

Installation Guide

Snap

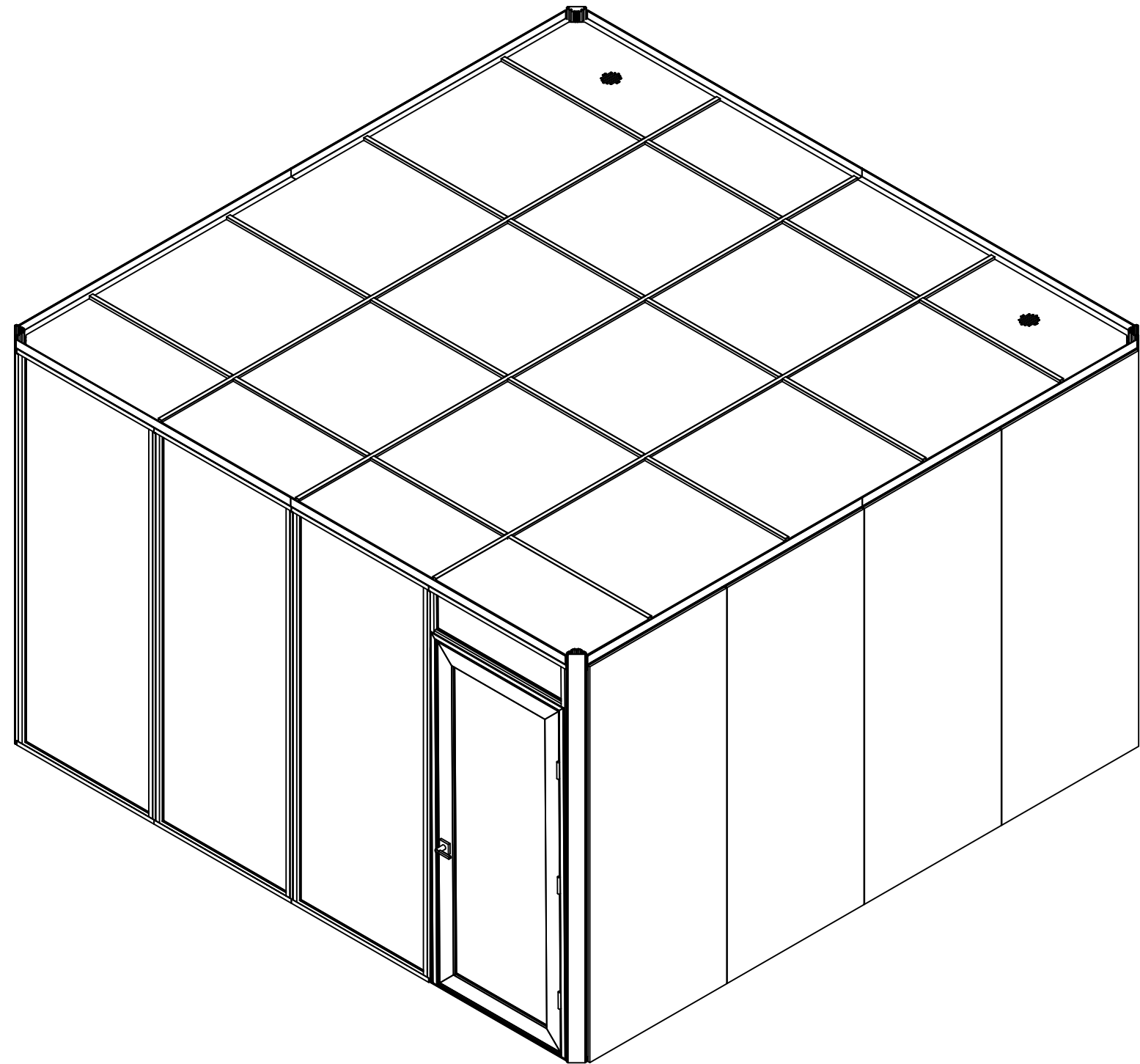
Build Without Boundaries.

Snap is a free-standing room system that makes architecture agile. Start small or scale endlessly, choose clear, acoustic, or overlay finishes, and reconfigure as needs evolve. With Snap, every space is a space in progress.



