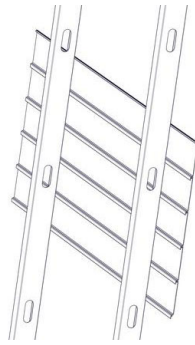


ENDURA CEILING SYSTEM

MAR 2022

TYPICAL ISOMETRIC



PROFILES

Perforated:

(6" profiles available w. Soundtex®)

- V-groove: 2-1/2" 1
- V-groove: 6" 2, 3
- Smooth plank: 6" 2, 3

Non-perforated:

- V-groove: 2-1/2" 1
- V-groove: 6" 2, 3 2, 3
- Smooth plank: 6"

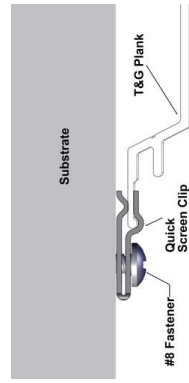
- 1. 12' lengths, 20 FT² per box
- 2. 12' lengths, 48 FT² per box
- 3. 24' lengths, 96 FT² per box

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.

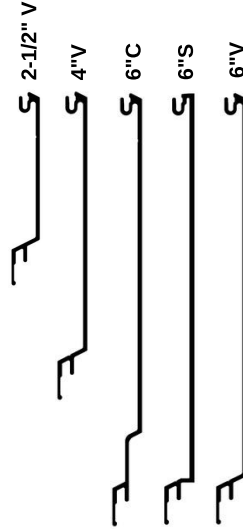


Substrate

#8 Fastener

Quick Screen Clip

T&G Plank



FINISHES

Woodgrains, solid color, naturally aged metal, 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 not included.

BIM & CAD

RVT & DWG files available, see website for details

LEAD TIME

3-4 weeks (subject to change)



info@longboardproducts.com

longboardproducts.com

800 604 0343

TECHNICAL SPECIFICATIONS

PHYSICAL DATA

6063-T5 Extruded Aluminum

100% Recyclable

Warranty: Finish: 15 year (standard)/20 year* (Ultra) (*10 week lead time);

Aluminum: 50 year

Weight (lbs/ft): ~1.5

TESTING

- ICC-ES Evaluation Report - Division: 07 00 00 Thermal and Moisture Protection Section: 07 46 00 - Siding
- CAN/ULC S102
- CAN/ULC S114

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



Acoustical Rating with insulation: NRC up to 0.95



Light reflectance (LRV): Up to 73.2% (Ultra White)

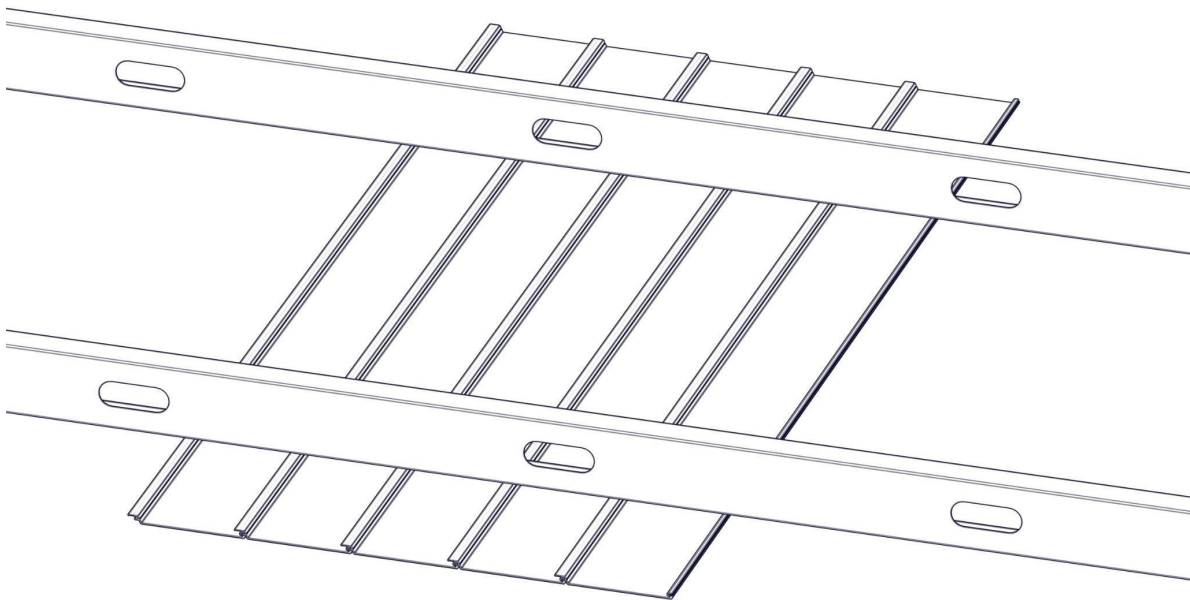


LONGBOARD[®]
ARCHITECTURAL PRODUCTS

Interior

Endura Linear Ceilings

Installation Guidelines



1.0. GENERAL

1.1. Product Description

Longboard® Endura Linear is an extruded aluminum closed joint acoustical ceiling 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. 2-½" (63.5mm) Perforated V-Groove Planks (12' (3.7m) lengths) are used where higher NRC ratings are needed (see 1.6.)

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

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 terminate inside components by 1/4" (6mm), 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.

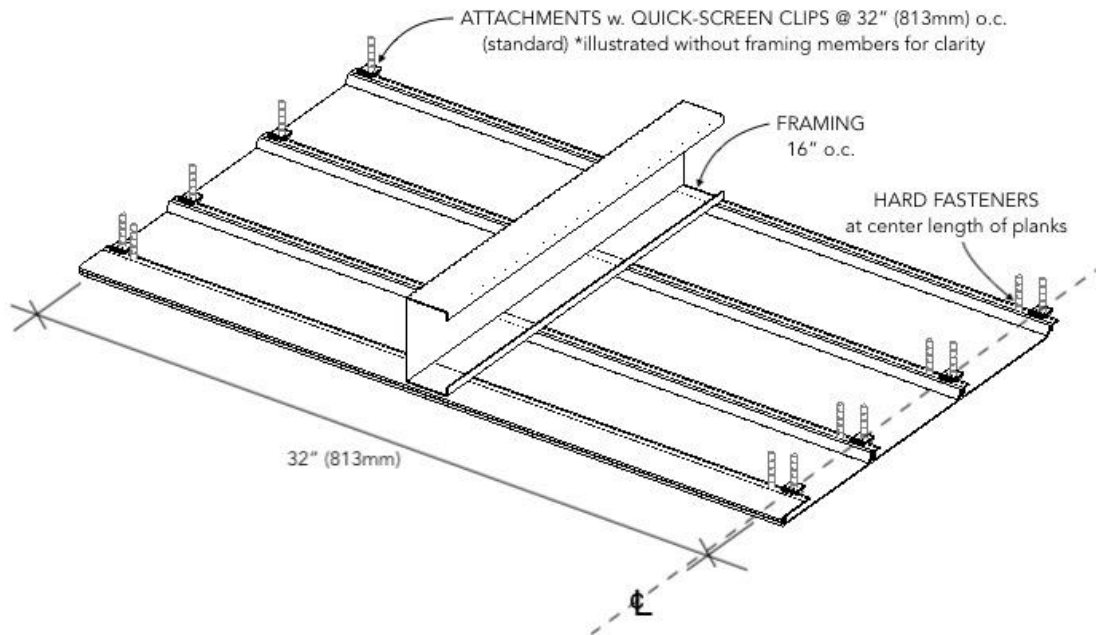
**#8 pan-head self-drilling screws (not included) are recommended*

Planks 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 compatible with the substrate type.

