

S O F F I T

Tongue & Groove



C L O S E D - J O I N T S Y S T E M

 **LONGBOARD®**
INSPIRING FACADES

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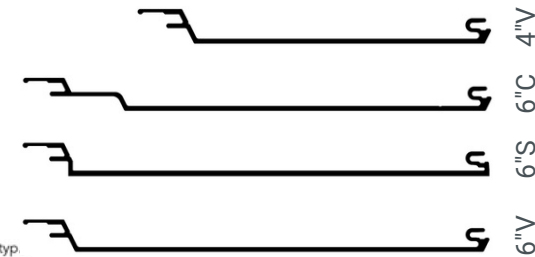
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Specialties, Inc.

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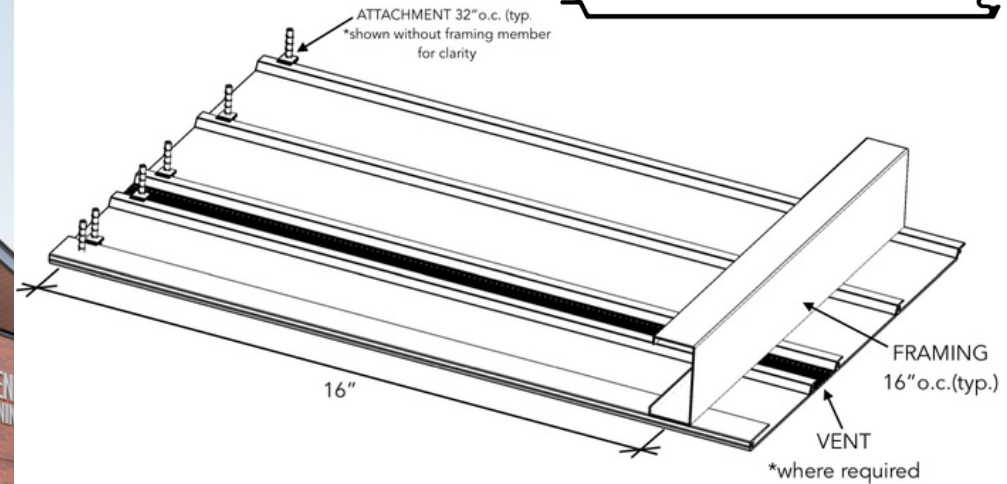
TONGUE & GROOVE SOFFIT



TYPICAL SECTIONS



TYPICAL ISOMETRIC



PHYSICAL DATA

6063-T5 Extruded Aluminum
 100% Recyclable
 Warranty: Finish: 15 year (standard)/20 year* (ultra) (*10 week lead time); Aluminum: 50 year
 Weight: approx. 1.5lbs/sq. ft.
 2-1/2" Vent provides net vent area of 84 SQ IN (541.9 SQ CM) PER 12' (3.7M) or 23.33% open

TESTING

ICC-ES Evaluation Report - Division: 07 00 00 Thermal and Moisture Protection Section: 07 46 00 - Siding

LARR - Los Angeles Department of Building Safety (LADBS) accepts ICC-ES reports as proof of compliance

Florida Product Code: FL20075

WUI (The Wildland-Urban Interface) - California Department of Forestry & Fire Protection Office of the State Fire Marshal Listing No. 8140-2286:0500

Fire Rating: Class A Non-Combustible by ASTM E136 & ASTM E84; A2-s1,d0 by EN 13501-1

Light Reflectance: 5% (Black) up to 73.2% (Ultra White)

Wind load: Up to 100 psf (4788 Pa)

info@longboardproducts.com

longboardproducts.com

1 (800) 604-0343

PROFILES - STANDARD LENGTHS: 24'

96 SQ FT/BOX
 V-Groove: 4", 6"
 Smooth: 6"
 Channel: 6"

COMPONENTS - STANDARD LENGTHS: 12'

TRADITIONAL: STARTER, 1-3/8" TWO PIECE J-TRACK, 1-3/8" TERMINATION SET, 1-1/2" FLAT REVEAL SET, 1-1/2" U-REVEAL SET, 1-1/2" T&G U-REVEAL, 2-1/2" V-GROOVE PERFORATED

CRAFTSMAN: 3/4" U-REVEAL SET, 3/4" T&G U-REVEAL

PRECISION: 5/8" STARTER J-TRACK, 5/8" J-TRACK, 5/8" TWO PIECE J-TRACK, 5/8" TERMINATION SET, 1/2" FLAT REVEAL, 1/2" T&G FLAT REVEAL

LEAD TIME

3-4 weeks (subject to change)

FINISHES

Woodgrains, Solid, Specialty
 Custom Solid Colour Matching (Additional Lead Times Apply)

ATTACHMENT

Planks: Quick-Screen Clips w. #8 screws* @ 32" o.c. (standard)
 Quick-Screen Clips included:
 135 pcs/4" box
 90 pcs/6" box
 Trims: hard fasten w. #8 screws* @ 24" o.c.
 *screws are NOT included

BIM & CAD

RVT & DWG files available, see website for details



LONGBOARD®
INSPIRING FACADES

TONGUE & GROOVE SOFFIT

INSTALLATION GUIDELINES

ERAL HOSPITAL

1. GENERAL

1.1. Product Description

Longboard® Tongue & Groove Soffit is an extruded aluminum vented* or non-vented soffit system. Planks are available in standard lengths of 24' (7.3m) and widths/profiles of 4" V-Groove, 6" V-Groove and 6" Channel. Components are 12' (3.7m) lengths, used for end captures such as around the perimeter of the installation as well as around penetrations and openings.

*Longboard 2-½" (63.5mm) V-Groove Perforated is used where venting is required (see appendix for Net Vent Area value).

1.2. Installation Considerations

Depth of system (measured from substrate to finished face):

Components = 9/16" (15mm) **this is the total depth of the system*

Planks = 1/2" (12mm)

Radiused soffits (eg: barrel vault): 15' (4.6m) minimum radius (contact Longboard for tighter radii details).

Longboard Products are not recommended for use on marine applications in direct contact with salt water.

1.3. Cutting

⚠ Always be sure to wear appropriate PPE: eye & hearing protection.

Use standard wood-cutting tools such as a Table Saw & Miter Saw with a carbide blade (60-80 tooth) for non-ferrous metals (aluminum), Jig Saw, Hole-Saw & drill for attachments.

Cut planks to the midpoint coverage area of components, to allow for expansion & contraction (see 1.4.1.). Trim the taped ends of all stock length material by 1/2" (12mm) each end and discard (see 1.5.).

1.4. Fastening

Components should be hard-fastened* every 16" (406mm) O.C. directly through the flange.

**#8 pan-head self-drilling screws (not included) are recommended*

Planks & Starter are secured using Longboard Quick-Screen Clips (included for standard 32" (813mm) O.C.) fastened to the substrate with screws*.

**#8 pan-head screws (not included) are recommended*

⚠ All fasteners should be suitable for exterior use and be compatible with the substrate type.

See Table 1 to adjust fastener spacings of Planks, to meet specific wind-loads.
 See Table 2 for fastener spacing and location of Starter.

Quick-Screen Clip Spacing - Wind-Load

Table 1: Maximum Tributary Area and Clip Spacing for Longboard Quick-Screen Clip

Maximum Factored Wind Load ¹ (psf)	4 in. Wide Planks			6 in. Wide Planks		
	Maximum Tributary Area of Clips (in ²)	Maximum Horizontal Spacing (in)	Maximum Vertical Spacing ^{2,3} (in)	Maximum Tributary Area of Clips (in ²)	Maximum Horizontal Spacing (in)	Maximum Vertical Spacing ^{2,3} (in)
Sheathed Wood-Frame Wall w/ 1.5 in. lg. #8 pan head wood screws						
+/- 20	245	61	4	313	52	6
+/- 30	214	53	4	274	46	6
+/- 40	194	49	4	222	37	6
+/- 50	179	45	4	179	30	6
+/- 60	149	37	4	149	25	6
+/- 70	128	32	4	128	21	6
Sheathed Wood-Frame Wall w/ 2.0 in. lg. #8 pan head wood screws						
+/- 20	245	61	4	313	52	6
+/- 30	214	53	4	274	46	6
+/- 40	194	49	4	246	41	6
+/- 50	180	45	4	197	33	6
+/- 60	164	41	4	164	27	6
+/- 70	141	35	4	141	23	6

Table 1 Cont'd: Maximum Tributary Area and Clip Spacing for Longboard Quick-Screen Clip

Maximum Factored Wind Load ¹ (psf)	4 in. Wide Planks			6 in. Wide Planks		
	Maximum Tributary Area of Clips (in ²)	Maximum Horizontal Spacing (in)	Maximum Vertical Spacing ^{2,3} (in)	Maximum Tributary Area of Clips (in ²)	Maximum Horizontal Spacing (in)	Maximum Vertical Spacing ^{2,3} (in)
Sheathed 18ga. 33ksi Steel Stud Wall w/ #8 Pan Head Self-Drilling Screws						
+/- 20	245	61	4	314	52	6
+/- 30	214	53	4	220	37	6
+/- 40	165	41	4	165	27	6
+/- 50	132	33	4	132	22	6
+/- 60	110	27	4	110	18	6
+/- 70	94	24	4	94	16	6
Sheathed 16ga. 50ksi Steel Stud Wall w/ #8 Pan Head Self-Drilling Screws						
+/- 20	245	61	4	313	52	6
+/- 30	214	53	4	274	46	6
+/- 40	194	49	4	217	36	6
+/- 50	174	44	4	174	29	6
+/- 60	145	36	4	145	24	6
+/- 70	124	31	4	124	21	6

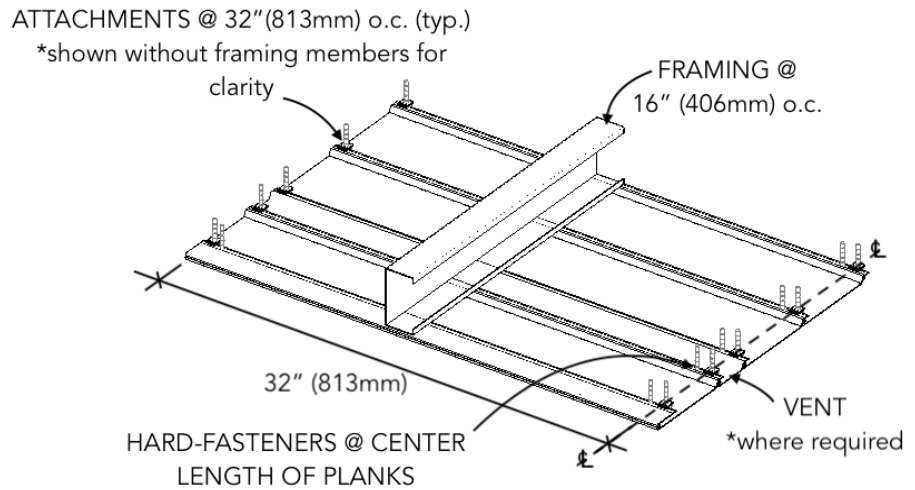
- ¹ - Wind loads are three second gust basic wind speed based, and assume all height, directionally, exposure, topographic, pressure and gust effect coefficients have been applied.
- ² - Spacing is from clip center to center
- ³ - Maximum vertical spacing limited by siding vertical dimension
- ⁴ - An unfastened dead load of 1.5 psf was assumed for the cladding.
- ⁵ - If fastening to every second stud, the attachment stud shall be staggered between adjacent runs of siding.
- ⁶ - The Starter Strip shall be fastened at 16 in. o.c. with #8 self-drilling screws into 18 ga. 33 ksi steel studs or 1.5 in. long #8 wood screws into wood studs (min. S-P-F grade). The Starter Strip shall be fastened at 32 in. o.c. with #8 self-drilling screws into 16 ga. 50 ksi steel studs or 2.0 in. long #8 wood screws into wood studs (min. S-P-F grade).

Table 2: Fastening Requirements Longboard Starter

Backing Wall/ Fastener	Maximum Factored Wind Load ¹ (psf)	Siding Width (in)	Maximum Horizontal Screw Spacing (in)	Screw Location In Strip	Siding Width (in)	Maximum Horizontal Screw Spacing (in)	Screw Location In Strip
Wood Stud w/ #8 - 1.5in lg. screws	+/- 20	4	16	End	6	16	End
	+/- 30		16	End		16	End
	+/- 40		16	End		16	Middle
	+/- 50		16	End		16	Middle
	+/- 60		16	Middle		16	Middle
	+/- 70		16	Middle		16	Middle
Wood Stud w/ #8 - 2.0in lg. screws	+/- 20	4	32	End	6	32	End
	+/- 30		32	End		16	End
	+/- 40		32	End		16	End
	+/- 50		16	End		16	Middle
	+/- 60		16	End		16	Middle
	+/- 70		16	End		16	Middle
18ga 33ksi steel studs w/ #8 screws	+/- 20	4	16	End	6	16	End
	+/- 30		16	End		16	Middle
	+/- 40		16	Middle		16	Middle
	+/- 50		16	Middle		16	Middle
	+/- 60		16	Middle		16	Middle
	+/- 70		16	Middle		16	Middle
16ga 50ksi steel studs w/ #8 screws	+/- 20	4	32	End	6	32	End
	+/- 30		32	End		16	End
	+/- 40		16	End		16	End
	+/- 50		16	End		16	Middle
	+/- 60		16	End		16	Middle
	+/- 70		16	End		16	Middle

Quick-Screen Clips allow for free movement of the planks, to expand & contract during thermal changes (see 1.4.1.).

TIP! It is good practice to hard-fasten each plank directly through the flange, near the center of each length to keep the planks from migrating.



! If installing with staggered butt-joints, hard-fasten the two planks at the butt-joint to ensure joints do not open up (see Detail A&B). Fasteners should be anchored into a solid secure framing member, blocking, furring strip or backer plate* etc. (*see Detail B). Use touch-up paint pens (purchased separately) to finish the ends of the two (2) planks at the butt-joint.

DO NOT hard fasten more than one (1) location per plank:

Butt-joints: at the joints

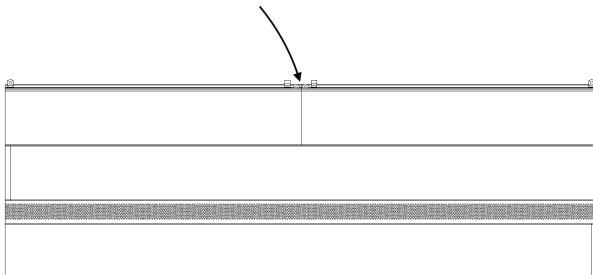
No butt-joints: center of planks

DO NOT install more than one (1) butt-joint between two components

DO NOT hard fasten a plank to a component trim, as this will restrict its ability to expand & contract into the component

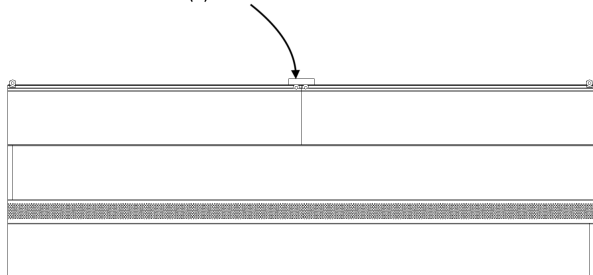
Detail A:

HARD FASTENERS PLACED AT ENDS OF EACH OF THE TWO (2) PLANKS, SECURED INTO SOLID SECURE FRAMING OR BLOCKING ETC.



Detail B:

STARTER SPANNING BUTT-JOINT AS BACKER. HARD FASTENERS PLACED AT EACH END OF THE TWO (2) PLANKS



1.4.1. Expansion & Contraction

Planks & Components expand & contract 1/4" (6mm) over 24' (7.3m) in all directions, measured over a 30°C (54°F) temperature range. The following expansion components should be installed every:

24' (7.3m)*: Traditional Flat Reveal Set, Traditional U-Reveal Set

*40' (12.2m) max. where staggered butt-joints are used

12' (3.7m): Craftsman U-Reveal Set

6' 8" (2m): Precision Flat Reveal

Each plank must terminate into a minimum of one (1) component to allow for expansion & contraction.

See **3. System Installation** for layout details and tables below for expansion/contraction calculations per foot/meter of material.

TABLE 1 - IMPERIAL

		AVERAGE TEMPERATURE AT TIME OF CUTTING & INSTALLATION											
		°C	-50	-40	-30	-20	-10	0	10	20	30	40	50
		°F	-58	-40	-22	-4	14	32	50	68	86	104	122
MIN/MAX POST CONSTRUCTION TEMP.	°C	°F	EXPANSION OR CONTRACTION (INCH/FOOT)										
	-50	-58	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019	-0.022	-0.024	-0.027
	-40	-40	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019	-0.022	-0.024
	-30	-22	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019	-0.022
	-20	-4	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019
	-10	14	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016
	0	32	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014
	10	50	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011
	20	68	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008
	30	86	0.022	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005
	40	104	0.024	0.022	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003
	50	122	0.027	0.024	0.022	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000

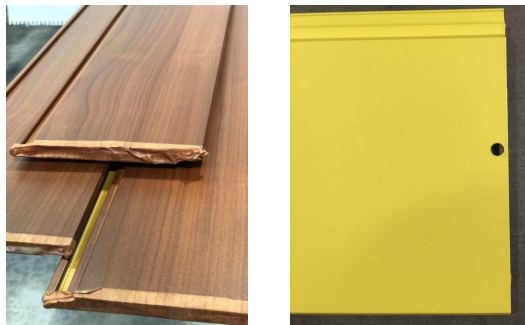
TABLE 2 - METRIC

		AVERAGE TEMPERATURE AT TIME OF CUTTING & INSTALLATION											
		°C	-50	-40	-30	-20	-10	0	10	20	30	40	50
		°F	-58	-40	-22	-4	14	32	50	68	86	104	122
MIN/MAX POST CONSTRUCTION TEMP.	°C	°F	EXPANSION OR CONTRACTION (MM/METER)										
	-50	-58	0.000	-0.230	-0.460	-0.690	-0.920	-1.150	-1.380	-1.610	-1.840	-2.070	-2.300
	-40	-40	0.230	0.000	-0.230	-0.460	-0.690	-0.920	-1.150	-1.380	-1.610	-1.840	-2.070
	-30	-22	0.460	0.230	0.000	-0.230	-0.460	-0.690	-0.920	-1.150	-1.380	-1.610	-1.840
	-20	-4	0.690	0.460	0.230	0.000	-0.230	-0.460	-0.690	-0.920	-1.150	-1.380	-1.610
	-10	14	0.920	0.690	0.460	0.230	0.000	-0.230	-0.460	-0.690	-0.920	-1.150	-1.380
	0	32	1.150	0.920	0.690	0.460	0.230	0.000	-0.230	-0.460	-0.690	-0.920	-1.150
	10	50	1.380	1.150	0.920	0.690	0.460	0.230	0.000	-0.230	-0.460	-0.690	-0.920
	20	68	1.610	1.380	1.150	0.920	0.690	0.460	0.230	0.000	-0.230	-0.460	-0.690
	30	86	1.840	1.610	1.380	1.150	0.920	0.690	0.460	0.230	0.000	-0.230	-0.460
	40	104	2.070	1.840	1.610	1.380	1.150	0.920	0.690	0.460	0.230	0.000	-0.230
	50	122	2.300	2.070	1.840	1.610	1.380	1.150	0.920	0.690	0.460	0.230	0.000

1.5. Surface Finish

The Longboard T&G Soffit system is available in a range of Woodgrain, Solid & Specialty Finishes with custom* solid colors available upon request. **Additional lead times apply*
Longboard Woodgrains have a repeat pattern, shipped in sets mated back-to-back in each box. Install these as they come out of the box, as an A&B pattern staggering each plank approx. 1-2' (305-610mm) from the previous plank to achieve a random pattern aesthetic.

All Longboard Products are produced 1" (25mm) oversized, as one end is hole-punched (all finishes) and both ends have 1/2" (12mm) of masking tape (woodgrains only) which must be cut off for best results.



1.6. Material Ordering & Delivery

Planks are sold in box quantities:

6" V-Groove & 6" Channel: 96 SQ FT/Box (8/24's) w. 90pcs Quick-Screen Clips included*

4" V-Groove: 96 SQ FT/Box (12/24's) w. 135 Quick-Screen Clips included*

(*for 32" (813mm) o.c. attachment)

Components are sold individually by the 12' (3.7m) length.

Lead time is 3-6 business days* + shipping (**subject to change*), delivered on 24' (7.3m) long skids weighing up to 2000 lbs. A mechanical lift with forks is required on site to receive the order.

⚠ Always inspect the delivery for damage and contact LB ASAP if there are any issues: info@longboardproducts.com or 1-800-604-0343 and include your PO# and any pictures if possible. Mark the delivery receipt as "damaged" and accept the delivery as-is. Longboard is not responsible for the installation of blemished or damaged material.

1.7. Storage & Handling

Be sure to store the material flat, keep it dry, safe & secure and remain in unopened cartons until ready to be installed. Ensure proper care when handling, to avoid damage on site.

2. FRAMING REQUIREMENTS

2.1. General

Always consult the local building authority and follow local building code requirements.

2.2. Load Capacity

The Longboard T&G Soffit system weighs approx. 1.5lbs/sq.ft. **see section drawings for individual item weights.*

2.3.1. Wood-Framing

Traditional soffit framing at 16" O.C. (406mm) with or without solid secure blocking* running perpendicular to the plank orientation.

**typically required for perpendicular soffit applications*

2.3.2. Metal Framing

18ga. (minimum)(see 1.4.Table 1) galvanized steel framing at 16" O.C. (406mm).

2.3.3. Concrete

Wood or metal furring strips (see 2.3.1. and 2.3.2. for standard requirements).

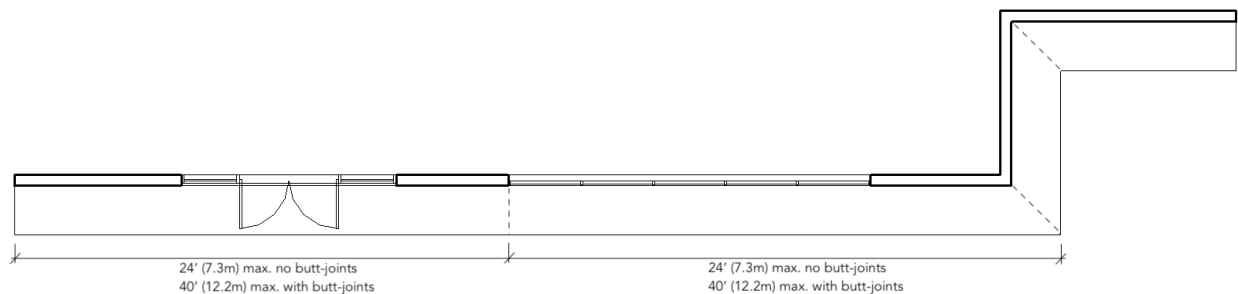
2.4. Framing Layout

Provide solid secure framing and/or blocking at 16" O.C. (406mm) for material support and attachment at 32" (813mm) O.C. (standard requirements). Where reveal trims are used; ensure all components land on a stud, blocking or 5/8" (16mm) wood sheathing is used.

3. SYSTEM INSTALLATION

3.1. Layout

Measure and layout your soffit area to consider plank & component alignment with fixtures, penetrations and adjacent walls, for the desired appearance. Understand and follow the rules for expansion components: Traditional Flat Reveal Set, Traditional U-Reveal Set, Craftsman U-Reveal Set, Precision Flat Reveal and place these accordingly (see appendix). (Traditional Components used for illustrative purposes).



3.2. Component Installation

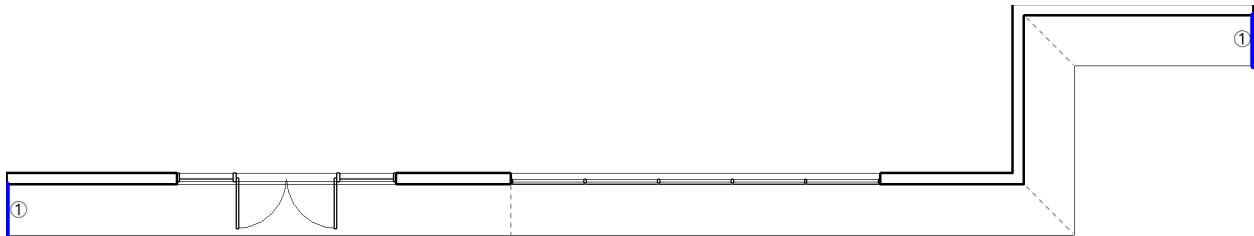
It is good practice to leave a 1/4" (6mm) gap between every 2nd joint or 24' (7.3m) of all components, to allow for expansion & contraction. Consider the preferred joints where components meet each other, to dictate which component is installed first (eg: right angle butt joints, mitered joints etc.).

**see Appendix for material details or website for full info section drawings.*

3.3. PARALLEL TO BUILDING (for perpendicular installs, see 3.4.)

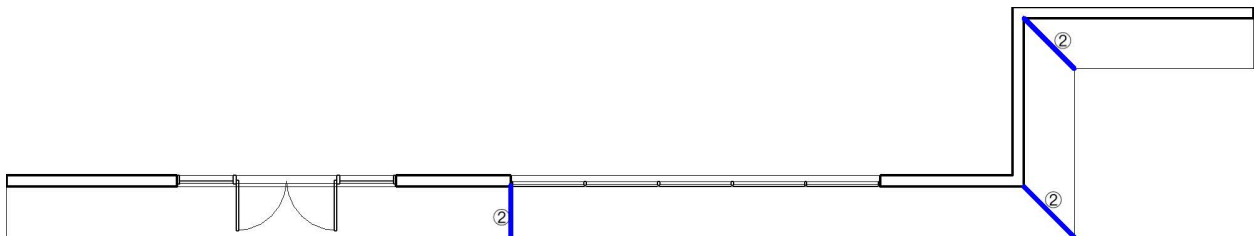
3.3.① PARA. - J-Track/Two Piece J-Track

Install J-Track or Two Piece J-Track where perpendicular to the plank orientation.



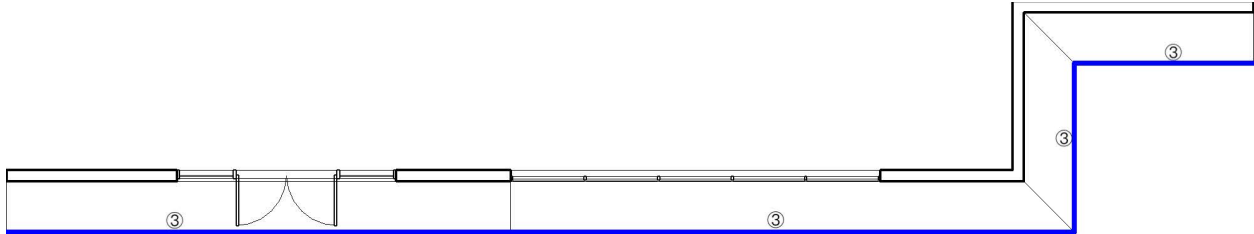
3.3.② PARA. - Expansion Reveal

For soffit areas greater than 24' (7.3m) long (no butt-joints) or 40' (12.2m) long (with staggered butt-joints) and where the soffit changes direction, install the Base for the Traditional Flat Reveal Set/Traditional U-Reveal Set. Where using the Craftsman U-Reveal Set, install this component every 12' (3.7m). Where using the Precision Flat Reveal, install this component every 6' 8" (2m). Ensure the Base is landing on a solid substrate sufficient to hold the fasteners.



3.3.③ PARA. - Starter/Starter J-Track

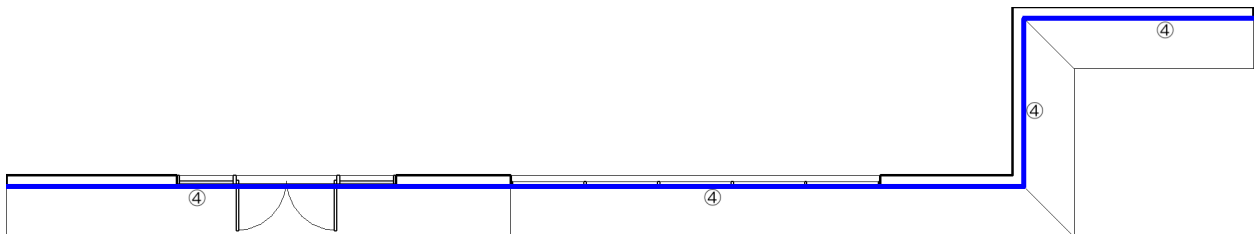
Install Starter or Starter J-Track along the outside perimeter edge of the soffit area(s), where parallel to the planks.



3.3.④ PARA. - Termination Set

Install the Termination Set (base only) along the end terminations where parallel to the planks, typically where the soffit meets the building.

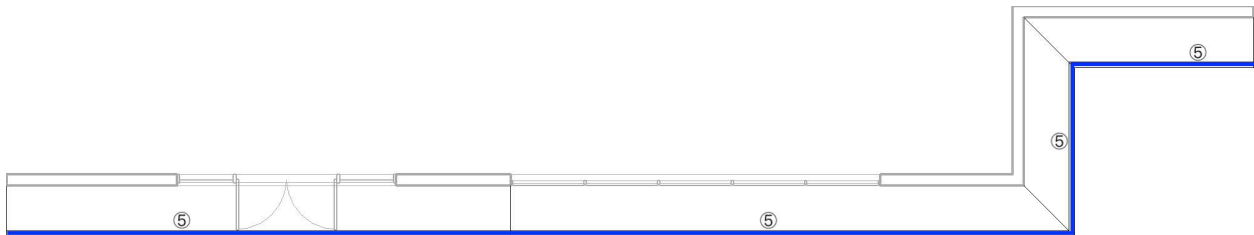
⚠ This component may not be needed, if the soffit is installed before the wall finish and can have the ripped edge of the soffit concealed by the wall finish.



3.3.⑤ PARA. - Planks

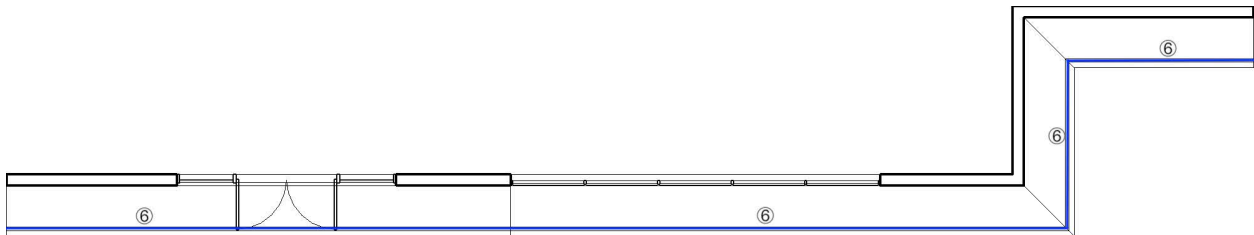
Install the first row of planks, engaging with the tongue of the Starter or Starter J-Track. Check for an aligned/square & flat installation, shim Quick-Screen Clips where needed to correct any substrate inconsistencies. Cut outs for recessed lighting and similar devices can be made using a bi-metal hole saw or jigsaw, finished by using the trim rings supplied with the fixture(s).

TIP! It is good practice to check your installation every 2-3 rows for alignment/flat/straight, for best results.



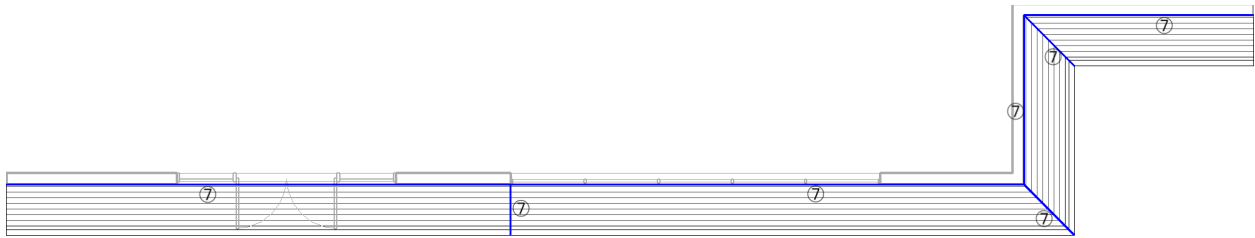
3.3.⑥ PARA. - Soffit Venting* (*where required)

Install 2-½" (63.5mm) V-Groove Perforated** where venting is required by code or building requirements, and where the air flow is not obstructed by framing or other elements above. Some designs may require more than one row of vent to meet net vent area (NVA) needs. Continue with Plank installation. **see appendix for NVA values



3.3. ⑦ PARA. - Component Caps

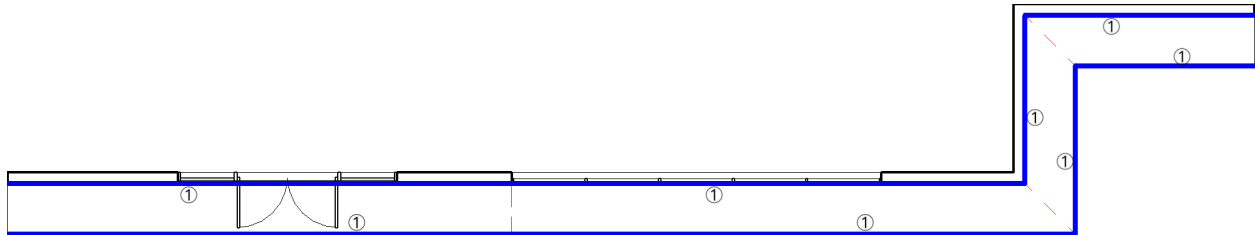
Install all caps: Flat Reveal Set, U-Reveal Set, Two Piece J-Track, Termination Set. Use a rubber mallet, hammer and block etc. to protect the finish during this process.