LOFTWALL

Key Installation Rules	Universal setup principles for layout, floor tracks, corners, module connections, and ceiling spans.	<u>01</u>
Project Coordination Requirements	Electrical integration and fire suppression / sprinkler accommodation requirements.	<u>02</u>
Component Overview	Visual inventory of Snap modules, connection hardware, and ceiling system components.	<u>03</u>
Panel Handling	Safe handling, lifting, and storage guidelines for panels, glass modules, and wall frames.	<u>05</u>
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Installation Guide Overview

This guide explains the general installation sequence for Snap rooms. It is not specific to a particular floor plan or configuration. The steps shown illustrate the core assembly methods used across all Snap units.

The System Grid

Every Snap room is built on a 3' × 3' modular grid.

- All wall modules must align to this grid.
- Do not field-measure or adjust spacing outside the grid.

Floor Tracks First

Install all floor tracks before placing wall modules.

- Align tracks to the layout grid and confirm level.
- Tracks establish the room's square alignment.

Corners Define Structure

Each corner uses:

- 1 Corner Post
- 4 Snap Joining Strips

Install joining strips on both interior and exterior faces to lock the corner square.

Modules Connect Seamlessly

All modules — Standard, Overlay, and Door — install using the same connection sequence.

1. Set module on floor track.
2. Align verticals flush.
3. Insert Snap Joining Strip bottom-up.
4. Tap flush with a mallet.

Doors Are Plug-and-Play

Door Wall Modules install using the standard module connection method.

- After the frame is secured, hang the pre-hinged door leaf and confirm clearance.

Long Ceiling Beams Span the Short Dimension

Long Ceiling Beams always run across the shorter dimension of the room.

- Do not reverse beam orientation.

Check Alignment Often

After each wall or corner:

- Confirm walls are plumb and flush.
- Confirm Floor Tracks remain square to the grid.
- Verify Snap Joining Strips are fully seated.
- Check alignment before ceiling and door installation.

Some Snap installations require coordination with project-specific electrical, fire suppression, or other building systems. Confirm all trade-related requirements before modifying components or closing walls and ceilings.

Electrical Integration

Electrical components integrate through Overlay Wall Modules and Ceiling Panels only.

- Overlay Wall Modules may receive electrical components where required by the project layout.
- Wall outlets and switches route through the Overlay Wall Module cavity.
- For Overlay Wall Modules receiving electrical components, field-drill a 1.5" / 38 mm pass-through at the top of the frame.
- Ceiling lights, fans, and sensors route through designated Ceiling Panels.
- Refer to the Snap Electrical Install Guide for wiring and device procedures.

Fire Suppression / Sprinkler Accommodation

When required, sprinkler accommodation must be coordinated before Ceiling Panels are installed.

- Confirm requirements with the project team and licensed fire protection contractor.
- Do not determine sprinkler locations, openings, or clearances in the field.
- Do not shift the Snap room location in the field without project team approval.

- Do not cut, drill, notch, or modify Snap ceiling components unless shown in approved project documents.
- Sprinkler-related modifications must be performed by the licensed fire protection contractor or approved trade.
- Loftwall does not provide sprinkler design, sprinkler hardware, or sprinkler installation.

System Parts at a Glance

Every Snap room consists of modular components that connect using the Snap Joining System. All parts are pre-engineered for repeatable assembly.

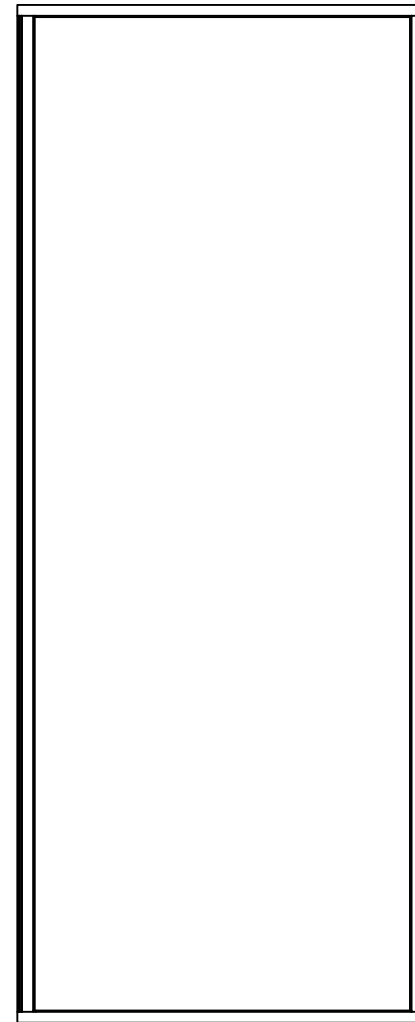
Wall Modules & Panels

- a. Standard Wall Module** A preassembled wall module with a fixed inset infill panel. Forms the primary structural wall segment of a Snap room.