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 coat 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

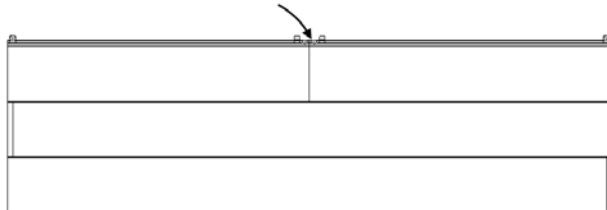
No butt-joints: center of planks

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

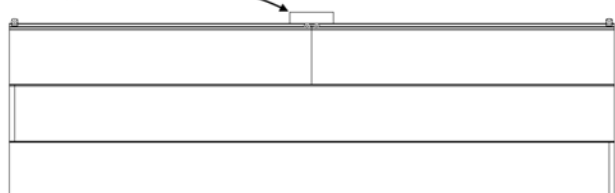
Detail A:

HARD FASTENERS PLACED AT END 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

When installed in applications where temperatures will vary, all planks & components will expand & contract 1/4" (6mm) over 24' (7.3m) in all directions, measured over a 30°C (54°F) temperature range. Expansion components (Flat Cap/Base, U Cap/Base) should be installed every 24' (7.3m) or less or 40'* (12.2m) max. *Where staggered butt-joints are used. 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 Endura Linear 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. NRC Acoustic Performance

Visit longboardproducts.com/testing for full NRC Test Reports.

Table 3

 NRC ACOUSTICAL PERFORMANCE SUMMARY						
PLANK PRODUCT:	SOUND ABSORPTION COEFFICIENT				SOUND ABSORPTION	
	250Hz	500Hz	1000Hz	2000Hz	NRC	SAA
6" V-GROOVE	0.30	0.14	0.06	0.03	0.15	0.12
6" V-GROOVE with insulation	0.25	0.12	0.04	0.02	0.10	0.11
2-1/2" PERFORATED V-GROOVE	0.02	0.02	0.03	0.09	0.05	0.03
2-1/2" PERFORATED V-GROOVE with insulation	0.22	0.73	0.96	0.97	0.70	0.72
6" PERFORATED V-GROOVE	0.02	0.02	0.03	0.09	0.05	0.03
6" PERFORATED V-GROOVE with insulation	0.22	0.73	0.96	0.97	0.70	0.72

- The test reported in this document conformed explicitly with ASTM C423-17: "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method."

- The specimen mounting was performed according to ASTM E795-16: "Standard Practices for Mounting Test Specimens During Sound Absorption Tests."

- Insulation refers to Fiberglass backer @ 2.92 lbs/ft³ (46.7 kg/m³) with a thickness of 1" (25.4 mm)

- The sound absorption average (SAA) is defined in ASTM C423-17 Section 3.1.1 as the arithmetic average of the sound absorption coefficients of a material for the twelve one-third octave bands from 200 Hz through 2500 Hz, inclusive, rounded to the nearest integer multiple of 0.01.

- The noise reduction coefficient (NRC) is defined from previous versions of ASTM C423 as the arithmetic average of the sound absorption coefficients at 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz, rounded to the nearest integer multiple of 0.05.

1.7. 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 3-4 weeks* (**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.

1.8. 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.

2.0. FRAMING REQUIREMENTS

2.1. General

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

2.2. Load Capacity

The Longboard Endura Linear system weighs approx. 1.5lbs/sq.ft. **see section drawings for individual item weights.*

2.3.1. Wood-Framing

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

**typically required for perpendicular ceiling applications*

2.3.2. Metal Framing

18ga. (minimum) 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

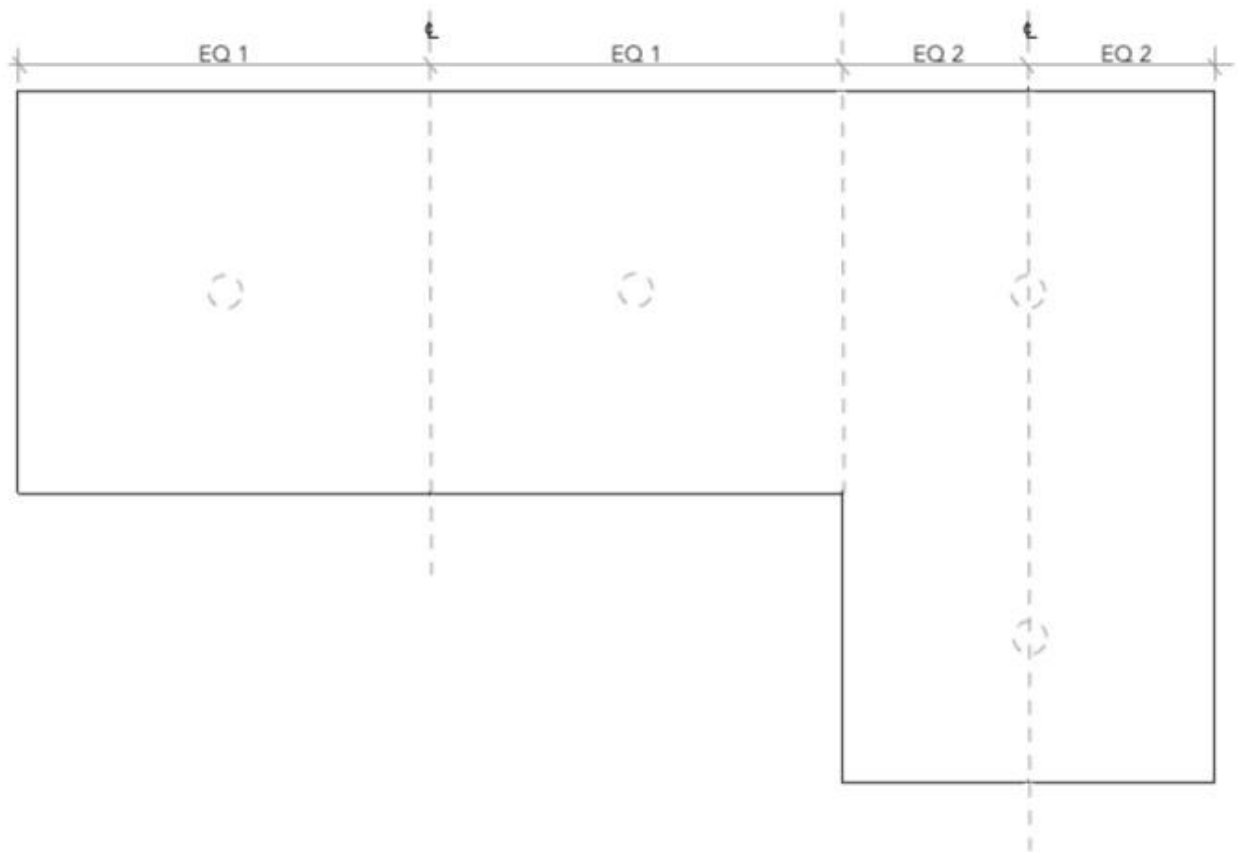
Provide solid secure framing and/or blocking at 16" O.C. (406mm) for material support and attachment at 32" (813mm) O.C. (standard requirements). Where expansion trims are used; ensure all components land on a stud, blocking or 5/8" (16mm) wood sheathing is used.

