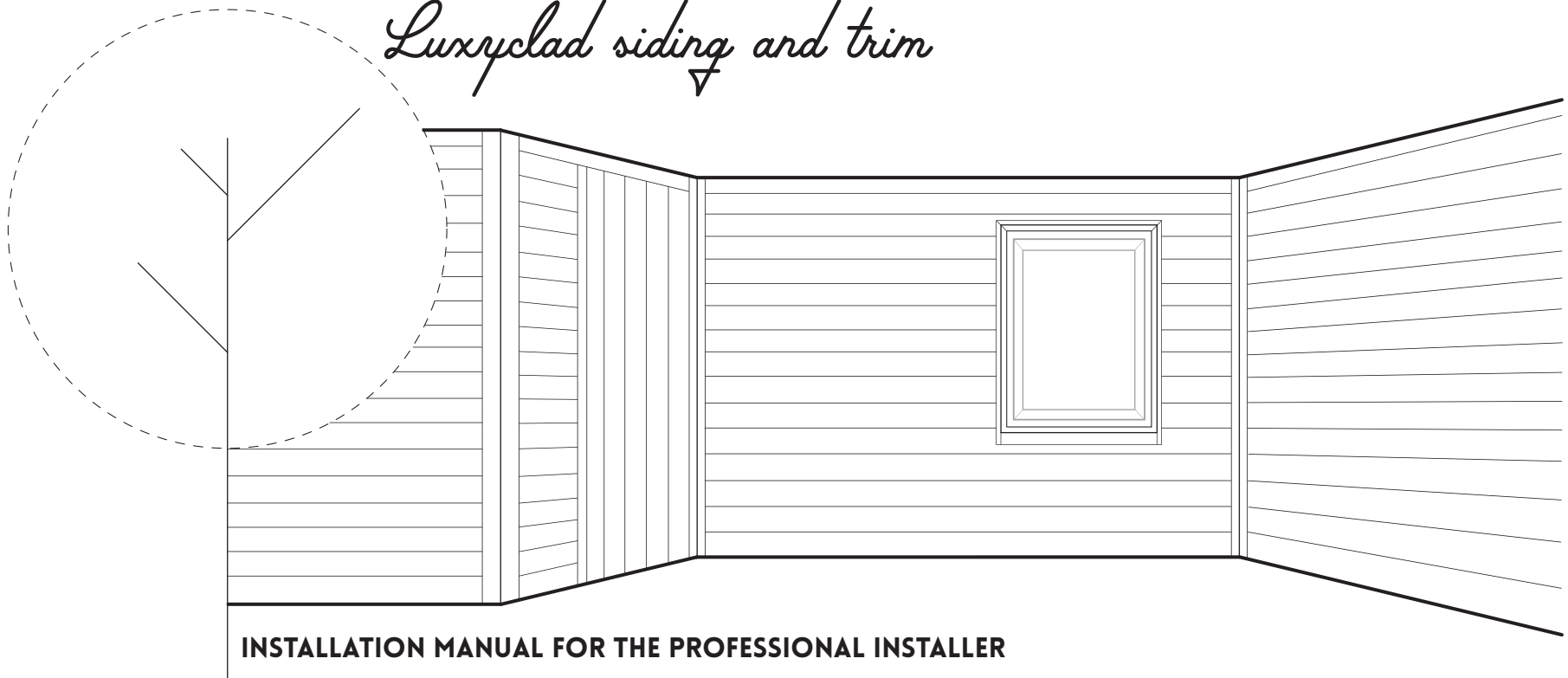


*How to install  
Luxyclad siding and trim*



**INSTALLATION MANUAL FOR THE PROFESSIONAL INSTALLER**

*Dear customer,*

**Congratulations on your purchase of this LUXYCLAD® product!**

Known for its outstanding qualities, LUXYCLAD® is a rear ventilated rain screen cladding system that is increasingly becoming the siding choice for homeowners, contractors, architects, and builders. Compared to other siding products, LUXYCLAD® is attractive, durable, easy to maintain, fire-resistant, recyclable, LEED compliant, impervious to insects, and does not bend, warp, rot or peel. LUXYCLAD® is available in a variety of finishes, ranging from solid and metallic colours, to rich wood grain surfaces that simulate the look of real wood.

**Please read the installation guidelines completely.** The installation techniques in this manual describe and illustrate the steps involved in installing LUXYCLAD® siding, soffit, and trim. Their purpose is to provide detailed information and how-to tips that will simplify the installation processes. LUXYCLAD® will not accept any liability or responsibility under its written warranty for product failure caused by application that does not meet the requirements for proper installation. These requirements are outlined throughout this document. Before you begin any siding project, you need to be aware of building code requirements in the geographic areas where you are working, and how the code relates to both the instructions given in this manual and by the siding manufacturer. You must always observe the requirements of local building codes, as they represent the legal requirements for an installation in a given jurisdiction. However, most local codes are based on the national building code model. Model codes themselves do not have the force of law until they are adopted by a state or local jurisdiction. In the United States, the primary source of model codes is the International Code Council ([www.iccsafe.org](http://www.iccsafe.org)), which publishes the International Building Code (IBC) and International Residential Code (IRC). In Canada, the primary model code is the National Building Code (NBC), published by the National Research Council of Canada ([www.nrc-cnrc.gc.ca](http://www.nrc-cnrc.gc.ca)). No instruction manual can anticipate all the questions or conditions that might arise during installation. Recognizing this, we've focused on the tools and techniques used to complete typical installations. If you encounter an installation situation not covered in this manual, we suggest you contact the LUXYCLAD® Sales Support Group at 1-877-255-1022.

The manufacturer has provided these suggested instructions as installation guidelines. The manufacturer, however, neither installs the panels nor has any control over the installation. It is the responsibility of the contractor and/or the installer to ensure panels are installed in accordance with these instructions and any applicable building codes. The manufacturer assumes no liability for either improper installation or personal injury resulting from improper use or installation. These instructions are prepared for persons experienced in the field of soffit and siding installation and assume a foundation of working knowledge regarding the required tools and application process. LUXYCLAD® is a rear ventilated rain screen cladding system which meets the requirements of Part 9 of the Building Code, when installed according to these instructions. In most applications, LUXYCLAD® does not require traditional rain screen furring, please refer to your local building code to verify the air gap required. However, additional horizontal furring is recommended for vertical installations. LUXYCLAD® is very similar to vinyl siding and soffit installation with the exception of the cutting and flexibility. LUXYCLAD® requires more precision and time to install. **It is highly recommended that LUXYCLAD® be installed by an experienced professional.**

## *Before you start*

Before installing any material, inspect it for breakage, foreign objects, surface defects, correct product, correct colour, and colour consistency. In addition, check for any wet or saturated product.

### **Do NOT install any questionable product!**

If you find a siding defect, contact LUXYCLAD®'s Consumer Service Group immediately at:  
**1-877-255-1022.**

If you elect to install questionable product and a manufacturing defect is not found to be the source of the problem, any claim may not be honoured.

Before you begin to work with LUXYCLAD® siding, it is important that you and the members of your crew have read and understood the information in this guide. Also, be sure to possess the right tools, fasteners, and accessories before you begin.

OSHA (Occupational Safety and Health Administration) requires workers to always use the appropriate PPE (Personal Protection Equipment). More information about personal protective equipment is available at:

**[www.osha.gov/SLTC/personalprotectiveequipment](http://www.osha.gov/SLTC/personalprotectiveequipment)**

Consult the Material Safety Data Sheet (MSDS) on our website, **[www.luxyclad.com](http://www.luxyclad.com)**, and a qualified industrial hygienist for further health and safety information related to this product.

