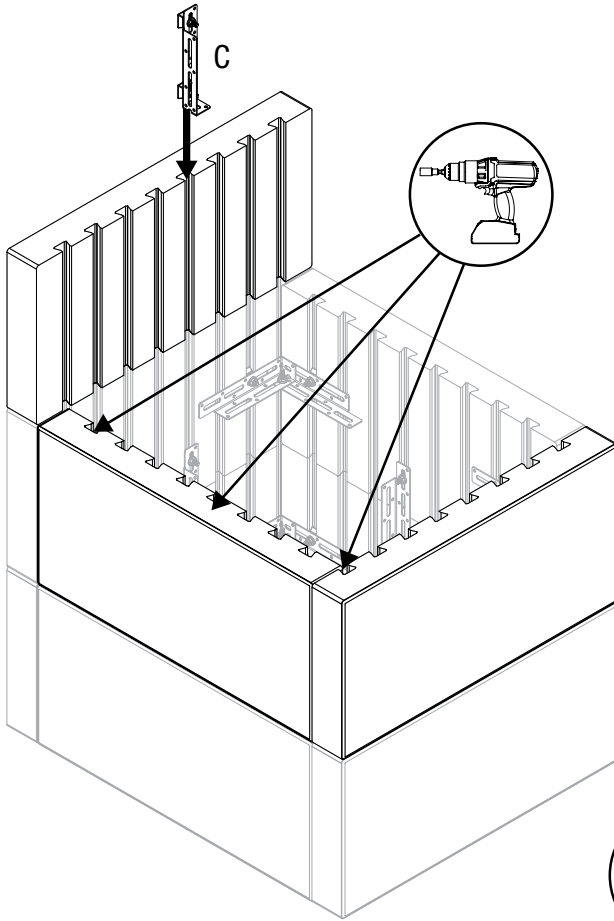
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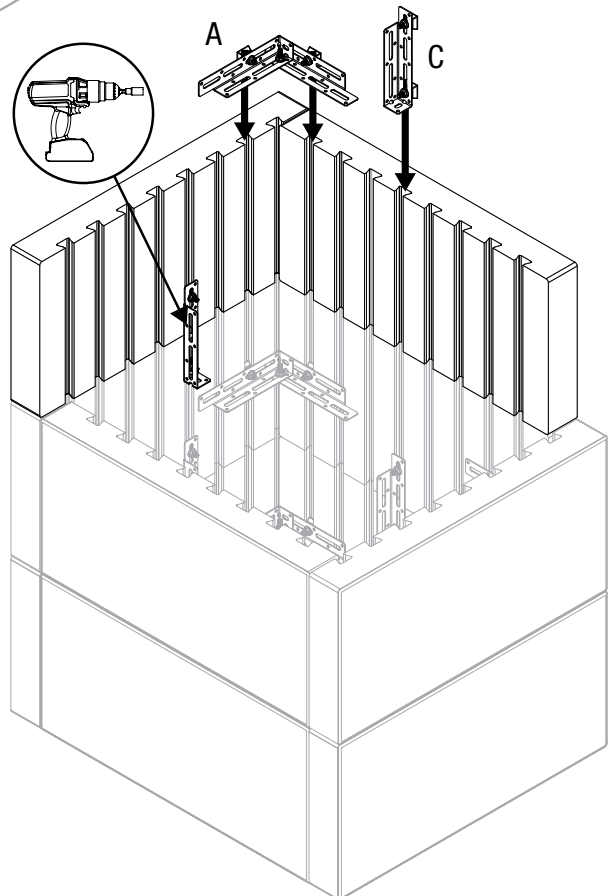
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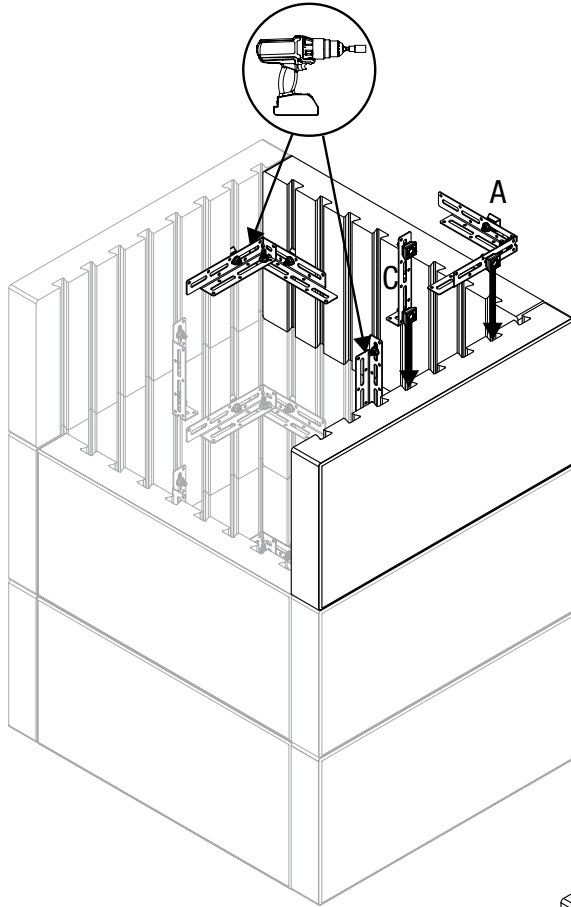
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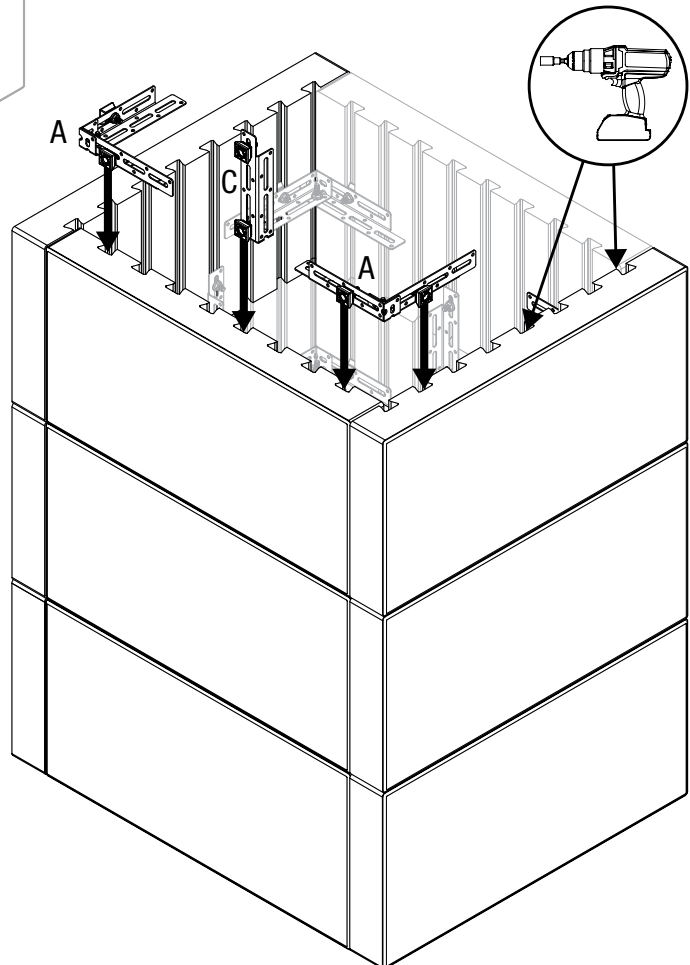
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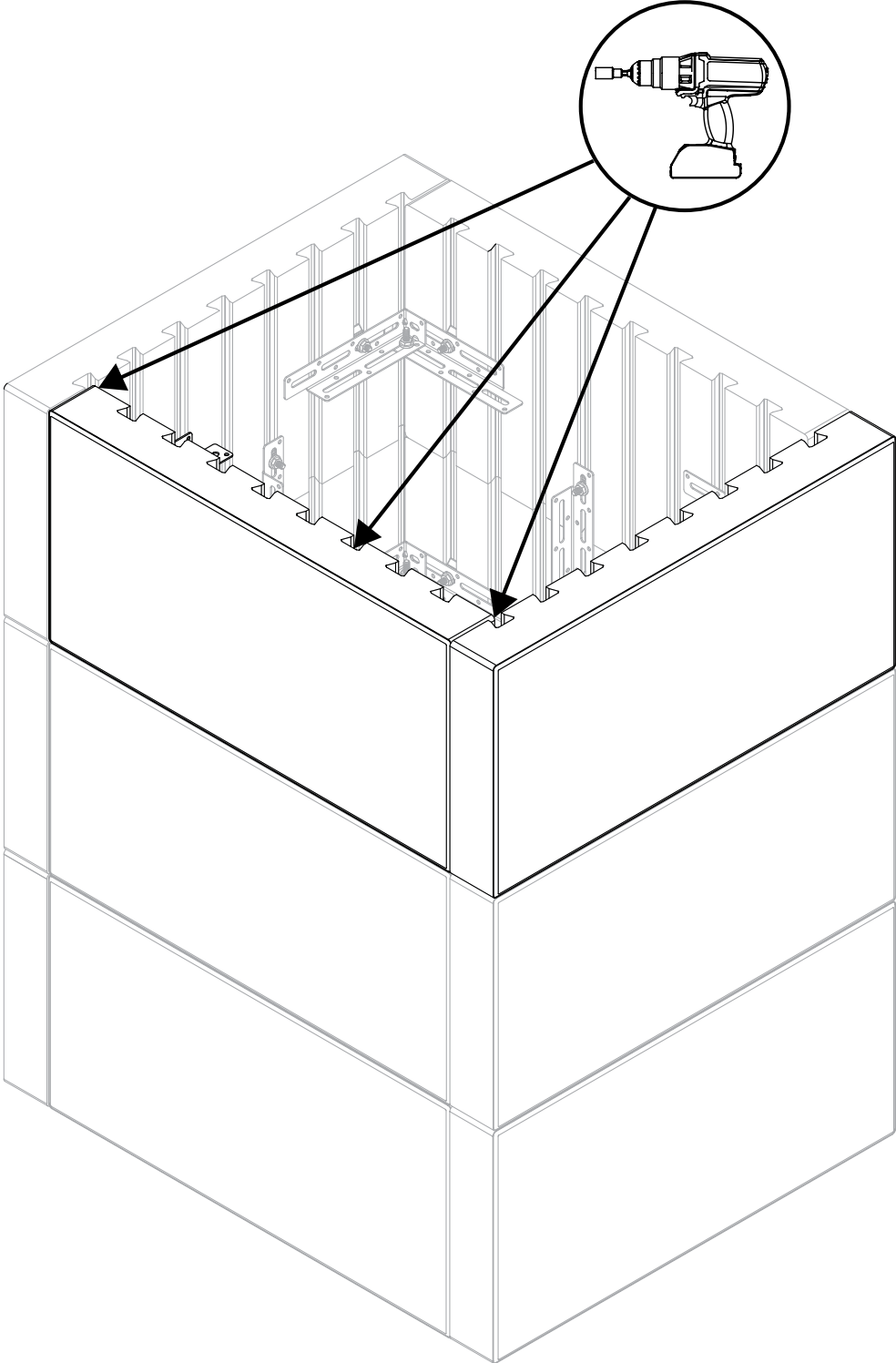
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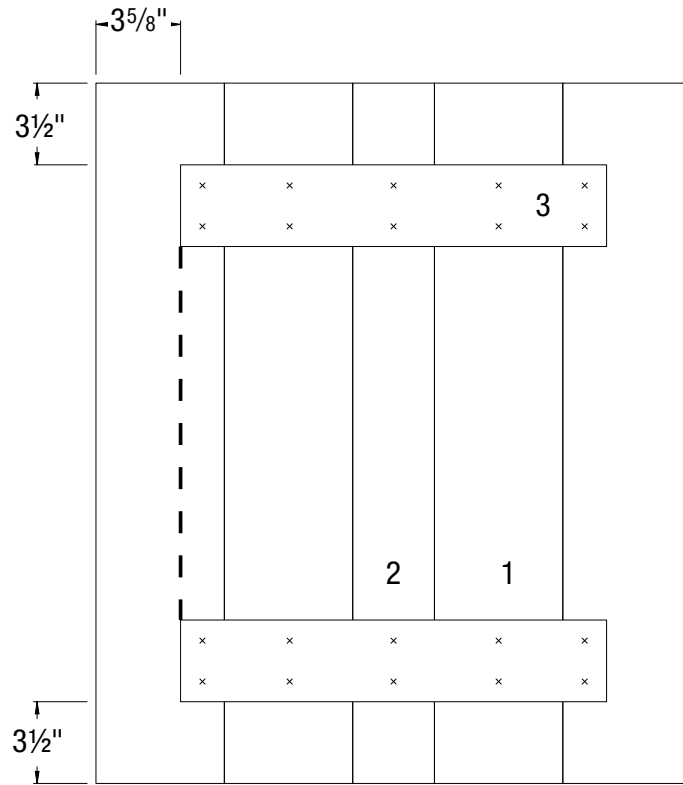
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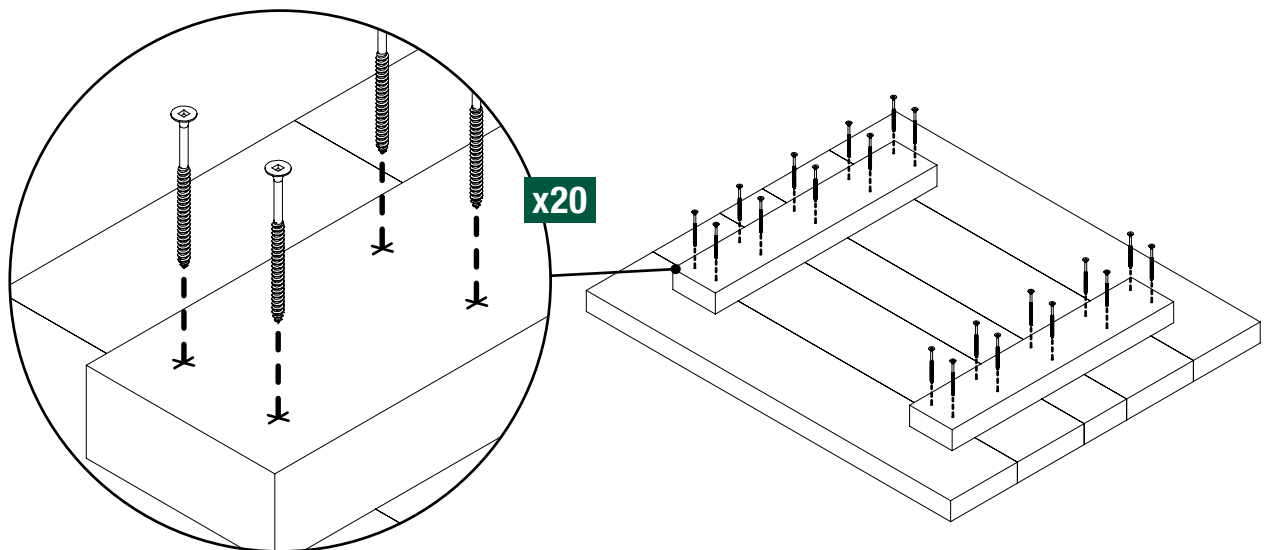


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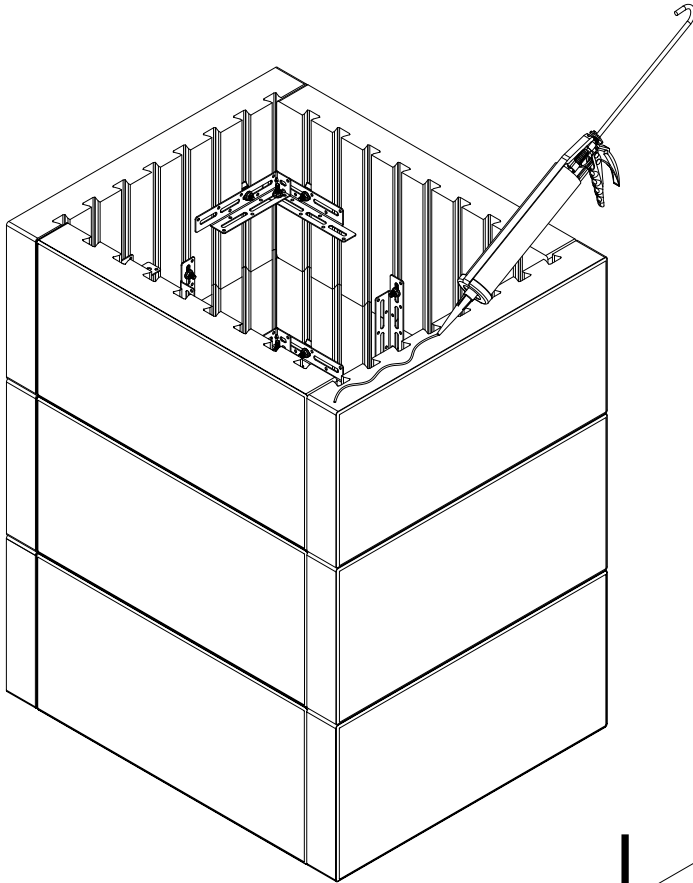


Center 2" x 4" between sides when constructing top

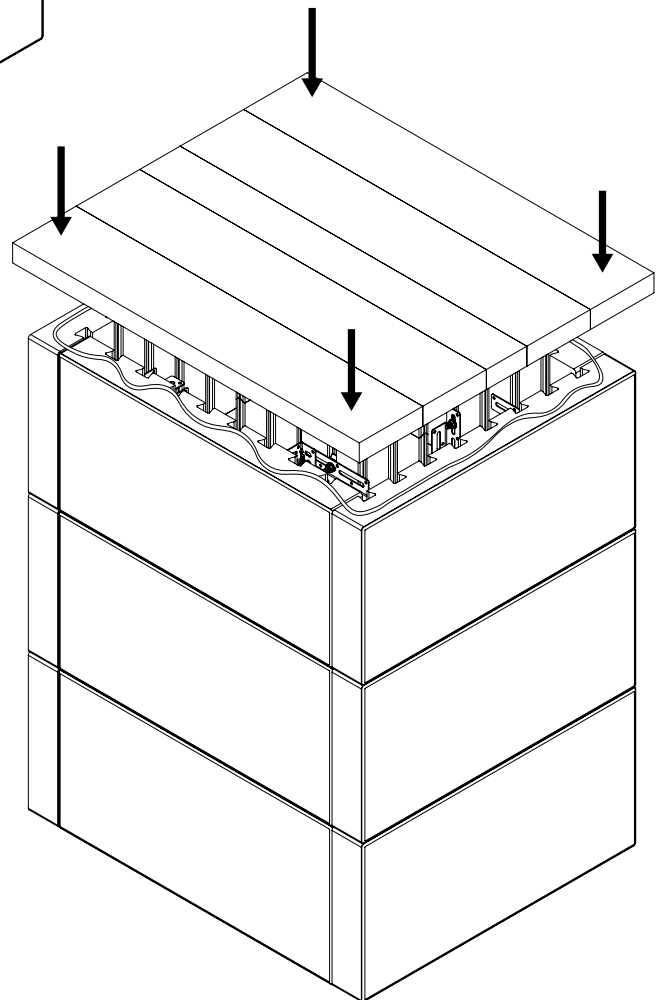
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16



17



# DESIGNFORMS™

## BBQ Surround Combo



**DISCLAIMER: Use of DESIGNFORMS™ BBQ Surround Combo: IMPORTANT NOTICE: Liability and Responsibility**

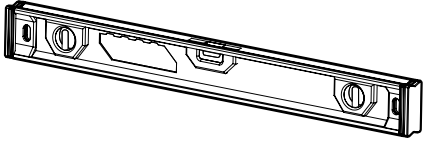
DESIGNFORMS™ is committed to providing high-quality products and comprehensive installation guidance for your convenience. However, it is imperative to acknowledge and adhere to certain precautions and responsibilities to ensure safe usage of our product.

1. No Responsibility for Homeowner Damages: DESIGNFORMS™ shall not be held responsible for any damages incurred by homeowners or their properties after the installation of our product, DESIGNFORMS™ BBQ Surround Combo. The responsibility for the proper use and maintenance of the product lies solely with the homeowner. 2. Consult Grill Operating Conditions: Before installing the DESIGNFORMS™ BBQ Surround Combo, homeowners must consult the grill manufacturer's operating conditions and restrictions. 3. Adherence to Safety Regulations: Homeowners must comply with all local and national safety regulations pertaining to the installation and operation of grills and associated structures. Failure to do so may result in accidents, damage, or non-compliance with legal requirements.

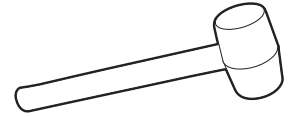
## REQUIRED TOOLS

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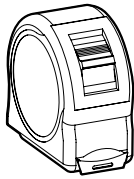
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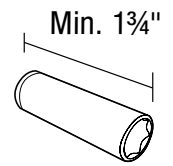
Rubber Mallet



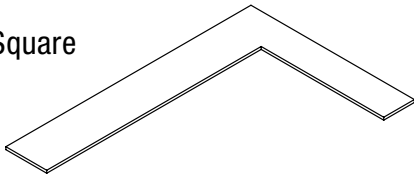
Measuring Tape



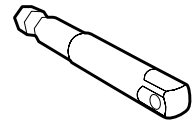
Deep Hex Socket  
7/16" with 1/4" Drive



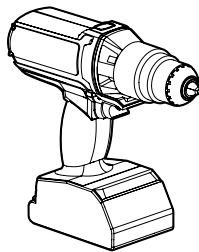
Carpenter Square



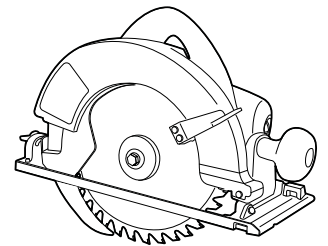
Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill



Skill Saw



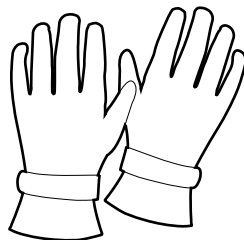
## SAFETY EQUIPMENT

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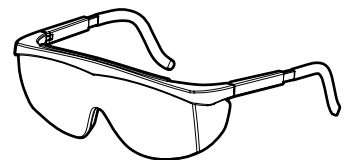
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Gloves



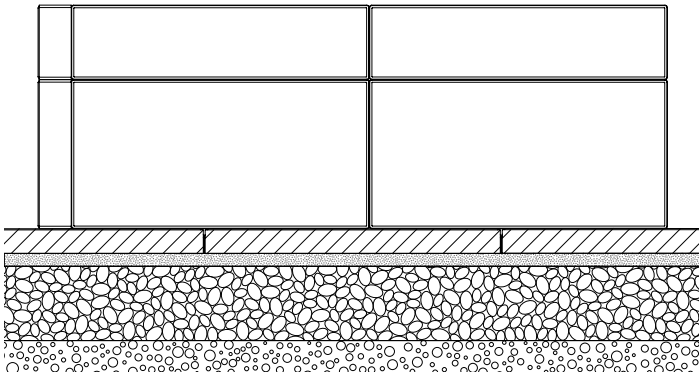
Safety Glasses



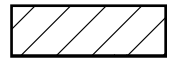
## BASE PREPARATION

*Always level ground before installation*

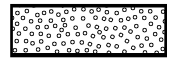
### On new or existing patio



Slab or Paver



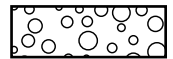
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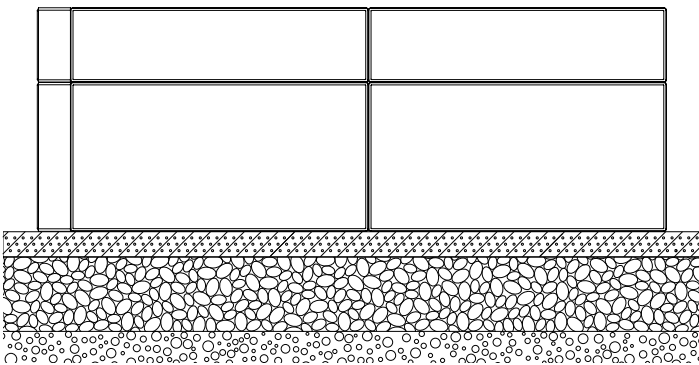
Compacted aggregates 6" - 8"



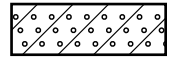
Soil



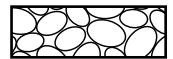
### On poured concrete



Reinforced Poured Concrete Foundation 2"



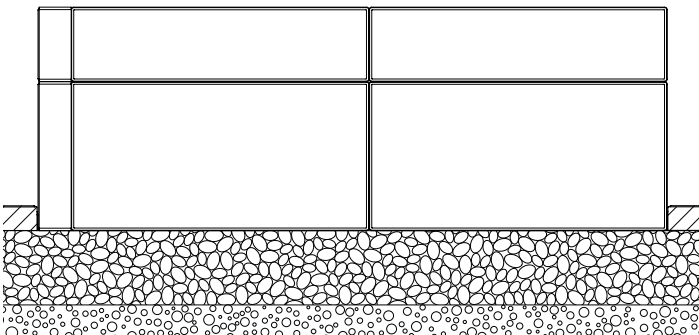
Compacted aggregates 6" - 8"



Soil



### On compacted foundation



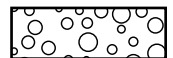
Slab or Paver



Compacted aggregates 6" - 8"



Soil

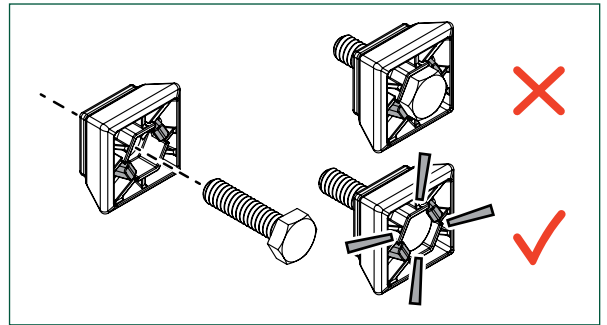


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

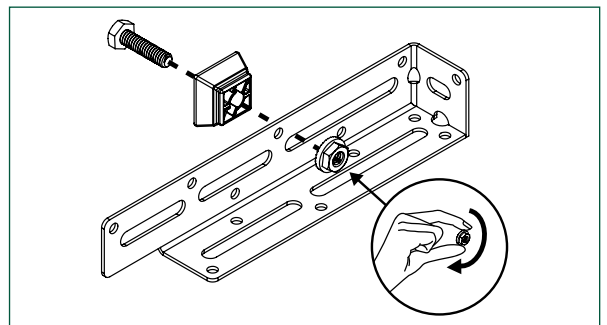
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

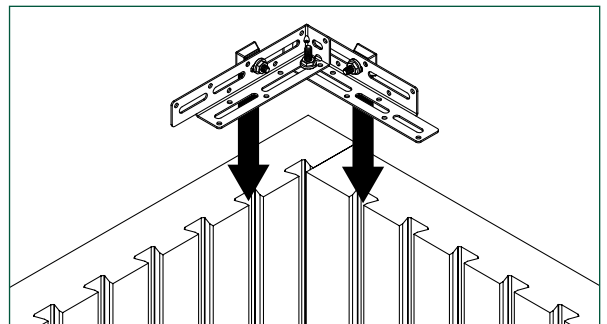
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

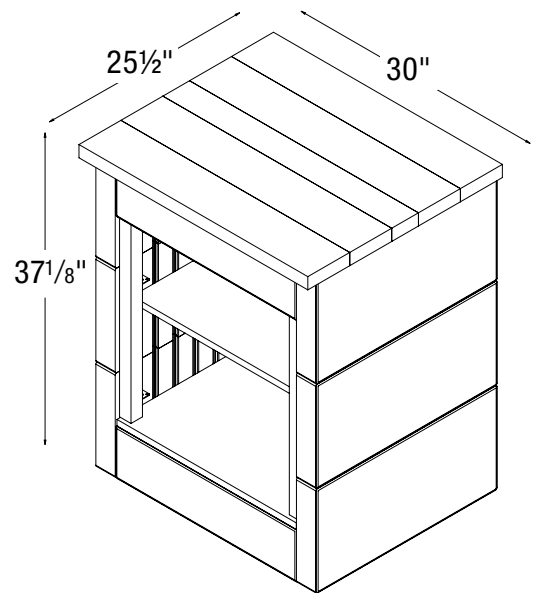
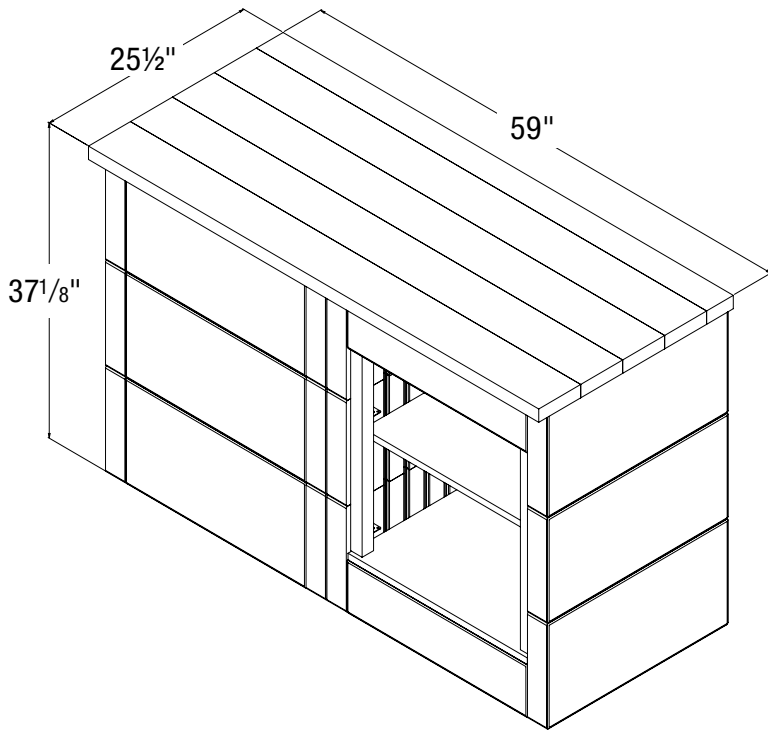
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

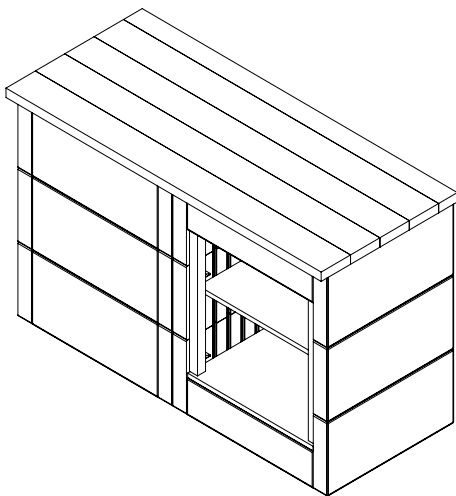
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

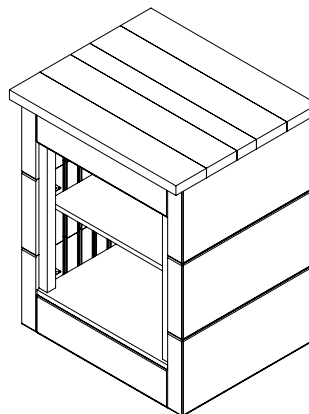


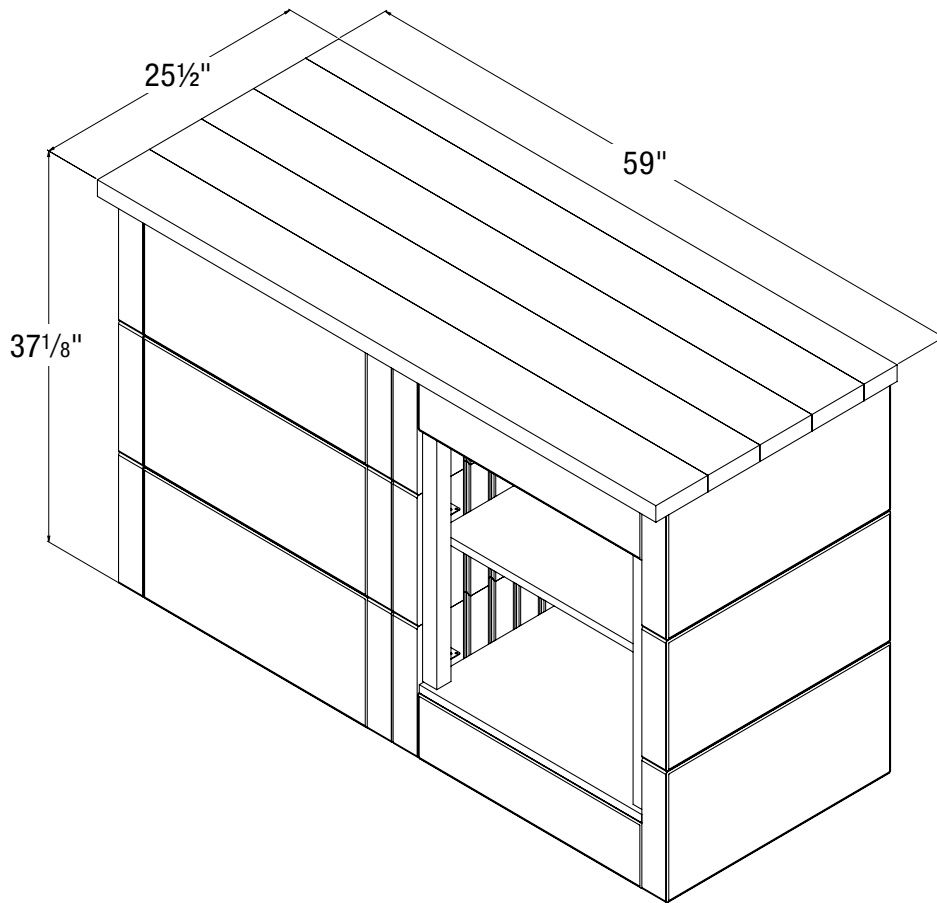
## COMPONENTS

Counter Combo A -  
1 Shelving Unit and 1 Solid Unit



Single Counter - 1 Shelving Unit



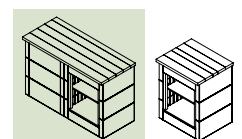
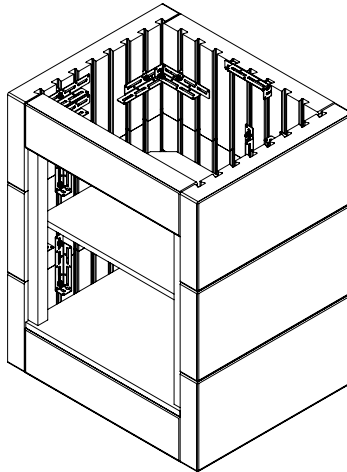
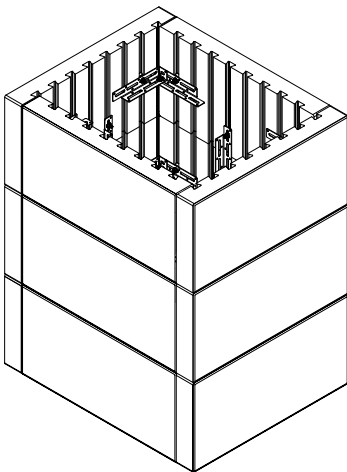


## COMPONENTS

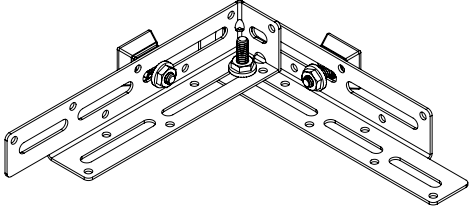
**Build side by side. Wood top construction instructions follow in this guide.**

Single Counter - Solid Unit x 1

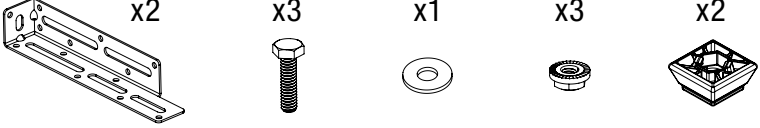
Single Counter - Shelving Unit x 1

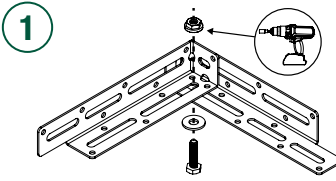
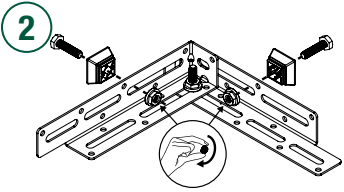


**BRACKET A** x6

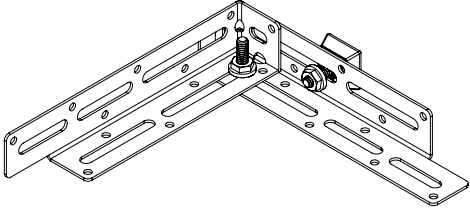


x2      x3      x1      x3      x2

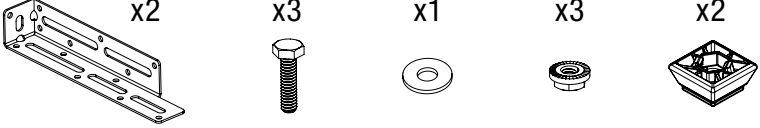


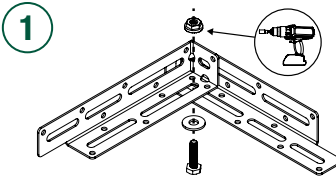
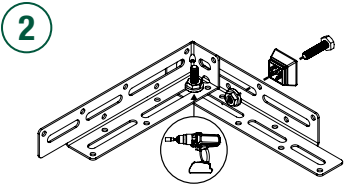
**1**  **2** 

**BRACKET A1** x3

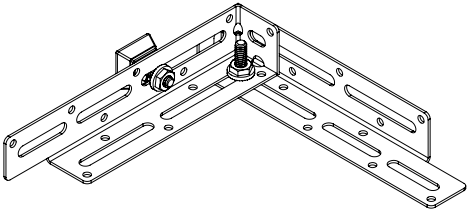


x2      x3      x1      x3      x2

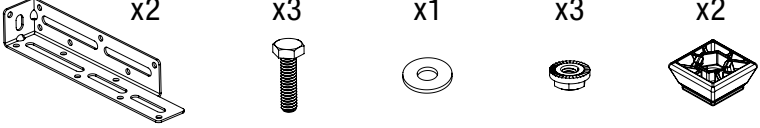


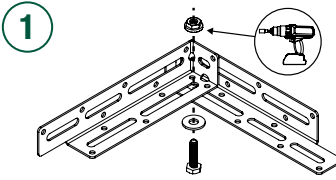
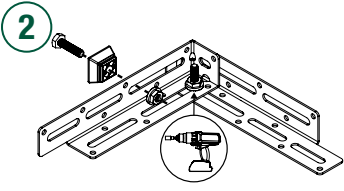
**1**  **2** 

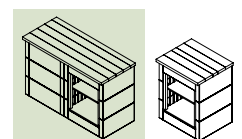
**BRACKET A2** x3



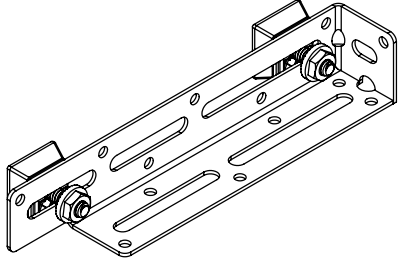
x2      x3      x1      x3      x2



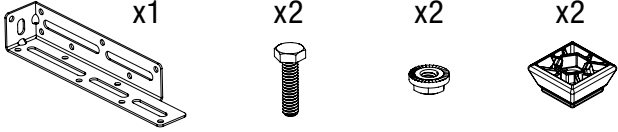
**1**  **2** 



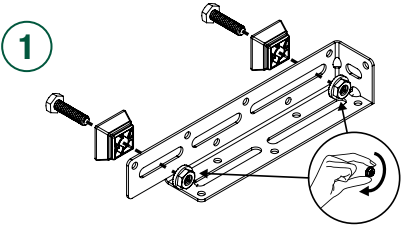
**BRACKET C** x8



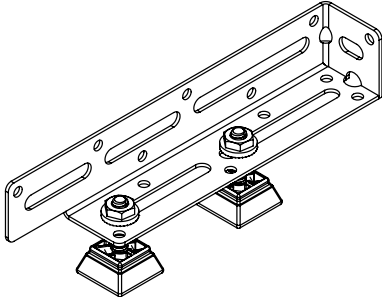
x1 x2 x2 x2



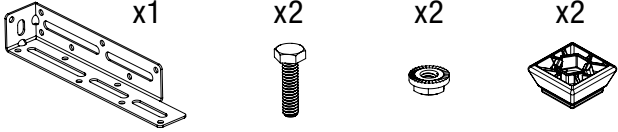
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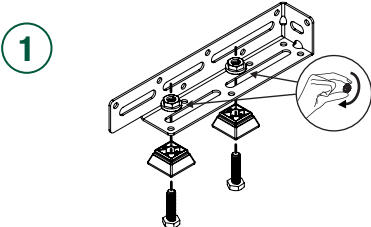
**BRACKET C1** x1



x1 x2 x2 x2

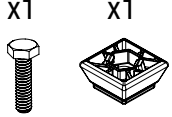


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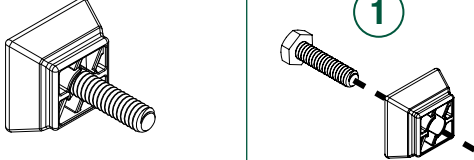


**ASSEMBLY I** x6


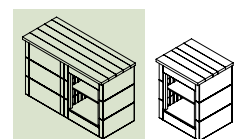
x1 x1



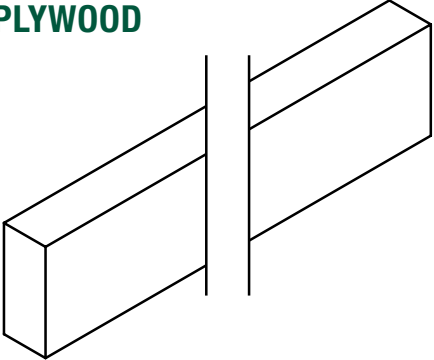
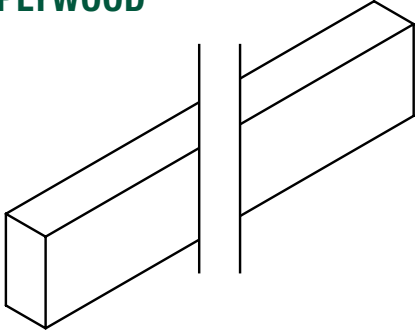
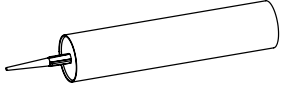
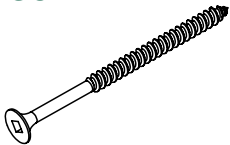
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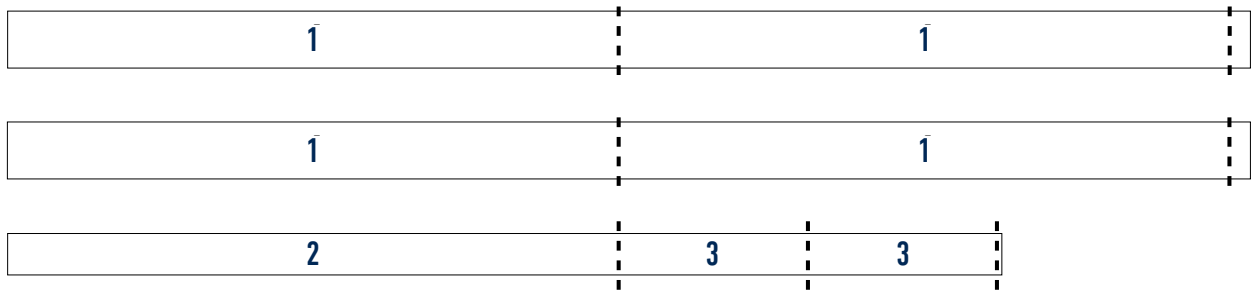
**J** x6

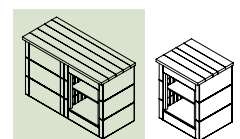
**SINGLE COUNTER - SHELVING UNIT COMPONENTS**

<p><b>2" x 6" x 10'</b> <b>PRESSURE TREATED PLYWOOD</b></p> <p><b>x2</b></p> 	<p><b>2" x 4" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p> <p><b>x1</b></p>  <p><b>B #8 2½" DECK SCREW</b></p> <p><b>x20</b></p> 
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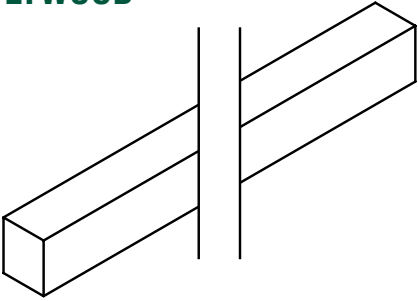
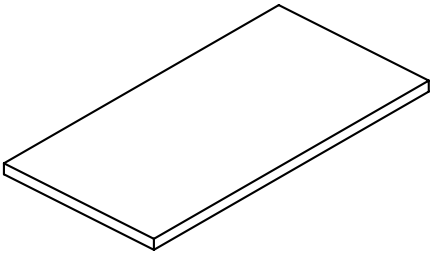
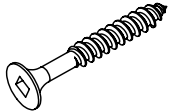
**WOOD CUTS - counter top only**



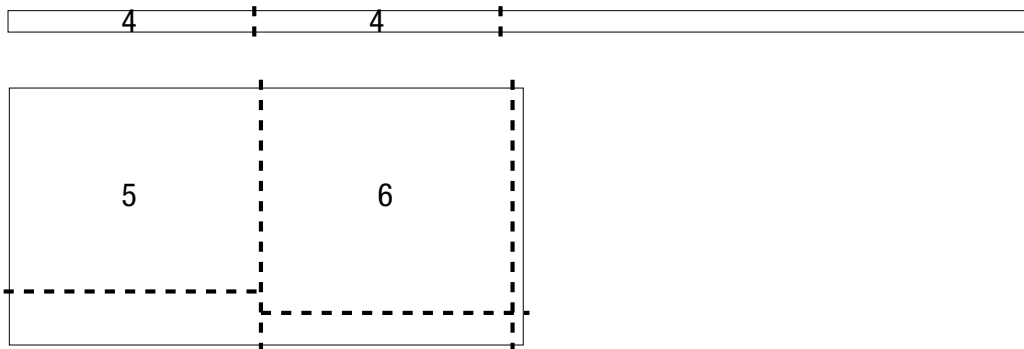
1 = 59"    2 = 59"    3 = 18¼"



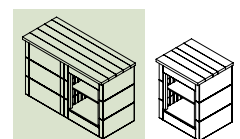
**SINGLE COUNTER - SHELVING UNIT COMPONENTS**

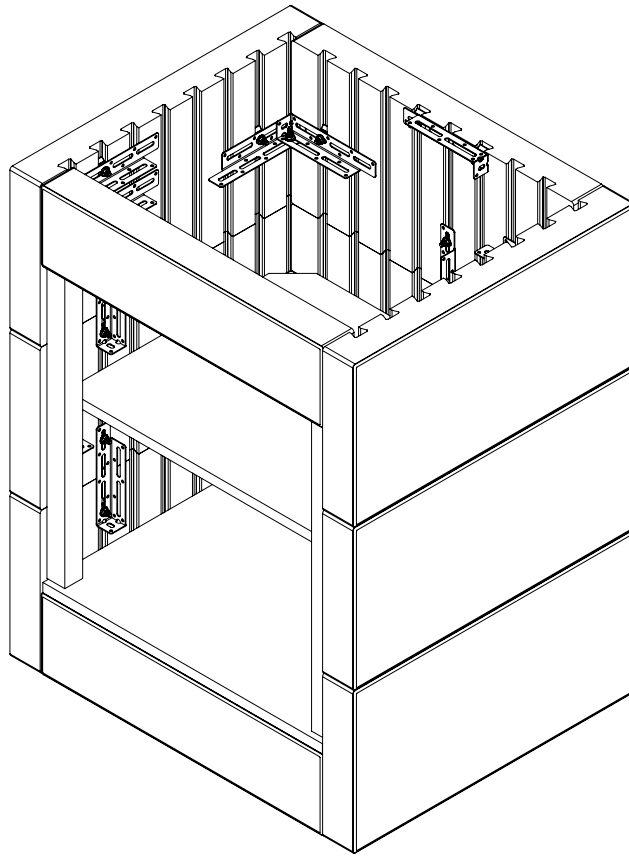
<p><b>2" x 2" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>2' x 4' x 3/4"</b> <b>PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>A #8 1 1/4"</b> <b>DECK SCREW</b></p> <p><b>x10</b></p> 
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**WOOD CUTS**



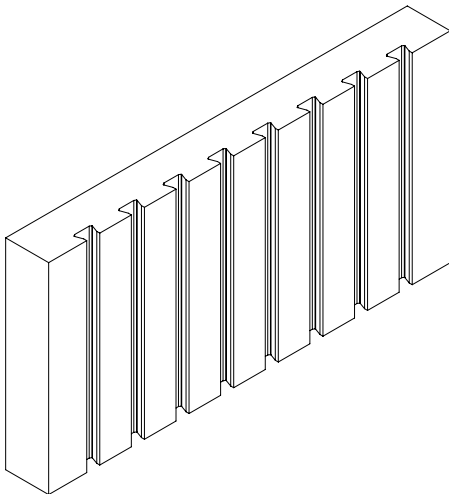
4 = 23"    5 = 19 x 23 1/2"    6 = 21 x 23 1/2"



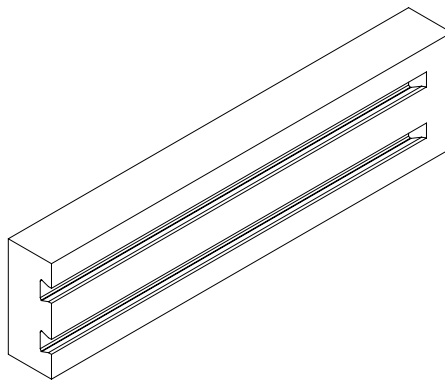


## COMPONENTS

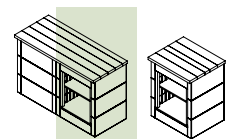
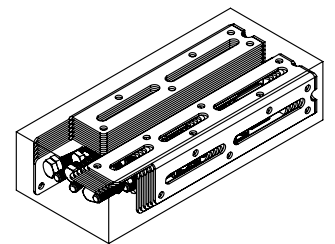
Large Panel (x9)  
12" x 24"



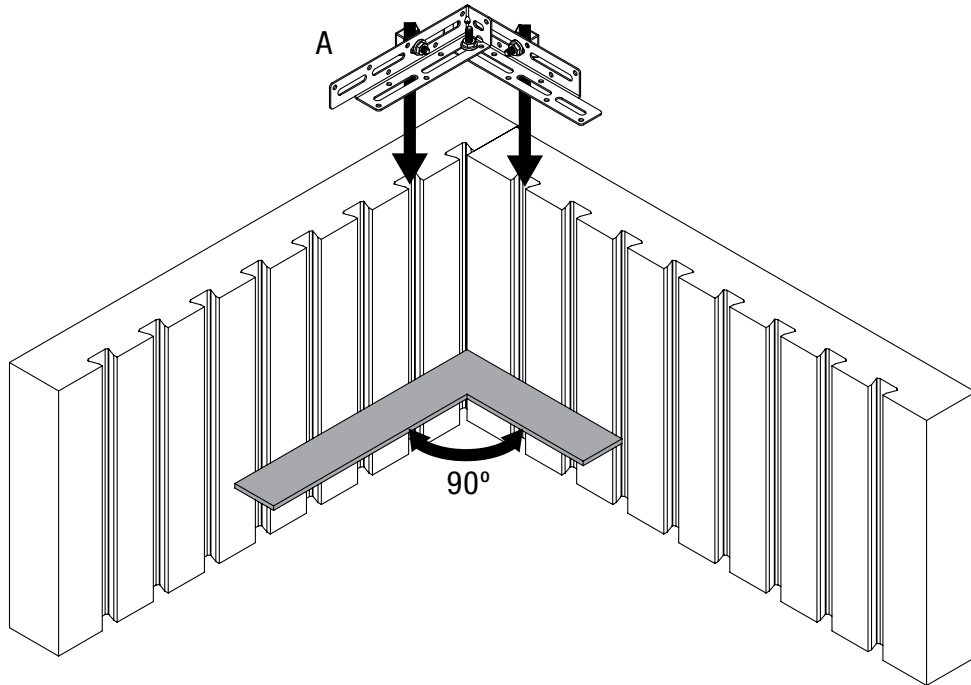
Small Panel (x2)  
6" x 24"



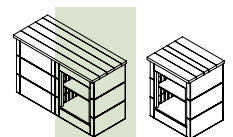
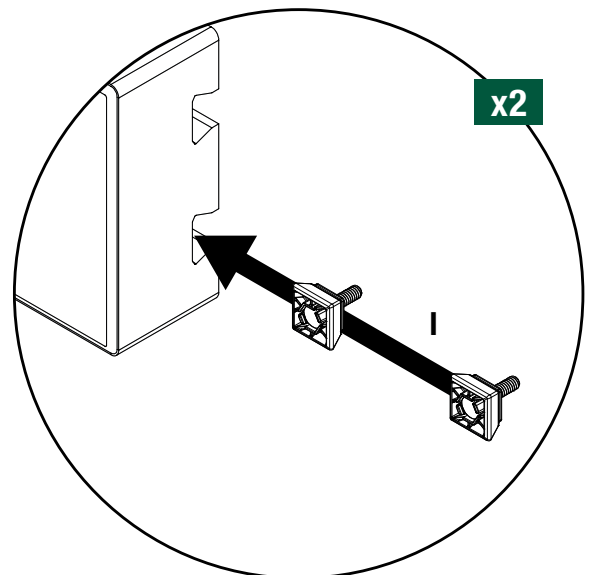
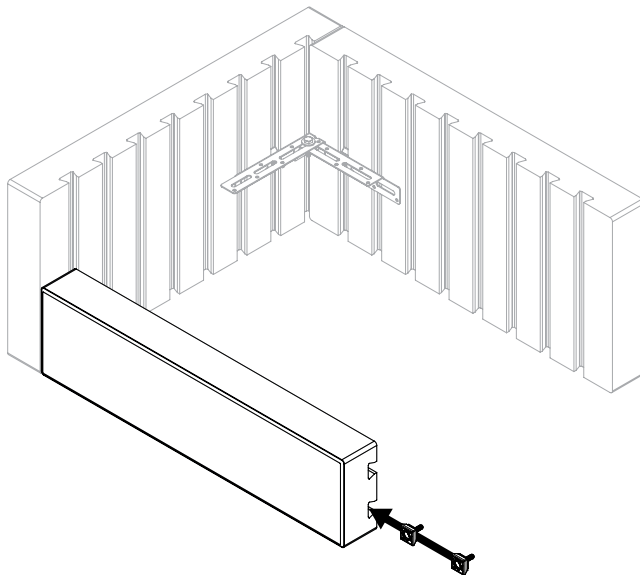
Hardware Kit (x3)



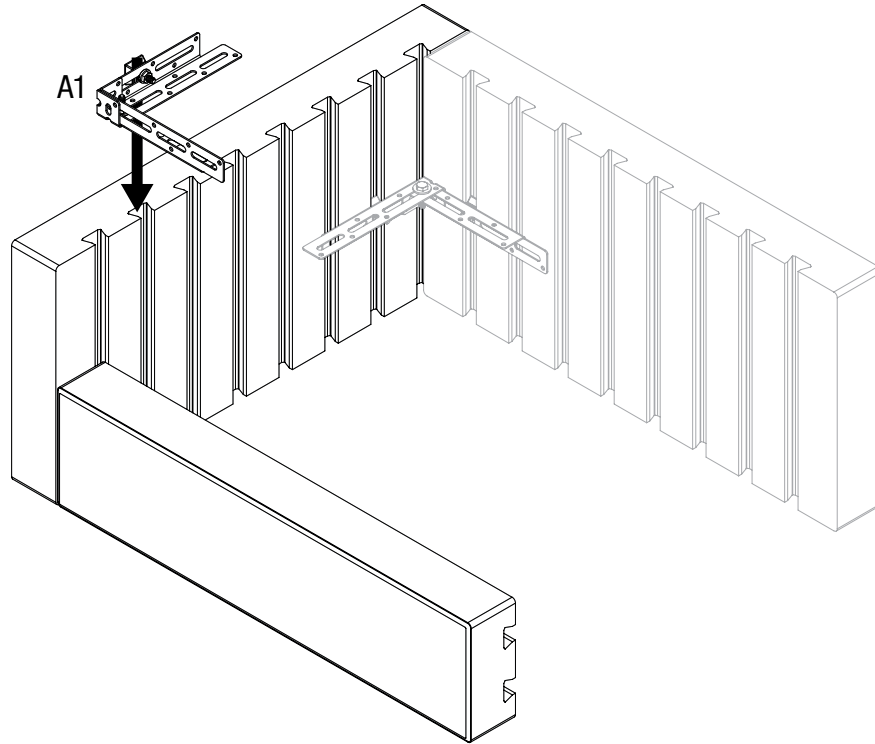
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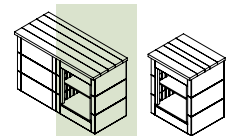
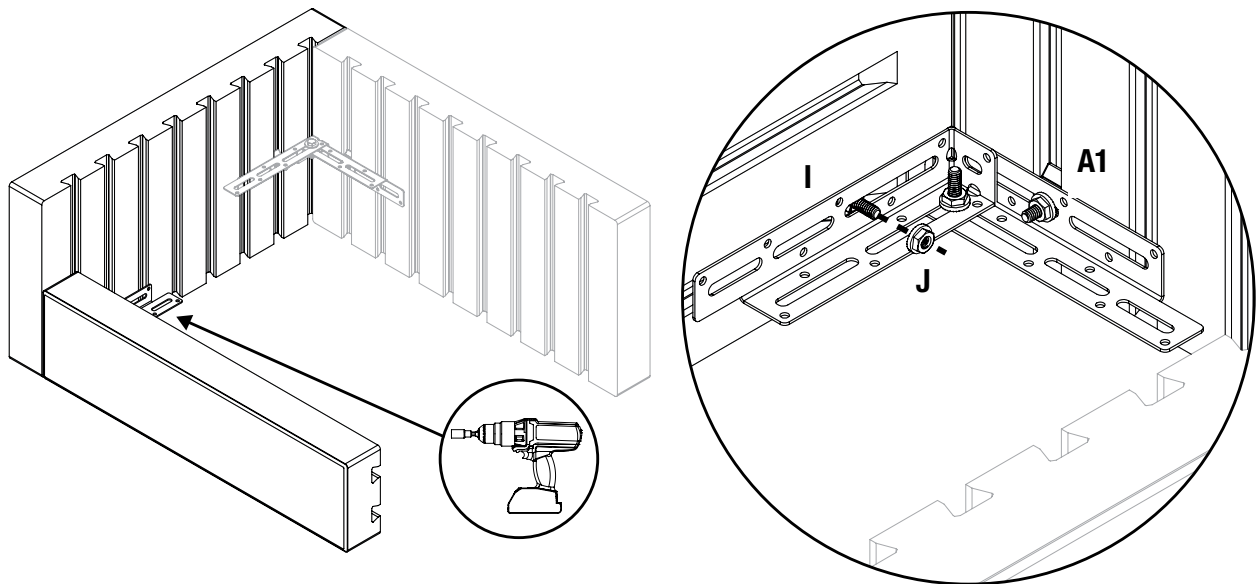
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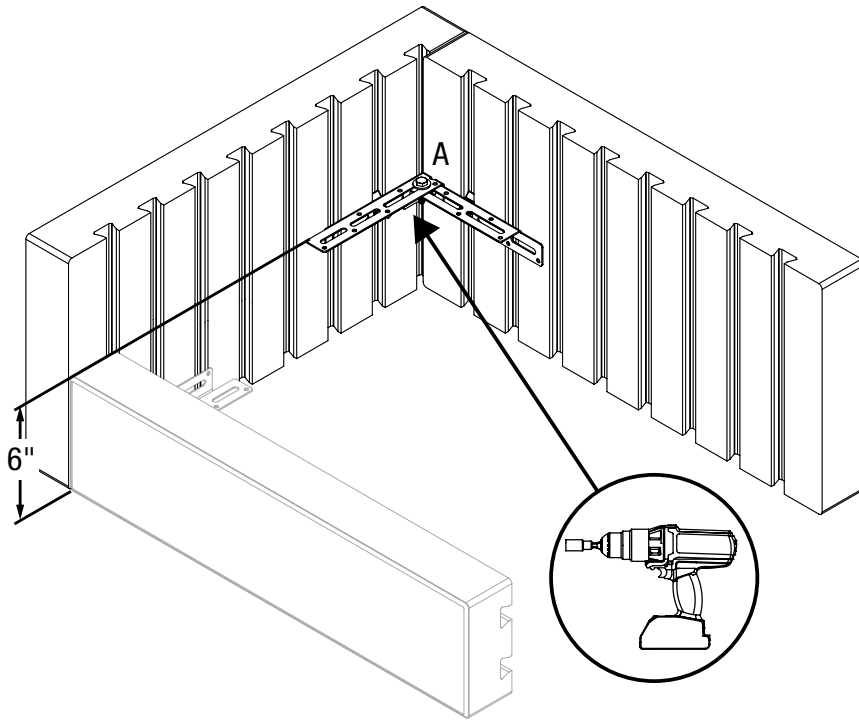
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4

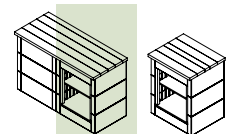
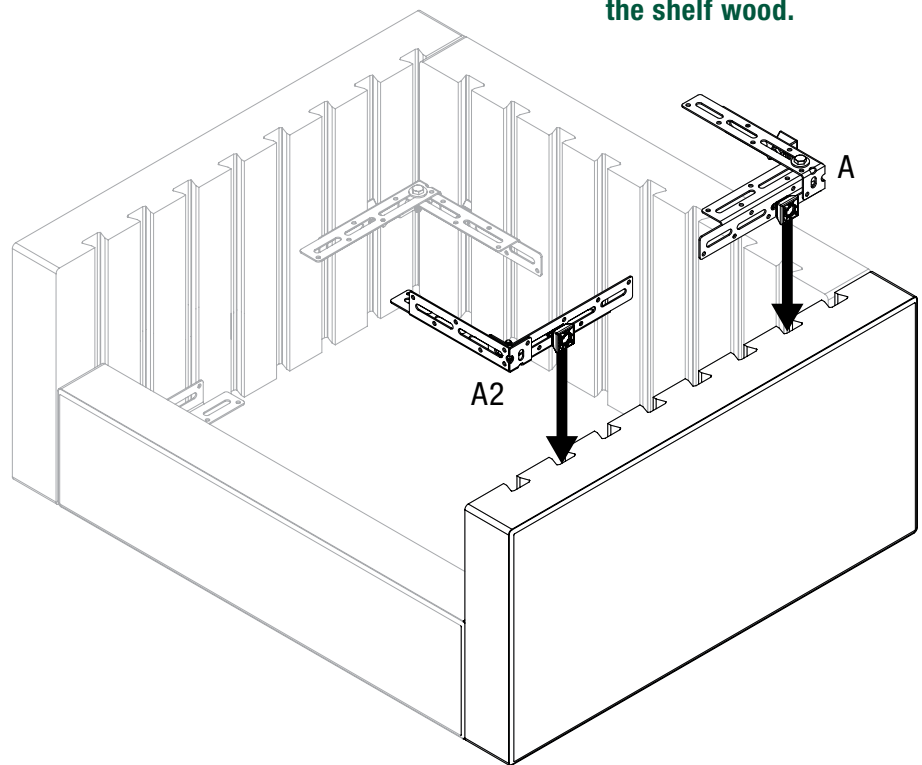


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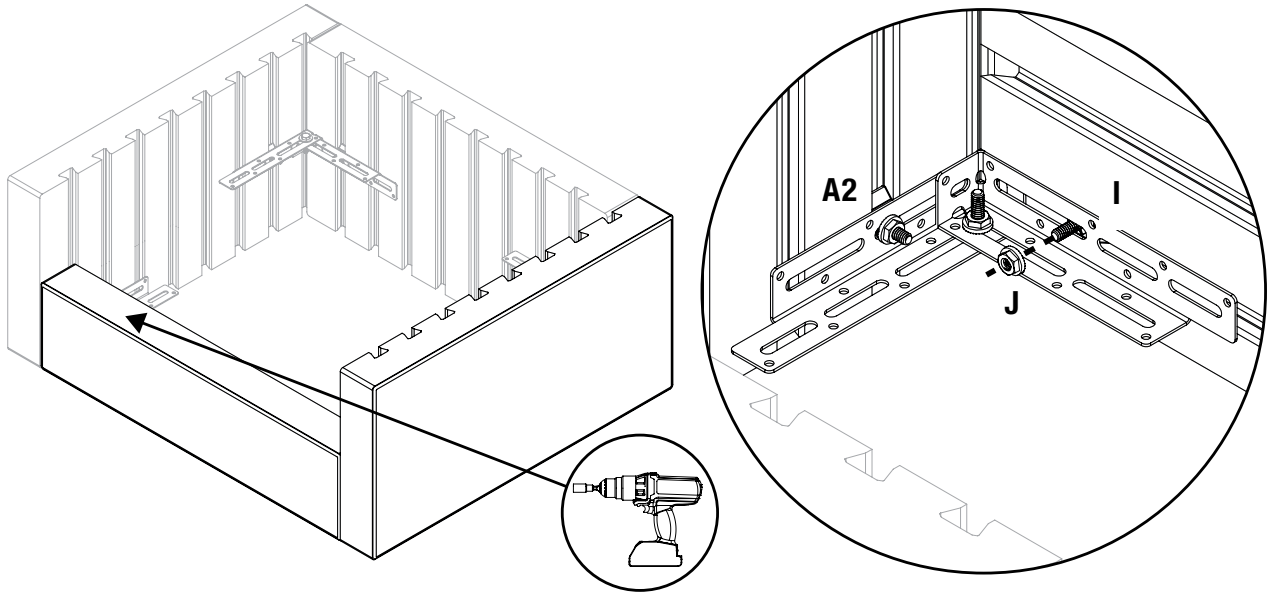


Install BRACKET A flat side up to hold the shelf wood.

