



## Installation Guide - Evolution Series Wood Siding

The following instructions pertain to the installation of Fraser Wood Siding Evolution Series on a typical wood frame construction allowing for nail penetration of 1" (min.) through the siding into solid wood every 16".

If your construction is of a different type, please call Fraser toll free at 1-888-457-3898.

Please read the following instructions prior to beginning your installation. Please consult the National Building Code of Canada, provincial and local building codes for requirements regarding the installation of siding, house wrap (breather membranes), etc.

Evolution tongue and groove end-match system locks the siding in place allowing for joints to fall anywhere between the furring strips. This in turn reduces cutting as well as waste.



### BEFORE YOU BEGIN — FRASER WOOD SIDING STORAGE

Your Fraser Wood Siding must be kept dry prior to installation. Fraser Wood Siding should be stored off the ground on a flat surface under a roof or under a waterproof covering. All siding should be left minor bundled until it is ready to fastened to the wall. Fraser Wood Siding's finish is a breathable coating that allows for the transfer of moisture in and out of the siding. Wet siding will expand across the width.

Fraser Wood Siding strictly adheres to the production procedures to deliver exceptional quality wood siding that meets or exceeds industry standards. **If for any reason, you encounter any unsatisfactory product, please call Fraser Wood Siding toll free at 1-888-457-3898 PRIOR TO INSTALLATION.**

**FRASER WOOD SIDING SHALL NOT BE RESPONSIBLE FOR PROBLEMS CAUSED BY IMPROPER STORAGE OR HANDLING.**

**FRASER WOOD SIDING does not warranty the installation of its product. It is the installer's responsibility to ensure the siding is installed according to this guide, failure to adhere to the installation instructions may void the warranty.**



## 1. Getting Started

Wall Preparation – Fraser Wood Siding Evolution should be installed over a standard 16" o/c stud wall with Plywood or OSB sheathing and an approved house wrap. There must be a minimum of 1/2" air space between the siding and sheathing. 1 x 3 kiln dried (actual 3/4") strapping is recommended except over rigid foam, ICF or a vertical application. When installing over ICF, rigid foam or SIPs panels\* the strapping must be a full actual 1". It is the installer's responsibility to ensure proper drainage and air flow (see ventilation below). **1X4 kiln dried lumber is recommended as furring strips.**

If you are installing over **rigid foam** it is mandatory to use **Full 1" thick (minimum) KD furring strips.**

## 2. Ventilation

### (Sec 1) Siding being installed horizontally

**The following procedures must be followed to ensure performance as well as maintain the Fraser Wood Siding warranties.**

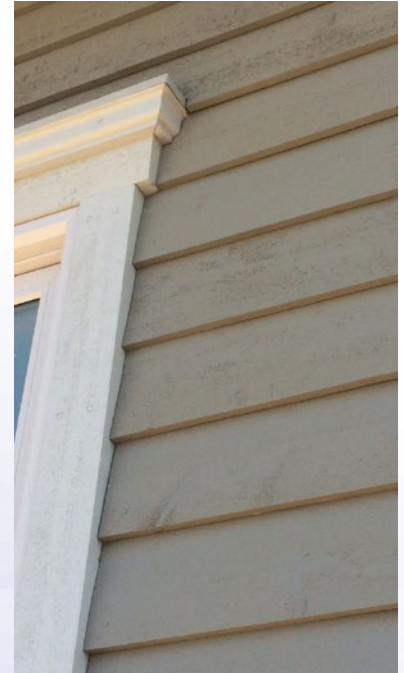
1. The strapping must be kiln dried and installed to allow air flow and drainage from the bottom of the wall. It must also allow for the air to vent out at the top of the wall. In all cases the Siding can be vented into the soffit OR a 3/8" exhaust (with bug screen) can be left at the top of the wall, below the soffit.
2. Over windows, doors and other permanent structures attached to the home (ex. Stone, Brick, decks, etc.) there must be a minimum of 3/8" gap (capillary break) between the flashing and siding with the proper ventilation as described in section 1 (one).
3. To prevent insects from nesting behind the siding a Starter strip or bug screen must be installed at the bottom and top (exhaust) of the wall (the only exception is at the top of the wall if it is vented into the soffit).

