



# Batten Installation Guide

---

2026 Version 1

# TABLE OF CONTENTS

## Section 1: **Material Info + Care**

03 | 1A. Features + Finishes

04 | 1B. Material Care + Handling

## Section 2: **Tools + Equipment**

05 | 2A. Personal Protection Equipment

05 | 2B. Tools + Accessories

06 | 2C. Fastener Guide

07 | 2D. Material + Jobsite Conditions

## Section 3: **Two-Part Batten Installation**

08 | 3A. Profile Legend

09 | 3B. Direct Batten Installation

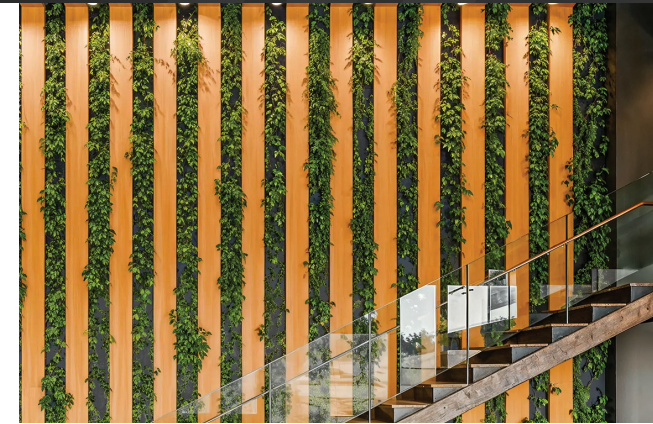
10 | 3C. Batten Bracket Installation

12 | 3D. Batten Joiner Installation

## Section 4: **Triple-Lock Batten Installation**

14 | 4A. Profile Legend

15 | 4B. Triple-Lock Self-Mating Batten Installation



Looking for more product information, resources or literature?

Visit [parallelap.com](https://parallelap.com) today.

# SECTION 1. MATERIAL INFO AND CARE

## 1A. Features + Colors

### Woodgrain Finishes



Amberwood



American White Ash



Birchwood



Blonde Teak



Brazilian Rosewood



Chocolate Teak



Classic Cherry



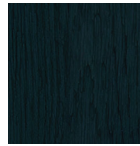
Coastal Wood



Crimson Cedar



Dark Ember



Ebony



English Chestnut



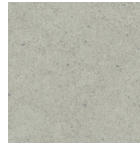
Espresso Walnut



Gilded Light Oak



Golden Cedar



Greystone



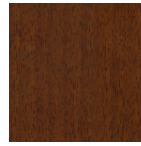
Hawaiian Koa



Heritage Royal Oak



Honeywood



Malacca



Obsidian Hickory



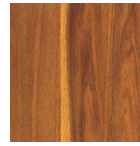
Pacific Kwila



Provincial Pine



Red Cedar



Rich Spotted Gum



Rose Mahogany



Sapwood



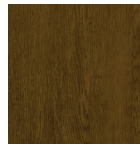
Seaside Oak



Sedona Cherry



Soft Ash



Spanish Moss



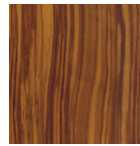
Sunlit Teak



Sycamore

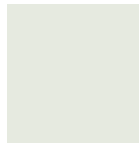


Tasmanian Oak



Warm Hickory

### Solid Colors



Alabaster Pearl



Blue Mist



Charcoal



Fawn



Grey Ash



Jet Black



Rustic Bronze



Sand Dollar



Slate



Vintage Pewter



Resists Warping  
+ Cracking



Non-Combustible  
+ Fire Safe



Marine Grade  
Material



Freeze + Frost  
Resistant



Control Unwanted  
Pests



Weatherproof  
Colors



Lightweight  
+ Easy to Install

At Parallel, we're always **expanding our color palette** to align with current trends, address market needs, and spark the creative inspiration you need to elevate your projects.



To browse all of our current finishes, scan the QR code or visit [parallelap.com/colors](https://parallelap.com/colors).

# SECTION 1. MATERIAL INFO AND CARE

## 1B. Material Care + Handling

### Before Beginning Installation:

- ✓ Research and be aware of all municipal building codes and project specifications.
  - ✓ Use appropriate personal protection equipment (PPE) and ensure a safe work environment. (See 2A. *Personal Protection Equipment*)
  - ✓ Ensure correct tools are supplied to installers and tools are in safe and working order. (See 2B. *Tools and Accessories*)
  - ✓ When materials have arrived on site, the Bill of Lading (BOL) should be located and contents of delivery checked immediately to ensure all correct components have arrived and are undamaged.
- ✓ Note: All extrusions, with the exception of accessories, come in standard 20' lengths.
  - ✓ Note: Accessory parts including end caps, base plates, cladding clips, gate hardware, and other small items are packaged in a box or container attached to the bundle or crate. These items should be located and quantities verified against the BOL.



Failure to complete or acknowledge all of the above initial steps before installation may impact product performance, void product and/or finish warranty, impact project completion time/budget, and increase the risk of personal injury.

### Care + Maintenance

There are many ways to clean aluminum, from using plain water to harsh abrasives. When cleaning your Parallel aluminum products, always try the mildest method possible. The following cleaning materials and procedures are listed in ascending order of harshness. The gentlest treatment (plain water) should be tried on a small area and if not satisfactory only then should you attempt to apply the next item on the list.

- Plain water
- Mild soap or detergent
- Solvent cleaning, e.g. kerosene, turpentine, white spirit
- Non-etching chemical cleaner
- Wax base polish cleaner
- Abrasive wax
- Abrasive cleaner

Once you have cleaned the affected area(s) with the proper cleaner, rinse the aluminum surfaces and thoroughly dry them in order to avoid streaking. Always be sure to follow the directions given by the maker of any specific cleaning chemical you may use.