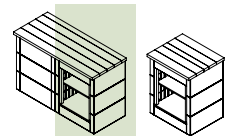
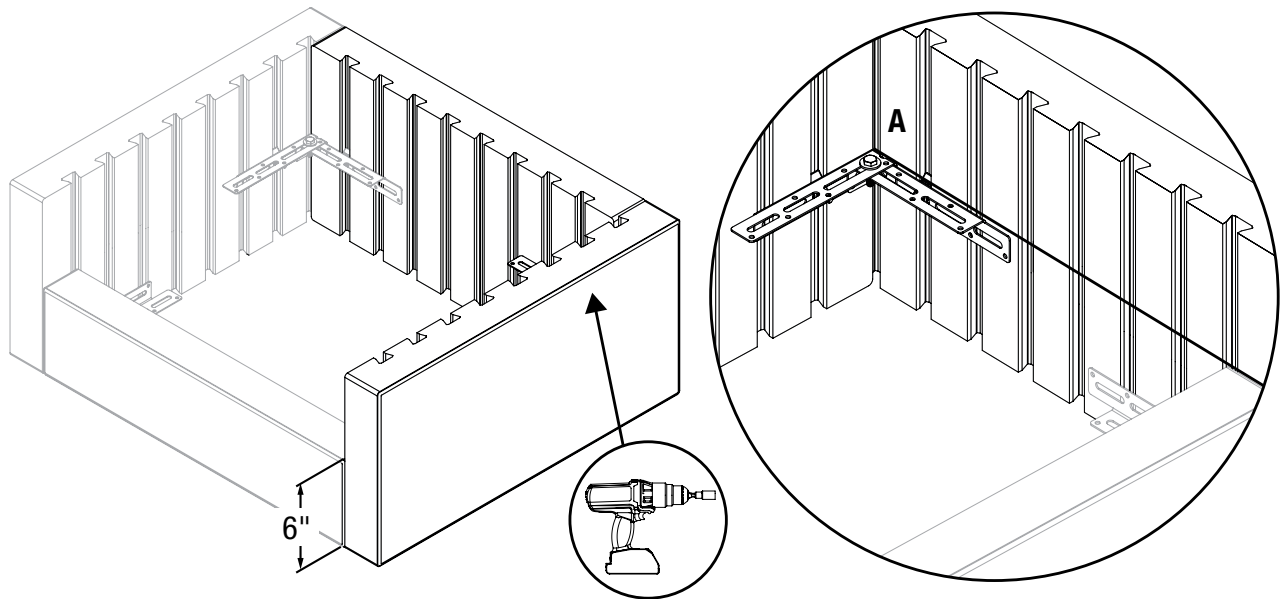
6



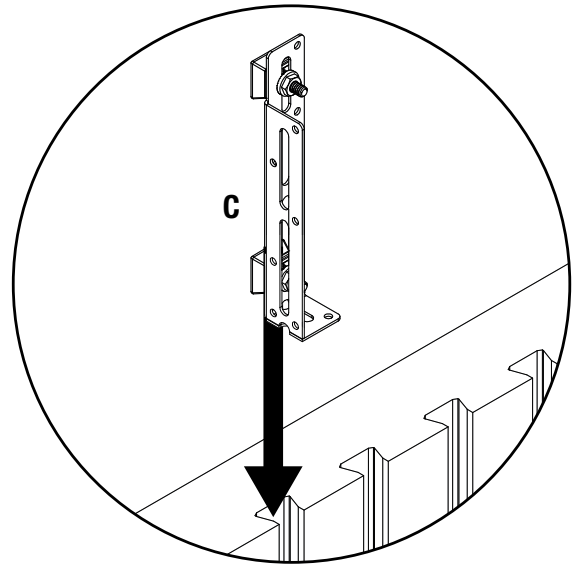
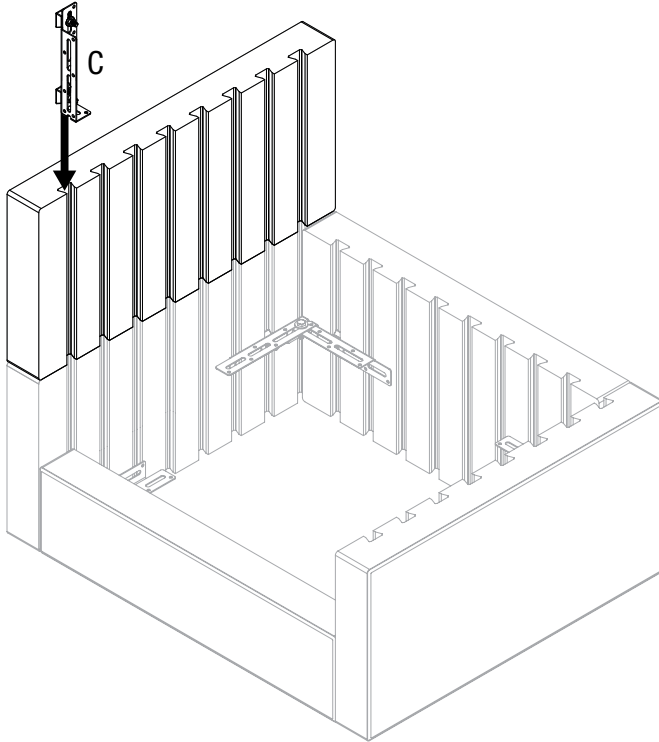
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8

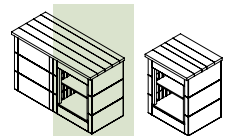
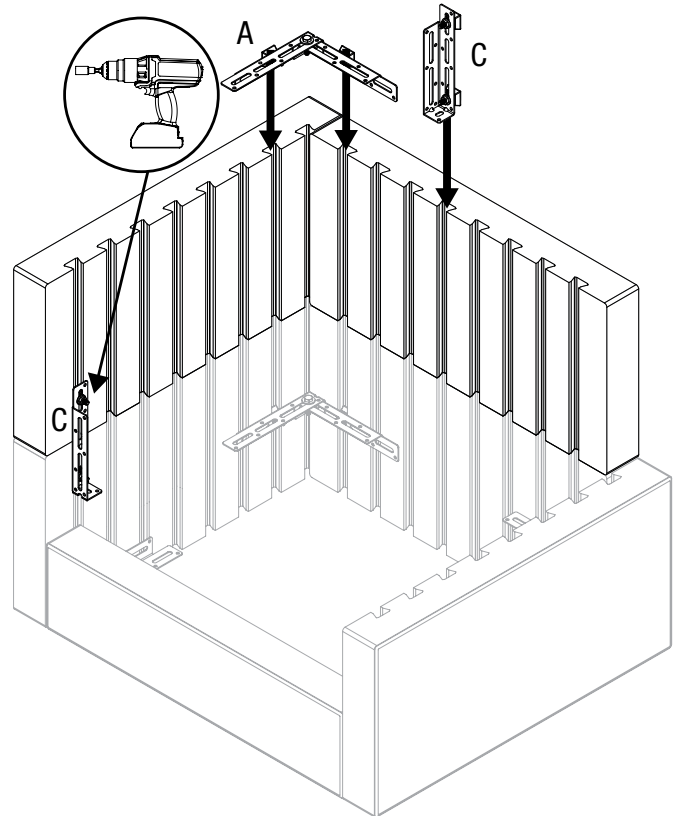


9

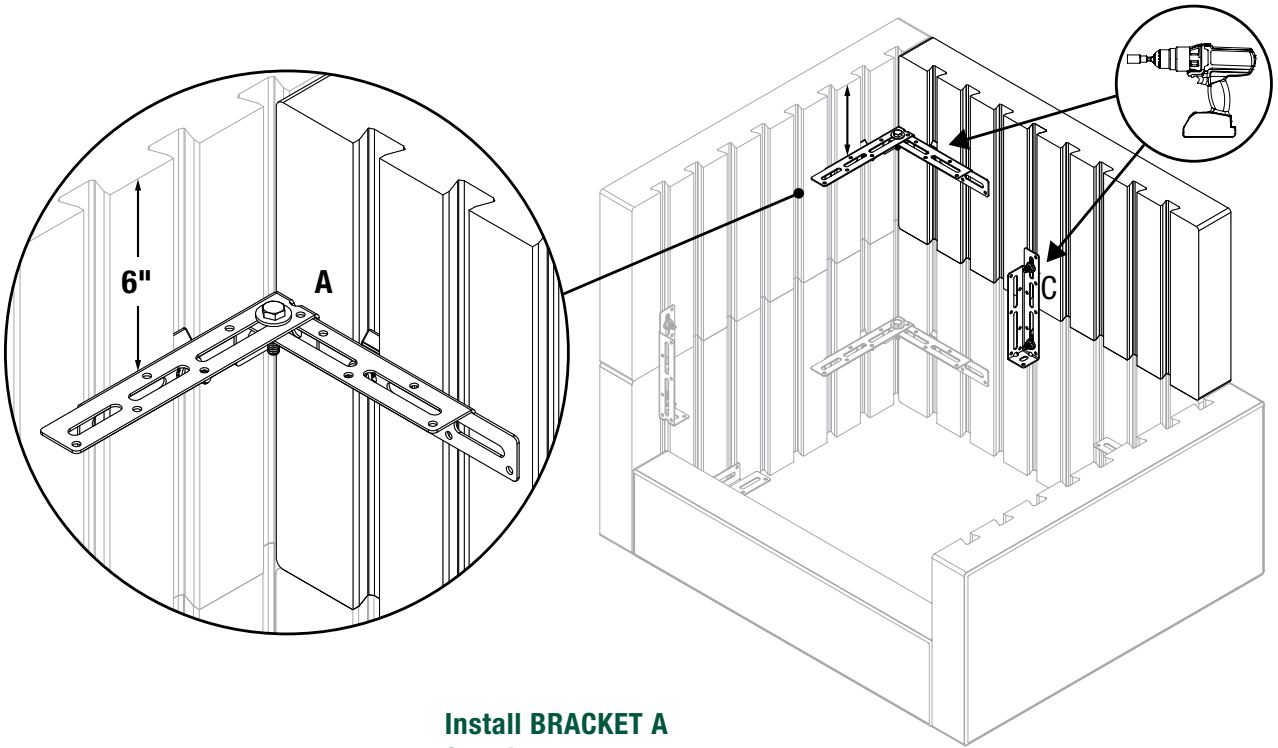


10

Install BRACKET A flat side up to hold the shelf wood.

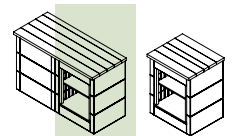
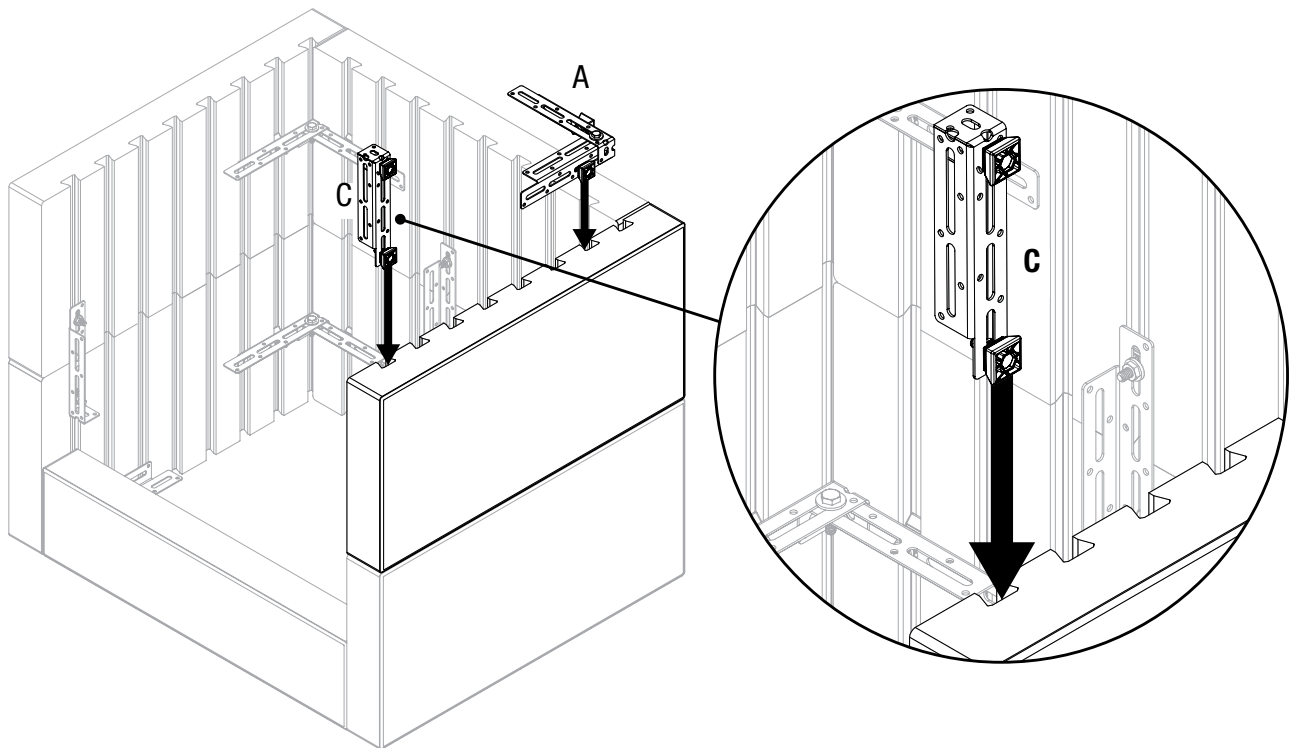


11

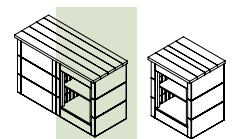
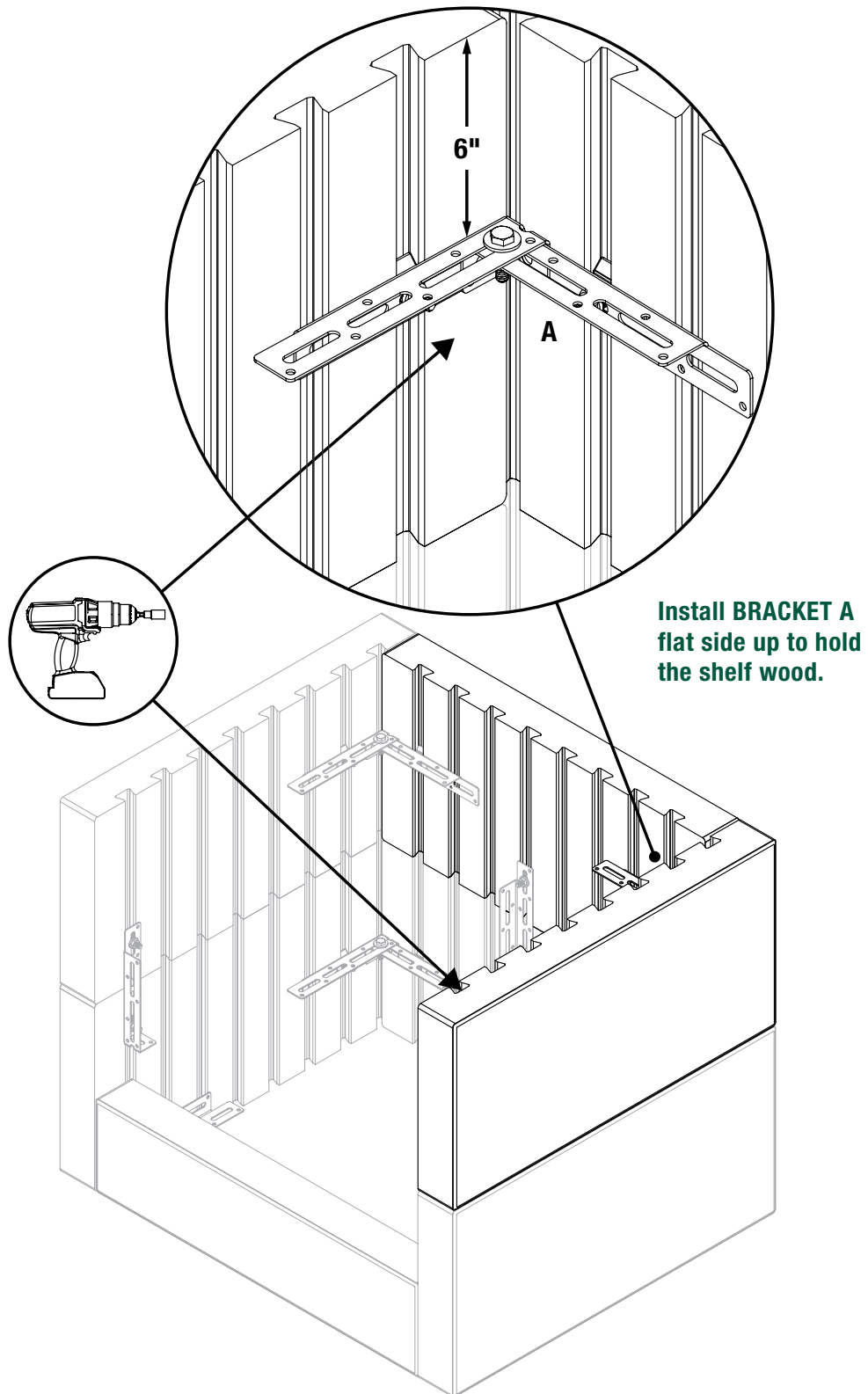


Install BRACKET A  
flat side up to hold  
the shelf wood.

12

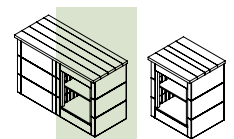
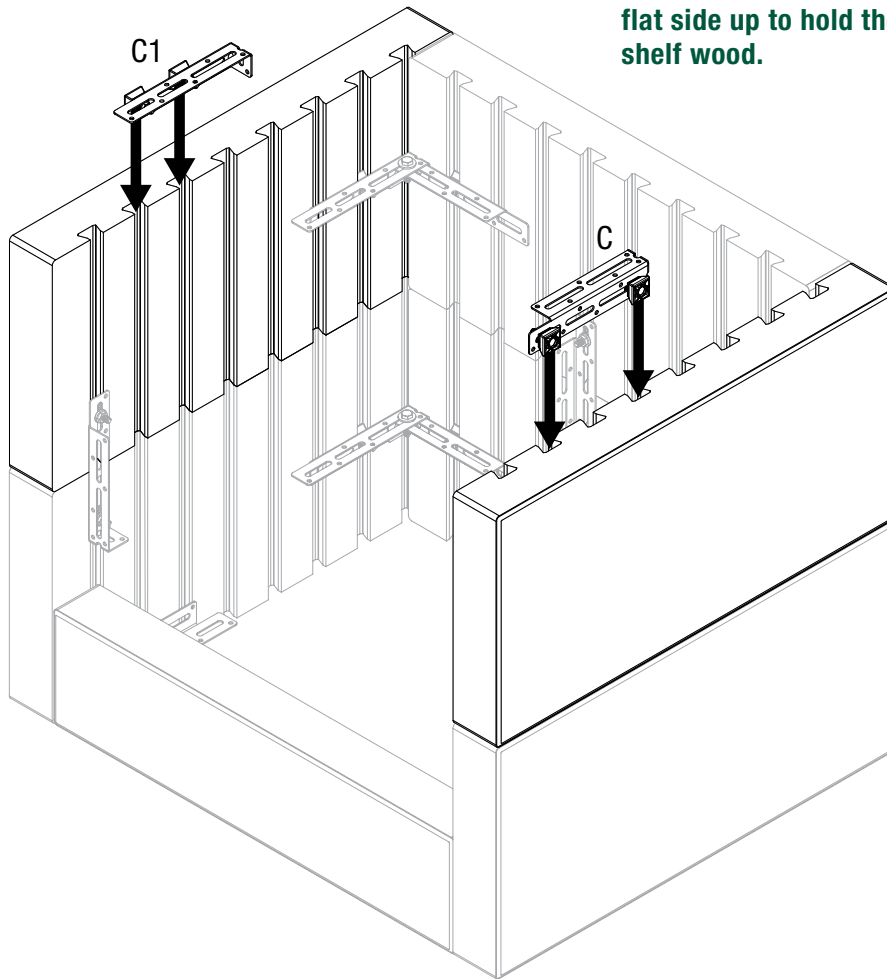


13

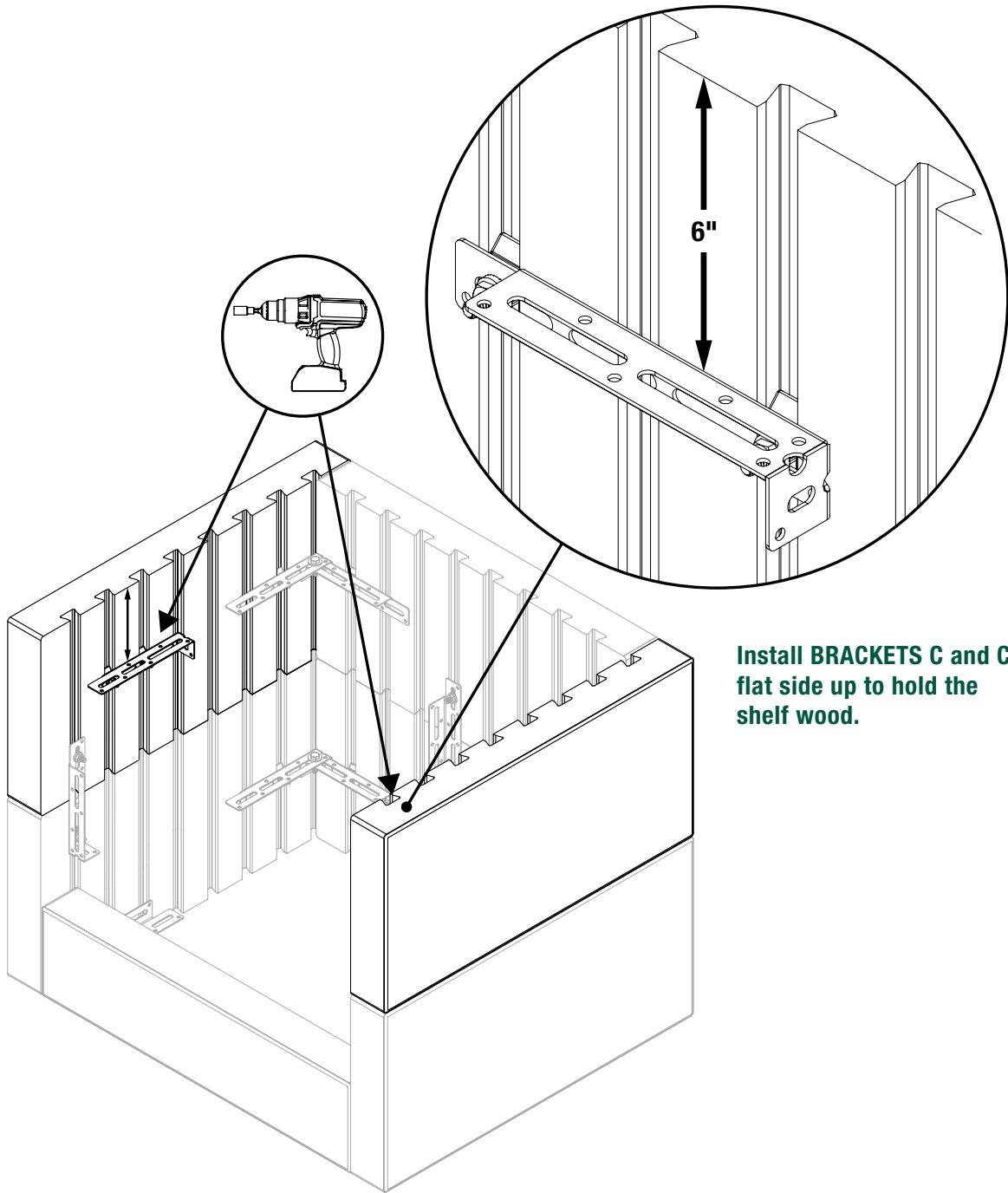


14

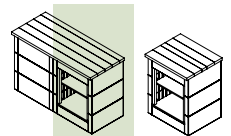
Install BRACKETS C and C1  
flat side up to hold the  
shelf wood.



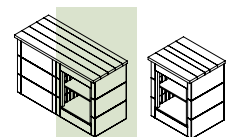
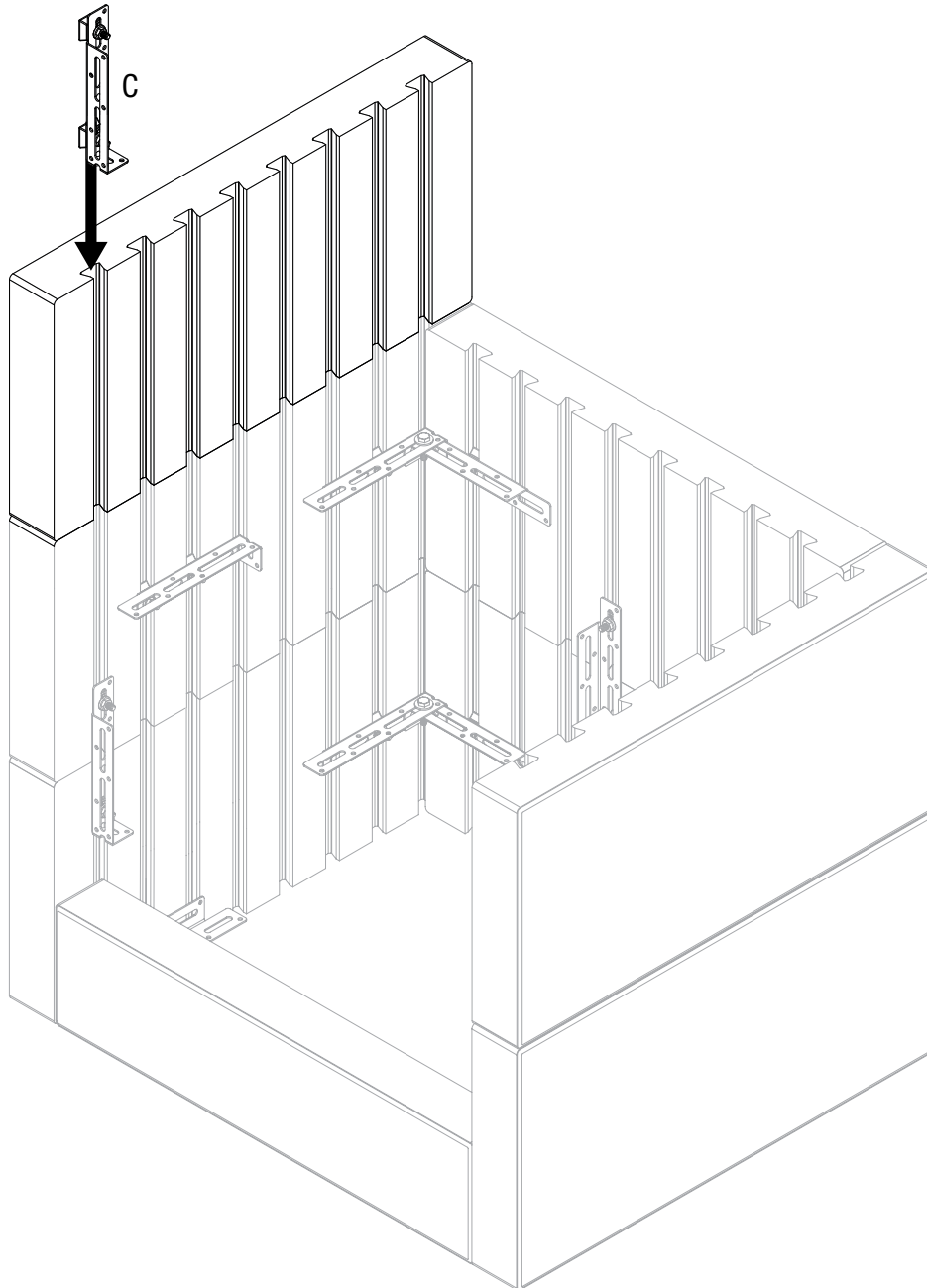
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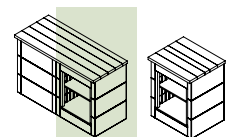
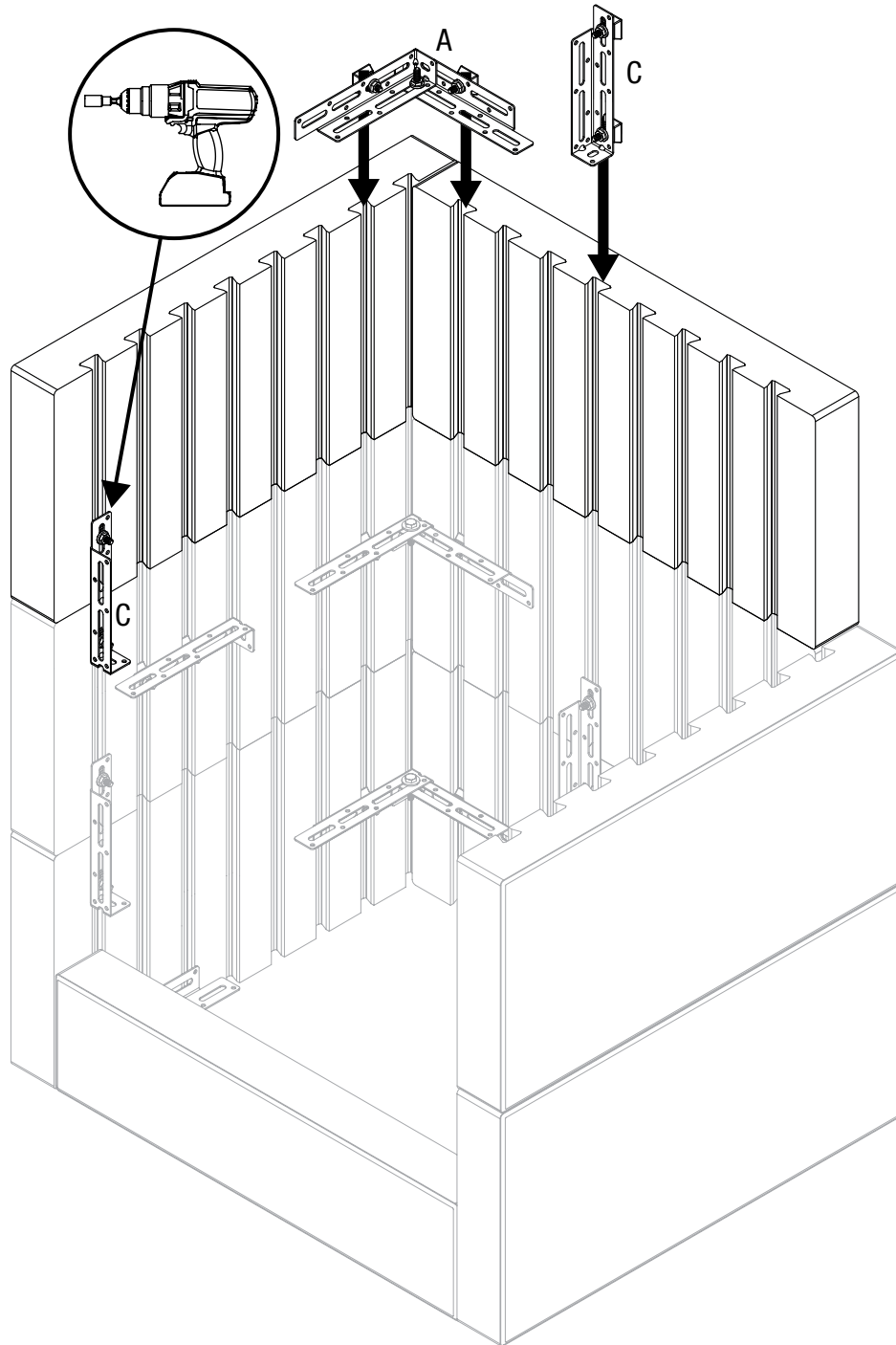
Install BRACKETS C and C1 flat side up to hold the shelf wood.



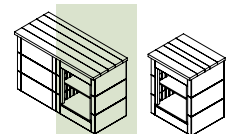
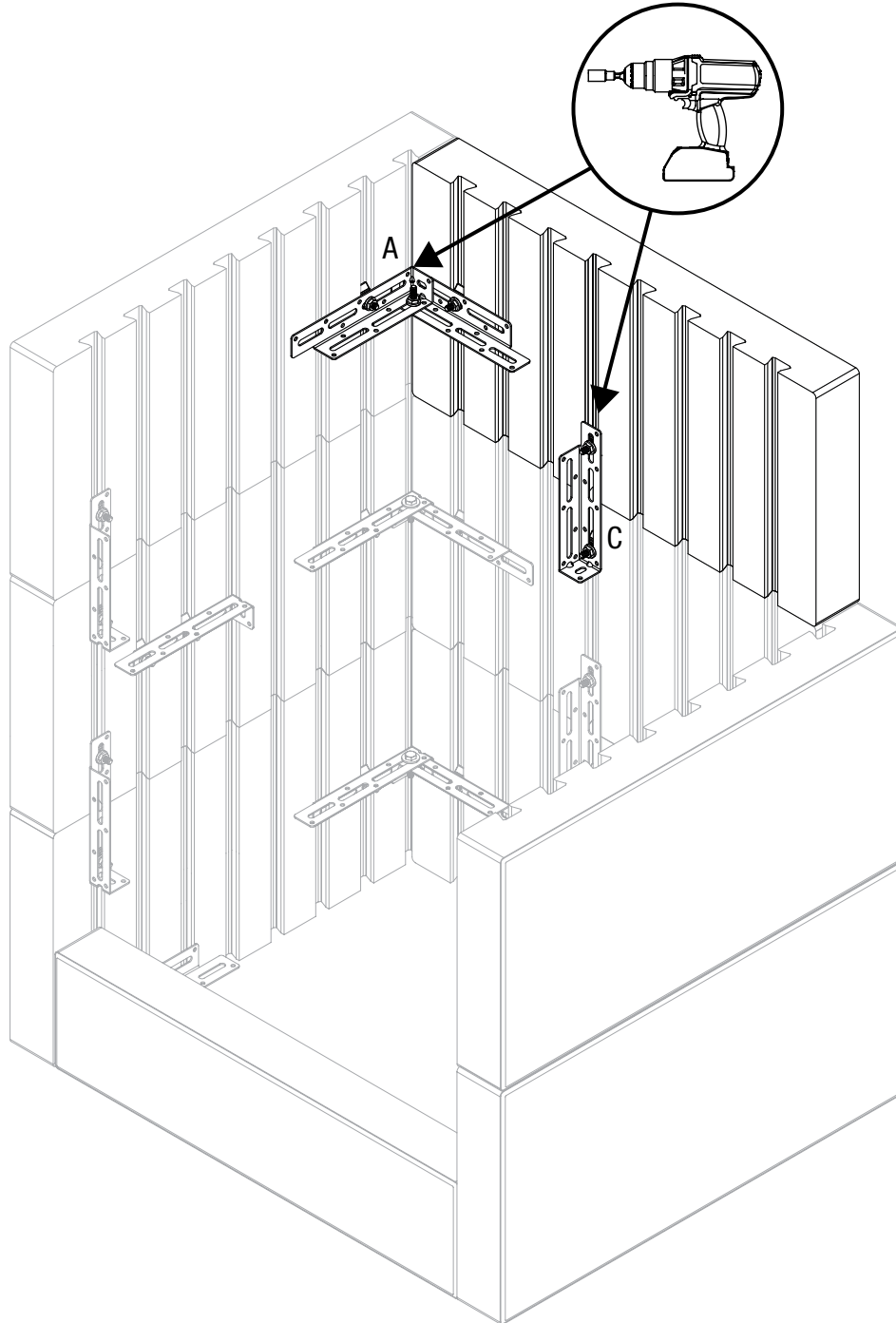
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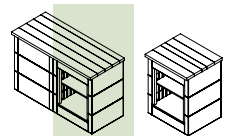
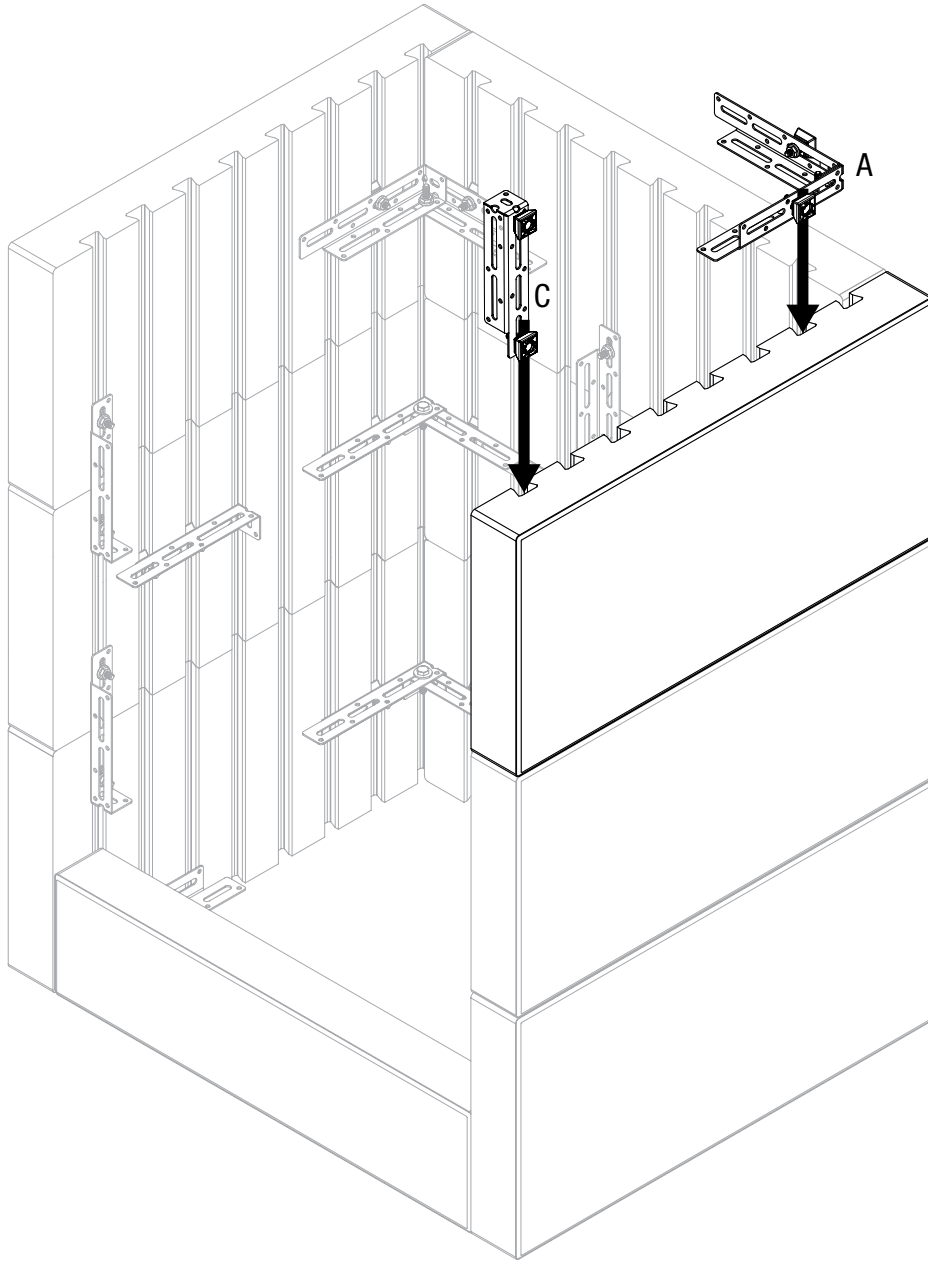
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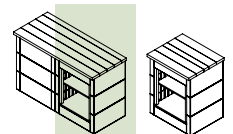
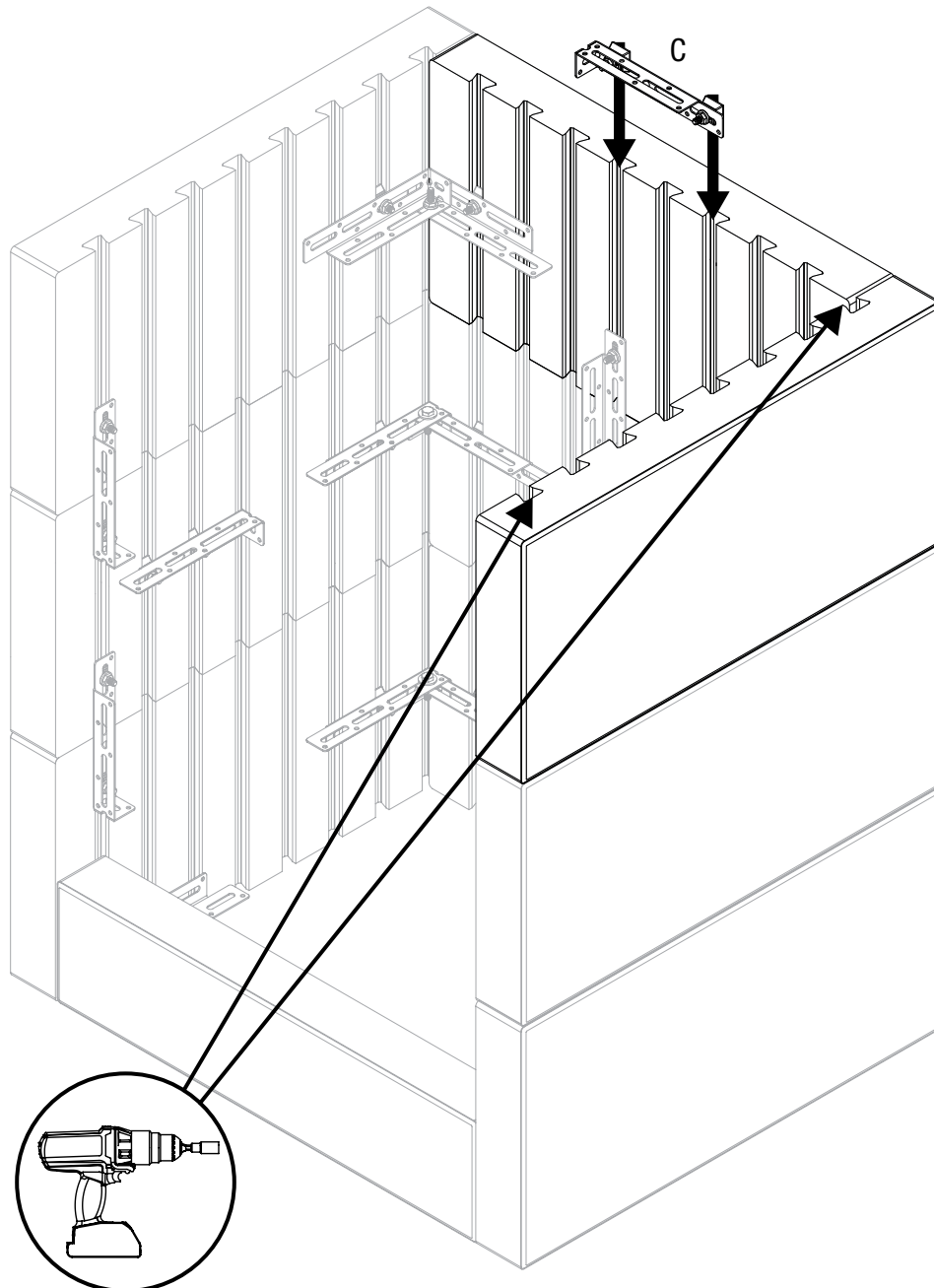
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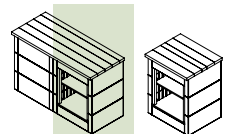
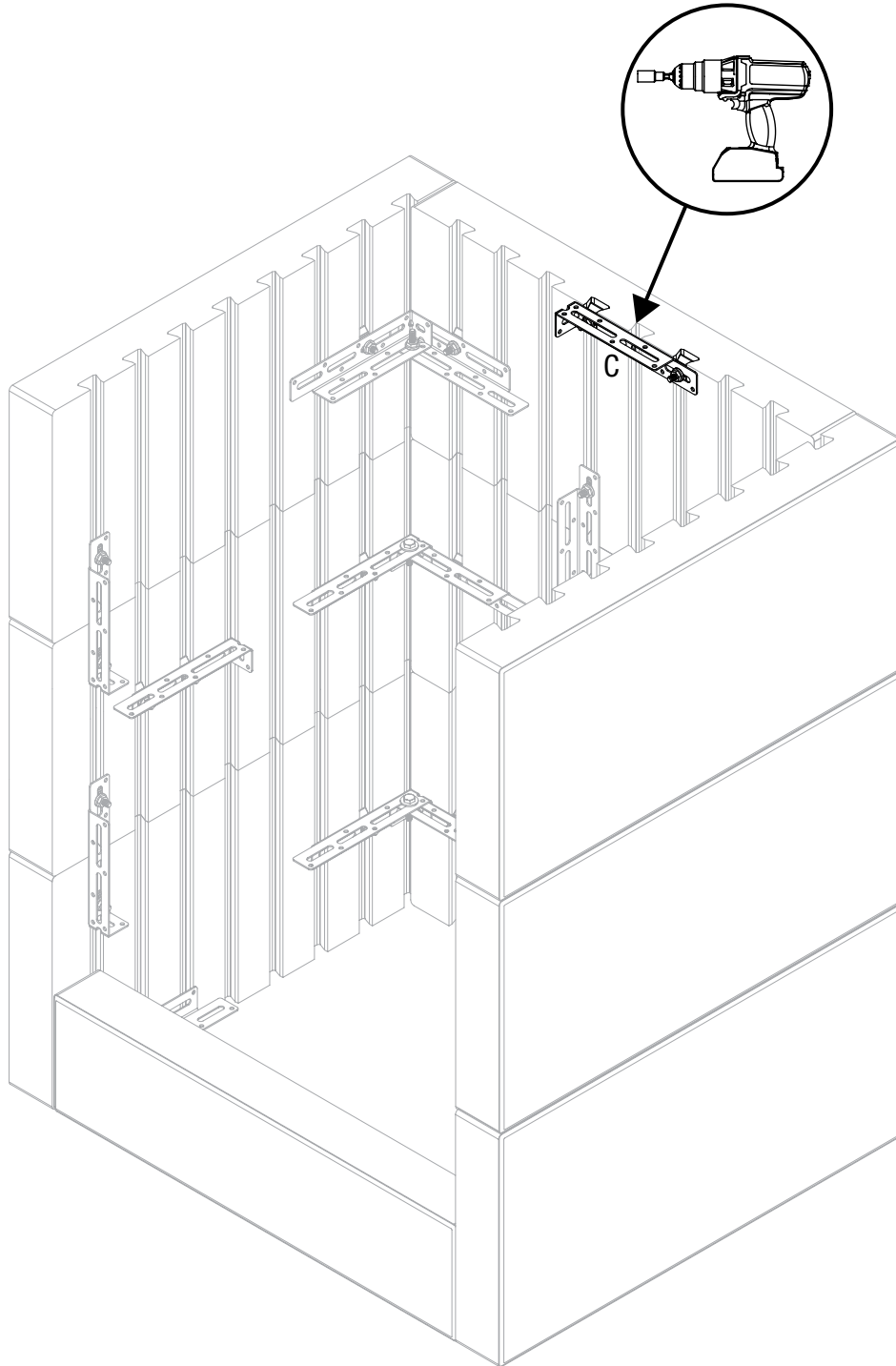
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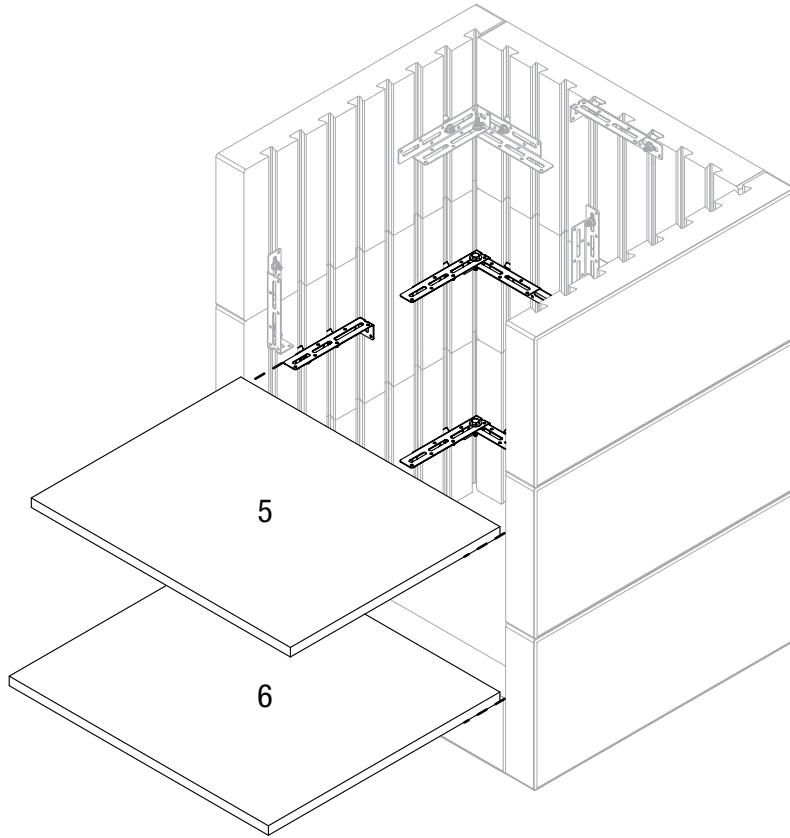
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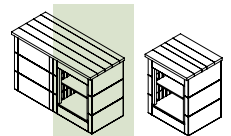
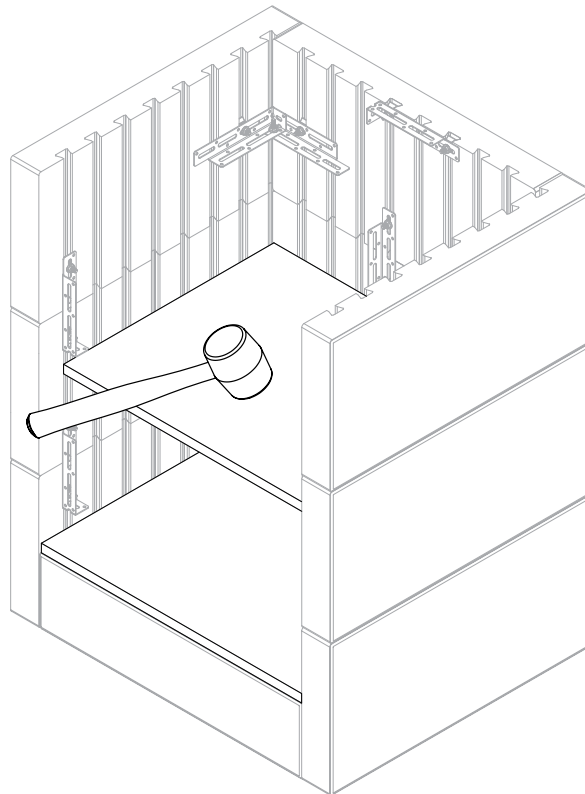
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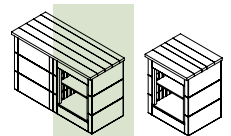
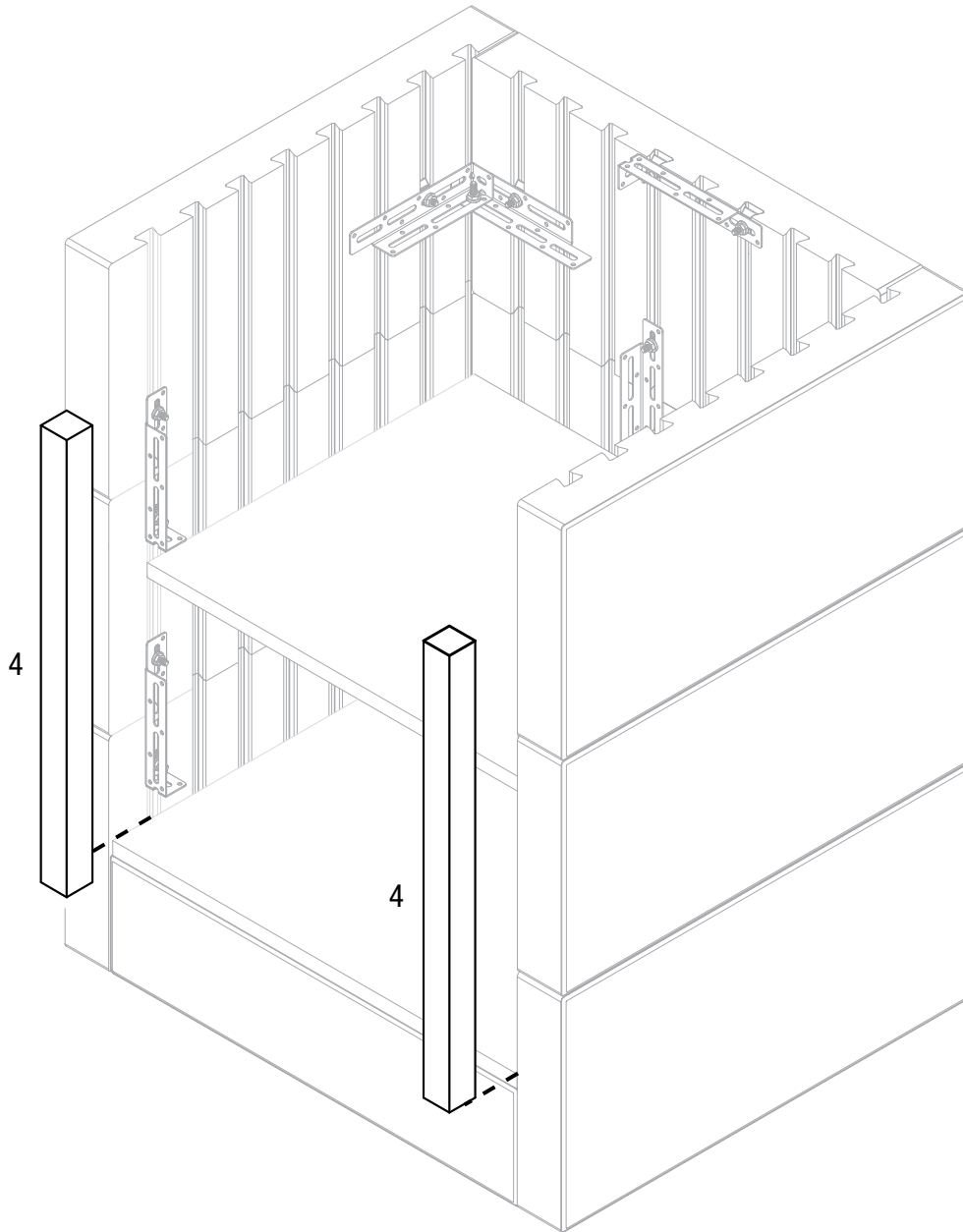
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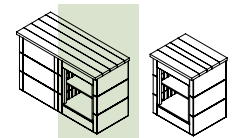
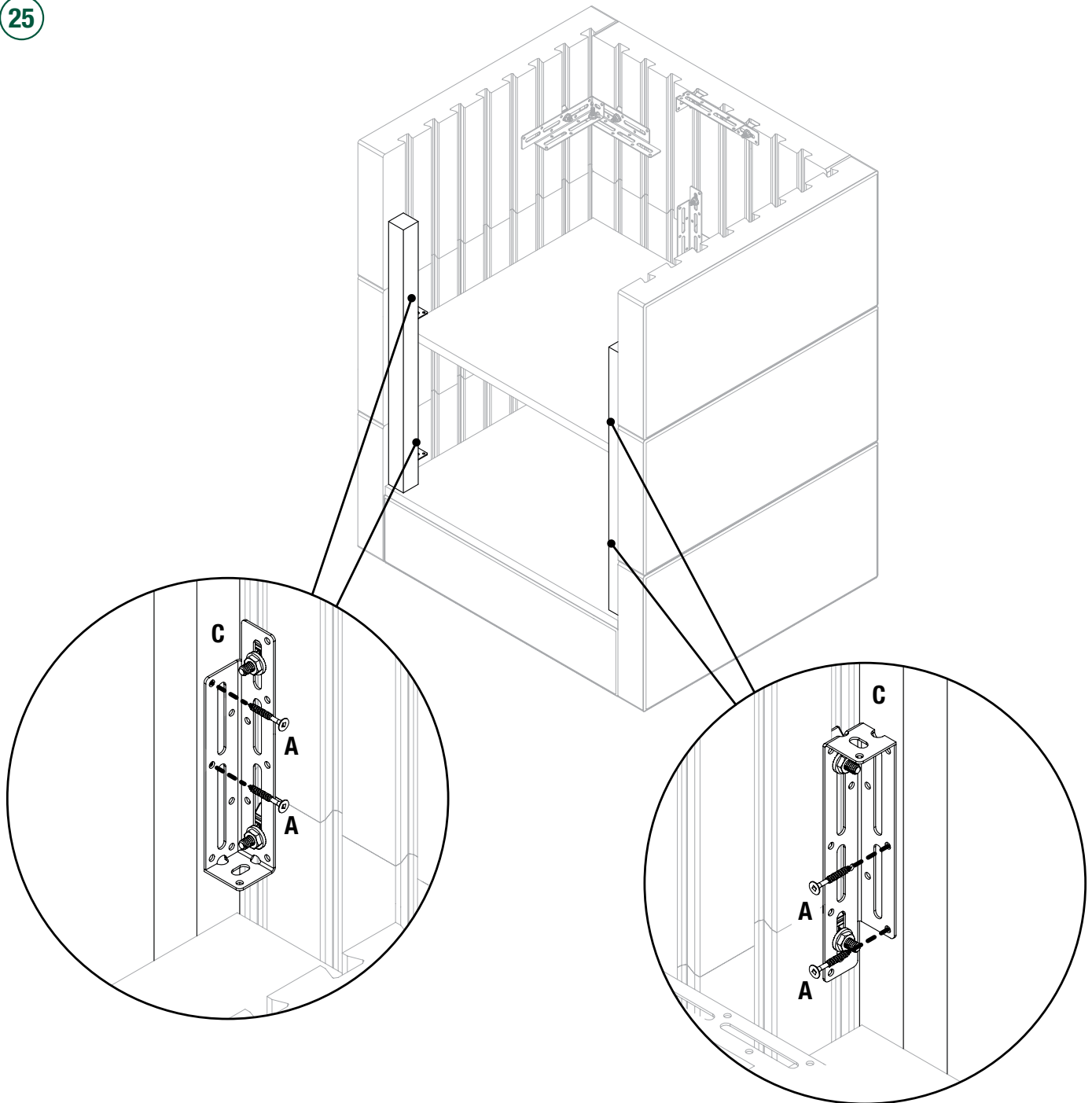
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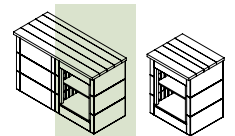
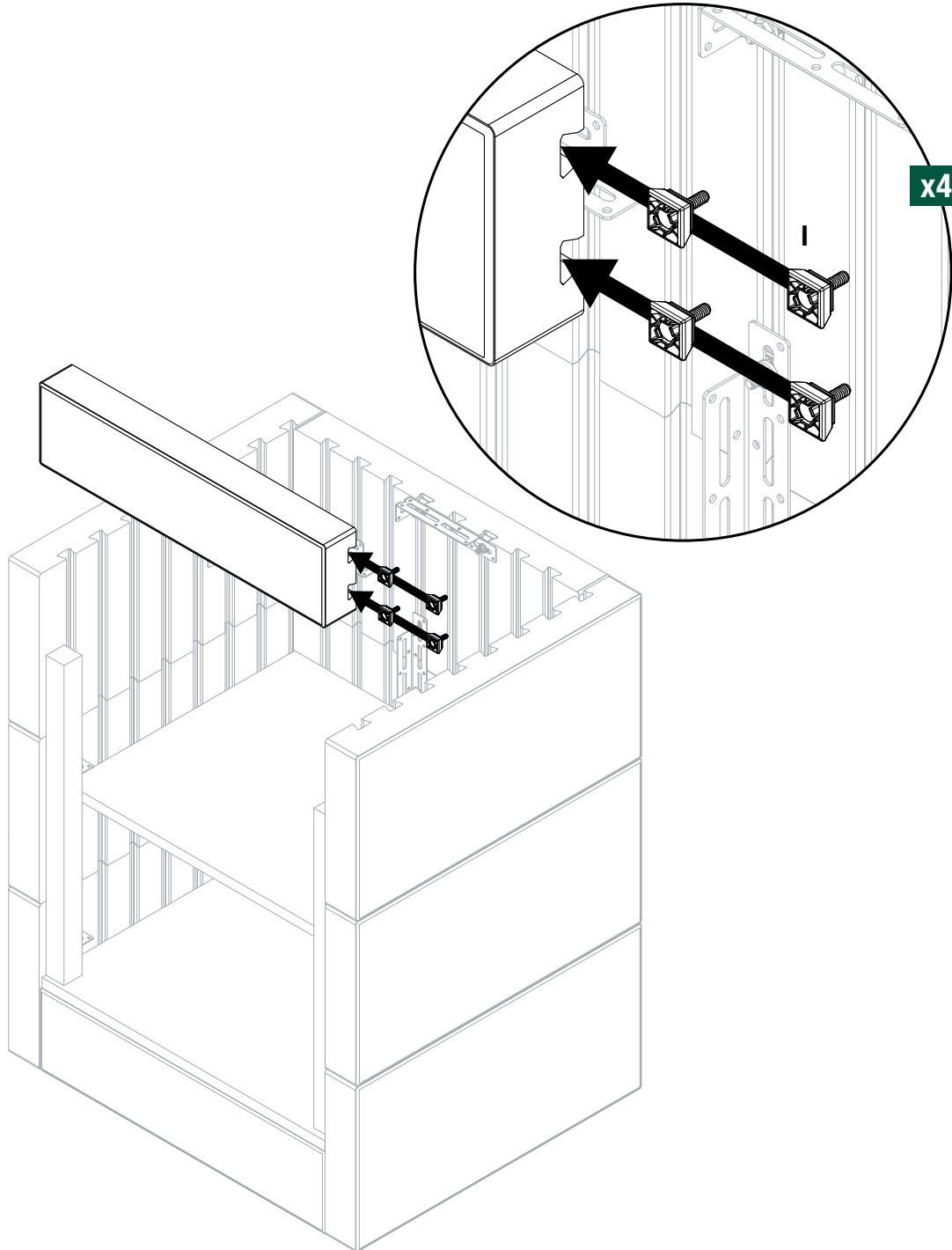
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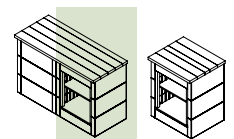
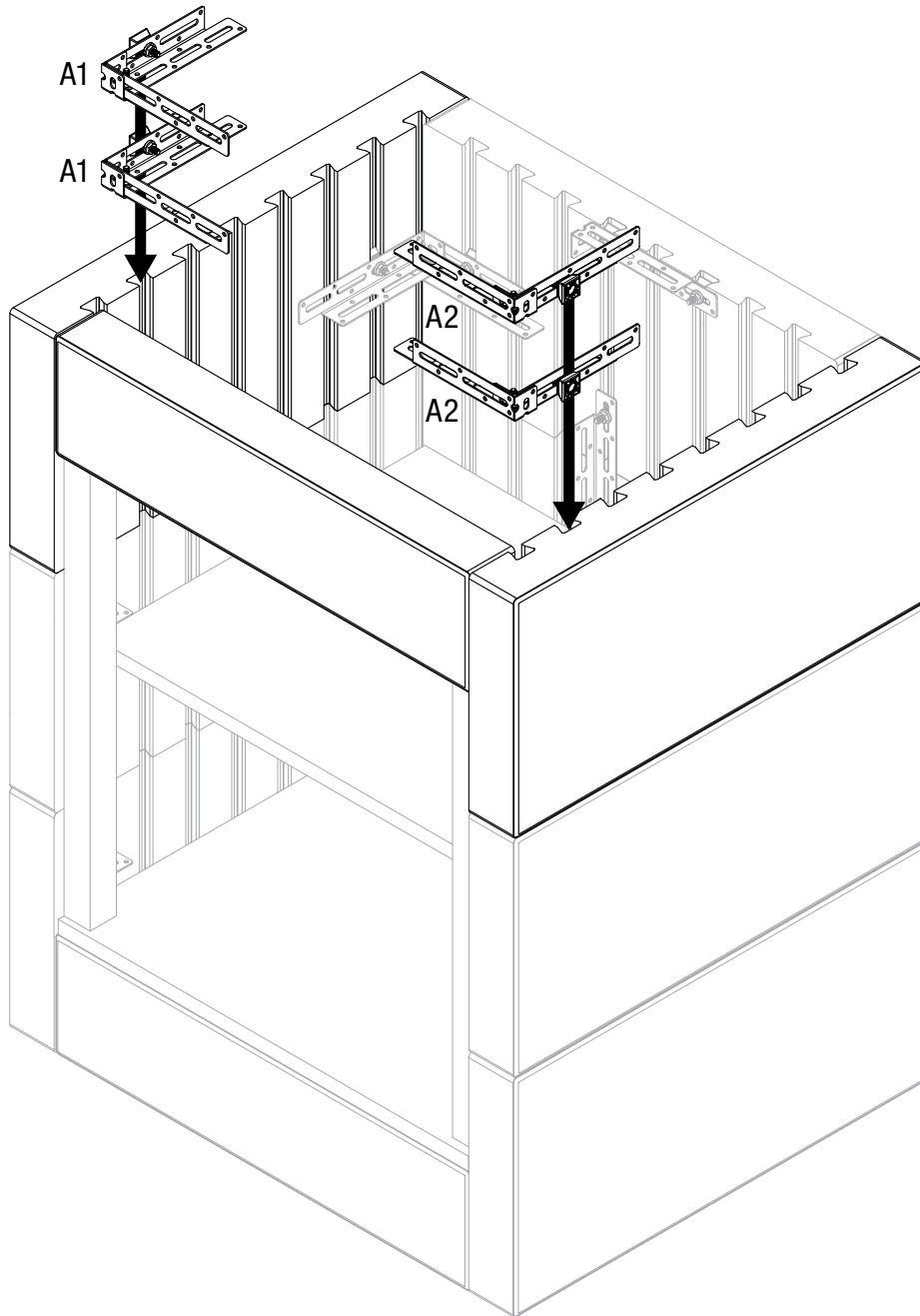
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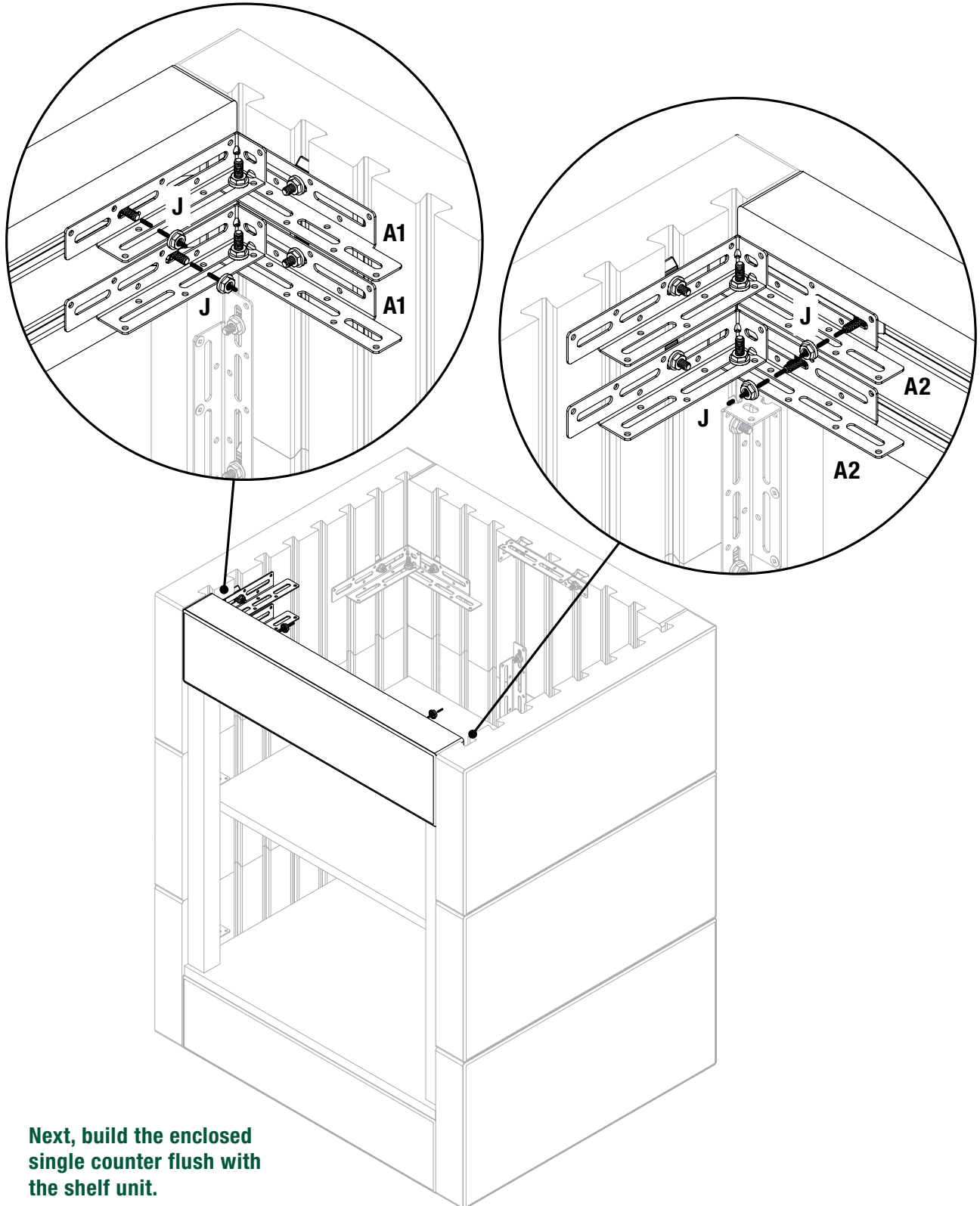
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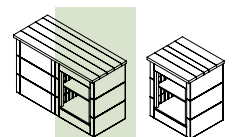
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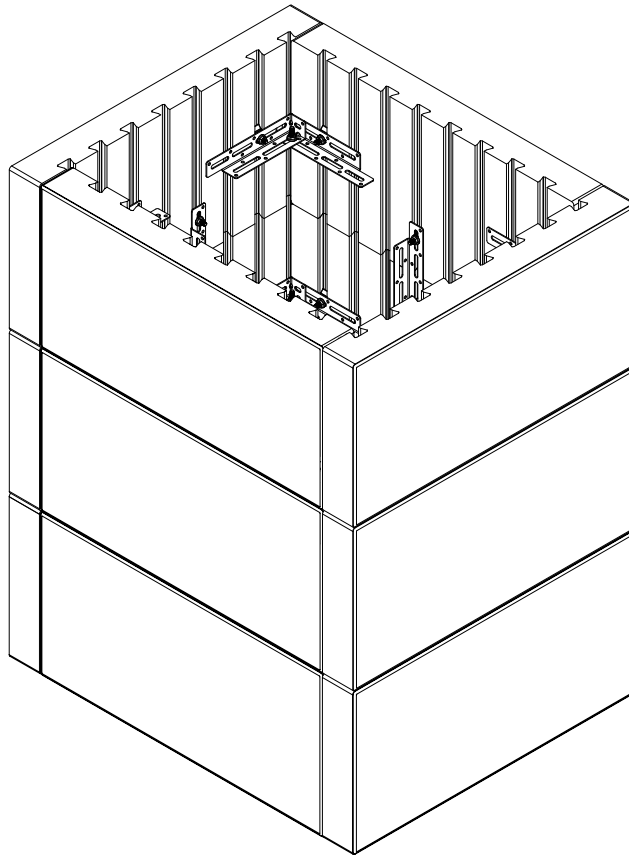


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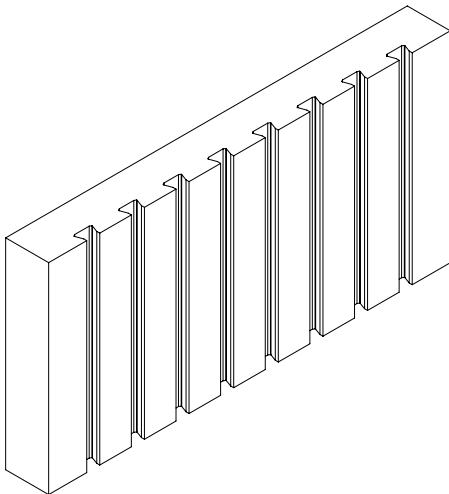
Next, build the enclosed single counter flush with the shelf unit.