3.0. SYSTEM INSTALLATION

3.1. Layout

Measure and layout your ceiling area to consider plank & component alignment with lighting fixtures, penetrations and adjacent walls, for the desired appearance.

(drawings shown as reflected ceiling plan)



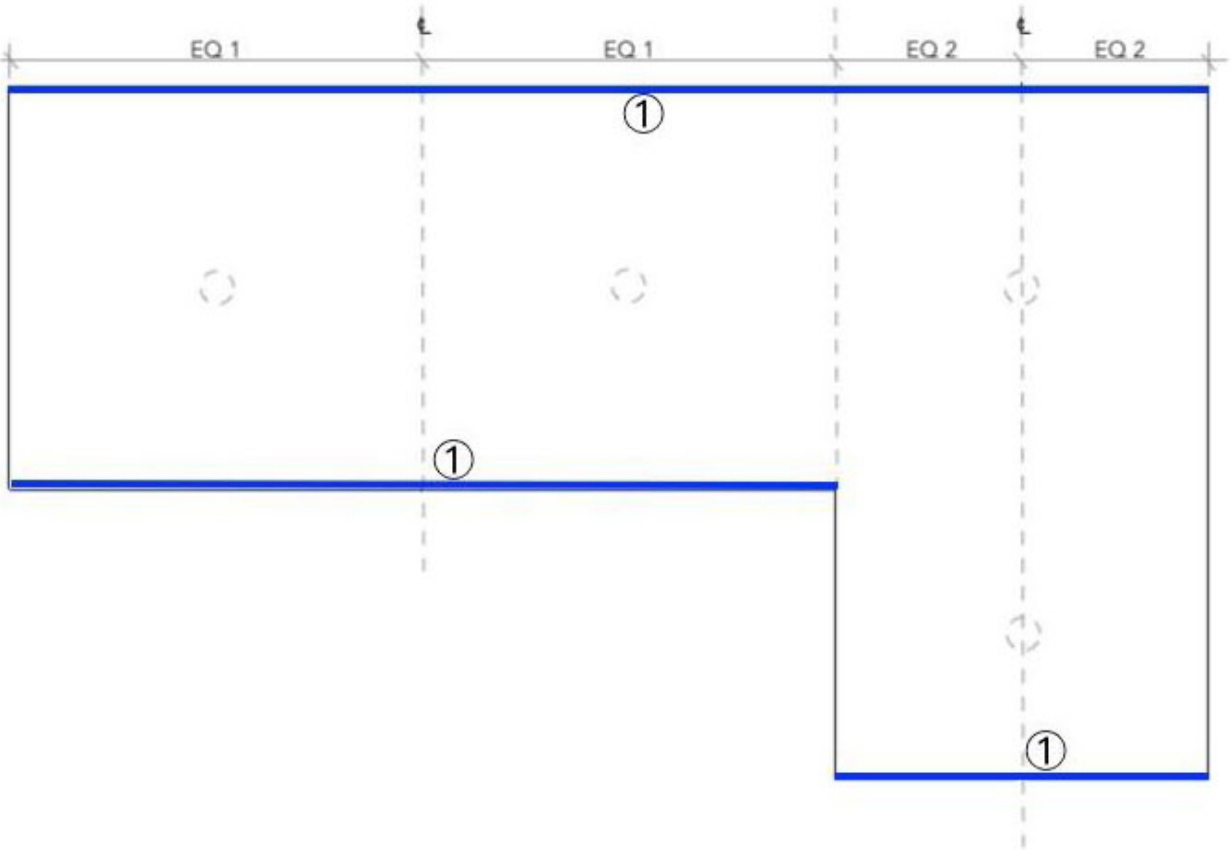
3.2. Component Installation

If the area to be installed will experience temperature change, 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 joint method 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.*

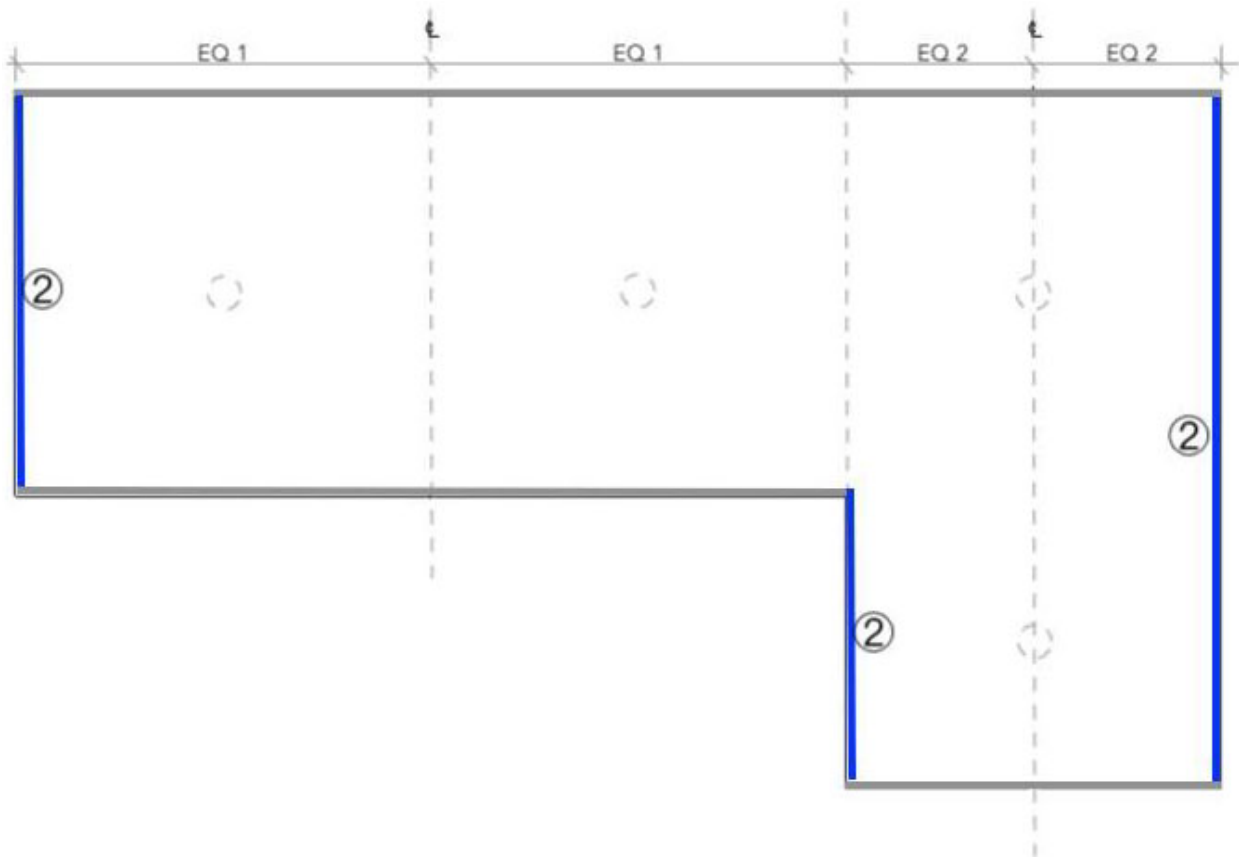
3.2.①. - J-Track *option to use Finish Base (Finish Cap installed at step ⑥)