### **An important note about LUXYCLAD® warranties:**

Failure to comply with LUXYCLAD® installation instructions and/or applicable building codes may affect product performance and void the product warranty.

**It is highly recommended to use a trained LUXYCLAD® independent installer, if available, or an installer who has previous experience installing similar premium siding and soffit systems.**

# Safety Information

**When dealing with any type of construction project, it is necessary to wear appropriate safety equipment to avoid any risk of injury.** LUXYCLAD® recommends but is not limited to the following safety equipment when handling, cutting, and installing LUXYCLAD®: gloves, respiratory protection, long sleeves, pants, and safety glasses. More information about personal protective equipment is available at: [www.osha.gov/SLTC/personalprotectiveequipment](http://www.osha.gov/SLTC/personalprotectiveequipment)

## Storage

Store the cartons on a flat surface that supports the entire carton length. **Do not store LUXYCLAD® siding or trim directly on the ground.** If a covered area such as a garage is not available on the job site, place pallets on wood blocks to allow air flow underneath the pallet.

Keep the cartons dry. If palletized LUXYCLAD® is to be placed on a damp surface, **place a vapour barrier on ground underneath the pallet.** Cover with plastic tarp or similar bonnet to keep the product dry and prevent moisture from settling. Store the cartons away from areas where falling objects or other construction activity may occur or cause damage. **Do not store the cartons in stacks that are more than 6 boxes high.**

## Handling

It is recommended that siding and accessories be carried by two persons to avoid personal injury and/or damage to product. **All panels must be carried in the vertical position.** If handled incorrectly, the surface of prefinished boards may scratch. **Do not slide boards when removing them from the pallet;** sliding one board against the other may scratch the surface of the board below.

## Tools

Common hand tools, such as squares, chalk lines, levels, and tape measures are needed for proper installation. To cut LUXYCLAD® use a compound mitre saw and a small table saw, with a blade for non-ferrous materials. For example:

**Dewalt DW 3217-10" 80T non-ferrous metal cutting blade**

**Dewalt DW 3229-12" 80T non-ferrous metal cutting blade**

**Holes for pot lights up to 4" - use appropriate hole saws**

Note: Larger holes will require a jigsaw. Protect surface prior to cutting holes.

## *Cutting Tips*

LUXYCLAD® is a finished material, complete upon install. A reasonable amount of care is essential to obtain the desired results; we recommend taping the face of the trim saw surface as well as table saw surface to prevent marring and scratches. Cut face up whenever possible, and use touch-up pens (light and dark) to cover cut ends of exposed aluminum. A proper amount of care, as with any prefinished product, will result in a premium quality installation and a lifetime of maintenance-free enjoyment.

## *Fastening Information*

LUXYCLAD® is fastened using the aluminum rain screen clips provided with the product order. These clips create the rear ventilation plane (air gap) and allow for movement cause by thermal expansion and contraction. Use a 1-1/2" length, #8 screw with corrosion resistance suitable for the application and climate. This will allow the product to be removed, if required, without damage. Screws also allow the installer to "back off" the screw and shim to address substrate discrepancies. This system allows for rain screen clips to be fastened every 32" O/C (on center). For high wind areas, it is recommended to increase the fastening spacing to 16" O/C (on center).

## *Expansion and Contraction*

LUXYCLAD® is an aluminum siding and soffit product which expands and contracts at different rates than other metals. The expansion coefficient for aluminum will create movement in length of 5.6mm (1/4") on a 7.3m (24') piece of LUXYCLAD® when exposed to a temperature change of 30 degrees C (86 F). For example, if a full length (7.3m) or 24' of LUXYCLAD® is installed at 8 degrees C (46 F) and the temperature increases to 38 degrees C (100 F), each end will move 1/8" or just under 3mm. If the temperature drops 30 degrees C (86 F) the piece will "shrink" by this same amount. Therefore, it is imperative that LUXYCLAD® is fit to the midpoint of coverage in the trim pieces, as this will allow for both expansion and contraction to take place without pushing the trim pieces. **Do not fasten LUXYCLAD® cladding profiles and the trim profiles together, as this will not allow the required movement to take place. If LUXYCLAD® is confined at each end, the expansion will cause waving. Install one fastener at the midpoint (through the profile fastening area) to prevent migration of the cladding to the left or right.**

## Care and Maintenance

The beauty of LUXYCLAD® is maintained with little effort. Although anything outdoor is likely to collect dirt, a heavy rain will often wash this dirt away and maintain the look of a clean LUXYCLAD® siding system. It is also possible to wash our product using a garden hose. **Do not use a pressure washer.** If rain or hosing does not do a satisfactory job, follow these simple instructions:

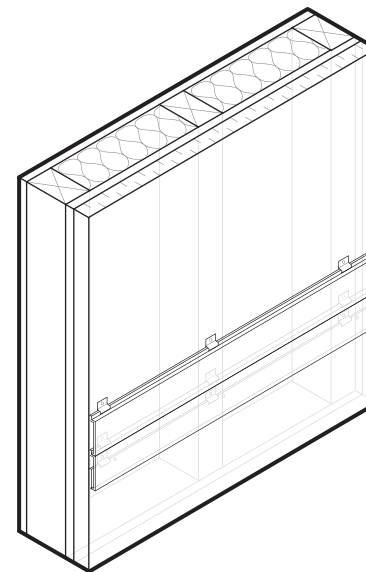
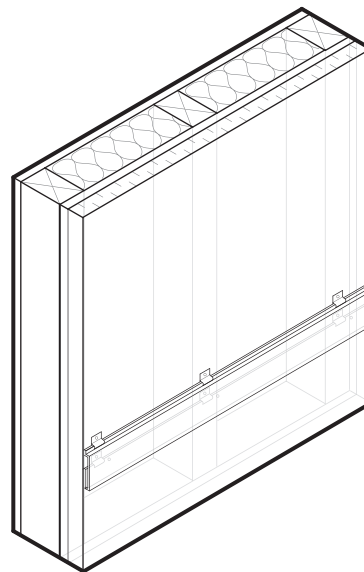
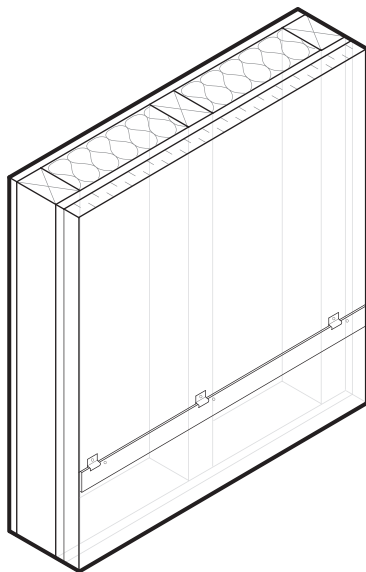
1. Use an ordinary, long-handled car washing brush. This brush has soft bristles with handles to fasten onto the end of a hose, allowing the siding to be washed similarly to a car. Avoid using stiff bristle brushes or abrasive cleaners that may change the gloss of the cleaned area and/or cause the siding to appear splotchy.
2. When washing down an entire house or building, start at the bottom and work up to the top in order to prevent streaking. Rinse cleaning solution with water before it dries on the material. If your house or building consists of any brick or stone cladding, cover this material to ensure it is not affected by any run-off.
3. Follow the precautionary labeling instructions on the cleaning agent container. Protect shrubs and other foliage from direct contact with cleaning agents.
4. To remove soot and grime found in industrial areas, wipe down the siding with a mild detergent (PH-6-7) made up of the following:
  - 1/3 cup powdered detergent (e.g. Fab, Tide, or equivalent powder detergent)\*
  - 2/3 cup powdered household cleaner (e.g., Soilax, Spic & Span, or equivalent)\*
  - 1 gallon of water

## Installation Tips

- :- LUXYCLAD® soffit and siding is a tongue and groove installation. The ability to shim or spread each board by up to 1/16" allows you to compensate for framing discrepancies.
- :- When mitering corners or creating butt joints, it is recommended to use touch-up pens to trace over the exposed cut during the install, in order to eliminate the possibility of metal glint. However, to reduce the look of glint entirely, it is recommended to use a finished end; in this scenario a the touch-up pen is not required.

