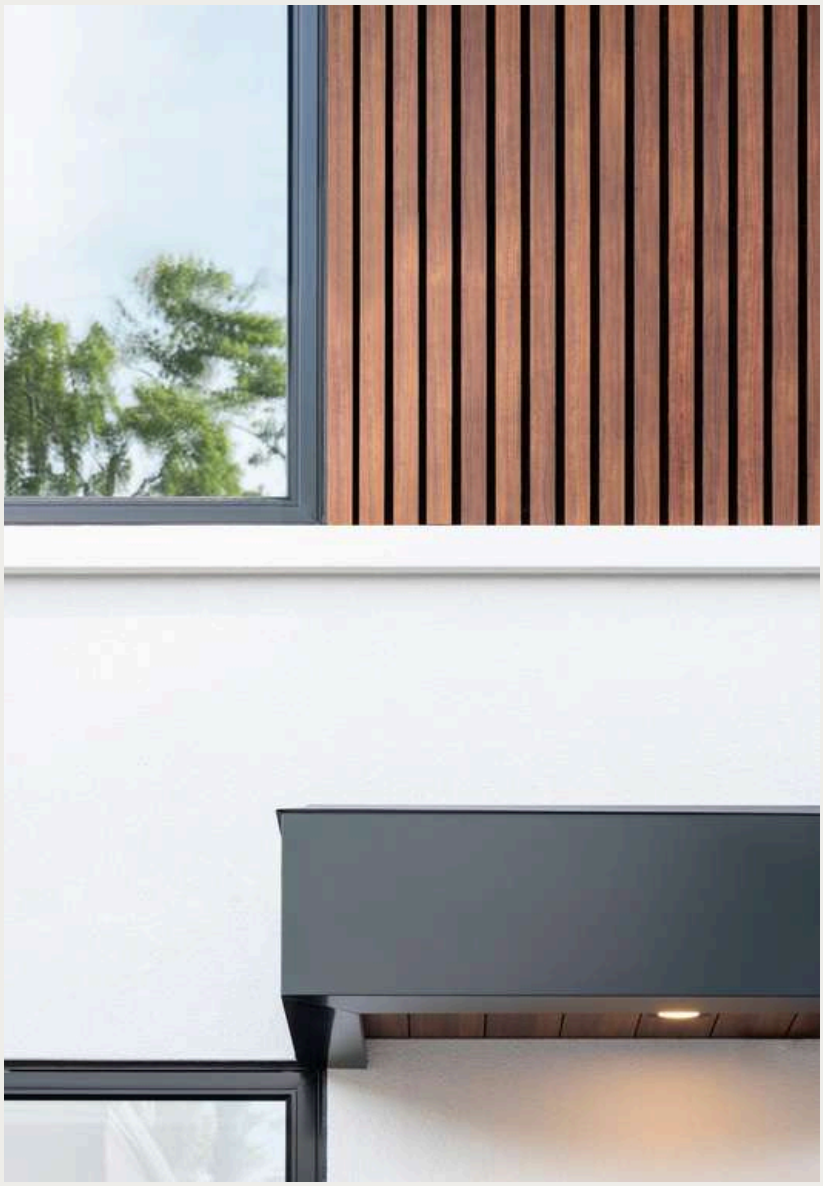
LUXYCLAD® Aluminum Architectural Systems

Fire-Rated Aluminum Batten Siding System Technical Detail & Installation Guide

luxyclad.com





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02

01	Abbott Avenue Residence, Toronto, Ontario
02	Turtle Back Zoo, West Orange, NJ.
03	Roots Retail Store Exterior, Toronto, Ontario
04	Private Residence, Grimsby, Ontario
05	Private Residence, Toronto, Ontario

The purpose of this aluminum batten package is to provide all necessary information to successfully integrate LUXYCLAD® materials into the built environment.

Please contact us directly or visit our website if you have any questions or require further information or physical samples.

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Photography: Ryan Fung



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03



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Clean and contemporary wood-look aluminum battens with Class-A Fire rating

LUXYCLAD®'s Snap-In Battens are light-weight, easy-to-install and manufactured from extruded aluminum, offering a dimensionally stable, long-lasting, non-combustible and low maintenance alternative to timber. Snap-In Battens are coated using an eco-friendly and hyper durable powder-coated finish, providing superior durability with a photo-realistic finish. Snap-In Battens allow for design flexibility and are suitable for a wide range of applications.

