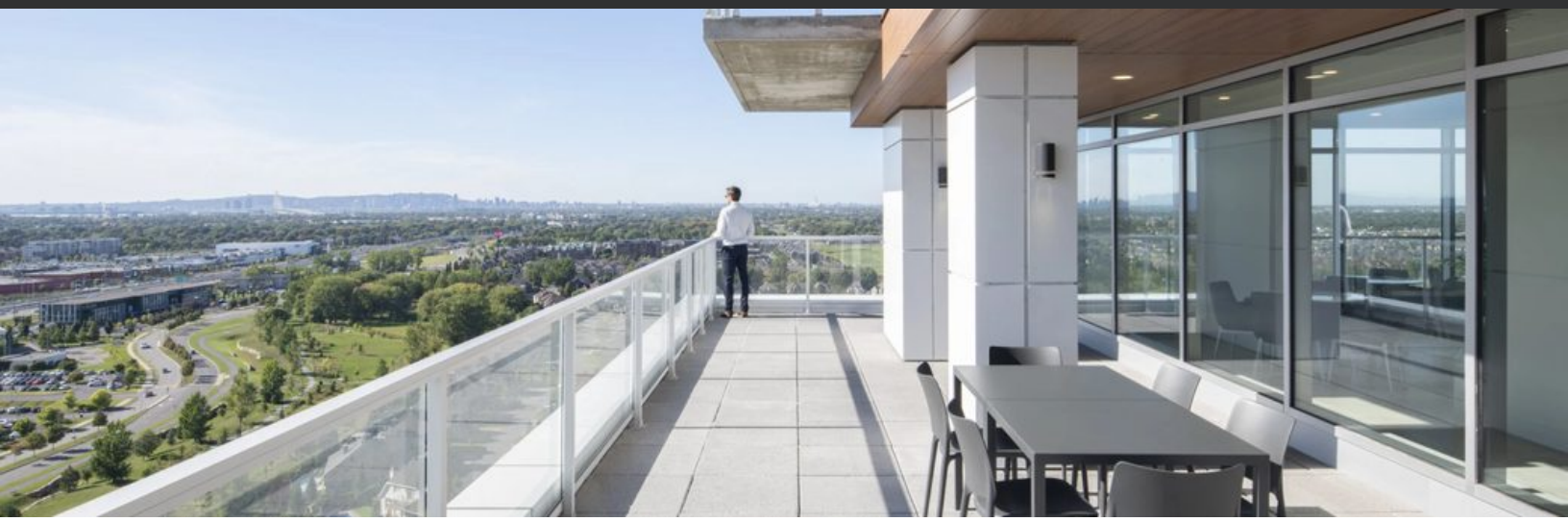
LUXOR ARCHITECTURAL

COLLECTION 2027

Installation Guide

Extruded aluminum cladding and soffits



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Preparing the Site

Check the delivery, substrate and project details before cutting the first board.

Upon Delivery

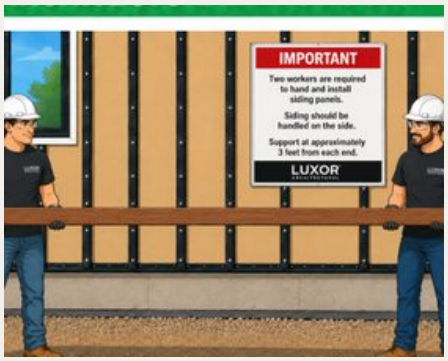
Check product references, lengths, finish, colour and the condition of boards and trims. Set aside questionable or visibly defective pieces and contact Luxor before installation. Check that the required clips, screws and accessories are available.

Storage

Store boxes and boards flat on continuous, raised supports in a dry, shaded location. Outdoors, protect cartons from water and allow air circulation. Avoid traffic areas and work above the pallets.

Two-Person Handling

Carry long boards on edge with two people. Lift each piece without sliding it over others. Clear the route and check the temperature of pieces exposed to sunlight.



Two people carrying boards on edge.

Before Closing the Wall

Check that the substrate is flat, clean, dry and stable. Confirm weather-resistive barrier, flashing, drainage, ventilation and fastening details against the plans and local requirements.

Cutting and Fastening

Prepare the ends, protect the finishes and select fasteners for the substrate.

Tools and Protection

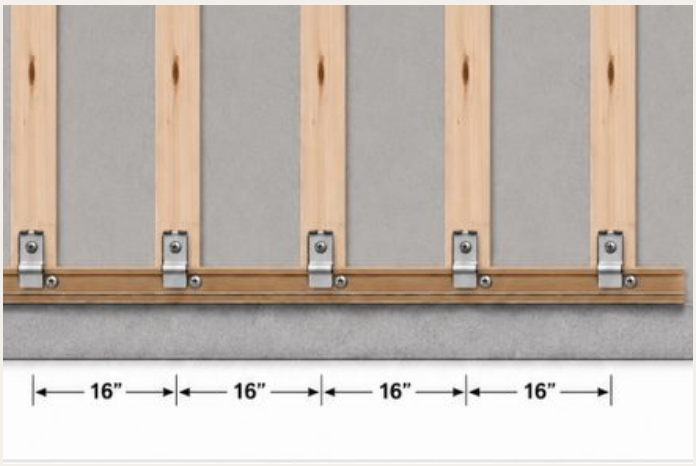
Have a tape measure, level, chalk line, square, drill and saw with an aluminum-cutting blade ready. Use the appropriate tool for openings and protect the finished face. Wear eye protection and other PPE suited to the task hazards. Follow tool and site safety instructions.

Trimming Both Ends

Trim approximately ½ in. off each end of boards and trims to remove manufacturing excess and obtain square ends. Measure the usable length after trimming. Protect the finish at support points and secure the piece while cutting.

Clips and Starter Fastening

Use compatible Luxor clips. Typical installation examples show 16 in. spacing. For the starter strip, install the clip and additional fastener shown in the detail. Tables on pages 10 and 11 specify fasteners and spacing by substrate and wind load.



Starter strip and clips aligned on the substrate.

Pre-Installation Check

Installation examples show corrosion-resistant No. 8 x 1½ in. pan-head screws. Final selection depends on the assembly. The appendix fastening tables identify cases requiring No. 10 screws or other fasteners.

Horizontal Installation

Start at the bottom of the wall. Check alignment and engagement regularly.

01 Mark the starter line. Locate the first row level and check that specified drainage details and clearances are in place.

02 Install trims and bases. Install the Z1173 starter strip and specified perimeter trims. For two-piece assemblies, fasten the bases before installing boards.

03 Engage the first board. Align the lower edge with the starter-strip groove, then push down until fully engaged. Fasten the board with the specified clips and fasteners.

04 Continue row by row. Check level and engagement at each row. Maintain end clearances and specified clearances at openings.

05 Finish the last row. Rip the board if needed to fit the top trim. Check its bearing and snap the finishing top into place with a non-marring tool.



First board engaged in the starter strip.



Rows progressing across the façade.

Inside and Outside Corners

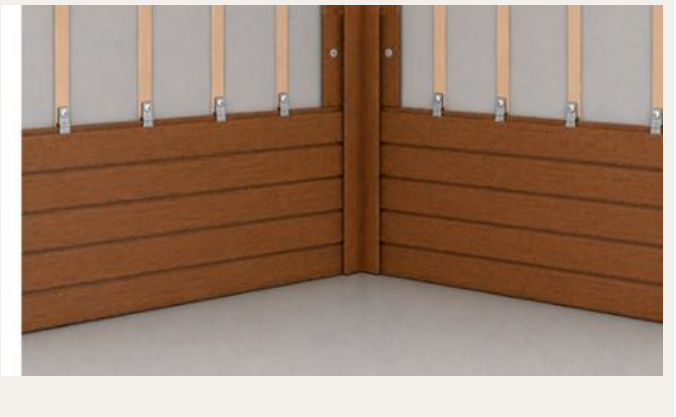
Install corner trims and check clearances before engaging the rows.

01 Fasten the corners. Install inside corner Z1175 or outside corner Z1176 to the project detail. Where a large outside corner is specified, use base SEC19 and top SEC18.

02 Terminate starter strips. End the starter strip on each wall face before the corner trim. Avoid overlapping the two pieces.

03 Engage the board. Insert its end into the corner, then engage it in the starter strip. The typical Luxor guide detail provides at least ⅛ in. between the board end and the back of the corner trim. Verify the clearance required for the project.

04 Continue installation. Keep rows aligned on both faces and check clearances before closing the assemblies.



Inside corner · Junction of two wall faces.



Outside corner · Junction of two wall faces.

Openings and Finishing

Coordinate edge trims with door and window weatherproofing details.

J-Trim · Z1174

Use J-trim at edges and around openings as detailed. Coordinate it with flashings and continuous drainage. Cut boards to the usable dimension, allowing for clearance inside the trim.

Restarting Above an Opening

If a horizontal cut removes the interlock supporting the next row, install a new starter strip at the restart point in accordance with the project detail.