3.4. PERPENDICULAR TO BUILDING (for parallel installs, see 3.3.)

3.4.①PERP. - J-Track/Two Piece J-Track

Install J-Track or Two Piece J-Track where perpendicular to the plank orientation.



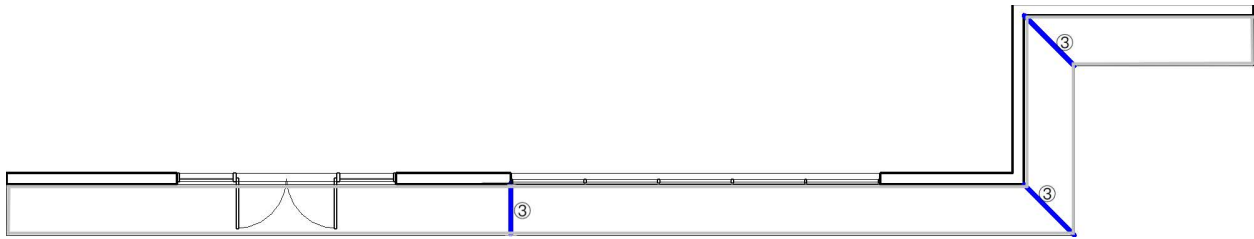
3.4.②PERP. - Termination Set

Install the Termination Set (base only) along the end terminations where parallel to the planks.



3.4.③ PERP. - Expansion Reveal

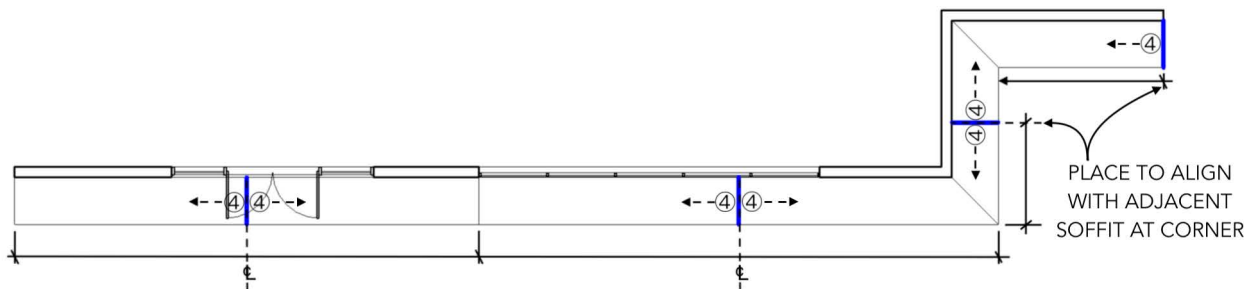
For soffit areas greater than 24' (7.3m) and where the soffit changes direction, install the Base for the Traditional Flat Reveal Set/Traditional U-Reveal Set. Where using the Craftsman U-Reveal Set, install this component every 12' (3.7m). Ensure the Base is landing on a solid substrate sufficient to hold the fasteners.



3.4.④ PERP. - Starter

Install Starter where it is ideal to begin the installation of Planks. Typically, place two (2) Starters back-to-back in the center of each soffit area (for equal width planks at each end) or one (1) Starter or Starter J-Track at one end of the installation.

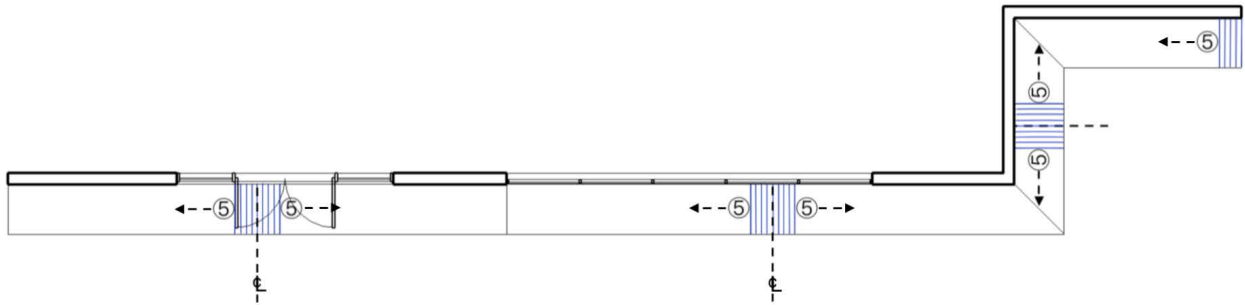
⚠ If using 6" Channel Planks, you cannot use the Starter back-to-back technique as the direction of the planks will be noticeable, due to the profile.



3.4.⑤ PERP. - Planks

Install the first row of planks, engaging with the tongue of the Starter. Check for an aligned/square & flat installation, shim Quick-Screen Clips where needed to correct any substrate inconsistencies.

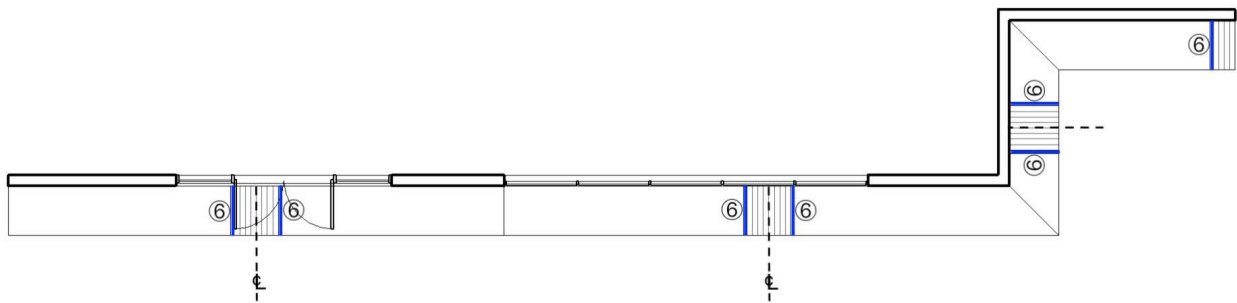
TIP! It is good practice to check your installation every 2-3 rows for alignment/flat/straight, for best results.



3.4.⑥ PERP. - Soffit Venting* (*where required)

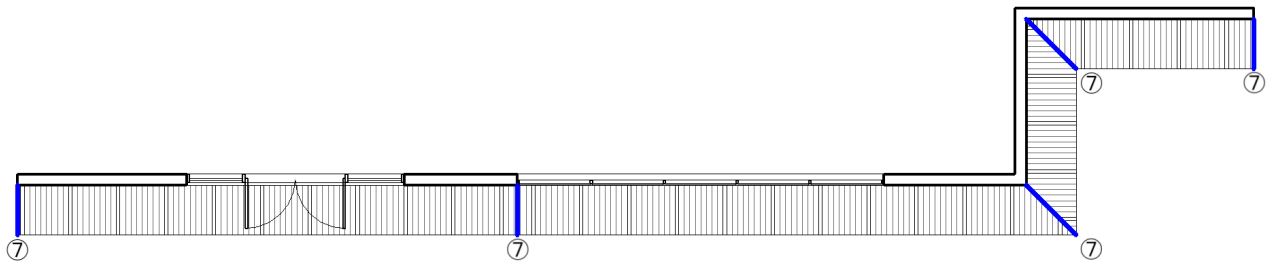
Install 2-1/2" (63.5mm) V-Groove Perforated** where venting is required by code or building requirements, and where the air flow is not obstructed by framing or other elements above. Continue with Plank installation until the next required row of Vent and repeat.

**see appendix for net vent area values



3.4. ⑦ PERP. - Component Caps

Install all caps: Flat Reveal Set, U-Reveal Set, Two Piece J-Track, Termination Set. Use a rubber mallet, hammer and block etc. to protect the finish during this process.



4. Cleaning Recommendations


**see Cleaning Guide for full requirements*

longboardproducts.com

While Longboard finishes require zero maintenance, we do recommend periodic cleaning to keep the product looking its best. Our finish is tested to withstand corrosion, fading and normal wear, however, neglect and rough conditions could have negative effects on the surface finish. These effects will not negate the structural performance of the product, but prolonged exposure to these conditions may result in permanent markings or surface damage.

Cleaning should be done in mild weather, and never in direct sunlight. Always complete a test patch on an inconspicuous area to ensure your detergent is suitable for the surface.

Your Longboard products should be cleaned immediately after installation. This is to remove any construction soils such as oils or dust. How to complete this initial cleaning depends on the level of dirt and the nature of the soil. See the cleaning guide for our suggestions based on soil level. Basic methods use a combination of moderate water pressure, soft sponge/brush and a mild detergent.


 NEVER use aggressive acid or alkaline cleaners on Longboard finishes. Do not use cleaners containing Trisodium Phosphate, Phosphoric Acid, Hydrochloric Acid, Hydrofluoric Acid, Fluorides or any other compound that is known to react with metal.

Always follow the product instructions for dilution. Cleaning the surface with a cleanser that is not diluted may result in damage to the coating.


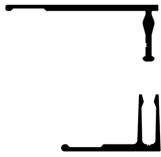


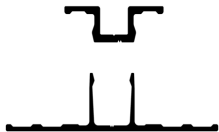
5. WARRANTY




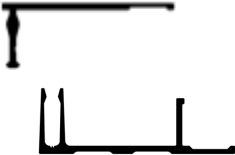
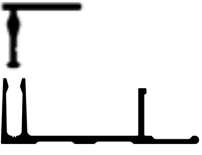
Upon substantial completion of the project, register for warranty online here:







longboardproducts.com/warranty

 Registration is required for the warranty to be in effect.

APPENDIX

INSTRUCTION STEP #	IMAGE	DESCRIPTION	TYPICAL USE
① PARA. & PERP.		PRECISION J-TRACK, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PERPENDICULAR TO PLANKS AROUND PENETRATIONS & END CONDITIONS
① PARA. & PERP. ⑦ PARA. & PERP.		TRADITIONAL TWO PIECE J-TRACK, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PERPENDICULAR TO PLANKS, USED AS AN EDGE TERMINATION COMPONENT. 24' (7.3m) MAX*. BETWEEN COMPONENTS. <i>*40' (12.2m) max. where staggered butt-joints are used</i>
① PARA. & PERP. ⑦ PARA. & PERP.		PRECISION TWO PIECE J-TRACK, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PERPENDICULAR TO PLANKS, USED AS AN EDGE TERMINATION COMPONENT. 6' 8" (2m) MAX. BETWEEN COMPONENTS.
② PARA. ③ PERP. ⑦ PARA. & PERP.		TRADITIONAL U-REVEAL SET, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	EXPANSION COMPONENT AT CORNERS AND IN THE FIELD OF THE SOFFIT AREA, PERPENDICULAR TO PLANKS. 24' (7.3m) MAX*. BETWEEN COMPONENTS. <i>*40' (12.2m) max. where staggered butt-joints are used</i>
② PARA. ③ PERP. ⑦ PARA. & PERP.		CRAFTSMAN U-REVEAL SET, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	EXPANSION COMPONENT AT CORNERS AND IN THE FIELD OF THE SOFFIT AREA, PERPENDICULAR TO PLANKS. 12' (3.7m) MAX*. BETWEEN COMPONENTS.

INSTRUCTION STEP #	IMAGE	DESCRIPTION	TYPICAL USE
②PARA. ③PERP. ⑦PARA. & PERP.		TRADITIONAL FLAT REVEAL SET, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	EXPANSION COMPONENT AT CORNERS AND IN THE FIELD OF THE SOFFIT AREA, PERPENDICULAR TO PLANKS. 24' (7.3m) MAX*. BETWEEN COMPONENTS. *40' (12.2m) max. where staggered butt-joints are used
②PARA.		PRECISION FLAT REVEAL, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	EXPANSION COMPONENT AT CORNERS (parallel soffit only) AND IN THE FIELD OF THE SOFFIT AREA, PERPENDICULAR TO PLANKS. 6' 8" (2m) MAX. BETWEEN COMPONENTS. BUTT-JOINTS IN PLANKS SHOULD NOT BE USED.
③PARA. ④PERP.		STARTER, 12' (3.7m) LENGTHS, MILL FINISH (RAW ALUMINUM), WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PARALLEL TO THE STARTING PLANK
②PERP. ④PARA. ⑦PARA. & PERP.		TRADITIONAL TERMINATION SET, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PARALLEL TO PLANKS, USED AS AN EDGE TERMINATION COMPONENT
②PERP. ④PARA. ⑦PARA. & PERP.		PRECISION TERMINATION SET, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PARALLEL TO PLANKS, USED AS AN EDGE TERMINATION COMPONENT

INSTRUCTION STEP #	IMAGE	DESCRIPTION	TYPICAL USE
③ PARA. ④ PERP. ⑤ PARA. & PERP. ⑥ PARA. & PERP.		QUICK-SCREEN CLIP, 316 STAINLESS STEEL	PLANK, STARTER & VENT ATTACHMENT CLIP (USE #8 SCREW, SUPPLIED BY OTHERS)
⑤ PARA. & PERP.		4" V-GROOVE SIDING PLANK, 24' (7.3m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	SOFFIT PLANK
⑤ PARA. & PERP.		6" V-GROOVE SIDING PLANK, 24' (7.3m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	SOFFIT PLANK
⑤ PARA. & PERP.		6" CHANNEL SIDING PLANK, 24' (7.3m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	SOFFIT PLANK
⑥ PARA. & PERP.		2-1/2" (63.5mm) V-Groove Perforated, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID, PROVIDES NET VENT AREA OF 84 SQ IN (541.9 SQ CM) PER 12' (3.7M) OR 23.33% OPEN	PARALLEL & PERPENDICULAR SOFFIT VENT STRIP, USED WHERE VENTING REQUIRED BY CODE OR BUILDING REQUIREMENTS
		PAINT PEN, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	USED AT EXPOSED CUT ENDS (EG: COMPONENT ENDS AND BUTT-JOINTS)



LONGBOARD®

Light Cherry



LONGBOARD®

Dark Cherry



LONGBOARD®

Western Cedar



LONGBOARD®

Light Fir



LONGBOARD®

Dark Fir



LONGBOARD®

Dark Walnut



LONGBOARD®

Light National Walnut



LONGBOARD®

Dark National Walnut



LONGBOARD®

Table Walnut

Most Popular Woodgrains



LONGBOARD®

Italian Rosewood

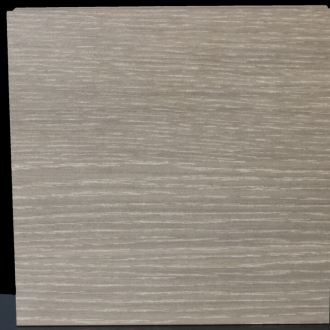


LONGBOARD®
INSPIRING FACADES



LONGBOARD®
INSPIRING FACADES

Weathered Grey (Interior Only)



LONGBOARD®
INSPIRING FACADES

Sand Drift (Interior Only)



LONGBOARD®
INSPIRING FACADES

Light Oak



LONGBOARD®
INSPIRING FACADES

Dark Knotty Pine



LONGBOARD®
INSPIRING FACADES

Dark Antique Oak



LONGBOARD®
INSPIRING FACADES

Dark Acacia



LONGBOARD®
INSPIRING FACADES

Light Bamboo



LONGBOARD®
INSPIRING FACADES

Dark Bamboo



LONGBOARD®
INSPIRING FACADES

White Oak

Additional Woodgrains



LONGBOARD®
INSPIRING FACADES

Birchwood



LONGBOARD®
INSPIRING FACADES



Black

Brick Red

Medium Blue



Dark Brown

Classic Bronze

Slate Grey



Ultra White

C. Charcoal

Charcoal

Standard Solid Colours



Bone White





Biscotti



Canyon Vista



Burnt Sienna



Venus



Platinum Ice



Moonstone

Specialty Finishes

**** NEW ****



LONGBOARD®
INSPIRING FACADES



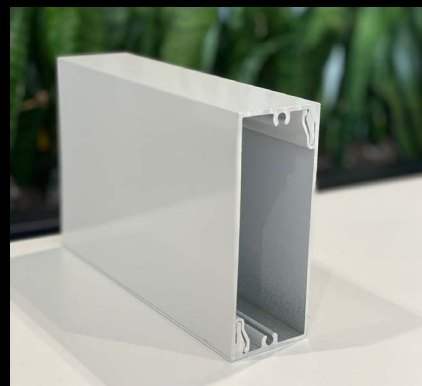
Anodic Ice



Copper Penny



Old Navy



Ceramic Clay



Mayne Inc. #120 – 1777 Clearbrook Rd Abbotsford, BC Canada V2T 5X5
Mayne Inc. the Manufacturers of Longboard® Products
Office: 1.800.604.0343
Email: info@longboardproducts.com
Web: longboardproducts.com

15 Year Powder Coating Finish Limited Warranty for Longboard Products
50 Year Extruded Aluminum Profiles Limited Warranty for Longboard Products

warrants to;

Please input company name that's registering the warranty

that any Longboard products as identified by the Product Codes listed below, Longboard products will conform to the standards set out in Clause 1 and Clause 2 of this Warranty, subject to the terms and conditions set out in Clause 3 and 4 of this Warranty.



Product Codes	Description



Print Name of Contractor or Owner:

Project Name:

Property Address:

Substantial Date of Completion:

Description of Product on jobsite:





I have read and agree to the terms of the Mayne Inc.'s Longboard Product 15 year powder coated surface and 50 year aluminum extruded profile(s) warranty and acknowledge receipt of a copy of the Warranty Certificate.

[Redacted signature area]

(Name of Owner/Contractor)

[Redacted signature area]

(Signature)

[Redacted signature area]

(Date)

Duly authorized for on behalf of Mayne Inc.

(Name and Designation)

(Signature)

(Date)





Clause 1.0

Extruded Aluminum Profile(s)

Mayne Inc. expressly warrants that its product line is free from manufacturing defects in material or workmanship.

- 1.1 When siding is applied according to Longboard instructions and properly maintained, such product is guaranteed against the following:
- 1.2 Buckling: The product itself will be free of any buckling that is not associated with the substrate and/or structure to which the Longboard system is attached. For the purpose of this warranty, buckling shall be defined as warping of the product(s) exceeding one sixteenth of an inch out of plane per linear foot.
- 1.3 Corrosion: When applied according to Mayne Inc. instructions and properly maintained, such product is further guaranteed against rusting and corroding. Subject to the limitations set out in Clause 3 and 4.
- 1.4 What we will do: If, during the fifteenth (15th) year Limited Warranty Period on the powder coating finish, the Product is defective in material or workmanship, Mayne Inc. will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.5 What we will do: If, during the 50-year Limited Warranty Period on the aluminum extruded profiles, the Product is defective in material or workmanship, Mayne Inc. will, in its sole discretion, either repair or replace the defective portion of the Product.





Clause 1.0 continued
Extruded Aluminum Profile(s)

Mayne Inc. expressly warrants that its product line is free from manufacturing defects in material or workmanship continued:

- 1.5 After the 15th year, this Limited Warranty on the powder coated finish will expire and shall no longer be applicable.
- 1.6 After the 50th year, this Limited Warranty on the aluminum extruded profile(s) will expire and shall no longer be applicable.
- 1.7 Mayne Inc. replacement of the defective Product or reimbursement of this Limited Warranty is the exclusive remedy for the Covered Person for any defect in materials or workmanship. Mayne Inc. will not refund or pay any costs in connection with labor or accessory materials.



Clause 2.0
Alluminate Ultra Finish

- 2.1 During the first fifteen (15) years of this warranty:
- 2.2 Checking/Cracking: No visible checking or cracking of the Alluminate Ultra Finish on the building.
- 2.3 Chalking Resistance: No chalking of the Alluminate Ultra Finish on the building in excess of that represented by No.6 rating based on ASTM D4214.
- 2.4 Color Retention: No color change of the Alluminate Ultra Finish on the building greater than 5 (five) CIE Lab ΔE units calculated in accordance with ASTM 2244 Section 6.3. Color change shall be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.
- 2.5 Gloss Retention: Coated surface will exhibit gloss retention of a minimum of 30% of the original. Gloss retention shall be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.
- 2.6 Adhesion: Adhesion of Alluminate Ultra Finish when initially applied to test panels and measured by reference to AAMA 2604-02 Clause 7.4.2 will show no removal of the film.

Clause 3.0

3.1 Warranty Terms and Conditions:

3.2 The “Warranty Period” for the warranties in Clause 1 shall mean fifty (50) years or for as long as the original “owner” and/or “purchaser” named above shall live and own the property on which the material was originally installed.

3.3 Clause 3: Shall mean fifteen (15) years, commencing on the date of completion.

3.4 Registration of the product is required for the warranty to be in effect. This warranty is valid for the original purchaser and one other owner of the structure where the product(s) have been installed.

3.7 Normal atmospheric conditions exclude corrosive or aggressive atmospheres such as those contaminated with chemical fumes or other corrosive elements. The Aluminate Ultra finish is not meant for marine use on boats, ships or offshore platforms.

Clause 4.0

4.1 This warranty will not extend or cover:

4.2 Damages to the coated metal caused by handling, shipping, processing and/or installation; or

4.3 Damages to the coated metal caused by scratching or abrading after installation; or

4.4 Damages to the coated metal as a result of standing water in horizontal installations.

Clause 4.0 continued

- 4.5 The warranty will not be applicable to damage or failure, which is caused by acts of God, falling objects, external forces, explosions, fire, riots, civil commotion's, acts of war, or other such similar or dissimilar occurrences beyond Mayne Inc.'s control.
- 4.6 Customer shall make available to Mayne Inc. the dates of the installation of the coated metal, the maintenance records including details of washing and cleaning procedures in compliance with the annual cleaning requirements as stated in the Required Maintenance section of this warranty. Customers shall demonstrate that the failure of the coated metal was due to a breach of the warranty stated herein.
- 4.7 Claims must be made in writing to Mayne Inc. within 30 days of the discovery of a problem and authorization obtained prior to beginning any repair and/or refinishing work. The claimant must provide proof of coverage. Claims can be made by writing to Mayne Inc. at the Product Performance Department. After receiving such notice, Mayne Inc. must be given a reasonable opportunity to inspect and verify the claim.
- 4.8 Mayne Inc. exclusive liability under this warranty, or otherwise, will be limited to refinishing and/or repairing, at Mayne Inc.'s sole discretion, the defective powder coating. The warranty on any refinished, repaired or replaced coated metal supplied hereunder shall be for the remainder of the warranty period applicable to the originally coated metal. All warranty work will be performed by a company or contractor selected by Mayne Inc. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.

Clause 4.0 continued

- 4.9 This warranty represents the entire agreement between parties in relation to its subject matter and supersedes any previous agreement whether written or oral between the parties in relation to its subject matter. The limited warranties state the entire liability of Mayne Inc. with respect to the products covered by them. Mayne Inc. Shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of Mayne Inc. except as expressly set forth above, and any such statement shall not be binding on Mayne Inc. Except as expressly set forth above, Mayne Inc makes no warranty of any kind, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Warranties shall be the duration of the limited warranty or such shorter duration as provided under applicable local law. These limited warranties give you specific legal rights, and you may also have other rights which vary from area to area.
- 4.91 Nothing in this warranty shall be construed as a warranty of the workmanship of any installer or as imposing on Mayne Inc. any liability for unsatisfactory performance caused by faulty workmanship in installation.
- 4.92 It's agreed all parties involved that all claims and disputes relating to this agreement that cannot be settled through negotiation will try in good faith to first settle the dispute by mediation administered by the American Arbitration Association (Construction Industry Mediation Procedures) as a prelude to mandatory binding arbitration. Such binding arbitration is to be conducted and administered by the Construction Industry Arbitration Rules of the American Arbitration Association. Both seller and purchaser agree to share equally in the costs of both mediation and arbitration and that such binding arbitration will be the sole and final remedial action.
- 4.93 Required Maintenance. On an annual basis use a soft sponge or cloth, water and mild detergent, non-abrasive soap with the pH range of 5-9 to clean the powder coated area of dirt, grim and other debris. Pressure washing and the use of harsh detergents or chemicals is not recommended. Include in your maintenance records the following: date, time, specific products used, name of maintenance person and their designation, maintenance company name and general condition of the powder coated finish.



Mayne Inc. #120 – 1777 Clearbrook Rd Abbotsford, BC Canada V2T 5X5
Mayne Inc. the Manufacturers of Longboard® Products
Office: 1.800.604.0343
Email: info@longboardproducts.com
Web: longboardproducts.com

20 Year Powder Coating Finish Limited Warranty for Longboard Products
50 Year Extruded Aluminum Profiles Limited Warranty for Longboard Products

warrants to;

Please input company name that's registering the warranty

that any Longboard products as identified by the Product Codes listed below, Longboard products will conform to the standards set out in Clause 1 and Clause 2 of this Warranty, subject to the terms and conditions set out in Clause 3 and 4 of this Warranty.



Product Codes	Description



Print Name of Contractor or Owner:

Project Name:

Property Address:

Substantial Date of Completion:

Description of Product on jobsite:





I have read and agree to the terms of the Mayne Inc.'s Longboard Product 20 year powder coated surface and 50 year aluminum extruded profile(s) warranty and acknowledge receipt of a copy of the Warranty Certificate.

[Redacted signature area]

(Name of Owner/Contractor)

[Redacted signature area]

(Signature)

[Redacted signature area]

(Date)

Duly authorized for on behalf of Mayne Inc.

[Redacted signature area]

(Name and Designation)

(Signature)

(Date)





Clause 1.0

Extruded Aluminum Profile(s)

Mayne Inc. expressly warrants that its product line is free from manufacturing defects in material or workmanship.

- 1.1 When siding is applied according to Longboard instructions and properly maintained, such product is guaranteed against the following:
- 1.2 Buckling: The product itself will be free of any buckling that is not associated with the substrate and/or structure to which the Longboard system is attached. For the purpose of this warranty, buckling shall be defined as warping of the product(s) exceeding one sixteenth of an inch out of plane per linear foot.
- 1.3 Corrosion: When applied according to Mayne Inc. instructions and properly maintained, such product is further guaranteed against rusting and corroding. Subject to the limitations set out in Clause 3 and 4.
- 1.4 What we will do: If, during the twenty (20) year Limited Warranty Period on the powder coating finish, the Product is defective in material or workmanship, Mayne Inc. will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.5 What we will do: If, during the 50-year Limited Warranty Period on the aluminum extruded profiles, the Product is defective in material or workmanship, Mayne Inc. will, in its sole discretion, either repair or replace the defective portion of the Product.





Clause 1.0 continued
Extruded Aluminum Profile(s)

Mayne Inc. expressly warrants that its product line is free from manufacturing defects in material or workmanship continued:

- 1.5 After the 20th year, this Limited Warranty on the powder coated finish will expire and shall no longer be applicable.
- 1.6 After the 50th year, this Limited Warranty on the aluminum extruded profile(s) will expire and shall no longer be applicable.
- 1.7 Mayne Inc. replacement of the defective Product or reimbursement of this Limited Warranty is the exclusive remedy for the Covered Person for any defect in materials or workmanship. Mayne Inc. will not refund or pay any costs in connection with labor or accessory materials.



Clause 2.0
Alluminate Ultra Finish

- 2.1 During the first twenty (20) years of this warranty:
- 2.2 Checking/Cracking: No visible checking or cracking of the Alluminate Ultra Finish on the building.
- 2.3 Chalking Resistance: No chalking of the Alluminate Ultra Finish on the building in excess of that represented by No.8 rating based on ASTM D4214.
- 2.4 Color Retention: No color change of the Alluminate Ultra Finish on the building greater than 5 (five) CIE Lab ΔE units calculated in accordance with ASTM 2244 Section 6.3. Color change shall be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.
- 2.5 Gloss Retention: Coated surface will exhibit gloss retention of a minimum of 30% of the original. Gloss retention shall be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.
- 2.6 Adhesion: Adhesion of Alluminate Ultra Finish when initially applied to test panels and measured by reference to AAMA 2604-02 Clause 7.4.2 will show no removal of the film.



Clause 3.0

3.1 Warranty Terms and Conditions:

3.2 The “Warranty Period” for the warranties in Clause 1 shall mean fifty (50) years or for as long as the original “owner” and/or “purchaser” named above shall live and own the property on which the material was originally installed.

3.3 Clause 3: Shall mean fifteen (20) years, commencing on the date of completion.

3.4 Registration of the product is required for the warranty to be in effect. This warranty is valid for the original purchaser and one other owner of the structure where the product(s) have been installed.

3.7 Normal atmospheric conditions exclude corrosive or aggressive atmospheres such as those contaminated with chemical fumes or other corrosive elements. The Aluminate Ultra finish is not meant for marine use on boats, ships or offshore platforms.

Clause 4.0

4.1 This warranty will not extend or cover:

4.2 Damages to the coated metal caused by handling, shipping, processing and/or installation; or

4.3 Damages to the coated metal caused by scratching or abrading after installation; or

4.4 Damages to the coated metal as a result of standing water in horizontal installations.



Clause 4.0 continued

- 4.5 The warranty will not be applicable to damage or failure, which is caused by acts of God, falling objects, external forces, explosions, fire, riots, civil commotion's, acts of war, or other such similar or dissimilar occurrences beyond Mayne Inc.'s control.
- 4.6 Customer shall make available to Mayne Inc. the dates of the installation of the coated metal, the maintenance records including details of washing and cleaning procedures in compliance with the annual cleaning requirements as stated in the Required Maintenance section of this warranty. Customers shall demonstrate that the failure of the coated metal was due to a breach of the warranty stated herein.
- 4.7 Claims must be made in writing to Mayne Inc. within 30 days of the discovery of a problem and authorization obtained prior to beginning any repair and/or refinishing work. The claimant must provide proof of coverage. Claims can be made by writing to Mayne Inc. at the Product Performance Department. After receiving such notice, Mayne Inc. must be given a reasonable opportunity to inspect and verify the claim.
- 4.8 Mayne Inc. exclusive liability under this warranty, or otherwise, will be limited to refinishing and/or repairing, at Mayne Inc.'s sole discretion, the defective powder coating. The warranty on any refinished, repaired or replaced coated metal supplied hereunder shall be for the remainder of the warranty period applicable to the originally coated metal. All warranty work will be performed by a company or contractor selected by Mayne Inc. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.

Clause 4.0 continued

- 4.9 This warranty represents the entire agreement between parties in relation to its subject matter and supersedes any previous agreement whether written or oral between the parties in relation to its subject matter. The limited warranties state the entire liability of Mayne Inc. with respect to the products covered by them. Mayne Inc. Shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of Mayne Inc. except as expressly set forth above, and any such statement shall not be binding on Mayne Inc. Except as expressly set forth above, Mayne Inc makes no warranty of any kind, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Warranties shall be the duration of the limited warranty or such shorter duration as provided under applicable local law. These limited warranties give you specific legal rights, and you may also have other rights which vary from area to area.
- 4.91 Nothing in this warranty shall be construed as a warranty of the workmanship of any installer or as imposing on Mayne Inc. any liability for unsatisfactory performance caused by faulty workmanship in installation.
- 4.92 It's agreed all parties involved that all claims and disputes relating to this agreement that cannot be settled through negotiation will try in good faith to first settle the dispute by mediation administered by the American Arbitration Association (Construction Industry Mediation Procedures) as a prelude to mandatory binding arbitration. Such binding arbitration is to be conducted and administered by the Construction Industry Arbitration Rules of the American Arbitration Association. Both seller and purchaser agree to share equally in the costs of both mediation and arbitration and that such binding arbitration will be the sole and final remedial action.
- 4.93 **Required Maintenance.** On an annual basis use a soft sponge or cloth, water and mild detergent, non-abrasive soap with the pH range of 5-9 to clean the powder coated area of dirt, grim and other debris. Pressure washing and the use of harsh detergents or chemicals is not recommended. Include in your maintenance records the following: date, time, specific products used, name of maintenance person and their designation, maintenance company name and general condition of the powder coated finish.

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