### Handling + Storage

Aluminum does not need much maintenance in order to stay in peak condition. It will not corrode, mar or warp in the ways that other materials often do when being transported or stored. For the best results, Parallel products should be stored indoors or covered until ready to be installed. Do not remove protective film until time of installation. Do not allow moisture to accumulate beneath film.

At Parallel, we make an effort to pack up all orders so that they are as protected as possible against the conditions that could potentially damage the products, such as abrasions or staining. We strategically wrap our products in paper and plastic wrapping to prevent any flexing, twisting, or outside contact with any visible surfaces. While we take great care in producing, packing and shipping our orders, we cannot control for all variables, thus it is important to inspect all orders as soon as possible after arrival to ensure that no damage has been caused by unpredictable or extreme transport conditions.

*For more detailed information on handling and storage, see our full Product Terms and Conditions, provided to you by your Parallel representative.*

## SECTION 2. TOOLS AND EQUIPMENT

### 2A. Personal Protection Equipment (PPE)



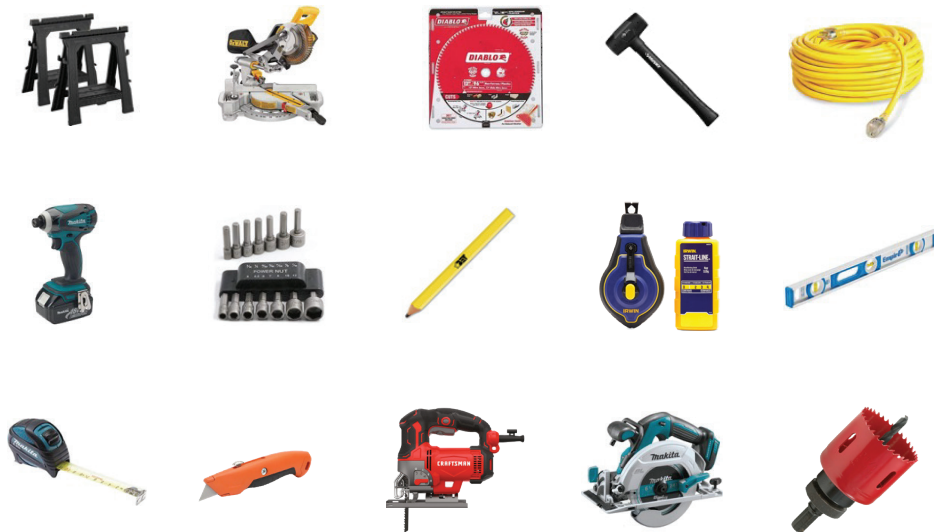
Parallel Architectural Products recommends the appropriate use and application of the following PPE during installation:

1. Steel Toe Boots
2. Cut Resistant Gloves
3. Safety Glasses
4. Hard Hat
5. Ear Protection
6. Safety Vest
7. Fall Protection
8. First Aid Kit



**WARNING:** Consult your local safety codes and regulations.

### 2B. Tools + Accessories

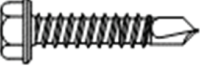



The following general tools are needed for a successful installation:

1. Sawhorses / Worktables
2. 12" Sliding Compound Miter Saw
3. 96T Non-Ferrous Metal Cutting Blade
4. Dead Blow Hammer (*Do Not Use Rubber Mallet*)
5. Extension Cord
6. Impact Driver
7. Nut Driver Set
8. Carpenter's Pencil
9. Chalk Line
10. Level
11. Tape Measure
12. Utility Knife
13. Jigsaw (optional)
14. Circular Saw
15. Bi-metal Hole Saw

## SECTION 2. TOOLS AND EQUIPMENT

### 2C. Fastener Guide

Fasteners	Type	Size	Length	Systems	Make	Applications	Uses
	Self-Tapping Hex Head (5/16")	#10, #12, #14	1/2", 3/4", 1"+, 2"+	Fencing, Gates, Guardrail, Cladding, Soffit, Screening, Battens	Hot-dipped galvanized, epoxy-coated (coarse thread)	Metal to Metal	<ul style="list-style-type: none"> <li>• Battens to metal furring/channel/ light gauge</li> <li>• Battens to metal posts/beams</li> </ul>
	Hex Head Roofing Screw (w/ washer)	#10	1", 2"	Battens	Hot-dipped galvanized, epoxy-coated (coarse thread)	Metal to Wood	<ul style="list-style-type: none"> <li>• Battens to wood furring/stud</li> </ul>

NOTE: Parallel does NOT automatically provide fasteners with the material. Rely on this table to select the proper fasteners for installation.

*Parallel can source and supply fasteners and saw blades for an additional cost! Contact [info@parallelap.com](mailto:info@parallelap.com) for more details.*

# SECTION 2. TOOLS AND EQUIPMENT

## 2D. Material + Jobsite Conditions

### Moisture Resistance

Parallel Architectural fencing and gate products are highly water resistant. Post end caps are fixed via epoxy or structural silicone, providing a watertight seal in post assemblies. Fence, gate and screening posts should be wrapped in painter's tape (or other) when set in a typical concrete footing. Please review your local building codes or architectural specifications to ensure any necessary regulations are followed during installation.

- Never install directly on pressure treated materials.
- Masonry and concrete walls may require specified fastening per application.

### Woodgrain Patterns

Parallel's premium woodgrain finishes have a distinctive repeat pattern of 4', which varies by finish selection. It is suggested to alternate batten selection from two or more cases during installation. When working with a single case of product, select every other board. Installers using multiple cuts from the same batten should flip and rotate each board orientation for the most authentic pattern.

Prior to installation and fabrication, remove the protective sublimation film.

### Safety Regulations

Please adhere to all applicable safety regulations, particularly OSHA guidelines. For your protection, ensure proper use of safety equipment including gloves, protective eyewear, and fall protection equipment when installing Parallel aluminum products.