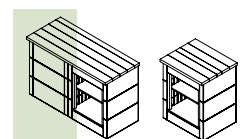
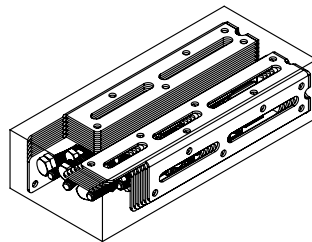


## COMPONENTS

Large Panel (x12)  
12" x 24"

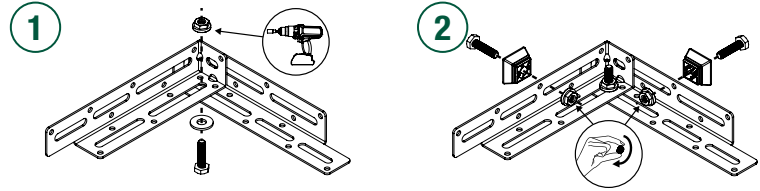
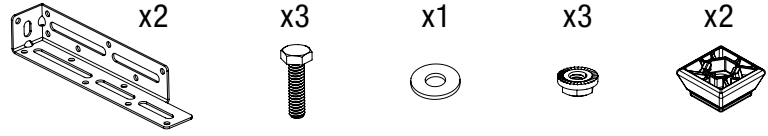
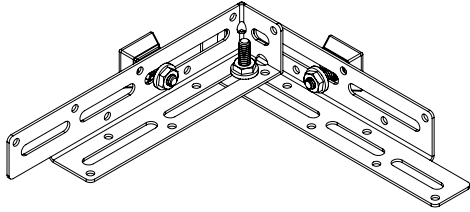


Hardware Kit (x3)



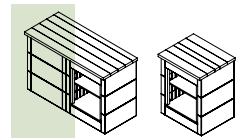
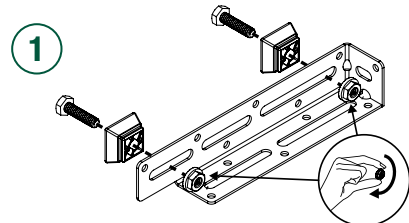
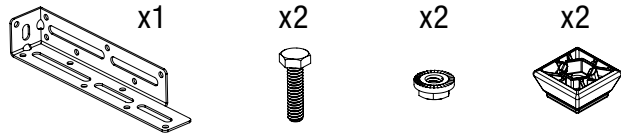
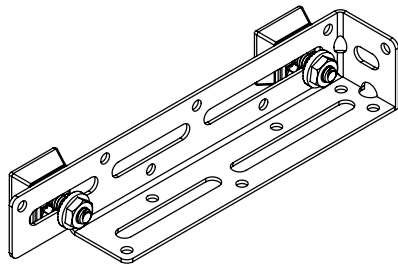
**BRACKET A**

**x12**

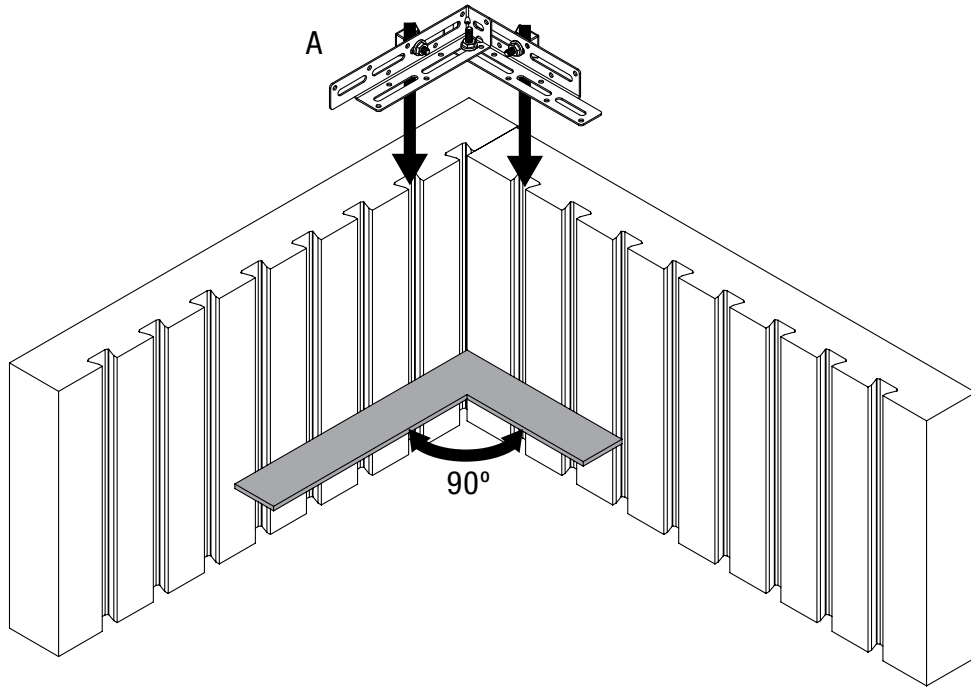


**BRACKET C**

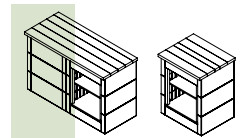
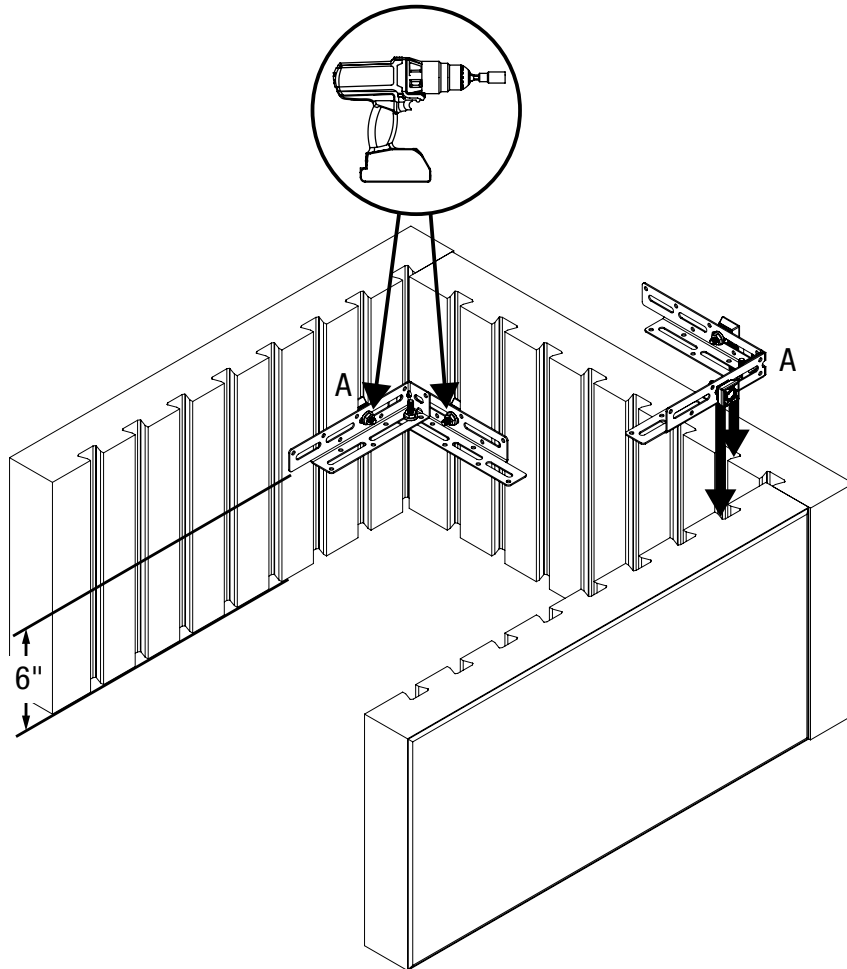
**x8**



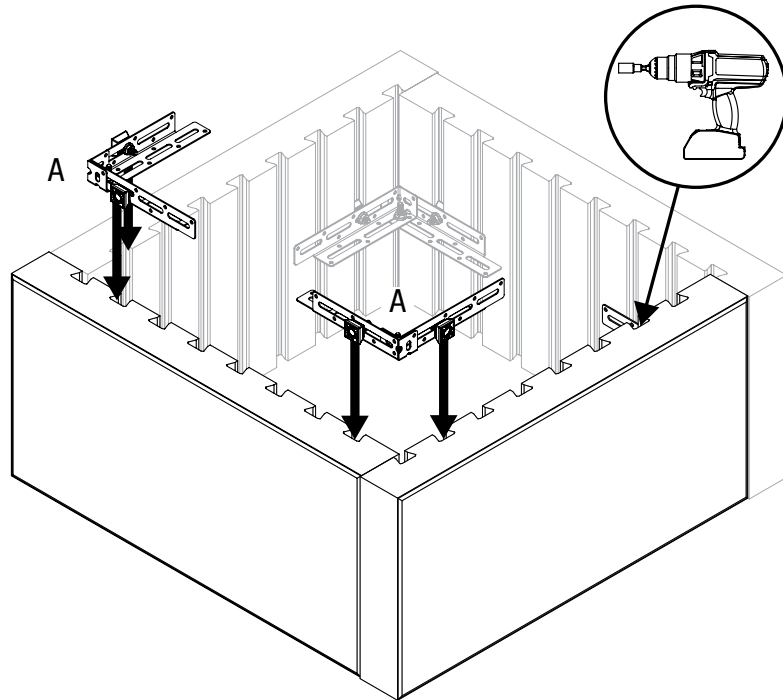
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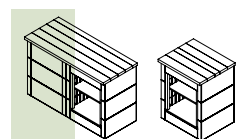
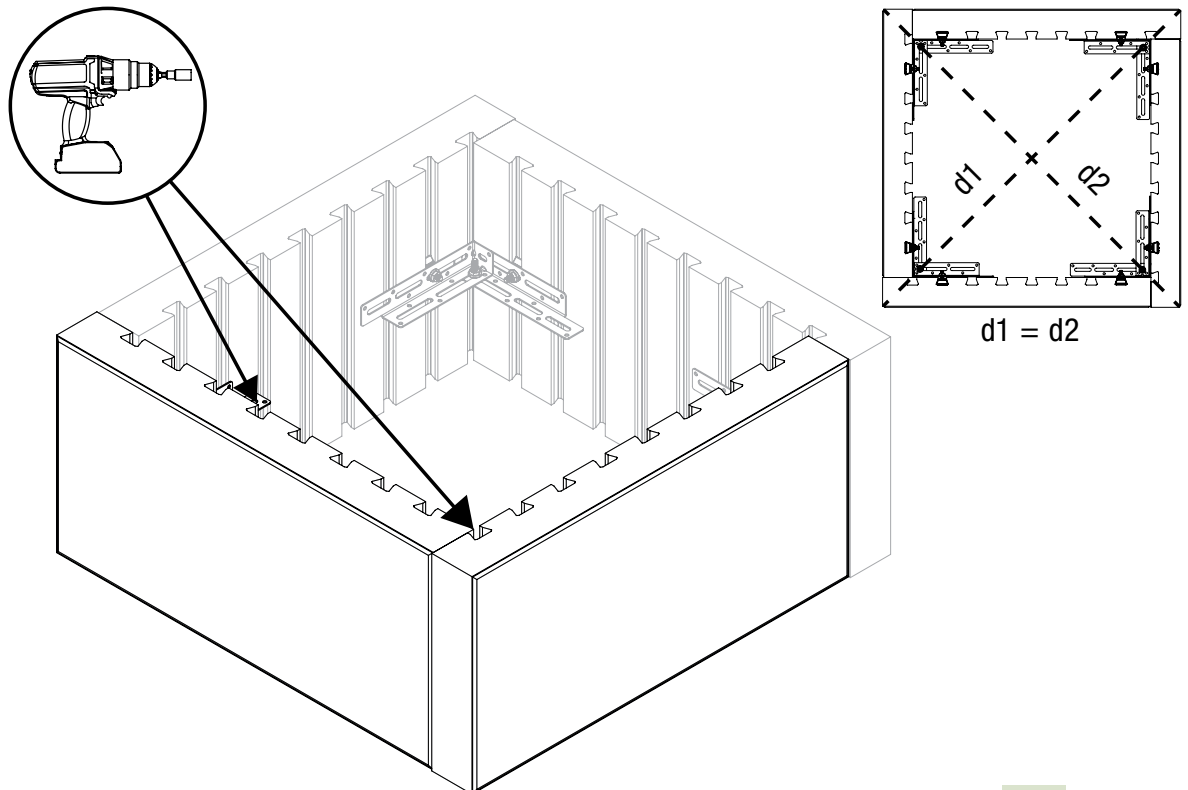
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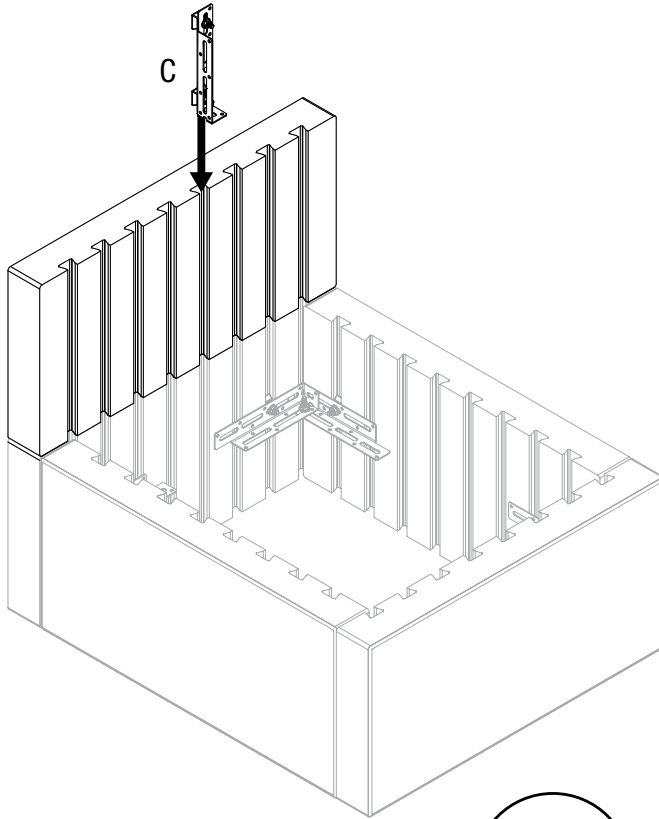
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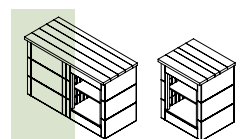
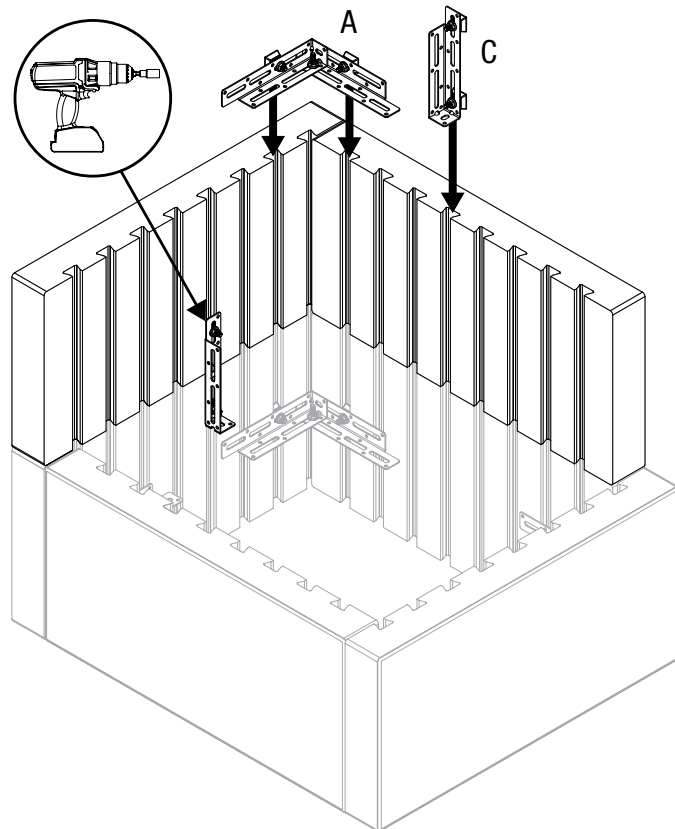
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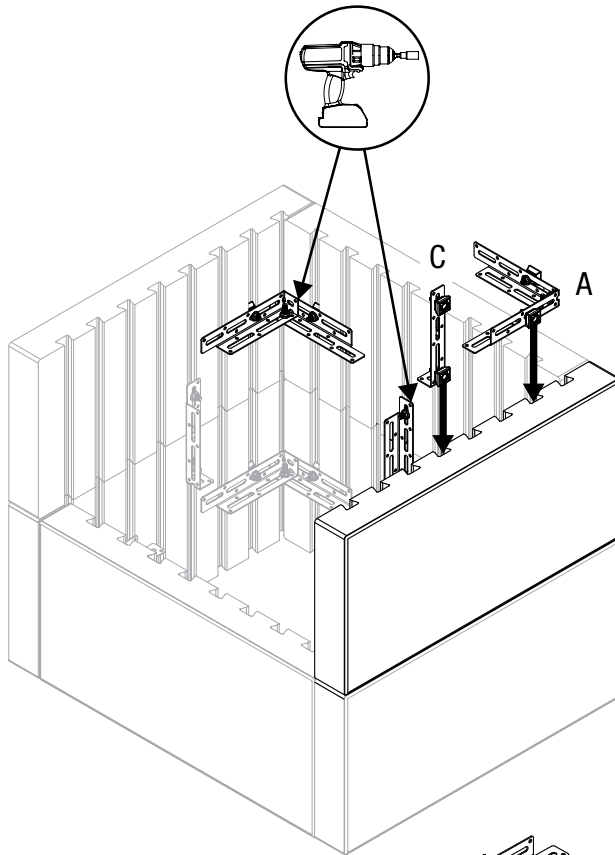
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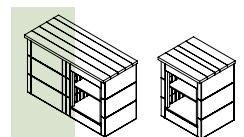
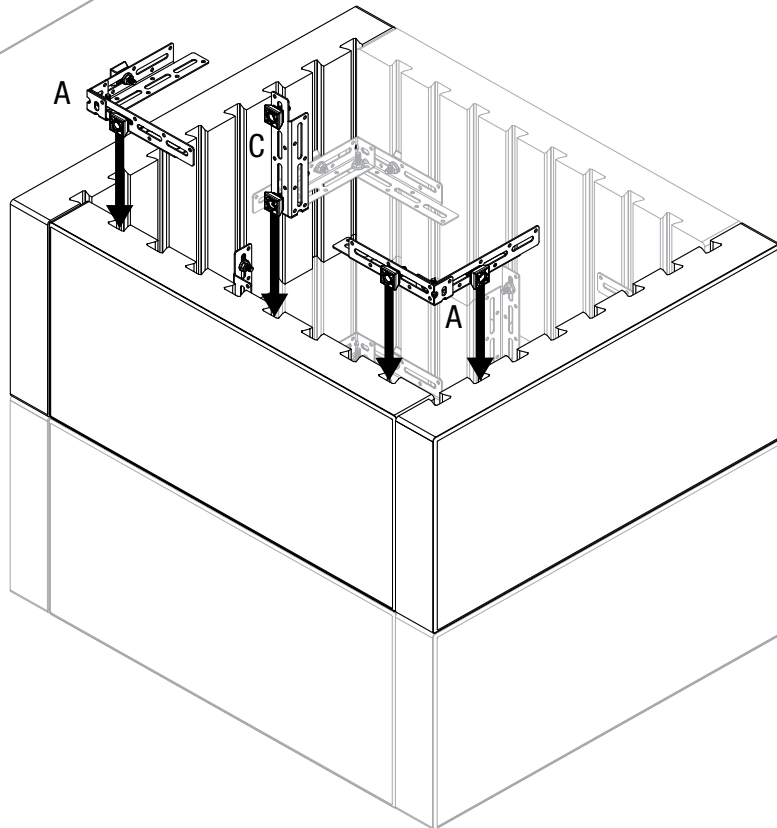
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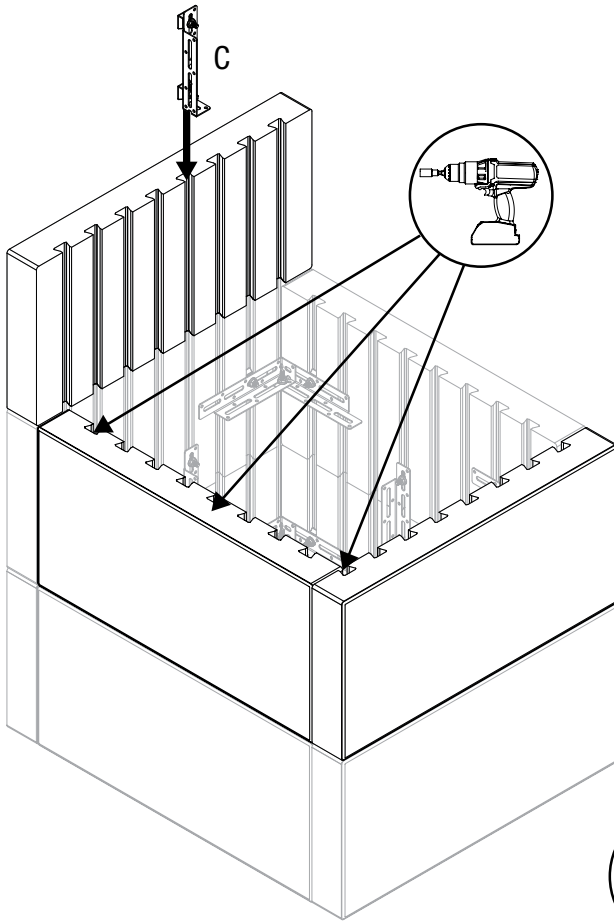
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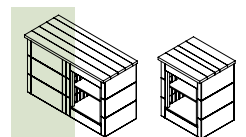
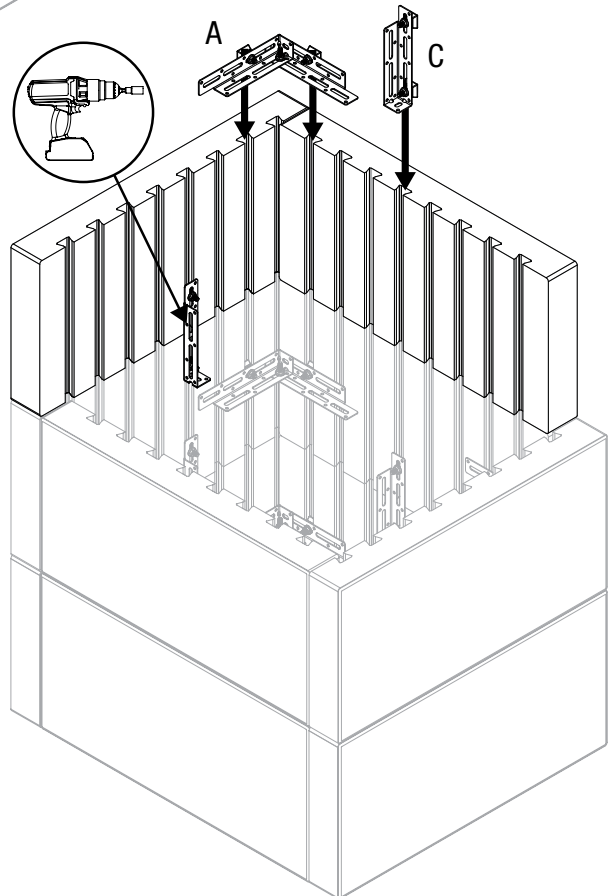
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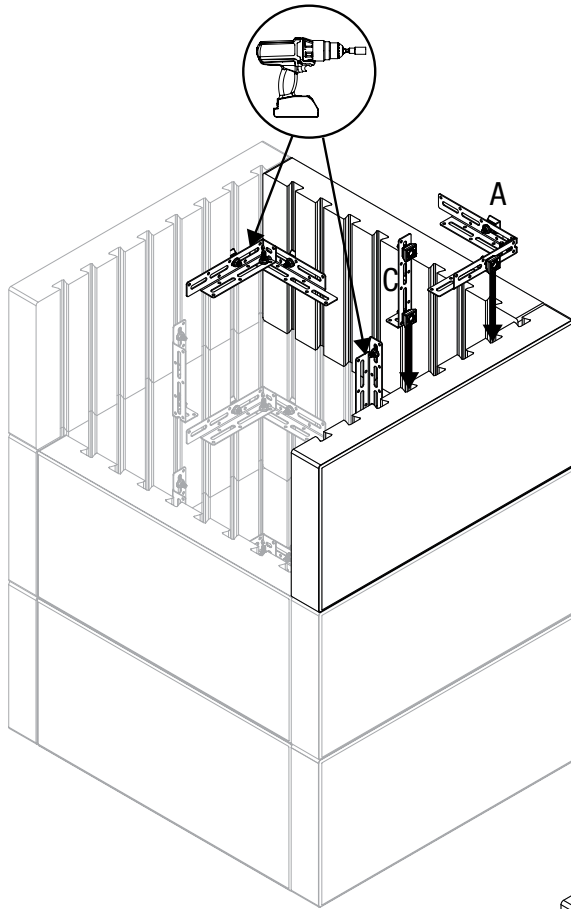
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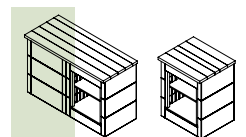
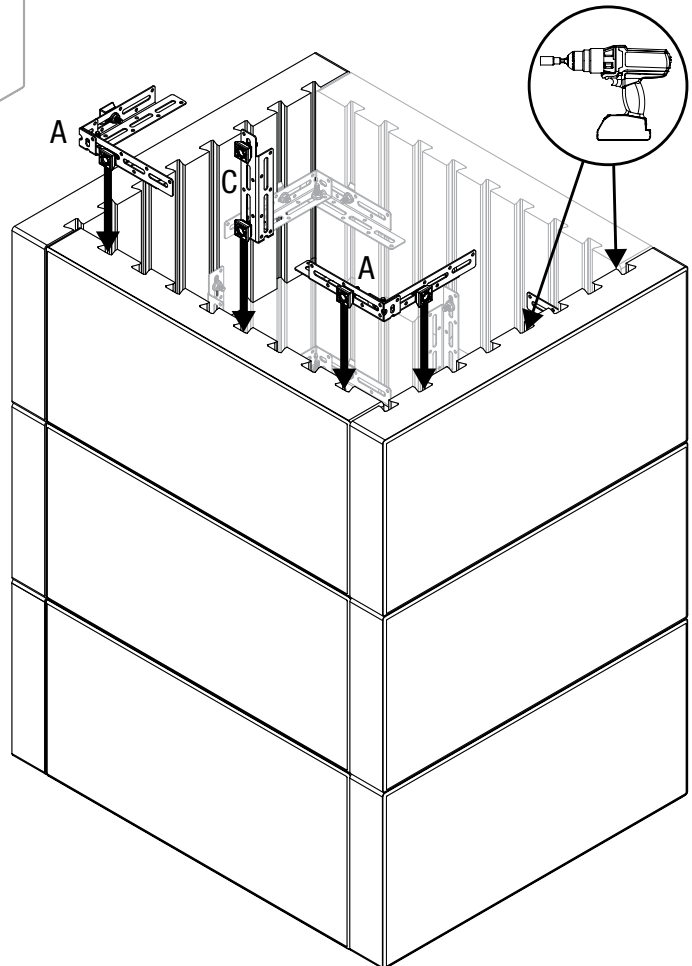
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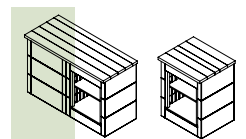
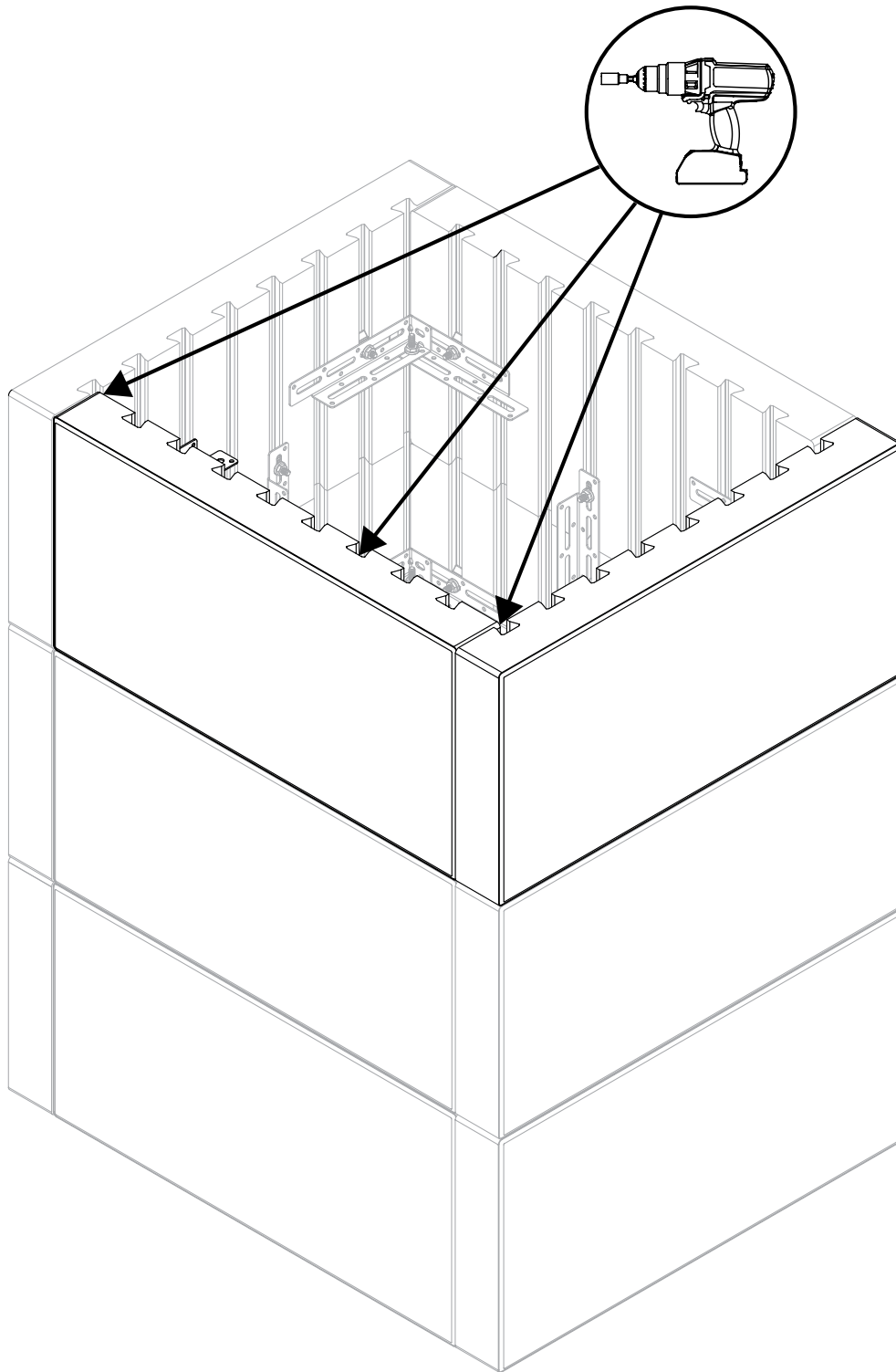
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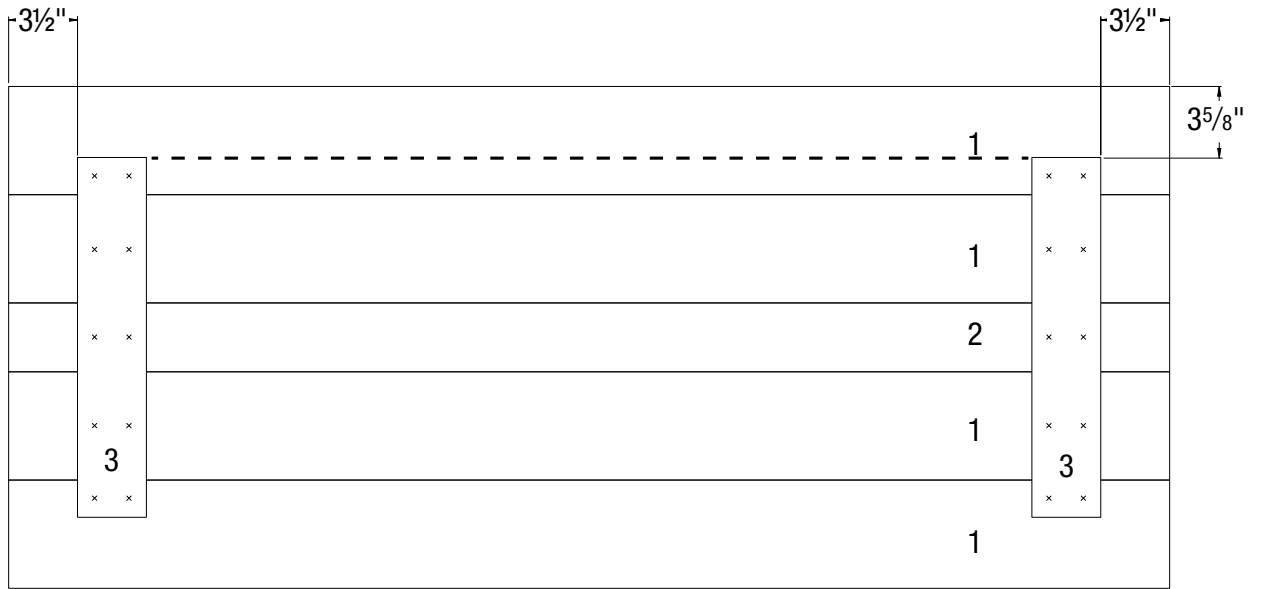
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13

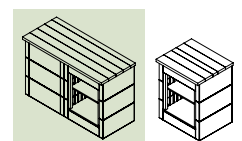
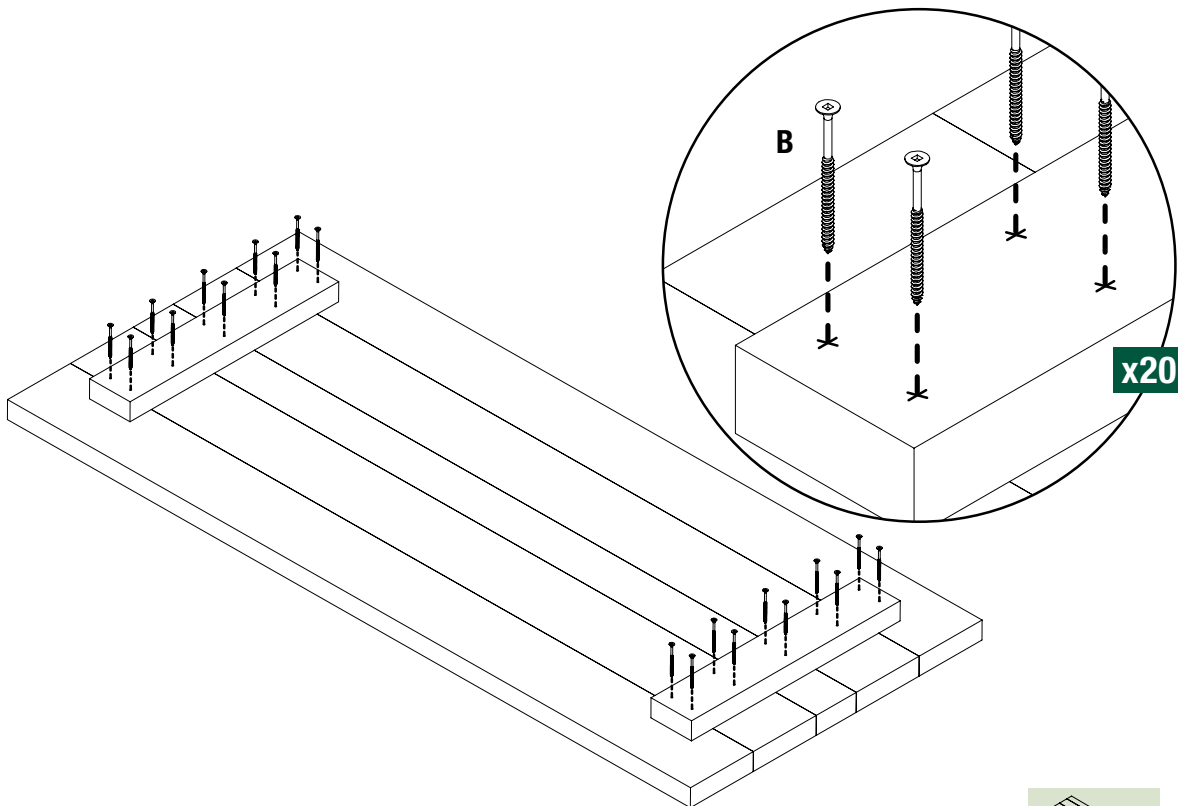


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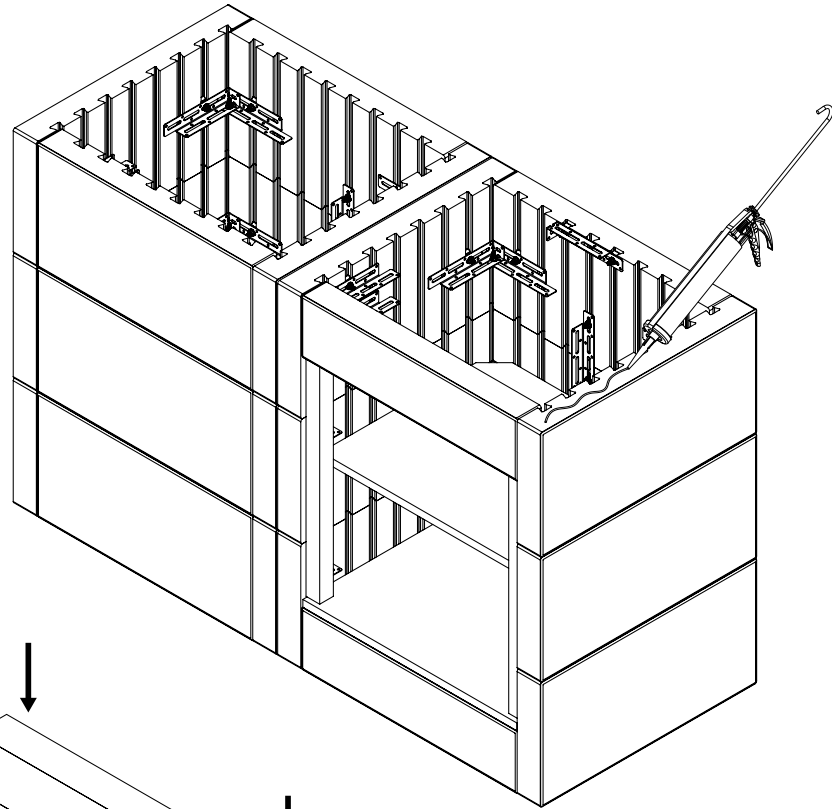


Center 2" x 4" between sides when constructing top

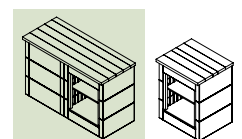
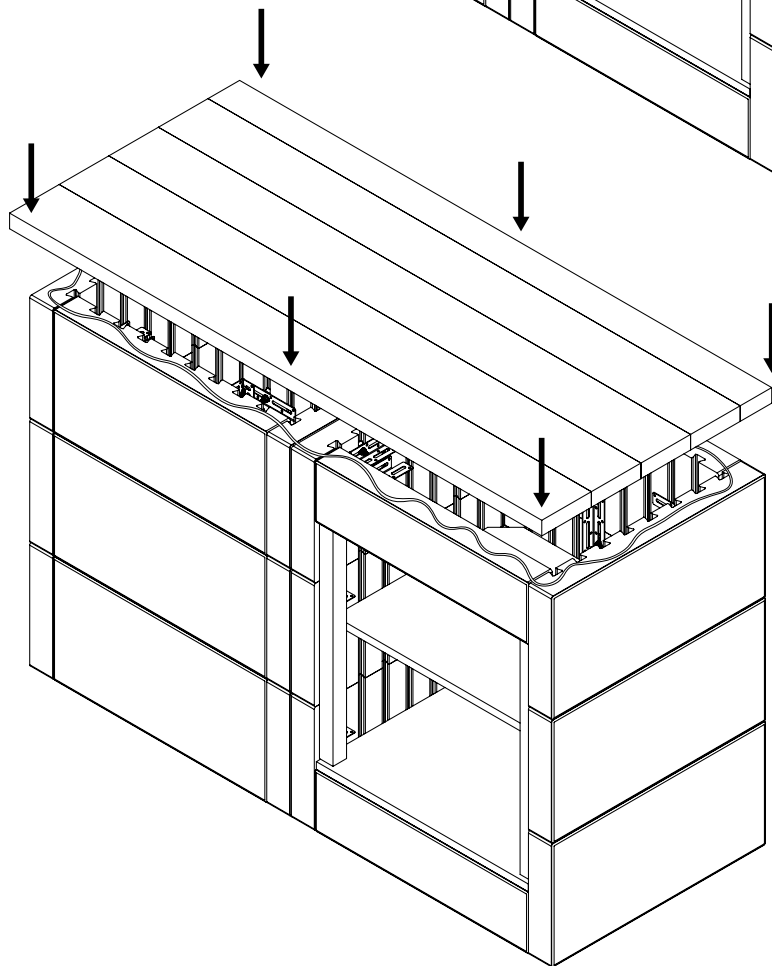
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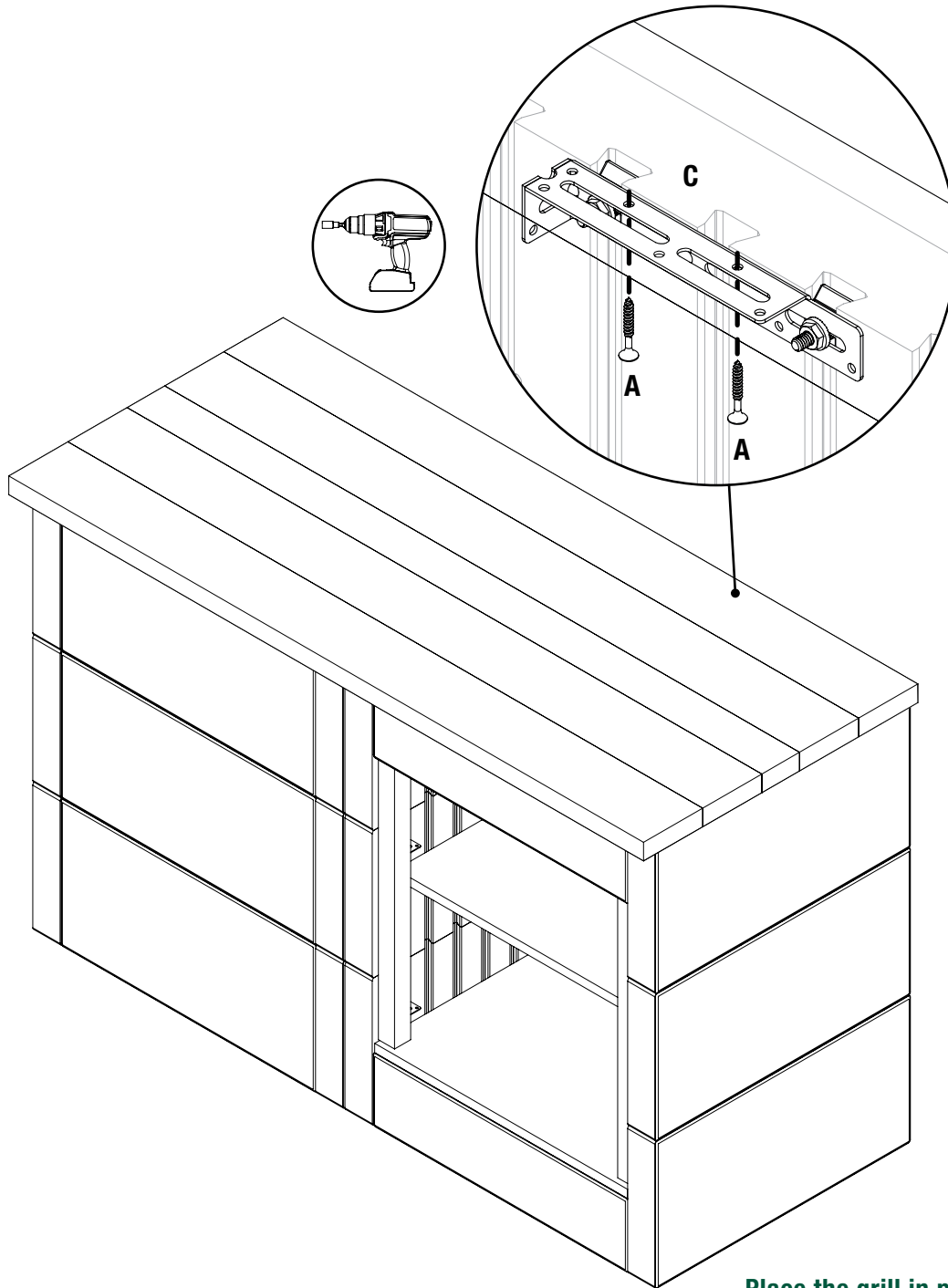
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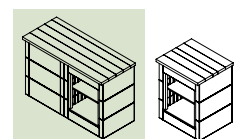
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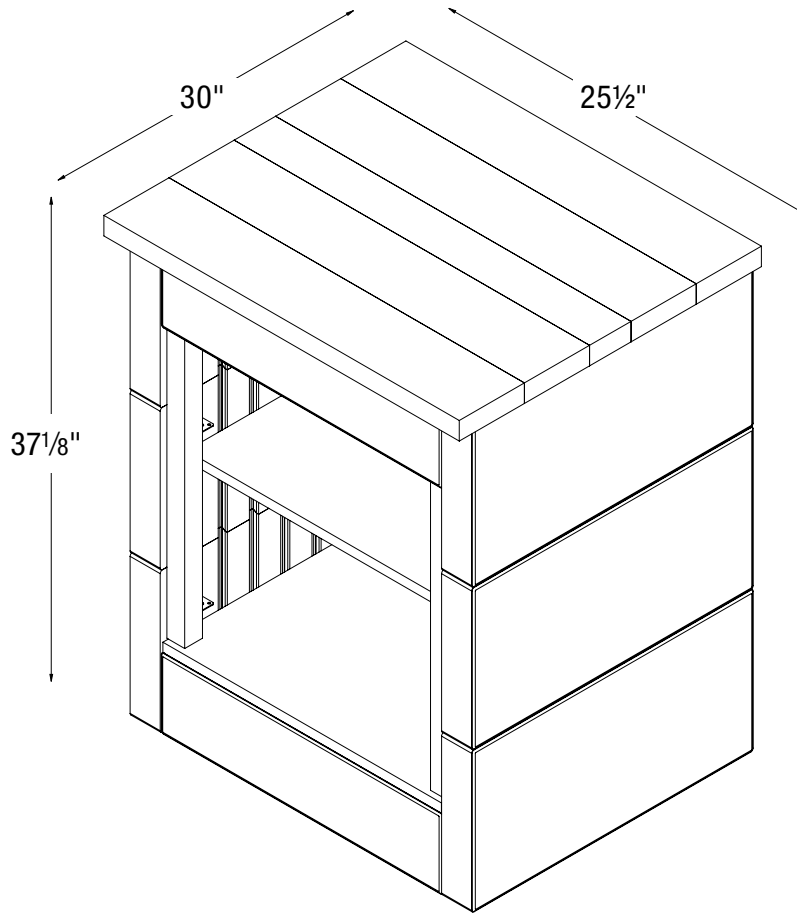


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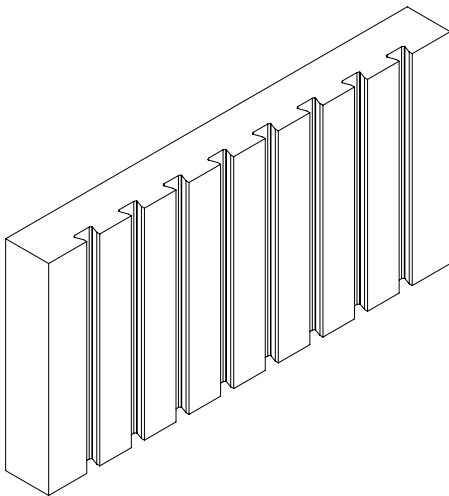
Place the grill in position to line up the next build before starting construction of the single counter shelving unit.



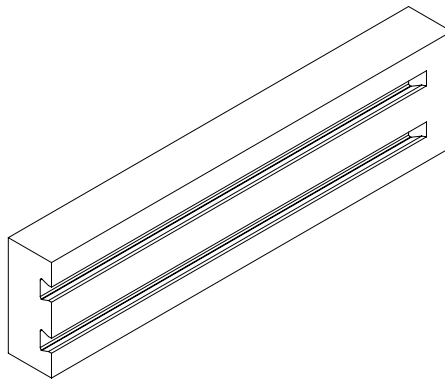


## COMPONENTS

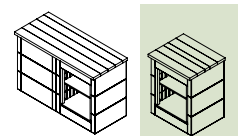
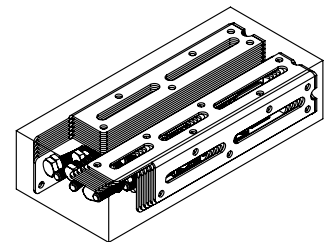
Large Panel (x9)  
12" x 24"

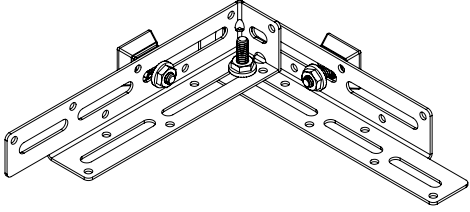
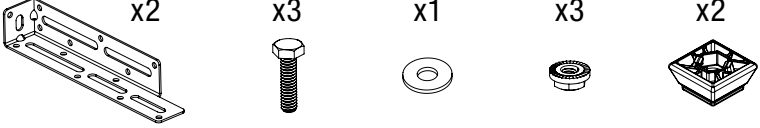
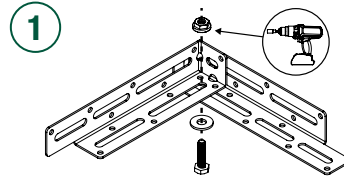
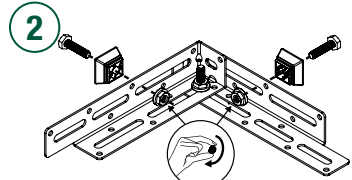
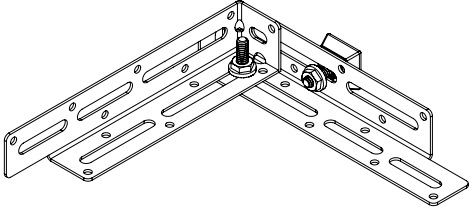
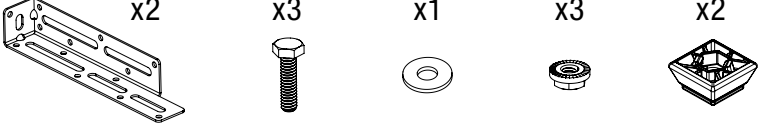
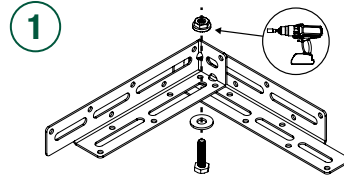
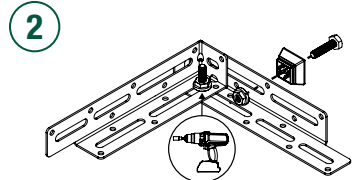
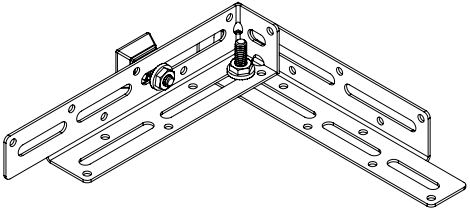
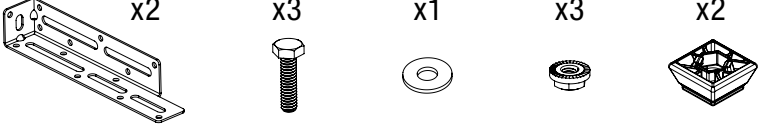
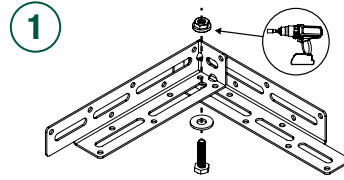
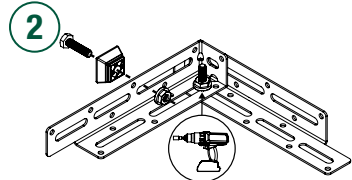


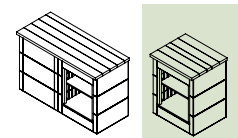
Small Panel (x2)  
6" x 24"



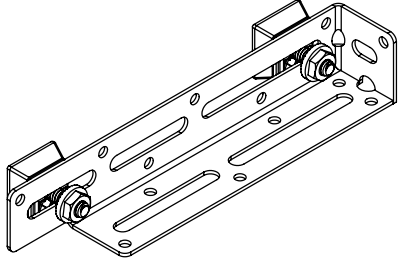
Hardware Kit (x3)



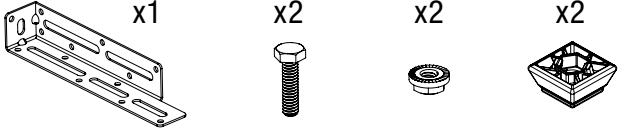
<p><b>BRACKET A</b></p> <p><b>x6</b></p> 	<p>x2      x3      x1      x3      x2</p>  <p><b>1</b></p>  <p><b>2</b></p> 
<p><b>BRACKET A1</b></p> <p><b>x3</b></p> 	<p>x2      x3      x1      x3      x2</p>  <p><b>1</b></p>  <p><b>2</b></p> 
<p><b>BRACKET A2</b></p> <p><b>x3</b></p> 	<p>x2      x3      x1      x3      x2</p>  <p><b>1</b></p>  <p><b>2</b></p> 



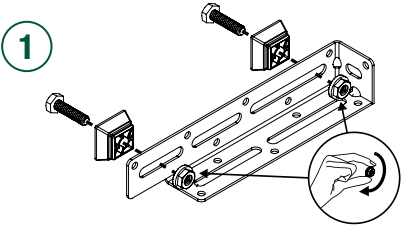
**BRACKET C** x8



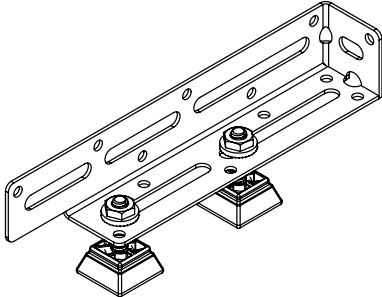
x1 x2 x2 x2



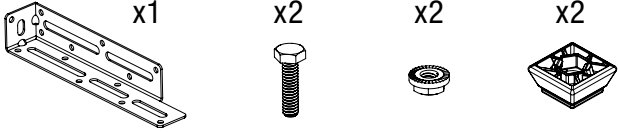
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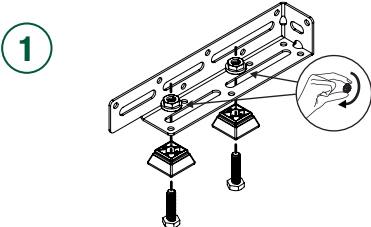
**BRACKET C1** x1



x1 x2 x2 x2

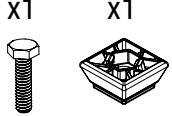


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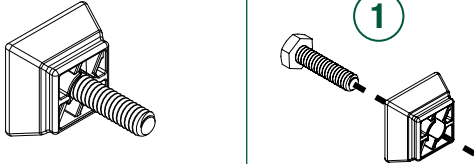


**ASSEMBLY I** x6


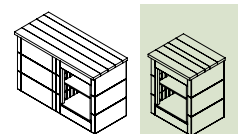
x1 x1



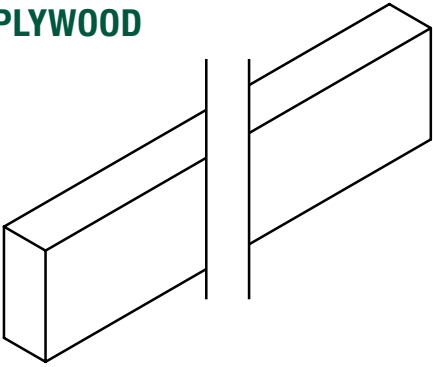
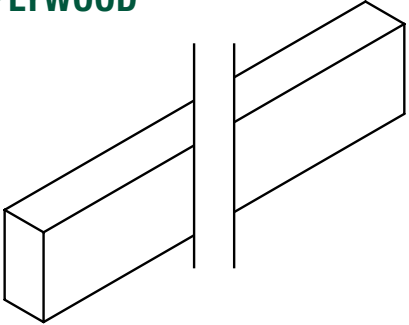
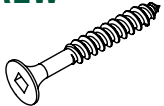
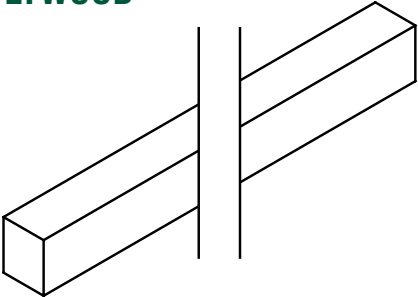
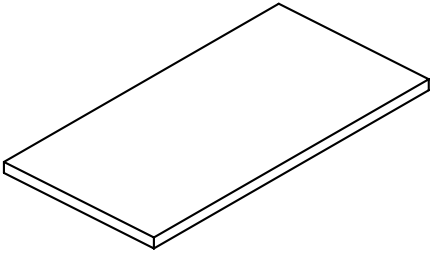

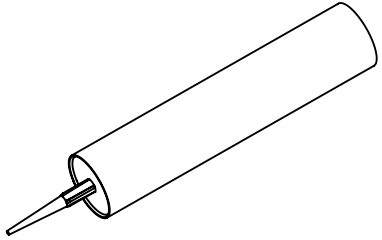
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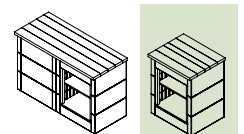


**J** x6

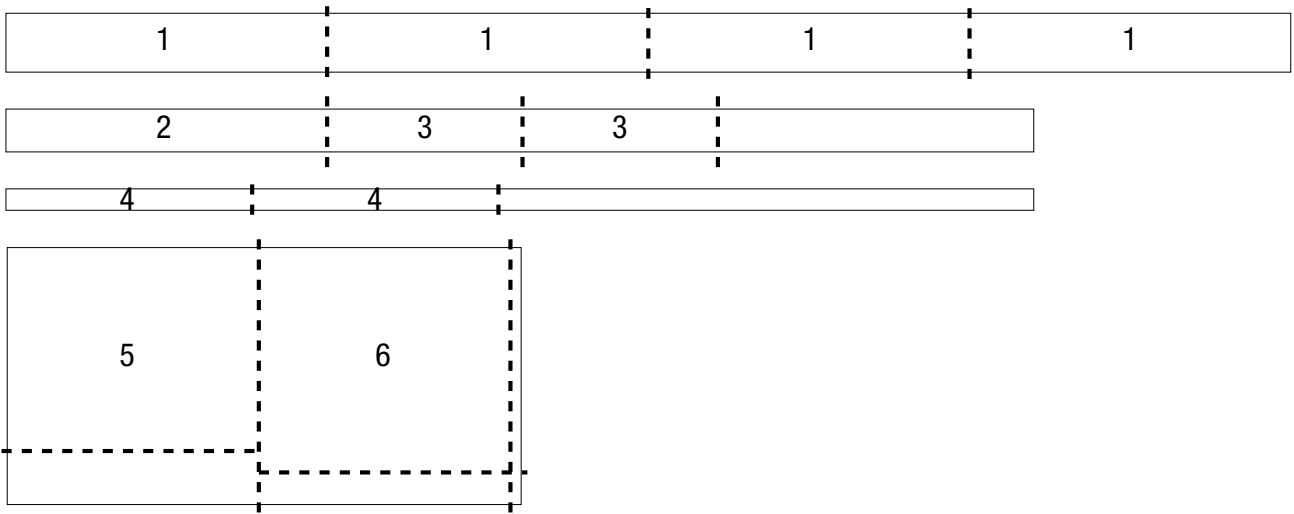
**ADDITIONAL WOOD TOP COMPONENTS**

<p><b>2" x 6" x 10'</b> <b>PRESSURE TREATED</b> <b>PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>2" x 4" x 8'</b> <b>PRESSURE TREATED</b> <b>PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>A #8 1¼"</b> <b>DECK SCREW</b></p> <p><b>x10</b></p> 
<p><b>2" x 2" x 8'</b> <b>PRESSURE TREATED</b> <b>PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>2' x 4' x ¾"</b> <b>PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>B #8 2½"</b> <b>DECK SCREW</b></p> <p><b>x20</b></p>  <p><b>TECHNISEAL</b> <b>CONCRETE ADHESIVE</b></p> <p><b>x1</b></p> 

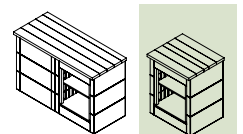


## ADDITIONAL WOOD TOP COMPONENTS - CONT'D

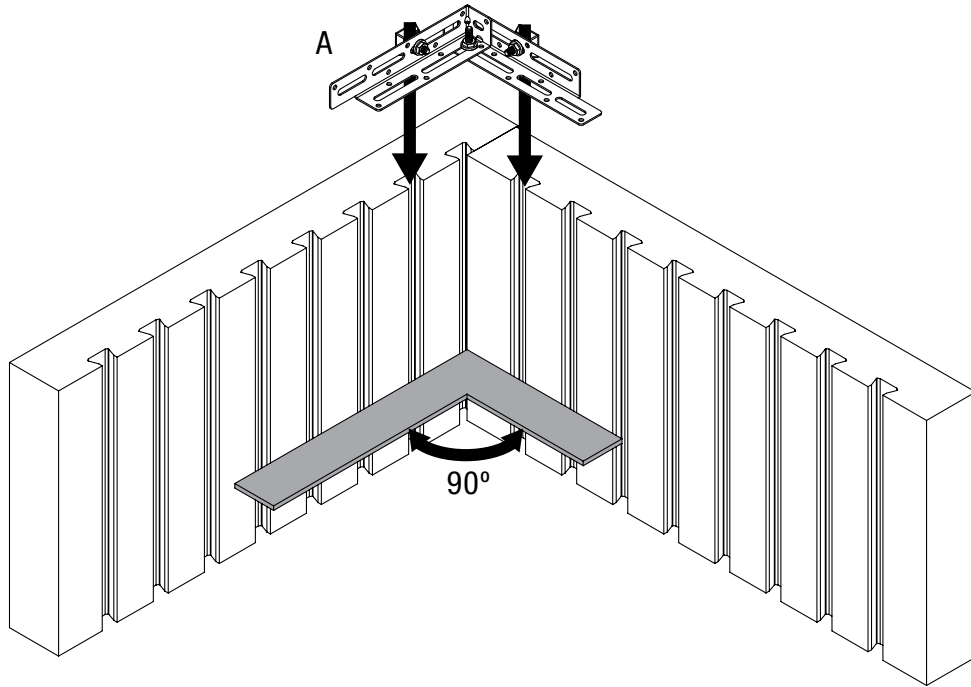
### WOOD CUTS



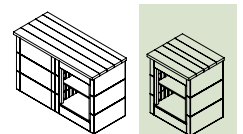
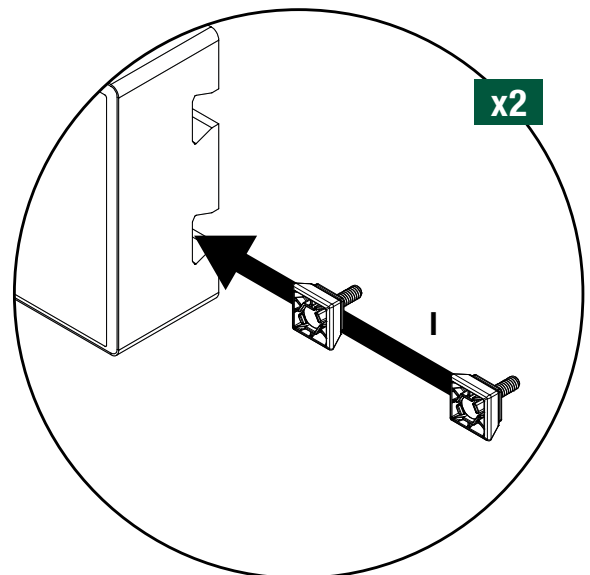
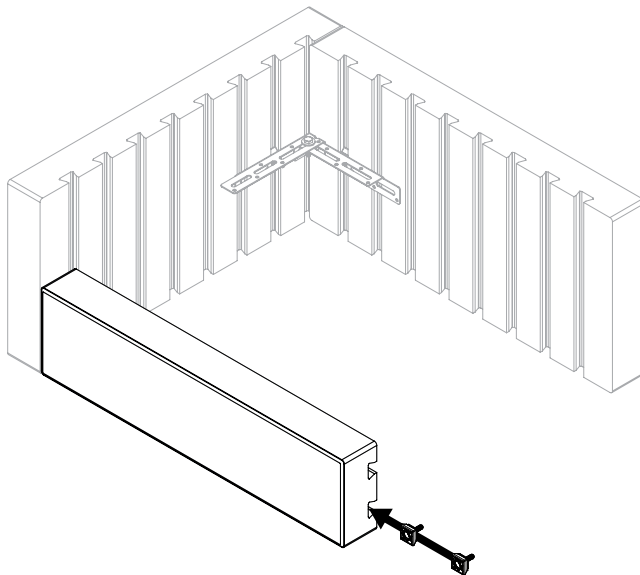
1 = 30"    2 = 30"    3 = 18¼"    4 = 23"    5 = 19 x 23½"    6 = 21 x 23½"



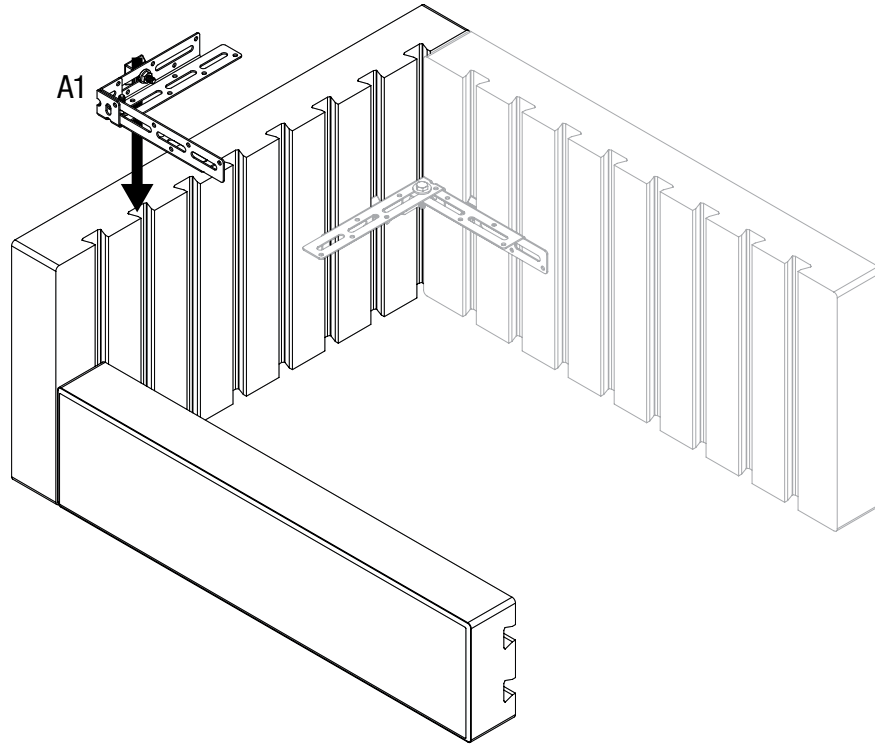
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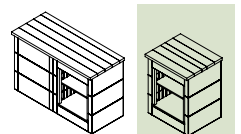
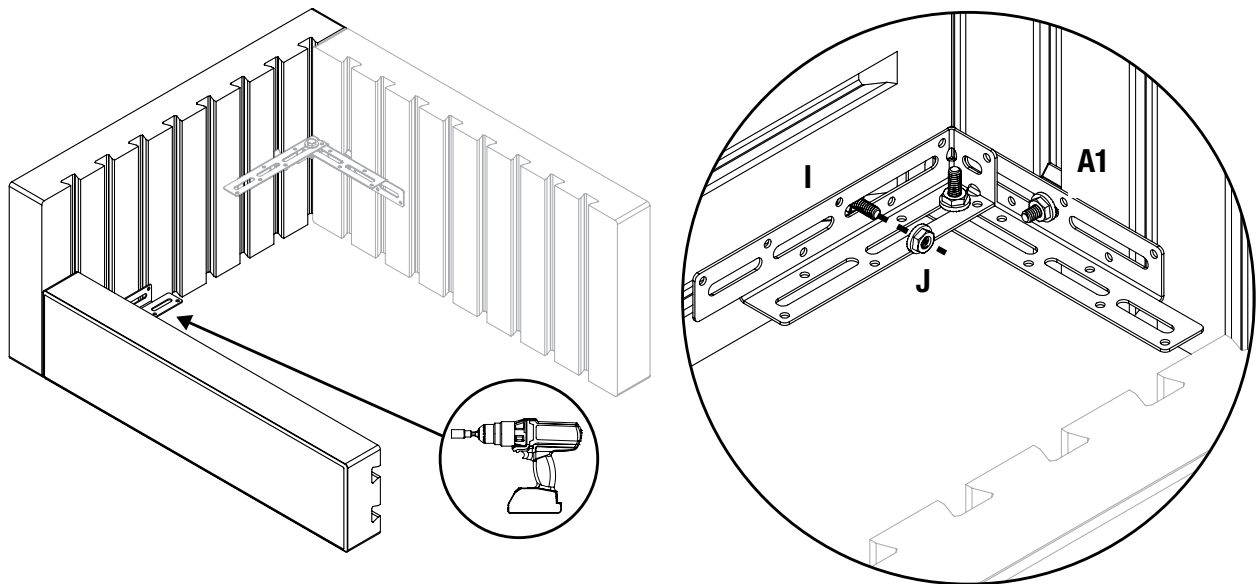
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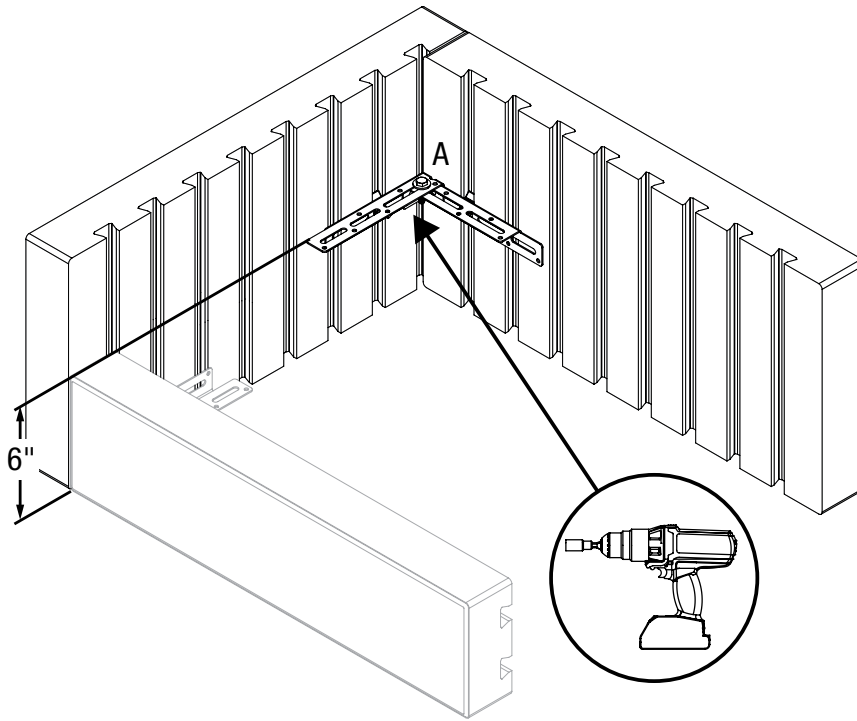
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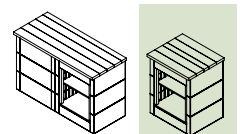
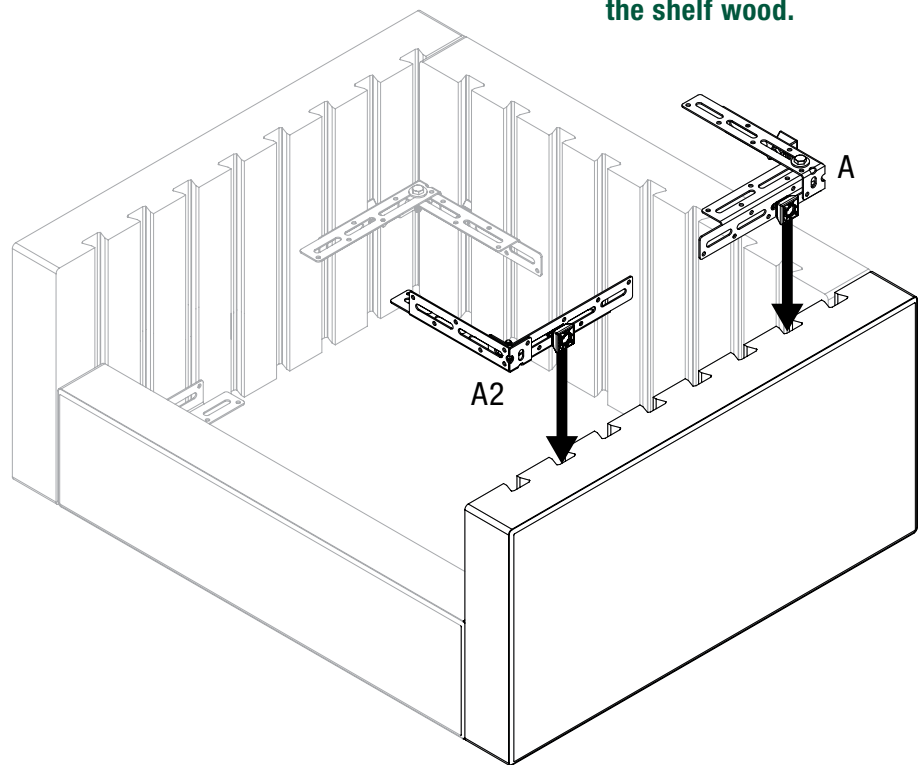


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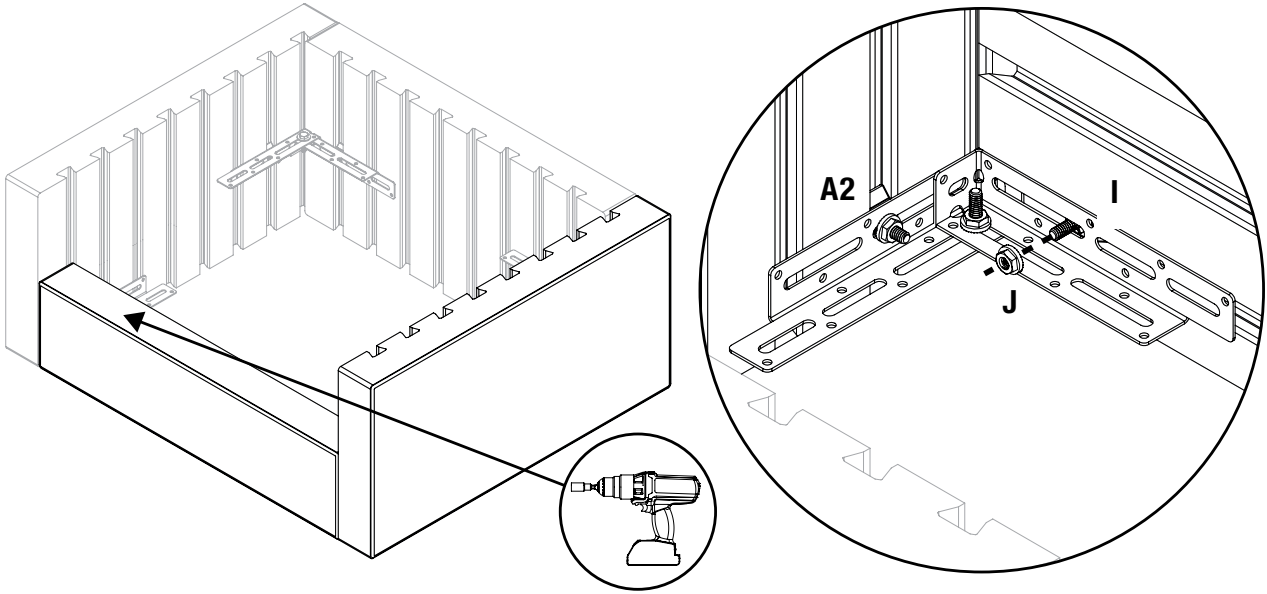


Install BRACKET A  
flat side up to hold  
the shelf wood.