Install J-Track along the perimeter edges, where perpendicular to the plank orientation.



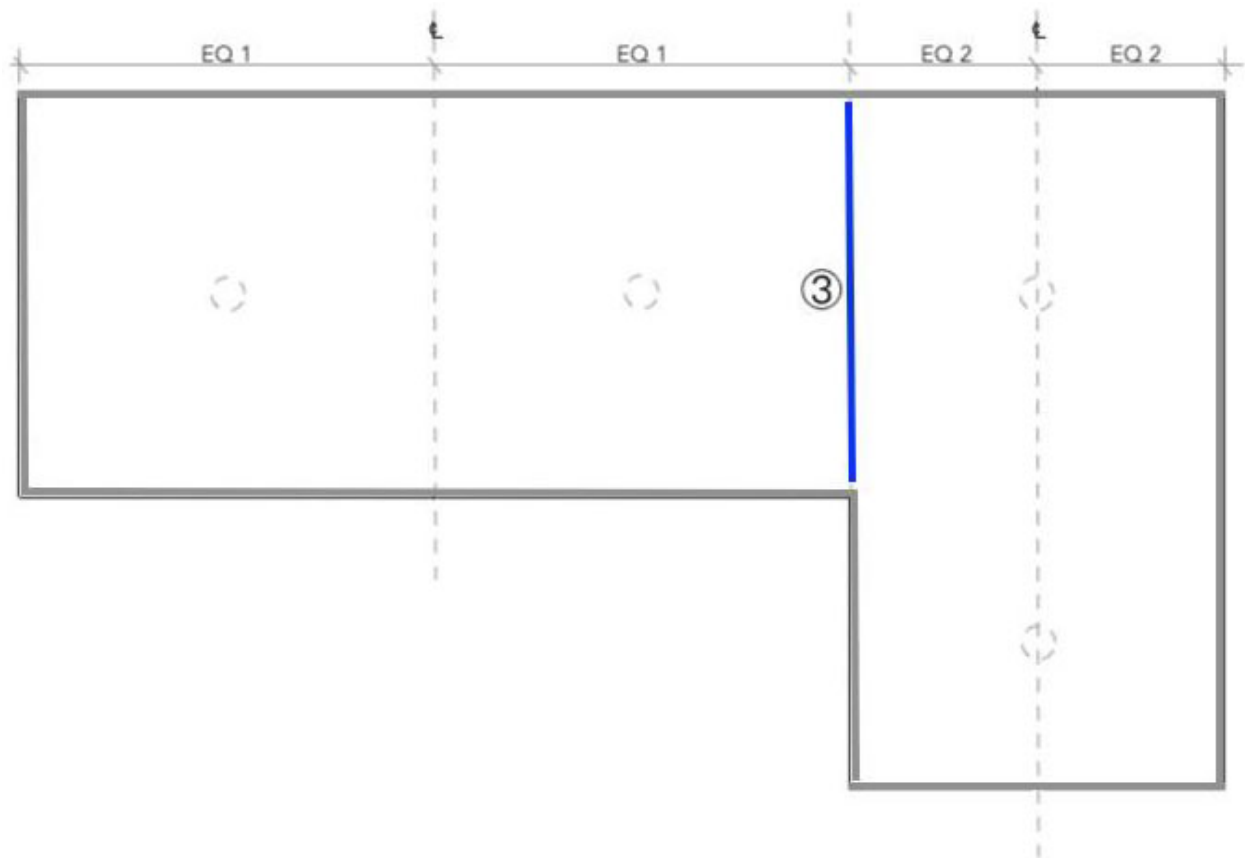
3.2.②. - End Trim Snap-Cap (Base)

Install the 2pc End Trim Snap-Cap (base only) along the end terminations where parallel to the planks.