### Warranty Registration

Register your warranty by filling out the form found at [parallelap.com/warranty](http://parallelap.com/warranty), or provided by your sales representative. Once complete, submit your warranty form to [info@parallelap.com](mailto:info@parallelap.com).

### Expansion and Spacing





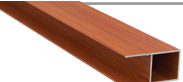
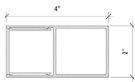
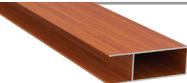



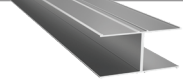
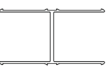

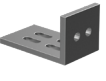
Parallel Architectural fence and gate slats may be installed for full privacy or with custom spacing. Typical post spans should not exceed 6' on center for most fencing applications (vertical and horizontal). Slats begin to experience flex/deflection at 7' spans. Typical post heights should not exceed 6' tall for most fencing applications.\*

- **B-2x2F & B-2x4F:** Lower attachment spans at 7' - 11' O.C.
- **B-2x6F & B-2x8F:** Higher attachment spans at 16'+ O.C.

*\*Consult Parallel Product Support or project EOR (engineer on record) for project-specific applications that may seek to exceed the listed maximum spans/heights.*

# SECTION 3. TWO-PART BATTEN INSTALLATION

## 3A. Profile Legend

		<b>B-2x2M</b>	2" Batten Base – 2" x 2" x 20'
		<b>B-2x2F</b>	2" x 2" Female Batten – 2" x 2" x 20'
		<b>B-2x4F</b>	2" x 4" Female Batten – 2" x 4" x 20'
		<b>B-2x6F</b>	2" x 6" Female Batten – 2" x 6" x 20'
		<b>B-2x8F</b>	2" x 8" Female Batten – 2" x 8" x 20'
		<b>B-J2</b>	Batten Joiner – 2" x 2" x 20'
	-	<b>B-BU2</b>	Batten U Bracket – 2" x 2"
	-	<b>B-BL2.5</b>	Internal Batten Bracket – 1-1/2" x 2-1/2" x 1-1/2"

## SECTION 3. TWO-PART BATTEN INSTALLATION

### 3B. Direct Batten Installation

The following guide includes step-by-step instructions to perform proper installation of Parallel two-part battens in a direct attachment.

#### STEP 1 | Batten Base Male Installation (B-2x2M)

- **Parallel Typical Battens are traditionally installed directly to a structure or surface. The 2" male base component (B-2x2M) is used in conjunction with any 2" female batten component:**
  - Cut the Male Batten (B-2x2M) to the required length and directly attach it to the structure or surface using a self-tapping hex-head fastener.
  - Place two adjoining fasteners equally spaced within the (B-2x2M) male channel at each attachment point. Allow for 1/2" gap between two (2) butt-joined battens spanning beyond 40'.
  - Be sure to fasten with slotted holes at one end of the butt-joint seam to control any potential thermal expansion.

*Note: Fastener spans and specifications may vary per project. Be sure all finishing cuts are straight and level to ensure proper end cap termination.*



Fasten directly to wall or structure

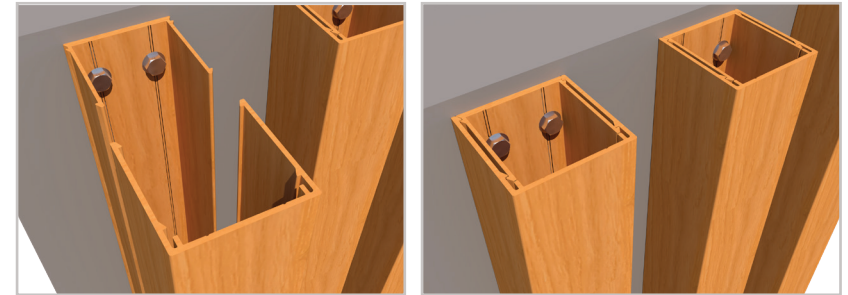


1/2" gap and slotted holes

#### STEP 2 | Complete Batten Assembly (B-2x2F)

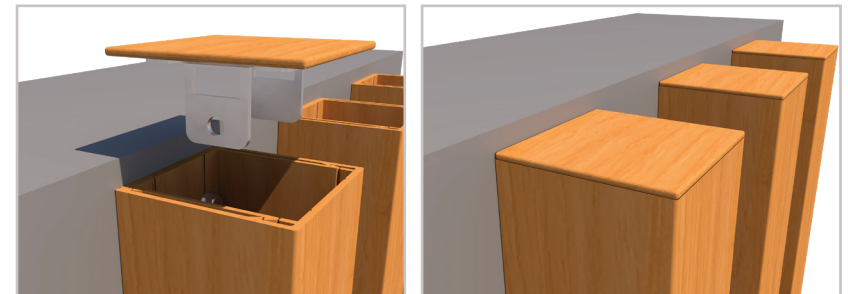
- Cut the Female Batten (B-2x2F) to the required length. Starting at one end, insert the male legs of the B-2x2M into the open channel of the female B-2x2F profile.
- Use a dead-blow hammer or vice clamps to join the profiles until the two fully snap together. The seams should be flush, indicating a uniform, fully mated profile.

*IMPORTANT: DO NOT MATE batten parts together until you are ready to complete the scope. 2-Piece Battens are virtually impossible to separate without damaging the product.*



#### STEP 3 | End Cap Installation (B-EC2x2)

- **All batten end caps use fold-in tabs to friction fit the inside of their respective profile.**
  - Bend each tab of the end cap to roughly 100° - 120° (angle may vary). Adjust the tabs as necessary for a flush, secure fitment.
  - Apply a bead of structural silicone to each tab to ensure a snug fit inside the profile cavity. Allow silicone to cure overnight for best results.