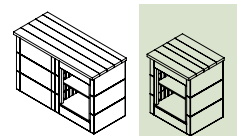
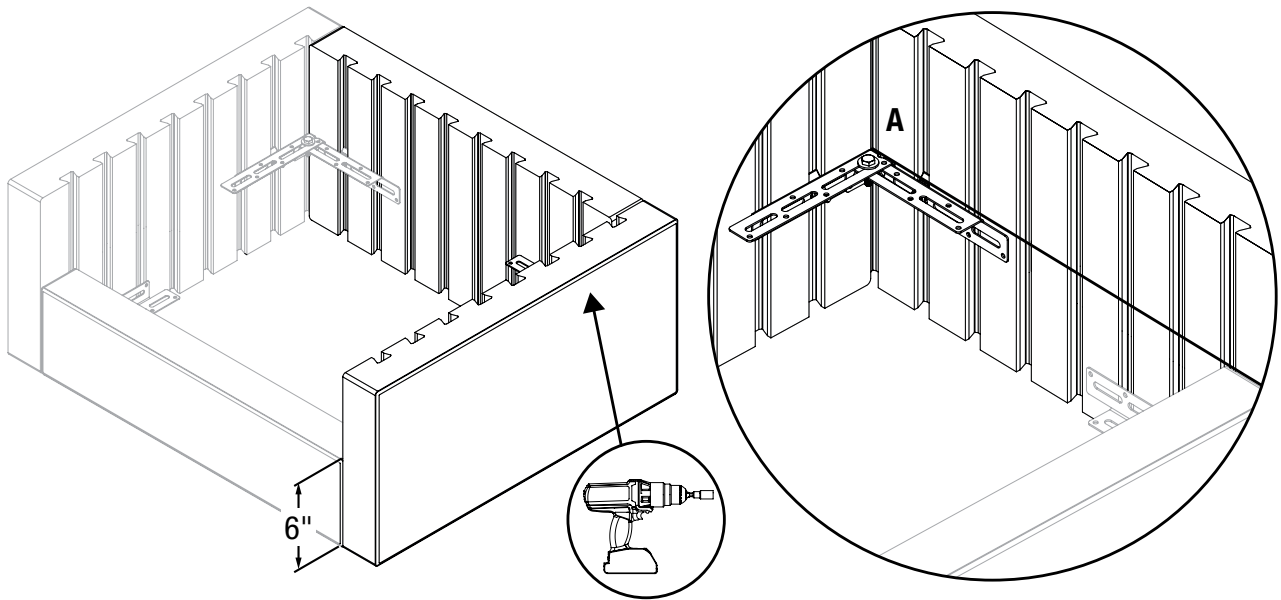
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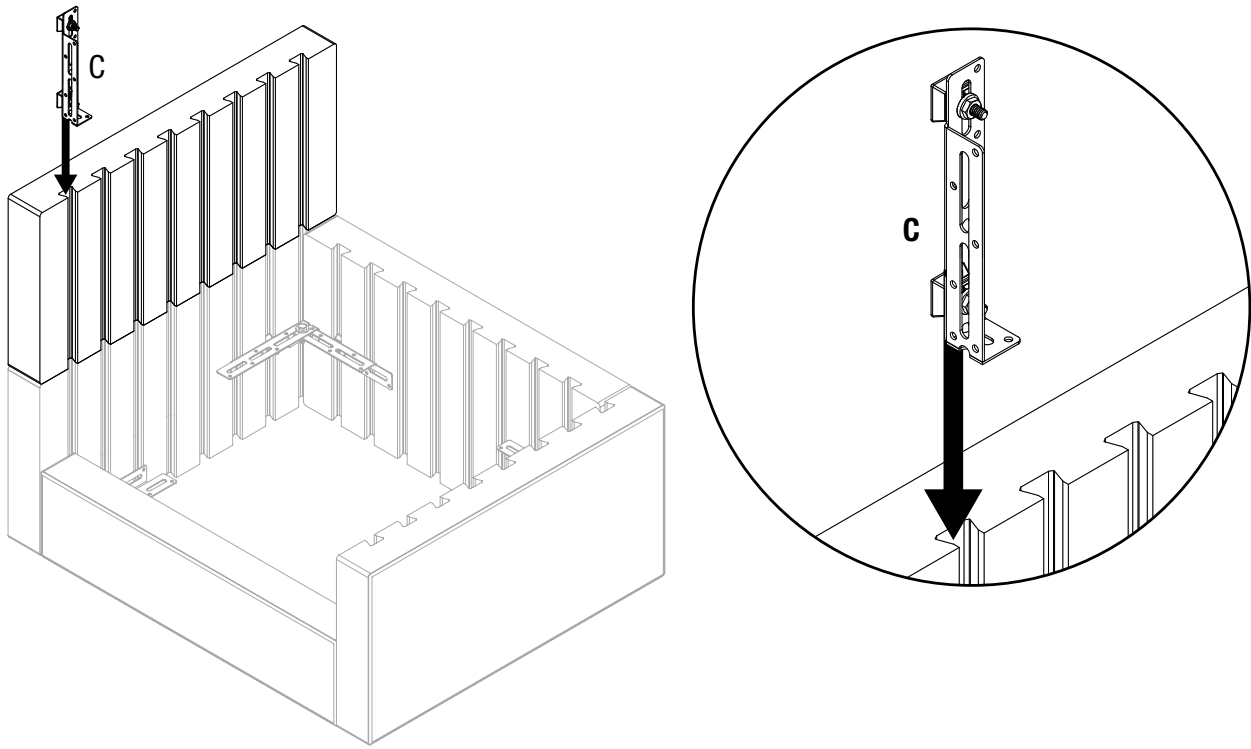
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8

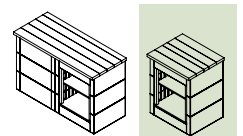
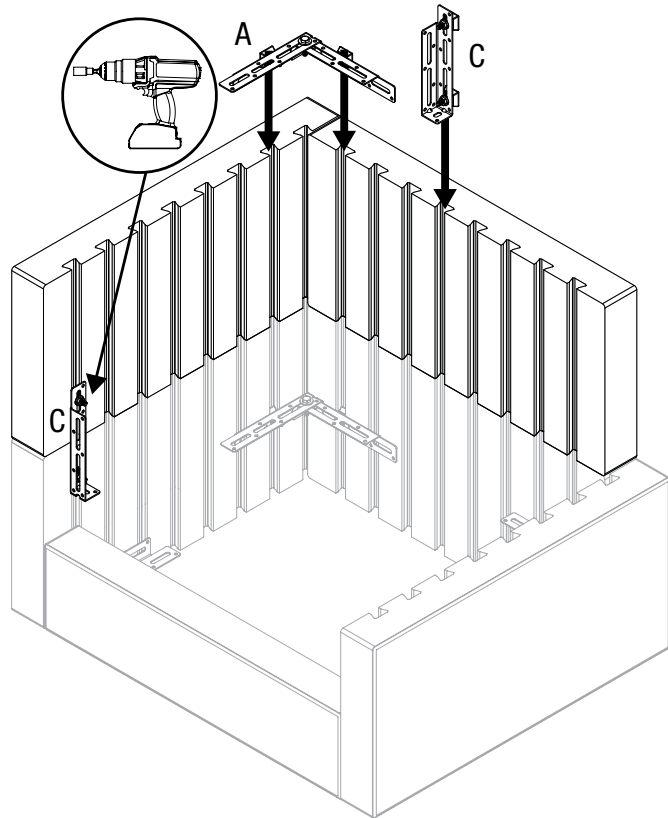


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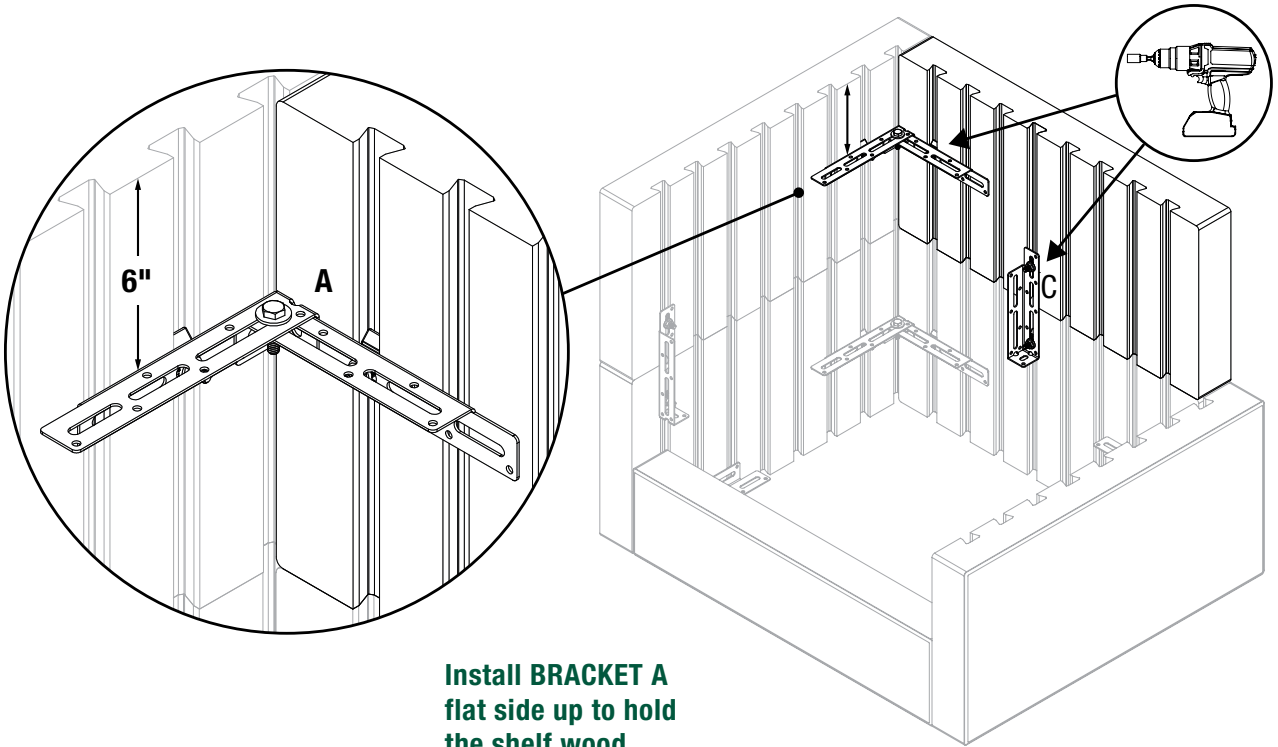


10

Install BRACKET A flat side up to hold the shelf wood.

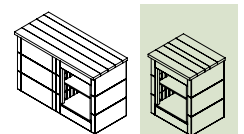
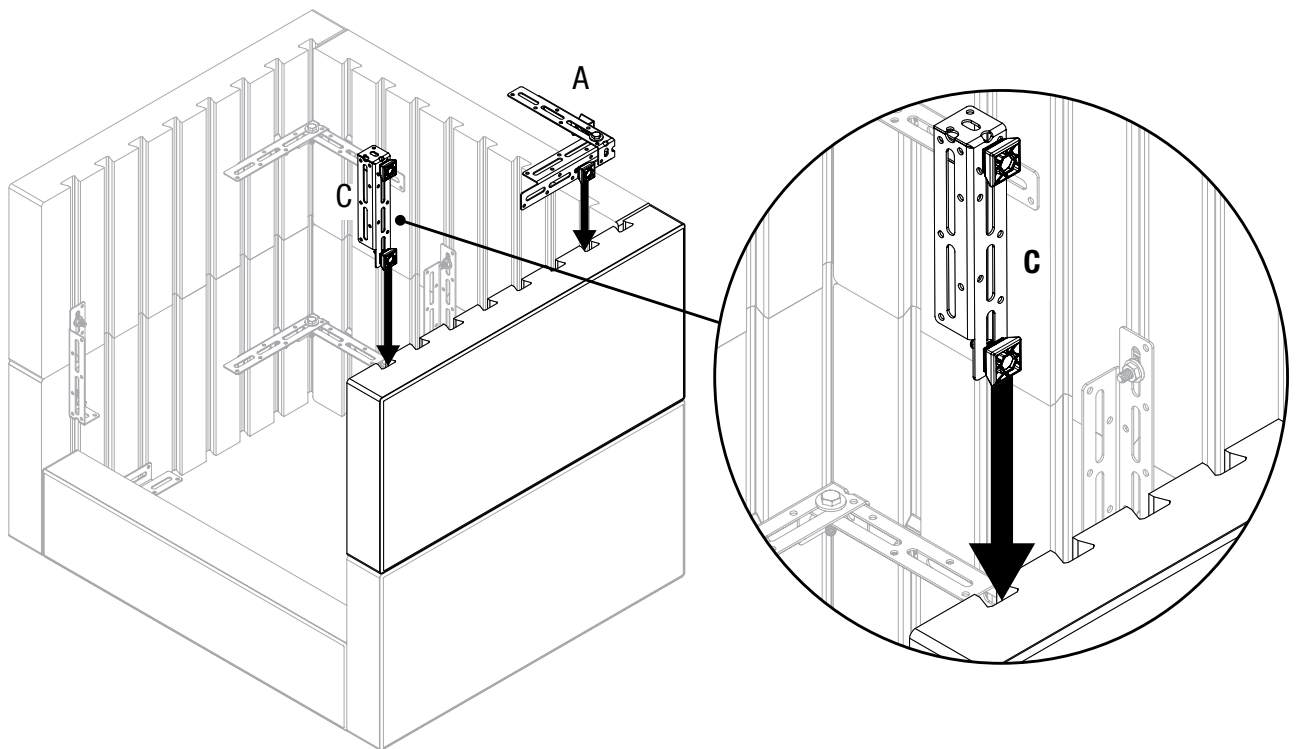


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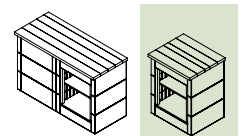
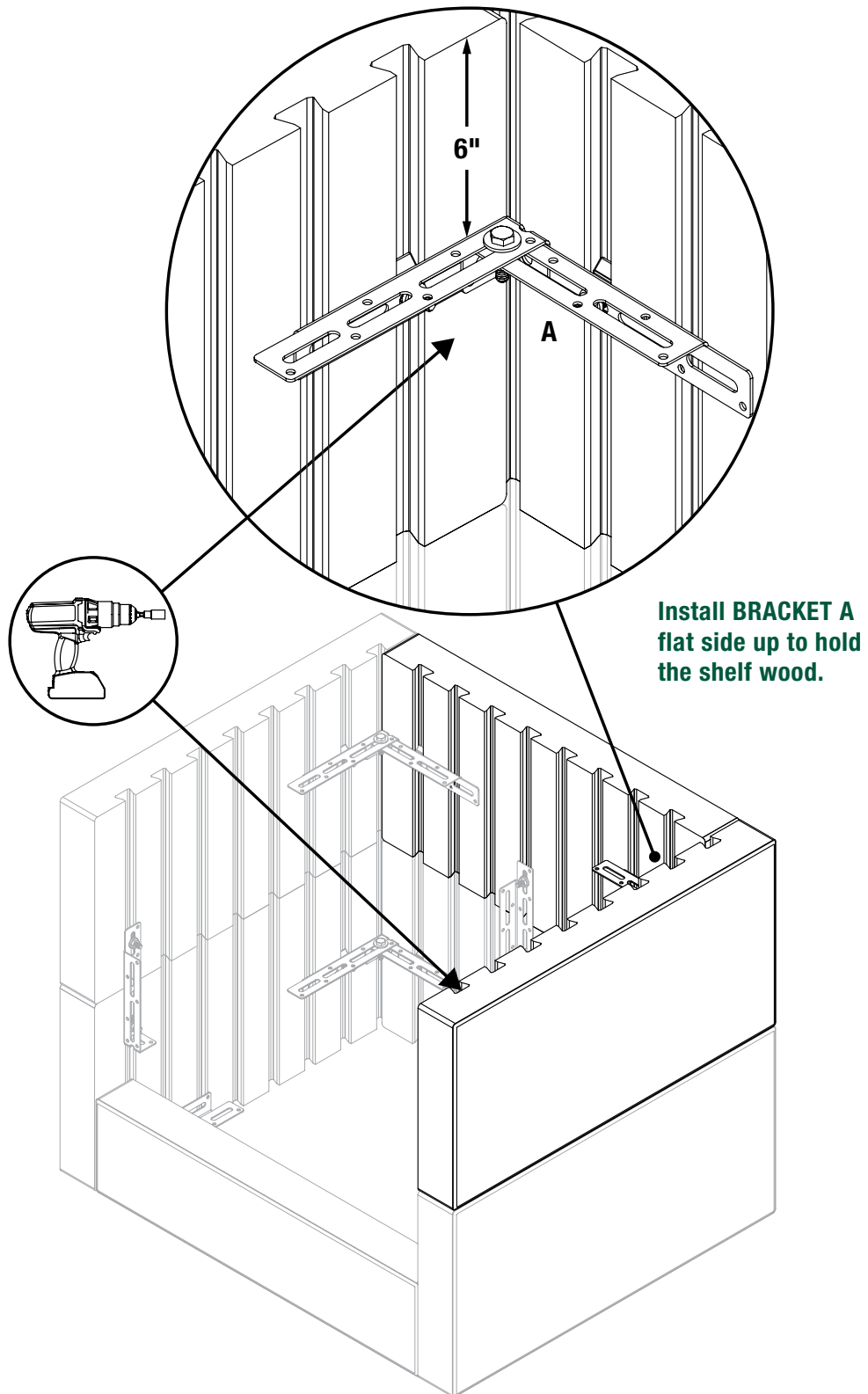


Install BRACKET A flat side up to hold the shelf wood.

12

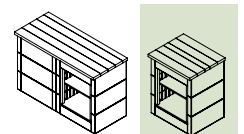
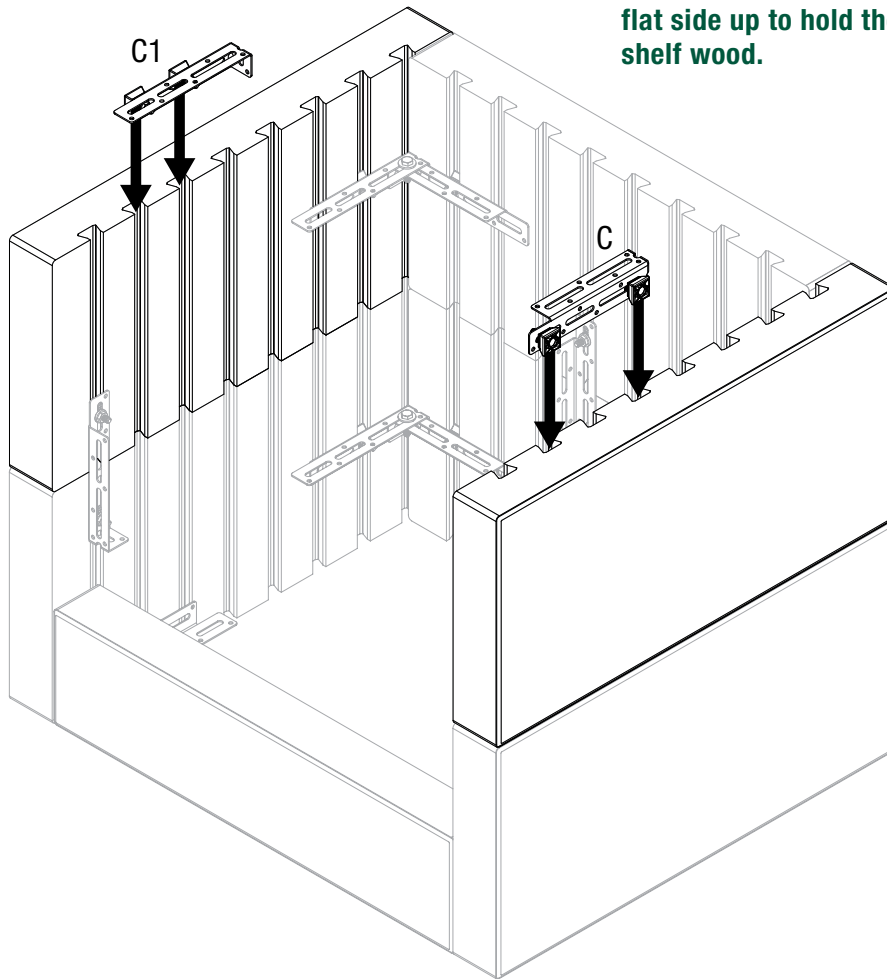


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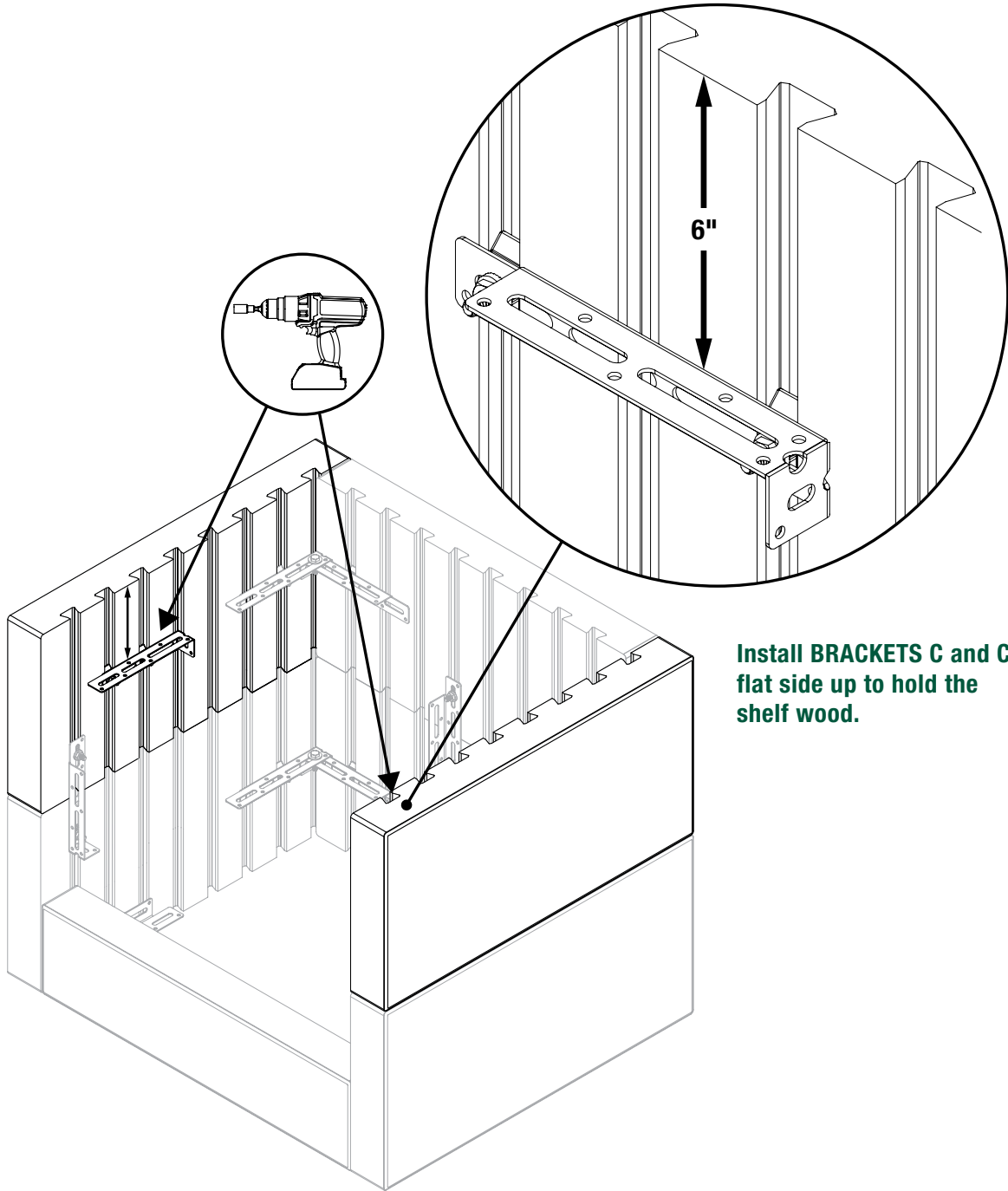


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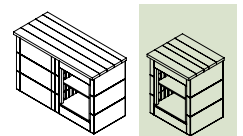
Install BRACKETS C and C1 flat side up to hold the shelf wood.



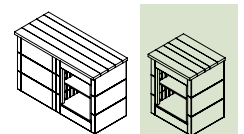
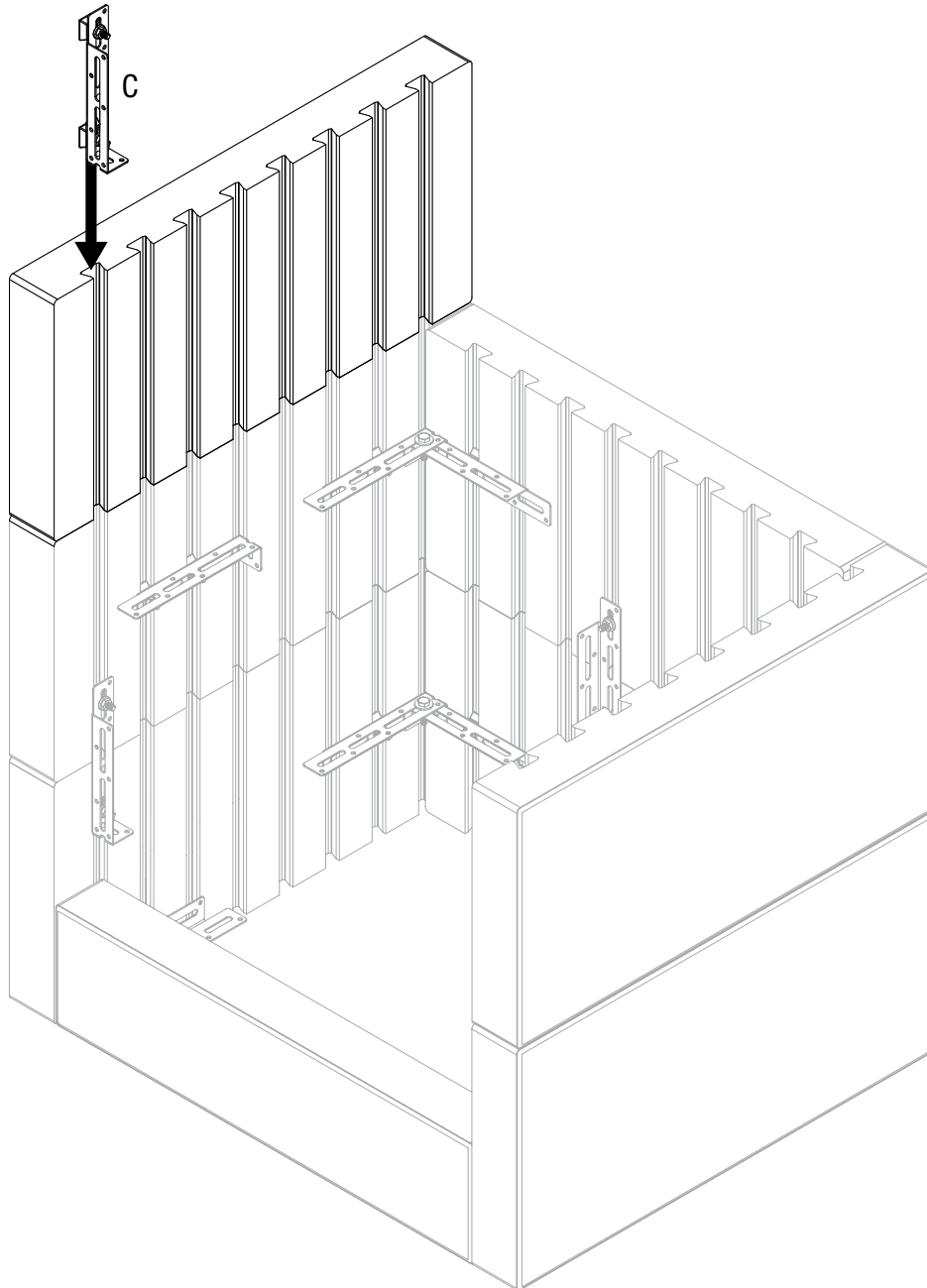
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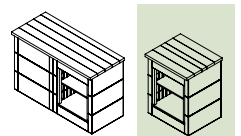
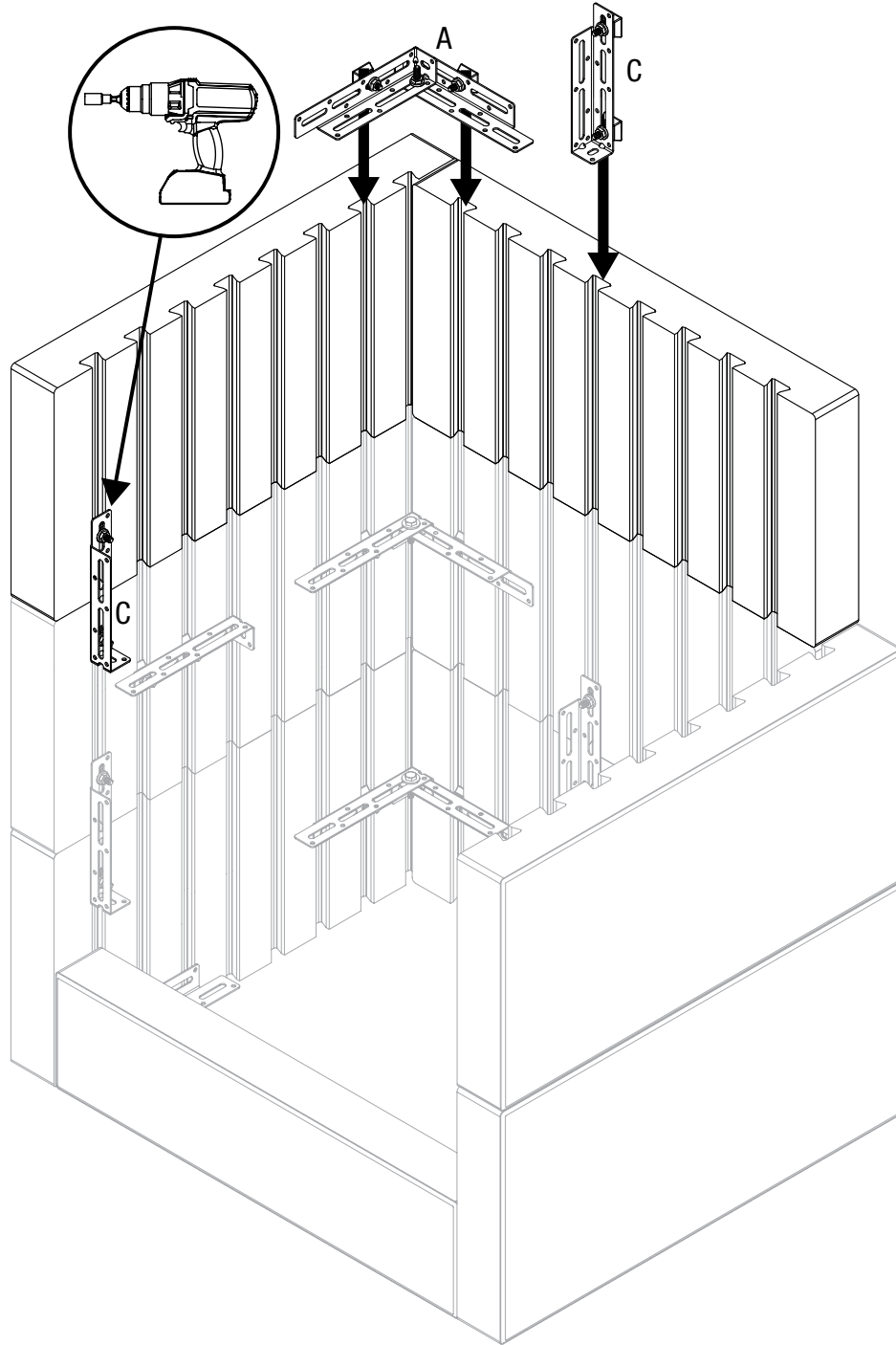
Install BRACKETS C and C1 flat side up to hold the shelf wood.



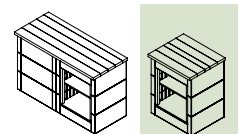
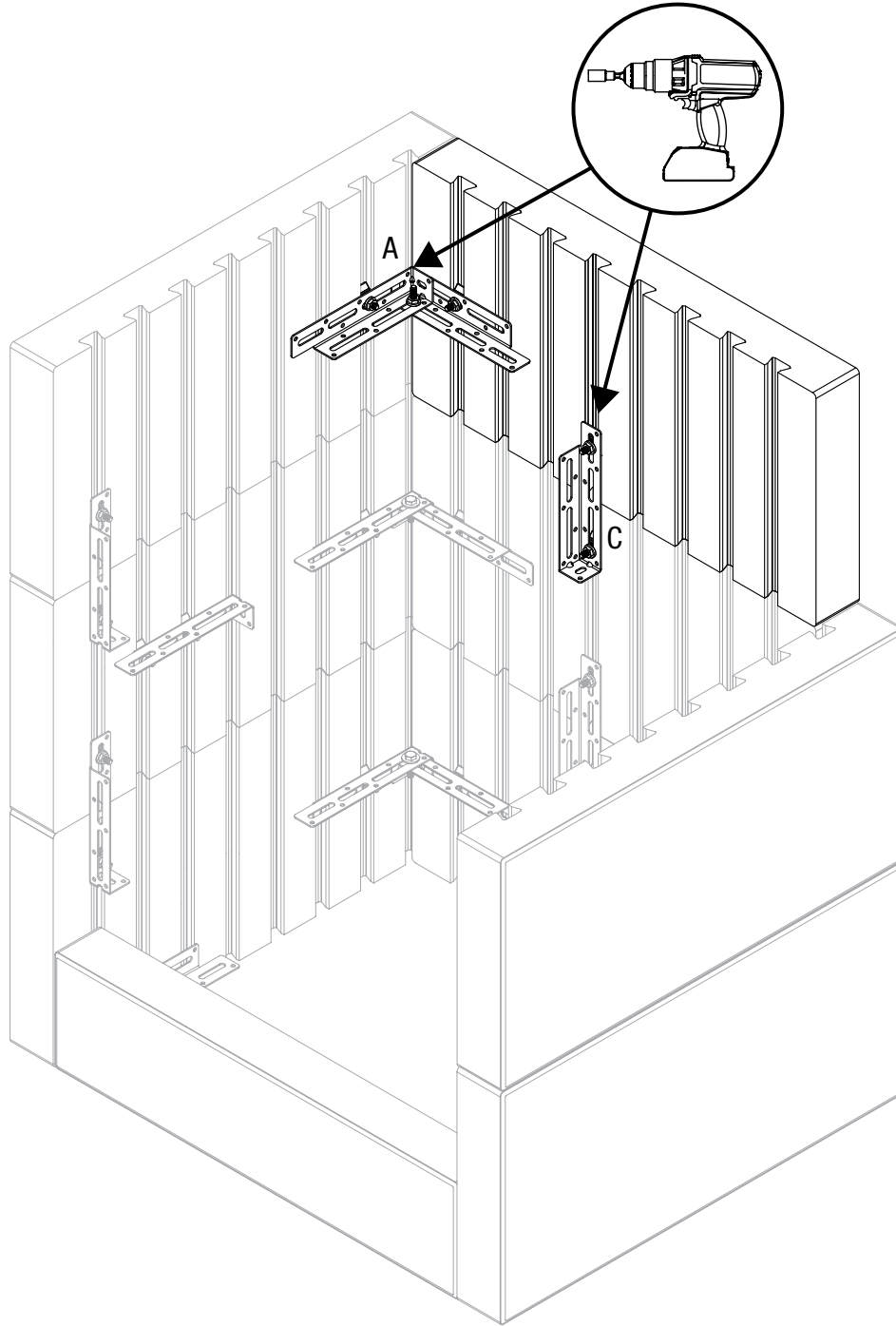
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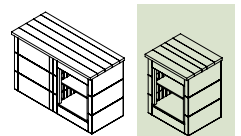
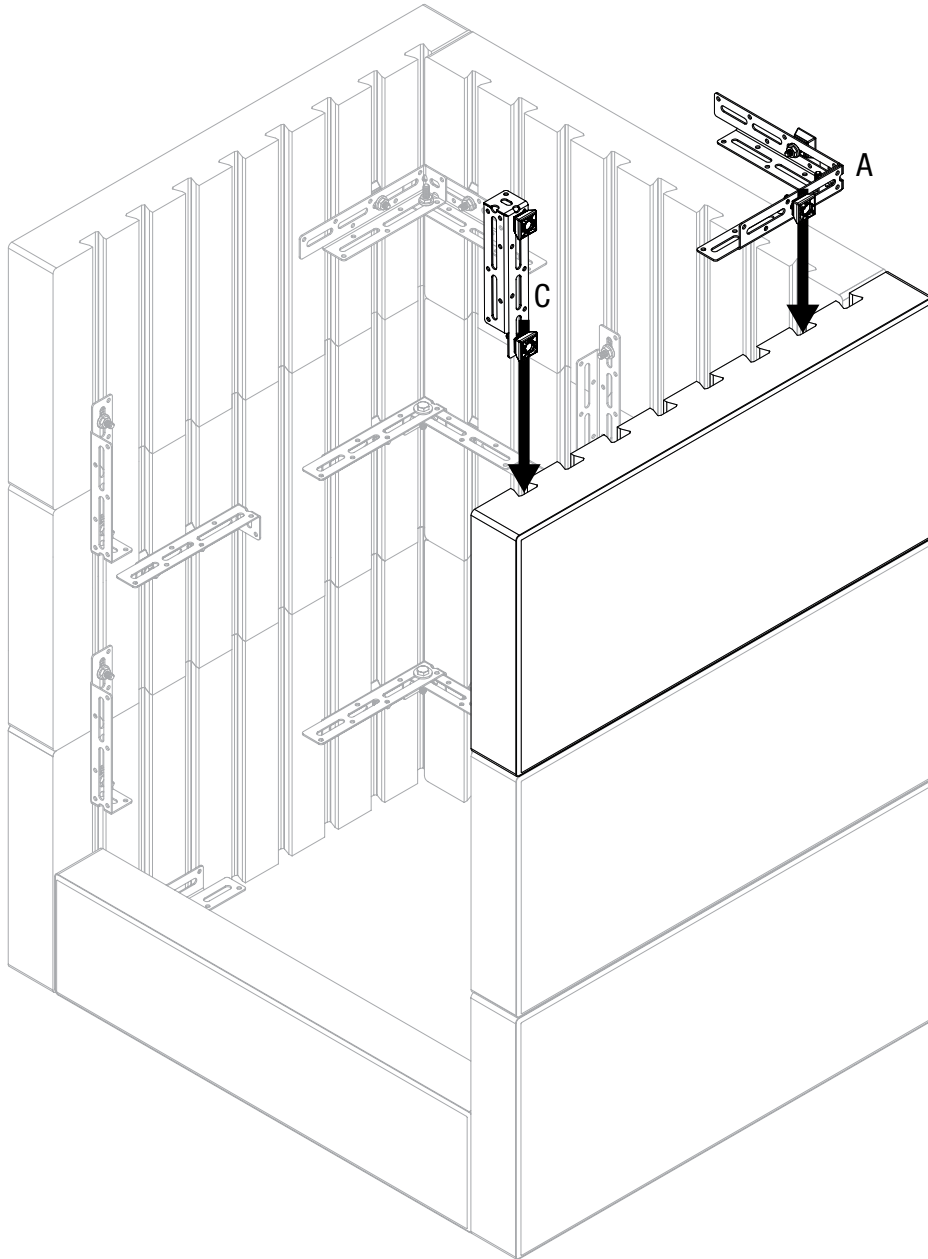
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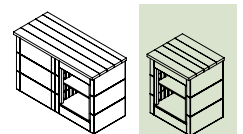
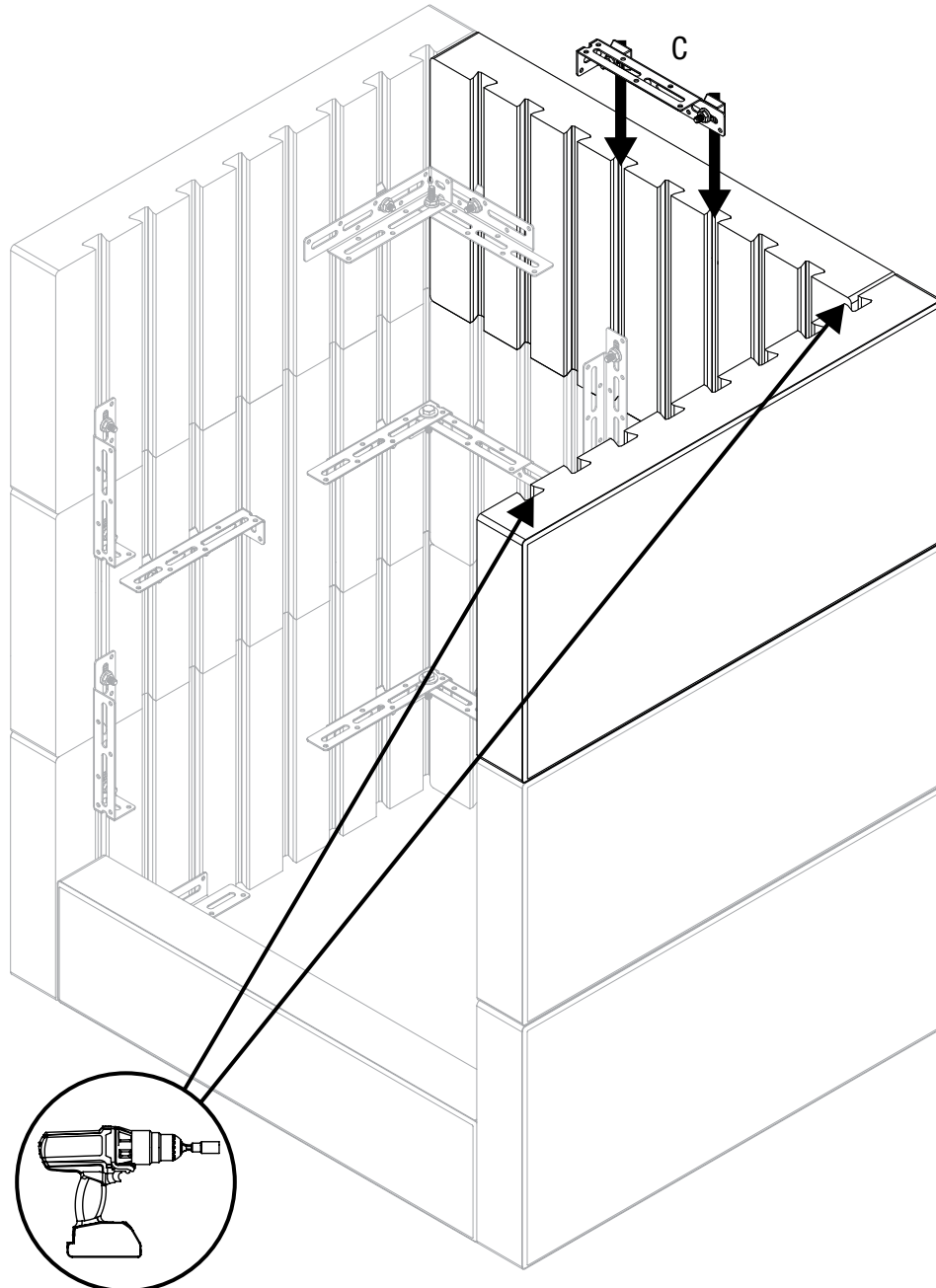
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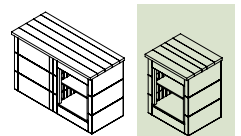
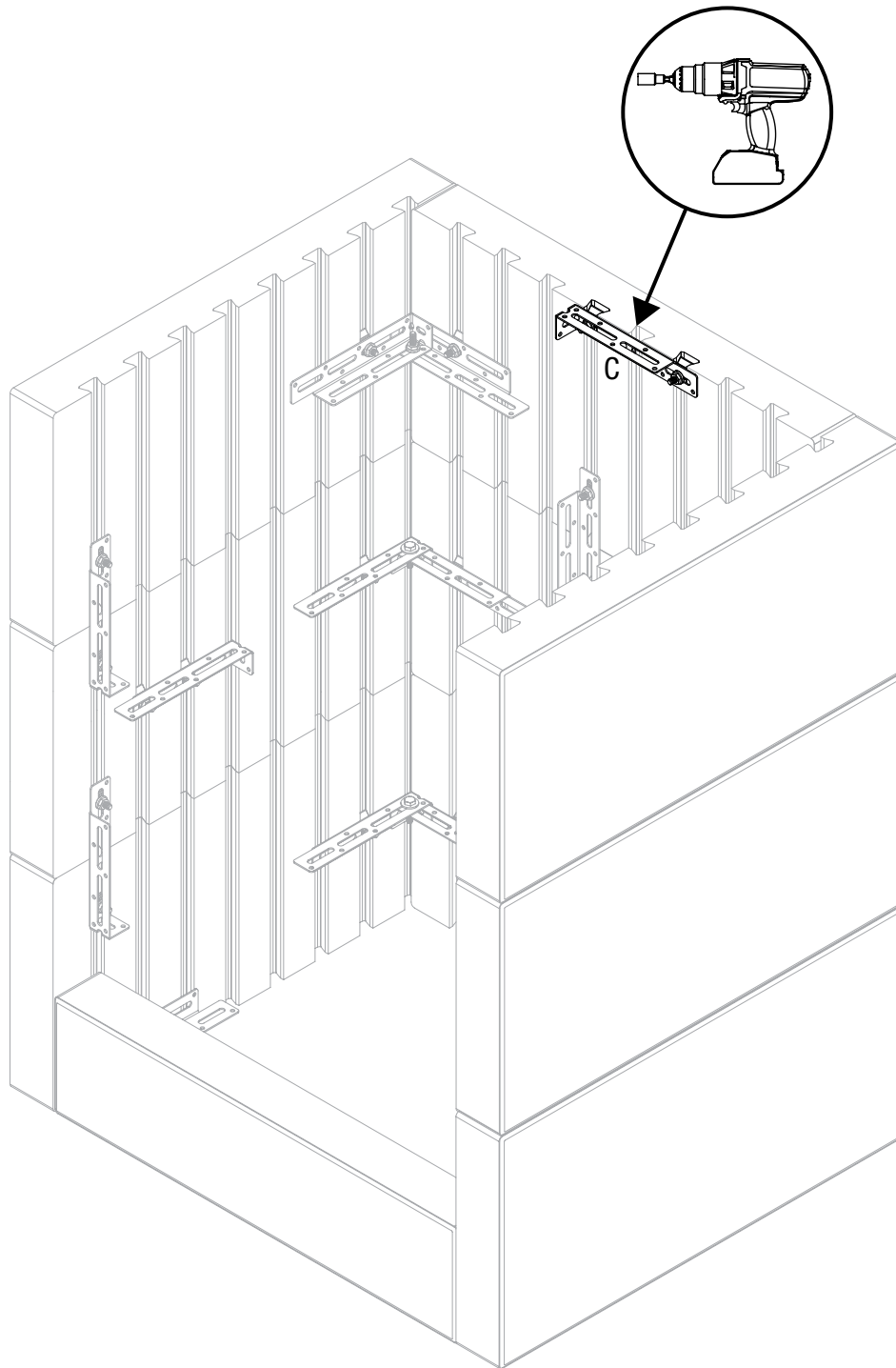
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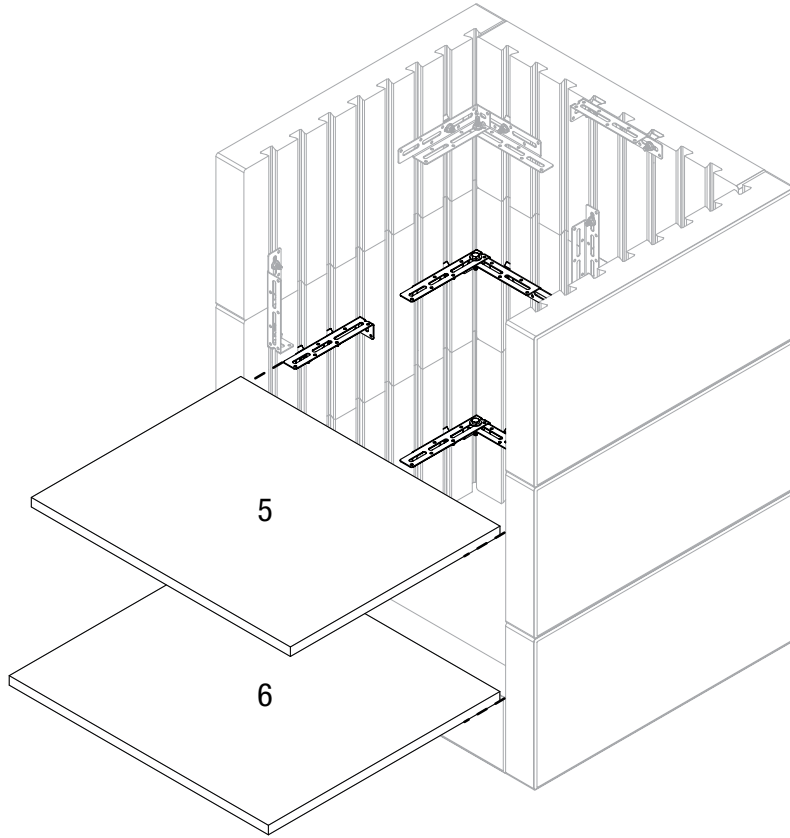
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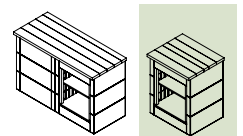
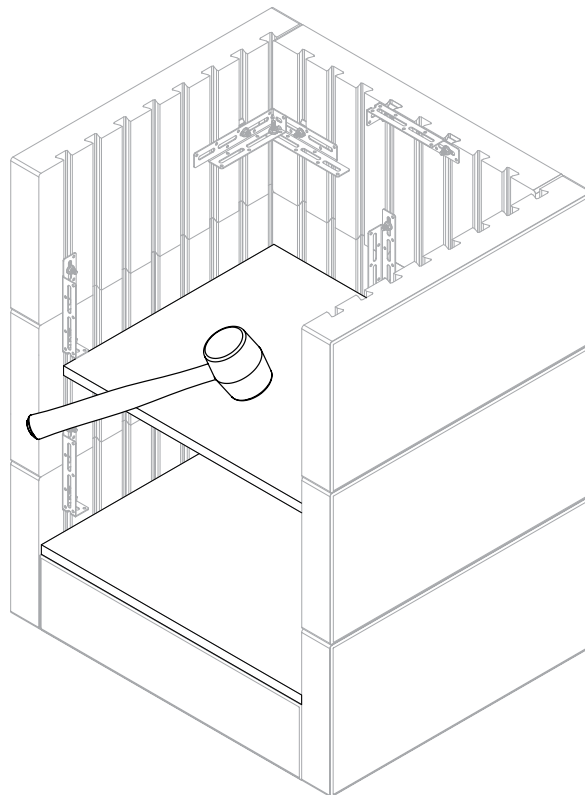
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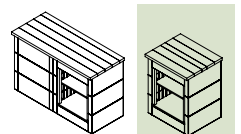
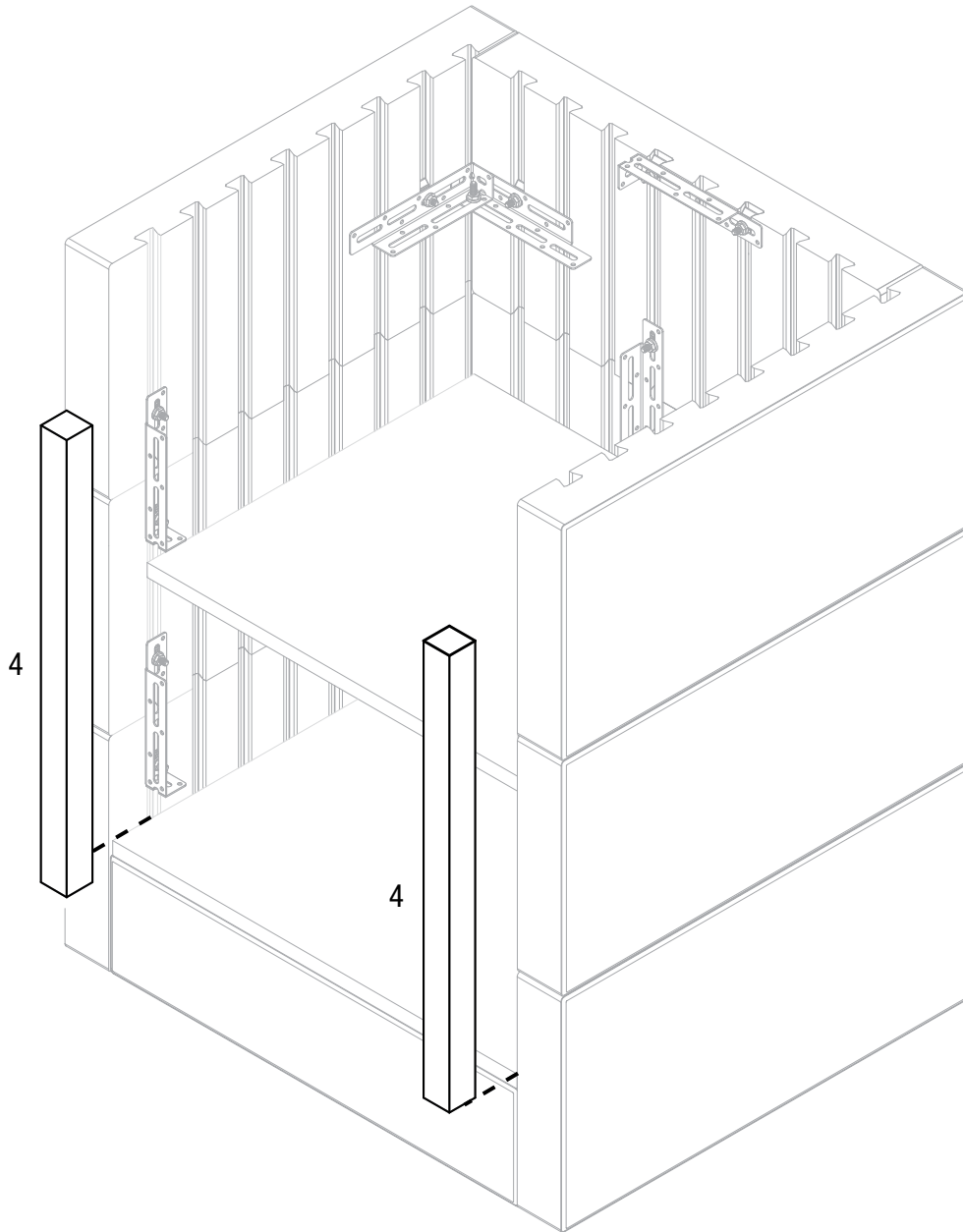
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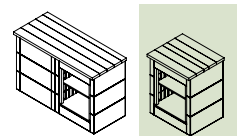
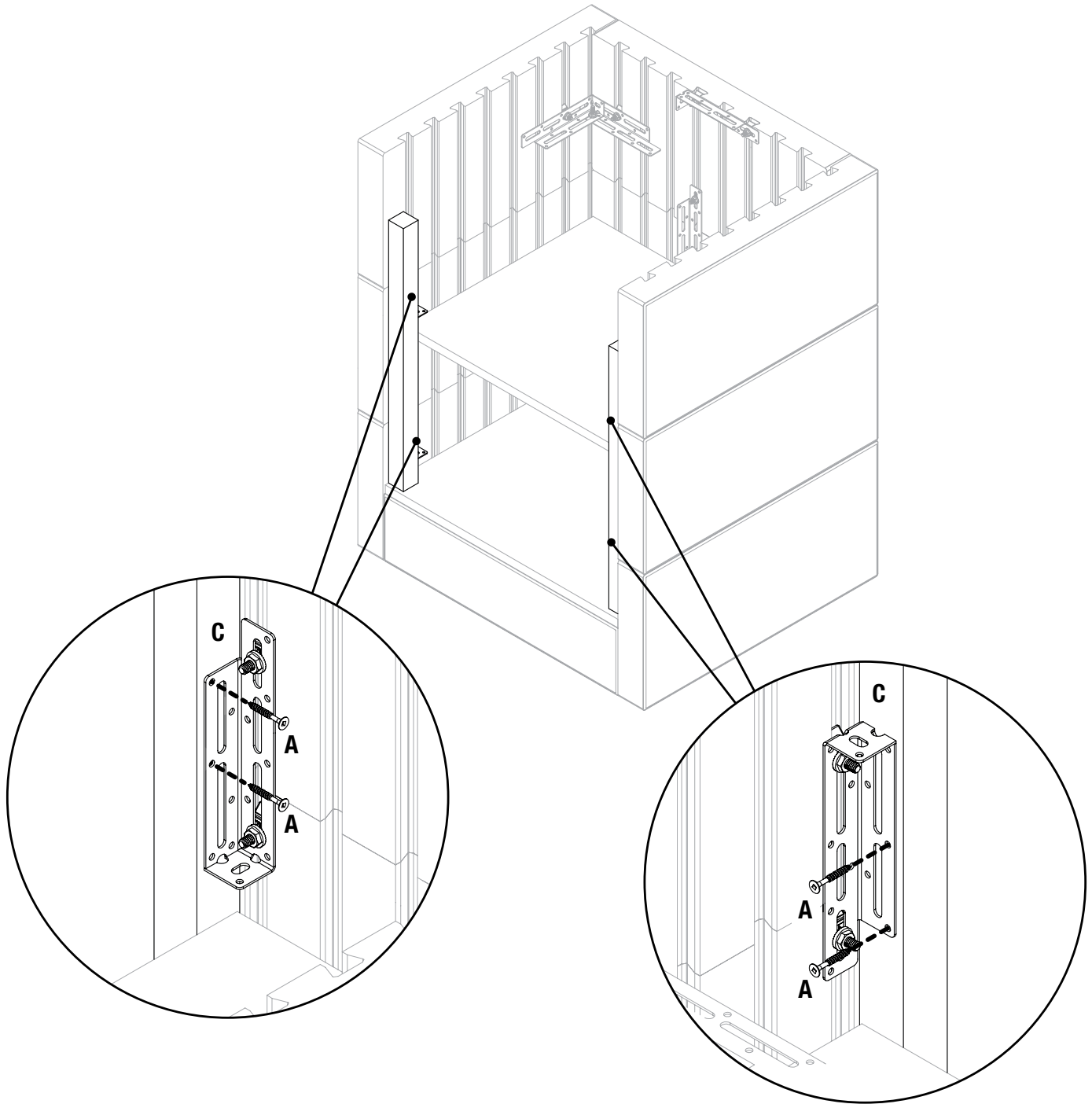
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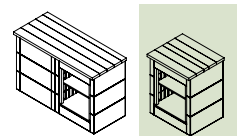
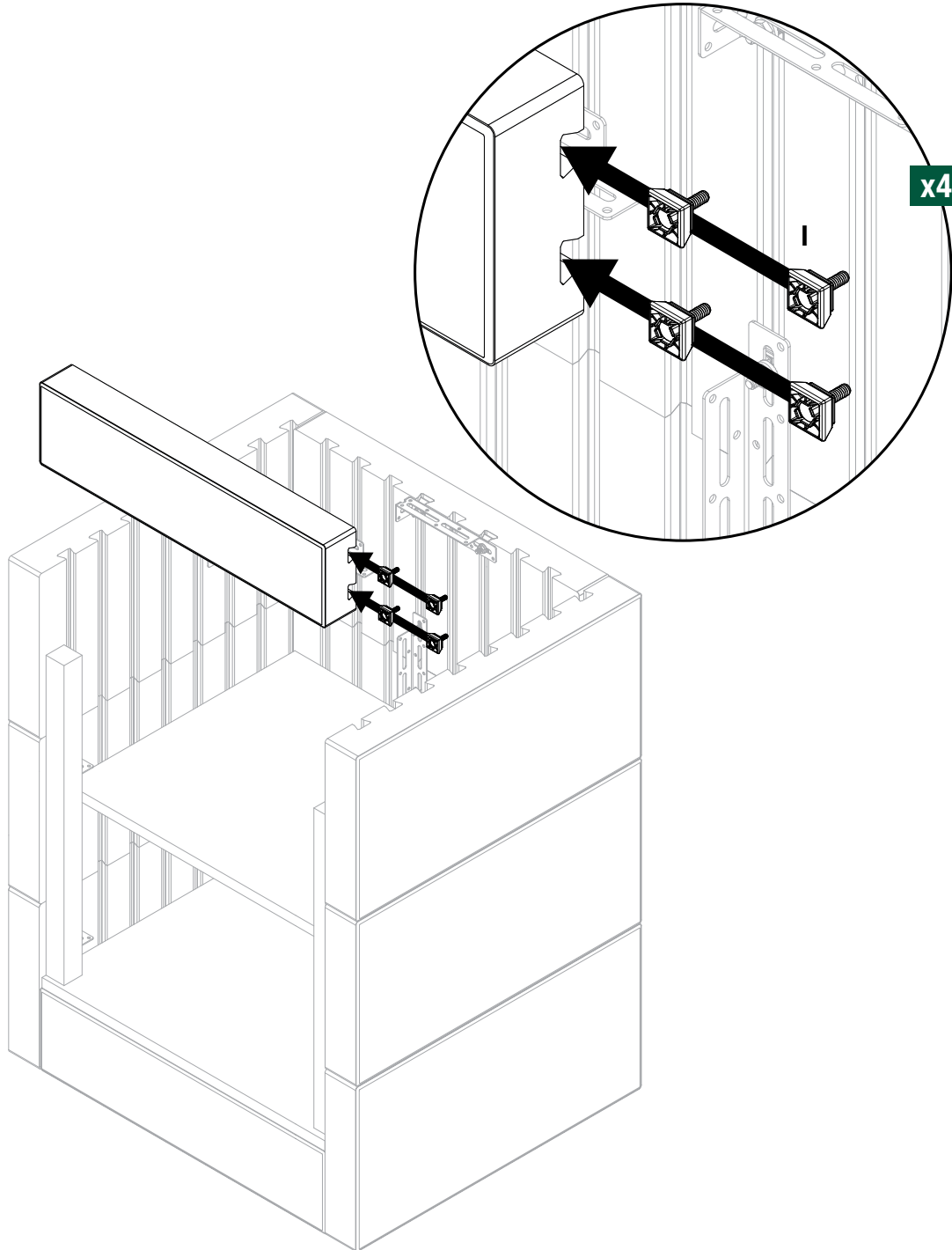
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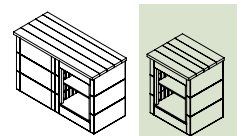
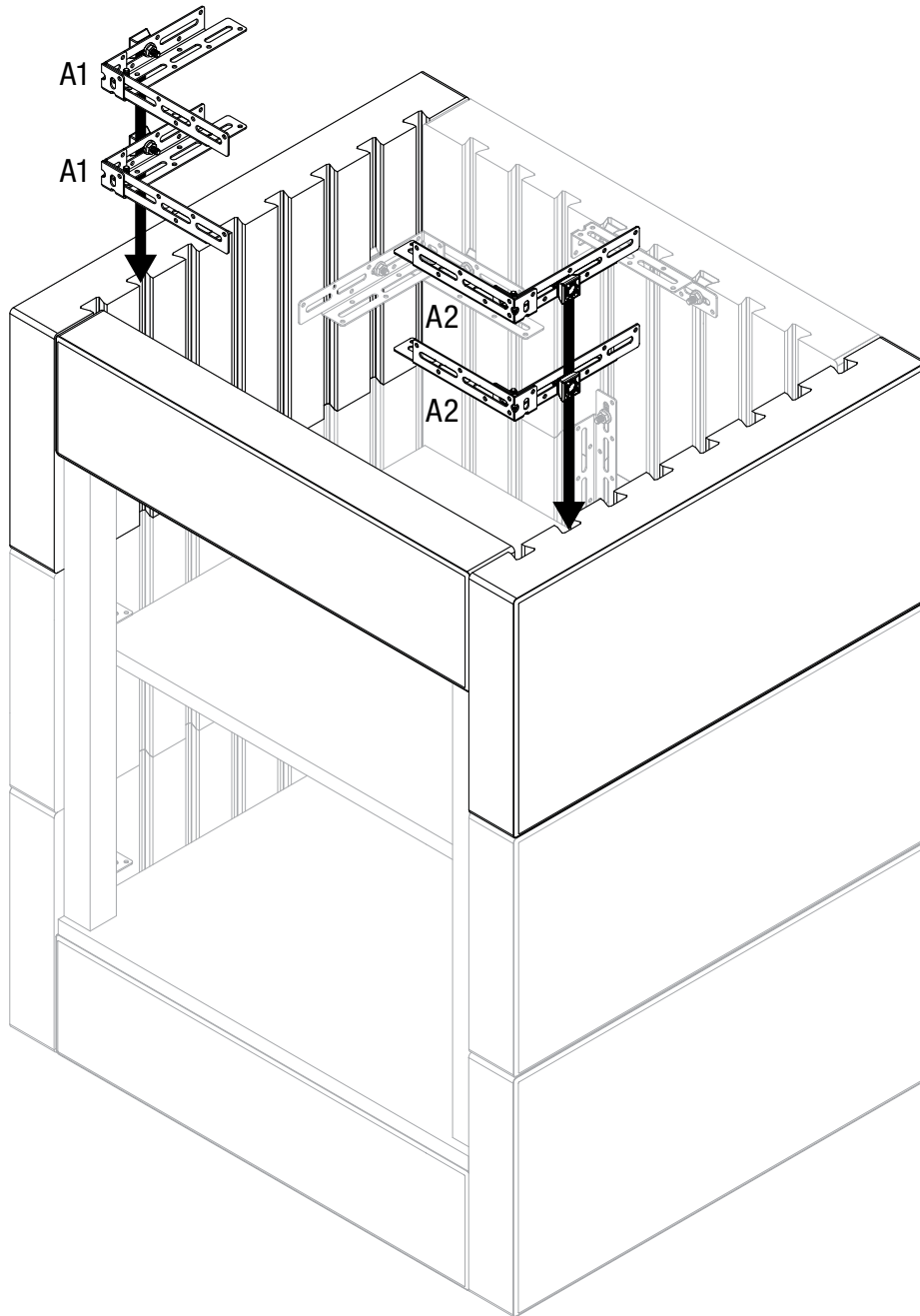
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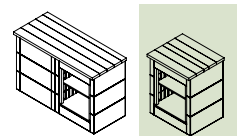
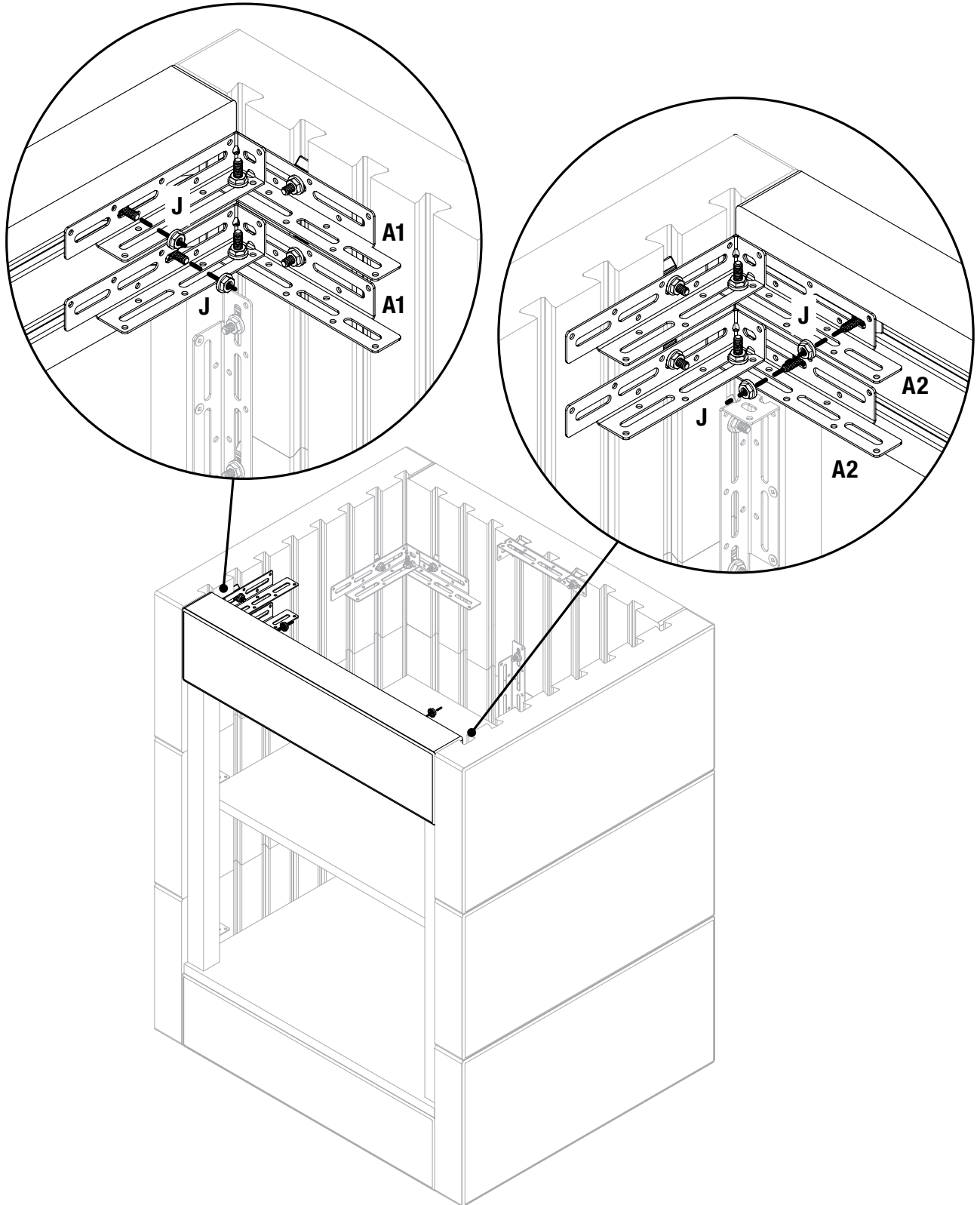
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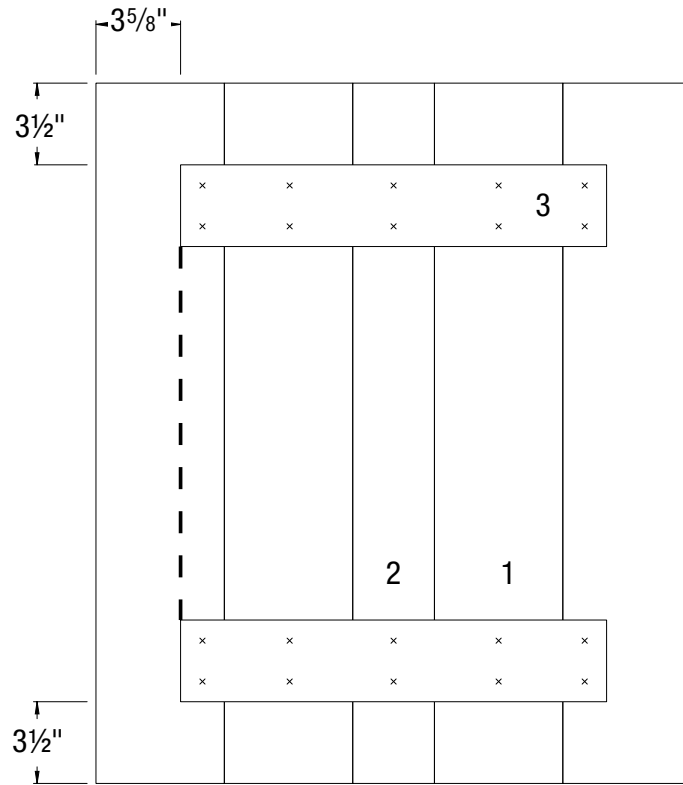
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28