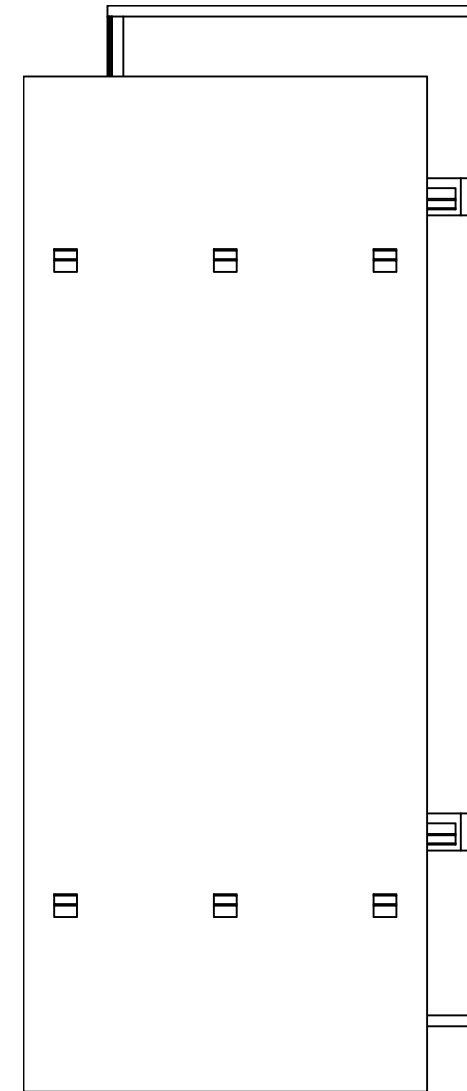
- b. Overlay Wall Module** An open-frame wall module with integrated beams and clip brackets. Receives Overlay Wall Panels. May receive electrical components where required by the project layout. Electrical pass-throughs are field-drilled where required.

- c. Overlay Wall Panel** A removable surface panel that attaches to an Overlay Wall Module using preinstalled clips. Provides finish surface and access to electrical cavity.

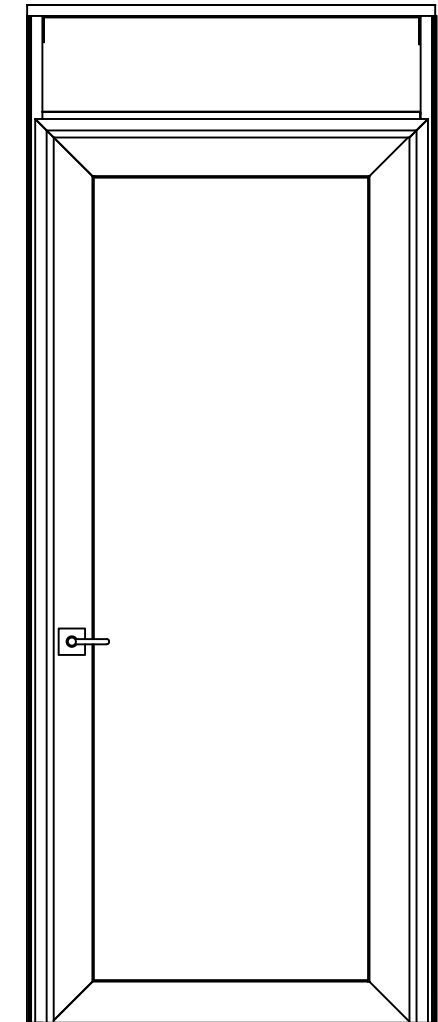
- d. Door Wall Module** A preassembled wall module with integrated jamb and head frame. Installs using the standard module connection method. The pre-hinged door leaf attaches after frame installation.



a. Standard Wall Module



b. c. Overlay Wall Module (behind) & Panel (front)



d. Door Wall Module

Connection System

- Snap Joining Strip**

Connects two Wall Modules (Standard, Overlay, or Door) to each other or to a Corner Post. Slides vertically from base to top. Locks modules together under tension.
- Corner Post**

Joins two Wall Modules at 90°. Accepts four Snap Joining Strips — two per face.
- Floor track**

Defines the room footprint. Each Wall Module seats directly onto a floor track.