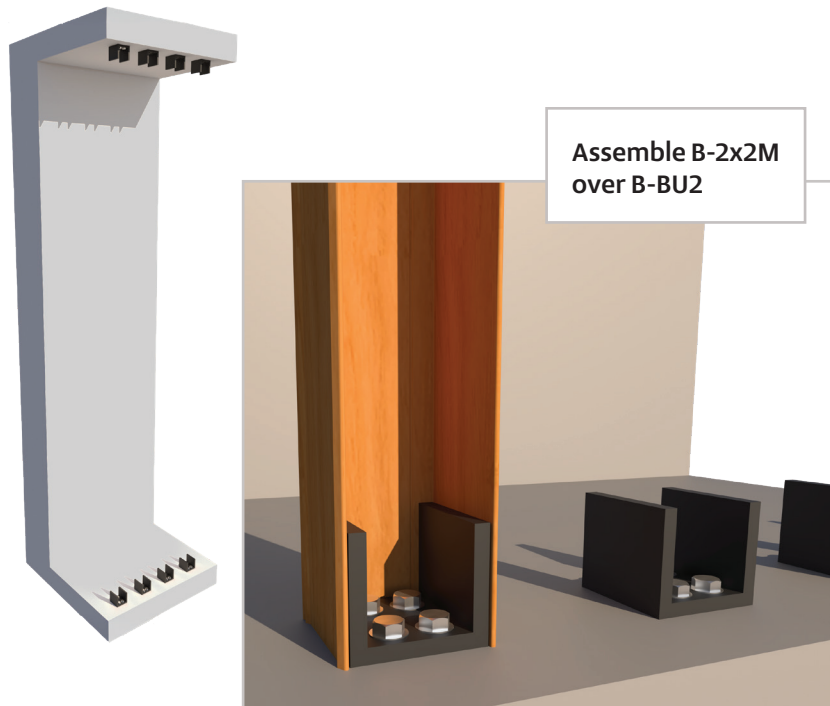
## SECTION 3. TWO-PART BATTEN INSTALLATION

### 3C. Batten Bracket Installation

The following guide includes step-by-step instructions to perform proper installation of Parallel Batten Brackets.

#### STEP 1A | 2" x 2" Batten Bracket (End-to-End / Perpendicular)

- **Parallel two-part battens use a concealed bracket for perpendicular attachment such as wall-to-wall and floor-to-ceiling. When using 2" x 2" battens (B-2x2M, B-2x2F):**
  1. Attach the Batten U Bracket (B-BU2) to the surface or structure using four (4) self-tapping fasteners.
  2. Cut both male and female batten components (B-2x2M, B-2x2F) to size.
  3. Slide each end of B-2x2M over the flanges of the B-BU2 bracket. 2" x 2" battens are secured to B-BU2 via friction fit attachment. No fastening required.
  4. Advance to Step 2A to complete the assembly.



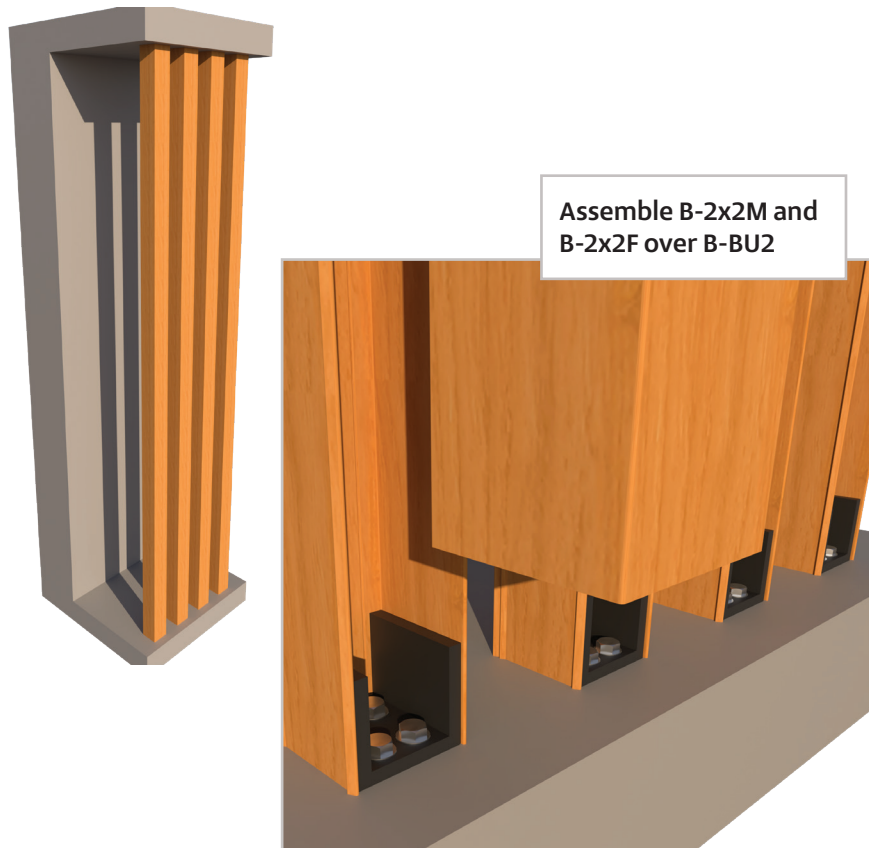
#### STEP 1B | 2" x 4" (+) Batten Bracket (End-to-End / Perpendicular)

- **Parallel two-part battens use a concealed bracket for perpendicular attachment such as wall-to-wall and floor-to-ceiling. When using 2" x 4" battens or larger (B-2x4F, B-2x6F, B-2x8F):**
  1. Cut both male and female batten components (B-2x2M, B-2x4F) to size.
  2. Attach Batten L Bracket (B-BL2.5) to the inner wall of the Batten Female (B-2x4F) channel using four (4) self-tapping fasteners.
  3. Attach both ends of the Female Batten and L Bracket assembly to structure or surface using two (2) self-tapping fasteners.
  4. Advance to Step 2B to complete the assembly.