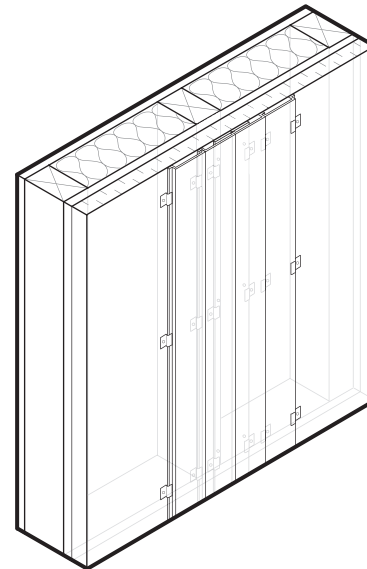
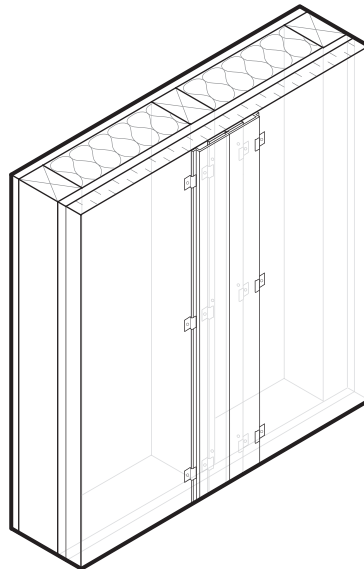
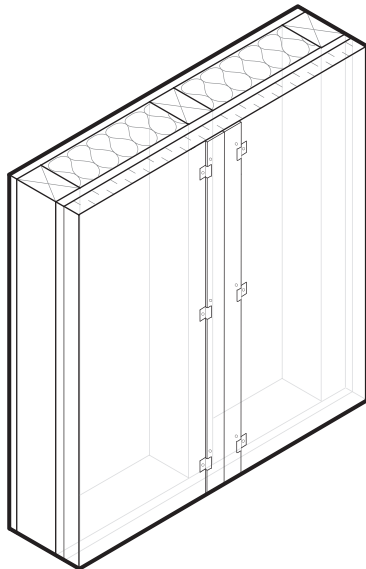
# Horizontal Siding Installation

- :- Start by hard fastening the LUXYCLAD® components and component bases: Starter Strips, J-trims, Flat Bases, and Inside/Outside Corner Bases.  
**Note: Starter strips must be installed with rain screen clips for proper ventilation, and hard fastened to ensure support of siding.**
- :- Insert siding into the starter strip (ensuring that the female portion of the board is sitting in the male portion of the starter strip). Apply downward pressure on the board while securing the rain-screen clip, and then fasten the board with the rain-screen clip and screw.
- :- Continue with all the siding until completed.
- :- Once the wall and soffit are completed, hard fasten the finishing base and the final piece of siding. This last piece of siding may need to be ripped - ensure that the final board is tall enough to rest on the finishing strip support.
- :- Apply the final finishing cap. Be sure to use a tool that will not damage the finish, when driving the finishing cap into the finishing base.
- :- The stiffness of LUXYCLAD® allows for fastening at 32" O/C (on center). For high wind areas, it is recommended to increase the fastening spacing to 16" O/C (on center).



# Vertical Siding Installation

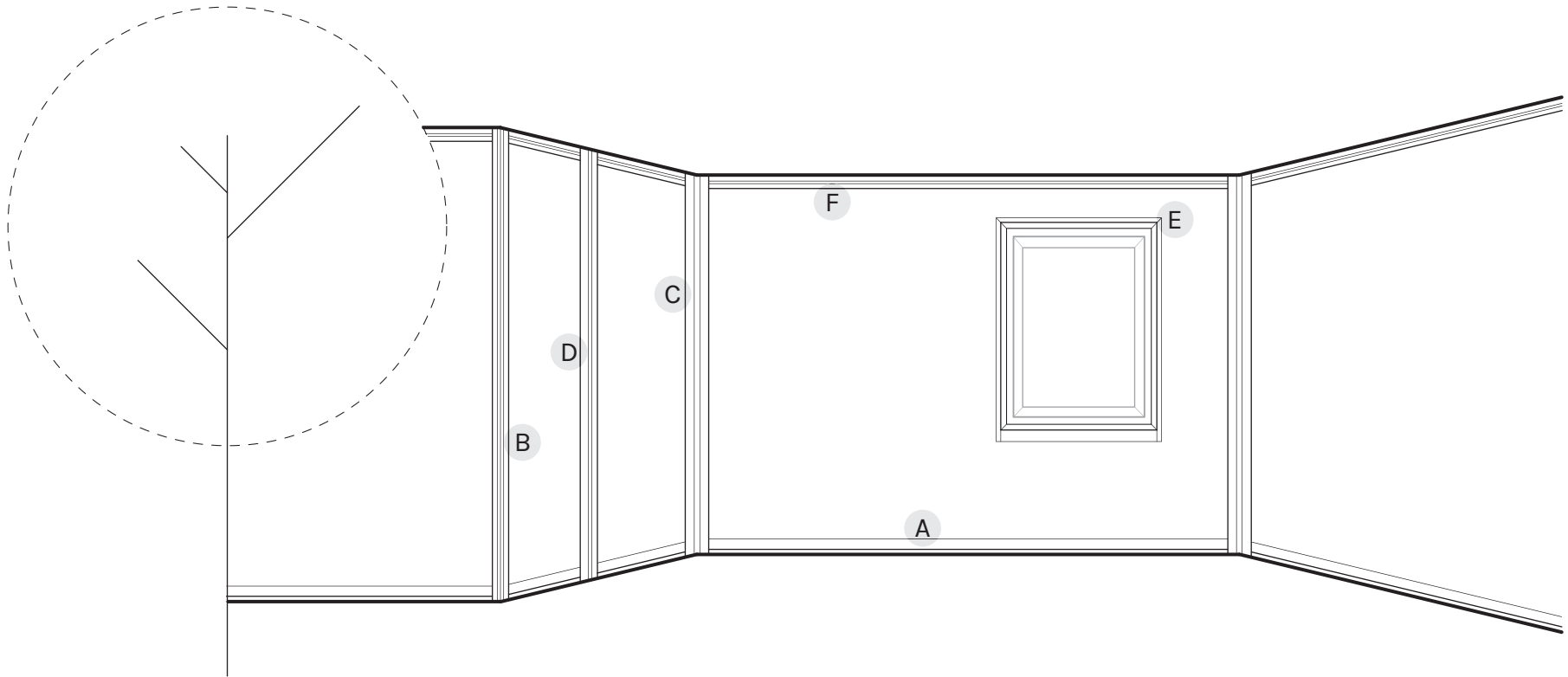
- :- **Vertical direction of siding has a similar installation method to horizontal applications, except this assembly starts in the middle of the wall and is built outward in either direction.**
- :- Start by hard fastening the LUXYCLAD® components and component bases: Starter Strips, J-trims, Flat Bases, and Inside/Outside Corner Bases.  
**Note: Starter strips must be installed with rain screen clips for proper ventilation, and hard fastened to ensure support of siding.**
- :- Insert siding into the starter strip (ensuring that the female portion of the board is sitting in the male portion of the starter strip). Apply downward pressure on the board while securing the rain-screen clip, and then fasten the board with the rain-screen clip and screw.
- :- Continue with all the siding until completed.
- :- Once the wall and soffit are completed, hard fasten the finishing base and the final piece of siding. This last piece of siding may need to be ripped - ensure that the final board is wide enough to rest on the finishing strip support.
- :- Apply the final finishing cap. Be sure to use a tool that will not damage the finish, when driving the finishing cap into the finishing base.
- :- The stiffness of LUXYCLAD® allows for fastening at 32" O/C (on center). For high wind areas, it is recommended to increase the fastening spacing to 16" O/C (on center). Diagonal or horizontal strapping/furring strips are recommended to establish a base to adhere vertical siding to.