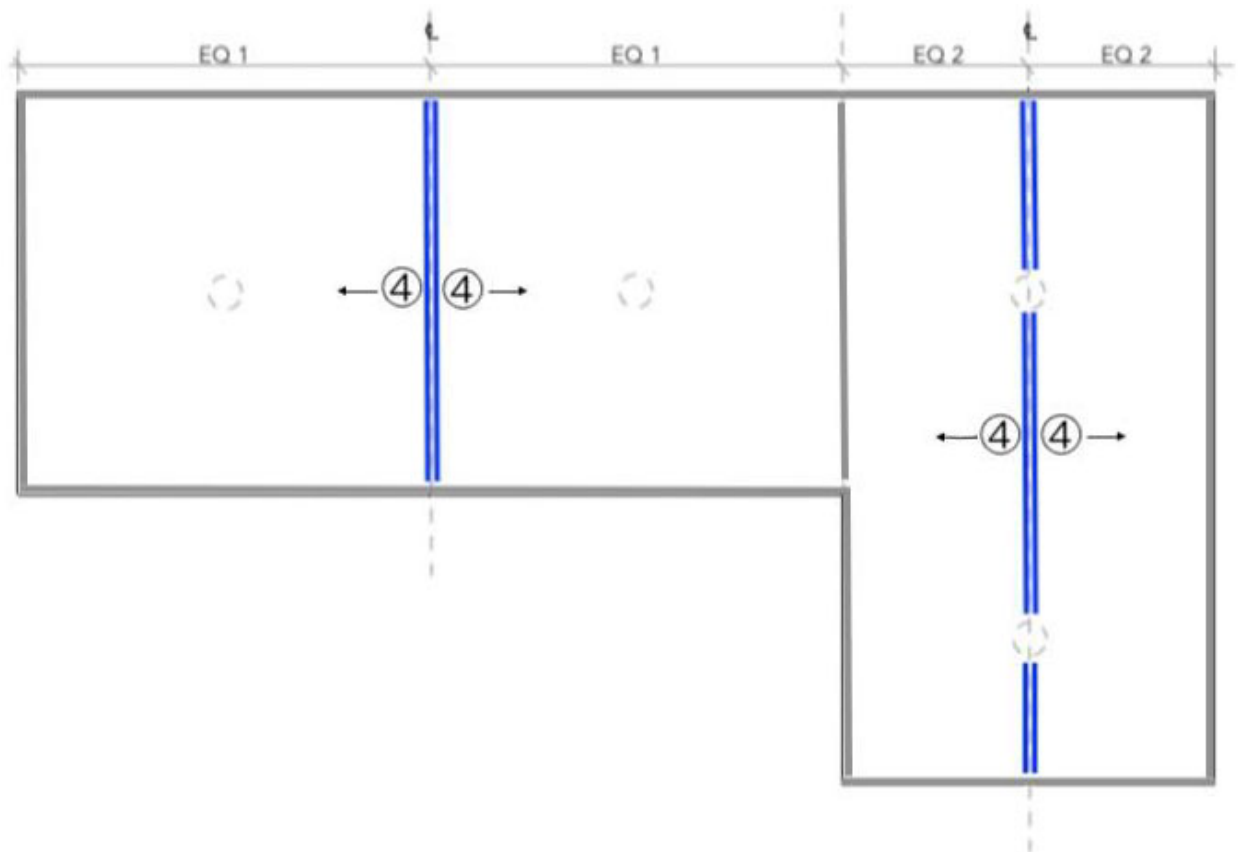
3.2.③ - Expansion Base

Where temperature range is a factor, this step is required and good practice even if no temperature range exists. Install Base for U-Cap or Flat Cap for ceiling areas greater than 24' (7.3m) wide and 24' (7.3m) long (no butt-joints) or 40' (12m) long (with staggered butt-joints) and where the ceiling area changes direction.



3.2.④. - Starter

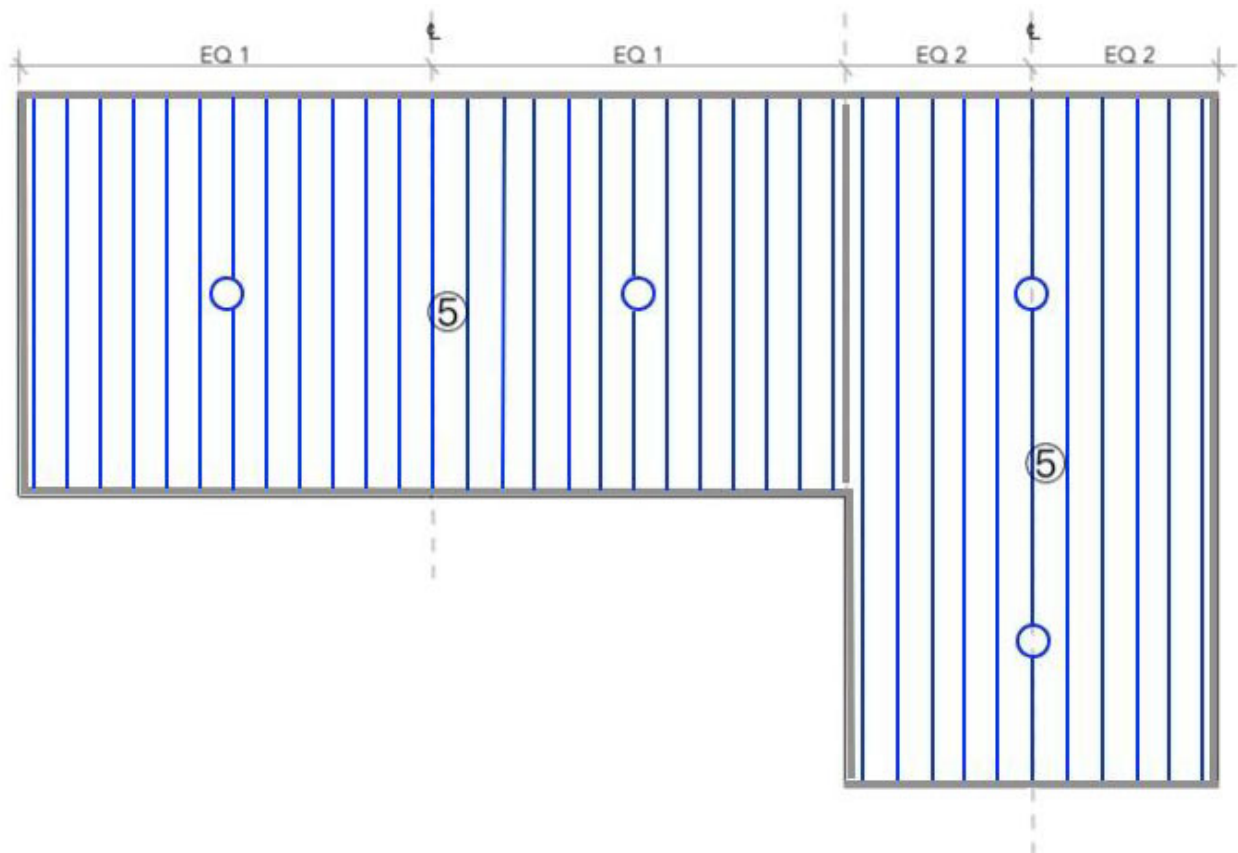
Install two (2) Starters back-to-back along the center lines of each ceiling area or offset from center by half a plank width, to finish with equal width planks at each side of the area(s). If equal width planks are not preferred or using Channel plank profile, install a single (1) Starter at one side of each area.



3.2.⑤ - 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. Layout and cut planks around lighting fixtures and other penetrations.