Ceiling System

- Ceiling Fascia**

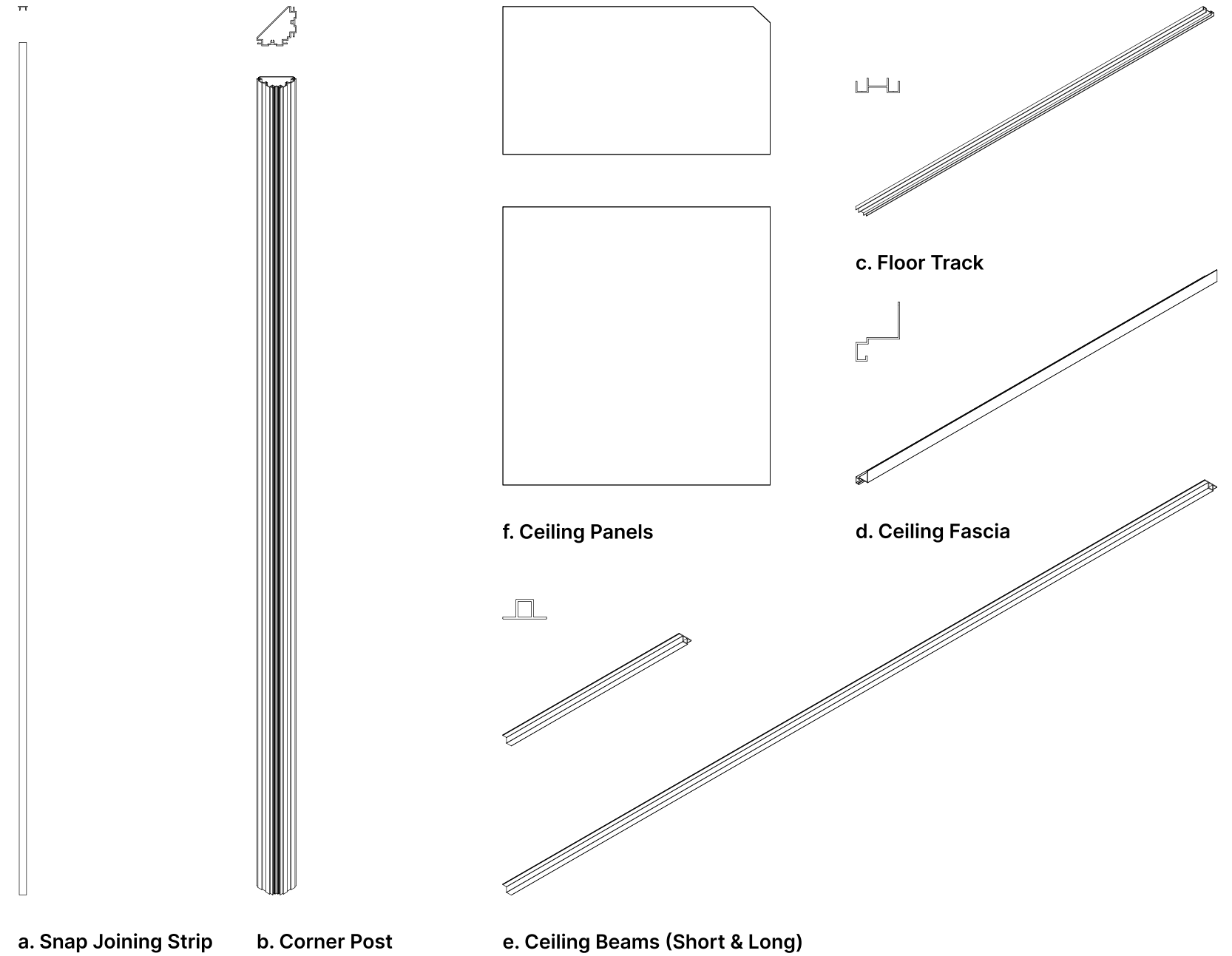
Secures to the top horizontal extrusion of each Wall Module. Frames the ceiling perimeter.
- Ceiling Beams (Short & Long)**

Two beam lengths are used in each room:

 - Long Ceiling Beams span the short dimension of the room.
 - Short Ceiling Beams connect the perimeter of the Snap unit to the Long Ceiling Beams and connect beam-to-beam.

Together, they form the ceiling support grid for Ceiling Panels.
- Ceiling Panels**

Drop into the Ceiling Beam grid. Specific panels integrate lighting, fans, or sensors.



Safe Handling and Storage

General Guidelines

- 1. Lift, Don't Drag**
 - Lift panels vertically when moving.
 - Do not slide on concrete or metal surfaces.
 - Use team lifts for large or heavy modules.
- 2. Handle at Frame Edges**
 - Support panels by the aluminum or wood frame only.
 - Do not lift by the infill.
 - Do not flex or twist corners.
- 3. Store Upright and Supported**
 - Store panels and modules vertically with full base support.
 - Use padded spacers between components.
 - Do not stack flat.

Material-Specific Handling

Standard and Overlay Wall Modules

- 1. Standard Wall Modules**
 - Handle by the outer frame only.
 - Avoid impact at corners or seams.
 - Keep protective wrap in place until installation.
- 2. Overlay Wall Modules**
 - Carry using both vertical frames or integrated beams.
 - Protect wood elements from moisture and impact.

Overlay Wall Panels (Including Dry Erase)

- 1. Transport and Lift**
 - Minimum two-person lift.
 - Carry panels upright.
 - Protect edges and corners.
 - Do not lay flat.
- 2. Hanging Preparation**
 - Use suction cups when installing Overlay Wall Panels.
 - Confirm panel orientation before hanging.
 - Panels are directional based on rear z-clips and frame-mounted z-clips.

Glass or Acrylic Wall Modules

- 1. Handling Tools**
 - Use suction cups for all moves.
 - Wear gloves to prevent pinching and surface contamination.
- 2. Storage**
 - Store vertically in padded racks with separators.
 - Do not stack flat.
 - Do not lean unsupported against hard surfaces.

Steps shown illustrate a 12' × 12' Snap room. Dimensions may vary by project, but assembly sequence and connection logic remain.

A. Layout

1. Prepare Area

- Clear and level the floor surface.
- Mark Snap room corner locations per approved drawings.
- Verify corners are square using a laser.
- Confirm footprint, final room location, and any required sprinkler accommodation match approved drawings.

2. Position Floor tracks

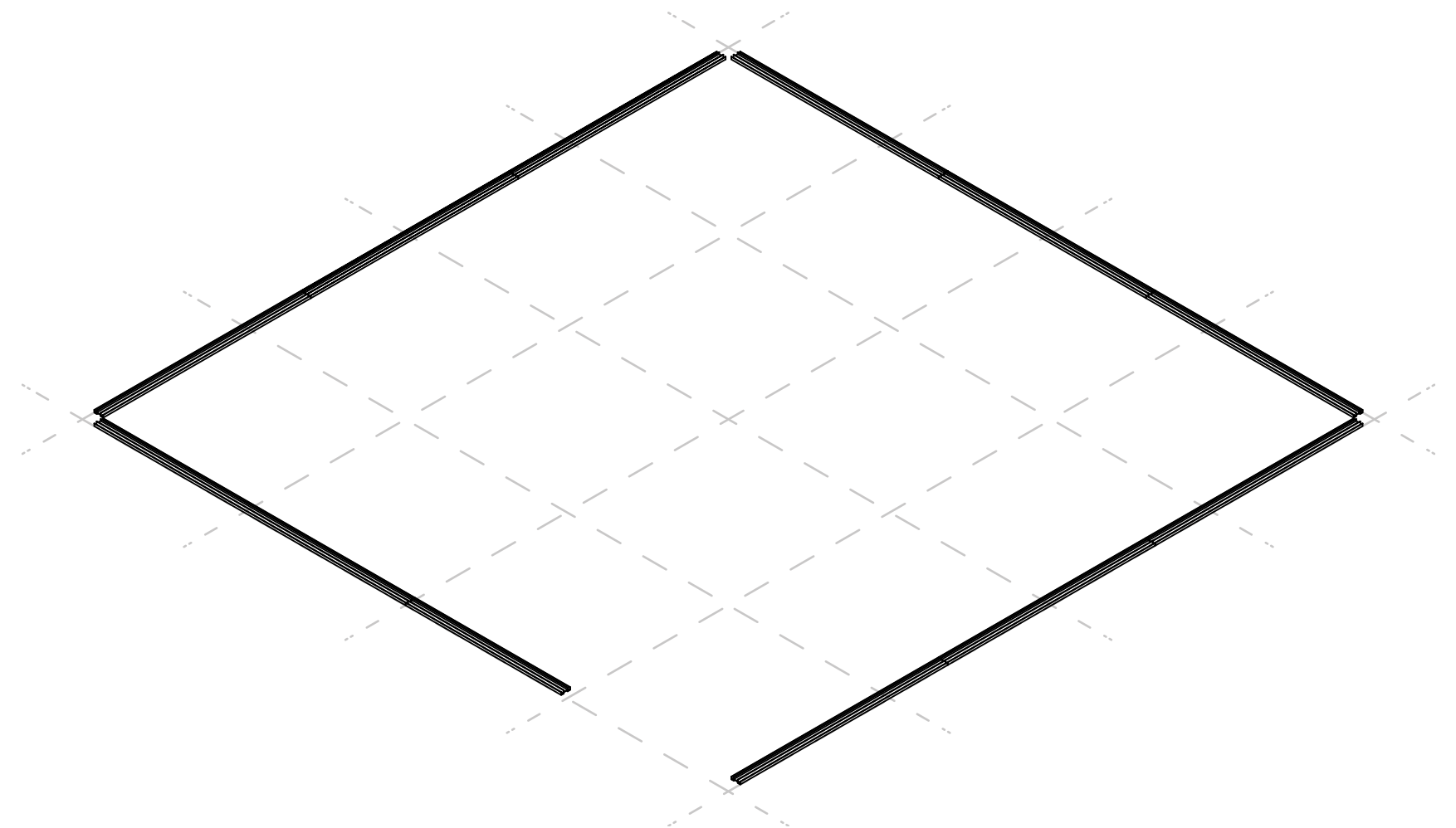
- Confirm door locations per approved drawings.
- Position Floor Tracks along layout lines.
- Do not install Floor Track at door openings.
- Align Floor Tracks to approved corner marks; do not shift layout without project team approval.

3. Prepare Wall Modules

- Stage Standard, Overlay, and Door Wall Modules near install points.
- Identify Overlay Wall Modules receiving electrical components.
- Confirm module placement per approved drawings.

4. Review Alignment

- Verify Floor Tracks form a true square or rectangle using a laser.
- Adjust alignment before installing the first Wall Module.