Luxyclads Aluminum Products Offer:

A high quality solution to the natural elements, LUXYCLAD® Snap-In Battens are non-combustible, UV resistant, LEED compliant, durable, rigid and low-maintance.

- **NON-COMBUSTIBLE COMPLIANT** (Class-A Rating)
- **UV RESISTANT**
- **MORE THAN 30 STOCK WOOD-GRAINS & UNLIMITED CUSTOM SOLID COLOUR OPTIONS**
- **QUICK & EASY INSTALLATION**
- **24' LENGTHS FOR SEAMLESS WALL COVERAGE**
- **DURABLE, RIGID, LOW-MAINTENANCE**
- **100% RECYCLABLE AND LEED COMPLIANT**
- **COMPLETE SYSTEM FOR FACADES, INTERIORS, CEILINGS AND DETAILS.**
- **VOC FREE**

Technical Details

APPLICATION
Snap-In Battens are suitable for use on external walls as an open joint rainscreen siding system and are designed to be installed vertically, horizontally or on external or internal walls and ceiling as decorative cladding for residential and commercial buildings.

MATERIAL
Extruded 6063-T5, lightweight aluminum with an eco-friendly, hyper-durable and photo-realistic powder-coat finish.

LENGTHS
Battens are stocked in 7315mm (24') lengths and can be cut to size or fully customized to project requirements.

MECHANICAL FIXING
Snap-In Battens are comprised of 2 piece snap fit extrusions with matching end-caps, utilizing hidden #12 fasteners to mechanically fasten one piece to the substrate with the second, matching piece snapping in to complete the pair.

PERFORMANCE
Luxyclad is committed to offering compliant building products that are designed to meet or exceed the national building codes stringent building standards. LUXYCLAD® products have undergone and passed the following standards. Please contact us for a copy of these certifications.

LUXYCLAD® – TEST PERFORMANCE DATA

Description	Standard
Resistance to humidity, color change, chalk, gloss loss and chemicals.	AAMA 2604/05
Surface burning characteristics of coated aluminum cladding.	ASTM E-84
Determination of non-combustibility.	CAN/ULC-S114
Heat combustion (caloric content).	ASTM E-1354

Aluminum Profiles

LUXYCLAD® offers a range of standard Snap-In Batten sizes.
Battens are available in 7315mm (24') lengths.
Shapes and sizes can be fully customized to project requirements.
Contact our technical team if you require any profile shape or size not listed.

2" X 2" BATTEN
24' LENGTHS



2" X 4" BATTEN
24' LENGTHS



2" X 6" BATTEN
24' LENGTHS



Aluminum Profiles

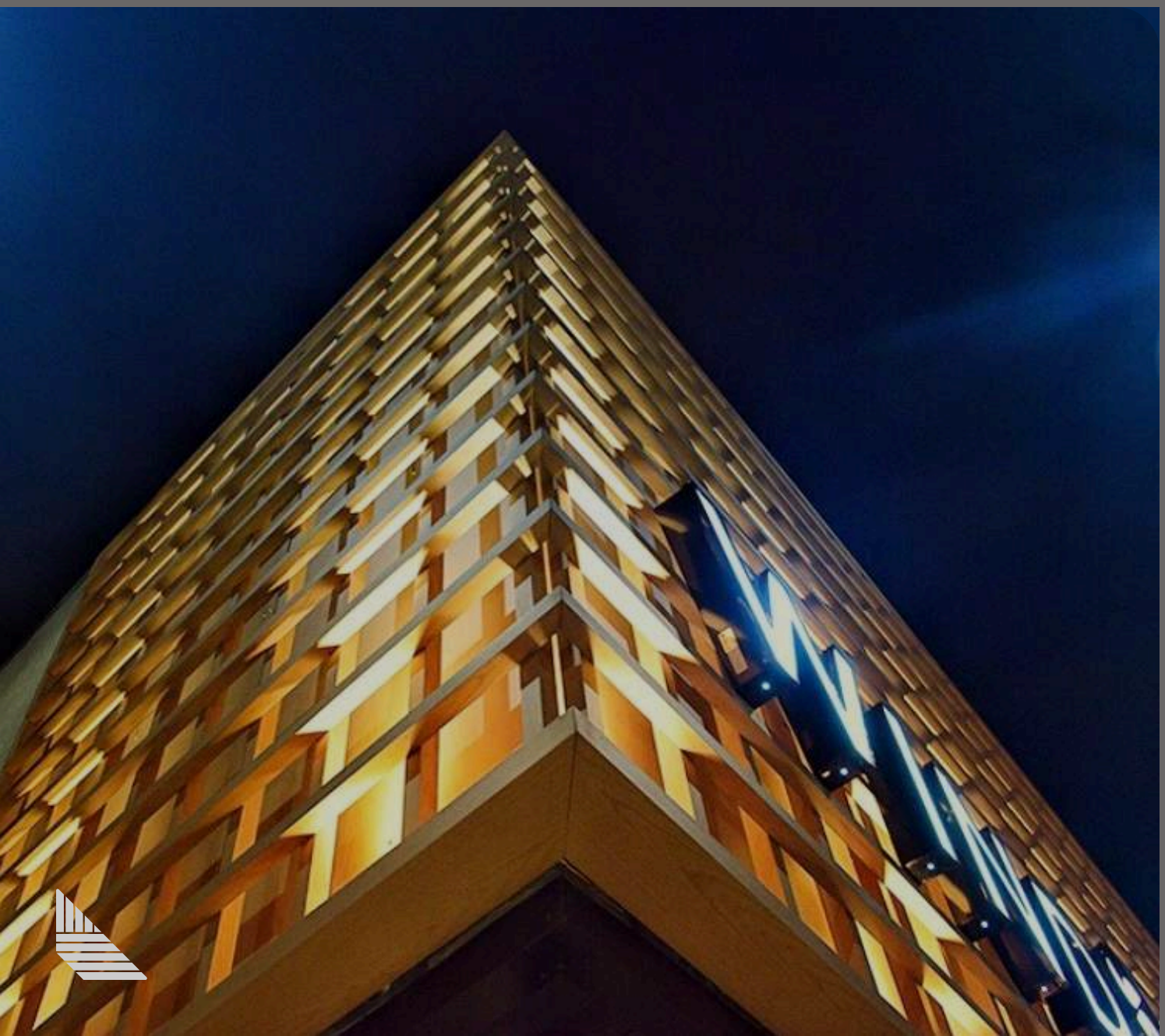
2” X 8” BATTEN
24’ LENGTHS



2” X 10” BATTEN
24’ LENGTHS



Finishes



Finishes

Luxyclad textured finishes are designed to replicate the look and feel of real timber. With more that 30 stock wood-grain finishes and an unlimited amount of custom solid-colour options (colour matching available) all battens come with colour matched end caps to ensureaseamless finish.

Categories of Finishes

Finish Type:	Application:
→ stock wood grains	→ exterior / interior use
→ special order	→ exterior / interior use
→ solid colours	→ exterior / interior use
→ interior solid colours	→ interior use

Colours displayed should be used as a guide only. For a more accurate representation please contact us for a physical sample.

www.luxyclad.com

STOCK WOOD GRAINS (EXTERIOR / INTERIOR)





STOCK WOOD GRAINS (EXTERIOR / INTERIOR)

















STOCK WOOD GRAINS (EXTERIOR / INTERIOR)

















STOCK WOOD GRAINS (EXTERIOR / INTERIOR)















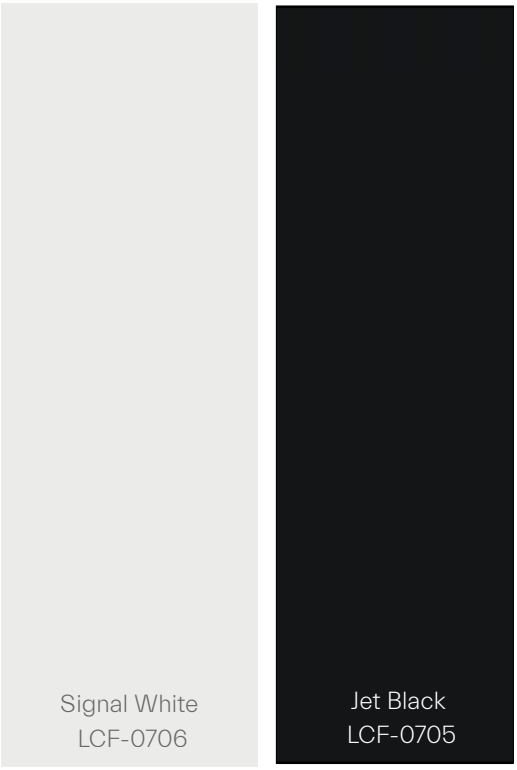
STOCK WOOD GRAINS (EXTERIOR / INTERIOR)



SOLID COLOURS (EXTERIOR / INTERIOR)



SOLID COLOURS (EXTERIOR / INTERIOR)



MAINTENANCE & CLEANING

Luxyclad products require no maintenance, staining or painting.

- Prior to installation, construction soils should be removed as soon as possible.
- Try to restrict cleaning to mild weather. (ie. On a cloudy day)
- Rinse with moderate pressure Any remaining soil should be cleaned using a
- soft sponge or brush with a mild detergent. (do not use aggressive acid of alkaline based cleaners)
- Always be sure to rinse off any detergent thoroughly using low to moderate pressure.

WARRANTY

15 - 20 year warranty against splitting, cracking, warping, chalking and fading in accordance with the AAMA 2604 standard. Luxyclad products are Suitable for high UV, high humidity environments. The warranty is subject to provisions, including maintenance and cleaning as set out in section 3.8 and is available for review here:

luxyclad.com/downloads

Luxyclad products are not designed for direct contact with salt water or marine applications.

Warranty must be registered to be in effect.

Batten Installation



Batten Installation

Preparation

Interior Installation Snap-in Battens can be installed directly to most internal wall assemblies or directly fixed to the ceiling grid.

Exterior Installation

When installing LUXYCLAD® Snap-In Battens care should be taken to ensure the installation surface has been prepared adequately. Snap-In Battens are not designed to provide weatherproofing of the building; therefore for exterior applications the battens need to be installed over a weatherproof barrier, including all flashings following local building code requirements.

Before installing LUXYCLAD® products the supporting structure should be assessed to ensure that it is structurally sound and able to support live and dead loads of the Snap-In Batten products. LUXYCLAD® recommends that users contact a certified Engineer to assess the supporting structure and fixing required when installing Snap-In-Battens especially in high-wind areas.

Load Capacity

Snap-In Battens weight approximately 1.05 – 2lbs per linear foot. Refer to profile drawings for actual product weights.

Batten Installation

Framing

Always refer to local building authority and follow local code requirements.

Wood/Metal Framing

Each batten should be supported by a joist no more than 16” from center to center, exterior wall sheathing, weather resistant barrier and wall cladding or UV barrier. When furring strips are used, it is recommended installing them 16” from center to center and fastening Snap-In Battens no more than 6’ on center (with a #12 (recommended or #10 minimum non corrosive screw).

Posts

Metal or wood posts designed to support loading spaced no more than 6’ on center.

Cutting

If it is required to cut the profile, it is recommended to:

- Always use appropriate PPE: eye, hand and hearing protection
- Use a standard Miter Saw with a carbide fine tooth blade designed for non-ferrous metals (60-80 tooth)

Fastening

Fasten battens no more than 6’ on center into a solid/secure substructure designed to support loading using a #12 recommended or #10 minimum non corrosive screws suitable for the installation environment.

Butt-joints and Expansion/Contraction

Butt-joints should be staggered and there should be a minimum of 6mm between the ends of each 24’ profile. Alternatively, allow 1mm for every 4 linear feet of material.

Batten Installation Guide

Preparation

Extruded Aluminum End Caps

Matching extruded aluminum end caps are available for each Snap-In Batten profile and size. End caps are designed for friction fitting but structural adhesive may be used for high wind areas where required.

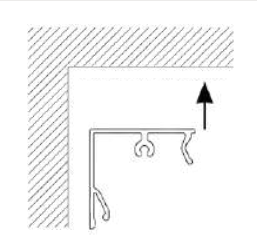
Note

Tapping in end caps may require a rubber mallet or wood-block. When required, ensure to use a blunt object that will not damage the coating.



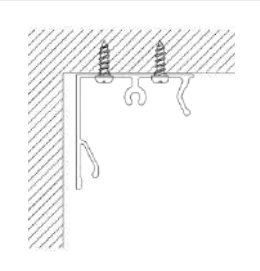
Batten Installation Guide

Two-Piece Battens



STEP 1

Apply the 2 piece batten base to the supporting structure. To ensure a straight, consistent and parallel installation, it is strongly recommended that a level be used when fastening each base piece.

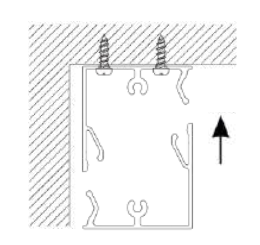


STEP 2

Once positioned, mechanically fasten the back “L” piece to the substrate using #12 (recommended) or #10 (minimum) non-corrosive fasteners every 6’ on center.