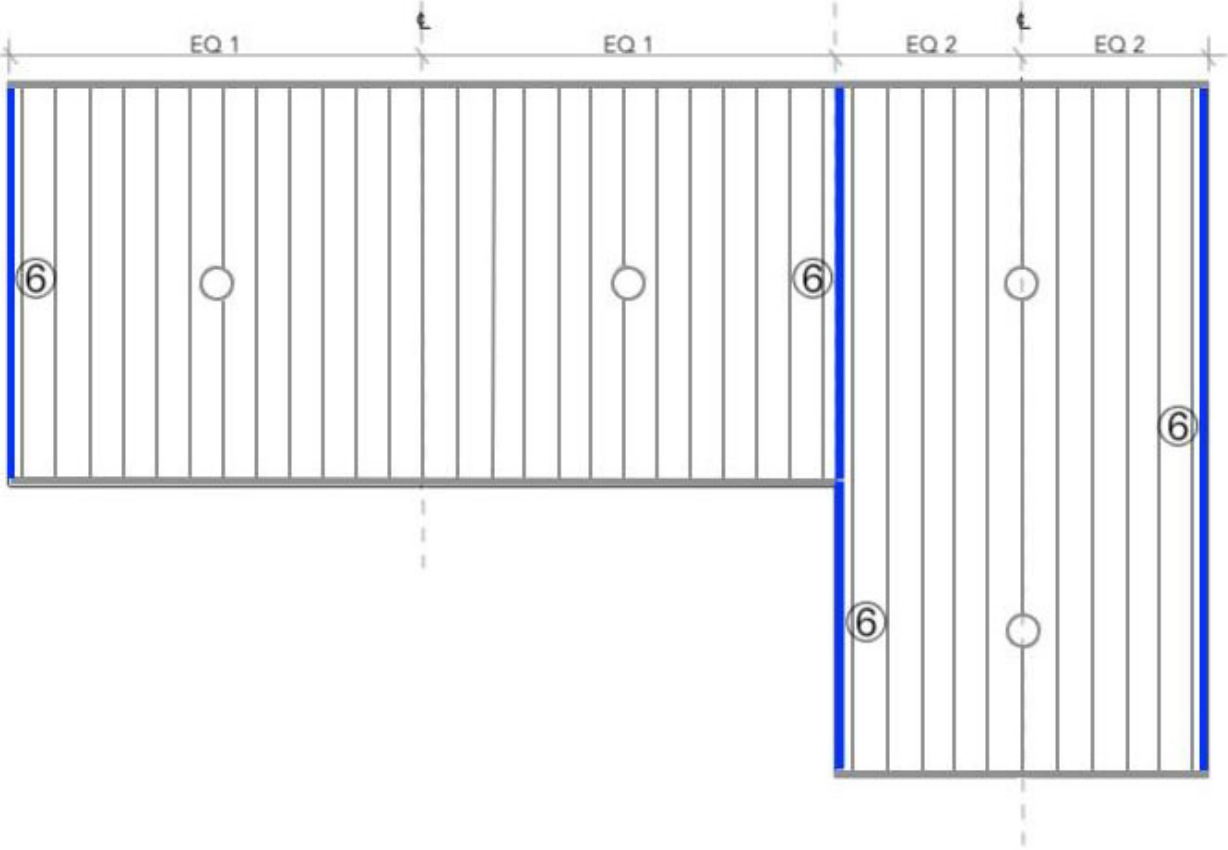
TIP! It is good practice to check your installation every 2-3 rows for alignment/flat/straight, for best results.



3.2.⑥. - Component Caps

Install all caps: Flat Cap, U Cap, End Trim Snap-Cap, Finish Cap.

Use a rubber mallet, hammer and block etc. to protect the finish during this process.



4.0. 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.







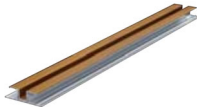





5.0. WARRANTY













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	SECTION DETAIL (scan or click)
①		J-TRACK, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PERPENDICULAR TO PLANKS AROUND PENETRATIONS & END CONDITIONS	
① ⑥		FINISH CAP/FINISH BASE, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PERPENDICULAR TO PLANKS, USED AS A 2PC J-TRACK OPTION	
② ⑥		END TRIM SNAP-CAP, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PARALLEL TO PLANKS, USED AS A TERMINATION COMPONENT	
③ ⑥		1-1/2" U-CAP & BASE, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	EXPANSION COMPONENT IN THE FIELD OF THE CEILING AREA & CORNERS WHERE CEILING PLANKS CHANGE DIRECTION	
③ ⑥		FLAT CAP & BASE, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	EXPANSION COMPONENT IN THE FIELD OF THE CEILING AREA & CORNERS WHERE CEILING PLANKS CHANGE DIRECTION	
④		STARTER, 12' (3.7m) LENGTHS, MILL FINISH (RAW ALUMINUM), WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PARALLEL TO THE STARTING PLANK	

INSTRUCTION STEP #	IMAGE	DESCRIPTION	TYPICAL USE	SECTION DETAIL (scan or click)
④ ⑤		QUICK-SCREEN CLIP, 316 STAINLESS STEEL	PLANK & STARTER ATTACHMENT CLIP (USE #8 SCREW, SUPPLIED BY OTHERS)	
⑤		2-½" V-GROOVE CEILING PLANK, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	CEILING PLANK	
⑤		2-½" V-GROOVE PERFORATED CEILING PLANK, 12' (3.7m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	PERFORATED CEILING PLANK	
⑤		4" V-GROOVE CEILING PLANK, 24' (7.3m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	CEILING PLANK	
⑤		6" V-GROOVE CEILING PLANK, 24' (7.3m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	CEILING PLANK	
⑤		6" CHANNEL CEILING PLANK, 24' (7.3m) LENGTHS, WOODGRAIN, SOLID, SPECIALTY, CUSTOM SOLID	CEILING PLANK	

Endura Tongue & Groove Planks

V-Groove Planks

Size	12' *	24' †	12' Perf *	24' Perf †
2½"	3V.145	3V.289	3VP.145	3VP.289
4"	4V.145	4V.289	-	-
6"	6V.145	6V.289	6VP.145	6VP.289

Smooth Planks

Size	12' *	24' †	12' Perf *	24' Perf †
6"	6PSP.145	6PSP.289	6PSPP.145	6PSPP.289

Channel Planks

Size	12' *	24' †
6"	6CH.145	6CH.289

Accessories

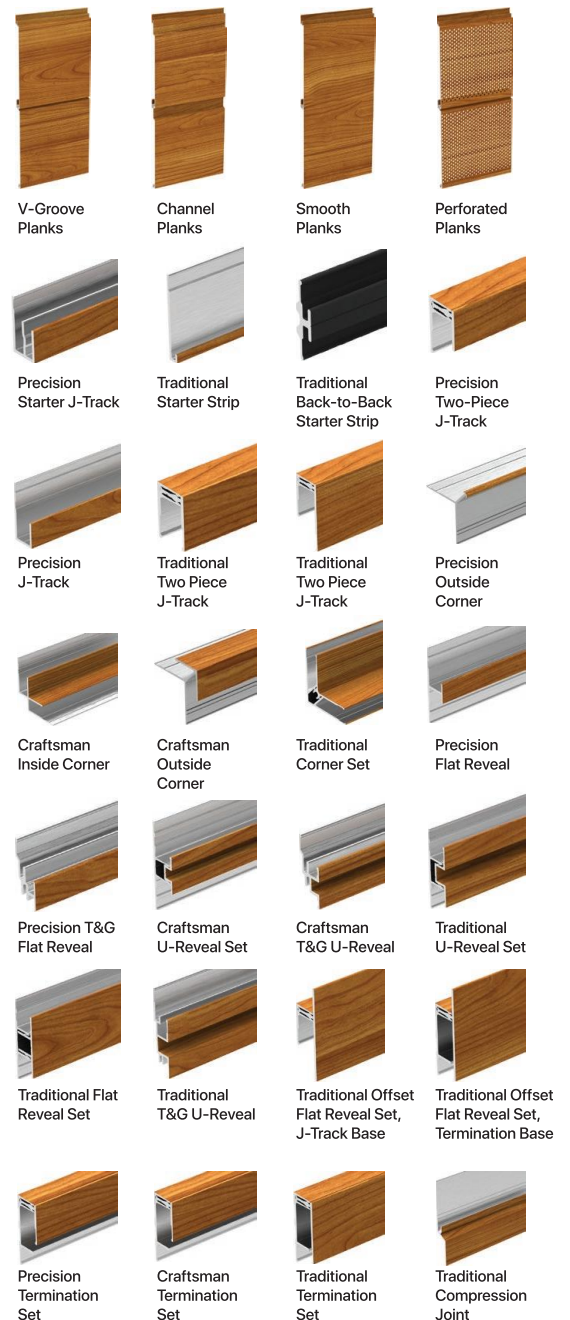
Product	Qty	SKU
Quick Screen Clips	1750, box	CLIP.N1750
Quick Screen Clips	100, bag	CLIP.N100
Touch Up Pens <i>Reach out to confirm color with account manager</i>	N/A	TUP