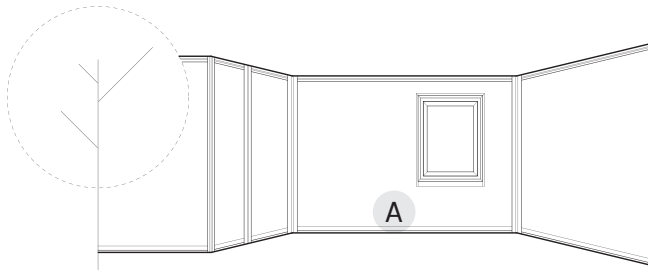


# Soffit Installation

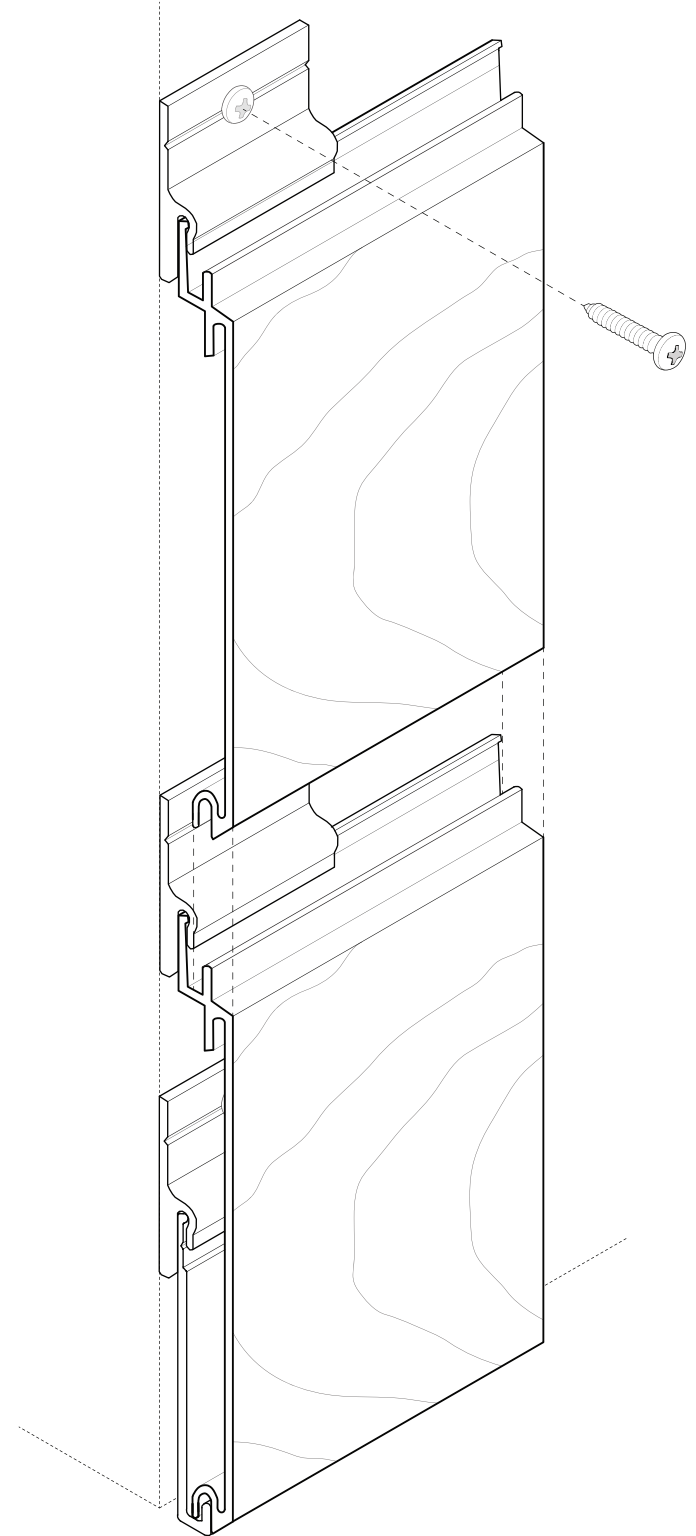
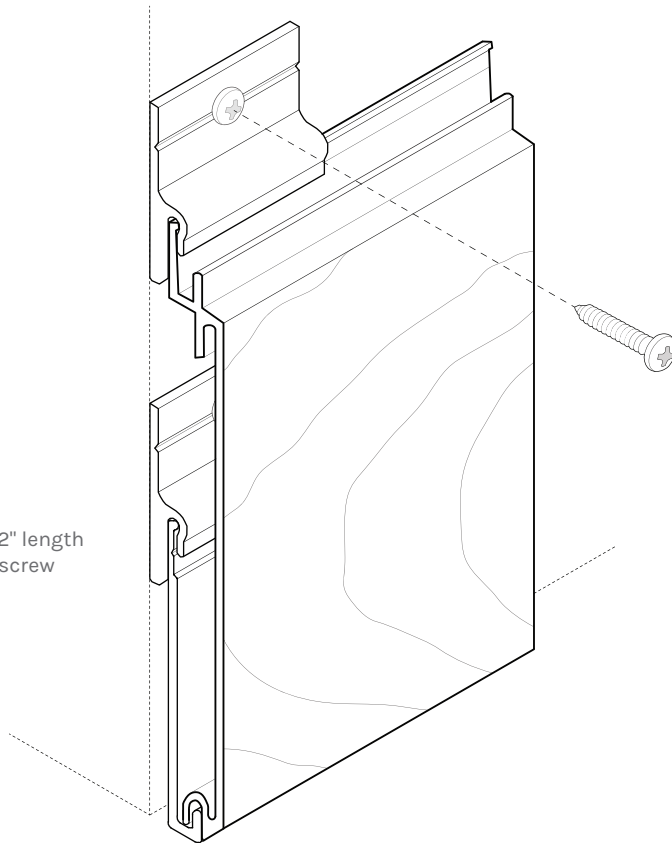
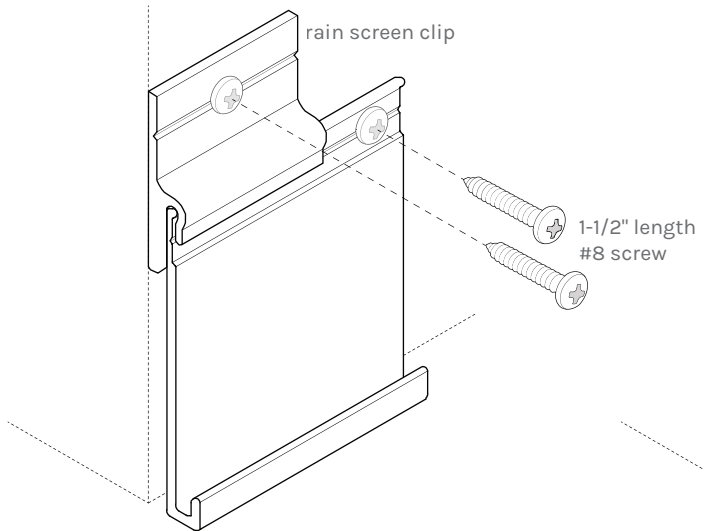
- :- Install all starter strips, J trims, and corner pieces before installing LUXYCLAD cladding profiles. On very short runs, using a more precise cut may be necessary, as the profile cannot be flexed into the area between two trim pieces.
- :- Press the starter strip against the fascia.
- :- Insert the soffit (female profile) onto the male starter strip, and fasten with a clip and screw.
- :- Insert the integrated venting strip (female profile) onto the male soffit profile, and fasten with clip and screw. **Note: Some applications benefit from applying black building paper to the framing material above the vent area to reduce the visibility of framing lumber through the vent.**
- :- Continue with the soffit until completed.
- :- The final soffit piece may need to be ripped. Use the finishing strip snap component to finish the run.
- :- The LUXYCLAD® perforated vent provides 84" of NVA (Net Ventilated Area) per 12' stock length. Ensure adequate venting is used as per code requirements. **Note: 21 lineal ft. = 1 sqft. of Net Vent Area perpendicular to house soffit installation.**
- :- Center two starting strips between fascias and fasten through the flange.
- :- Insert the soffit (female profile) onto the male starter strip, and fasten through the flange.
- :- Build outward towards fascia corners.
- :- Install adequate amount of integrated venting strips to meet local building codes.

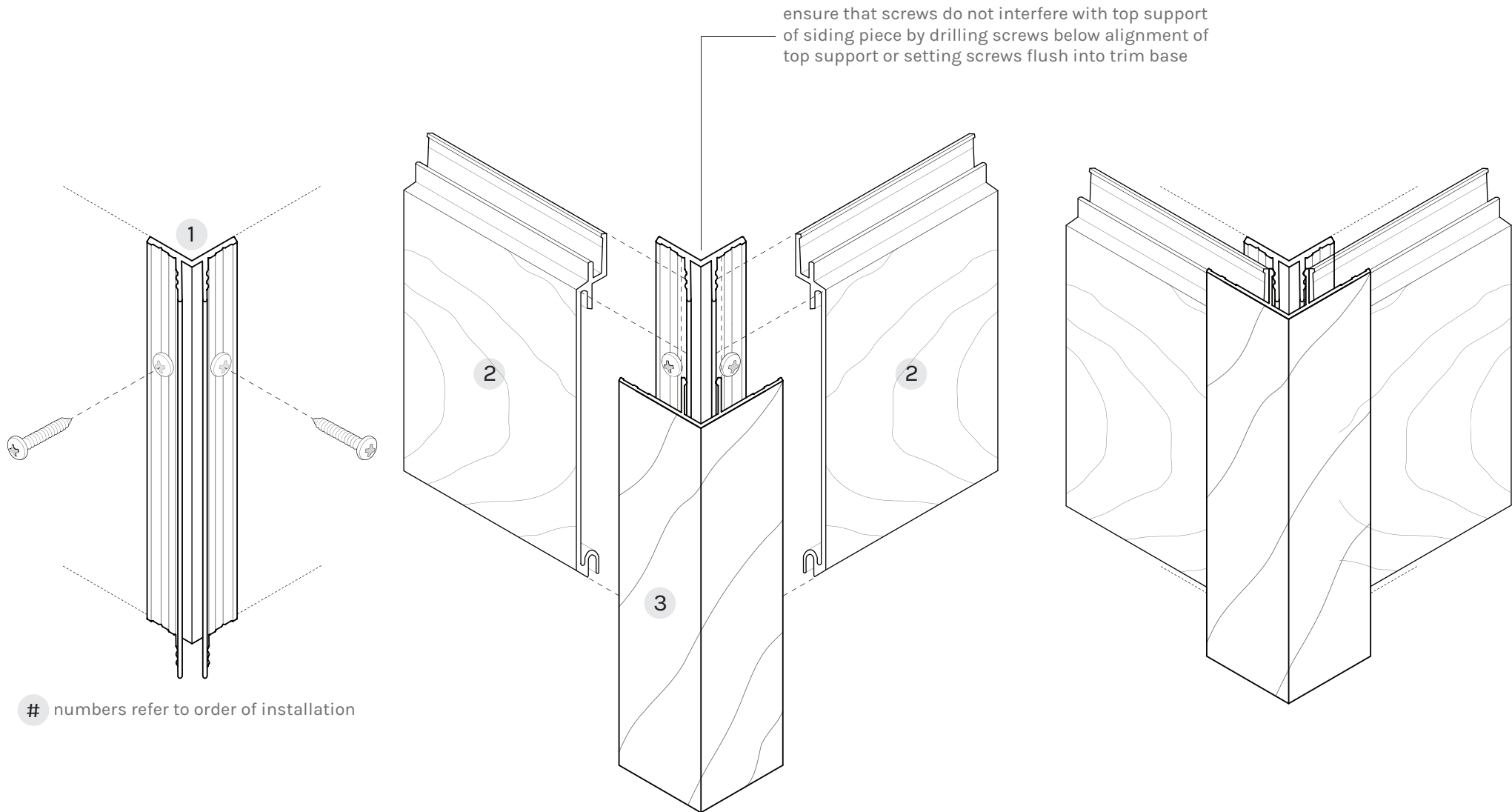
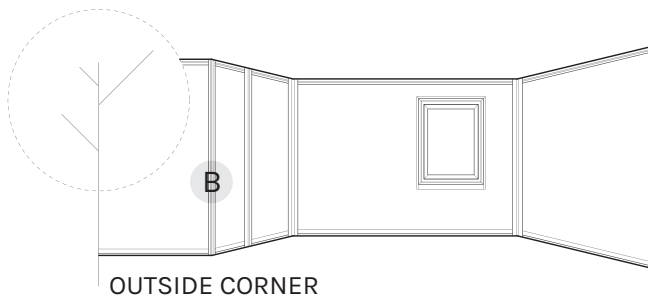


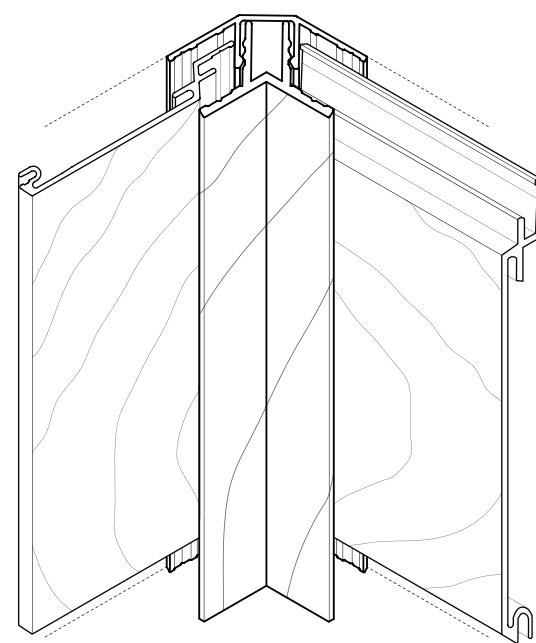
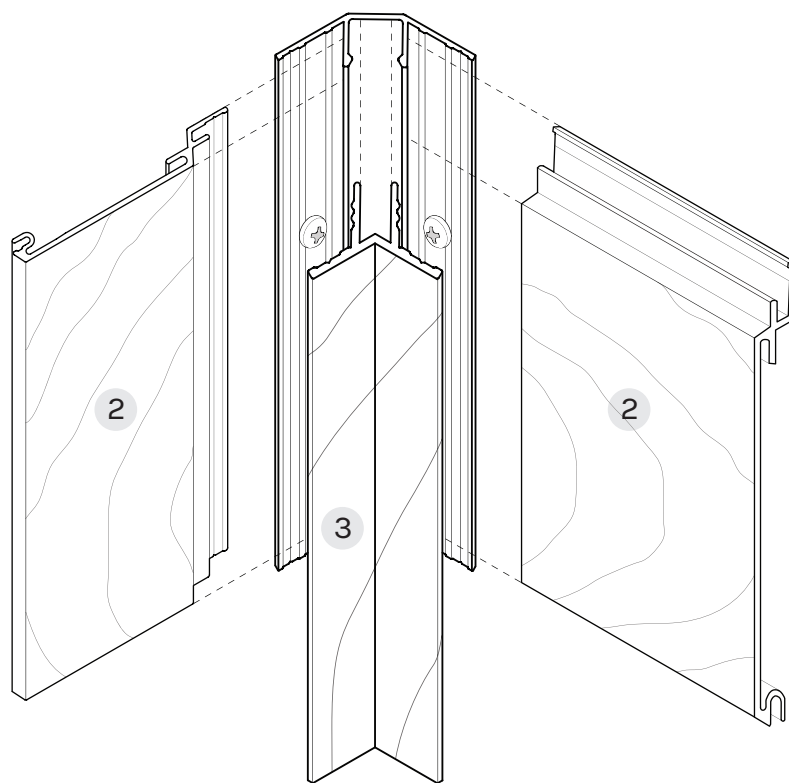
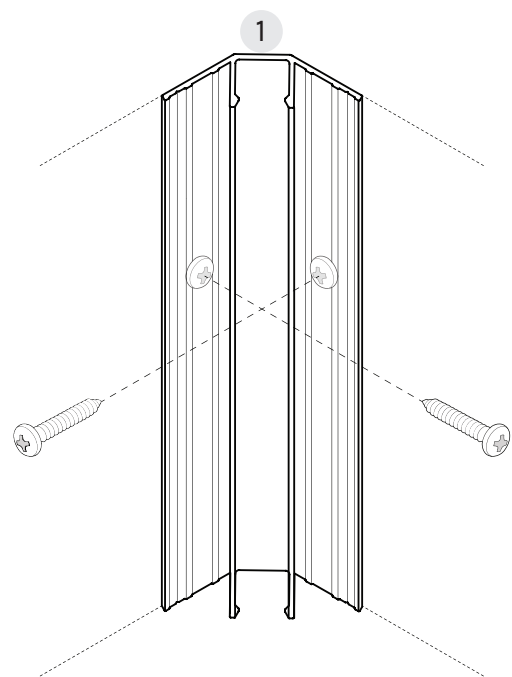
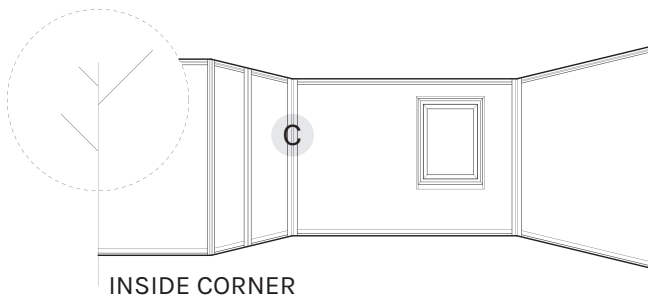
- A STARTER STRIP & V-GROOVE SIDING
- B OUTSIDE CORNER
- C INSIDE CORNER
- D FLAT CAP
- E J-TRIM
- F FINISHING CAP

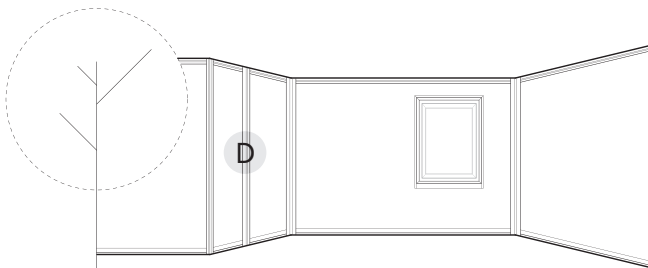


STARTER STRIP & V-GROOVE SIDING

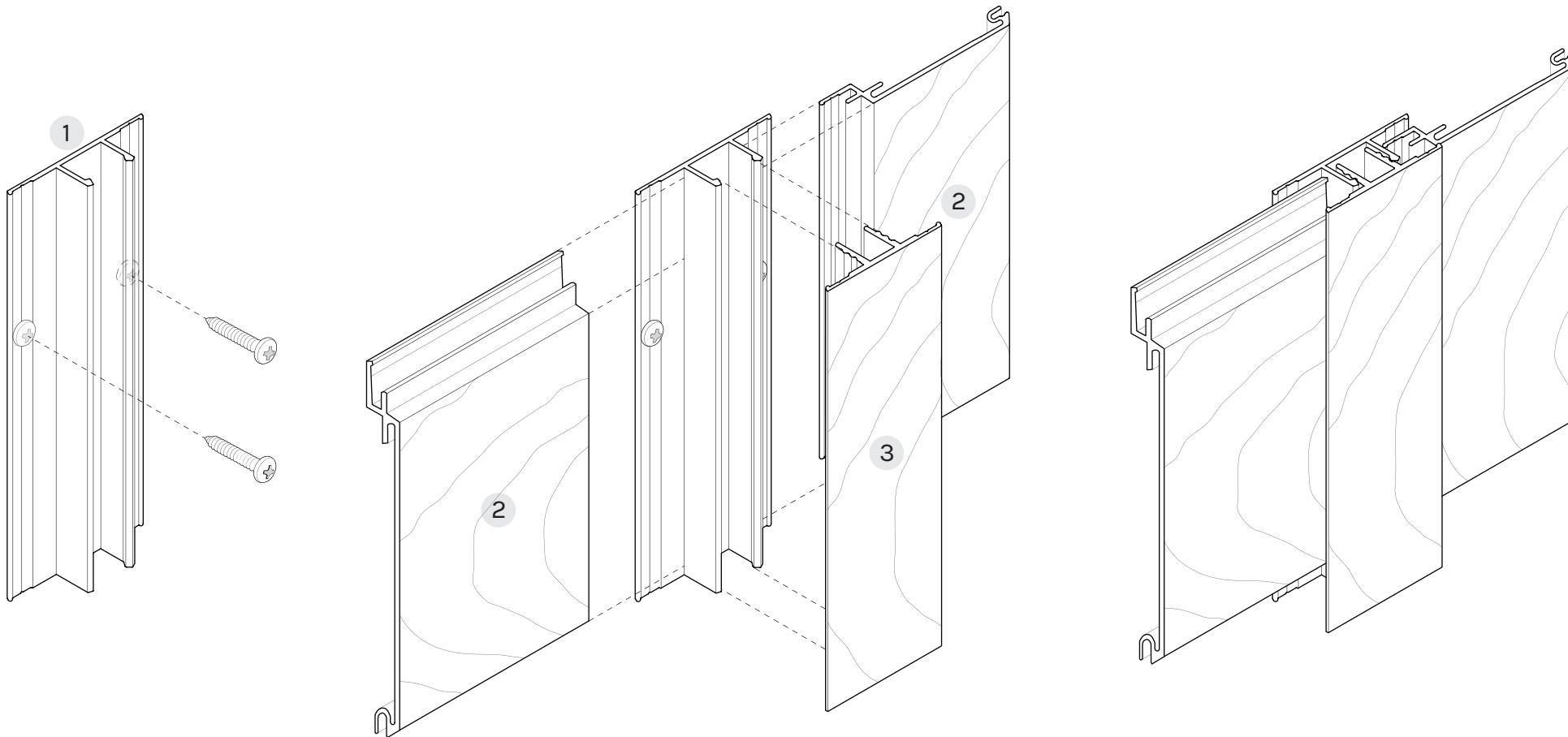


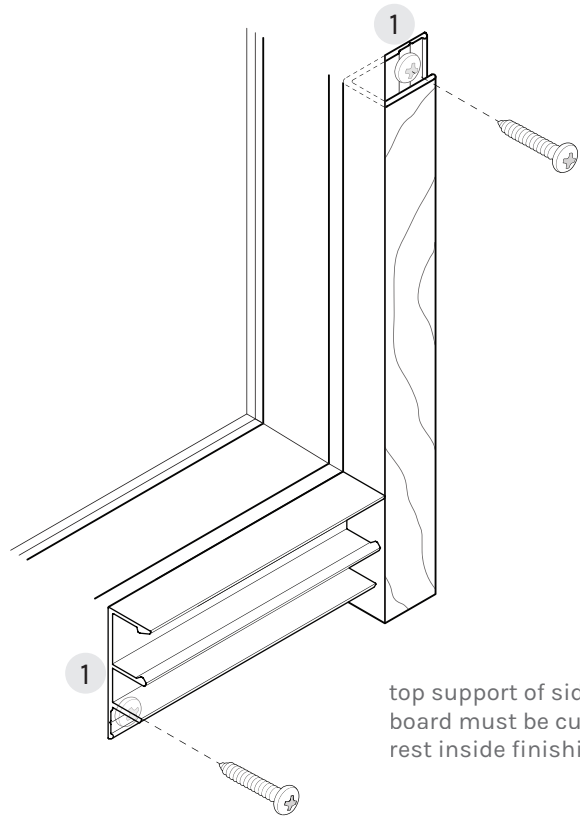
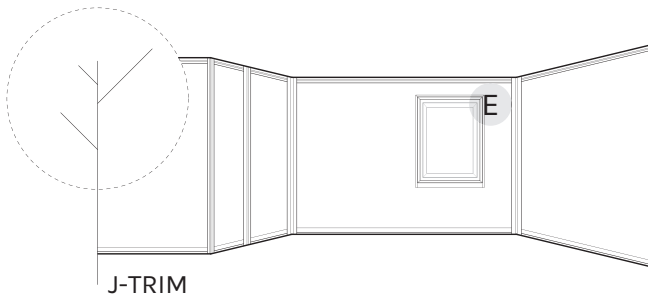




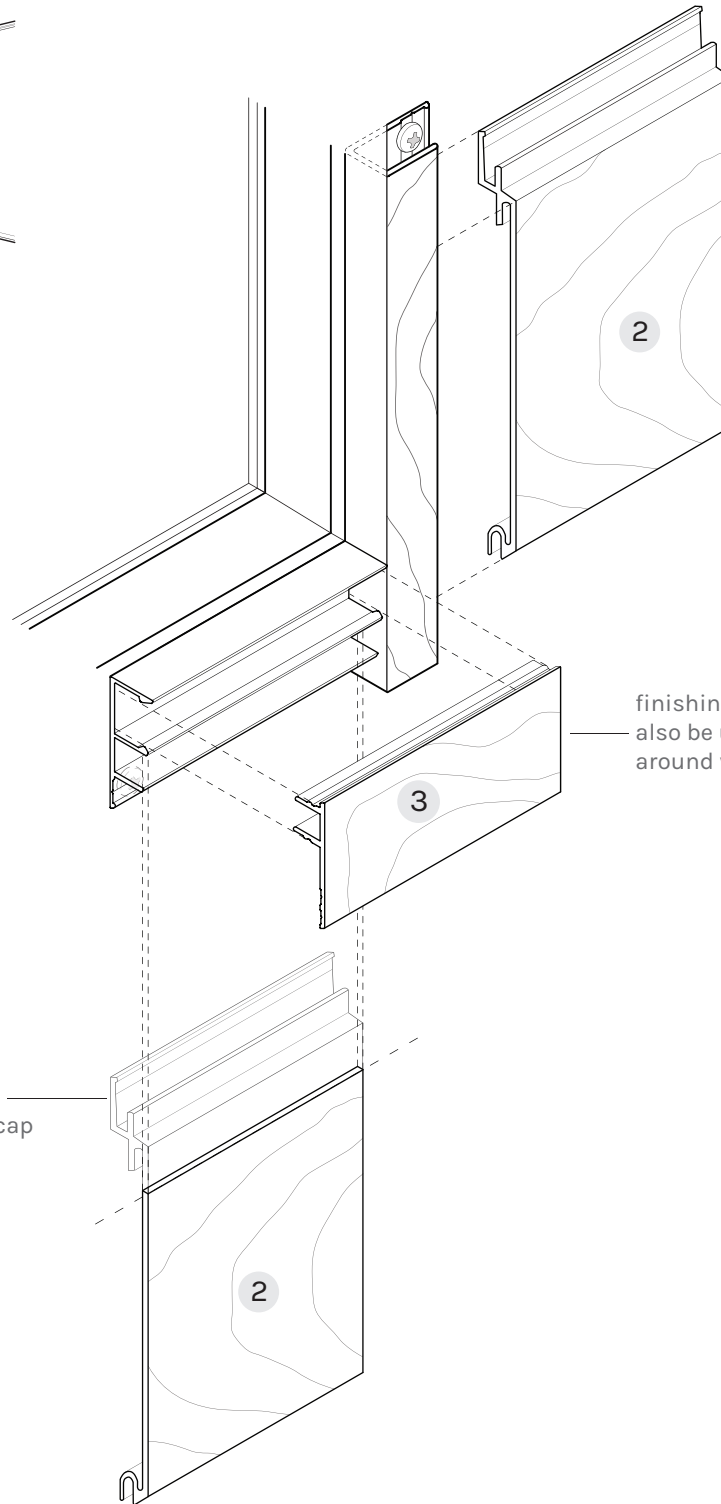


FLAT CAP

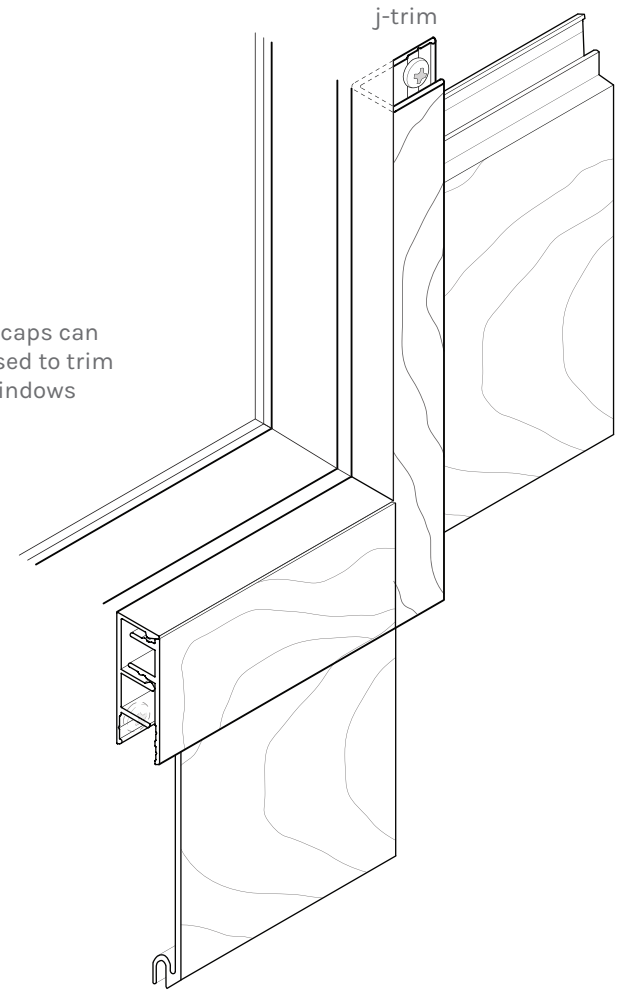


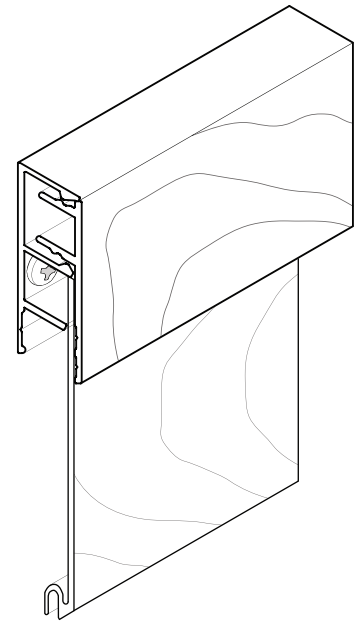
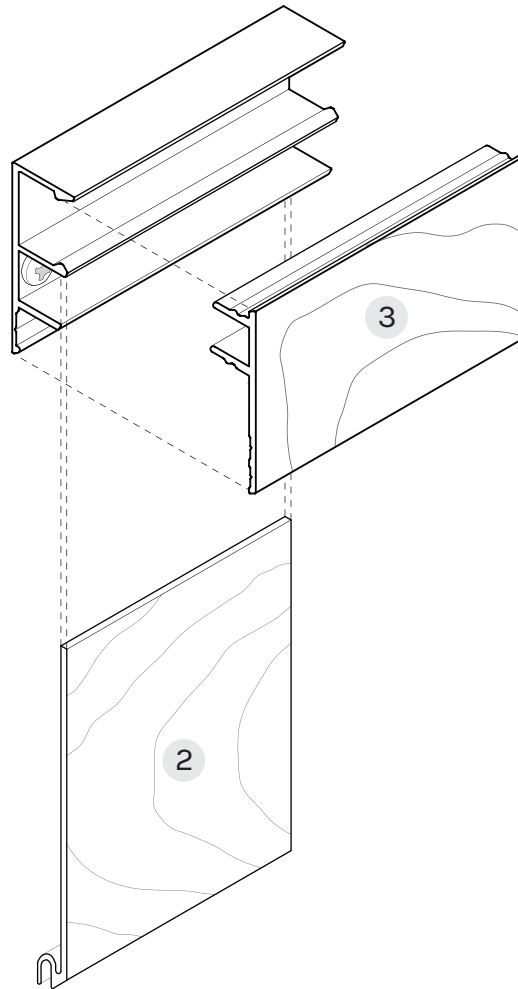
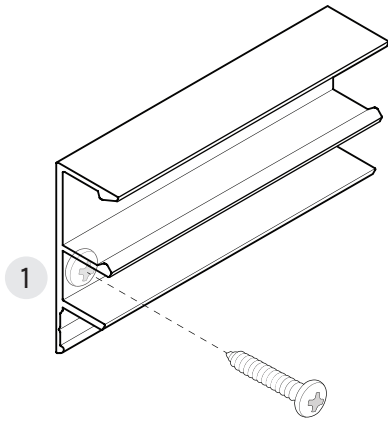
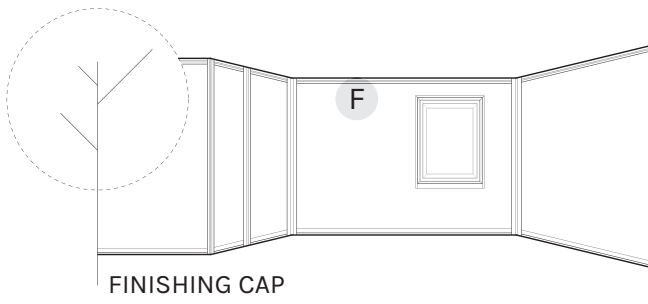


top support of siding board must be cut to rest inside finishing cap

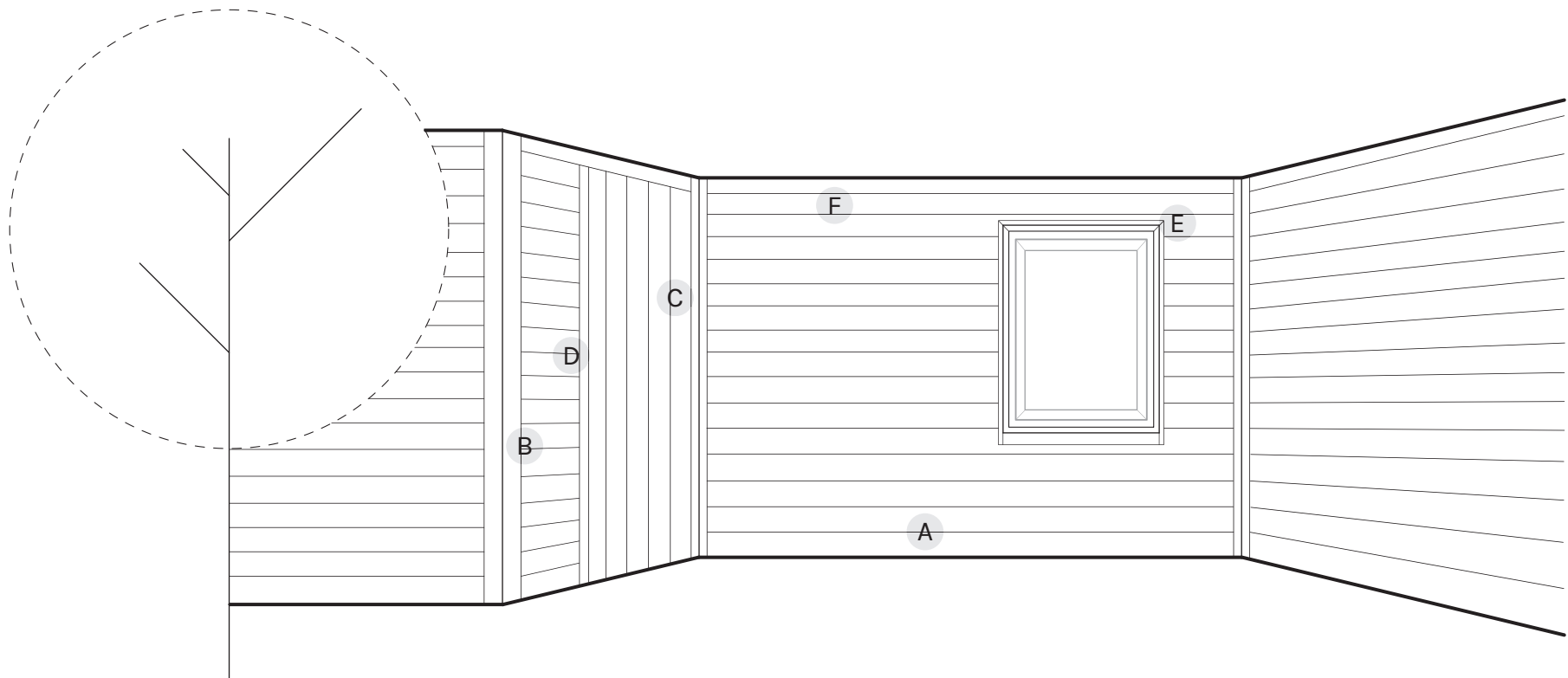


finishing caps can also be used to trim around windows









- A STARTER STRIP & V-GROOVE SIDING
- B OUTSIDE CORNER
- C INSIDE CORNER
- D FLAT CAP
- E J-TRIM
- F FINISHING CAP

*Enjoy!*