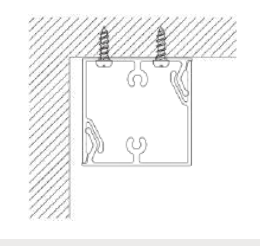
Note

Ensure the fasteners being used are suitable for the substrate and environment.



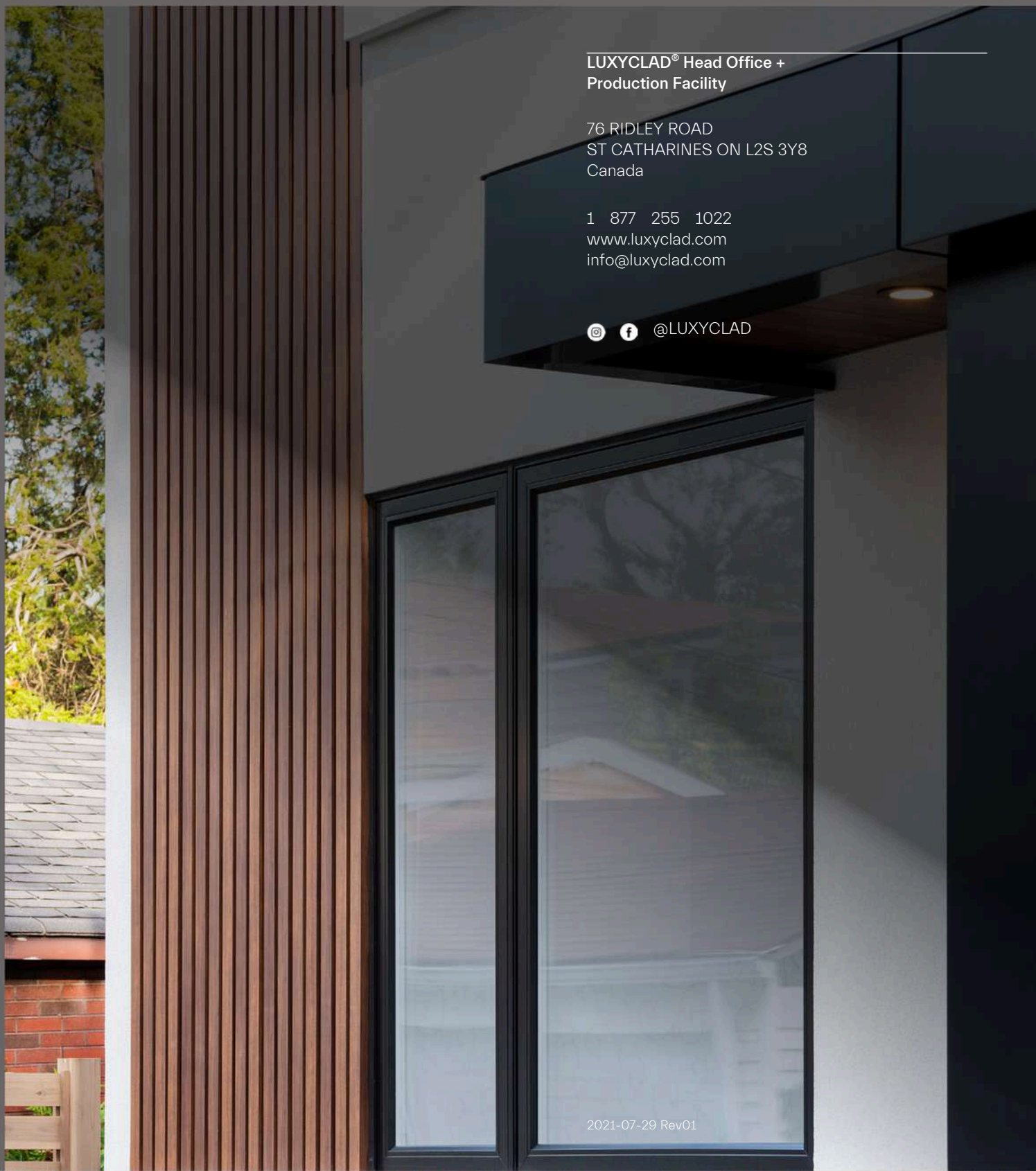
STEP 3

Once the back “L” has been fastened, is square, level and plumb, press the front “L” portion in until you hear a snap. Measure for desired gap and continue “Step 1” through “Step 3” for each row until completed.



STEP 4

Ensure each cap is fully snapped into place.



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