Acoustical Soundtex® Scrim

Size	12' *	24' †
6" V-Groove Plank	6PSP.145	6PSP.289
6" Smooth Plank	6SPPA.145	6SPPA.289

Component Trims

Type	Style	Product	Dimensions	SKU
Starter	Precision	Starter J-Track	(5/8") - 12'	1SJT.145
Starter	Traditional	Starter Strip	(1-7/8") - 12'	2SS.145
Starter	Traditional	Back-to-Back Starter Strip	(1-1/4") - 12'	2BTBSS.145
J-Track	Precision	Two Piece J-Track	(5/8") - 12'	1X1JT.145
J-Track	Precision	J-Track	(5/8") - 12'	1JT.145
J-Track	Craftsman	Two Piece J-Track	(7/8") - 12'	JT23S.145
J-Track	Traditional	Two Piece J-Track	(1-3/8") - 12'	1X2JT.145
Corner	Precision	Outside Corner	(3/16") - 12'	05OC.145
Corner	Craftsman	Inside Corner	(3/4") - 12'	1IC.145
Corner	Craftsman	Outside Corner	(1") - 12'	1OC.145
Corner	Traditional	Corner Set	(2") - 12'	2CORS.145
Reveal	Precision	Flat Reveal	(1/2") - 12'	1FR.145
Reveal	Precision	T&G Flat Reveal	(1/2") - 12'	1TGFR.145
Reveal	Craftsman	U-Reveal Set	(3/4") - 12'	1URS.145
Reveal	Craftsman	T&G U-Reveal	(3/4) - 12'	1TGURK.145
Reveal	Traditional	U-Reveal Set	(1-1/2") - 12'	2URS.145
Reveal	Traditional	Flat Reveal Set	(1-1/2") - 12'	2FRS.145
Reveal	Traditional	T&G U-Reveal	(1 1/2") - 12'	2TGURK.145
Reveal	Traditional	Offset Flat Reveal Set, J-Track Base	(2") - 12'	2OFFJ.145
Reveal	Traditional	Offset Flat Reveal Set, Termination Base	(2") - 12'	2OFFT.145
Termination	Precision	Termination Set	(5/8") - 12'	1TS.145
Termination	Craftsman	Termination Set	(7/8") - 12'	TS.145
Termination	Traditional	Termination Set	(1-3/8") - 12'	2TS.145
Compression Joints	Traditional	Compression Joint	(1-3/8") - 12'	2CJ.145



* 48 sq. ft. box quantities † 96 sq. ft. box quantities

Intrepid Link & Lock™ Battens

Size	12'	24'	End Caps (20/box)	End Mounts (20/box)	Mounting Accessories	Qty	SKU
2"	2X2LL.145	2X2LL.289	2LLEC.2	2LLEM.2	Link & Lock Mounting Clip	48, bag	LLMC.N48
4"	2X4LL.145	2X4LL.289	2LLEC.4	2LLEM.4	Dewalt® 1/2" Pilot Point Drill Bit	1	DRILLBT.05
6"	2X6LL.145	2X6LL.289	2LLEC.6	2LLEM.6	24" Link & Lock Internal Stiffener	1	LLSTIFF.289
8"	2X8LL.145	2X8LL.289	2LLEC.8	2LLEM.8	3M® Double Sided Adhesive Tape - 108'	1, roll	LLTAPE.1296



Link & Lock™ Batten

Privacy Screen System

Size	Product	24'	End Caps (20/box)	Mounting Accessories	Qty	SKU
1x3"	Privacy Beam	1X3B.289	1BEC.3	1x3" & 1x5" Spacer Block	100, box	2X2SB.N100
1x5"	Privacy Beam	1X5B.289	1BEC.5	1x3" & 1x5" Spacer Bar	1	1X2FB.145
2x2"	Privacy Post	2X2SP.289	2X2PC.2	1x3" Spacer Bar	100, box	1X2FB.1
1x3"	Privacy Post	2X3DP.289	2X3PC.3	1x5" Spacer Bar	100, box	1X2FB.3
				3" Mounting Bracket	100, box	3PSMB.1
				#10 Black Screws	100, box	PECS.N100



Privacy Beam

Dauntless System

Dimensions	Product	24'	End Caps (20/box)
1-5/8" x 4"	Beam	2X4CB.289	2BEC.4
1-5/8" x 6"	Beam	2X6CB.289	2BEC.6

Hanger Bracket Mounting System

Product	Kind	Qty	SKU
Side Rail	24' Carrier Rail	1	2CBSR.289
Beam Spine Connection Top	Accessory	1	BSCT.6
2" Hanger Bracket	Bracket	1	CBHB.2
4" Hanger Bracket	Bracket	1	CBHB.4
6" Hanger Bracket	Bracket	1	CBHB.6
8" Hanger Bracket	Bracket	1	CBHB.8
10" Hanger Bracket	Bracket	1	CBHB.10
12" Hanger Bracket	Bracket	1	CBHB.12

Clip Mounting System

Product	Kind	Qty	SKU
Single Rail ^A	24' Carrier Rail	1	CBR.289
Double Rail ^A	24' Carrier Rail	1	CBDR.289
1-1/2" Single Hanger Clip	Clip	20, box	HCS.2
3" Hanger Clip	Clip	20, box	HC.3
Eye Bolt with T-Nuts	Attachment	20, box	CBEB.N20