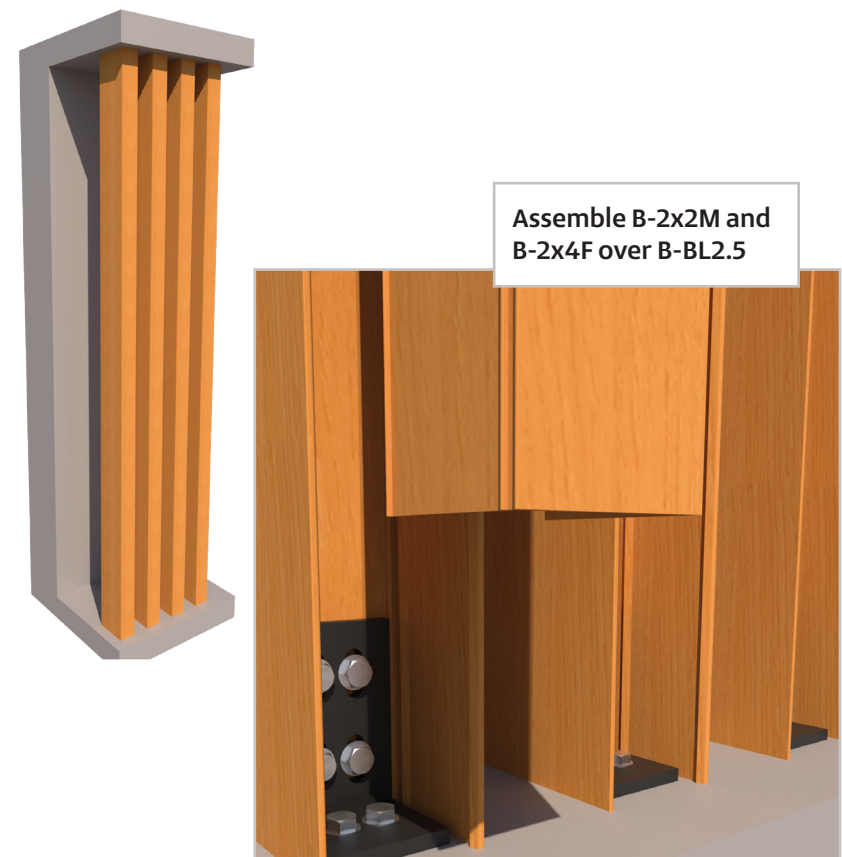
## STEP 2A | 2" x 2" Batten Assembly (End-to-End / Perpendicular)

- Parallel batten U brackets (B-BU2) are fully concealed within the assembled 2x2" profile. When using 2" x 2" battens (B-2x2M, B-2x2F):
  - Starting at one end, insert the male legs of the B-2x2M into the open channel of the female B-2x2F profile.
  - The male and female battens (B-2x2M & B-2x2F) should fit snugly around the batten U bracket (B-BU2).
  - Use a dead-blow hammer or vice clamps to join the profiles until the two fully snap together. The seams should be flush, indicating a uniform, fully mated profile.



## STEP 2B | 2" x 4" (+) Batten Assembly (End-to-End / Perpendicular)

- Parallel batten U brackets (B-BU2) are fully concealed within the assembled 2x2" profile. When using 2" x 4" battens or larger (B-2x4F, B-2x6F, B-2x8F):
  - Starting at one end, insert the male legs of the B-2x2M into the open channel of the female B-2x4F profile.
  - Batten L Bracket (B-BL2.5) should be snugly encapsulated between B-2x2M and B-2x4F.
  - Use a dead-blow hammer or vice clamps to join the profiles until the two fully snap together. The seams should be flush, indicating a uniform, fully mated profile.



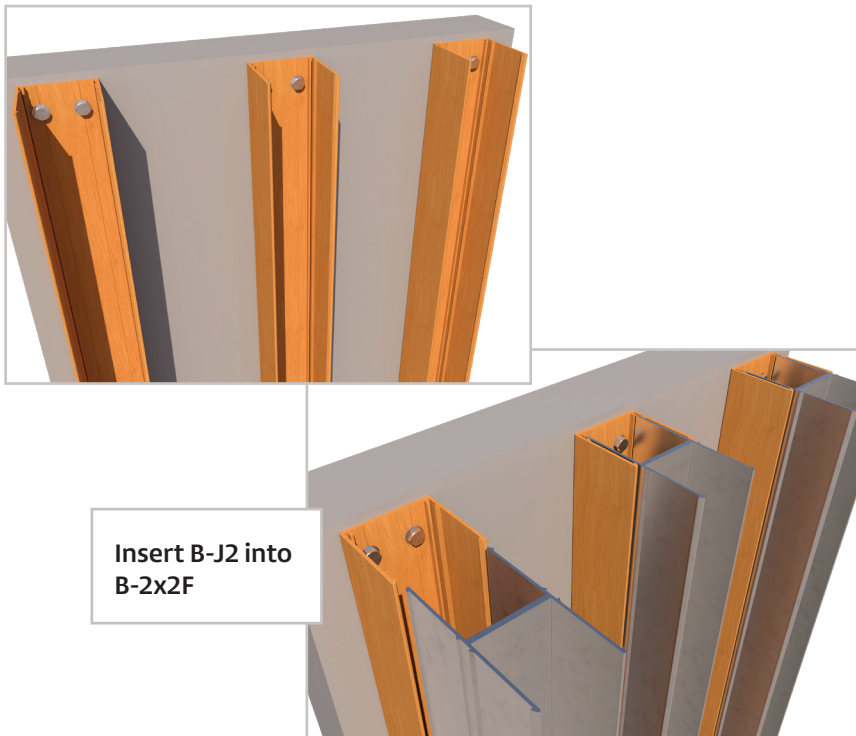
## SECTION 3. TWO-PART BATTEN INSTALLATION

### 3D. Batten Joiner Installation

The following guide includes step-by-step instructions to perform proper installation of Parallel Batten Joiners.