Finishing Trim · Z1184 and Z1185

Install base Z1184 at the specified perimeter before the cladding. Rip the last board if needed for proper bearing. Snap top Z1185 into its base with a soft mallet or non-marring tool.



Trims and cuts around an opening.



Perimeter closed with a two-piece finishing trim.

Expansion and Transitions

Allow for board movement and joint locations during layout.

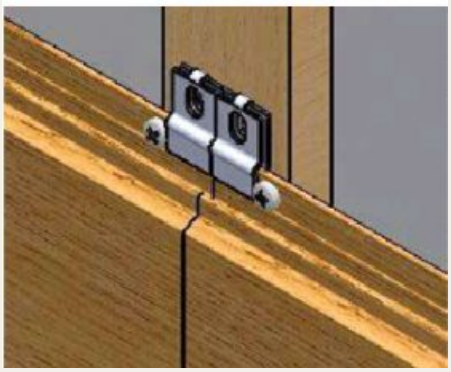
Movement Clearances

Aluminum expands and contracts with temperature. Cut each board shorter than the distance between the backs of the trims. Determine clearance according to length, installation temperature and assembly detail. Check clearance before snapping on the tops.

Configuration	Guidance from the Luxor Guide
Without Butt Joints	Up to 19 ft., depending on the profile, or 24 ft. by special order.
Staggered Butt Joints	Up to 37 ft. in a standard configuration, or 40 ft. with special-order boards.
Beyond the Applicable Length	Divide the façade into separate fields using an H-transition trim: base Z1154 and top Z1155.



H-transition and staggered joints.



Example of support and clips at a joint.

Confirm During Layout

Confirm the available length, joint locations and support required under each joint. These configurations represent Luxor examples.

Solid and Perforated Soffits

Two configurations are shown. Confirm support and ventilation with the project team.

Preparing the Eaves

Install J-trims on both sides of the eaves. The Luxor detail specifies fastening at 16 in. centres. For deep eaves, the guide provides intermediate supports shown at 16 in. centres. Check the framing and fastening specified for the project.

01 Option A · J-trim and starter strip. Install the starter strip, engage the first board and fasten it to the specified support. Place board ends in the J-trims with at least ⅛ in. clearance at each end in the illustrated detail.

02 Option B · J-trim and two-piece finishing trim. Fasten the finishing base. Fasten the first board lip to the support, then interlock subsequent boards. Rip the last board if needed, retaining the centre rib in this detail. Snap on the finishing top.

03 Include perforated boards. Install them using the same method at the locations shown on the ventilation plans.



Eaves support before installation.



Completed soffit with top snapped into place.

Vertical Installation

In the illustrated detail, installation progresses from the centre to both edges.

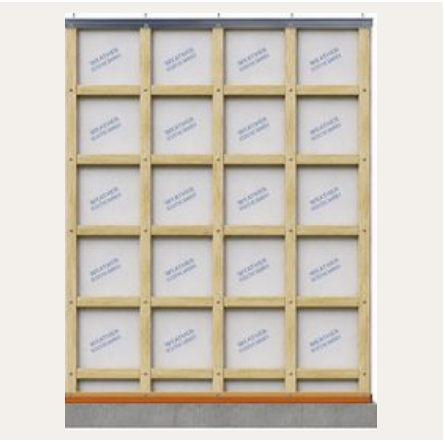
01 Prepare the supports. The Luxor guide recommends horizontal furring for this orientation. Maintain the drainage and ventilation paths shown on the plans.

02 Install perimeter trims. In the illustrated detail, the bottom J-trim has ¼ in. drainage holes predrilled every 6 in. Install the finishing base at the top and the specified edge pieces.

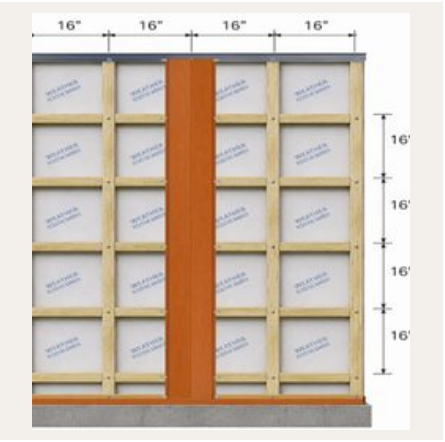
03 Install both starter strips. Fasten the strips back to back at the centre, with clips and an additional fastener at each clip, as shown in the assembly detail.

04 Install boards toward the edges. Engage the first boards in the starter strips and work in both directions. Check plumb and clearances. Rip the last boards if needed, retaining the centre rib in the illustrated detail.