^AIncludes 7 Eye-Bolts with T-Nuts



Clip Assembly



Hanger Bracket Assembly

Finishes

Woodgrain	15 Year Warranty	Woodgrain	15 Year Warranty	Solid Color	15 Year Warranty	Specialty	15 Year Warranty
Birchwood	15BWD	Light Bamboo	15LBB	Black	15BLA	Anodic Ice	15AIC
Beechwood	15BEE	Light Cherry	15LCY	Bone White	15BWH	Biscotti	15BIS
Blonde Oak	15BOK	Light Fir	15LFR	Brick Red	15BRD	Burnt Sienna	15BSN
Dark Acacia	15DAC	Light National Walnut	15LNW	Charcoal	15CHA	Canyon Vista	15CVI
Dark Antique Oak	15DOA	Light Oak	15LOK	Chili Pepper	15CHP	Ceramic Clay	15CCL
Dark Bamboo	15DBB	National Mahogany	15NMH	Classic Bronze	15CBZ	Copper Penny	15CPE
Dark Cherry	15DCY	Sand Drift	15SDR	Dark Brown	15DBR	Moonstone	15MOO
Dark Fir	15DFR	Southern Yellow Pine	15SYP	Graphite	15GRA	Old Navy	15ONA
Dark Knotty Pine	15DKP	Table Walnut	15TWL	Medium Blue	15MBL	Platinum Ice	15PIC
Dark National Walnut	15DNW	Weathered Grey	15WGY	Slate Grey	15SGR	Venus	15VEN
Dark Walnut	15DWL	Western Cedar	15WCD	Ultra White	15UWH		
Italian Rosewood	15IRW	White Oak	15WOK				
Naturally Aged Metals	15 Year Warranty						
Carbon Mist	15CMI						
Molten	15MOL						
Smokey Topaz	15STO						
Toasted Mocha	15TMO						

Example of complete product SKU

6V.289.15DFR
(Product.Length.Finish)

Finish Options

We help you achieve your vision. Whether you're looking to create a space that offers the warmth of natural woodgrain or a modern industrialized aged metal, we have a finish option for you.

Require a custom finish or color? Our experienced color matching team can make it a reality.

Special order finishes may require additional production lead time or pricing.

- Interior Only
- Special Order
- High Gloss Finish
- Shimmer Finish
- Low Gloss Finish
- Terracota Finish

Woodgrains



Dark Cherry



Light Cherry



Dark Fir



Light Fir



Dark National Walnut



Light National Walnut



Dark Walnut



Table Walnut



Western Cedar



Italian Rosewood



Birchwood



Dark Acacia



Dark Antique Oak



Dark Bamboo



Light Bamboo



Dark Knotty Pine



Light Oak



National Mahogany



White Oak



Sand Drift



Weathered Gray



Blonde Oak



Southern Yellow Pine



Beechwood

Solid Colors



Black



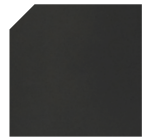
Bone White



Brick Red



Graphite



Charcoal



Classic Bronze



Medium Blue



Slate Gray



Chili Pepper



Ultra White



Dark Brown



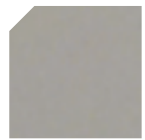
Ceramic Clay



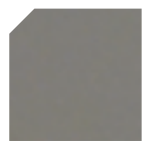
Moonstone



Platinum Ice



Anodic Ice



Venus



Old Navy

Naturally Aged Metals



Carbon Mist



Molten



Smokey Topaz



Toasted Mocha

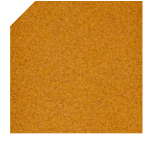
Others



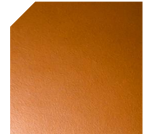
Biscotti



Canyon Vista



Burnt Sienna



Copper Penny

Warranty granted to (company name):

Longboard Architectural Products Inc. ("Longboard," "The Company") products as identified by the Product Codes listed 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: Product description:

Finish:	

Contractor/owner	
Project name	
Project address	
Address 2	Date of completion
Product on jobsite	

Clause 1

Extruded Aluminum Profile(s)

Longboard 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 Longboard 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, Longboard 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, Longboard will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.6 After the 15th year, this Limited Warranty on the powder coated finish will expire and shall no longer be applicable.
- 1.7 After the 50th year, this Limited Warranty on the aluminum extruded profile(s) will expire and shall no longer be applicable.
- 1.8 Longboard 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. The Company will not refund or pay any costs in connection with labor or accessory materials.

Clause 2

- 2.1 During the first fifteen (15) years of this warranty:
- 2.2 Checking/Cracking: No visible checking or cracking of the product finish on the building.
- 2.3 Chalking Resistance: No chalking of the product 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 product 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 product 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

- 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 product finish is not meant for marine use on boats, ships or offshore platforms.

Clause 4

- 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.
- 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 The Company's control.
- 4.6 Customer shall make available to The Company 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 Longboard 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 Longboard at the Product Performance Department. After receiving such notice, The Company

must be given a reasonable opportunity to inspect and verify the claim.

- 4.8 Longboard exclusive liability under this warranty, or otherwise, will be limited to refinishing and/or repairing, at The Company'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 Longboard. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.
- 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 Longboard with respect to the products covered by them. The Company shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of Longboard except as expressly set forth above, and any such statement shall not be binding on The Company. Except as expressly set forth above, Longboard 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 Longboard 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, grime 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.

I have read and agree to the terms of the 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.

Name of owner or contractor:

Date:

Signature:



Duly authorized on behalf of Longboard:

Name and designation:

Date:

Signature:

Warranty granted to (company name):

Longboard Architectural Products Inc. ("Longboard," "The Company") products as identified by the Product Codes listed 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: Product description:

Finish:	

Contractor/owner	
Project name	
Project address	
Address 2	Date of completion
Product on jobsite	

Clause 1

Extruded Aluminum Profile(s)

Longboard 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 Longboard 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, Longboard 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, Longboard will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.6 After the 20th year, this Limited Warranty on the powder coated finish will expire and shall no longer be applicable.
- 1.7 After the 50th year, this Limited Warranty on the aluminum extruded profile(s) will expire and shall no longer be applicable.
- 1.8 Longboard 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. The Company will not refund or pay any costs in connection with labor or accessory materials.

Clause 2

- 2.1 During the first twenty (20) years of this warranty:
- 2.2 Checking/Cracking: No visible checking or cracking of the product finish on the building.
- 2.3 Chalking Resistance: No chalking of the product 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 product 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 product 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

- 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 twenty (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

- 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.
- 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 The Company's control.
- 4.6 Customer shall make available to The Company 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 Longboard 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 Longboard at the Product Performance Department. After receiving such notice, The Company

must be given a reasonable opportunity to inspect and verify the claim.

- 4.8 Longboard exclusive liability under this warranty, or otherwise, will be limited to refinishing and/or repairing, at The Company'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 Longboard. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.
- 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 Longboard with respect to the products covered by them. The Company shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of Longboard except as expressly set forth above, and any such statement shall not be binding on The Company. Except as expressly set forth above, Longboard 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 Longboard 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, grime 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.

I have read and agree to the terms of the 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.

Name of owner or contractor:

Date:

Signature:



Duly authorized on behalf of Longboard:

Name and designation:

Date:

Signature: