

BOLTON 3000

EXTRUSION SYSTEM

ACM PANEL MEASURING & INSTALLATION GUIDE



- 1 EXTRUSIONS
- 2 MEASURE
- 3 SEND
- 4 FABRICATION
- 5 INSTALL
- 6 FINISH

OVERVIEW

SYSTEM COMPONENTS

The Bolton 3000 system has three parts, all supplied by Bolton Cladding. No screws go through the panels: each panel return drops into the extrusion, the extrusion holds it, and the silicone gasket locks the joint.



BASE CONNECTOR

Between two panels · holds both panel edges and the gasket



STARTER / END ATTACHMENT

First and last edge of a run, and at windows



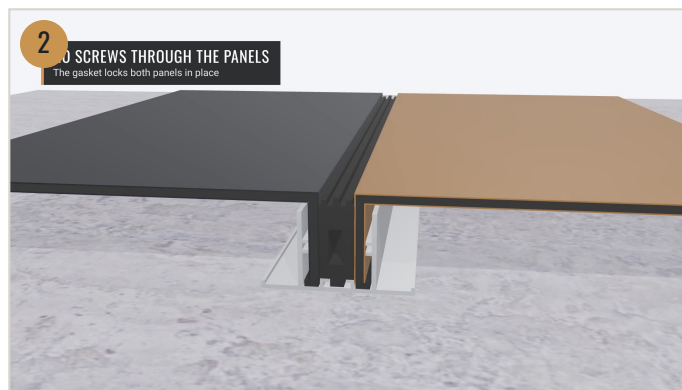
SILICONE GASKET

In the gasket channel · locks the panels and seals the joint

HOW THE DRY SEAL JOINT WORKS



Each panel has a folded return on every edge. The return drops into the extrusion, where the panel rests.

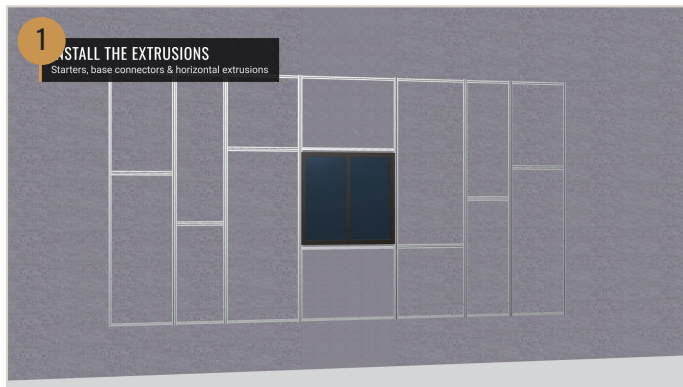


The silicone gasket is pressed into the channel between the panels, holding them in place and sealing the joint.

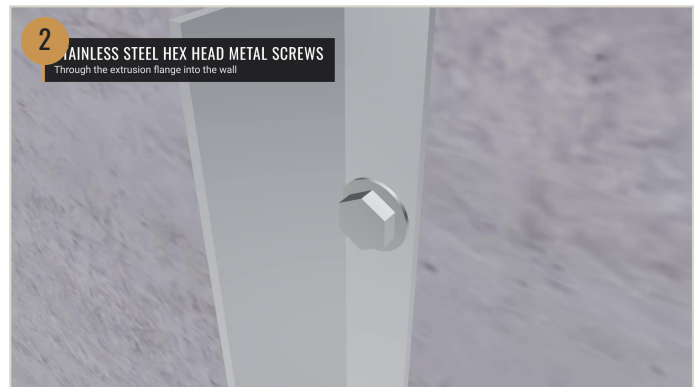
STEP 1

INSTALL THE EXTRUSIONS

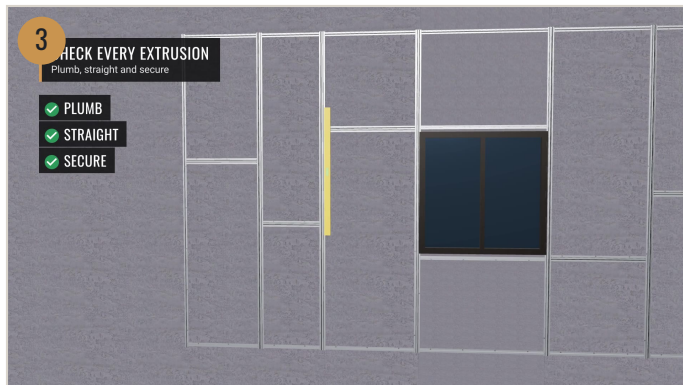
All extrusions go on the wall before you measure anything. Place a starter at the first and last edge of each run and at windows, and a base connector wherever two panels meet.



Starters, base connectors and horizontal extrusions installed on the wall.



Fasten each extrusion through its flange with stainless steel hex-head metal screws.



Check every extrusion is straight, plumb and secure.

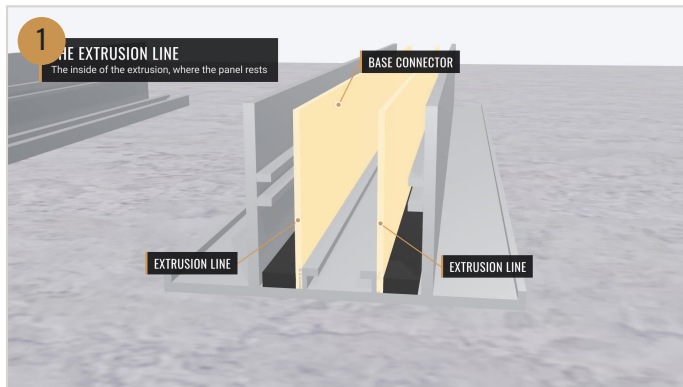
STEP 1 CHECKLIST

- ☐ Starters at the first and last edge of each run and at windows
- ☐ Base connectors wherever two panels meet
- ☐ Every extrusion fastened with stainless steel hex-head metal screws
- ☐ Every extrusion straight, plumb and secure

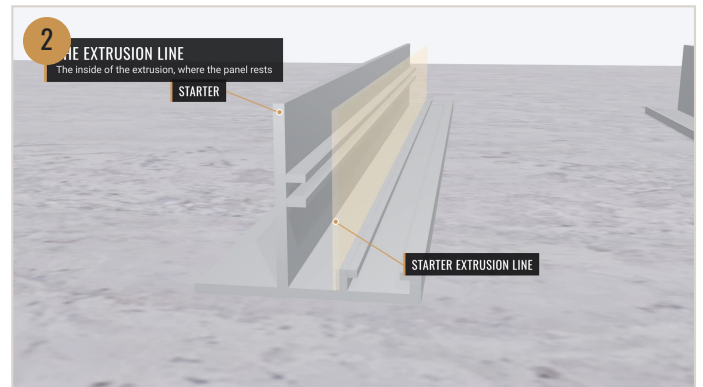
STEP 2

TAKE YOUR MEASUREMENTS

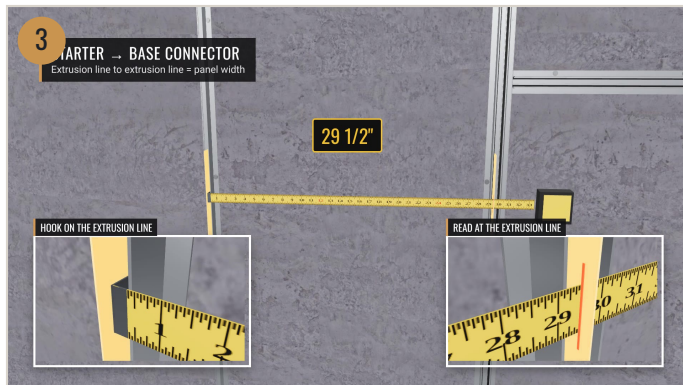
Every measurement is taken from extrusion line to extrusion line, and that measurement is the exact panel size. The extrusion line is the inside of the extrusion, where the panel rests.



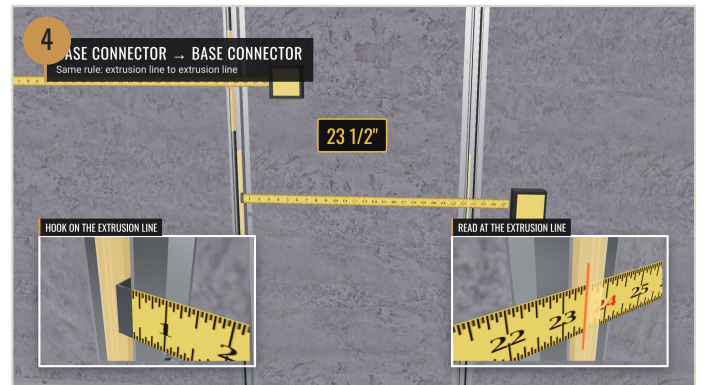
On a base connector there is an extrusion line on each side of the gasket channel.



On a starter, the extrusion line is on the panel side.



Width: hook on the starter extrusion line, read at the base connector extrusion line.



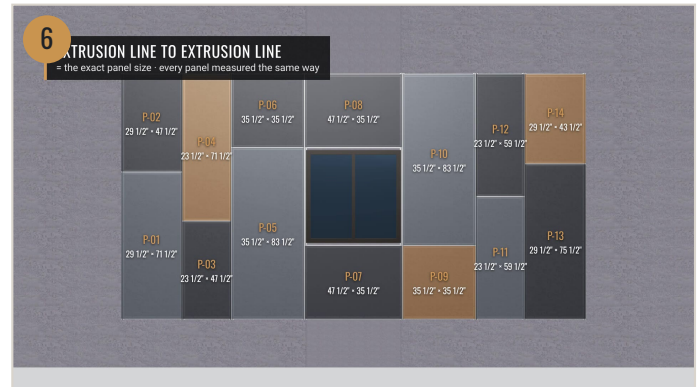
Between two base connectors, measure the same way, extrusion line to extrusion line.

STEP 2

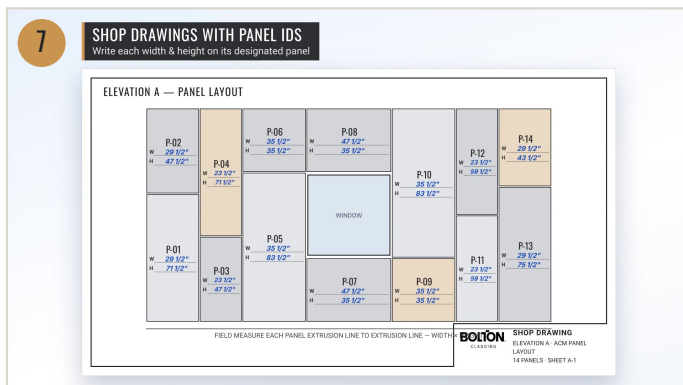
TAKE YOUR MEASUREMENTS (CONTINUED)



Height: bottom starter extrusion line to the next horizontal extrusion line.



Extrusion line to extrusion line is the exact panel size, for every panel.



Write each width and height on its designated panel ID on the shop drawing.

KEY RULE: MEASURE EXTRUSION LINE TO EXTRUSION LINE. WRITE IT DOWN EXACTLY AS YOU READ IT.

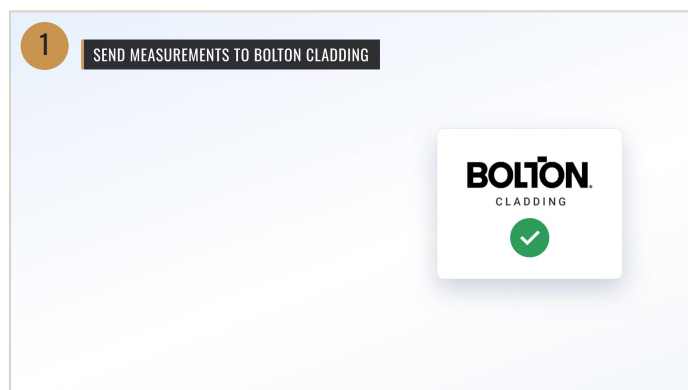
STEP 2 CHECKLIST

- ☐ Every panel width measured, extrusion line to extrusion line
- ☐ Every panel height measured, extrusion line to extrusion line
- ☐ Each width and height written on its panel ID on the shop drawing

STEP 3

SEND TO BOLTON CLADDING

Send the completed shop drawings, with every panel width and height filled in, to Bolton Cladding. Fabrication starts from these numbers, so check each one before you send.



Send your completed measurements to Bolton Cladding for fabrication.

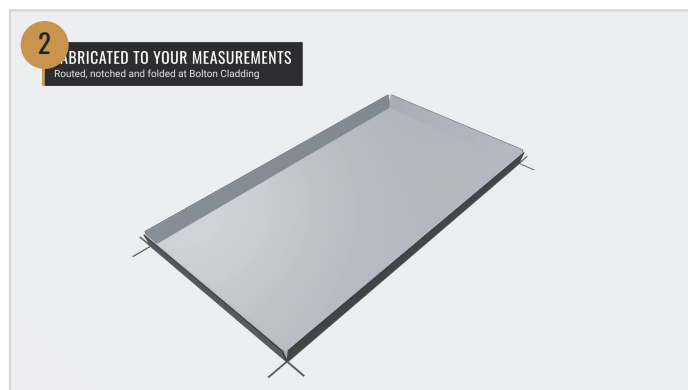
STEP 3 CHECKLIST

- ☐ Every measurement checked
- ☐ Completed shop drawings sent to Bolton Cladding

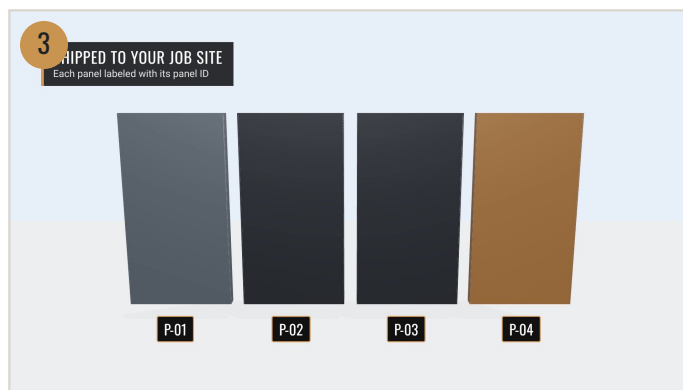
STEP 4

FABRICATION & DELIVERY

Bolton Cladding fabricates your panels to your exact measurements and ships them to your job site, each labeled with its panel ID.



Panels routed, notched and folded to your measurements.



Every panel ships labeled with its panel ID, matching the shop drawing.

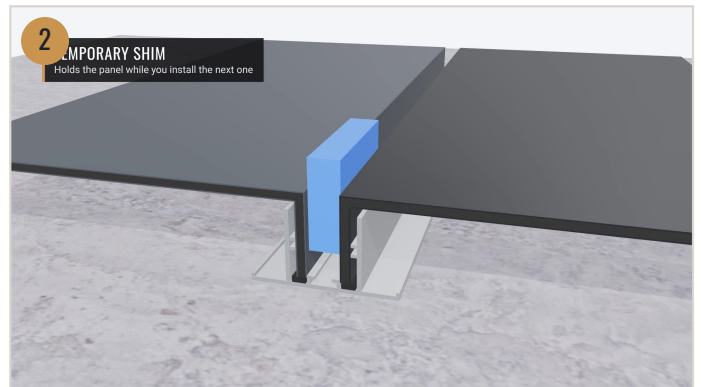
STEP 5

INSTALL THE PANELS, ONE AT A TIME

No screws are needed. Start at the bottom corner with panel P-01, matching each panel ID label to the shop drawing before you lift it. Clip the panel returns into the extrusions so each return sits at the extrusion line.



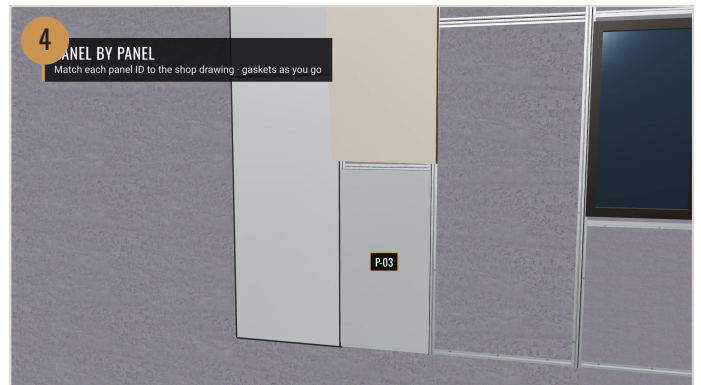
Panel P-01 clipped into the extrusions, held with temporary shims.



A temporary shim holds the panel while you install the next one.



Or slide the silicone gasket into the gasket channel. The gasket holds the panel in place.



Continue panel by panel, matching each panel ID to the shop drawing.

STEP 5

INSTALL THE PANELS (CONTINUED)



Install the gaskets as you go, removing any temporary shims.



Every panel locked in place by its gaskets.

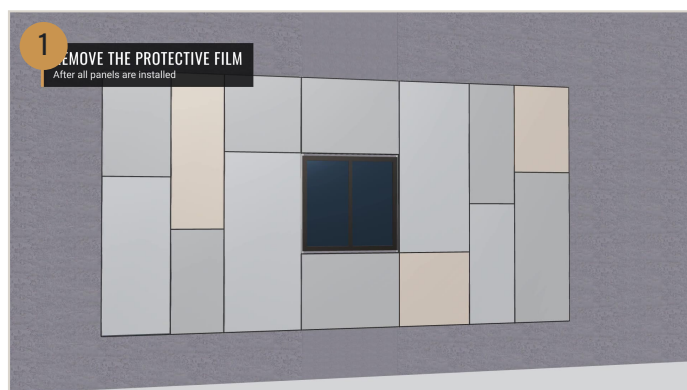
STEP 5 CHECKLIST

- ☐ Started with P-01 at the bottom corner
- ☐ Each panel ID matched to the shop drawing before lifting
- ☐ Panel returns clipped into the extrusions at the extrusion line
- ☐ Gaskets installed in every joint as you go
- ☐ All temporary shims removed

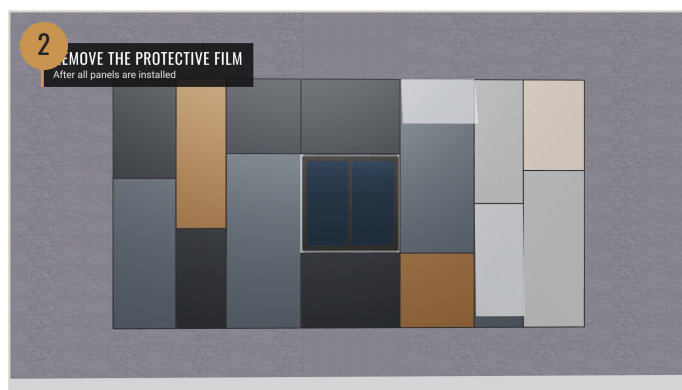
STEP 6

FINISH THE JOB

Once all the panels are installed, remove the protective film, caulk around windows and openings where needed, and check every panel and gasket.



All panels installed, protective film still on.



Remove the protective film from each panel.



Caulk around windows and openings where needed.



Final check: every panel and gasket secure and fully in place.

FINAL SIGN-OFF

COMPLETE INSTALLATION CHECKLIST

- ☐ Step 1 · Extrusions fastened with stainless steel hex-head screws; straight, plumb and secure
- ☐ Step 2 · Every panel measured extrusion line to extrusion line and written on its panel ID
- ☐ Step 3 · Shop drawings sent to Bolton Cladding
- ☐ Step 4 · Panels received and labeled with their panel IDs
- ☐ Step 5 · Panels installed one at a time from P-01; gaskets in every joint; shims removed
- ☐ Step 6 · Protective film removed
- ☐ Step 6 · Windows and openings caulked where needed
- ☐ Step 6 · Every panel and gasket secure and fully in place

PROJECT / ADDRESS

INSTALLER

DATE

SIGNATURE