#### **IMPORTANT!!**

**If a horizontal strapping is placed at the bottom of the wall and prevents proper drainage and air flow, or if the top is not properly vented, ALL FRASER WOOD SIDING WARRANTIES WILL BE VOID.**

\*SIP panels - 1x3 KD (actual 3/4" strapping should be installed at 16" o/c to give 1" of solid wood for nail penetration.

WARNING - Any installation of wood siding over a SIP panel must receive an engineers approval prior to installation.





## 2. Ventilation (continued)

### (Sec 2) Siding being installed vertically

**Full 1" thick (minimum) kiln dried strapping is mandatory for any vertical application.**

**FOR BEST PERFORMANCE** – Install strapping at a 45° angle at 12" o/c or double strap (use standard strapping vertically and double strap with 1" on the horizontal).

Strapping can also be installed horizontally so long as there are 1/2" drainage slots every 48" between studs.

When installing Evolution vertically starter strip can be used. Insert the end-matched groove into the starter strip to eliminate face nailing. It is important to note that because full 1" thick (minimum) strapping is required you will also need a bug screen.

#### **IMPORTANT!!**

**If a horizontal strapping is placed at the bottom of the wall and prevents proper drainage and air flow, or if the top is not properly vented, ALL FRASER WOOD SIDING WARRANTIES WILL BE VOID.**

#### **IMPORTANT!!**

**END MATCH TONGUES MUST FACE UP (TOWARD THE TOP OF THE WALL) IN VERTICAL INSTALLATION OR ALL WARRANTIES WILL BE VOID.**



### 3. Laying Out Your Wall

The tally of your Evolution Series range from 4' to 16', boards measuring 4' – 10' should be installed between boards measuring 11'-16'. **NEVER PLACE BOARDS 12' OR LONGER END TO END.**

When installing the product always ensure the joints are staggered across the wall.

#### Starter Course

The starter course can be installed in the following two ways.

1. When using  $\frac{3}{4}$ " strapping use the Fraser Wood Siding Starter strip as the starter course. This will allow the recommended air flow, prevent insects from nesting behind the siding and eliminates the need for face nailing – **ensure the starter strip is installed level.** Starter Strips will ensure the siding is overhanging the furring strips to ensure proper rain runoff. The starter course is nailed on the top nailing line. The starter course must be a minimum of 8" from the ground.
2. Use Fraser Wood Siding skirt board – Evolution is designed to work with the standard skirt board, just overlap the top and face nail the bottom of the piece as well as on the nailing line. This only needs to be done with the first row.

Once the starter course is in place continue on placing boards tightly together on both the horizontal and end joints. It is recommended that when aligning the top of the boards you never allow more than 1/8" separation from the proceeding row.

When installing, check each third or fourth row to verify the siding is being installed level. If you find the siding is not running level adjust the proceeding rows (not more than 1/16"/row) until the siding has returned to level.

#### End Joints

When installing Fraser Wood Siding Evolution Series the end joints do not need to be cut and can fall anywhere between the furring strips.

When ending a row cut the siding as needed and use the remaining piece to start the next row. **Any time you cut the siding, whether it will be visible or not, it is mandatory to paint the exposed wood fiber, failure to do this will void the warranty.**

No caulking is recommended on the end match joints, where the siding meets the trim we recommend a high quality clear latex caulking as needed.



## 4. Nailing Instructions

Fraser manufactures three types of fasteners that are acceptable for installing Evolution

- 2" Stainless Steel Staples \*
- 2" Ringed Nails
- 2" Coil Nails

Both nails are color matched as standard.

\*Install two (2) staples at each connection point approximately 1/2" apart.

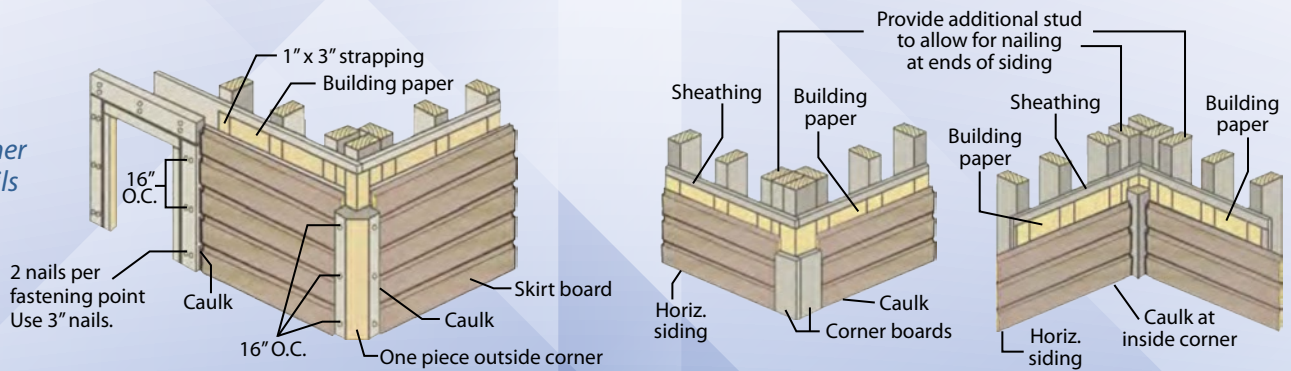
Staples and Nails are to be installed on the nailing line 1/2" from the top edge at a 20 degree angle into a minimum of 1" of solid wood, nails/staples are to be driven flush - **DO NOT over drive the nails/staples. If the nail/staple is driven above the line the siding may split and if driven below the line may be visible.**

### IMPORTANT!!

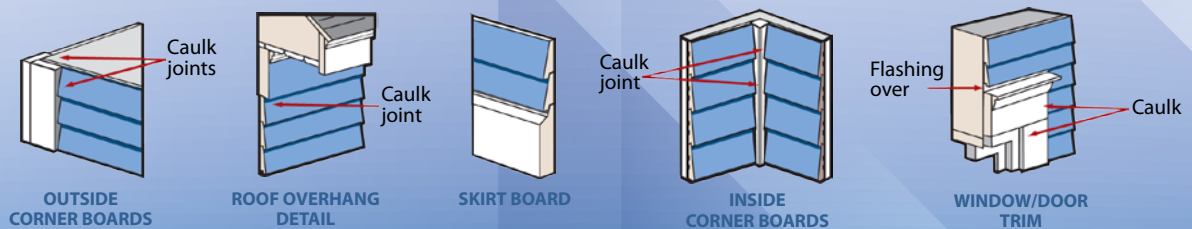
**Fraser Staples or Nails are required to maintain warranty.**

## 5. Typical Installations

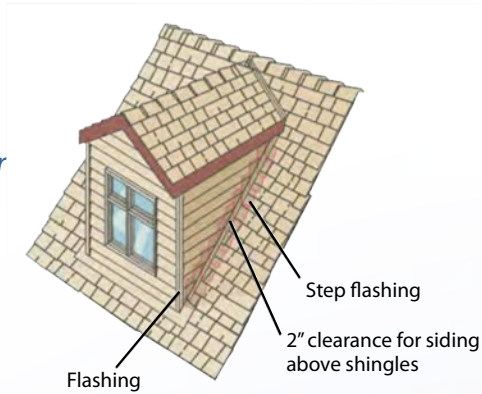
**Figure 8**  
Typical corner & trim details



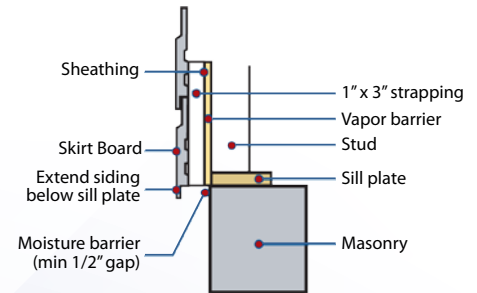
**Figure 9**  
Typical trim details



**Figure 10**  
*Typical dormer detail*



**Figure 11**  
*Siding must not contact masonry*



**IMPORTANT!!**

**APPLICATION OF PRODUCT CONSTITUTES ACCEPTANCE OF CONDITION OF PRODUCT.**

## 6. Final Notes

- 1/16" to 1/8" variance in height is considered normal.
- Siding must be a minimum of 8" off the ground
- Siding must be a minimum of 2" from roof shingles
- Space siding or skirt board min. 1/2" away from any masonry or stone

The following must be sealed using Fraser Wood Siding Touch up paint

- Minor scrapes and damage created during installation
- All cut ends
- Large wood surfaces created by ripping and mitering