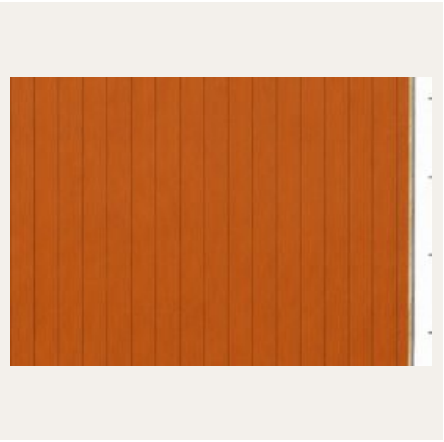
05 **Close the trims. Snap on finishing tops with a non-marring tool.**



Horizontal furring and perimeter trims.



Installing the first boards at the centre.



Installation completed toward both edges.

Fastening to the Structure

Appendix · Wind Loads and Fasteners · Luxor Guide, September 2026, p. 33.

Assembly	Spacing	Wind Load Range[1]
V-Groove · 2½, 4 and 6 in.	16 in.	20 to 120 psf
Same assembly	24 in.	20 to 60 psf
Same assembly	32 in.	20 to 40 psf
Trims	16 in.	20 to 120 psf
Soffit on roof truss	24 in.	20 to 60 psf

[1] Factored loads, absolute values. Ranges summarize the values in 10 psf increments in the original table. Stainless steel fasteners. Deflection limit L/180 for this configuration.

Substrate and Requirement	Fastener	Min. Embedment	Min. Edge Distance
Wood · Specific gravity ≥ 0.55	No. 10 pan-head screw	1½ in.	¾ po
Steel · 18 GA min. and 33 ksi min.	No. 10 TEK screw, grade 5	3 threads beyond steel	½ po
Concrete · 3,000 psi min.	3/16 in. ITW Tapcon screw	1 in.	1 in.
Grout-filled ASTM C90 masonry block · 2,000 psi min.	3/16 in. ITW Tapcon screw	1 in.	2 in.

Furring is recommended for concrete and masonry. At each starter-strip fastening point, the table requires two fasteners: one standard fastener and one at the midpoint of the slotted hole.

Project Verification

The responsible professional confirms the substrate, load transfer and fastening appropriate to the building. The table uses an unfactored cladding dead load of 1.5 psf.

Fastening to Wood Panels

Appendix · Wind Loads · Luxor Guide, September 2026, pp. 34-36.

Profile or Component	12 in.	16 in.	24 in.	32 in.
V-Groove · 2½ in.	—	—	120	80
V-Groove · 4 in.	—	120	100	60
V-Groove or Square Edge · 6 in.	120	90	60	40
Trims	—	120	—	—

Each number is the documented maximum wind load at that spacing, in psf (factored load, absolute value). Source tables begin at 20 psf in increments of 10. A dash indicates an undocumented combination. Deflection limit L/60 for this configuration.

Substrate	Fastener	Min. Length	Min. Embedment	Min. Edge Distance
7/16 in. OSB or plywood · APA grade or better	No. 10 pan-head wood screw	1 in.	7/16 in.	1 in.

Starter Strip Fastening

At each fastening point, the tables require a standard fastener and one at the midpoint of the slotted hole. The tables specify stainless steel fasteners.

Project Verification

Values apply to the listed profiles and substrate. Have the responsible professional confirm the assembly is suitable for project loads and transfers them to the structure. Unfactored dead load included: 1.5 psf.

Inspection and Maintenance

Check the finish and hand over maintenance instructions at project completion.

Post-Installation Inspection

Check board and trim-top engagement, joint consistency and the absence of metal chips. Check that specified drainage paths remain clear. For small touch-ups, use a product compatible with the Luxor finish.

Routine Cleaning

Rinse with a garden hose, ideally in spring to remove winter deposits. If needed, use a soft brush and mild, pH-neutral cleaner according to its instructions. Rinse with clean water and work on a cool or shaded surface.

Salt Exposure

The Luxor guide recommends washing every 3 to 6 months for projects within 5 km of the sea. Avoid pressure washers, steel wool, abrasive pads and acidic cleaners.

Luxor Technical Support

For a specific assembly, send plans, substrate type and profile references. info@luxorarchitectural.com · 514 585-6558

Technical source and illustrations: Luxor Architectural Installation Guide, revision dated September 8, 2026. Figures show typical details and are not to scale.

General references: CNESST, personal protective equipment; Codes Canada, application of codes.