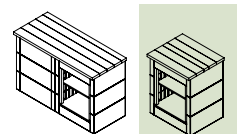
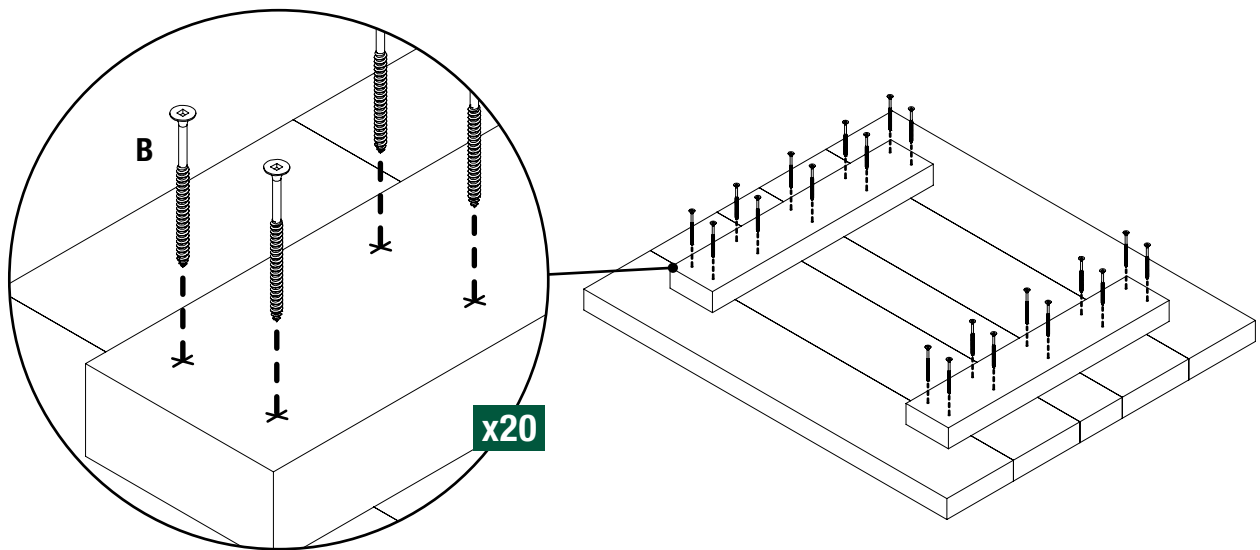


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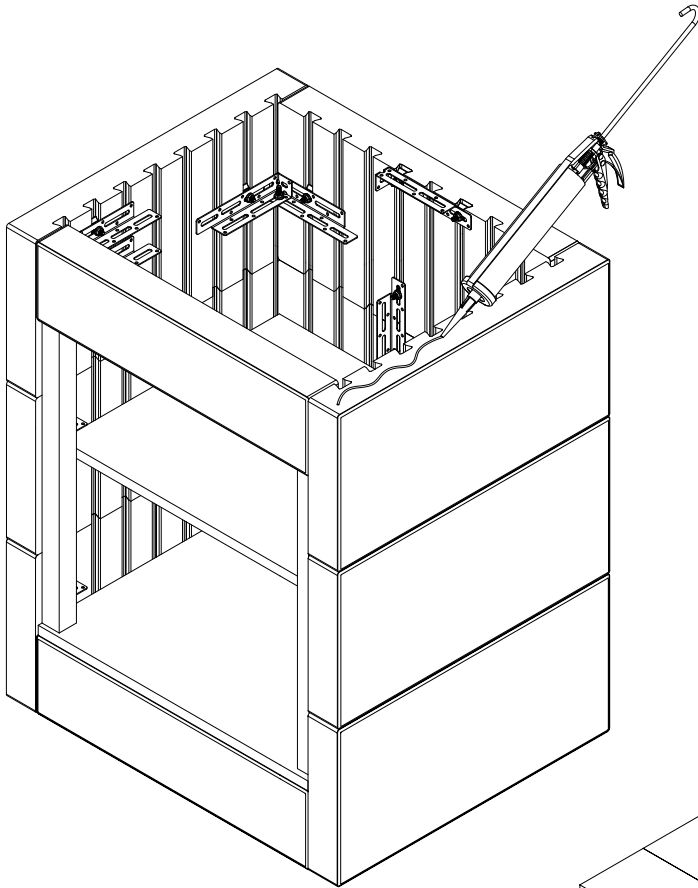


Center 2" x 4" between sides when constructing top

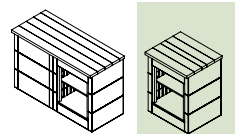
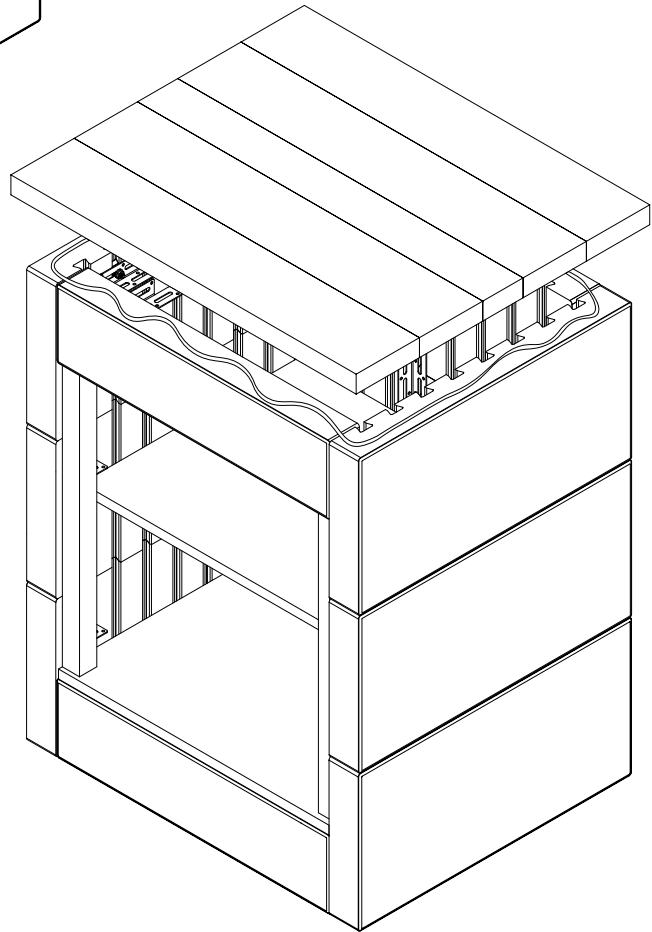
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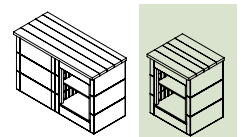
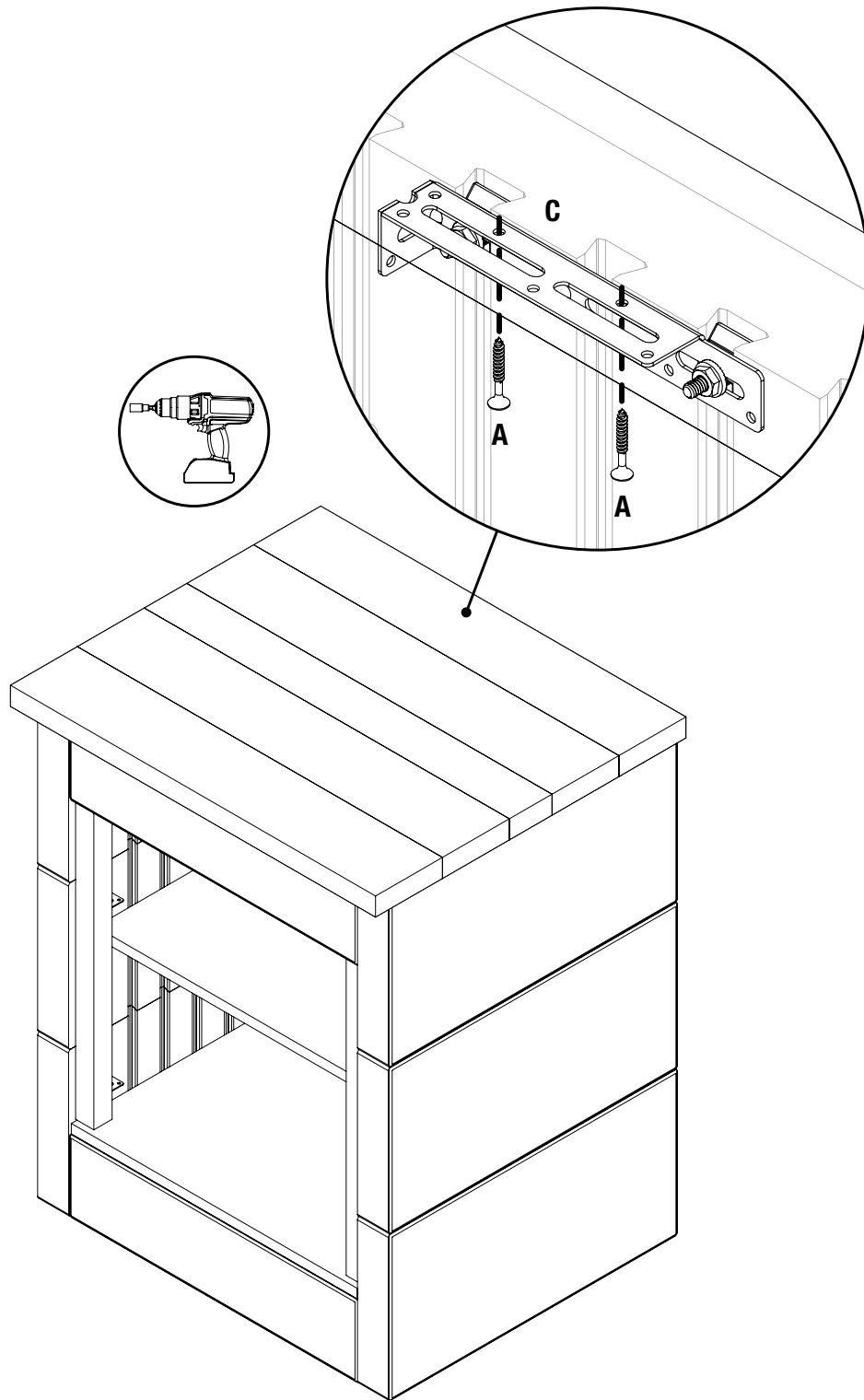
31



32



33



# DESIGNFORMS™

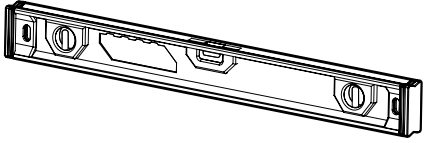
6 ft Bench - Wood Top



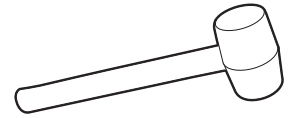
## REQUIRED TOOLS

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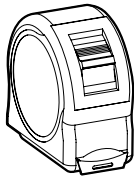
Level



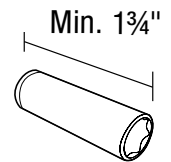
Rubber Mallet



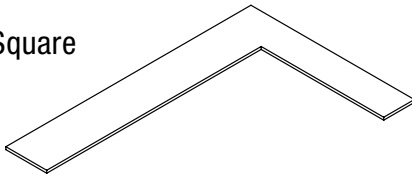
Measuring Tape



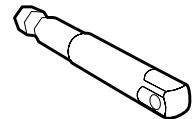
Deep Hex Socket  
7/16" with 1/4" Drive



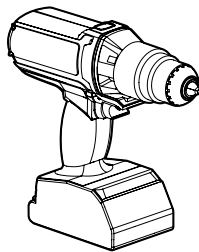
Carpenter Square



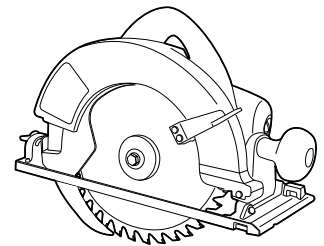
Socket Adaptor  
1/4" Hex Shank to 1/4" Drive



Drill



Skill Saw



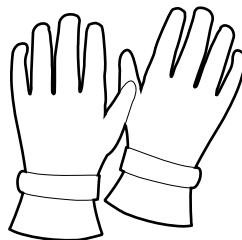
## SAFETY EQUIPMENT

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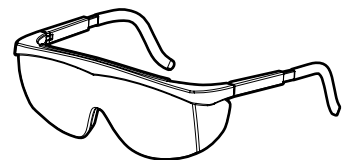
Safety Boots



Gloves



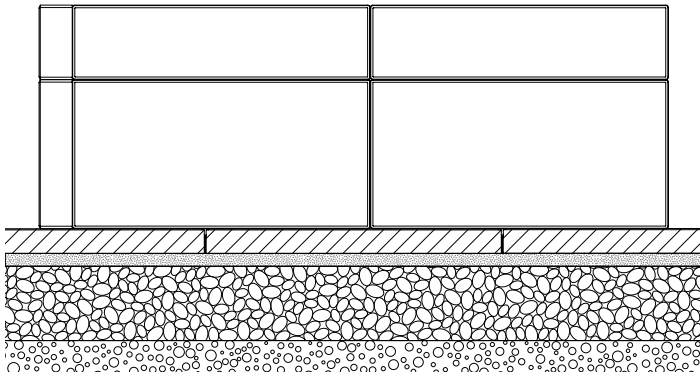
Safety Glasses



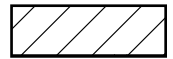
## BASE PREPARATION

*Always level ground before installation*

### On new or existing patio



Slab or Paver



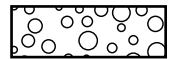
Bedding Sand 1"



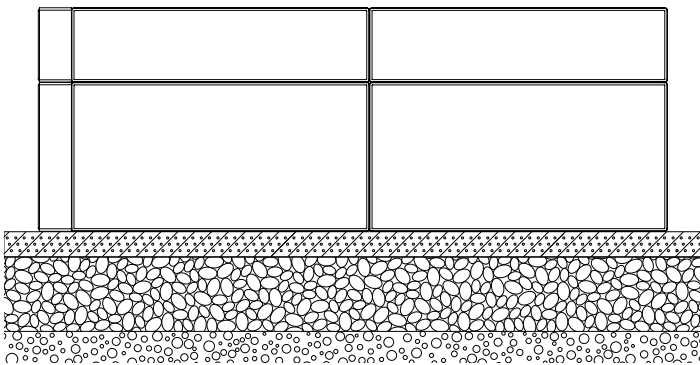
Compacted aggregates 6" - 8"



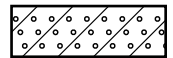
Soil



### On poured concrete



Reinforced Poured Concrete Foundation 2"



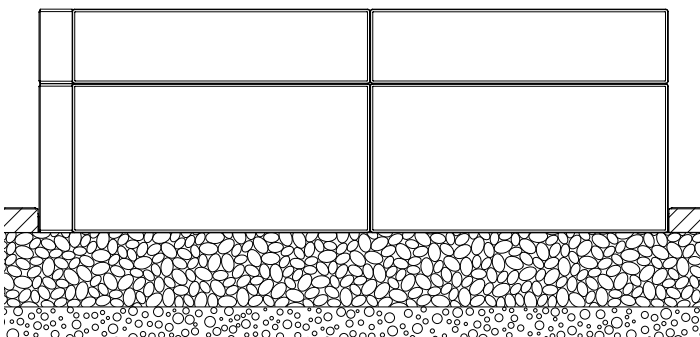
Compacted aggregates 6" - 8"



Soil



### On compacted foundation



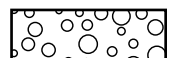
Slab or Paver



Compacted aggregates 6" - 8"



Soil

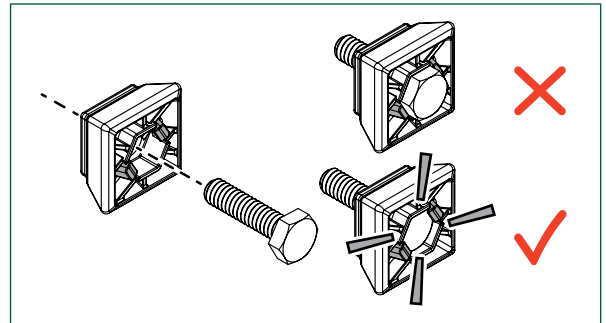


## TIPS & TRICKS

### *Read all instructions before assembly*

#### PREBUILD:

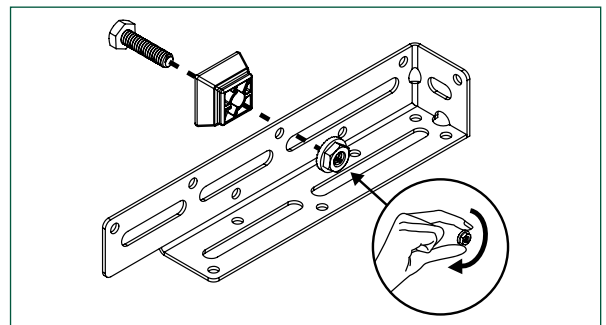
- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)



**Fig. A**

#### INSTALL:

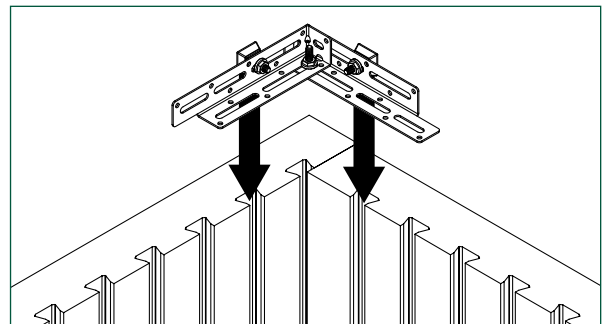
- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.



**Fig. B**

#### WHEN BUILDING WOODEN COMPONENTS:

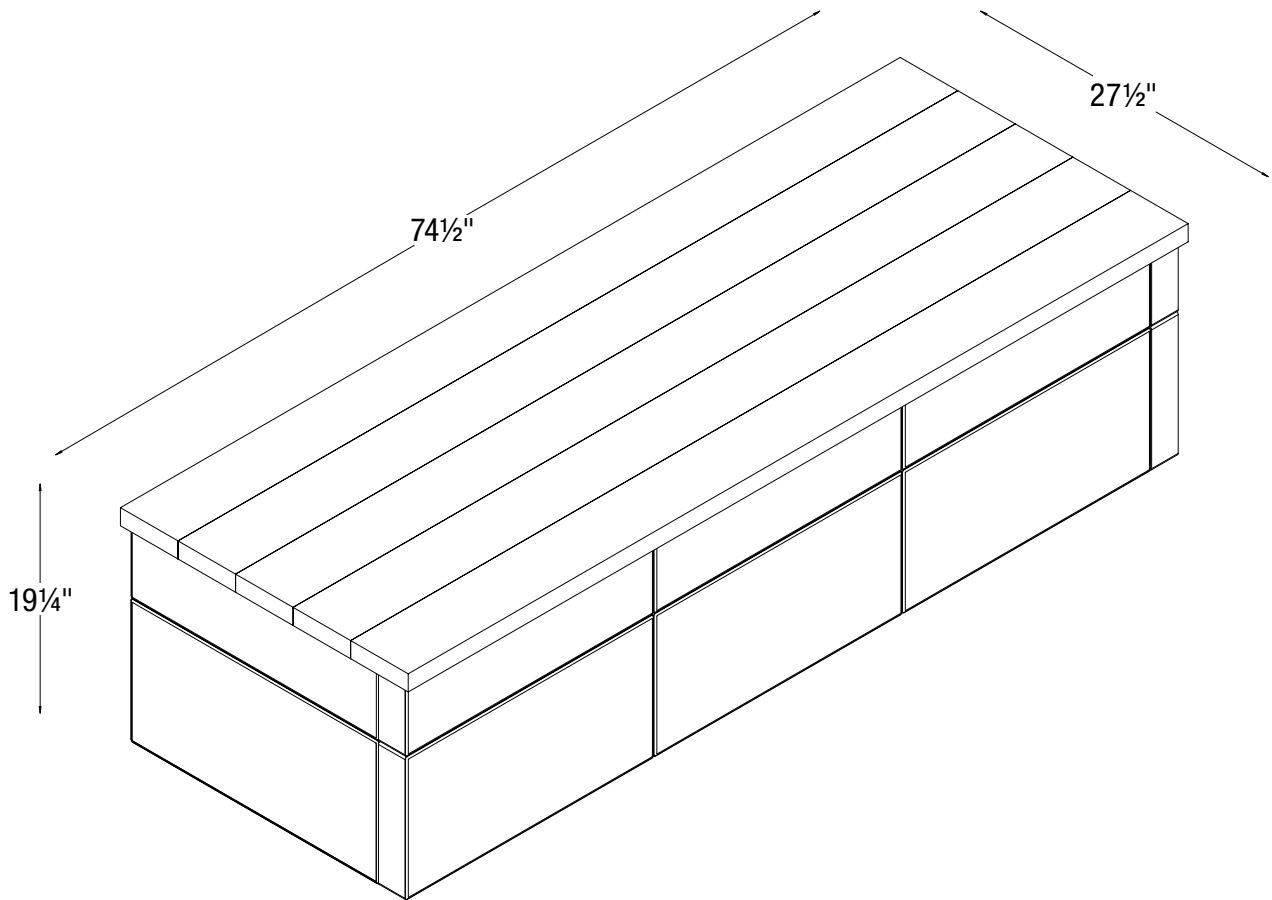
- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.



**Fig. C**

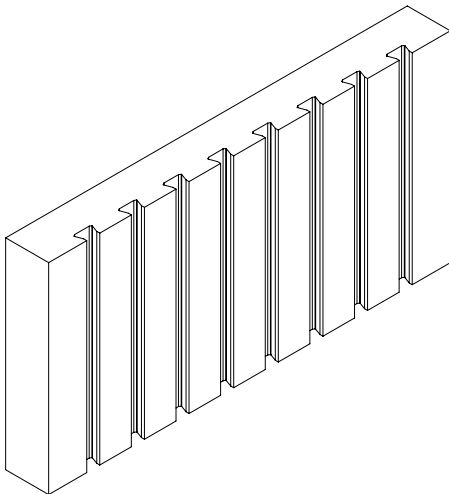
#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

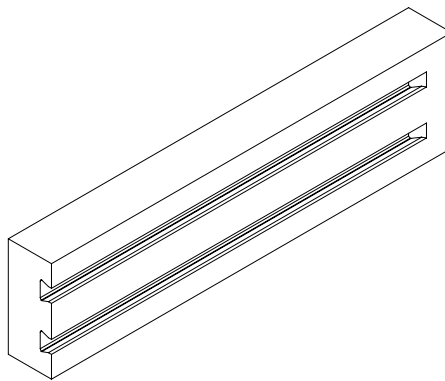


## COMPONENTS

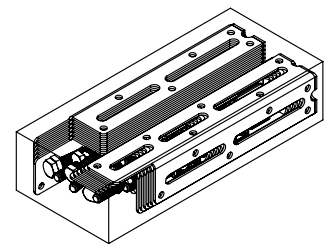
Large Panel (x8)  
12" x 24"



Small Panel (x8)  
6" x 24"



Hardware Kit (x3)



**BRACKET A** x4

x2    x3    x1    x3    x2

1    2

**BRACKET B** x4

x2    x1    x1    x1

1    2

**BRACKET C** x4

x1    x2    x2    x2

1

**BRACKET H** x12

**ASSEMBLY I** x32

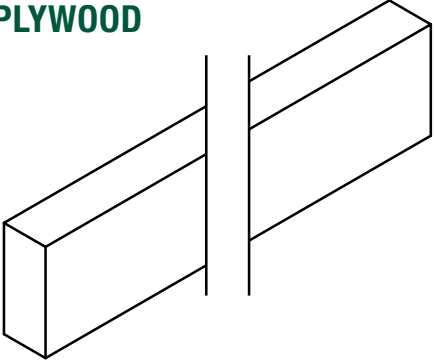
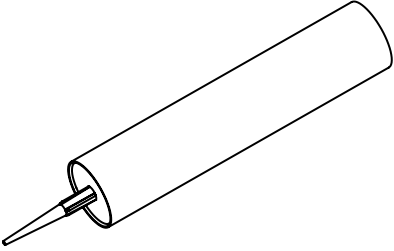
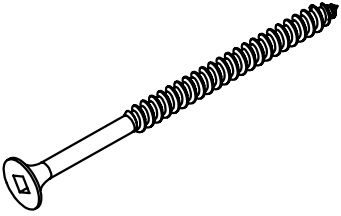
Use with BRACKETS B and H during build

x1    x1

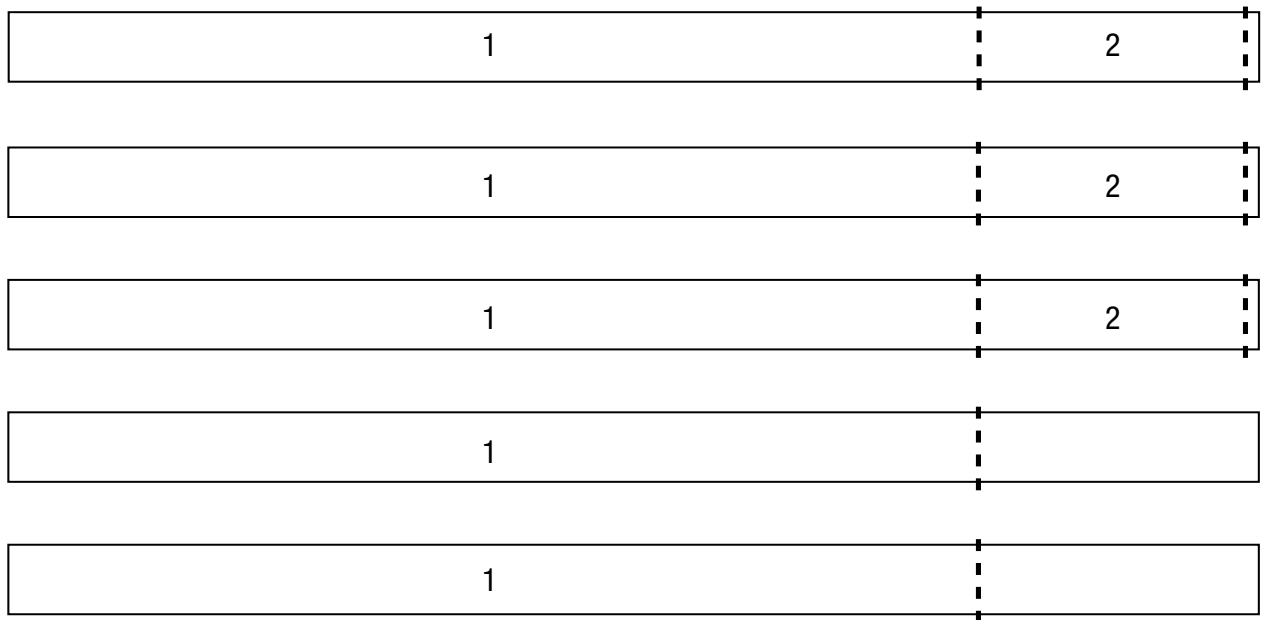
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**J** x32

ADDITIONAL WOOD TOP COMPONENTS

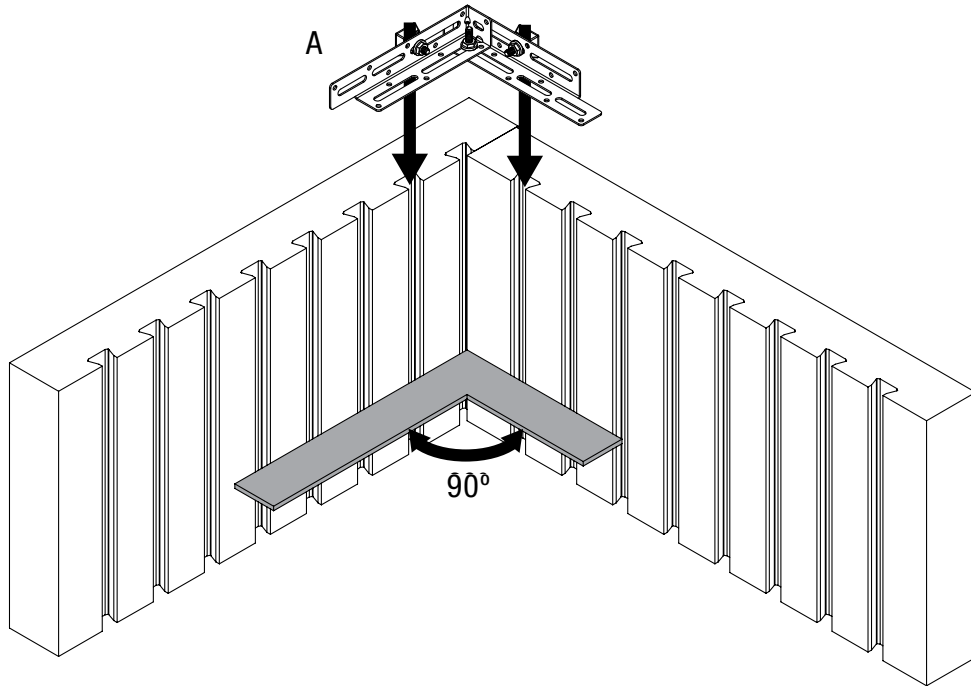
<p><b>2" x 6" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p> 	<p><b>x5</b></p> <p><b>TECHNISEAL CONCRETE ADHESIVE</b></p> 	<p><b>x1</b></p> <p><b>#8 2½" DECK SCREW</b></p> 
--	--	--

WOOD CUTS

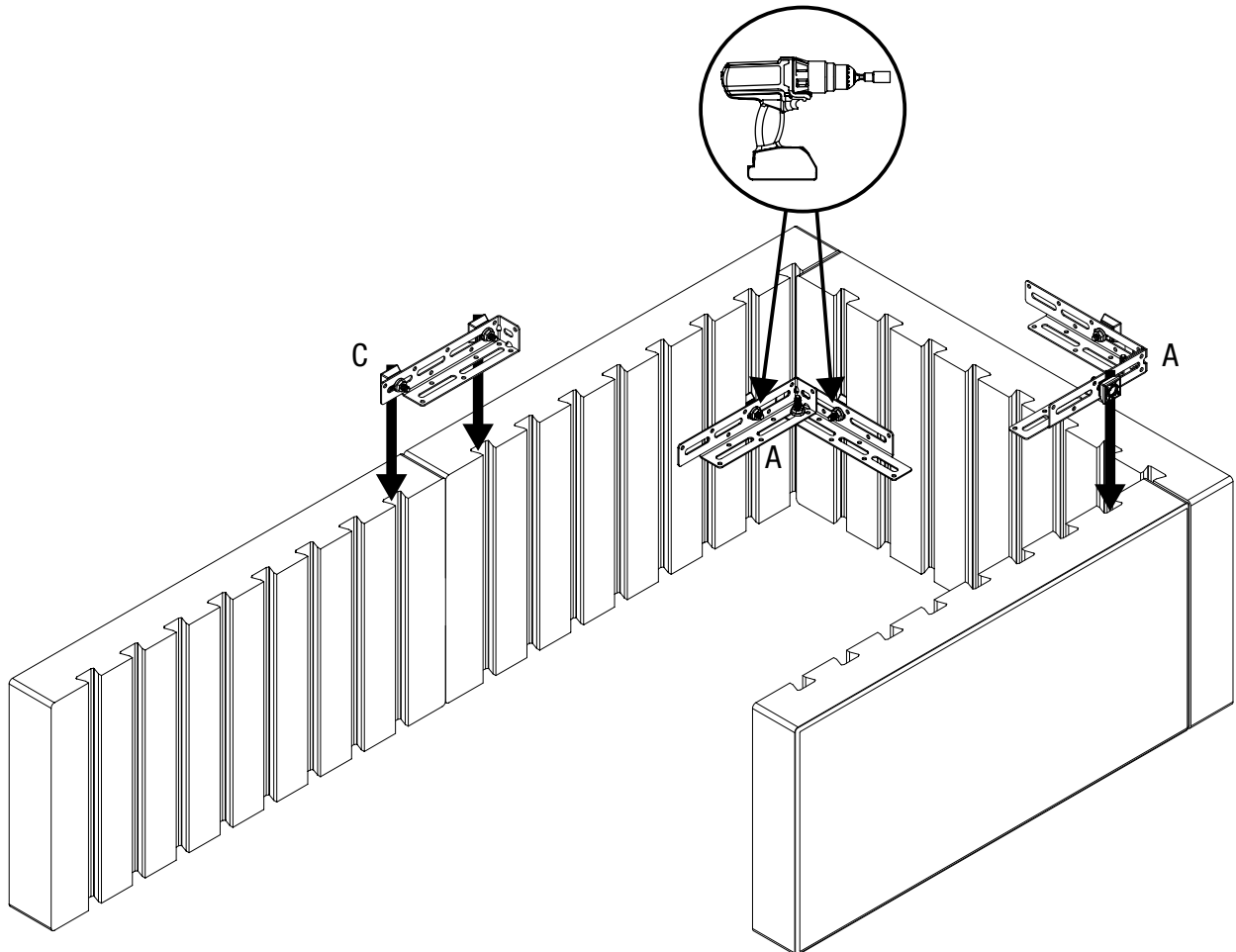


1 = 74½"    2 = 20½"

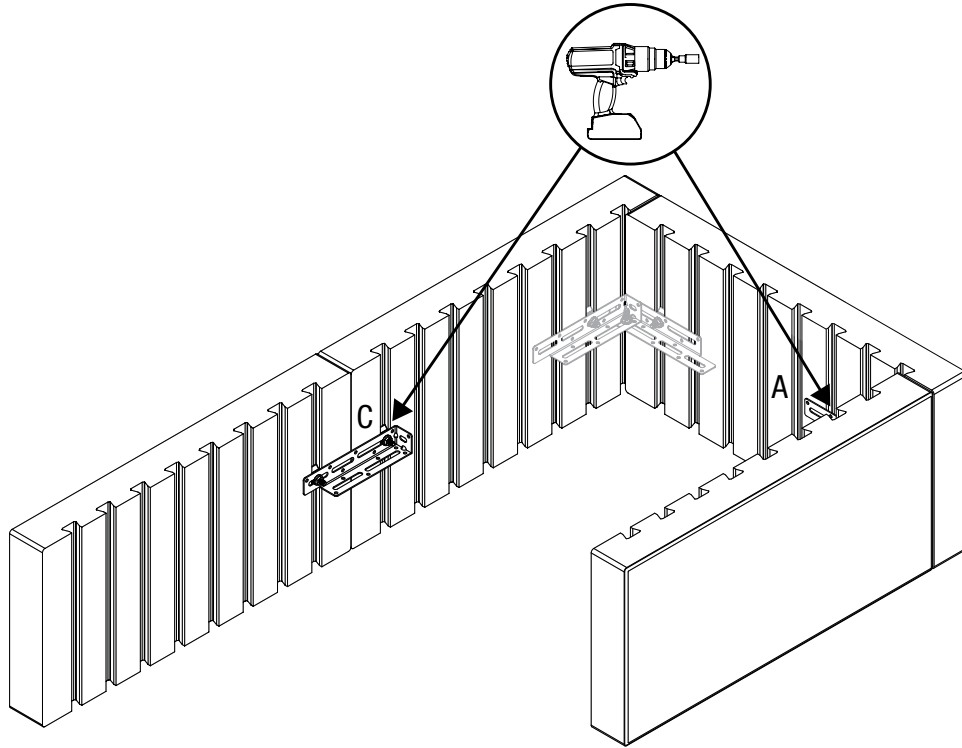
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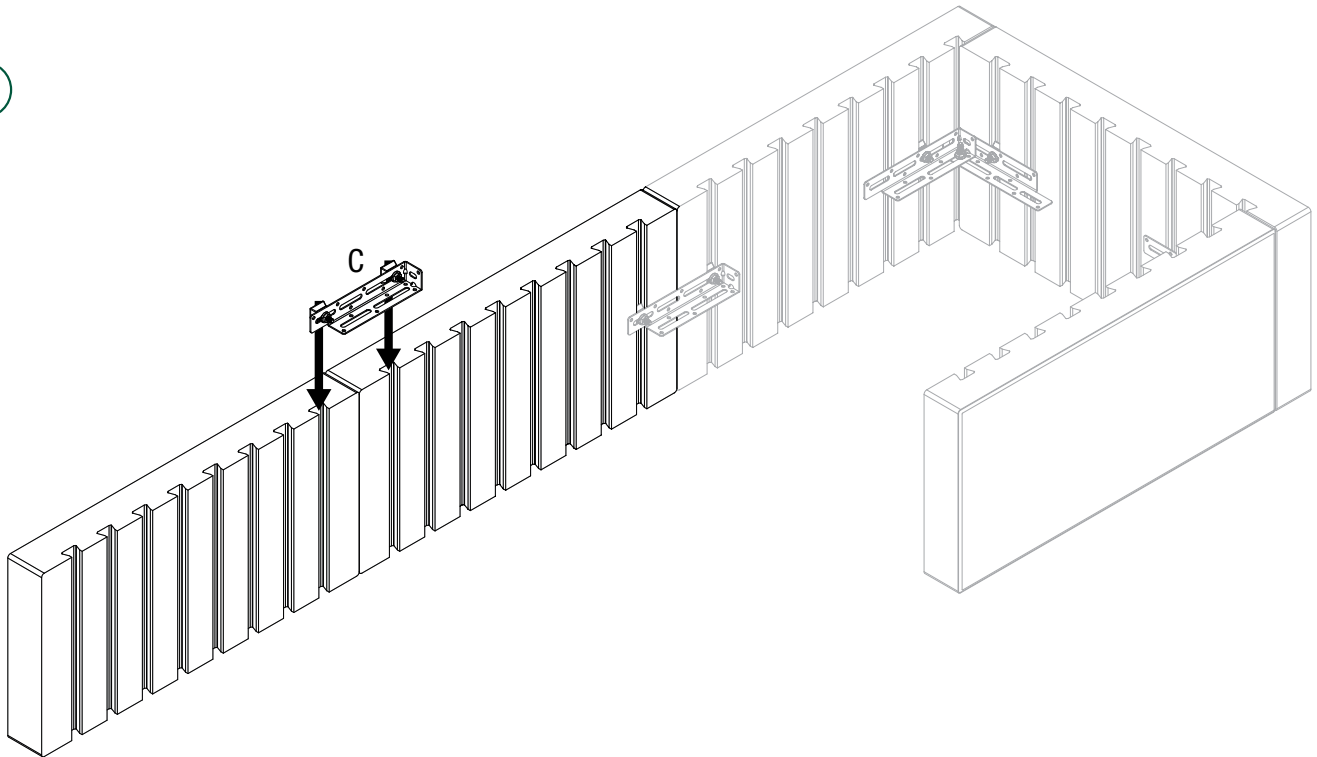
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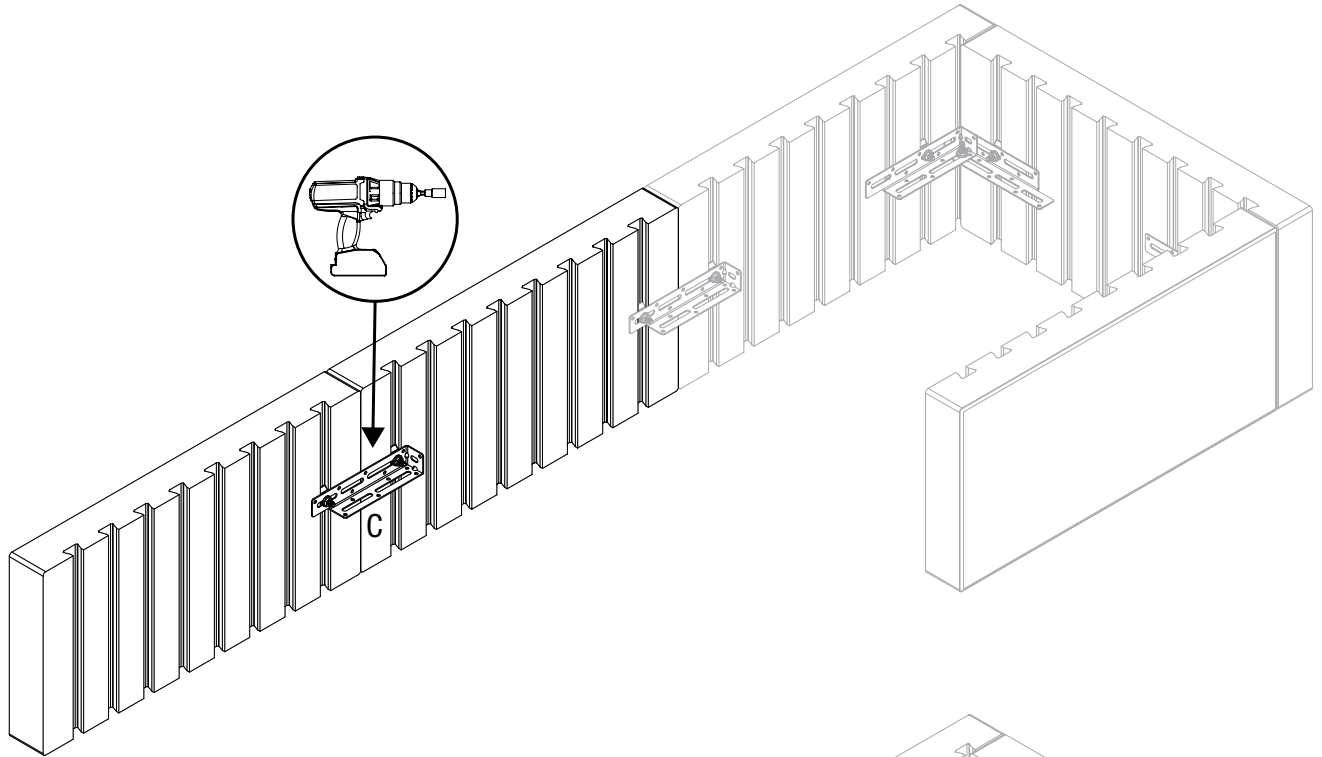
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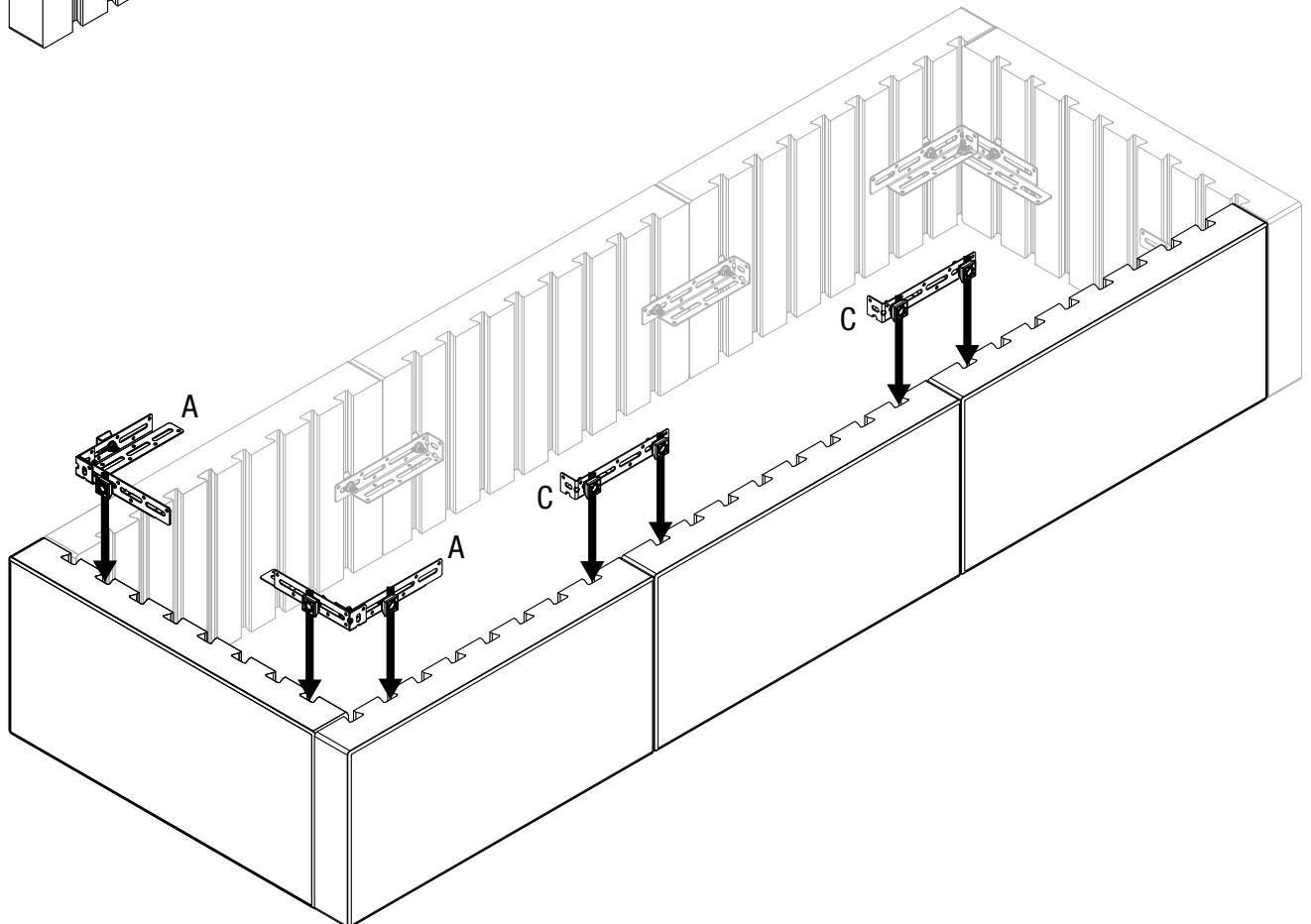
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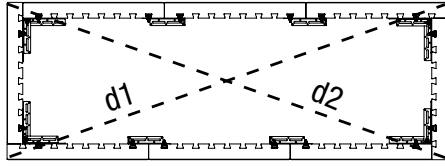
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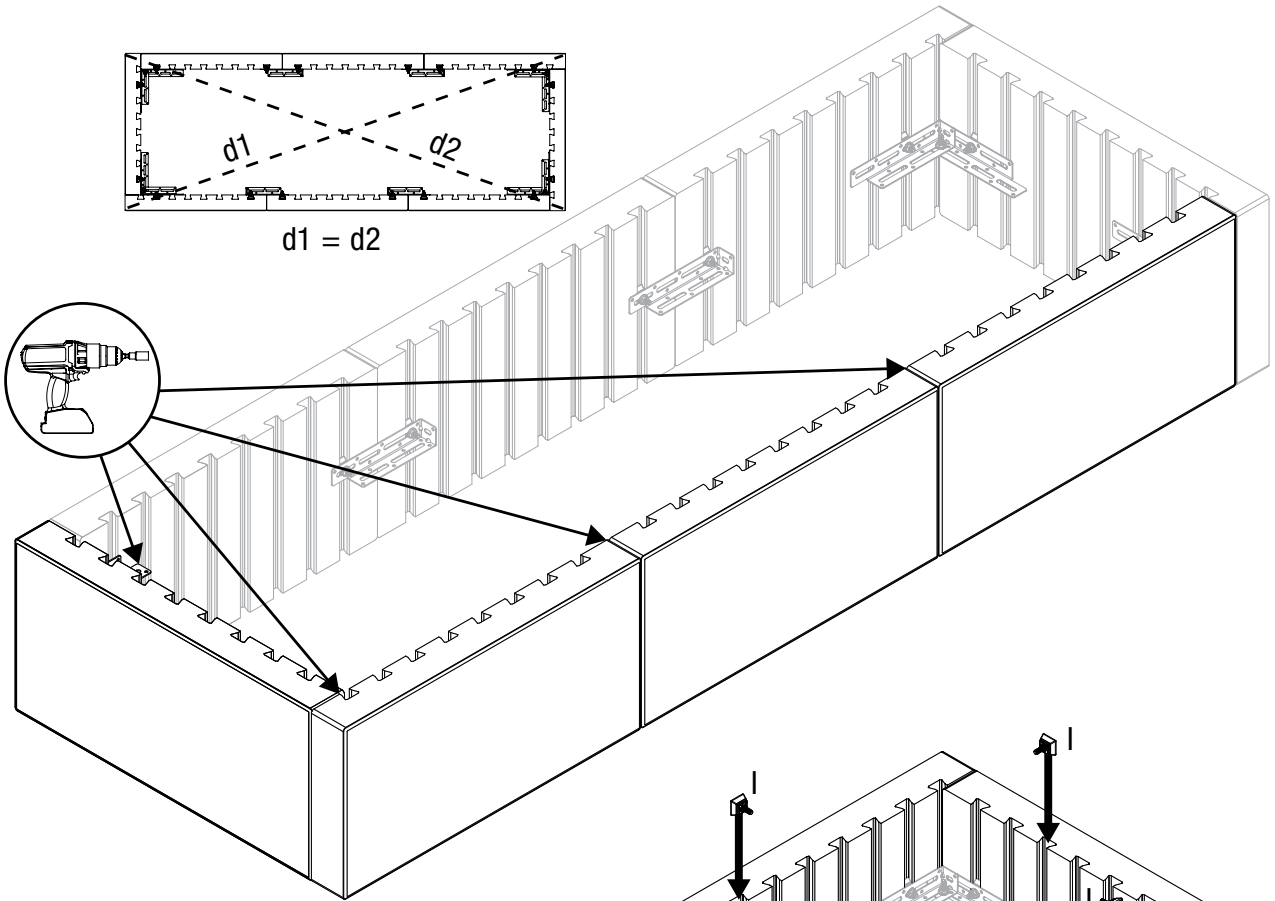
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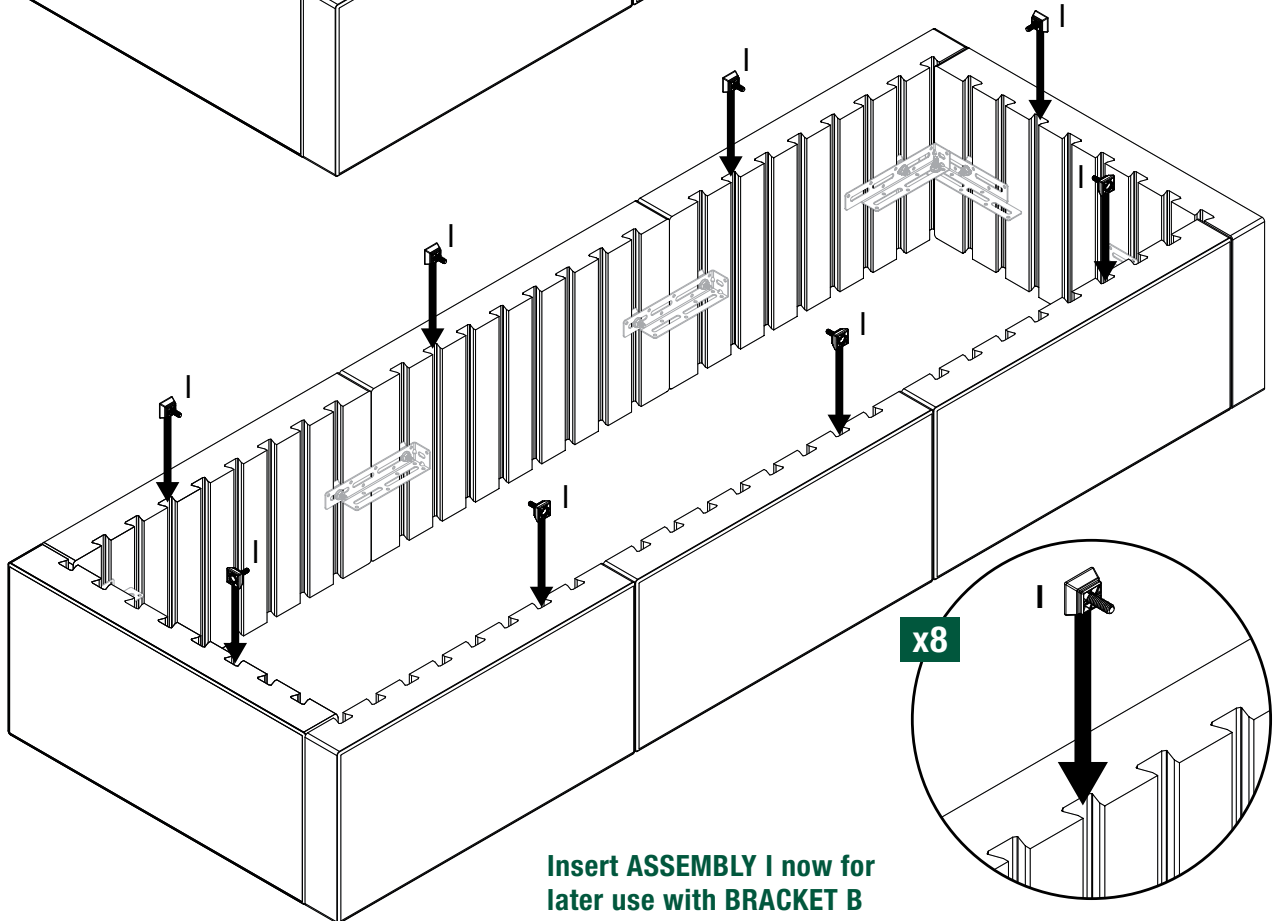
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$d1 = d2$



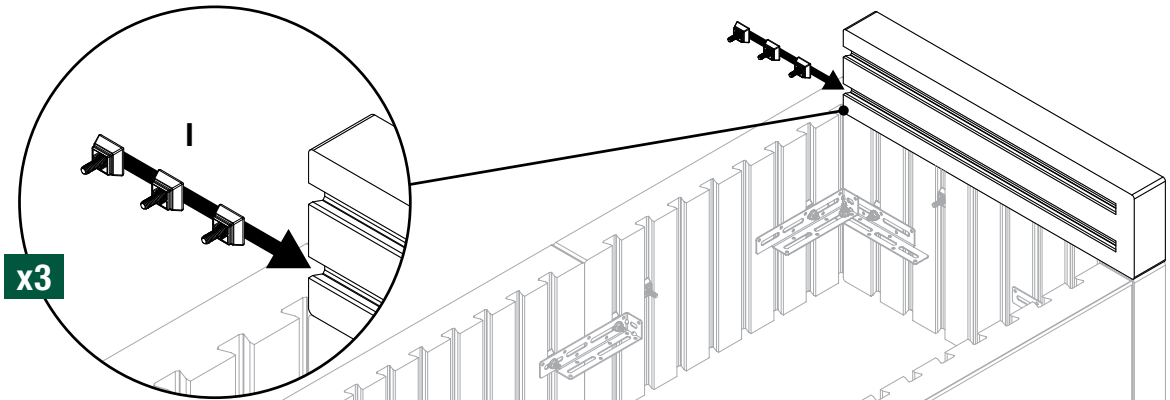
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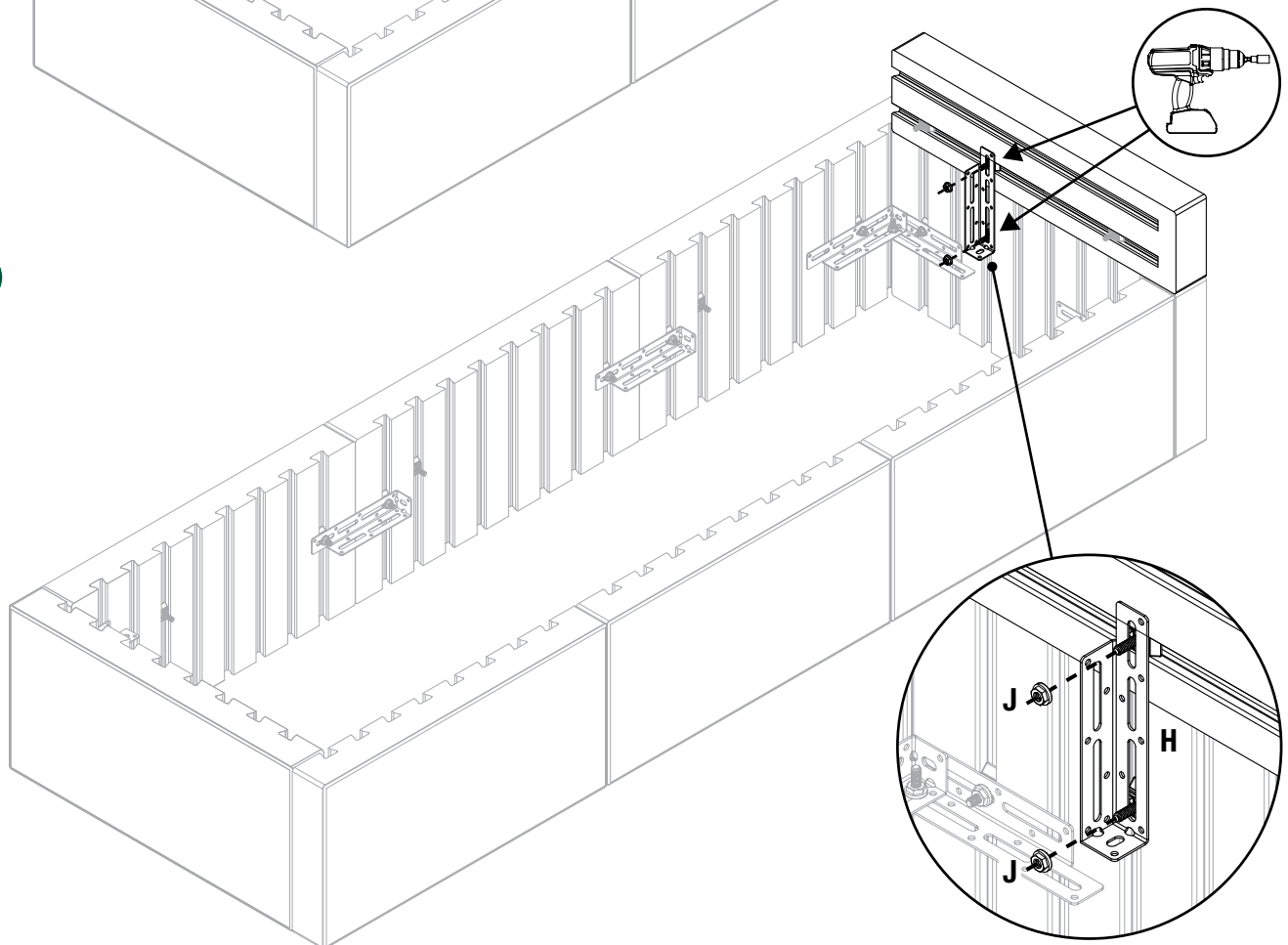
x8

Insert ASSEMBLY I now for later use with BRACKET B and BRACKET H

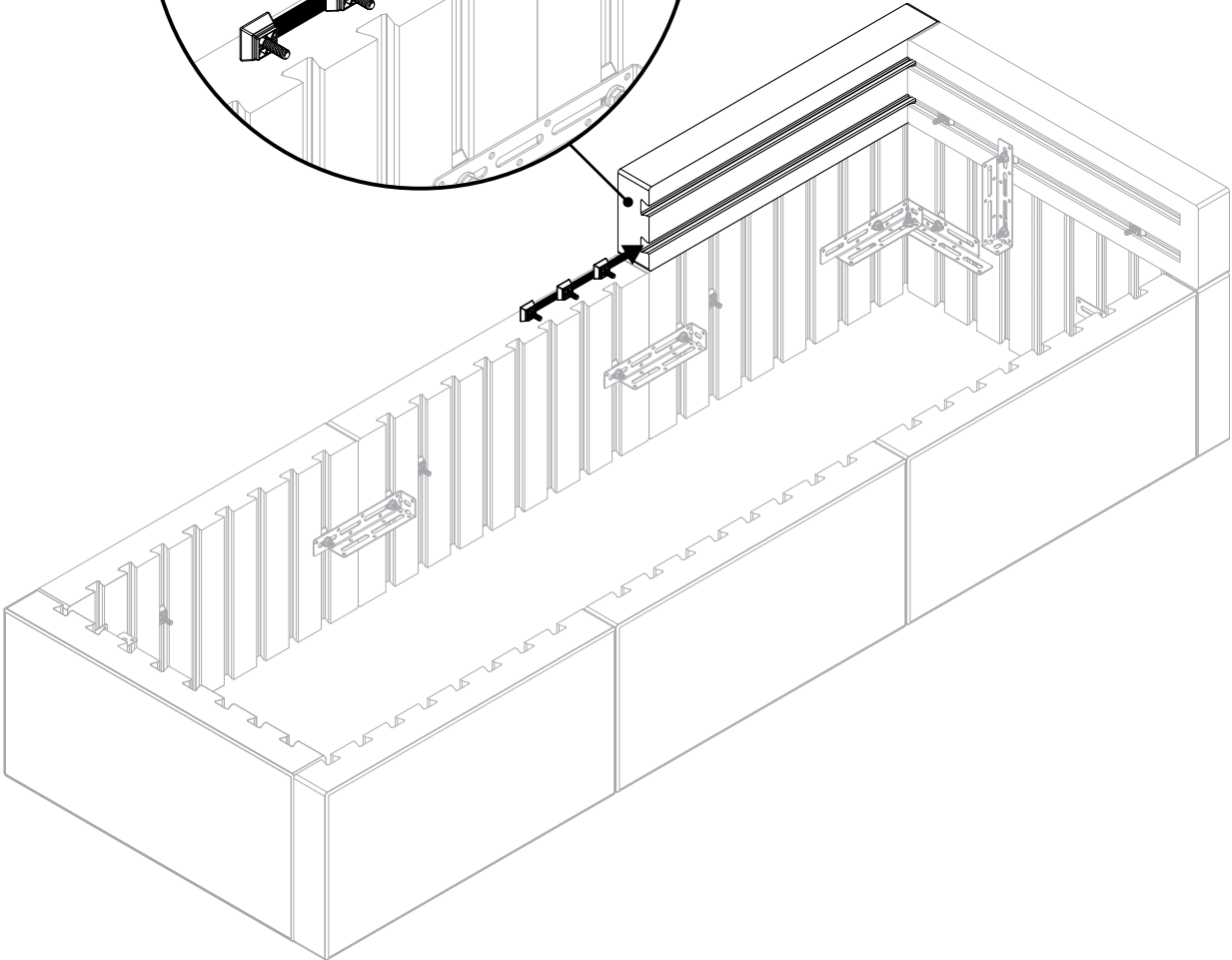
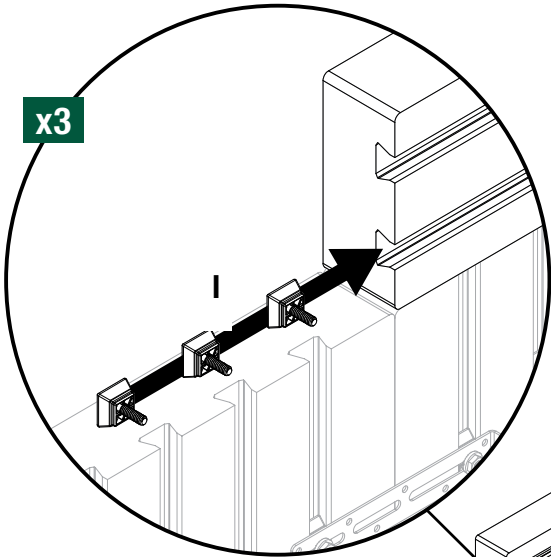
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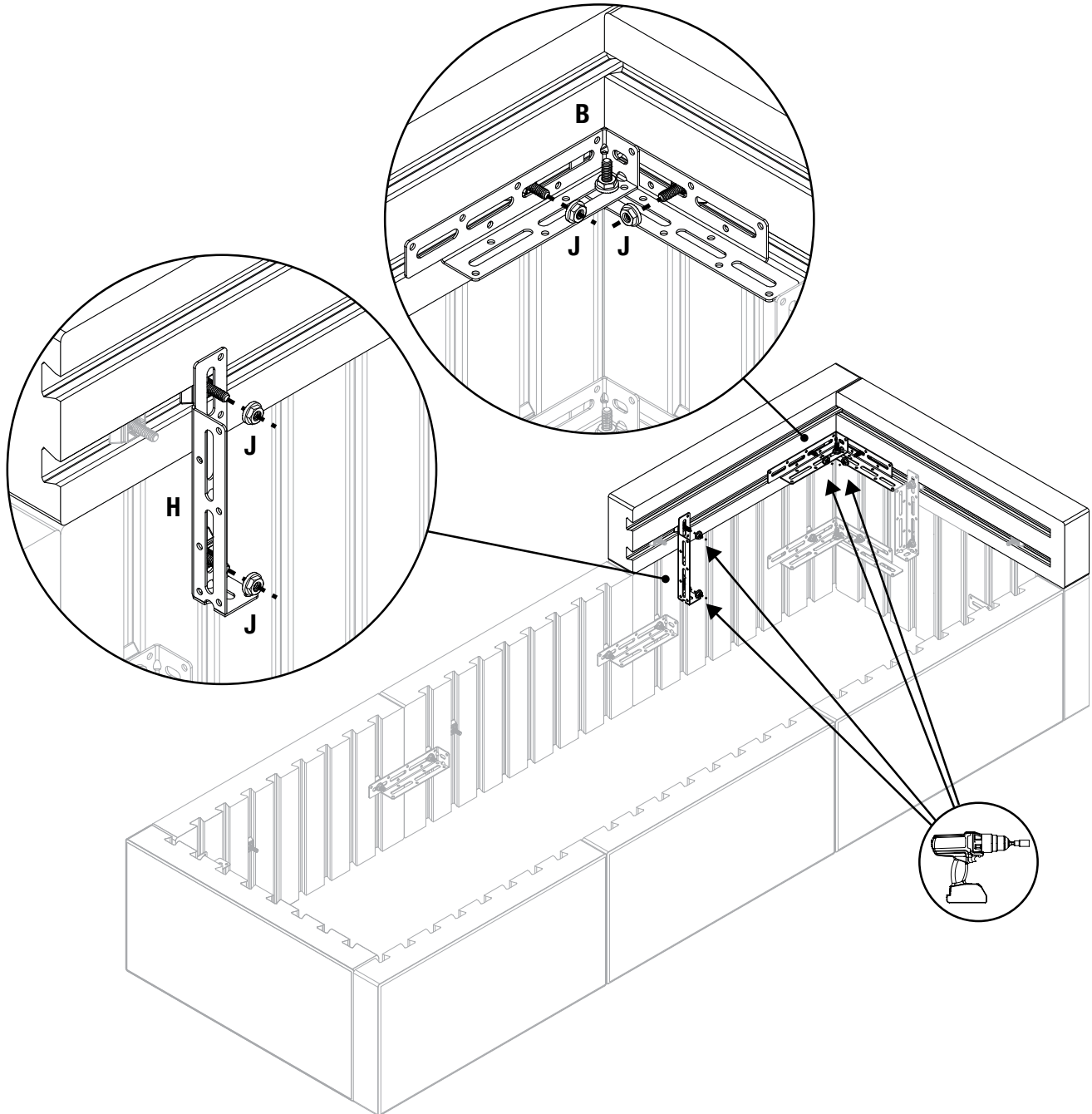
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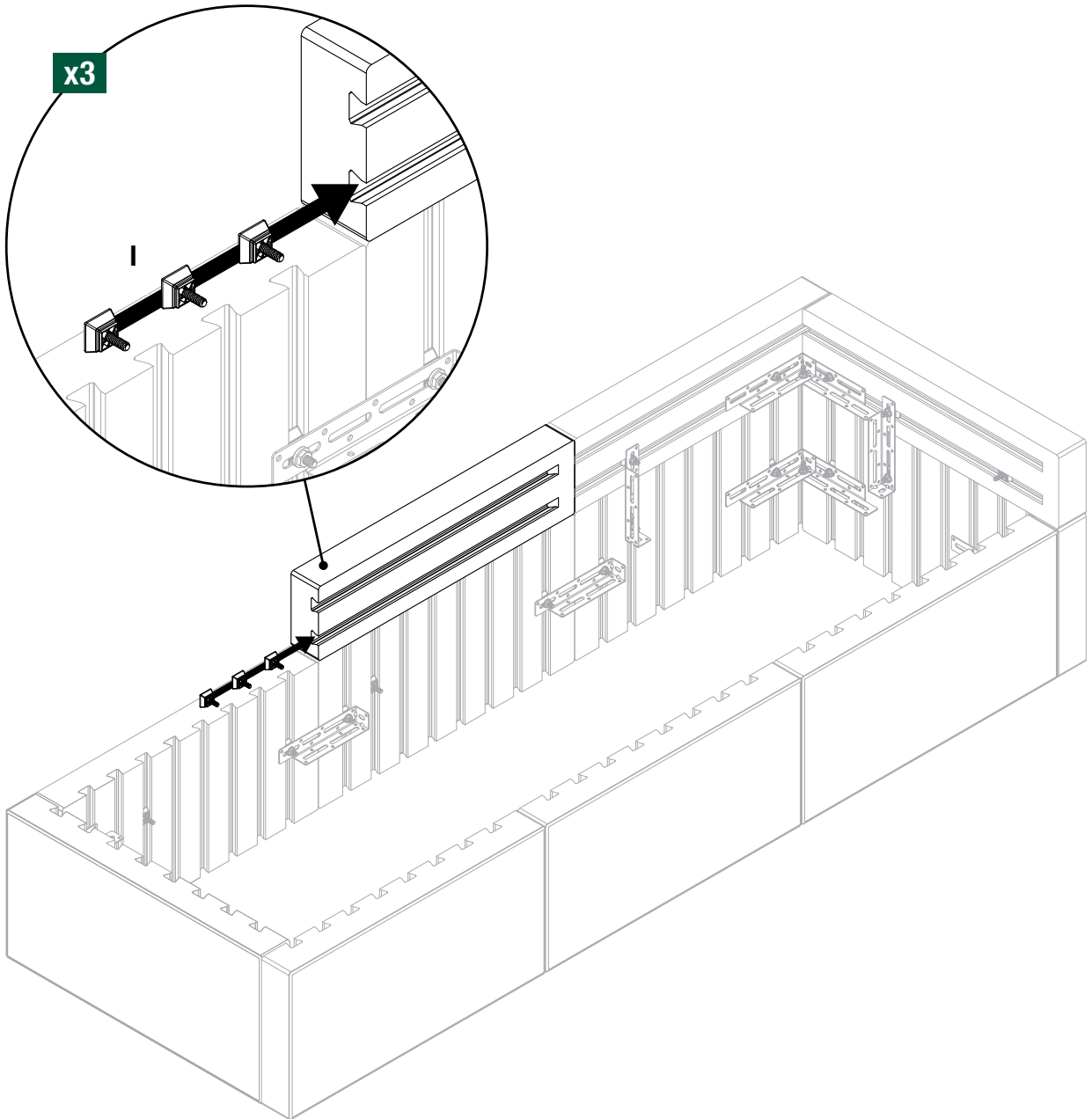
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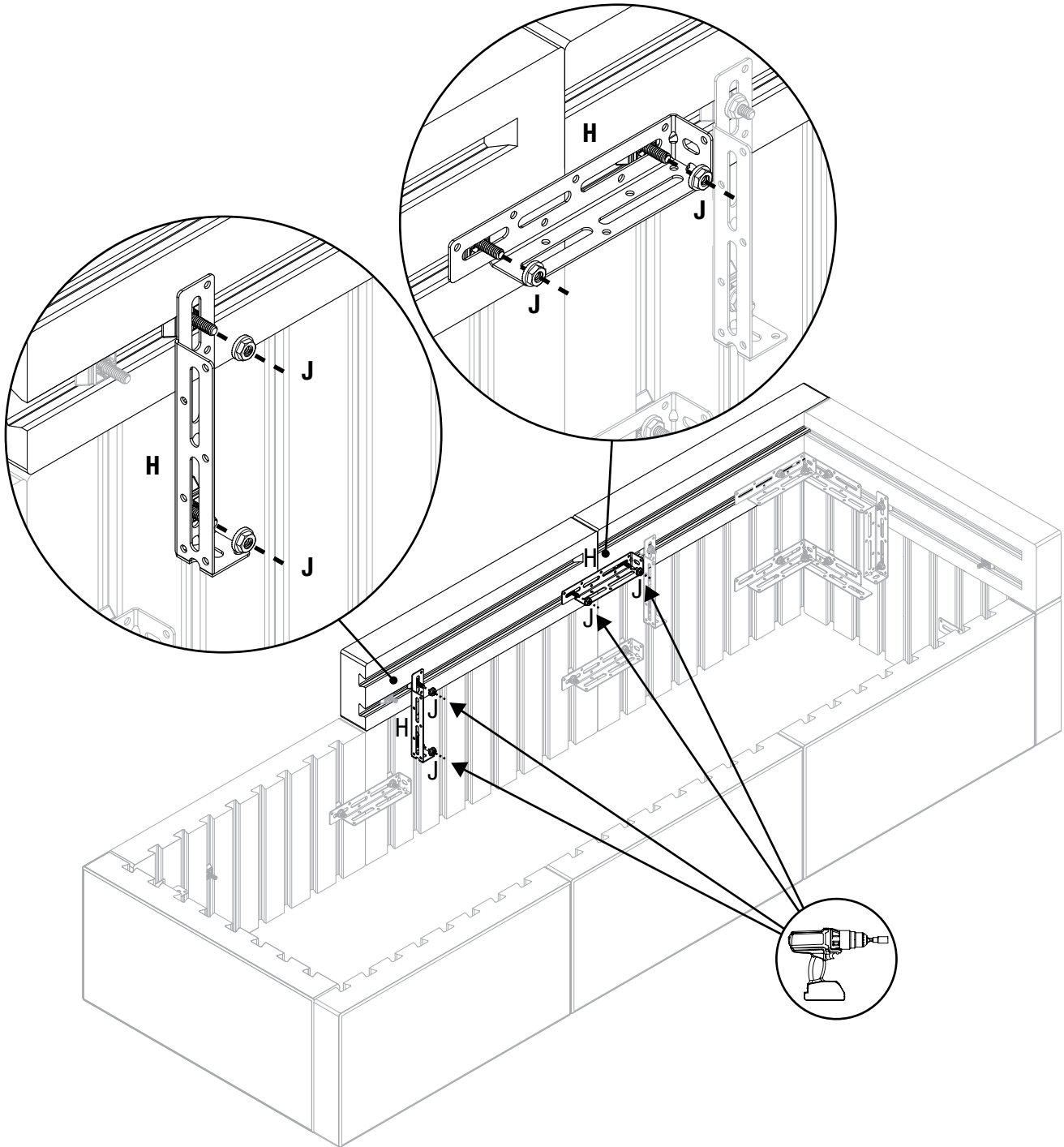
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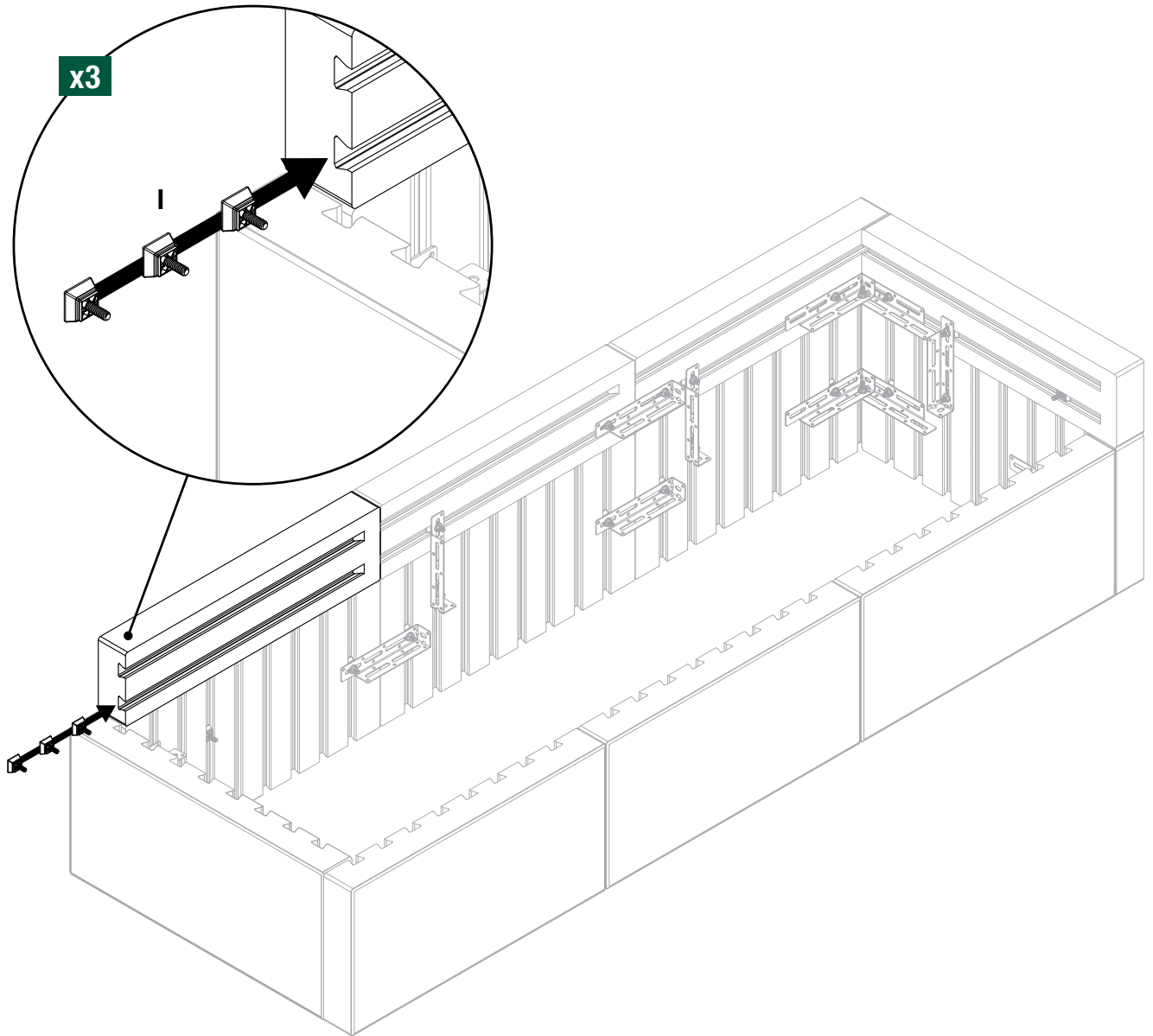
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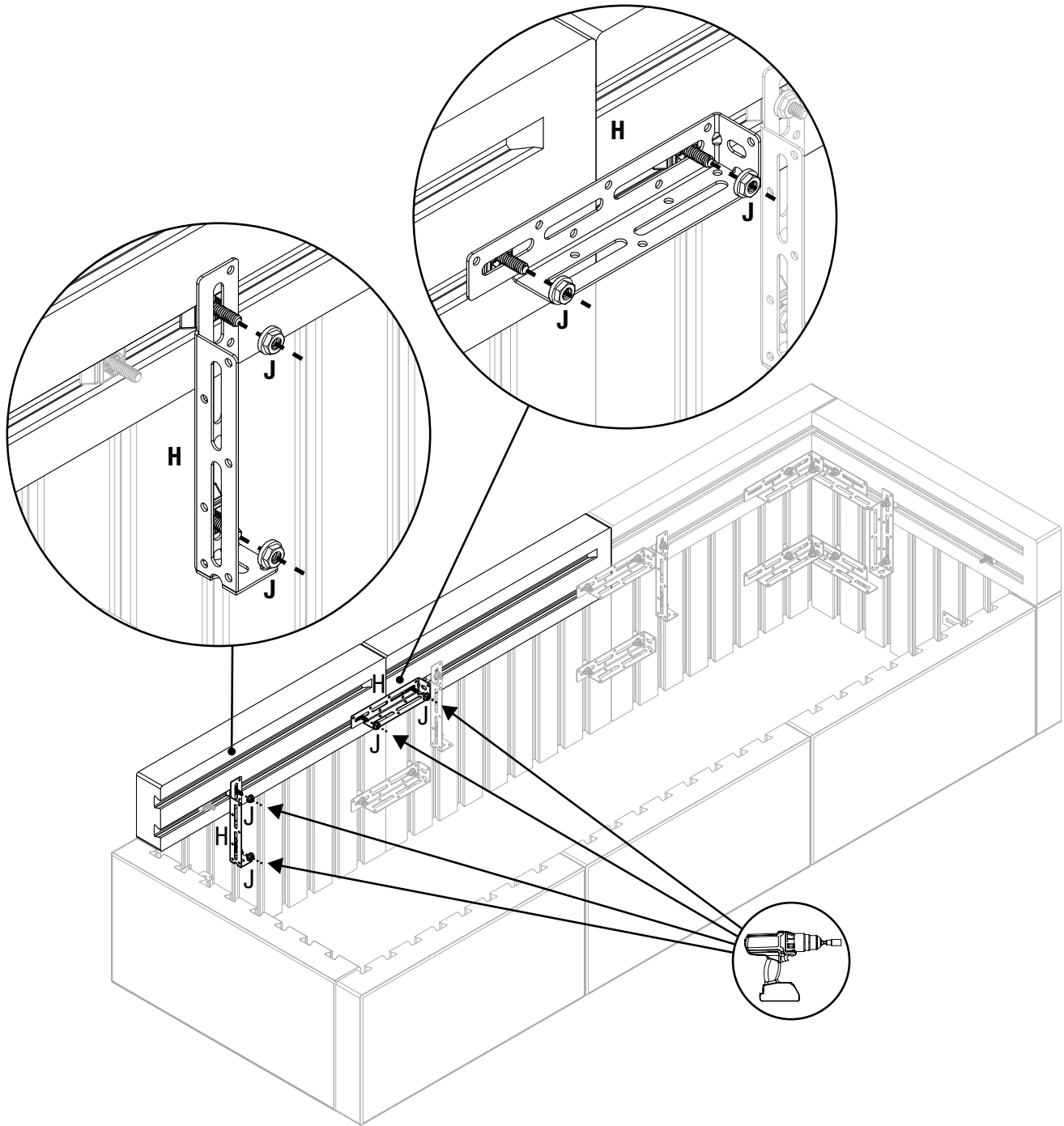
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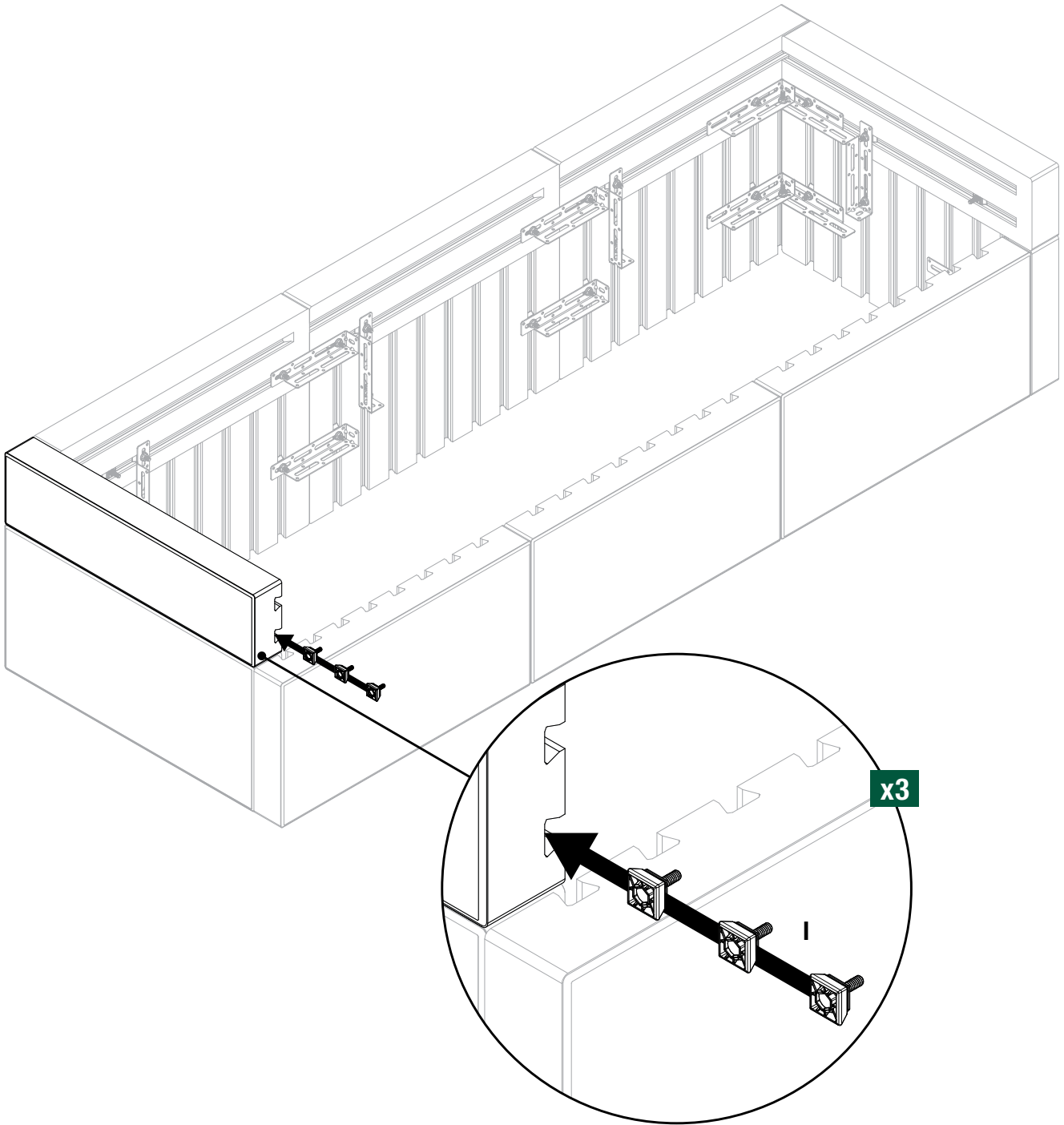
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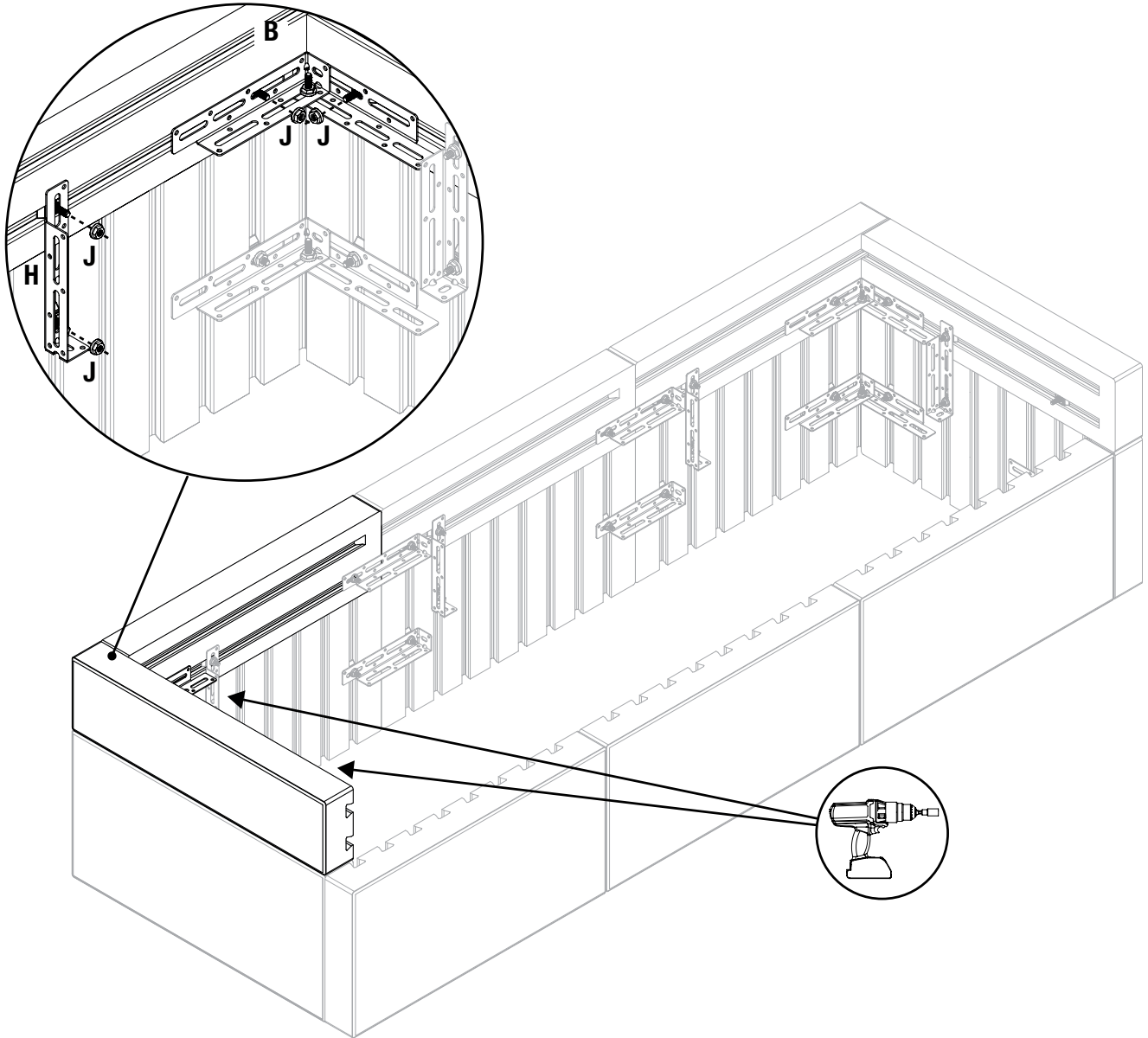
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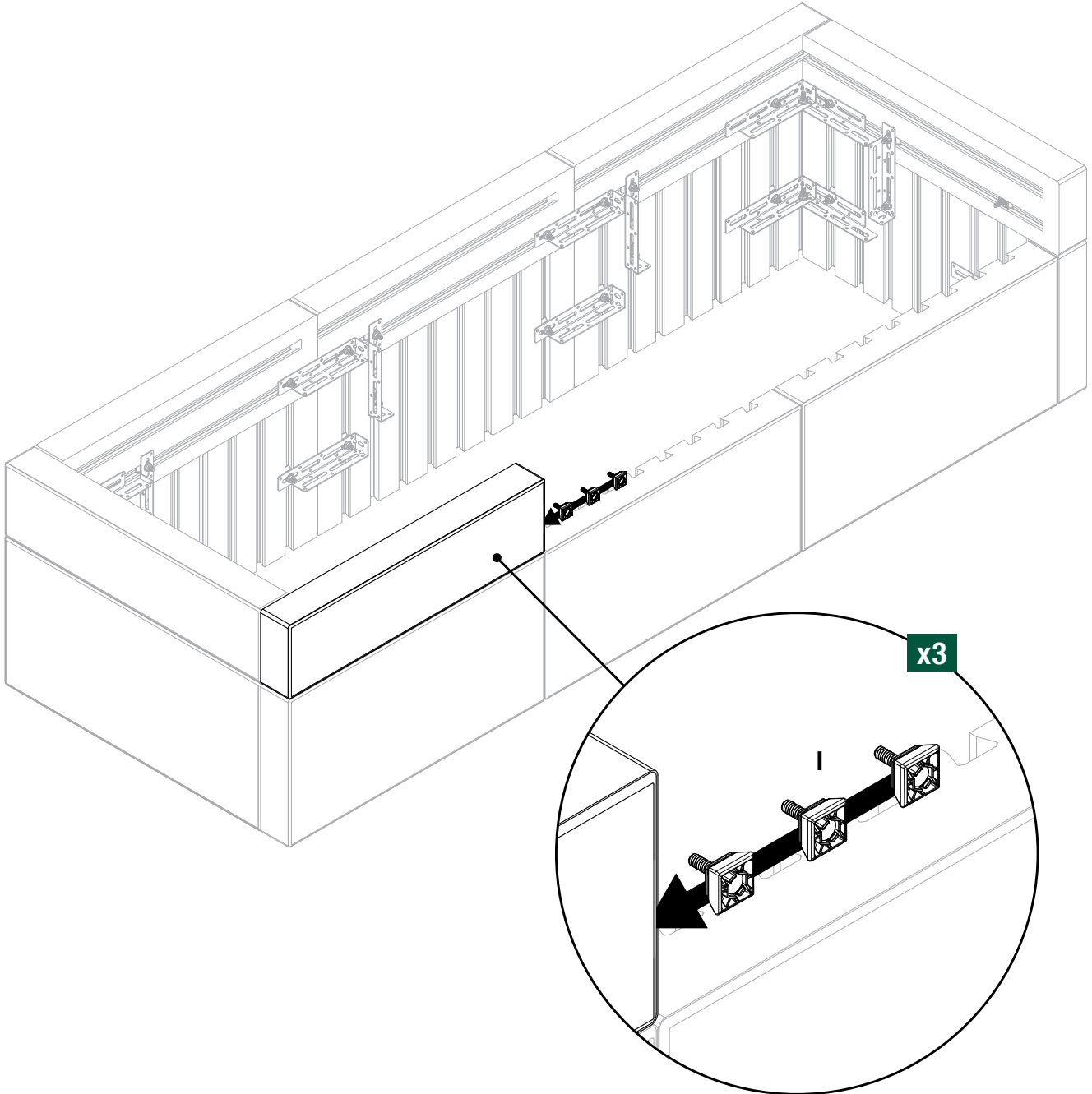
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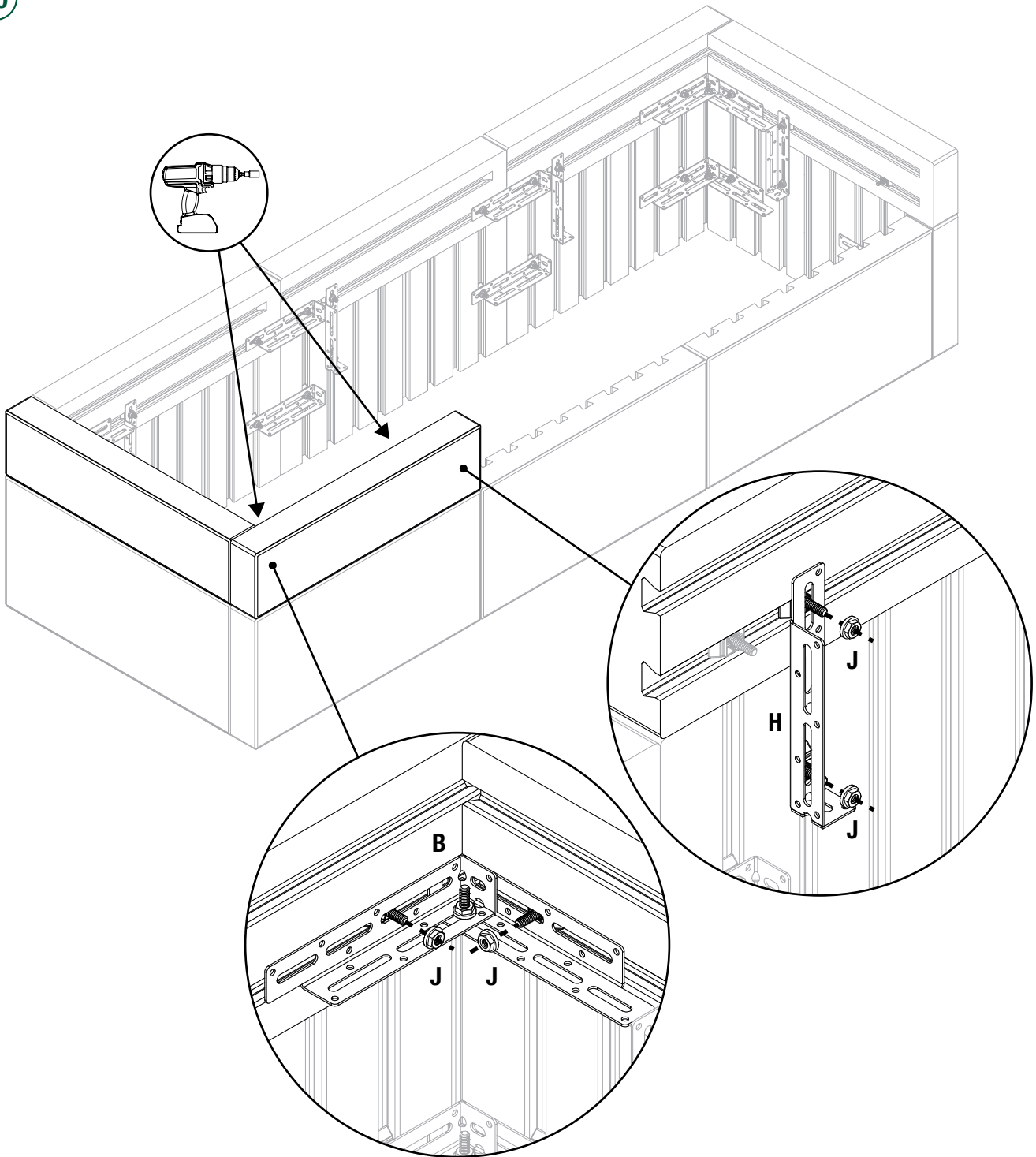
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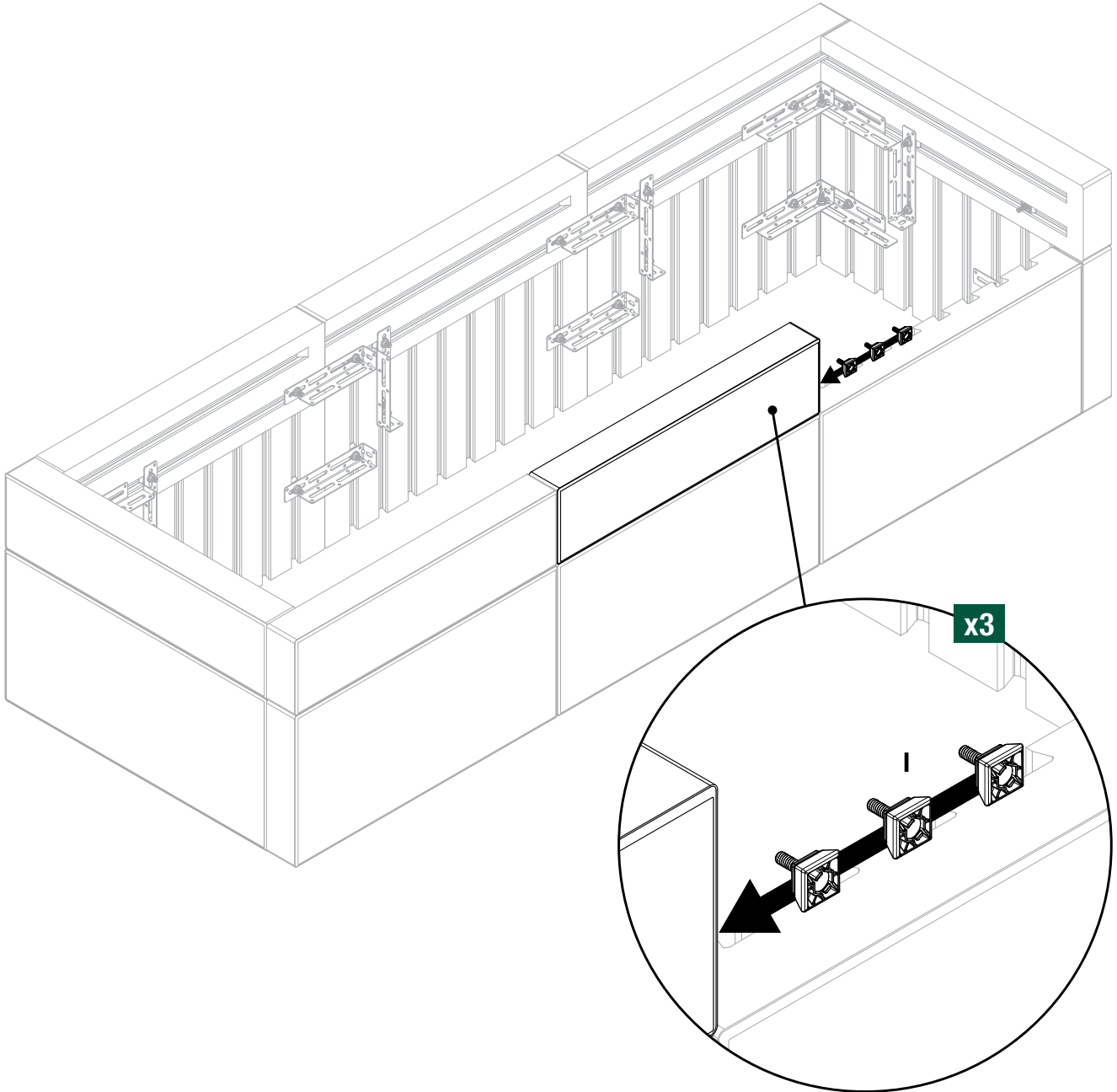
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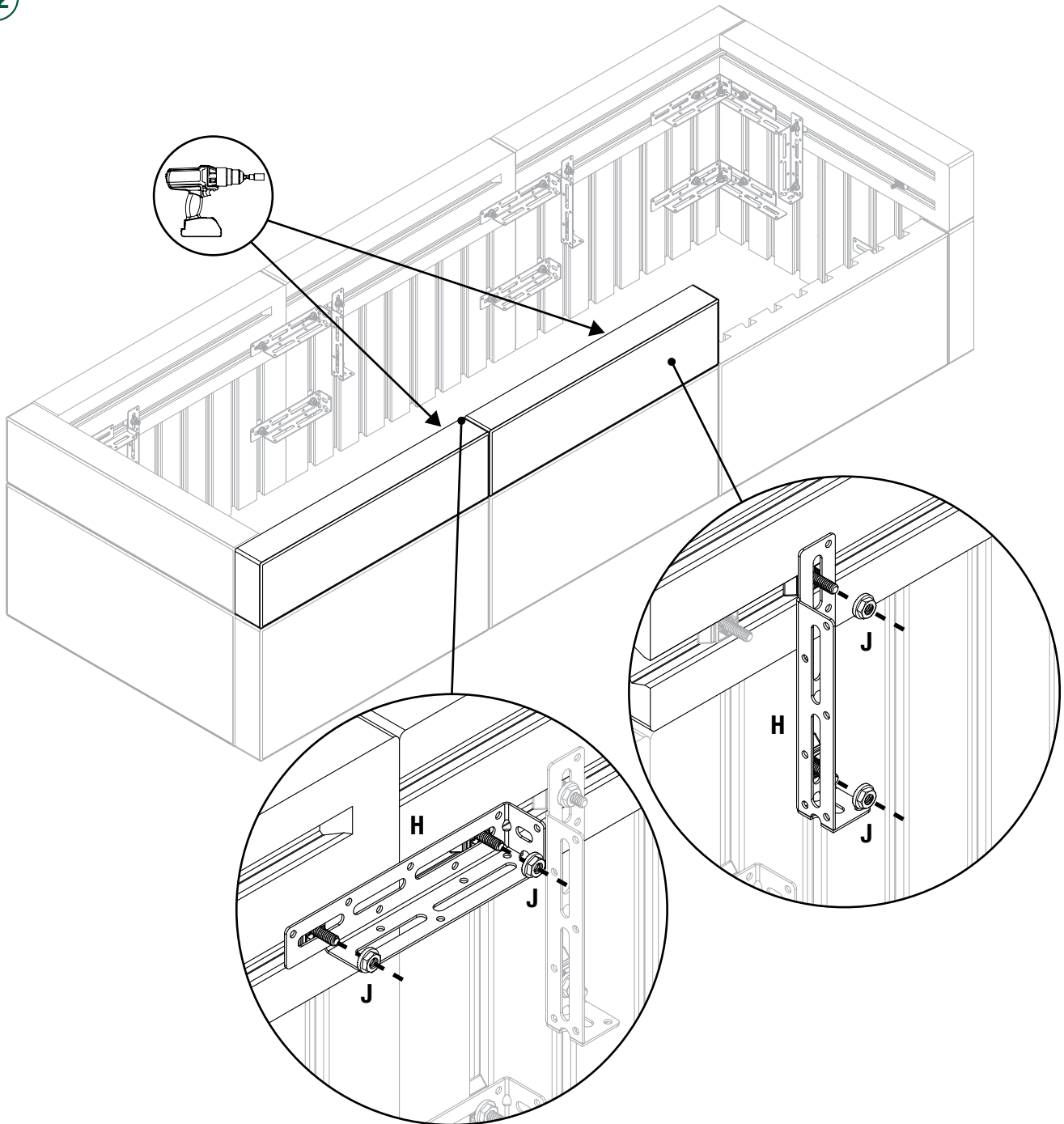
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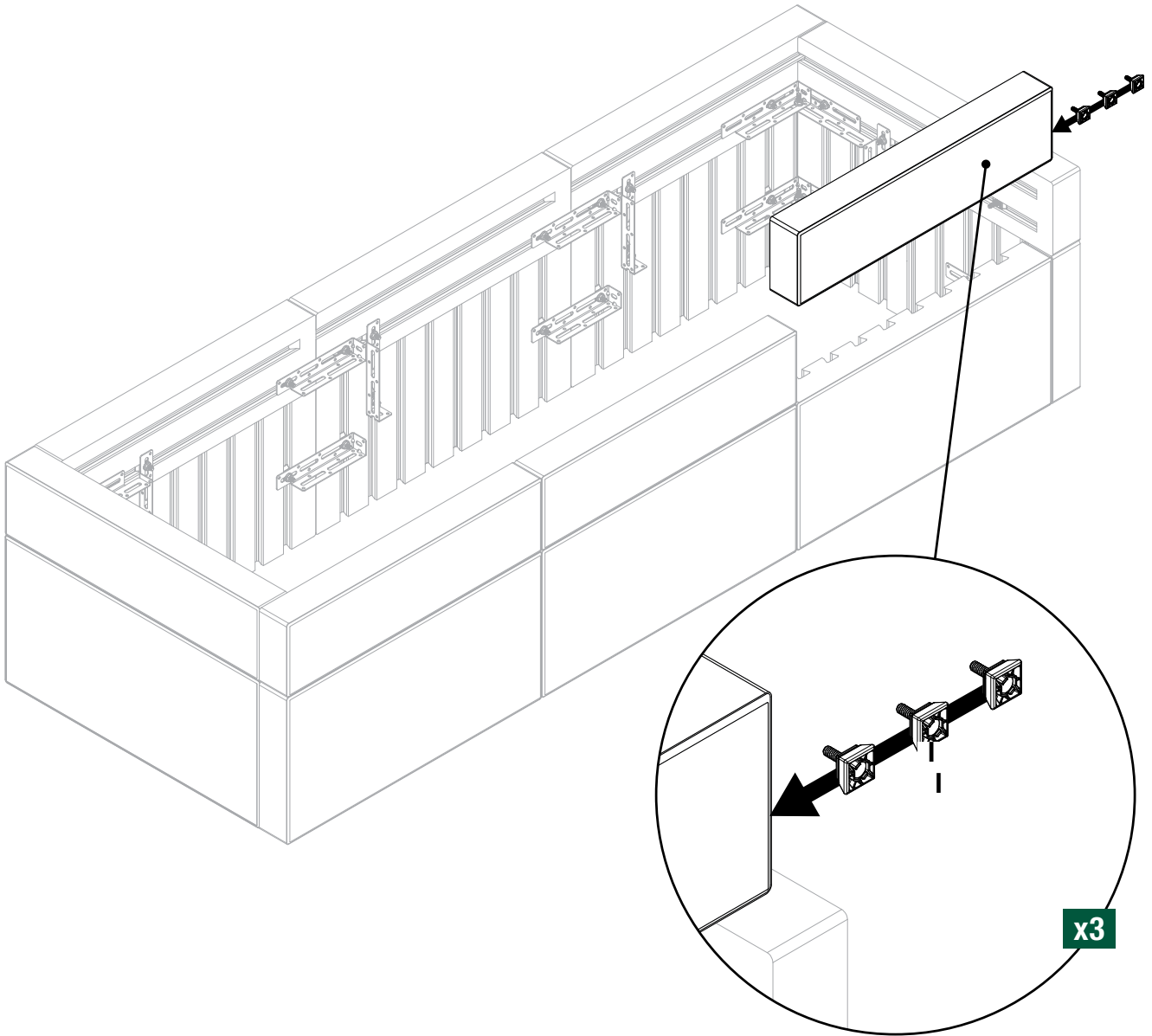
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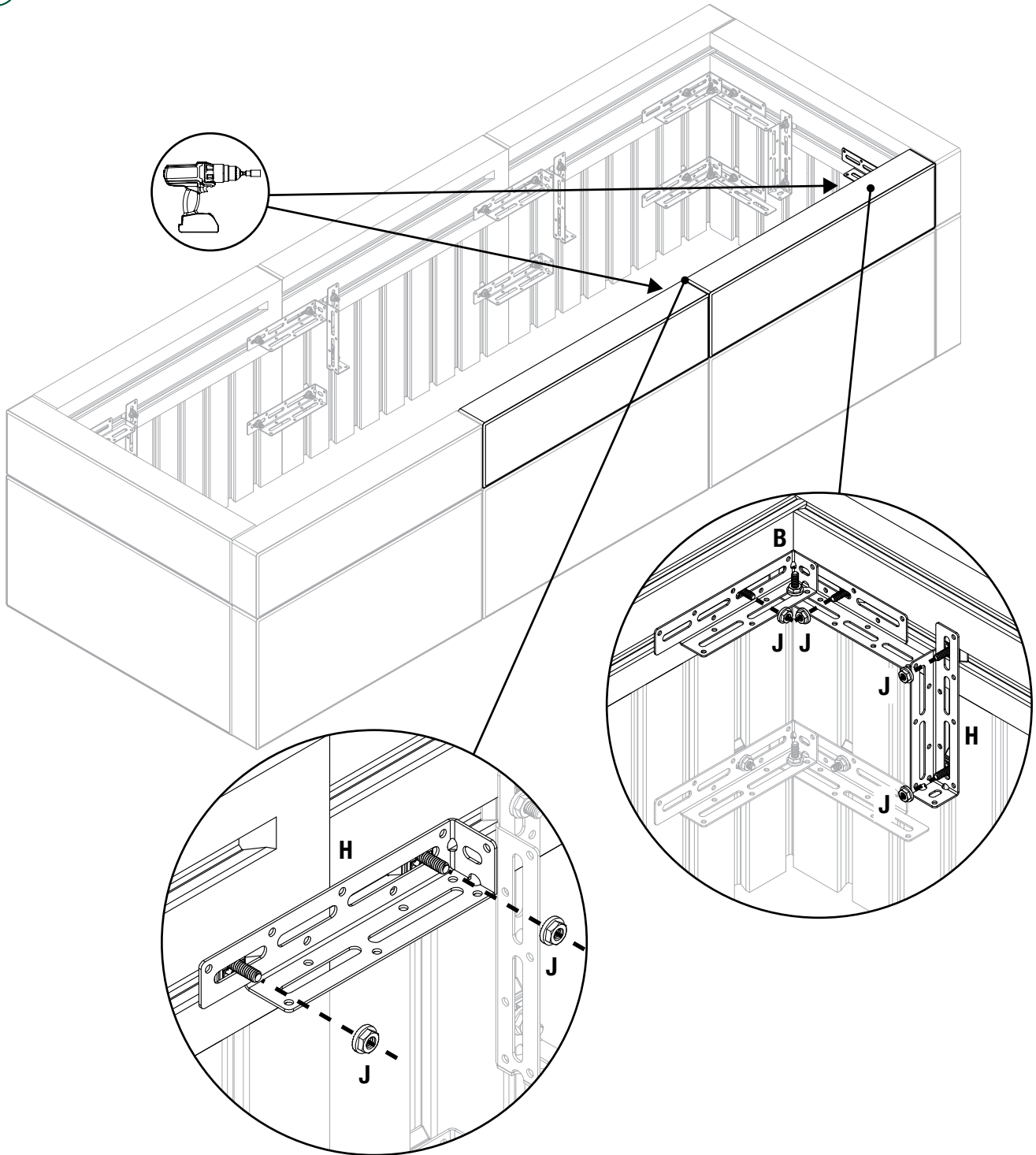
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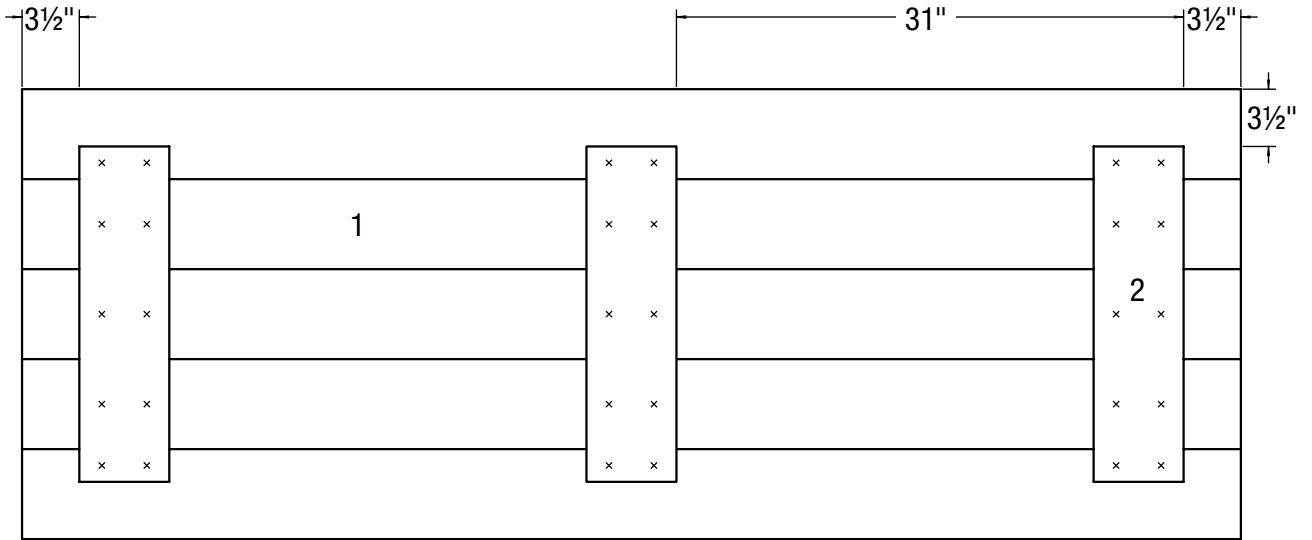
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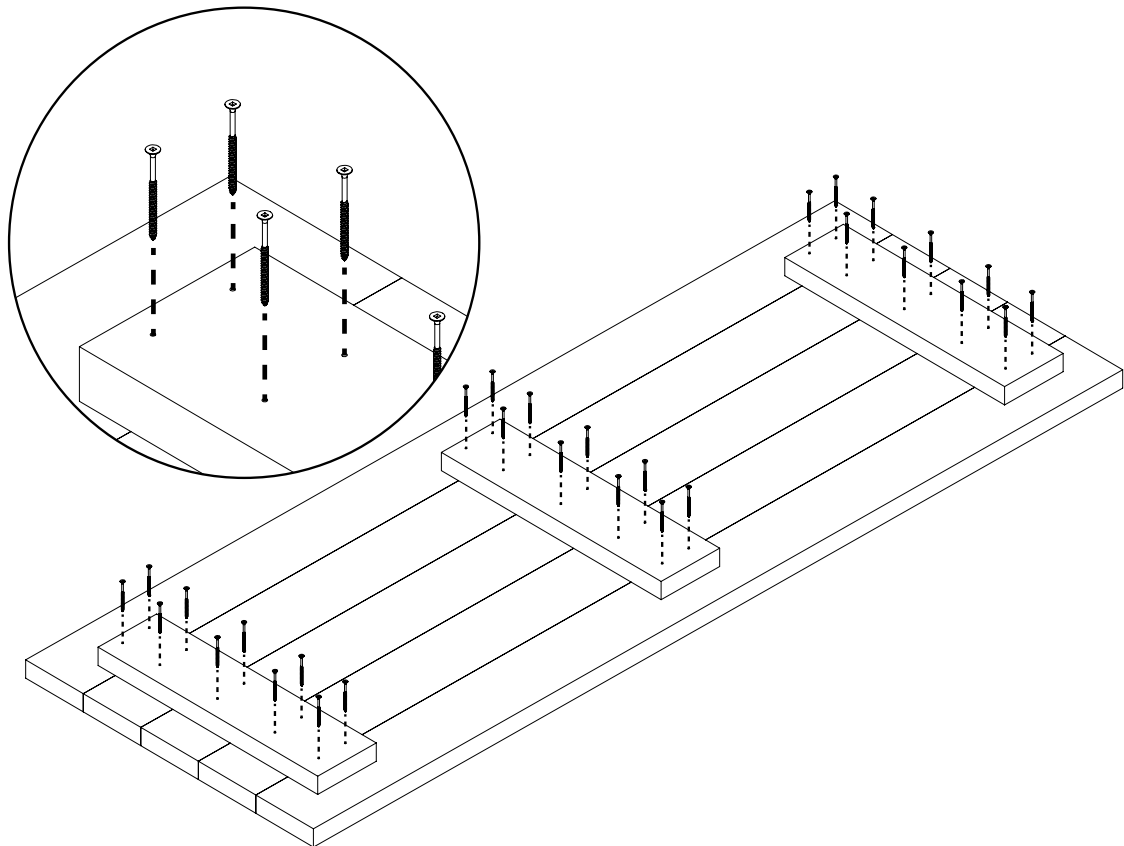
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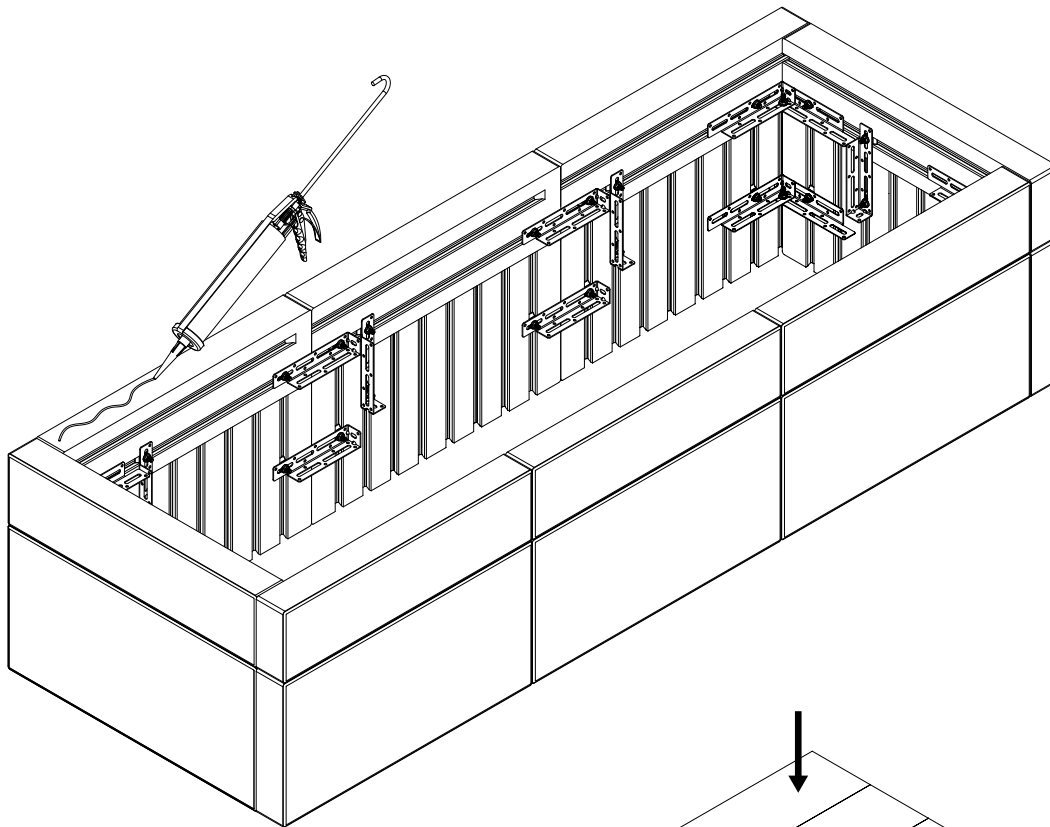
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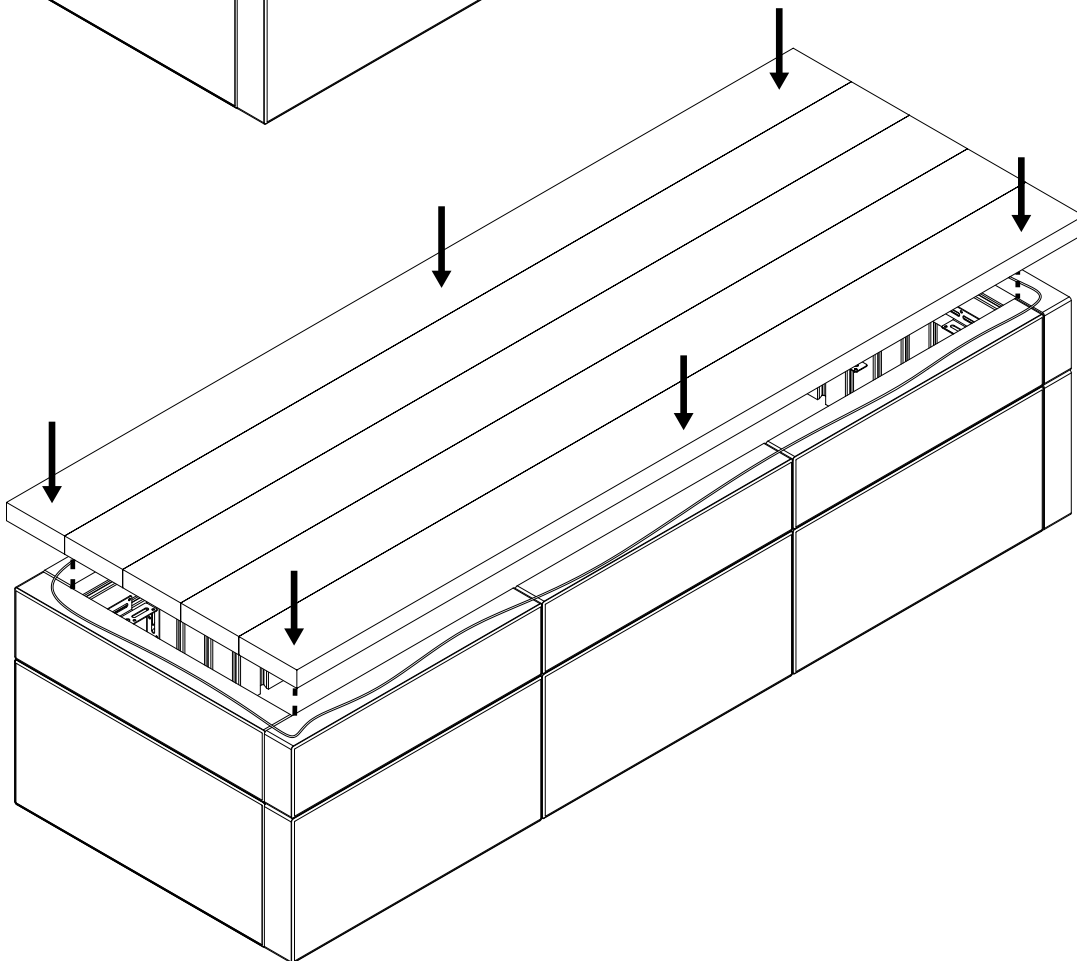
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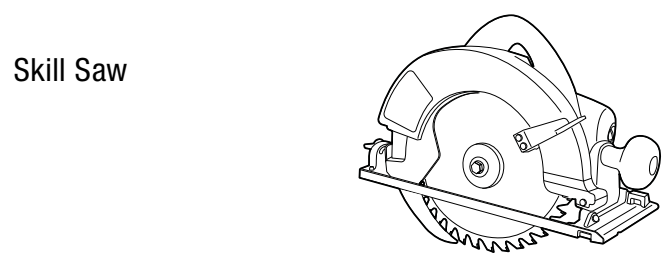
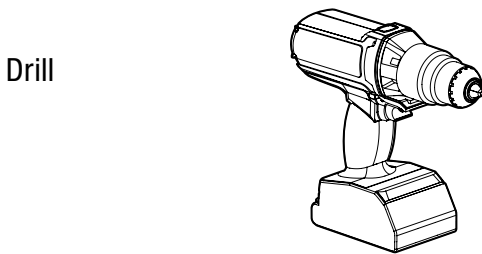
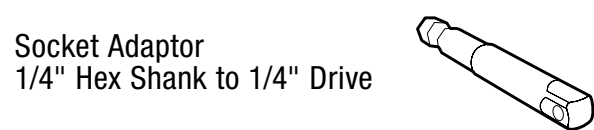
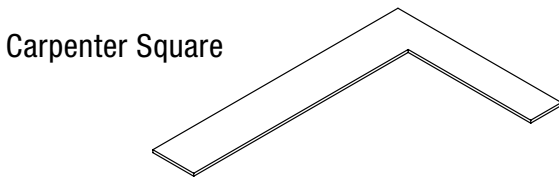
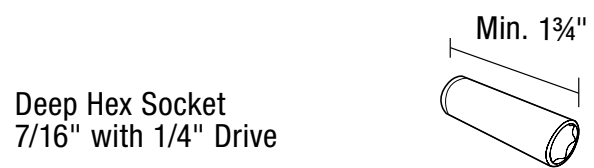
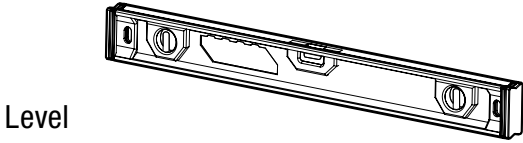
# DESIGNFORMS™

Counter Combo A - 1 Shelving Unit + 1 Solid Unit



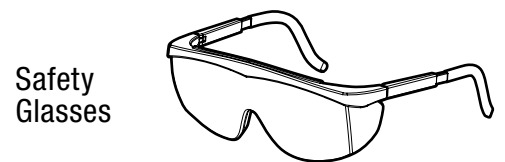
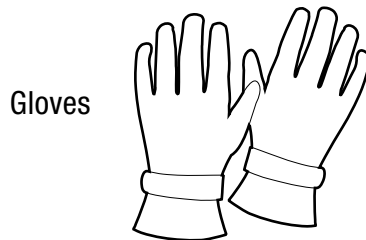
## REQUIRED TOOLS

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## SAFETY EQUIPMENT

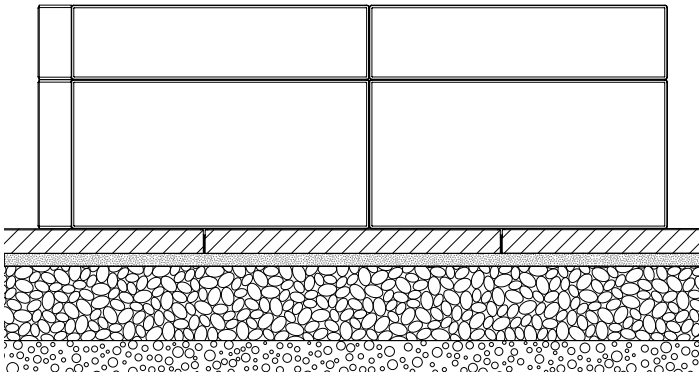
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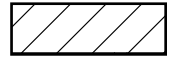
## BASE PREPARATION

*Always level ground before installation*

### On new or existing patio



Slab or Paver



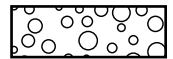
Bedding Sand 1"



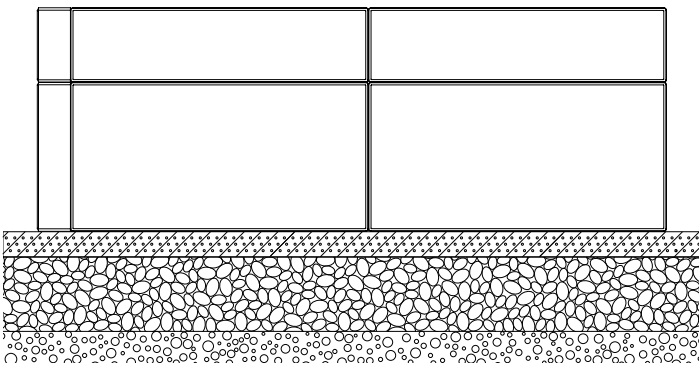
Compacted aggregates 6"- 8"



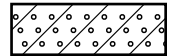
Soil



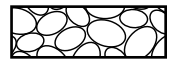
### On poured concrete



Reinforced Poured Concrete Foundation 2"



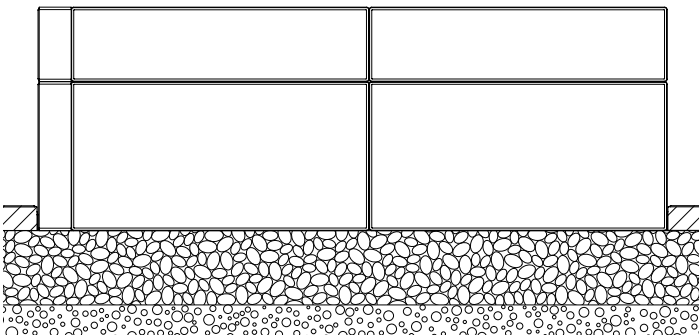
Compacted aggregates 6"- 8"



Soil



### On compacted foundation



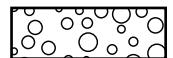
Slab or Paver



Compacted aggregates 6"- 8"



Soil



## TIPS & TRICKS

### Read all instructions before assembly

#### PREBUILD:

- Prebuild all hardware prior to starting build.
- When assembling hardware SNAP the bolt into place with the plastic sliders. Pressing down on something flat and hard will help. (**Fig. A**)
- Do not over hand tighten the slider/bolt piece and the nut on the completed brackets. They should be loosely attached so they slide into the channels on the panels. Leave a space of ¼ in. (**Fig. B**)

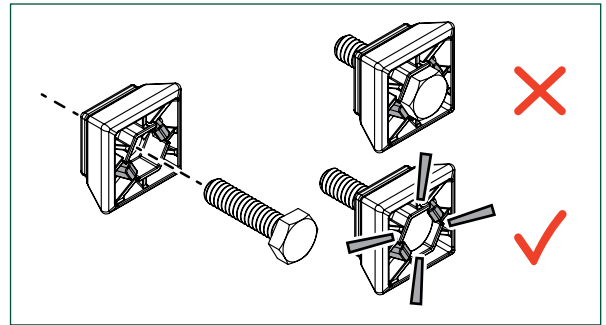


Fig. A

#### INSTALL:

- Always start in the corner when starting a build. (**Fig. C**)
- Set the drill clutch (torque) at a low level to deliver a torque range of 50-65 lb per inch. Refer to your drill manual for torque adjustment instructions.
- Use a rubber mallet to assist with moving/aligning/adjusting panel placement during assembly.

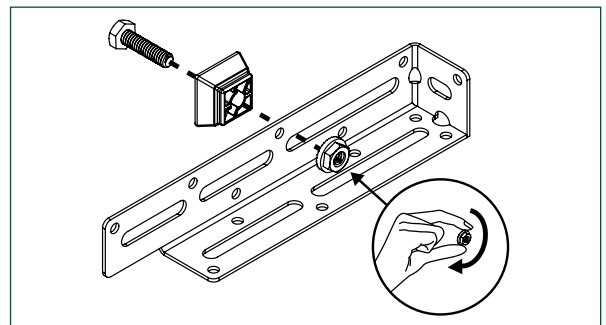


Fig. B

#### WHEN BUILDING WOODEN COMPONENTS:

- Do not exceed prescribed length. Exact measurements are required for proper assembly.
- Ensure your cuts are straight.
- Do not over tighten the screws into the wood - this can cause buckling.
- Pre-drill holes for 45° corner assemblies.
- Use cedar or pressure treated plywood for outdoor use.
- Seal wooden components for prolonged use.

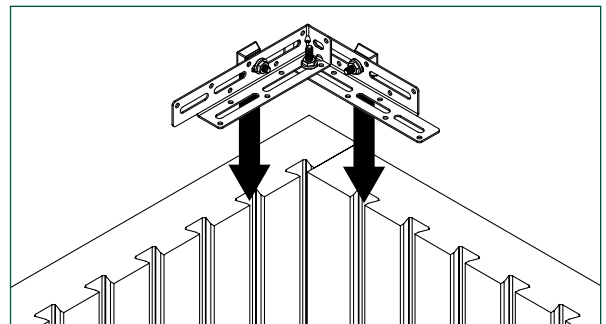
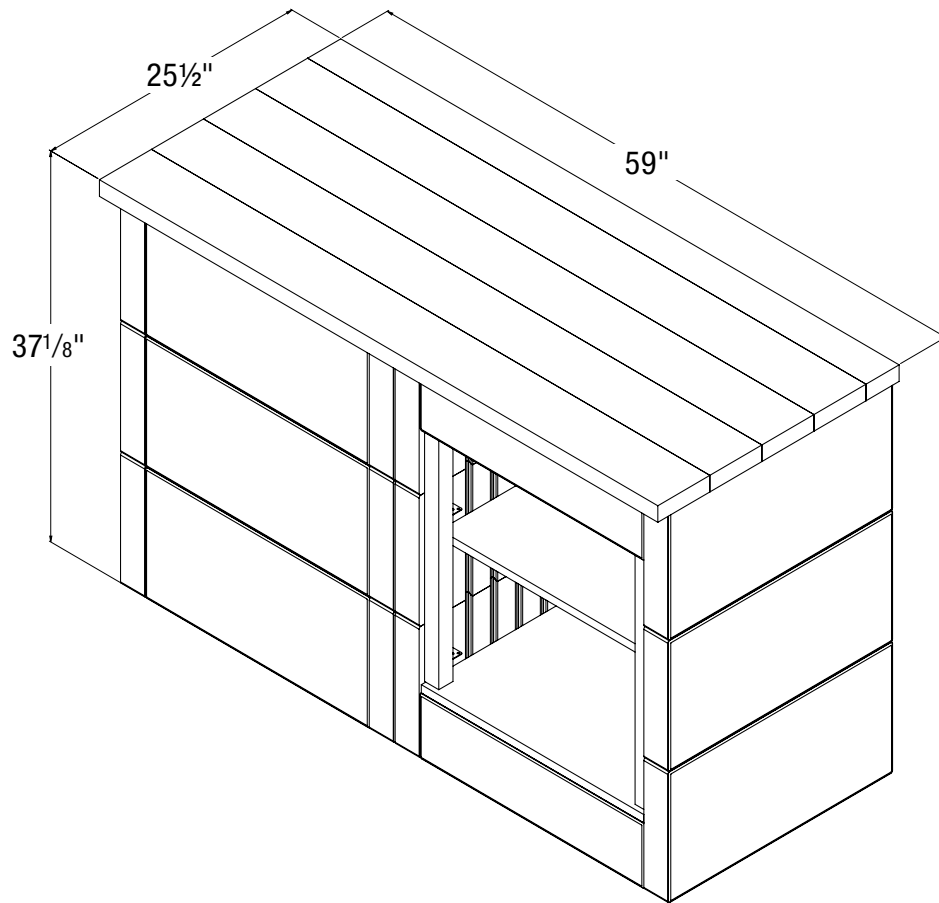


Fig. C

#### WHEN BUILDING PLANTERS:

- Line the inside of the planters or garden beds with a geotextile fabric to help with water management.

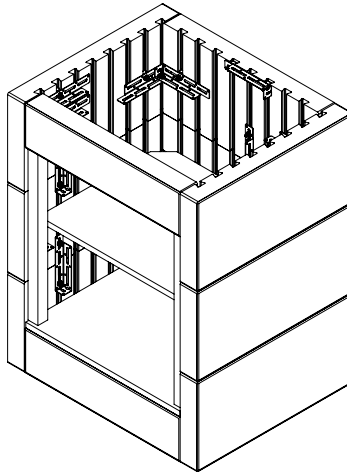
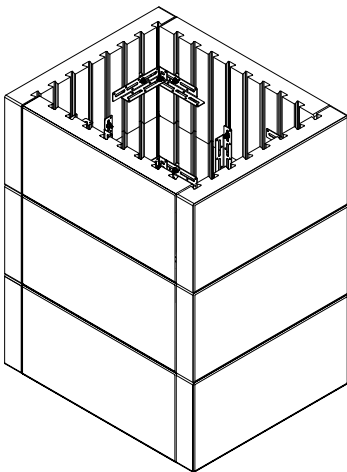


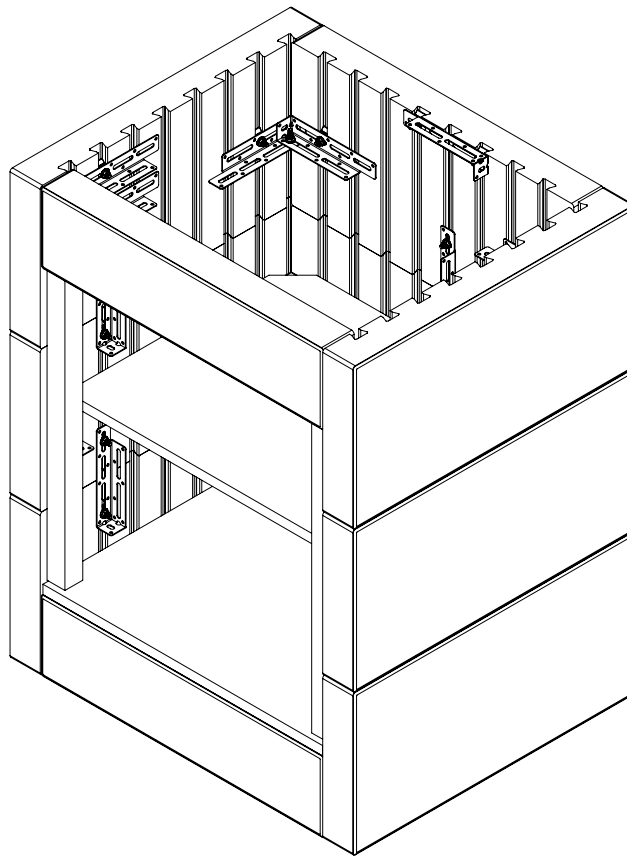
## COMPONENTS

**Build side by side. Wood top construction instructions follow in this guide.**

Single Counter - Solid Unit x 1

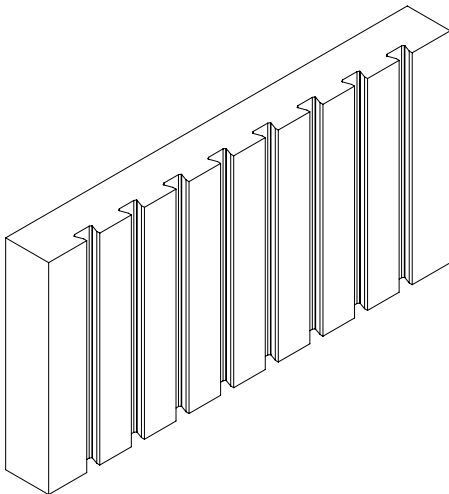
Single Counter - Shelving Unit x 1



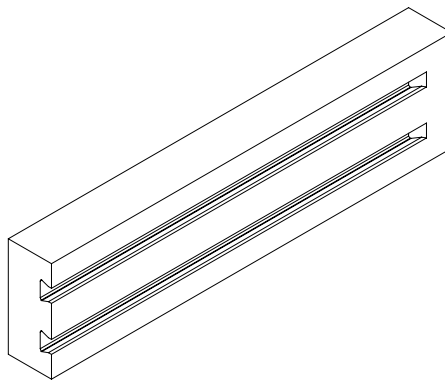


**COMPONENTS** Single Counter - Shelving Unit x 1

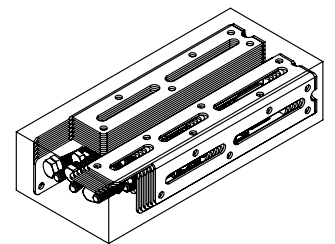
Large Panel (x9)  
12" x 24"

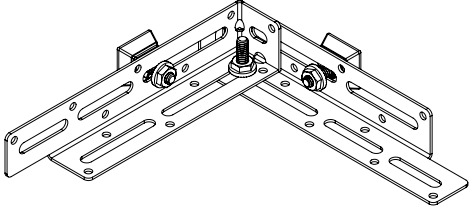
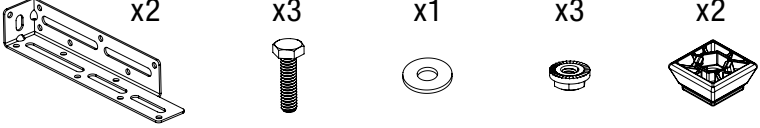
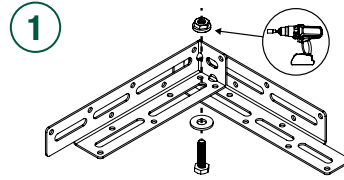
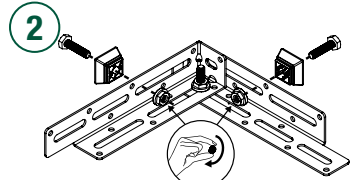
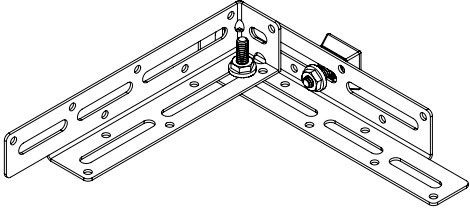
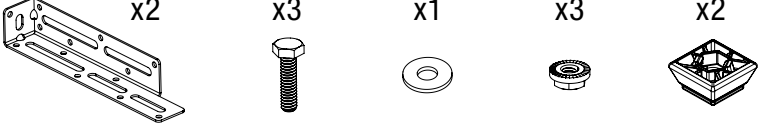
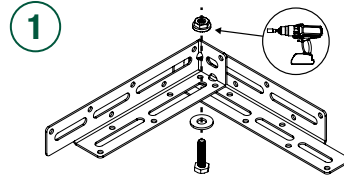
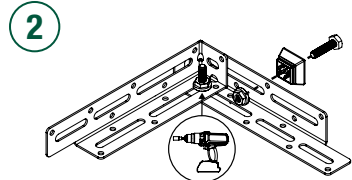
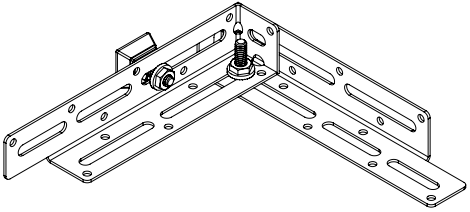
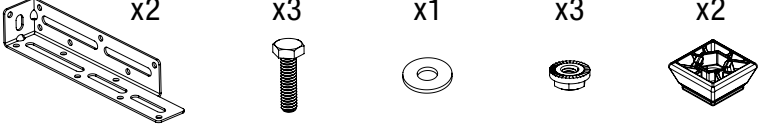
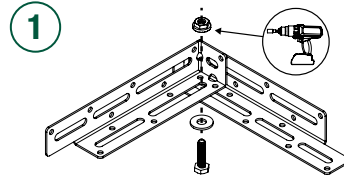
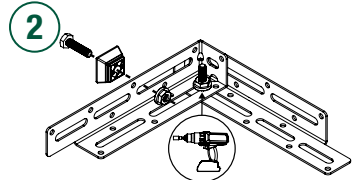


Small Panel (x2)  
6" x 24"

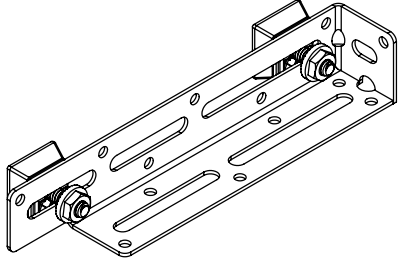


Hardware Kit (x3)

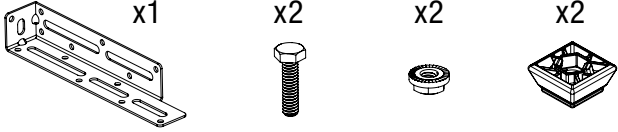


<p><b>BRACKET A</b></p> <p><b>x6</b></p> 	<p>x2      x3      x1      x3      x2</p>  <p><b>1</b></p>  <p><b>2</b></p> 
<p><b>BRACKET A1</b></p> <p><b>x3</b></p> 	<p>x2      x3      x1      x3      x2</p>  <p><b>1</b></p>  <p><b>2</b></p> 
<p><b>BRACKET A2</b></p> <p><b>x3</b></p> 	<p>x2      x3      x1      x3      x2</p>  <p><b>1</b></p>  <p><b>2</b></p> 

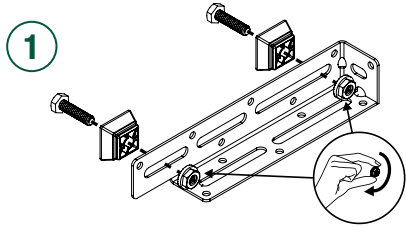
**BRACKET C** x8



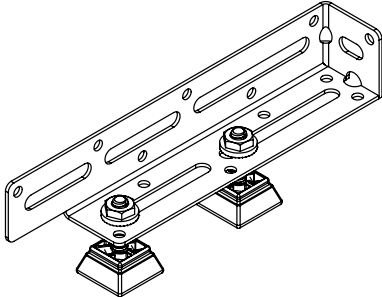
x1 x2 x2 x2



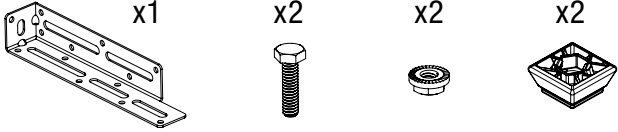
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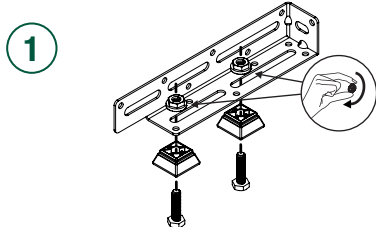
**BRACKET C1** x1



x1 x2 x2 x2

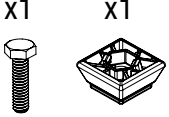
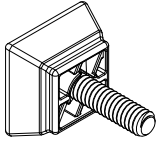


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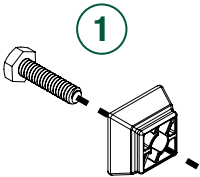


**ASSEMBLY I** x6


x1 x1

1

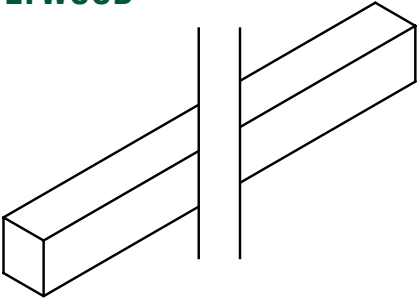
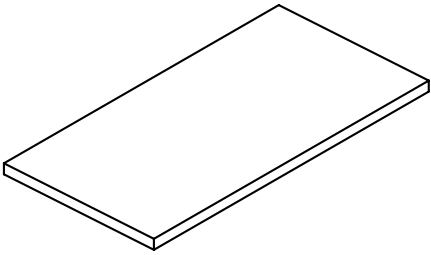
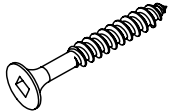


**J** x6

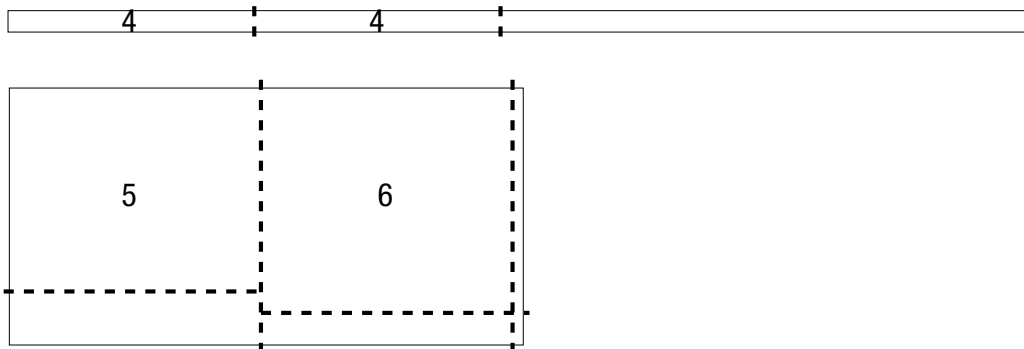


## SINGLE COUNTER - SHELVING UNIT COMPONENTS

Shelves for one shelving unit only. Double materials and cuts to build matching shelving units.

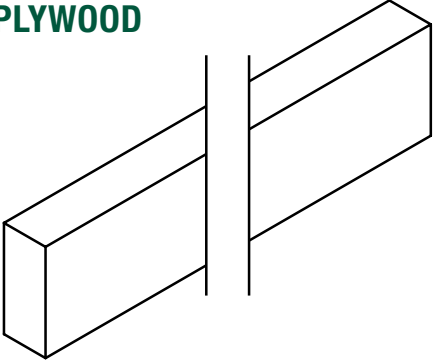
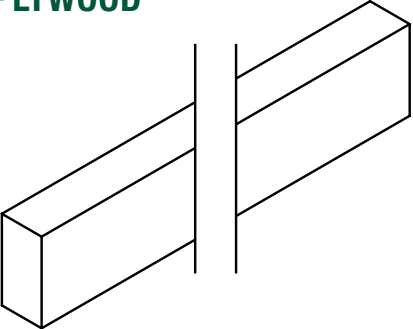
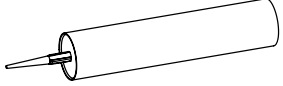
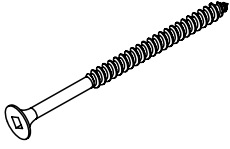
<p><b>2" x 2" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>2' x 4' x 3/4"</b> <b>PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>A #8 1 1/4"</b> <b>DECK SCREW</b></p> <p><b>x10</b></p> 
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### WOOD CUTS - shelves for one shelving unit only

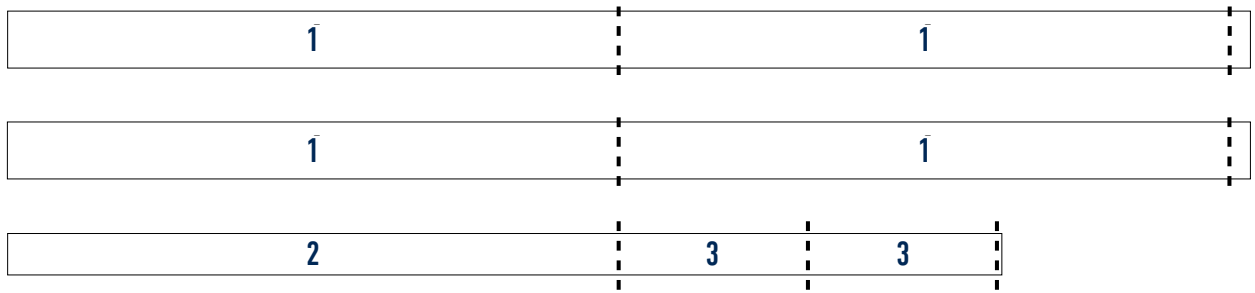


4 = 23"    5 = 19 x 23 1/2"    6 = 21 x 23 1/2"

**ADDITIONAL WOOD TOP COMPONENTS**

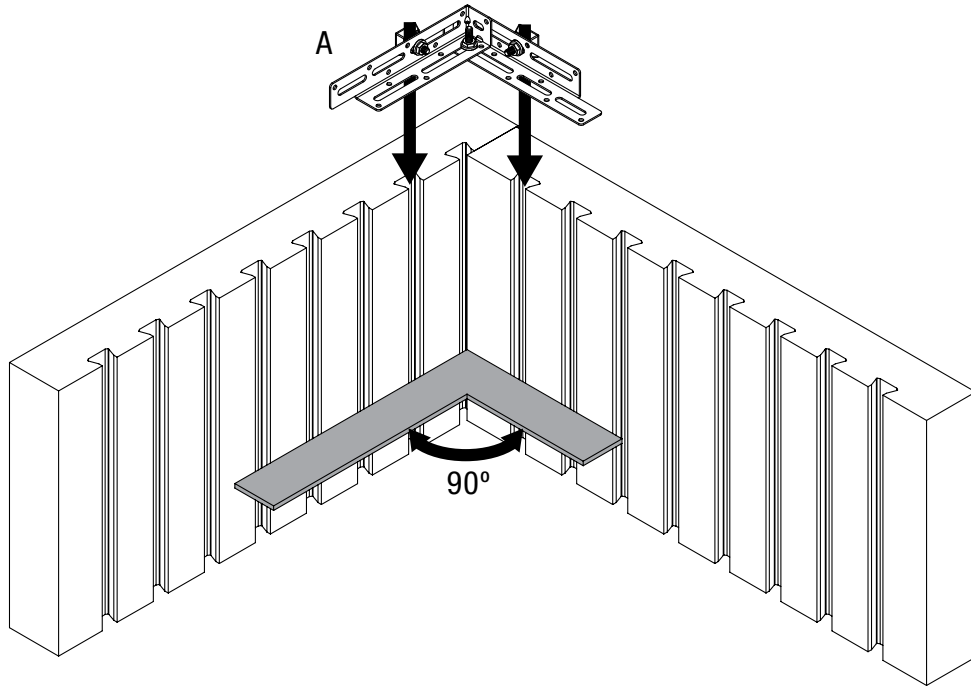
<p><b>2" x 6" x 10'</b> <b>PRESSURE TREATED PLYWOOD</b></p> <p><b>x2</b></p> 	<p><b>2" x 4" x 8'</b> <b>PRESSURE TREATED PLYWOOD</b></p> <p><b>x1</b></p> 	<p><b>TECHNISEAL CONCRETE ADHESIVE</b></p> <p><b>x1</b></p>  <p><b>B #8 2½" DECK SCREW</b></p> <p><b>x20</b></p> 
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**WOOD CUTS - counter top only**

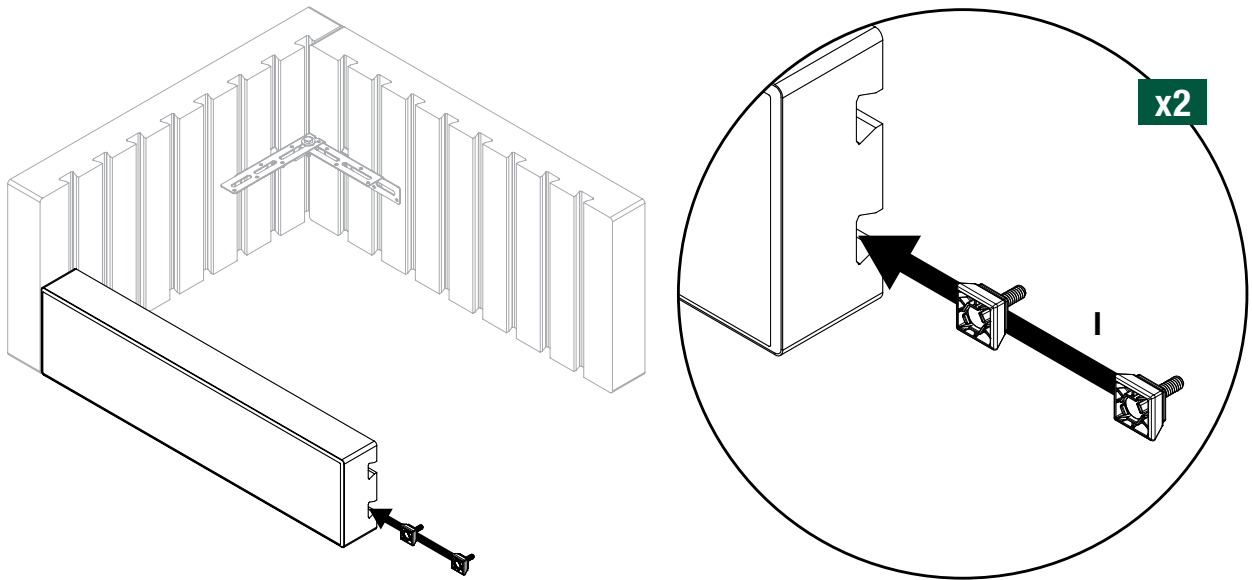


1 = 59"    2 = 59"    3 = 18¼"

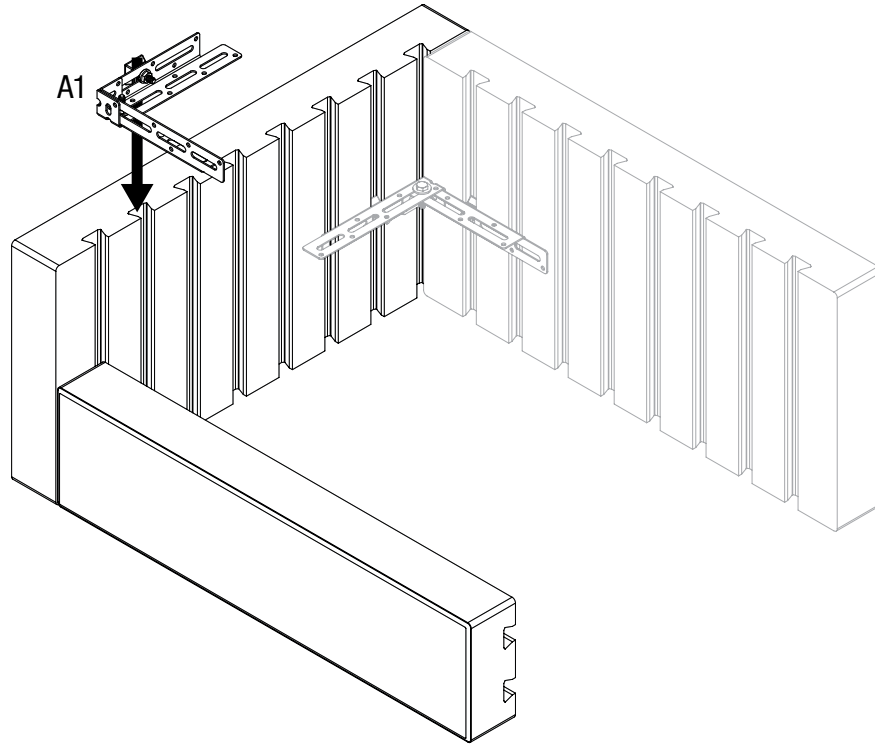
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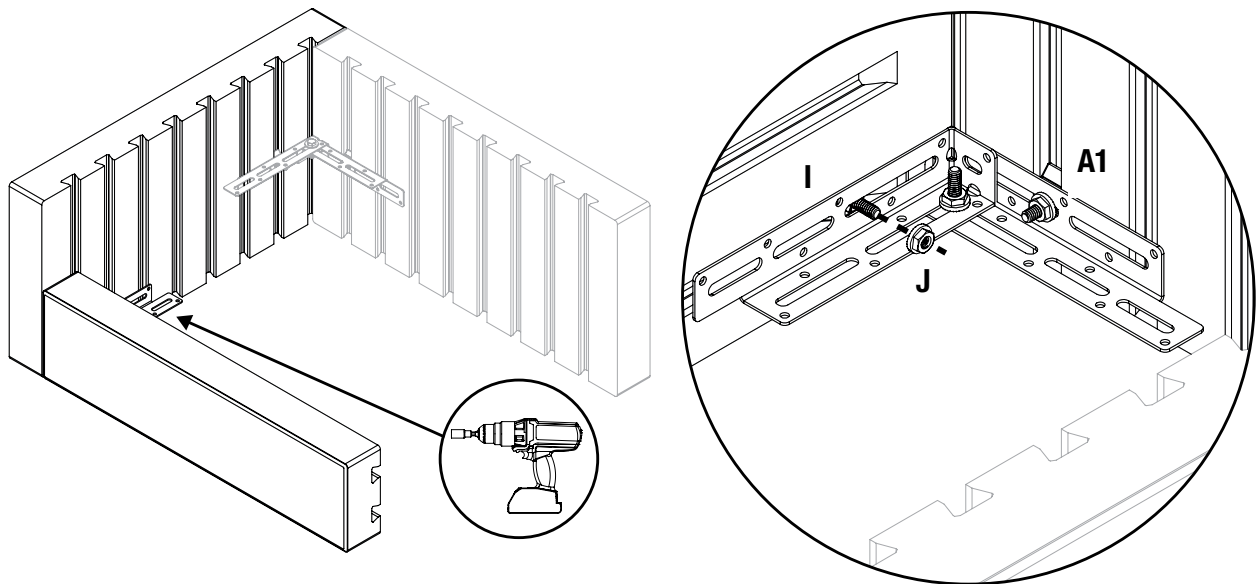
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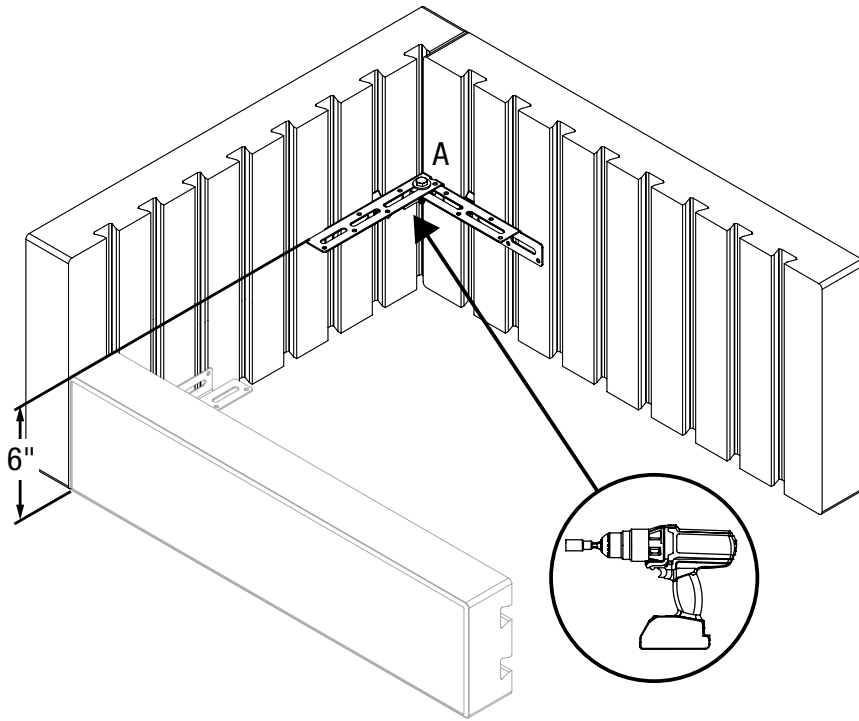
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4

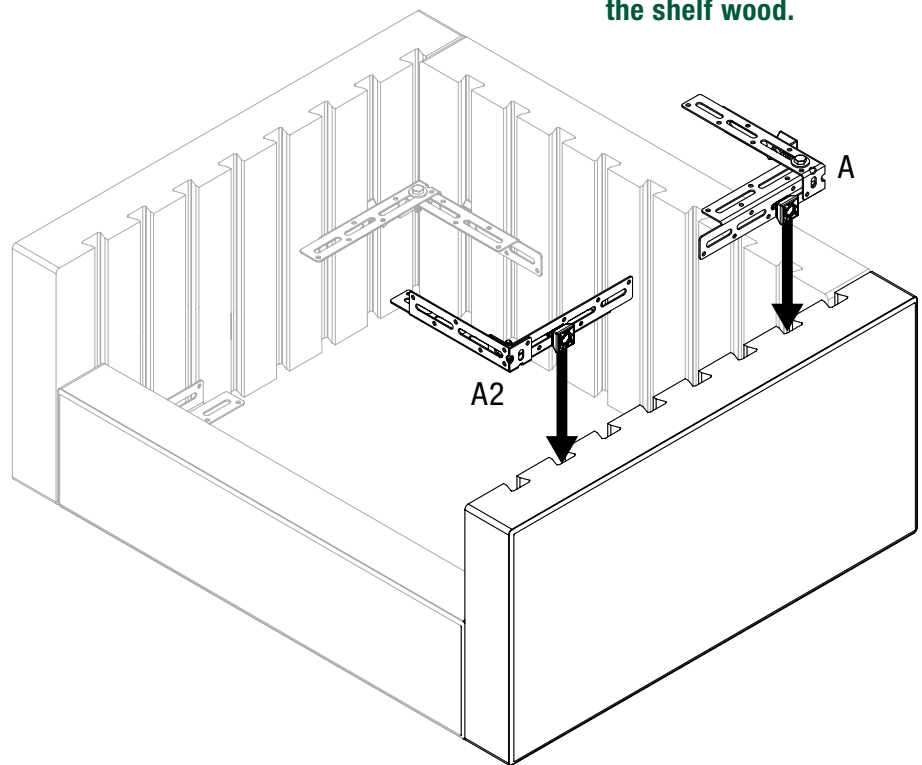


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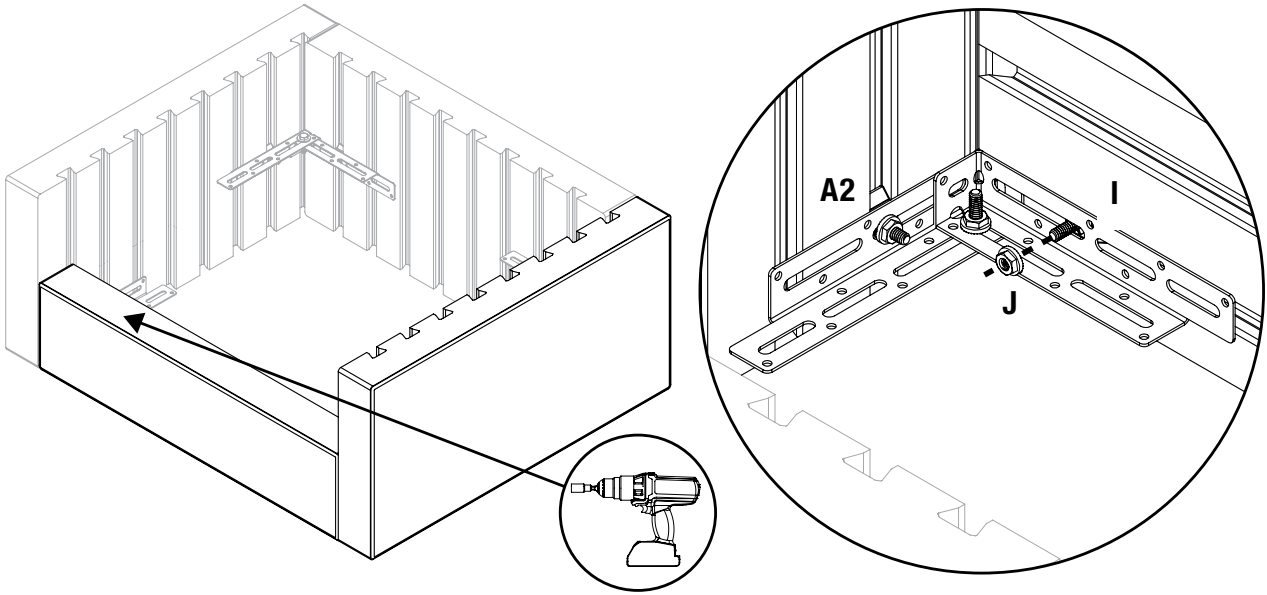


Install BRACKET A  
flat side up to hold  
the shelf wood.

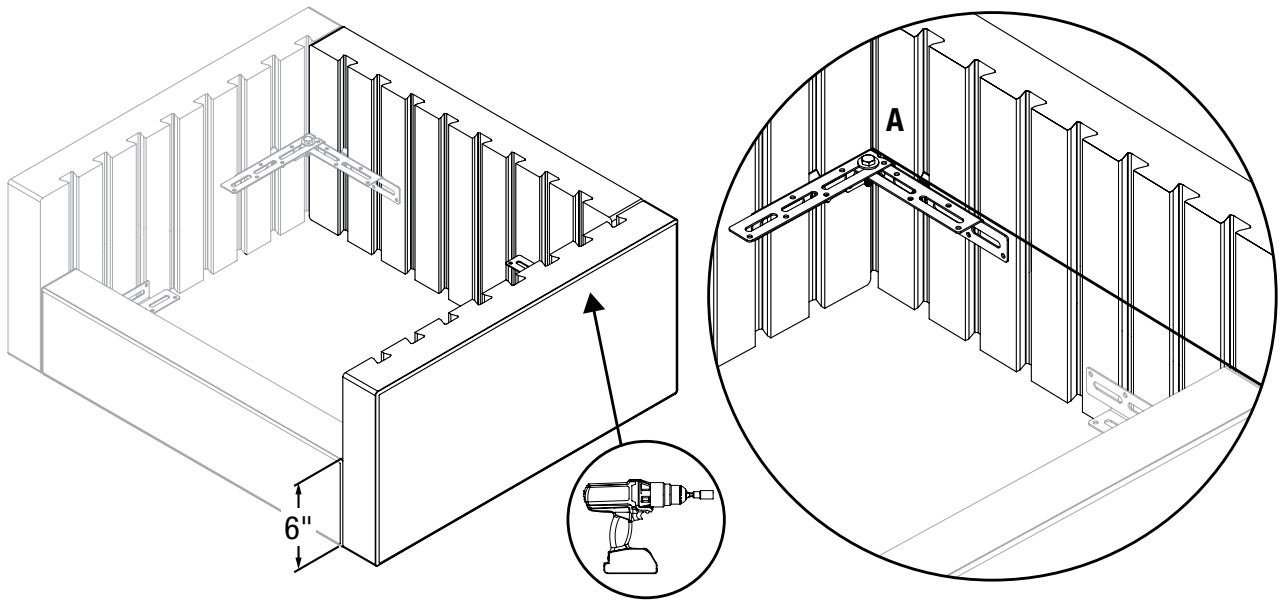
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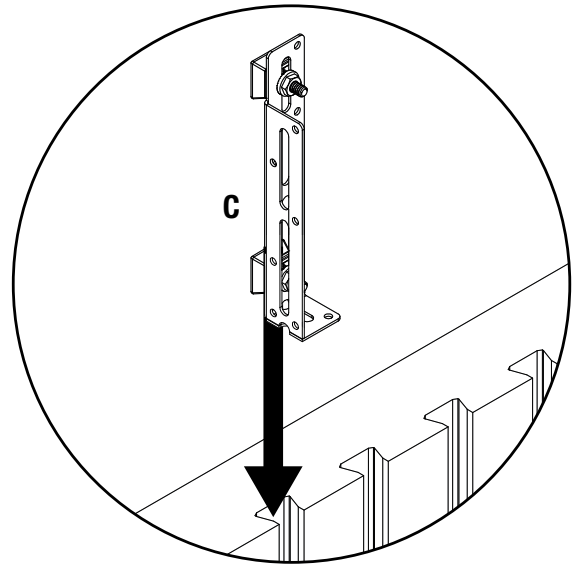
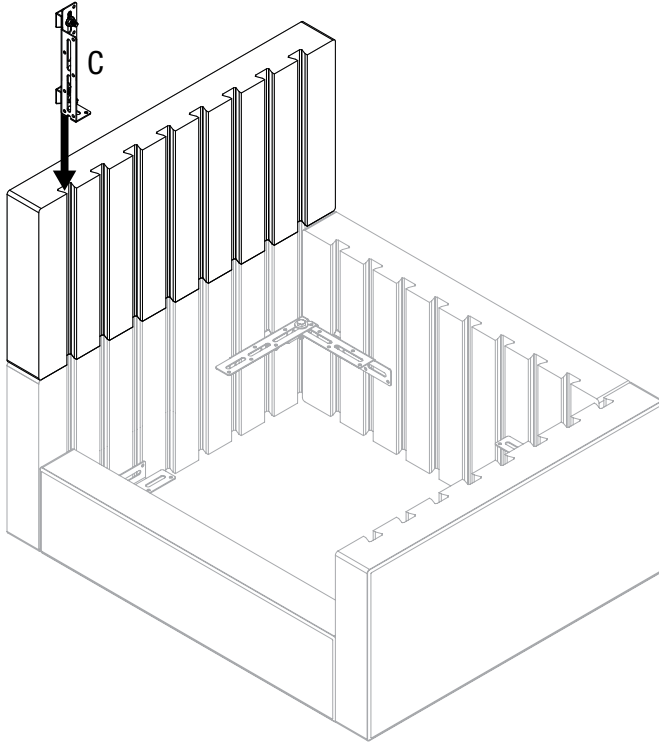
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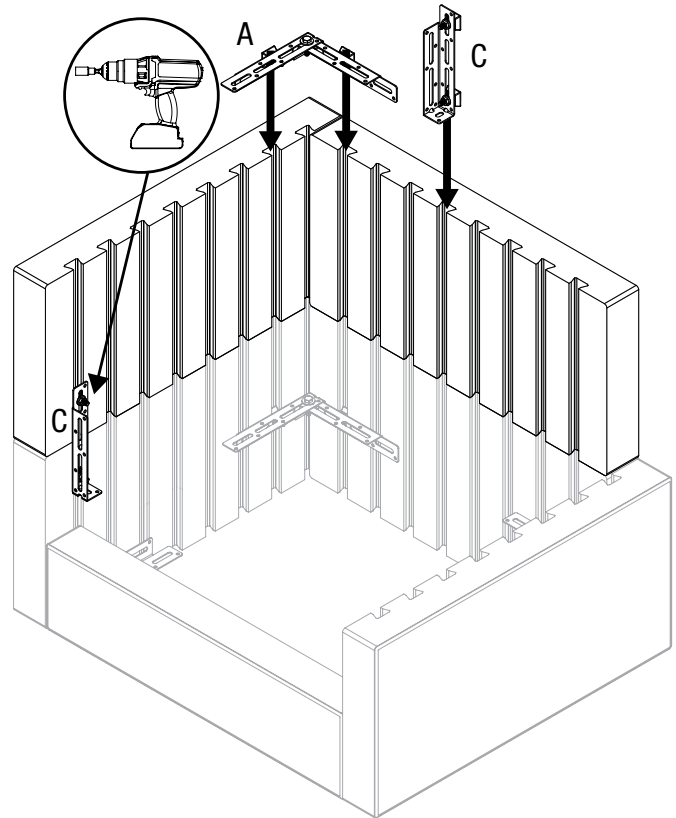


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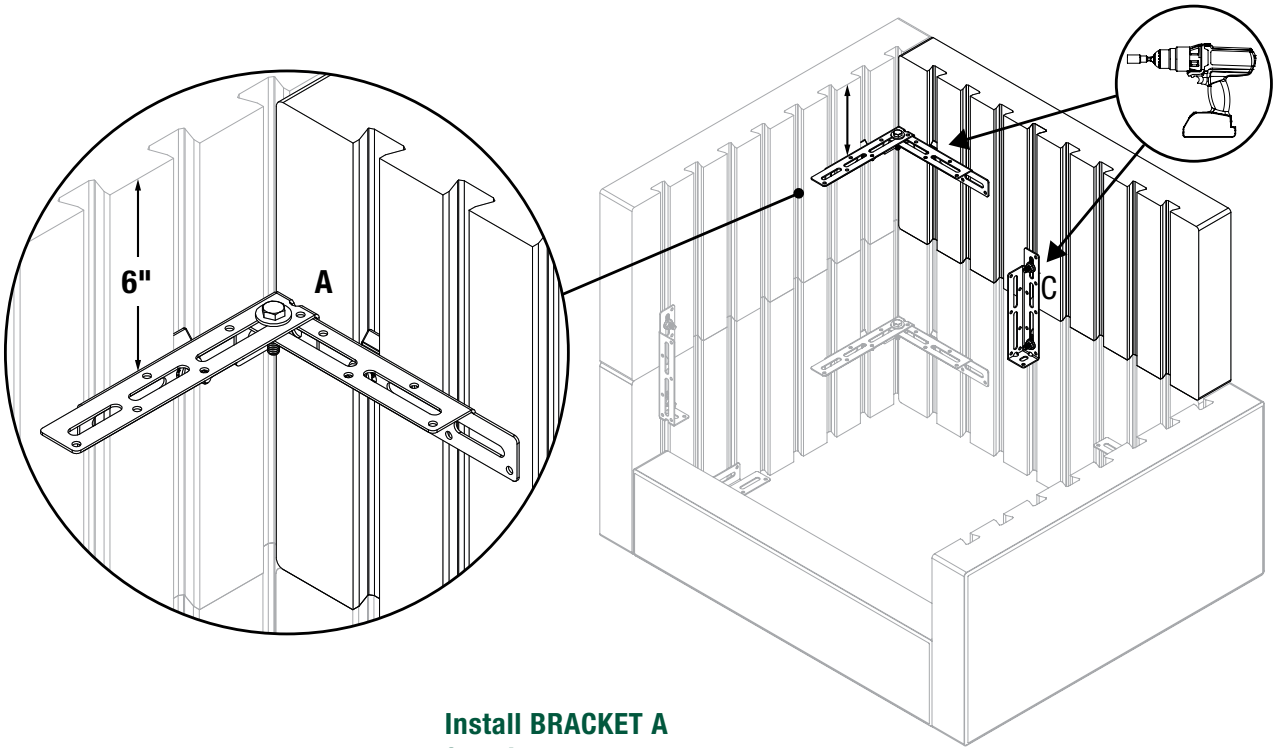


10

Install BRACKET A  
flat side up to hold  
the shelf wood.

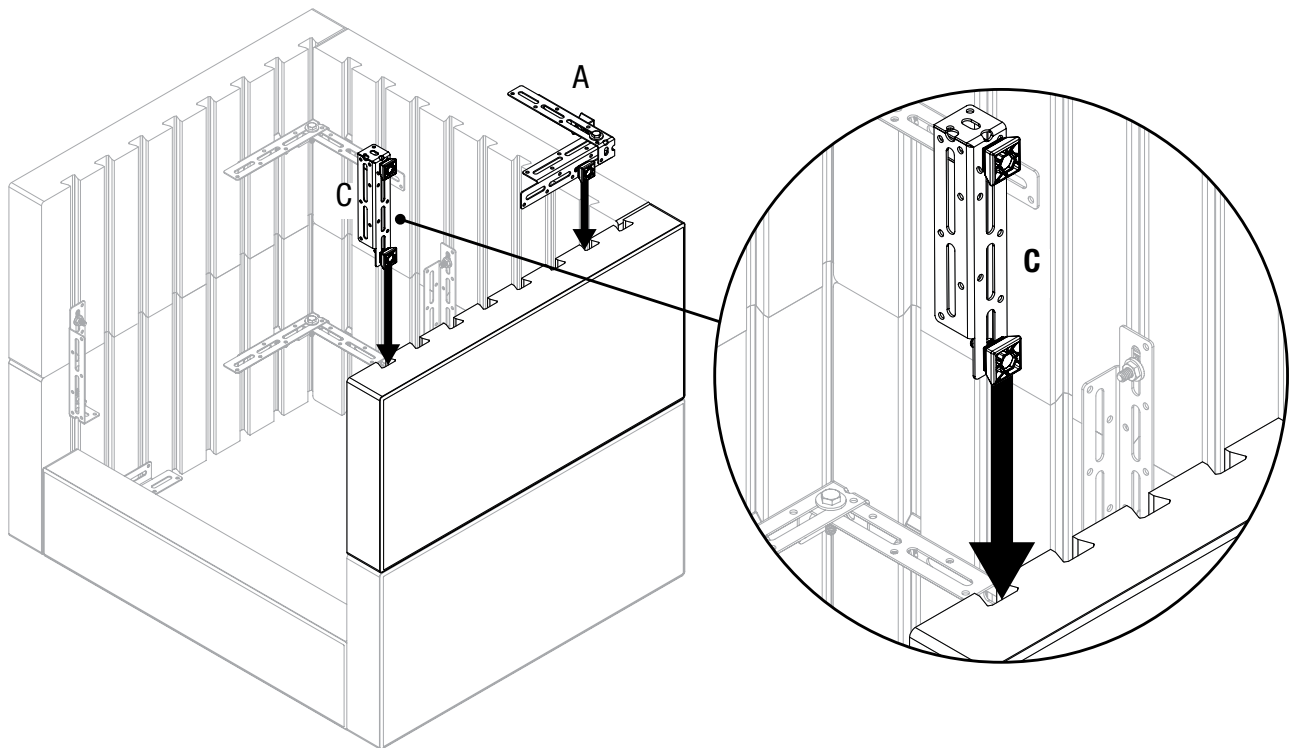


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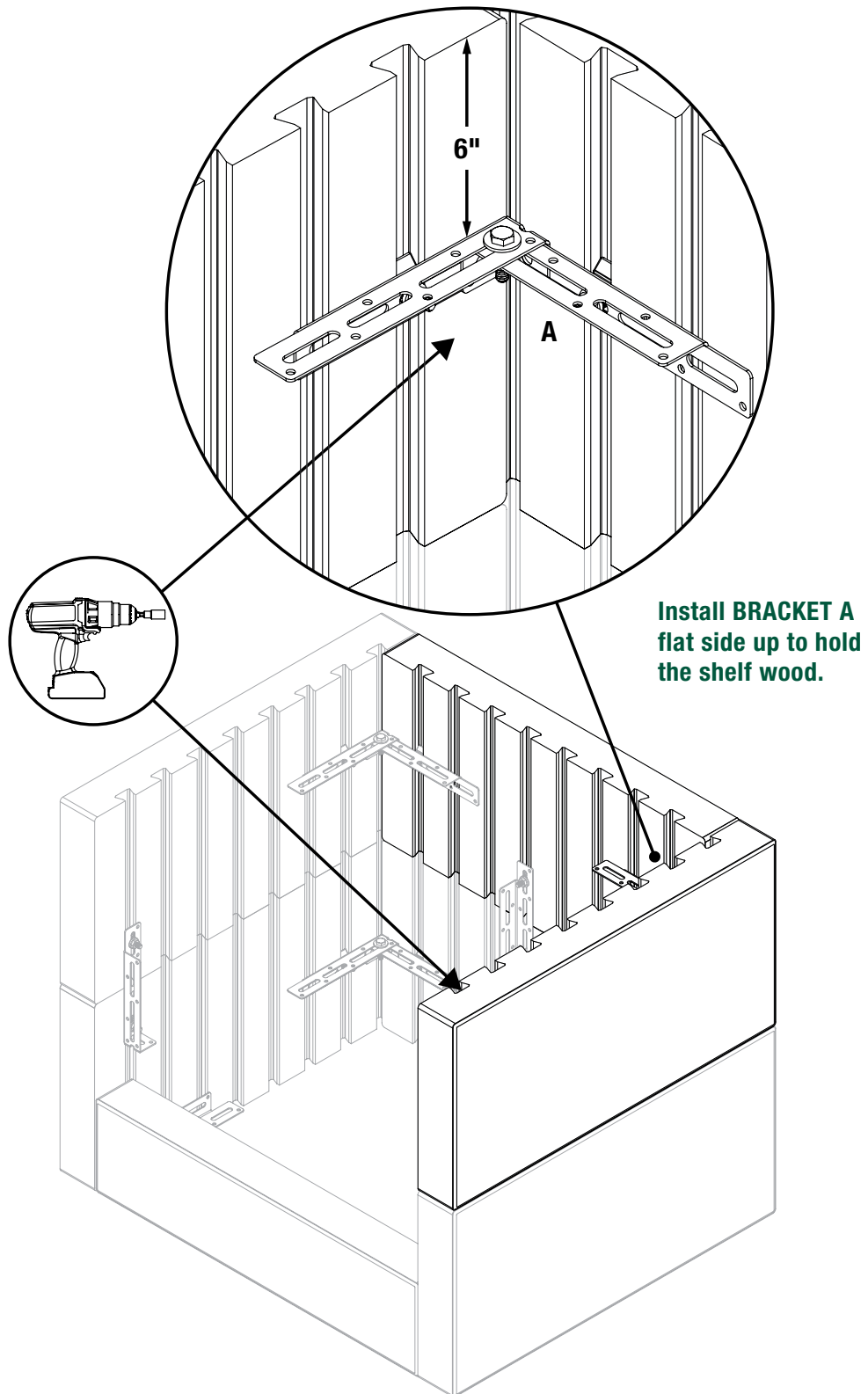


Install BRACKET A  
flat side up to hold  
the shelf wood.

12

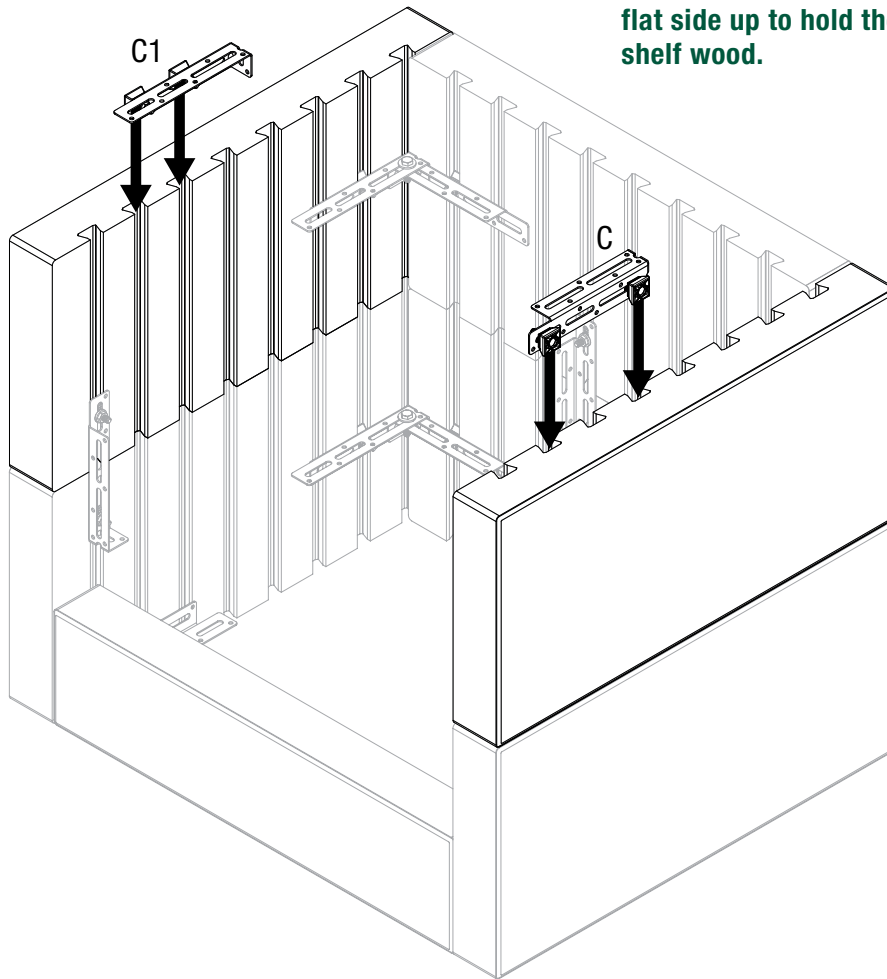


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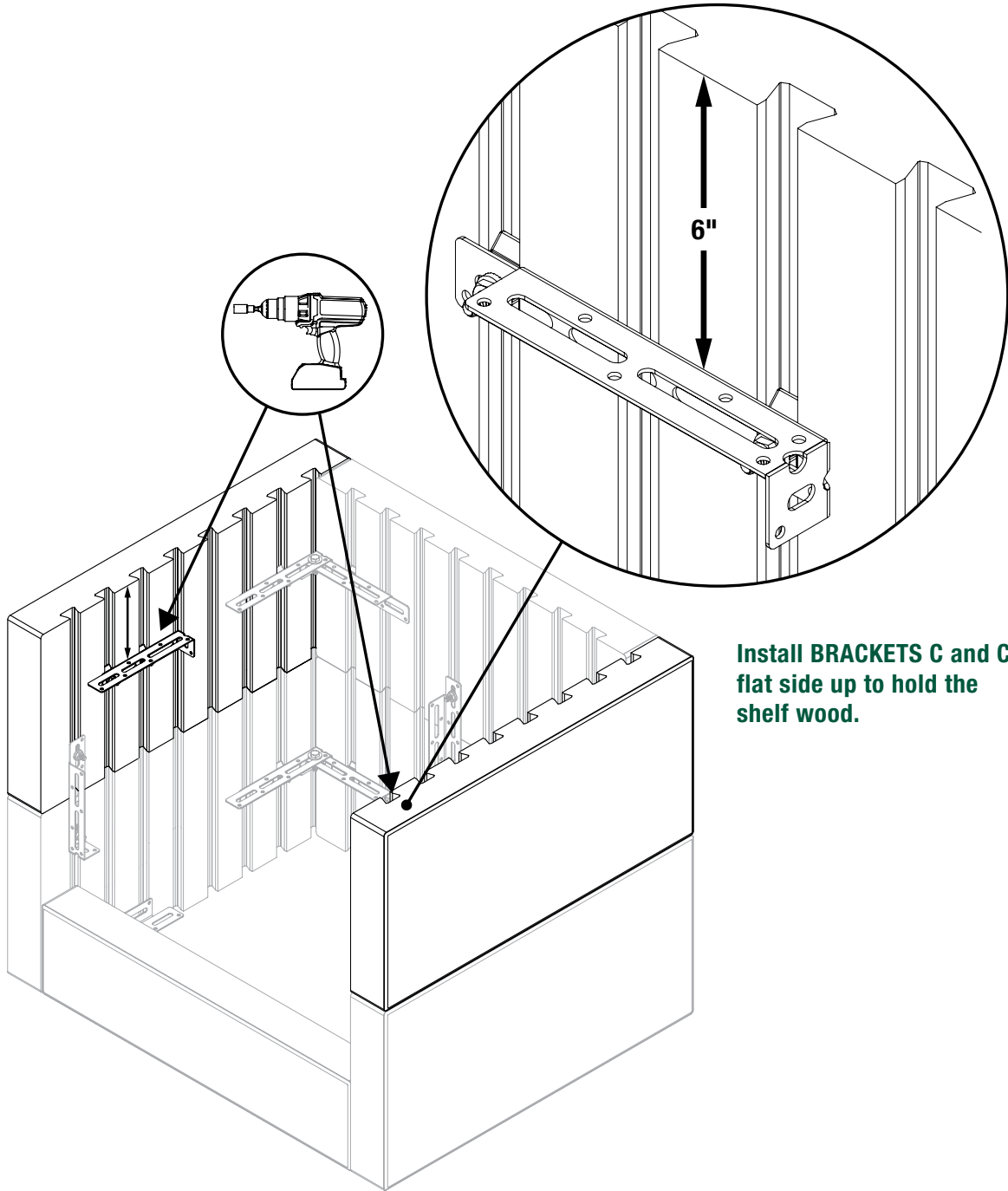


14

Install BRACKETS C and C1  
flat side up to hold the  
shelf wood.

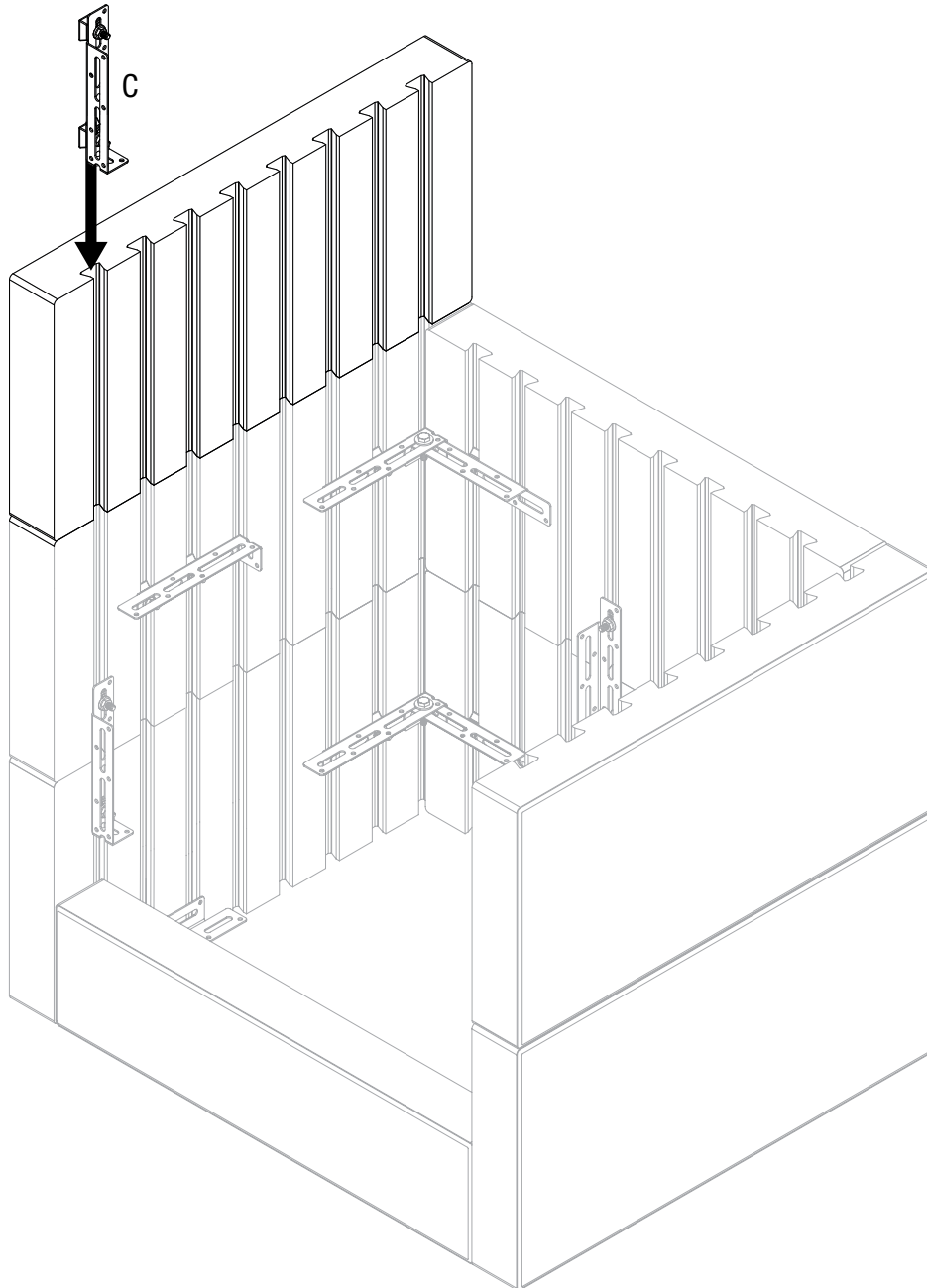


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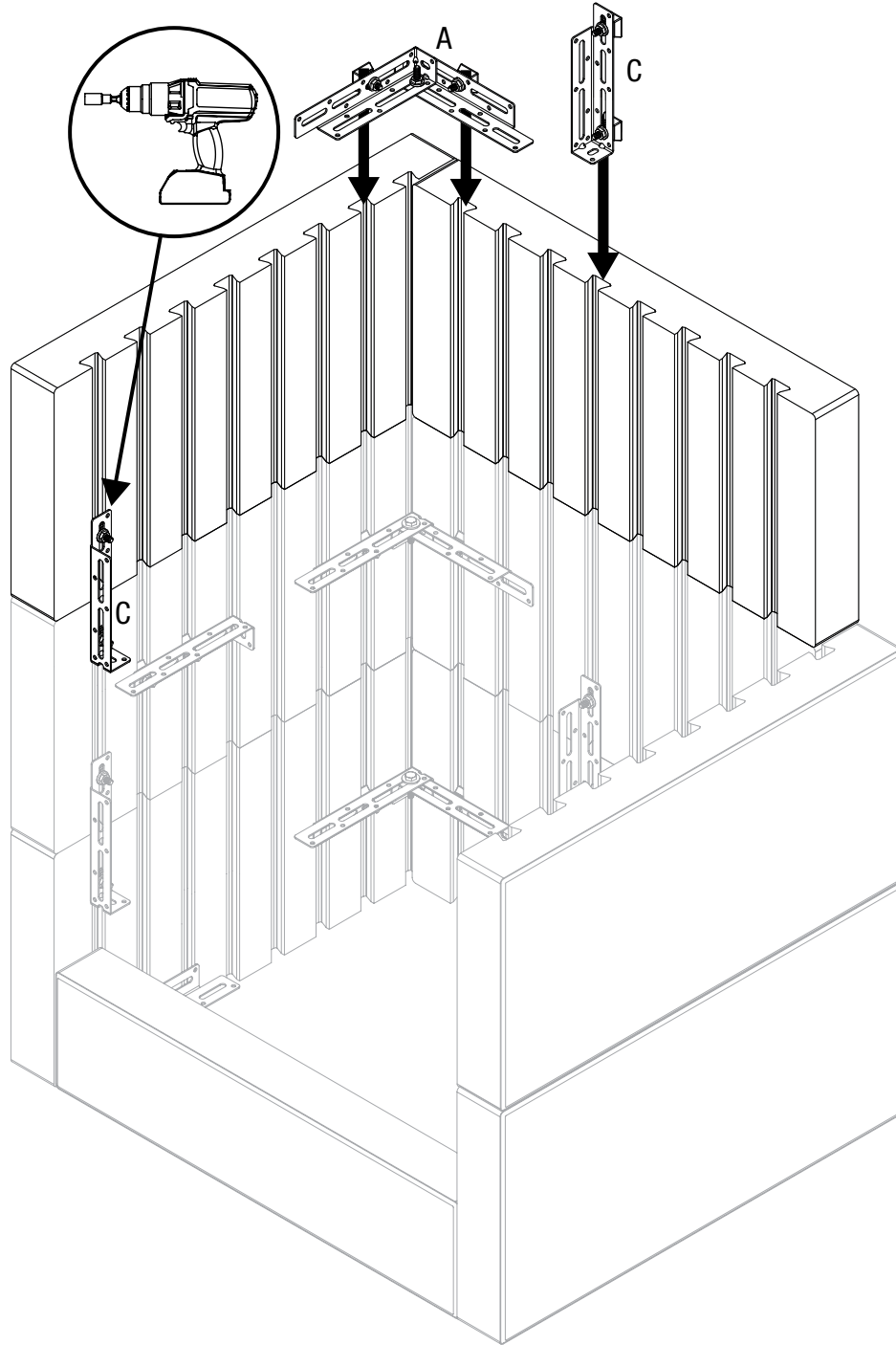


Install BRACKETS C and C1 flat side up to hold the shelf wood.

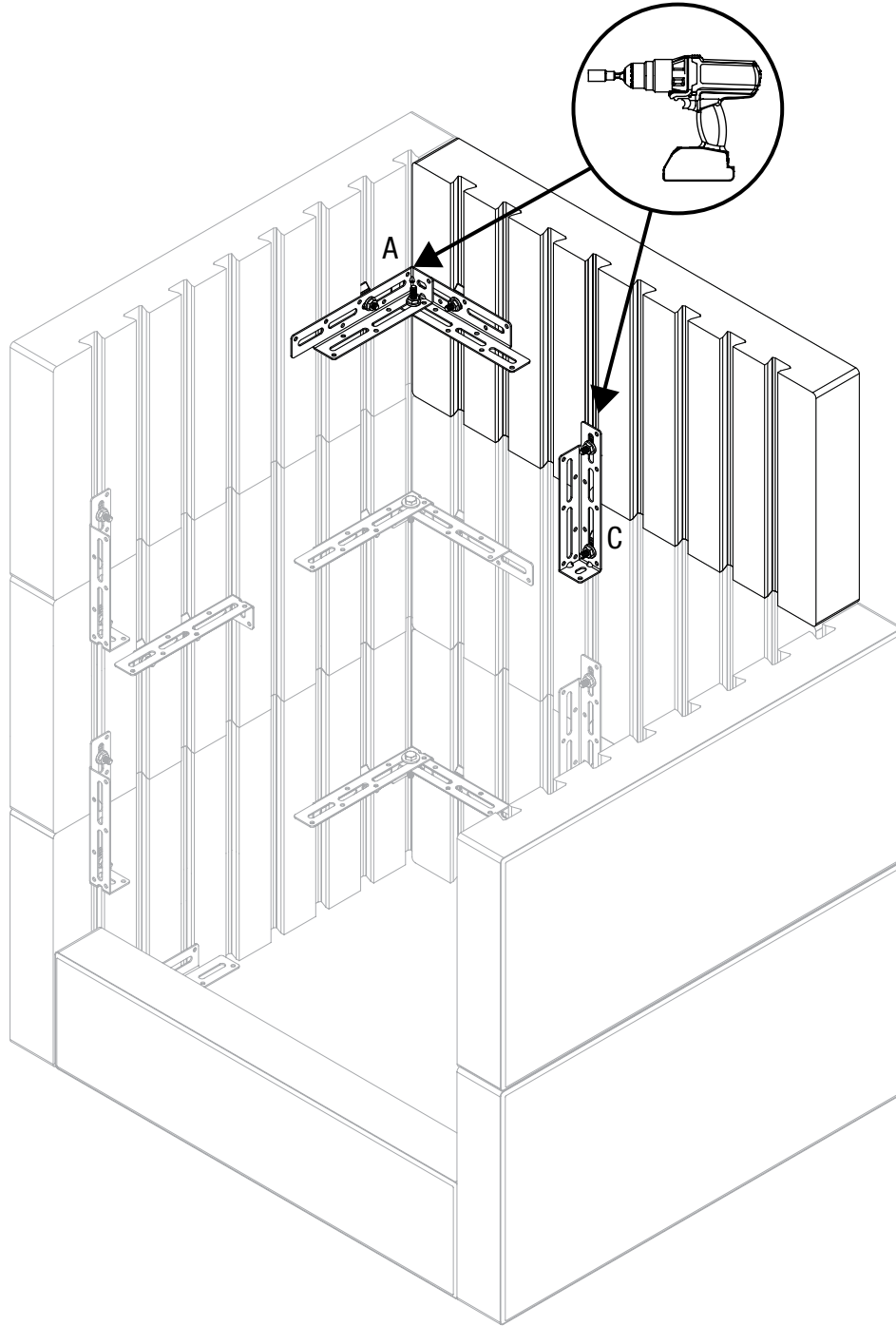
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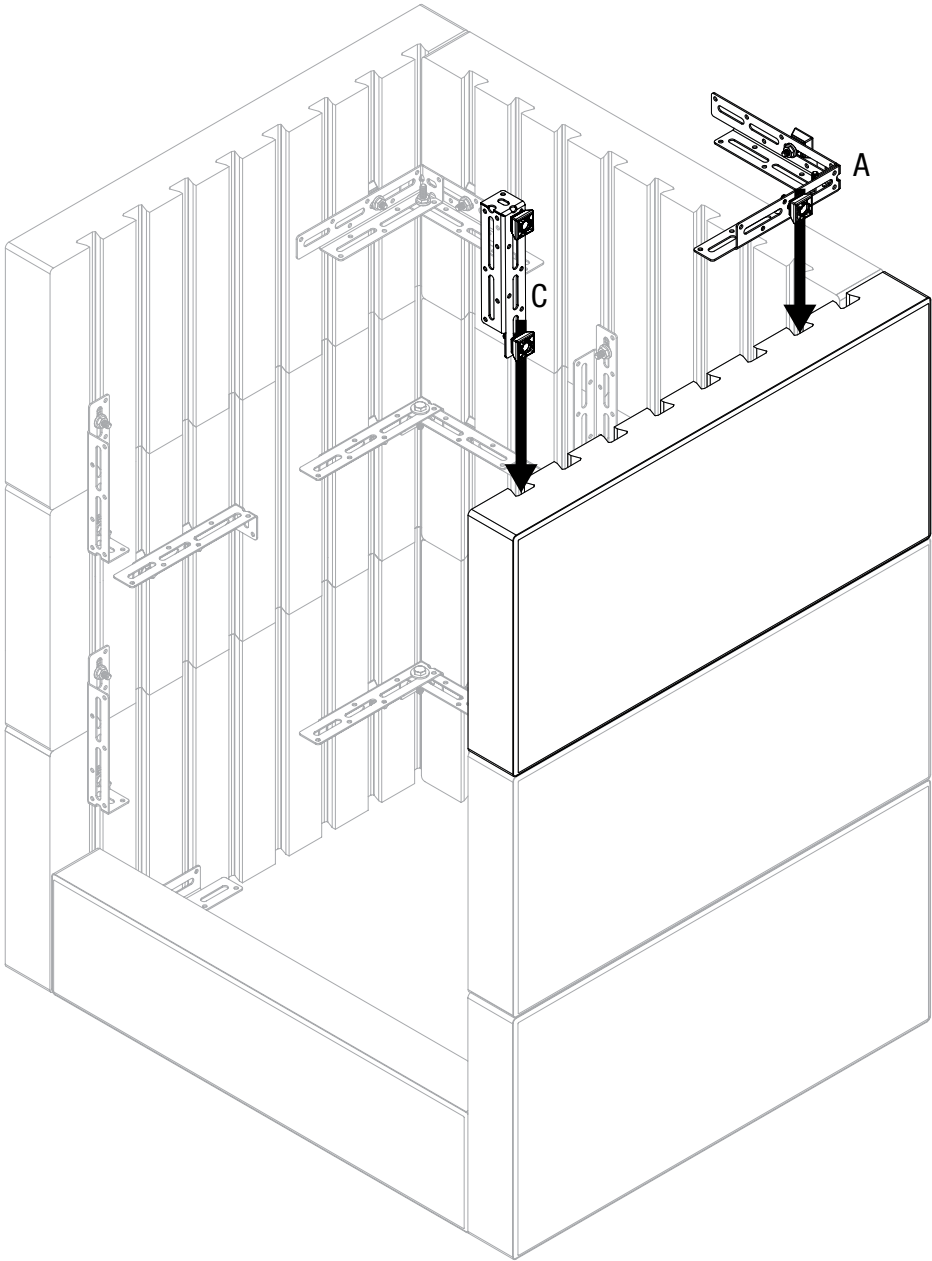
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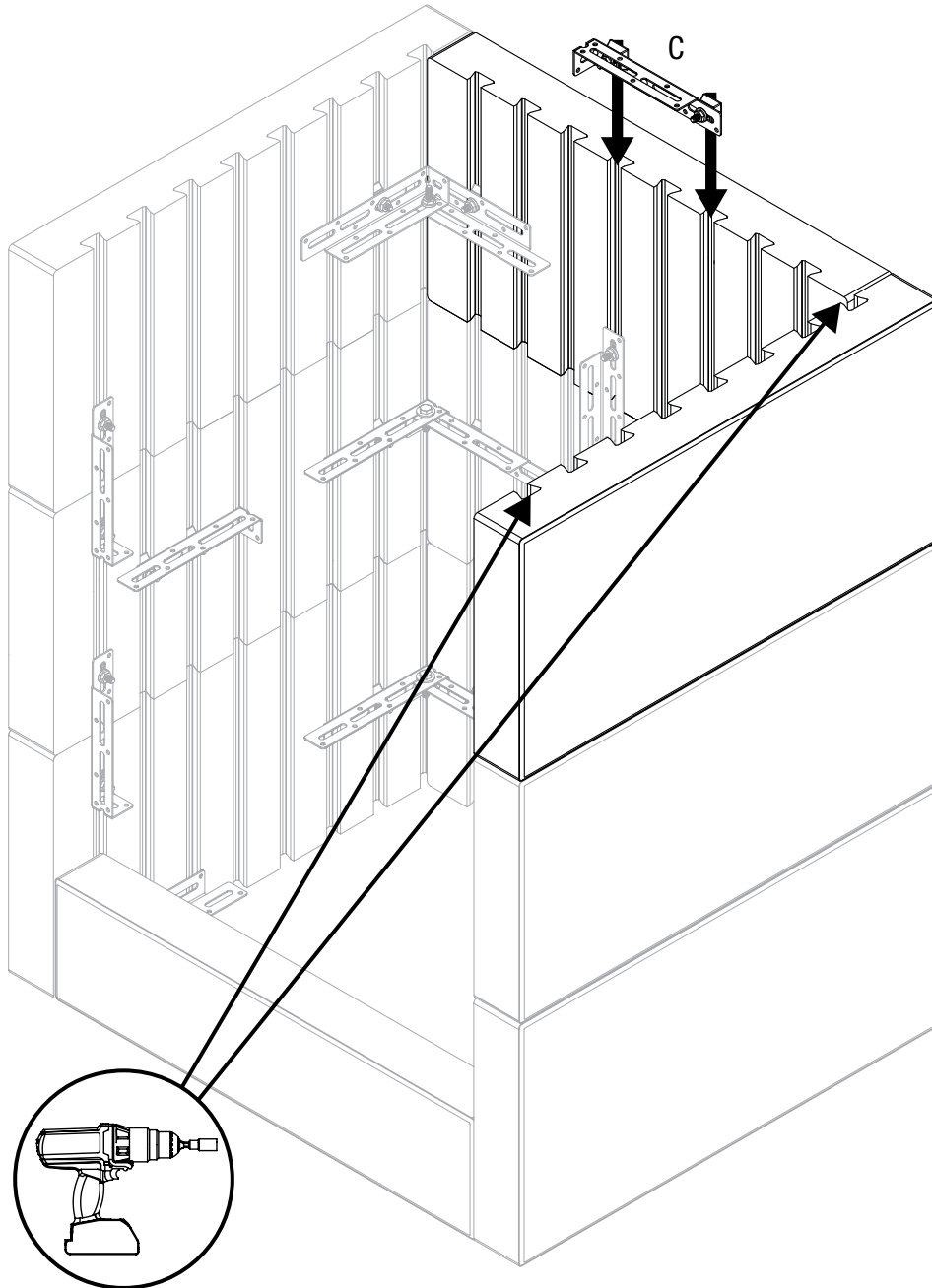
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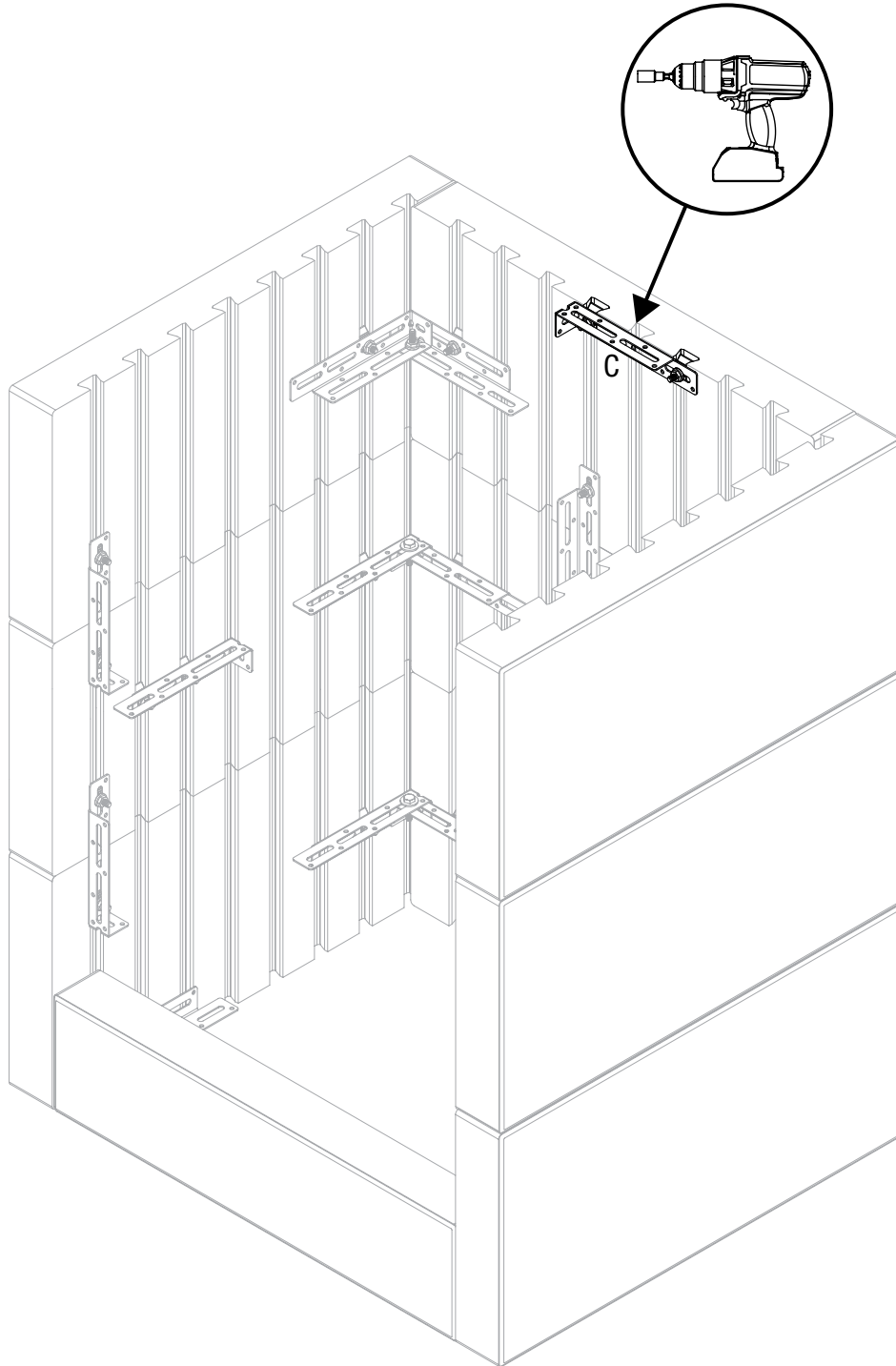
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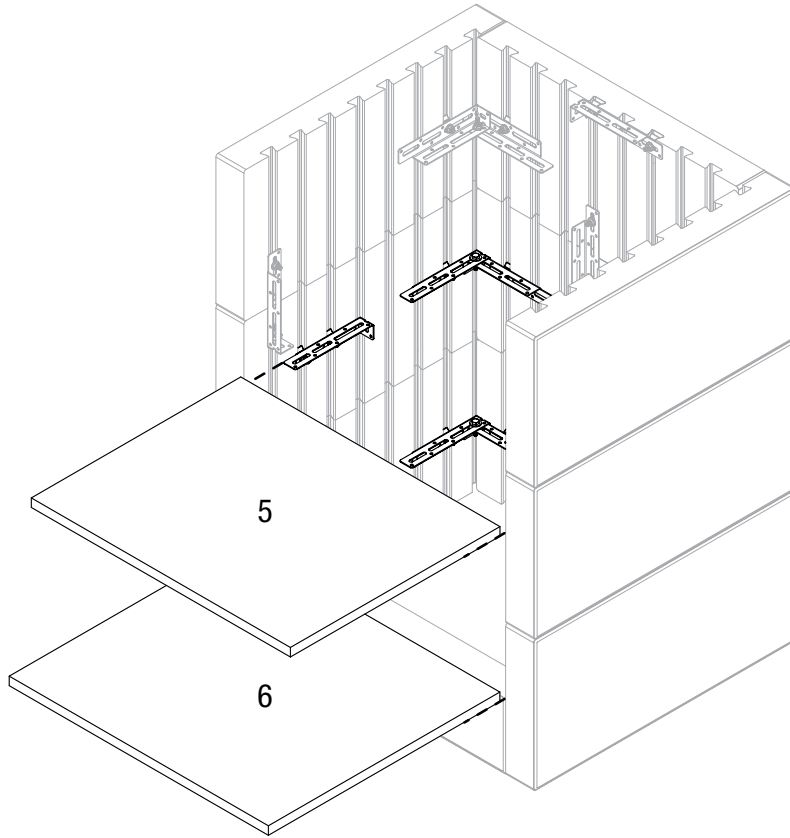
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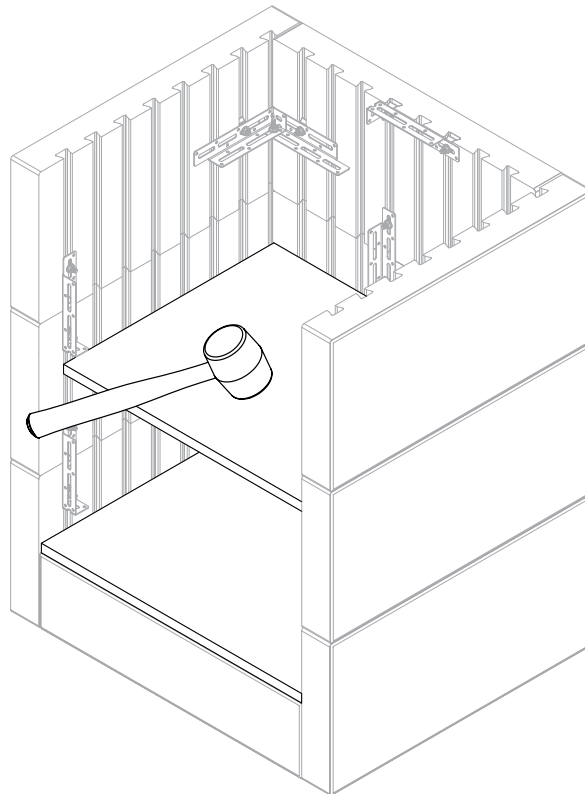
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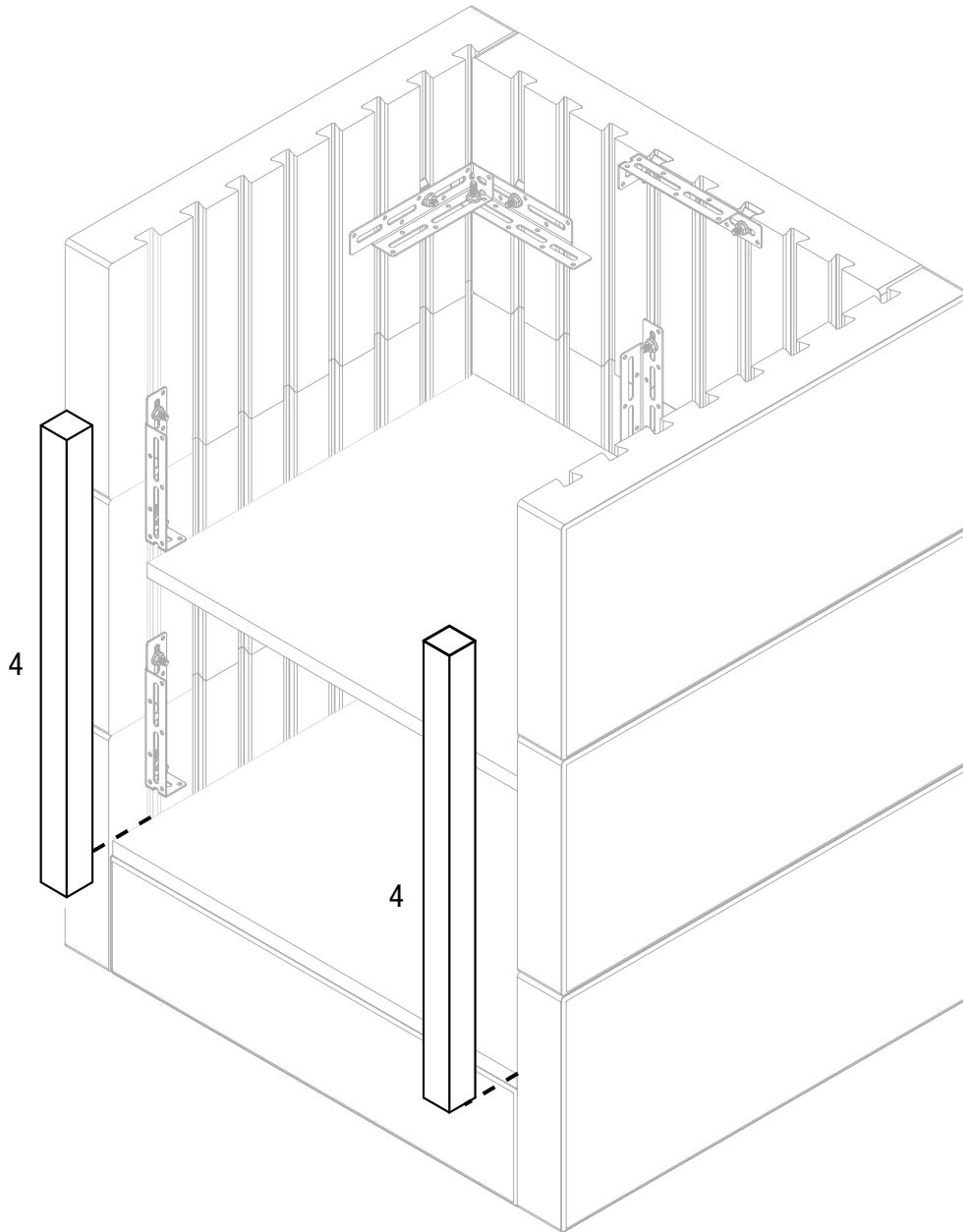
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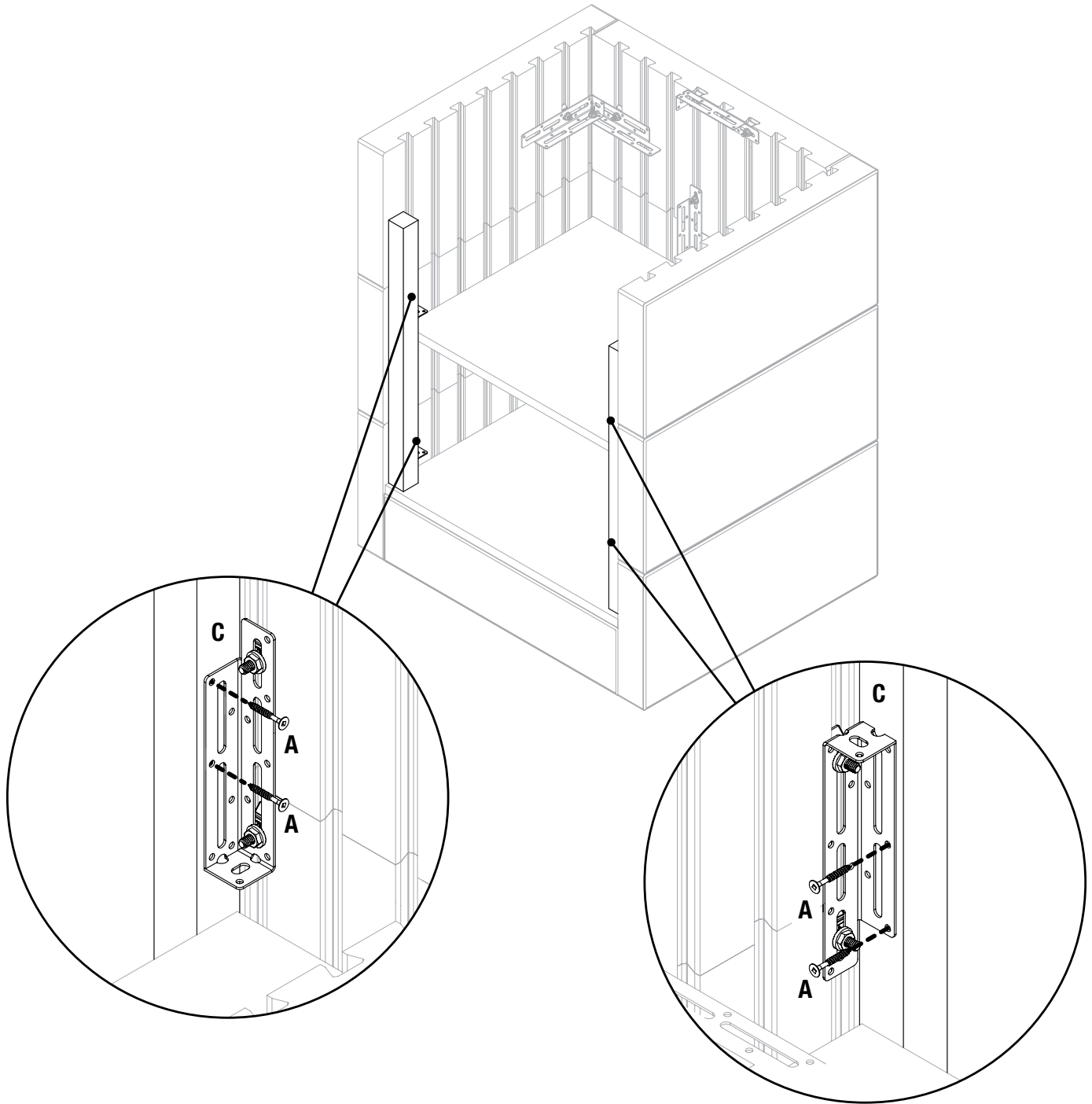
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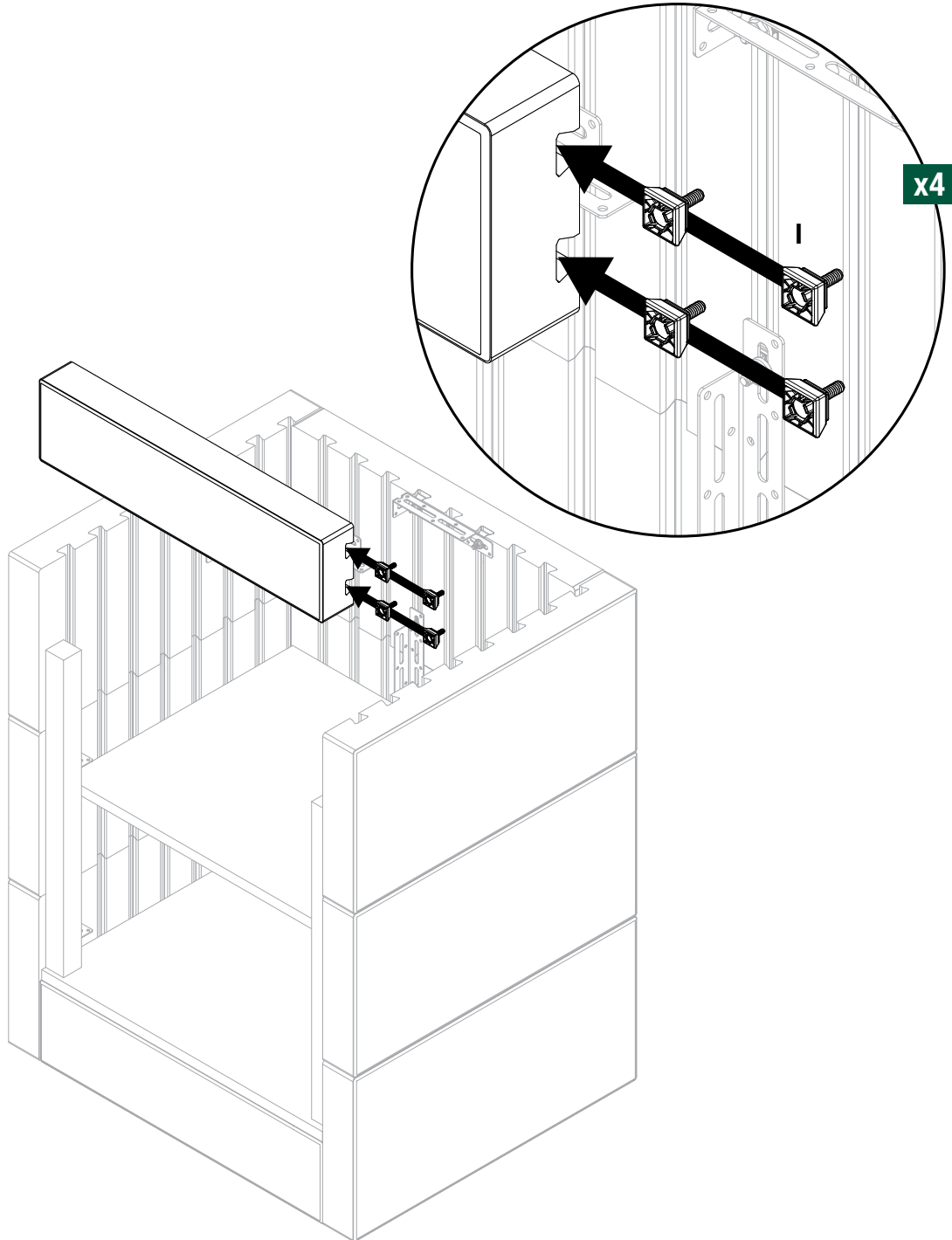
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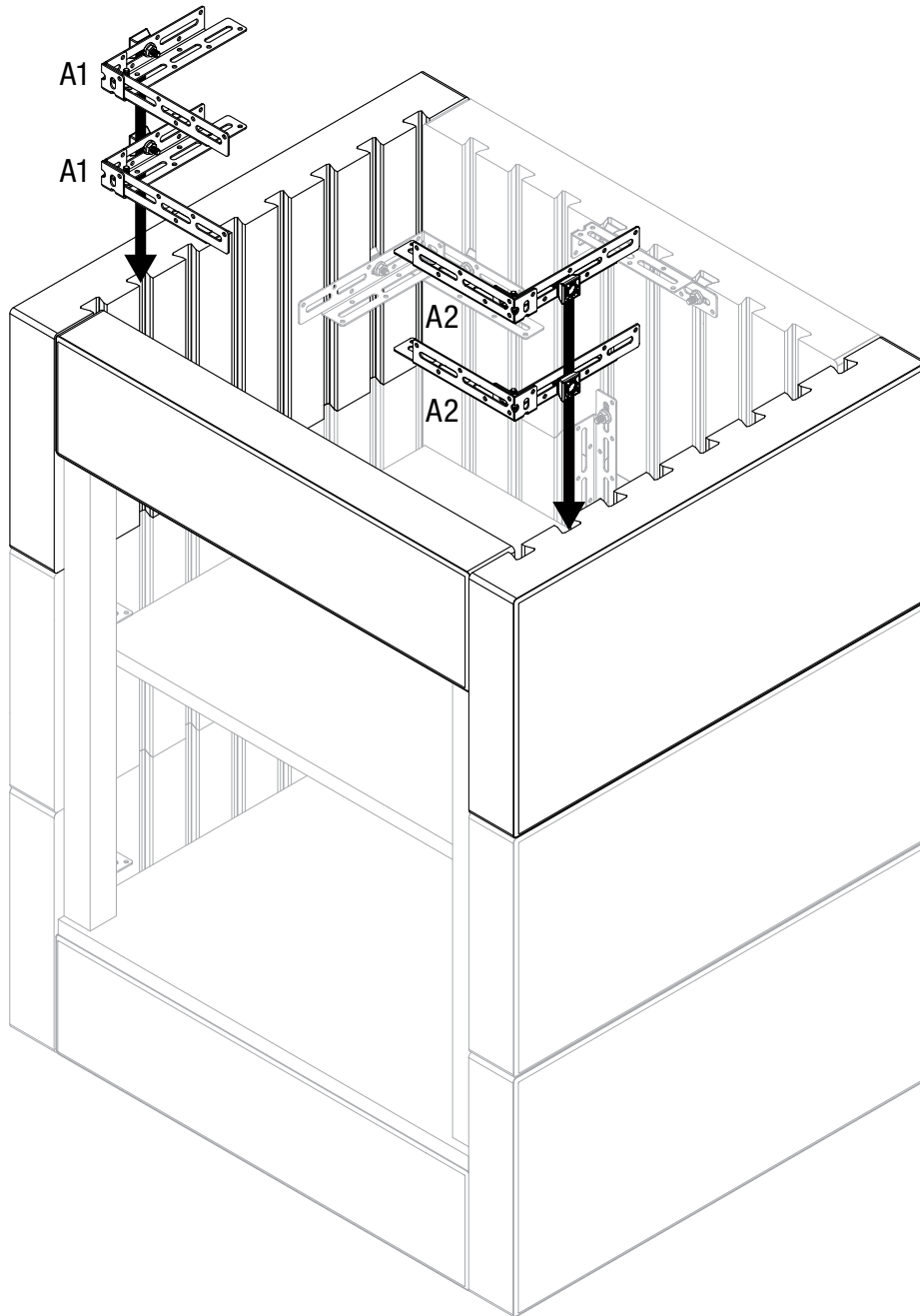
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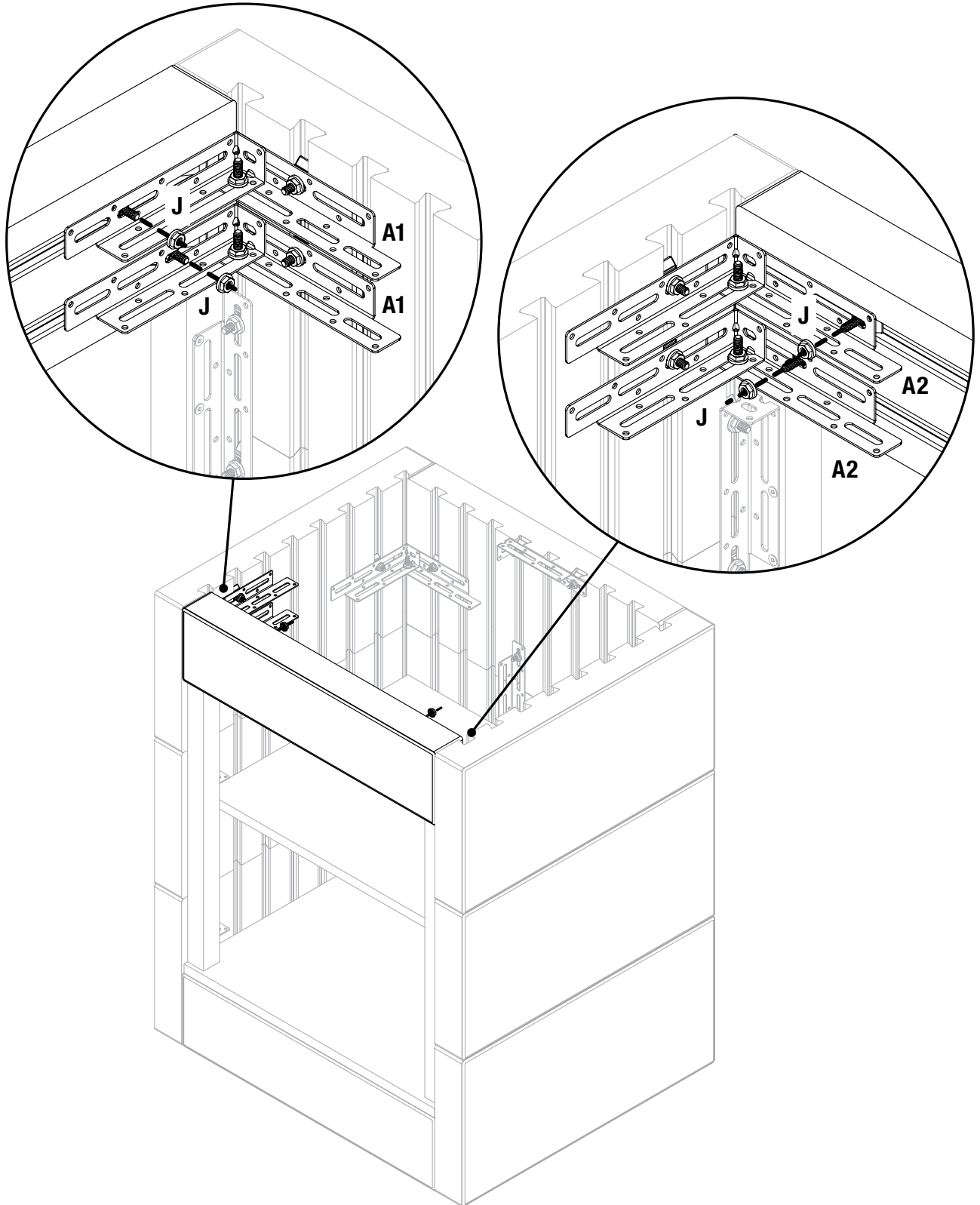
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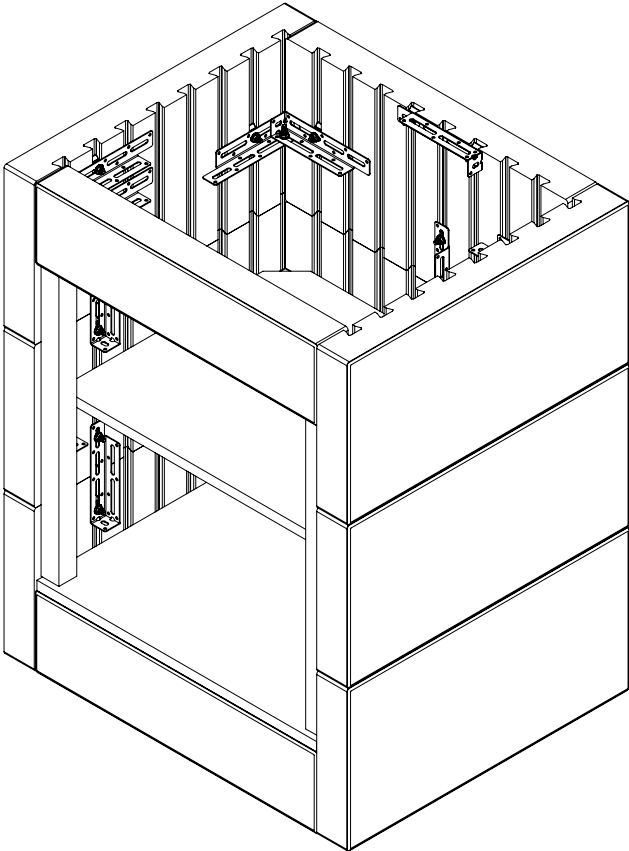


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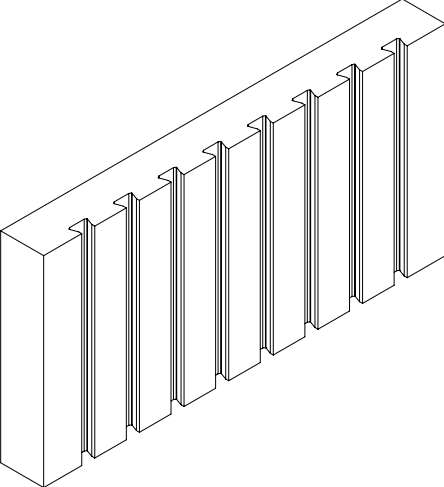
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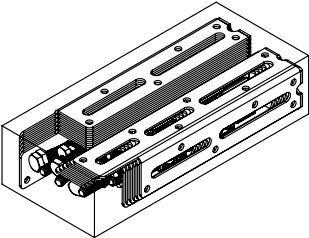


**COMPONENTS**

Large Panel (x12)  
12" x 24"

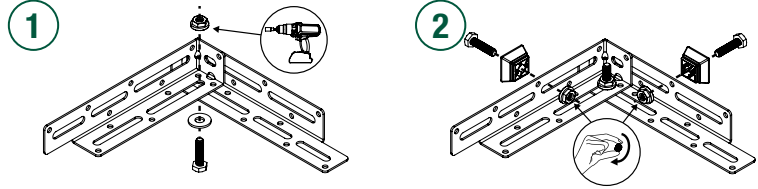
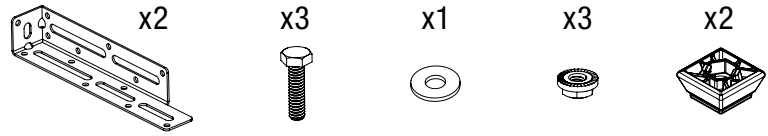
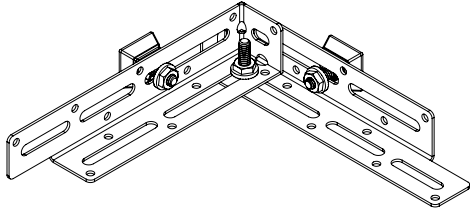


Hardware Kit (x3)



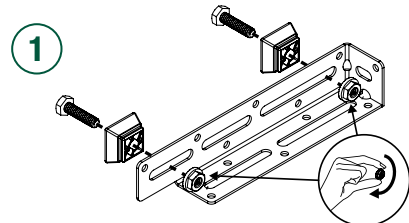
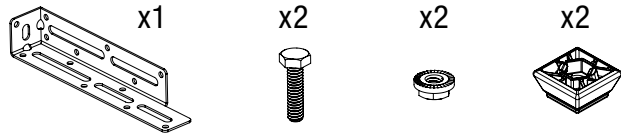
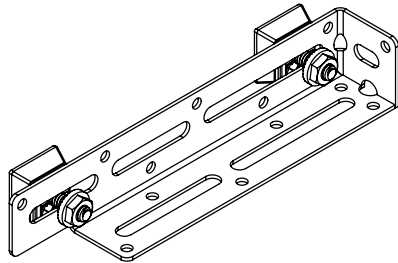
**BRACKET A**

**x12**

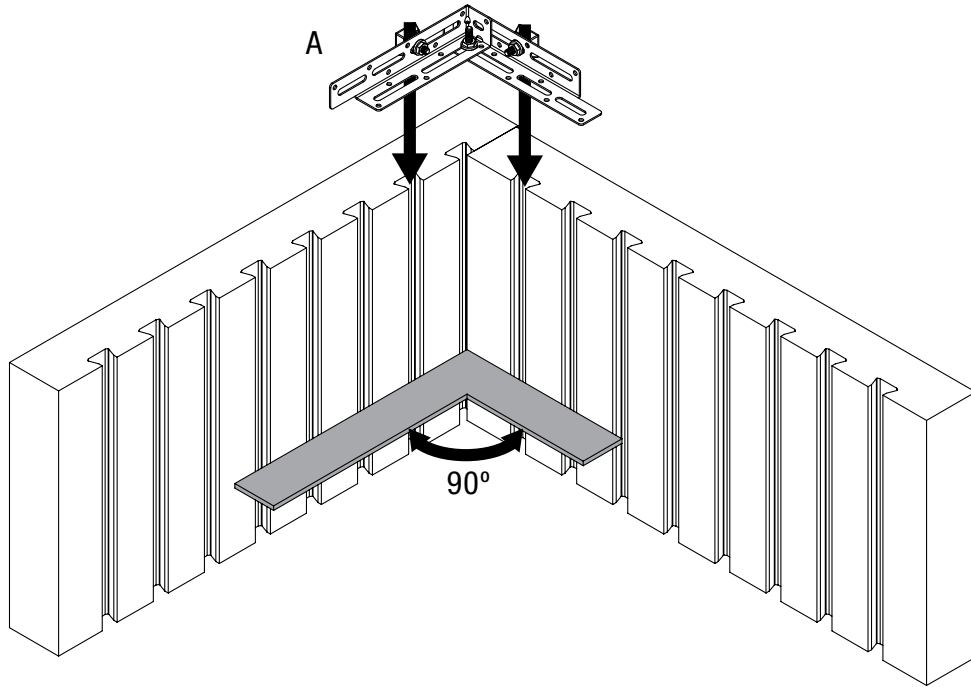


**BRACKET C**

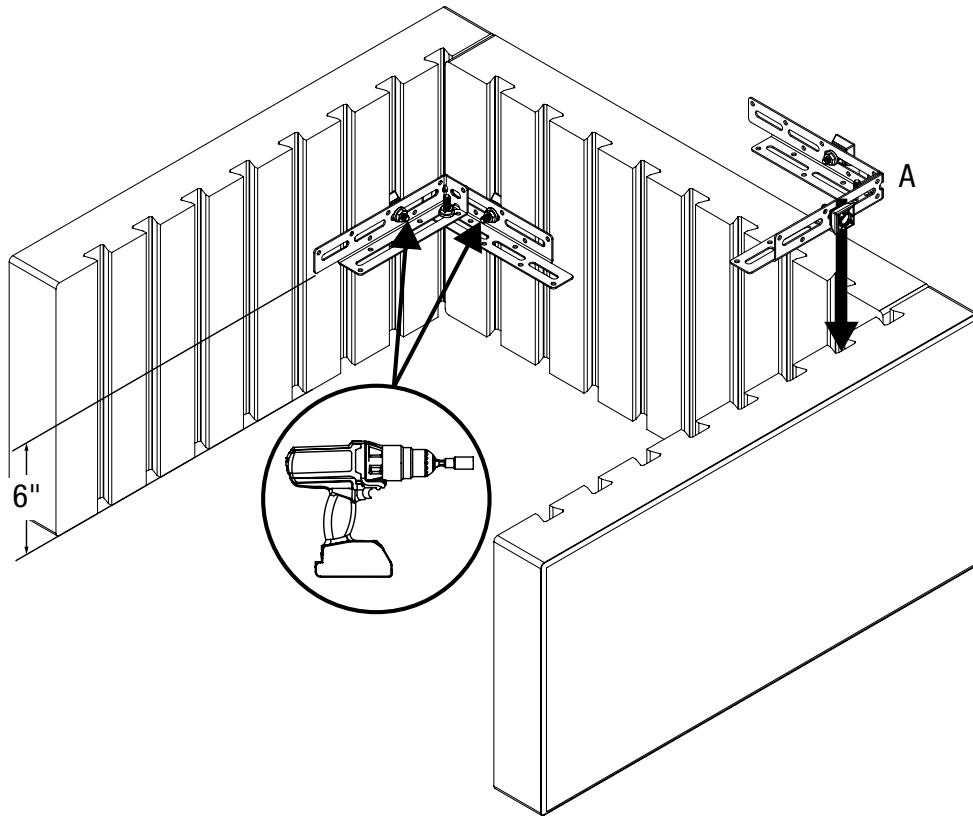
**x8**



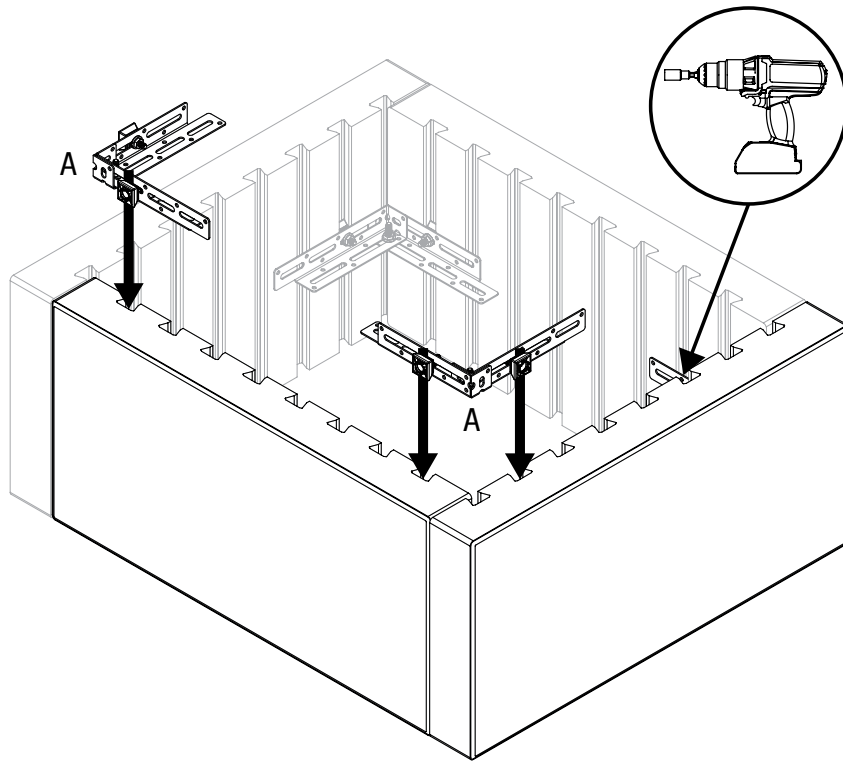
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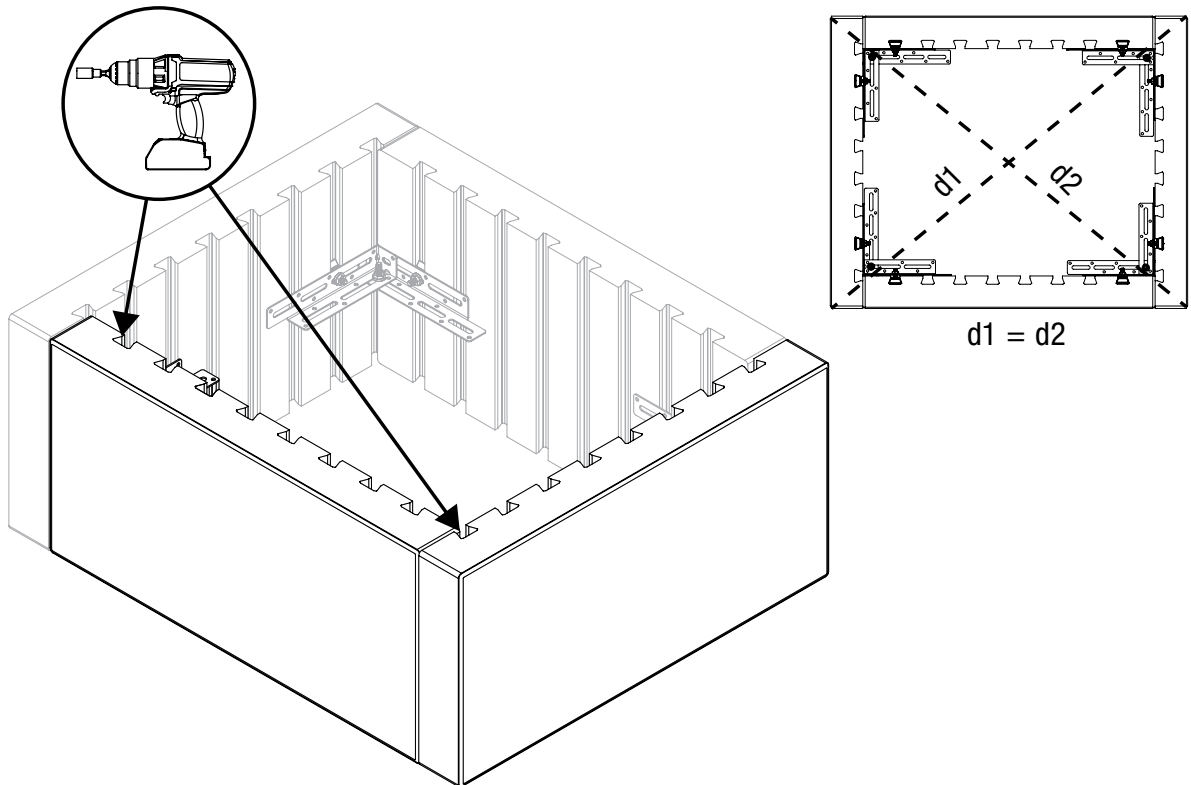
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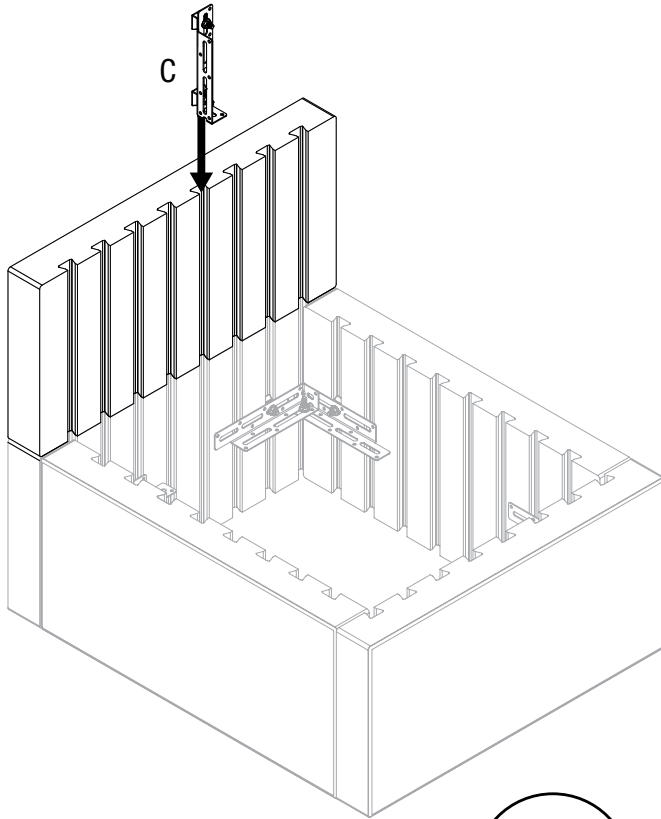
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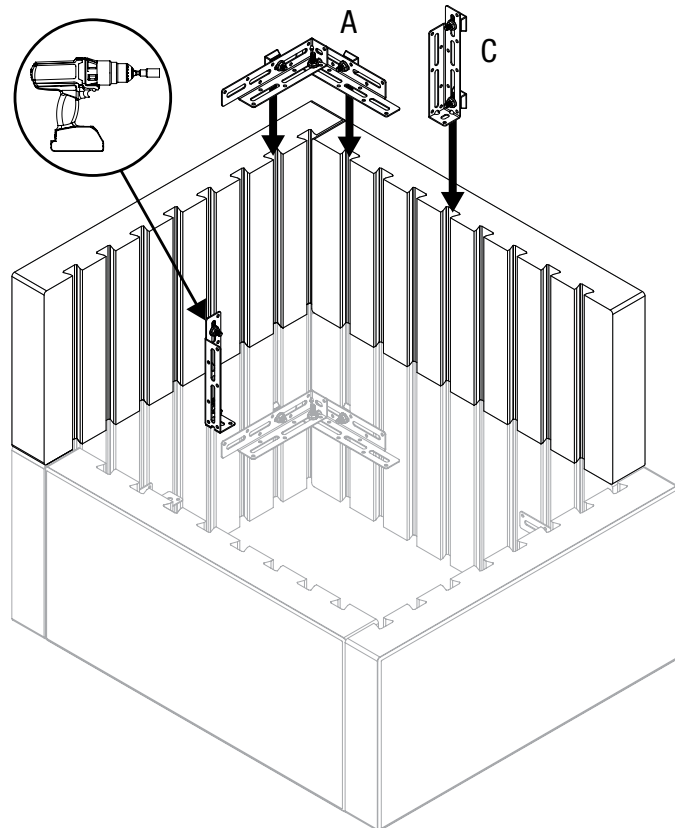
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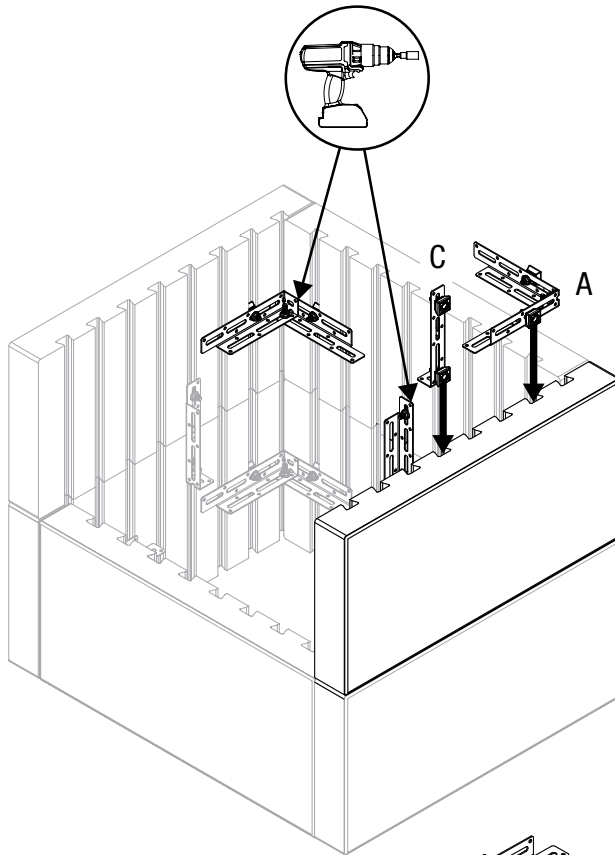
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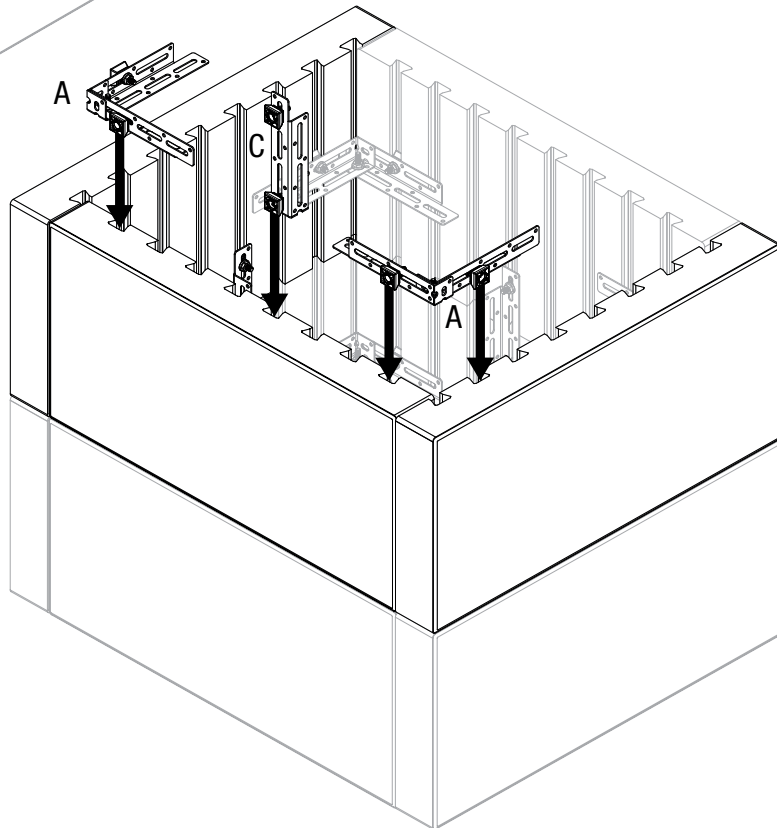
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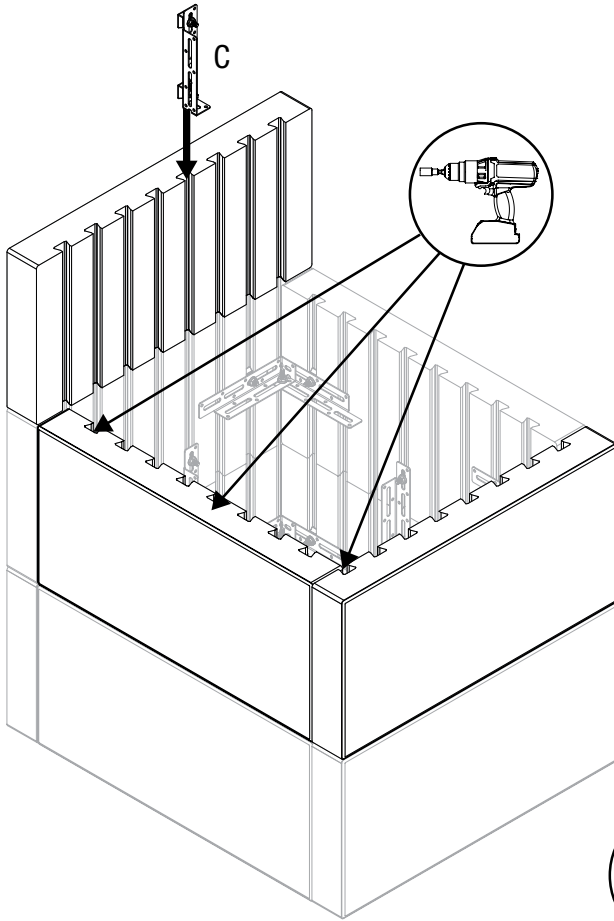
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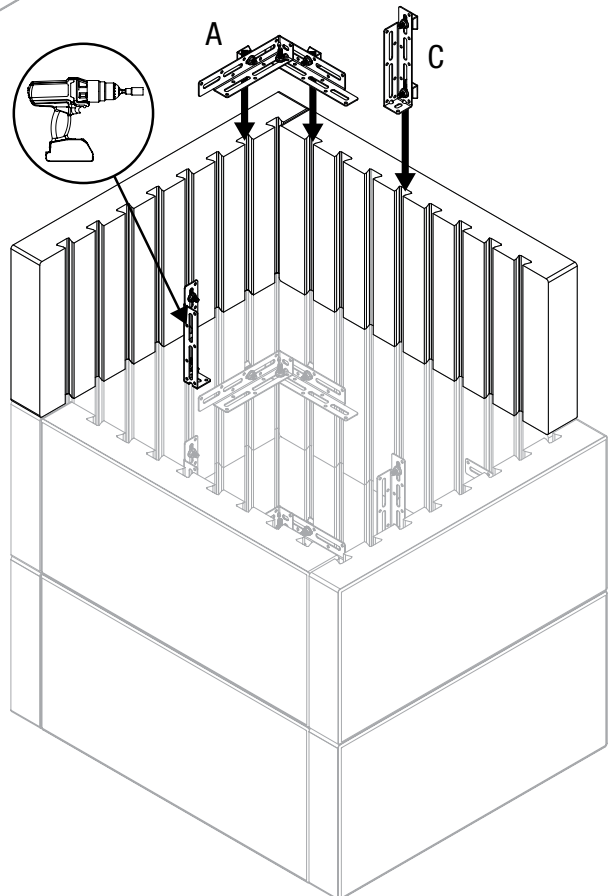
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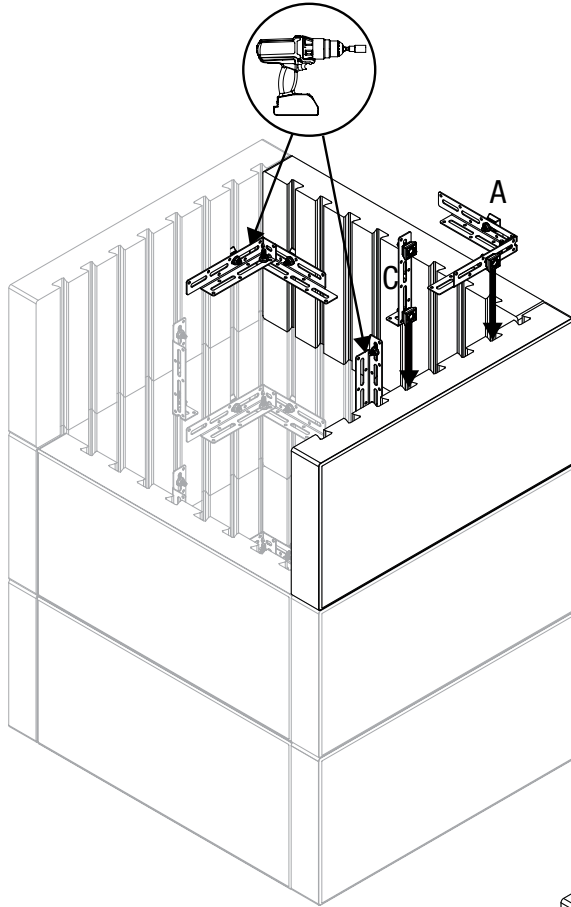
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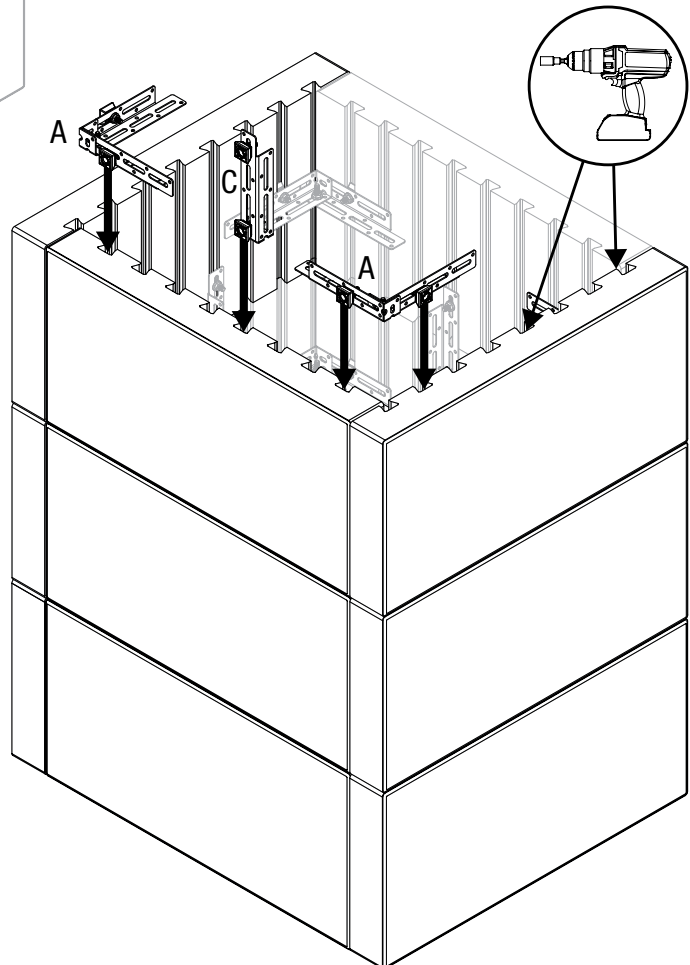
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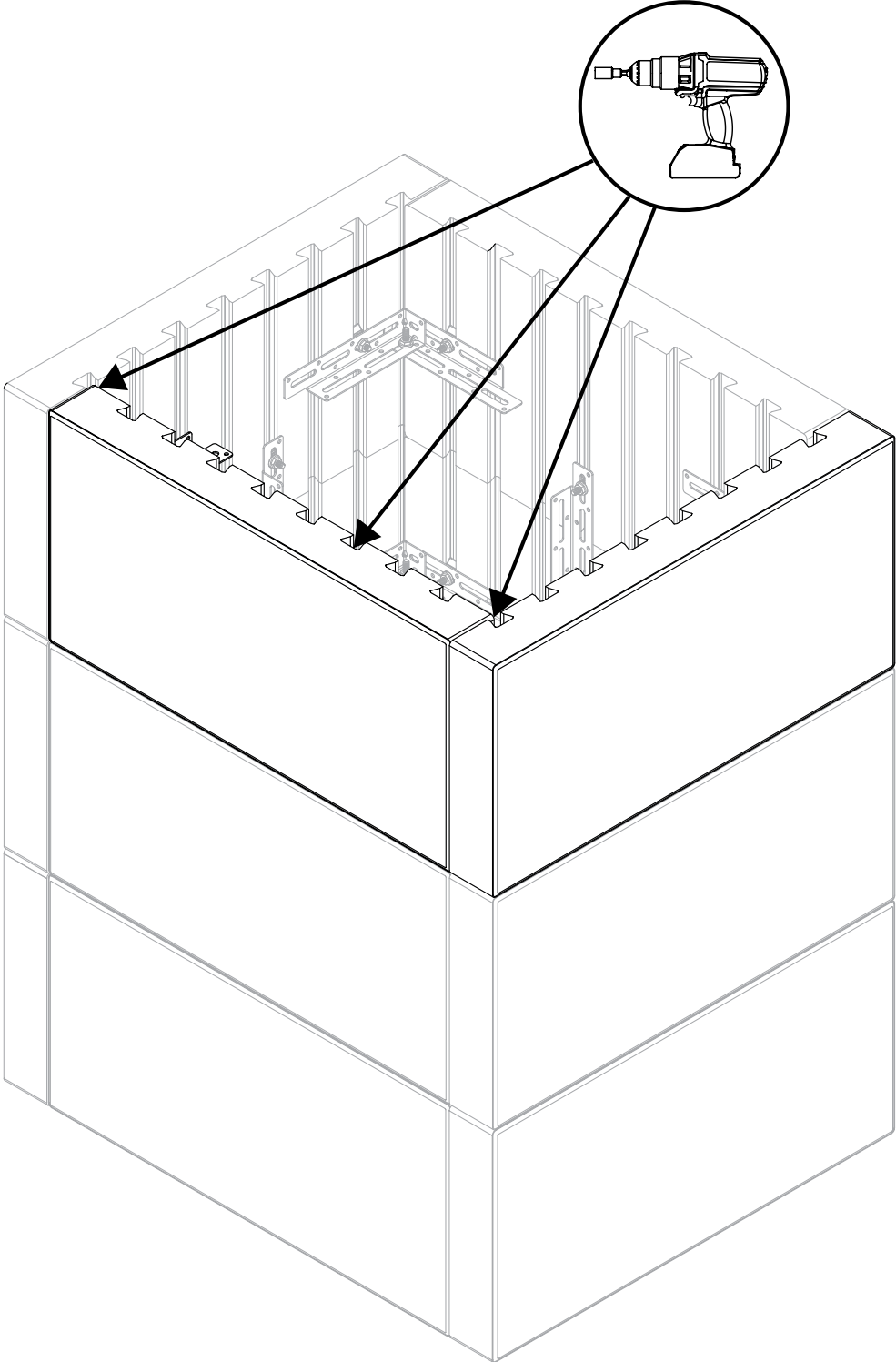
11



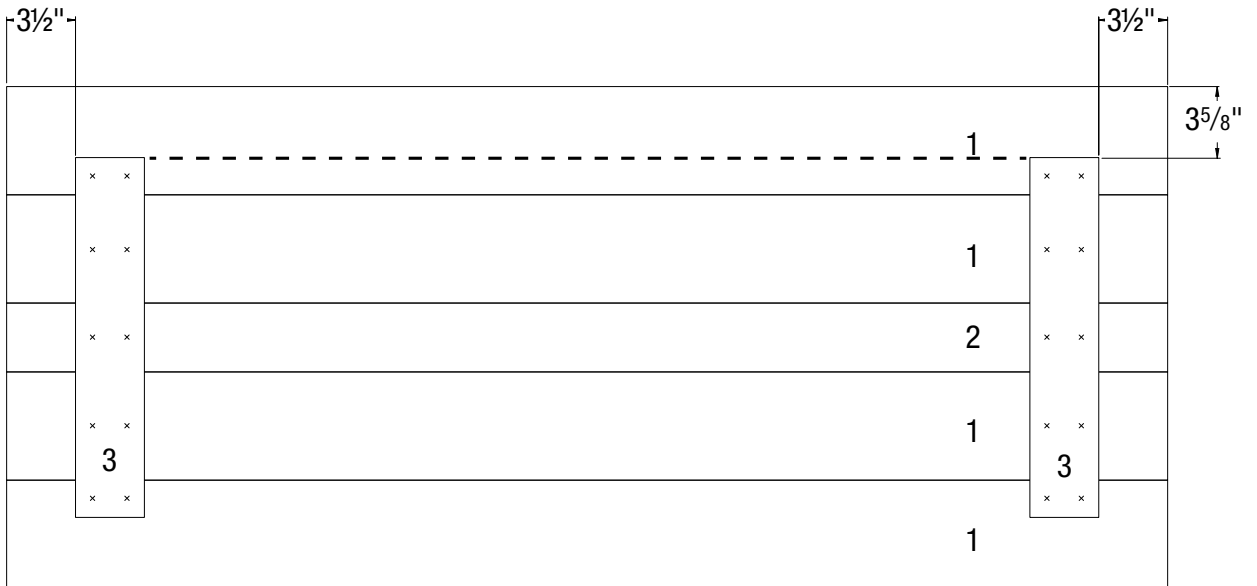
12



13

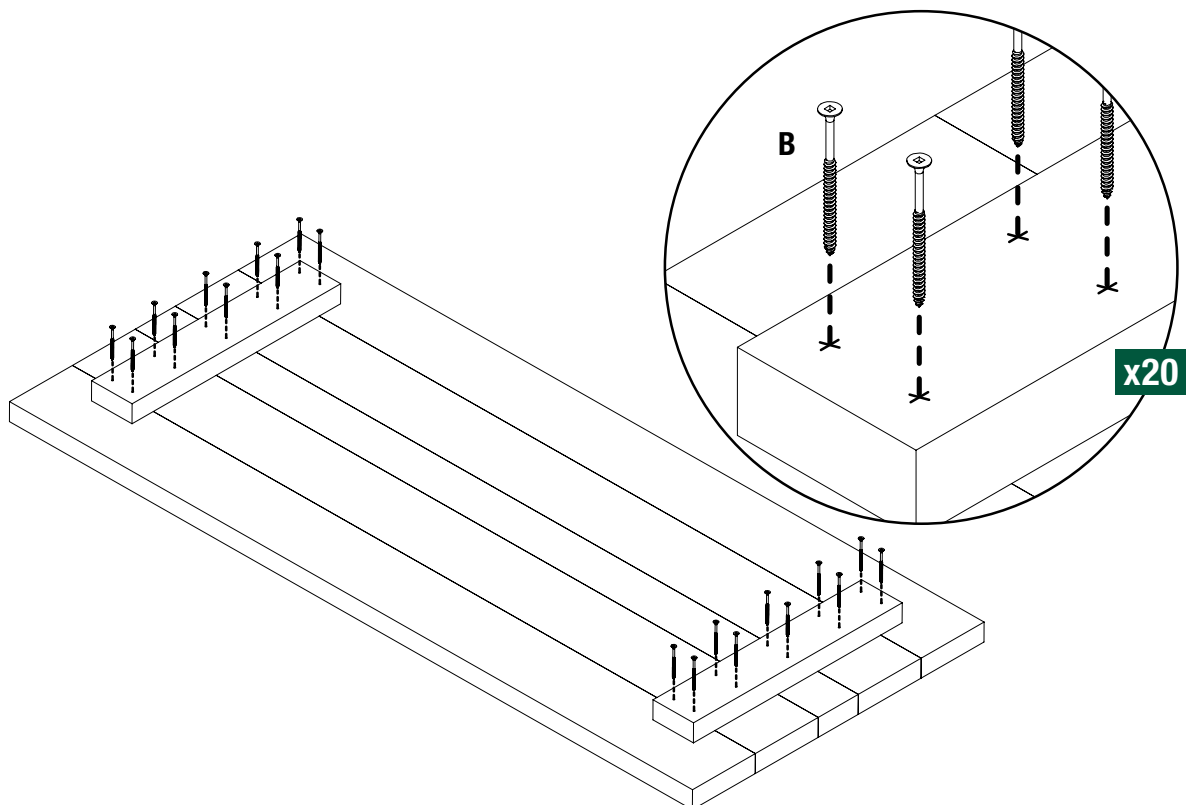


1

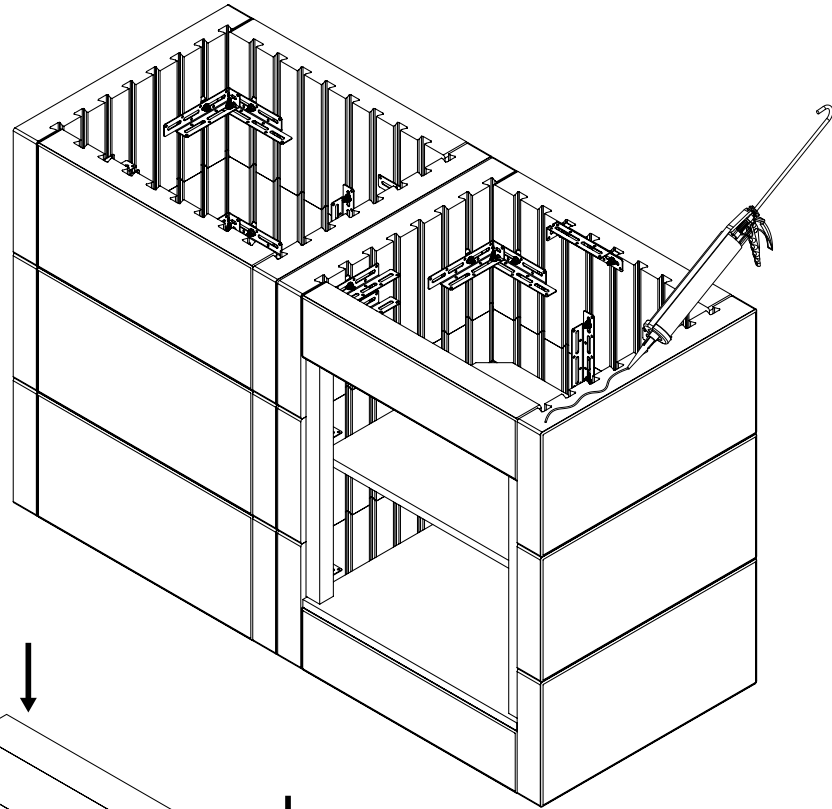


Center 2" x 4" between sides when constructing top

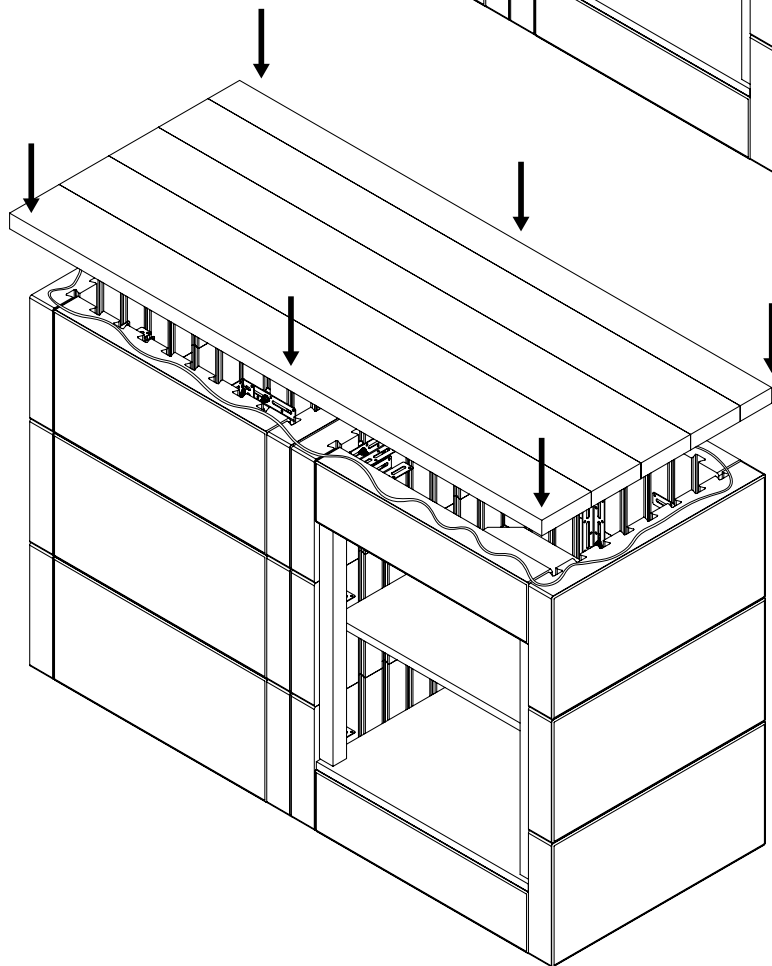
2



3



4



5