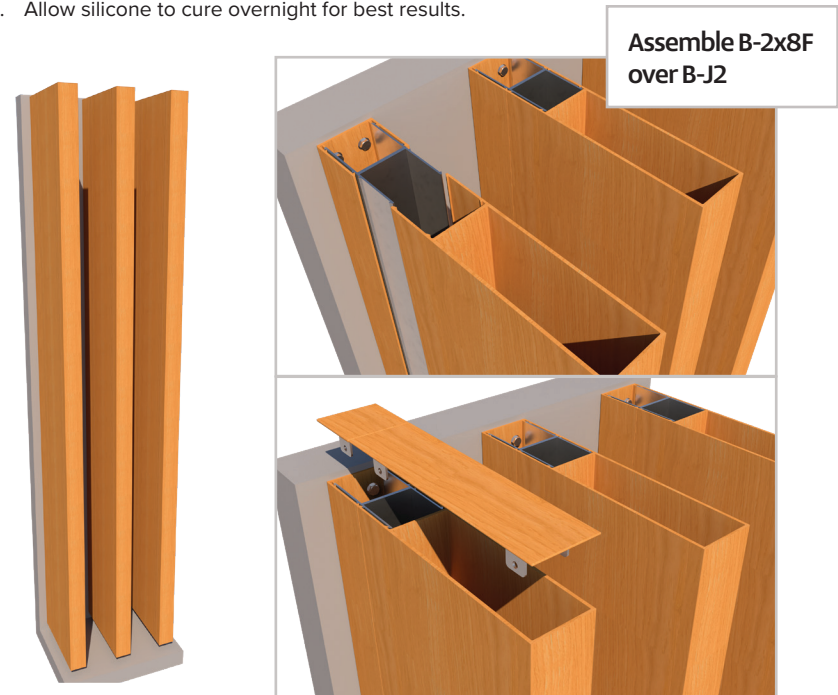
#### STEP 1A | 2" x 10" Batten Assembly with Batten Joiner (B-J2)

- **Standard Parallel two-part batten sizes may be increased to 2" x 10" (or larger) using the Batten Joiner (B-J2). To create 2" x 10" battens:**
  1. Cut two (2) female batten components (B-2x2F, B-2x8F) to size.
  2. Cut the batten joiner component (B-J2) to size.
  3. Attach the female batten (B-2x2F) to the surface or structure using two (2) self-tapping fasteners.
  4. Starting at one end, insert the male legs of the B-J2 into the open channel of the female profile (B-2x2F).
  5. Advance to Step 1B to complete the assembly.



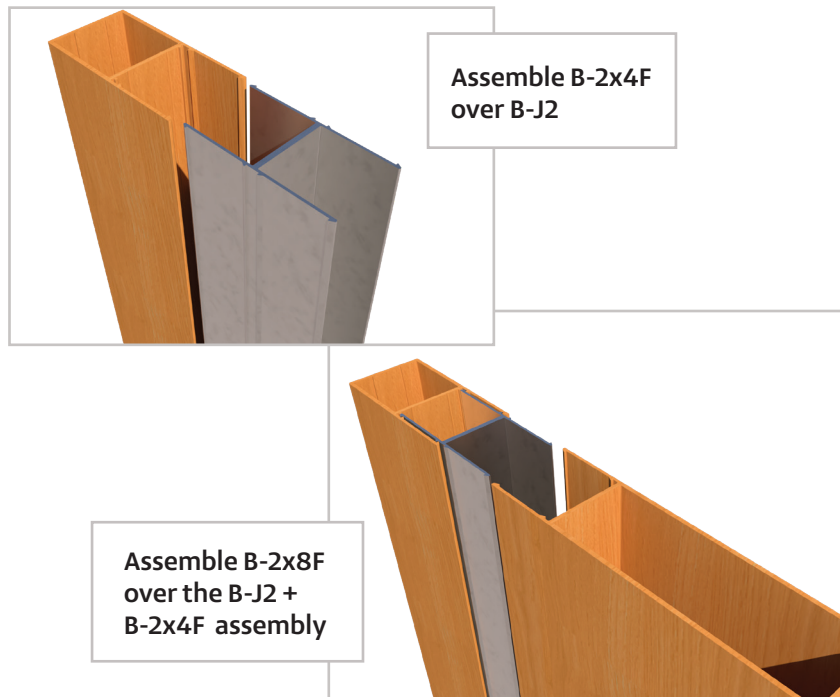
#### STEP 1B | 2" x 10" Batten Assembly with Batten Joiner (B-J2)

1. Directly attach the female channel of the B-2x8F to the B-J2 assembly on the wall or structure.
  2. Starting at one end, insert the male legs of the B-J2 into the open channel of the female B-2x8F profile.
  3. Use a dead-blow hammer or vice clamps to join the profiles until the two fully snap together. The seams should be flush, indicating a uniform, fully mated profile.
- **All batten end caps use fold-in tabs to friction fit the inside of their respective profile.**
    1. Bend each tab of each end cap to roughly 100° - 120° (angle may vary). Adjust the tabs as necessary for a flush, secure fitment.
    2. Apply a bead of structural silicone to each tab to ensure a snug fit inside the profile cavity.
    3. Allow silicone to cure overnight for best results.



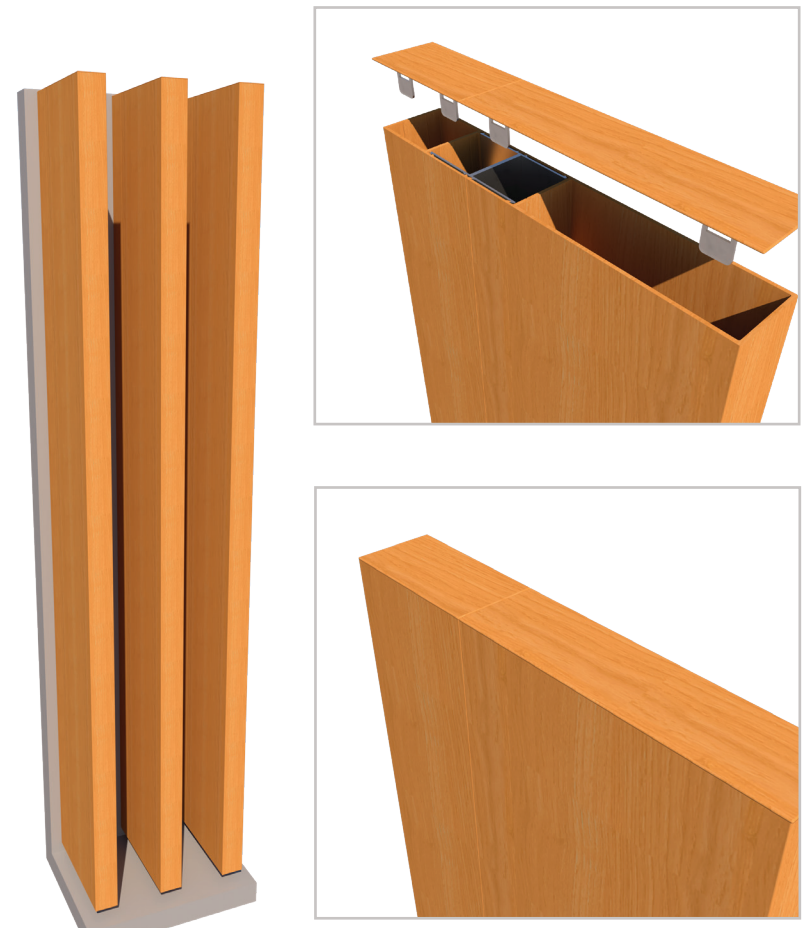
## STEP 2A | 2" x 12" (+) Batten Assembly with Batten Joiner (B-J2)

- **Standard Parallel two-part batten sizes may be increased to 2" x 12" (or larger) using the Batten Joiner (B-J2). Means and methods of attachment may vary depending on overall batten dimensions. Project specific components and/or accessories may be required. To create 2" x 12" battens:**
  1. Cut any two (2) female batten components (B-2x4F, B-2x8F) to size.
  2. Cut the batten joiner component (B-J2) to size.
  3. Starting at one end, insert the male legs of the B-J2 into the open channel of the female B-2x4F profile.
  4. Then insert the male legs of the B-J2 + B-2x4F assembly into the open channel of the female B-2x8F profile.
  5. Use a dead-blow hammer or vice clamps to join the profiles until the two female battens fully snap together around the batten joiner. The seams should be flush, indicating a uniform, fully mated profile.
  6. Advance to Step 2B to complete the assembly.




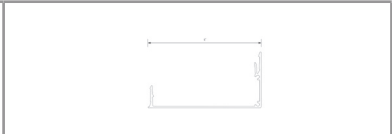


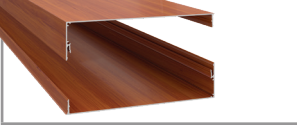

## STEP 2B | 2" x 12" (+) Batten Assembly with Batten Joiner (B-J2)

- **All batten end caps use fold-in tabs to friction fit the inside of their respective profile.**
  1. Bend each tab of each end cap to roughly 100° - 120° (angle may vary). Adjust the tabs as necessary for a flush, secure fitment.
  2. Apply a bead of structural silicone to each tab to ensure a snug fit inside the profile cavity.
  3. Allow silicone to cure overnight for best results.



# SECTION 4. TRIPLE-LOCK BATTEN INSTALLATION

## 4A. Profile Legend

		<b>B-2x4</b>	2" x 4" Triple-Lock Self-Mating Batten - 2" x 4" x 20'
		<b>B-2x6</b>	2" x 6" Triple-Lock Self-Mating Batten - 2" x 6" x 20'
		<b>B-2x8</b>	2" x 8" Triple-Lock Self-Mating Batten - 2" x 8" x 20'

# SECTION 4. TRIPLE-LOCK BATTEN INSTALLATION

## 4B. Triple-Lock Batten Installation

The following guide includes step-by-step instructions to perform proper installation of Parallel Triple-Lock self-mating battens.

### STEP 1A | Lay-Flat Batten Installation (B-2x4)

- **Parallel Triple-Lock Battens are self-mating, and are traditionally installed directly to a structure or surface. All Triple-Lock Battens are designed to snap and mate with their own profile; these battens will only mate with another identical batten.**
- **Cut the first Batten (B-2x4) to the required length and directly attach the batten to the structure or surface using a self-tapping hex-head fastener.**
- **Place two adjoining fasteners equally distanced at each attachment point. Allow for 1/2" gap between two (2) butt-joined battens spanning beyond 40'.**
- **Be sure to use slotted holes on one side of the butt-joint seam to control any potential thermal expansion.**

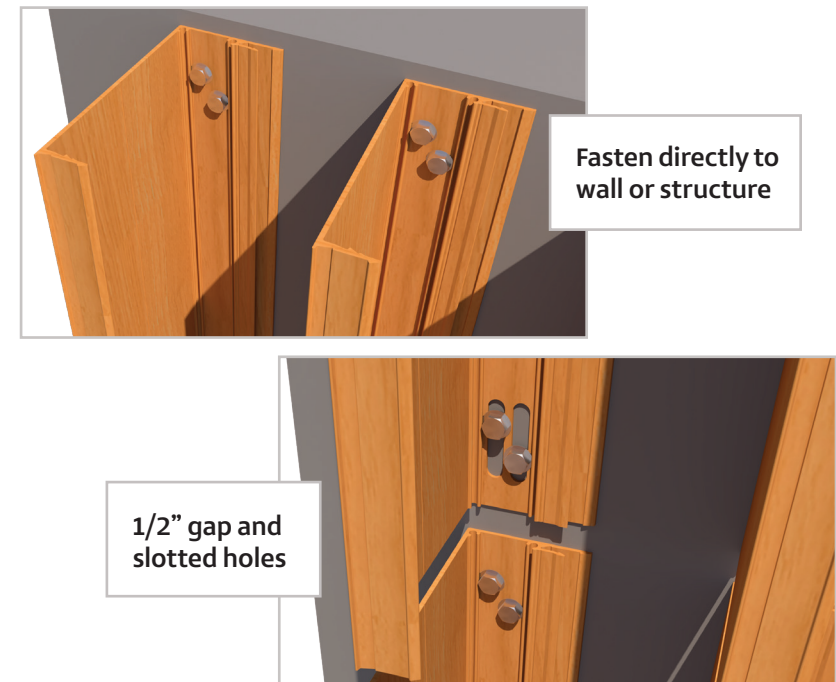
*Note: Fastener spans and specifications may vary per project. Ensure all finishing cuts are straight and level for proper end cap termination.*



### STEP 1B | Proud Batten Installation (OPTIONAL)

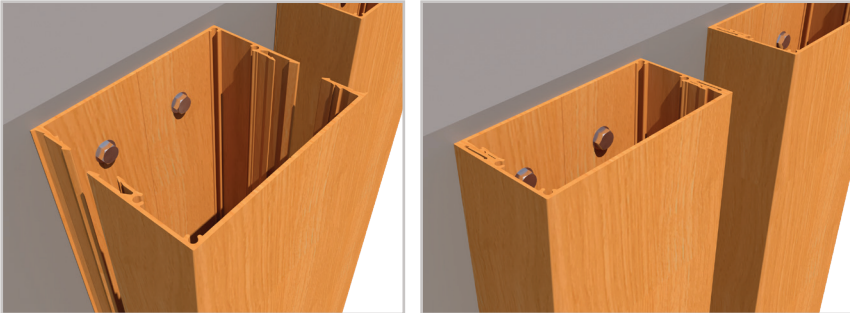
- **Parallel Triple-Lock Battens are self-mating, and traditionally installed directly to a structure or surface. The self-mating design can be installed in both lay-flat and proud orientations.**
- **Cut the first Batten (B-2x4) to the required length and directly attach the batten to the structure or surface using a self-tapping hex-head fastener.**
- **Place two adjoining fasteners equally distanced at each attachment point. Allow for 1/2" gap between two (2) butt-joined battens spanning beyond 40'.**
- **Be sure to fasten with slotted holes at one end of the butt-joint seam to control any potential thermal expansion.**

*Note: Fastener spans and specifications may vary per project. Ensure all finishing cuts are straight and level for proper end cap termination.*



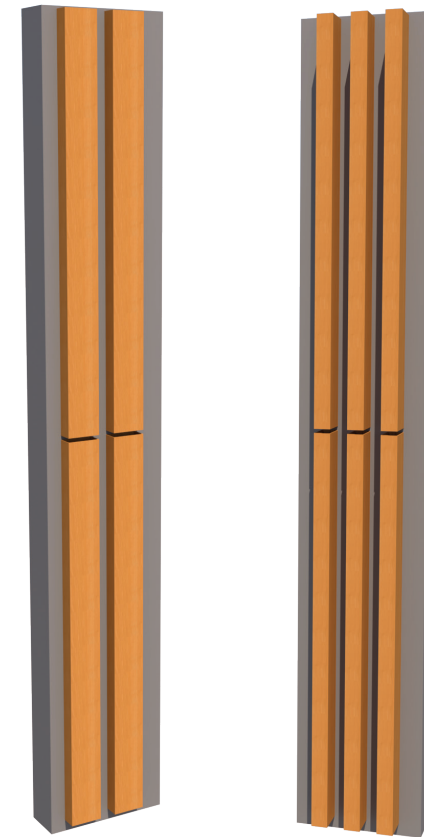
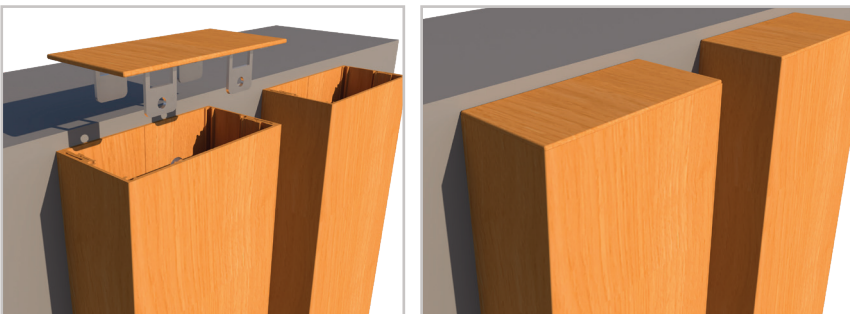
### STEP 2 | Complete Batten Assembly (B-2x4)

- Cut two (2) of any Triple-Lock Batten (ex., B-2x4) to the required length.
- Starting at one end, insert the male flange of the B-2x4 into the female channel of another B-2x4 profile.
- Use a dead-blow hammer and/or vice clamps to join the profiles until the two fully snap together. The seams should be flush, indicating a uniform, fully mated profile.



### STEP 3 | End Cap Installation (B-EC2x4)

- All batten end caps use fold-in tabs to friction fit the inside of their respective profile.
  - Bend each tab of the end cap to roughly 100° - 120° (angle may vary). Adjust the tabs as necessary for a flush, secure fitment.
  - Apply a bead of structural silicone to each tab to ensure a snug fit inside the profile cavity. Allow silicone to cure overnight for best results.



## LOOKING FOR MORE INSTALLATION ASSISTANCE?

Contact your sales rep or reach out to our technical support team at [parallelap.com/contact](https://www.parallelap.com/contact) or by calling **866.472.7255**.

**We are here to help make your project a success.**