

Note: These instructions are prepared for persons experienced in the field of soffit and siding installation and assume a foundational working knowledge of the tools and application process. **Longboard is a rear ventilated rain screen (RVRS) cladding system which meets the requirements of Part 9 of the building code when installed according to these instructions. Longboard does not require traditional rain screen furring!** Longboard is very similar to vinyl siding and soffit installation with the exception of the cutting and flexibility. Longboard requires more precision and is not as fast to install. It is highly recommended that Longboard be installed by an experienced professional.

Important! Before starting the install;

- Check the delivery is complete and everything has arrived in good condition
- Inspect product prior to application. Longboard is not responsible for the installation of blemished or damaged product.
- Use appropriate PPE (personal protection equipment) cutting metal on a compound miter saw increases risk of eye injury **USE EYE PROTECTION.**
- Plan your install for best yield/finish appearance.
- On wood finishes understand the repeating pattern to ensure a satisfactory install.
- **Do not install over pressure treated material without adequate barrier protection**

How is Longboard cut/fastened and what tools will I need:

A compound miter saw and small table saw with a blade for non-ferrous materials must be used, 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 saw, larger holes will require a jig saw. Protect surface prior to cutting holes

Longboard is fastened using the stainless steel clips provided with the order. The clips create the rear ventilation plane and allow for movement from thermal expansion/contraction. Use a 1 ½" length, #8 screw with corrosion resistance suitable for the application and climate. This will allow product to be removed if required without damage. Screws also allow the installer to "back off" the screw and shim to address substrate discrepancies.

Cutting Tips

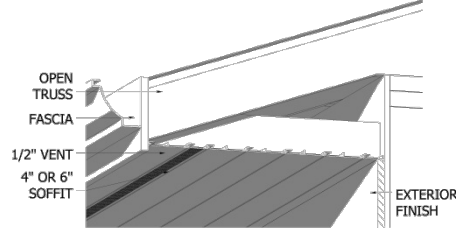
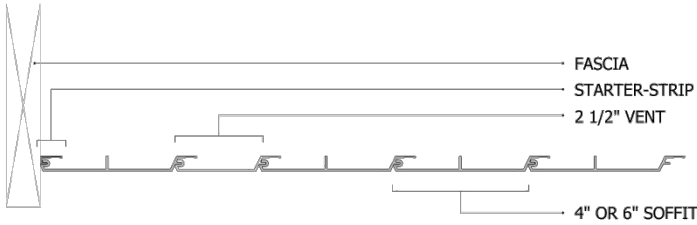
- Longboard Soffit is a finished material, complete upon install. A reasonable amount of care is essential to obtain the desired results; we recommend taping the face of the trim saw surface as well as table saw surface to prevent marring and scratches.
- Cut face up whenever possible.
- All Longboard Siding and Soffit profiles are produced a minimum of 1" longer than the spec'd length, specifically allowing the trimming of ends on woodgrain colour installations.
- **Always cut off taped ends** as corner trims and "J's" will not cover this.
- **Use touch-up pens (light & 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.

Expansion/Contraction

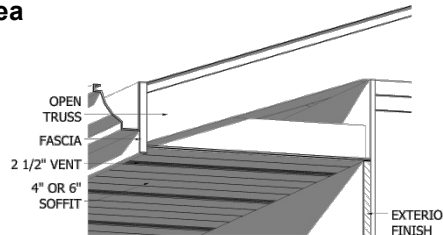
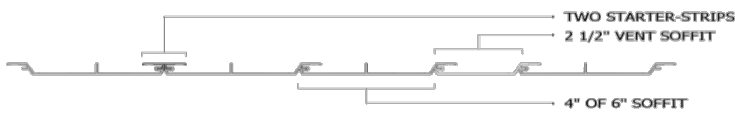
The expansion coefficient for aluminum will create movement in length of 5.6mm (1/4") on a 7.3m (24') piece of Longboard when exposed to a temperature change of 30 degrees C (86 F). For example if a full length (7.3m) or 24' of Longboard is installed at 8 degrees C (46 F) and the temperature increases to 38 degrees C (100 F) each end will have moved 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 Longboard 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 Longboard cladding profile and the trim profiles together as this will not allow the required movement to take place. If Longboard 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 left or right.**

Installation Instructions



Parallel to house Soffit Installation

- The stiffness of Longboard allows for fastening @ 32" O/C
- Press starter strip against fascia, apply Longboard clip and fasten using a corrosion resistant 1" #8 screw.
- Insert soffit female profile onto male starter strip, fasten with clip and screw.
- Insert integrated venting strip female profile onto male soffit profile, 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 soffit until completed
- Final soffit piece may need to be ripped and two piece closer profiles used
- The Longboard perforated vent provides 84 inches of NVA per 12' stock length. Ensure adequate venting as per code requirements **21 lineal ft. = 1 sqft of Net Vent Area**



Perpendicular to house Soffit Installation

- Center 2 start strips between fascia's and fasten through flange
- Insert soffit female profile onto male starter strip, fasten through flange
- Work out towards fascia corners
- Install enough integrated venting strips to meet local building codes

Siding installation

Follow the same principles as outlined for soffit, install all starter strips, J trims, and corner pieces before installing Longboard cladding profiles. On very short runs using a closer profile may be necessary as the siding profile will not be able to be flexed into the area between two trim pieces.

Installation Tips

- Longboard Soffit and Siding is essentially 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 paint pens to trace over the exposed cut during install, eliminating any possible metal glint.
- The use of Longboard components like the "Single J", "Double J", 2 piece expansion joint and 2 piece closer assemblies create a much quicker installation, resulting in labor cost savings, and no need to fuss with that perfect miter.
- On runs of siding or soffit which exceed 24 linear feet, an expansion joint using a "Double J" or 2 piece "snap cap and U channel" is recommended to allow for material expansion.
- Longboard products with the wood grain have a repeat pattern every 2' – 4' depending on the particular species. Some species have distinctive features which on a large wall format may display a noticeable pattern if not installed properly. Longboard arrives in boxes of 12 pcs with two pieces taped together at each end for a total of 6 sets. Each set has a "piece 1" and a "piece 2" (from a wood pattern perspective) these pieces are created from a different area of the pattern and therefore are distinct from each other however each will have the same repeat distance. To eliminate grain mirroring it is recommended to install a "piece 1" then a "piece 2" then an offset "piece 1" and then an offset "piece 2" and continue mixing the pieces up the wall.

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