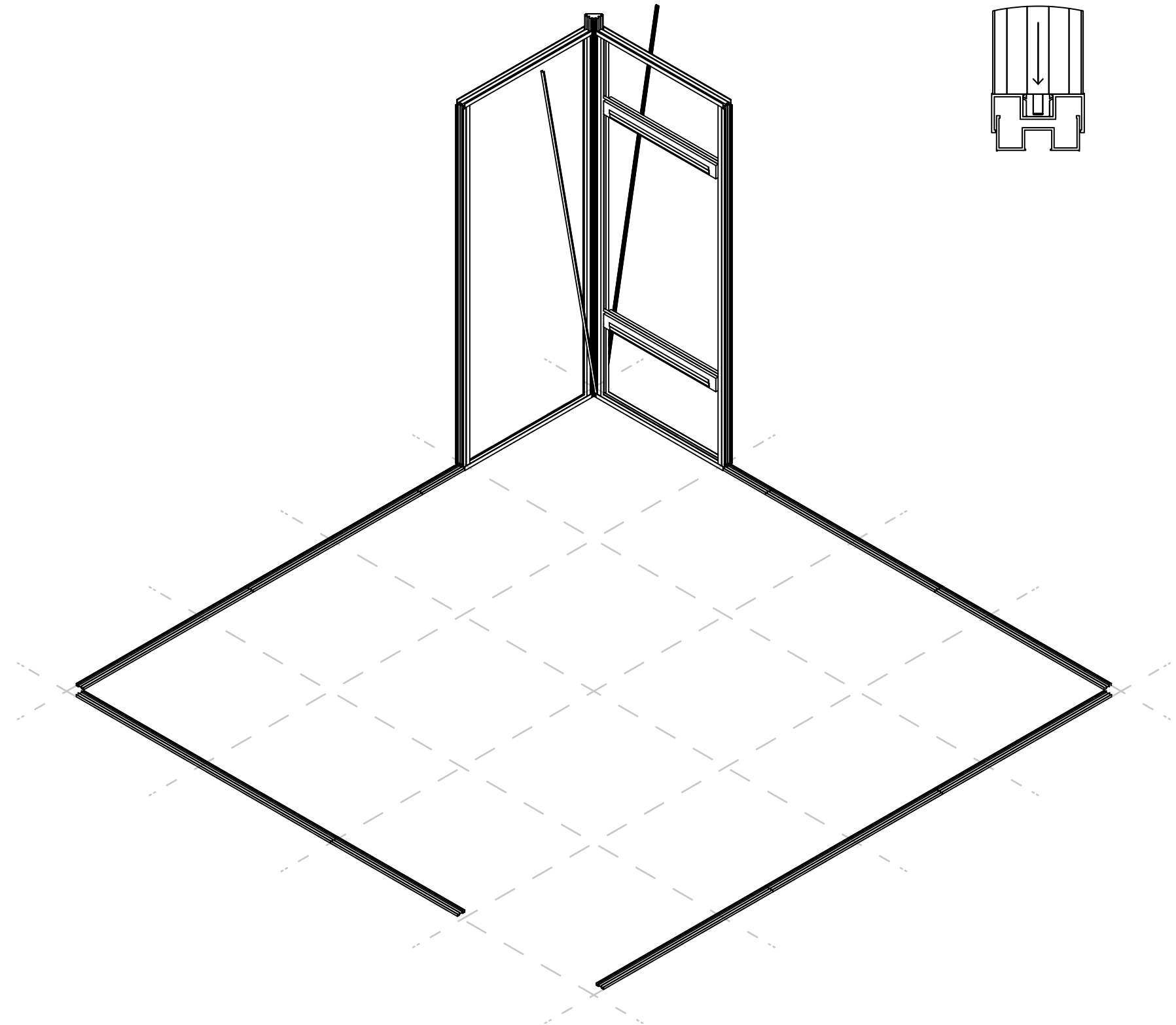


Installation Steps

Reminder: Confirm Overlay Wall Modules receiving electrical components are installed in the locations shown on approved drawings. Electrical pass-throughs are field-drilled where required.

B. First Corner

- 1. Choose the Starting Corner**
 - Start at the corner opposite the door.
 - Confirm Wall Module type per drawings.
 - Confirm module sequence accounts for Overlay Wall Modules receiving electrical components.
- 2. Set the First Wall Module**
 - Set first Wall Module onto Floor Track.
 - Confirm full contact — no gaps.
- 3. Position Corner Post**
 - Set Corner Post at open module end.
 - Align post channel with module extrusion.
 - Tilt post outward slightly for strip clearance.
- 4. Install Exterior Snap Joining Strip**
 - Insert exterior strip first.
 - Tap bottom-up until seated and flush.
- 5. Pull Corner Tight**
 - Pull post toward module to tension strip.
 - Clamp with rubber pads to draw corner tight.
- 6. Install Interior Snap Joining Strip**
 - Insert interior strip bottom-up.
 - Tap until seated and flush.
- 7. Repeat for Opposite Wall Module**
 - Repeat process for the second corner Wall Module.



Reminder: Confirm Overlay Wall Modules receiving electrical components are installed in the locations shown on approved drawings. Electrical pass-throughs are field-drilled where required.

C. Wall Runs

1. Install Standard Wall Modules

- Set next Wall Module onto Floor Track beside previous module.
- Align flush; clamp with buffer pads.
- Insert Snap Joining Strip bottom-up; tap until seated.
- Release clamp to transfer load.
- Repeat to the Corner Post.

2. Install Corner Post(s)

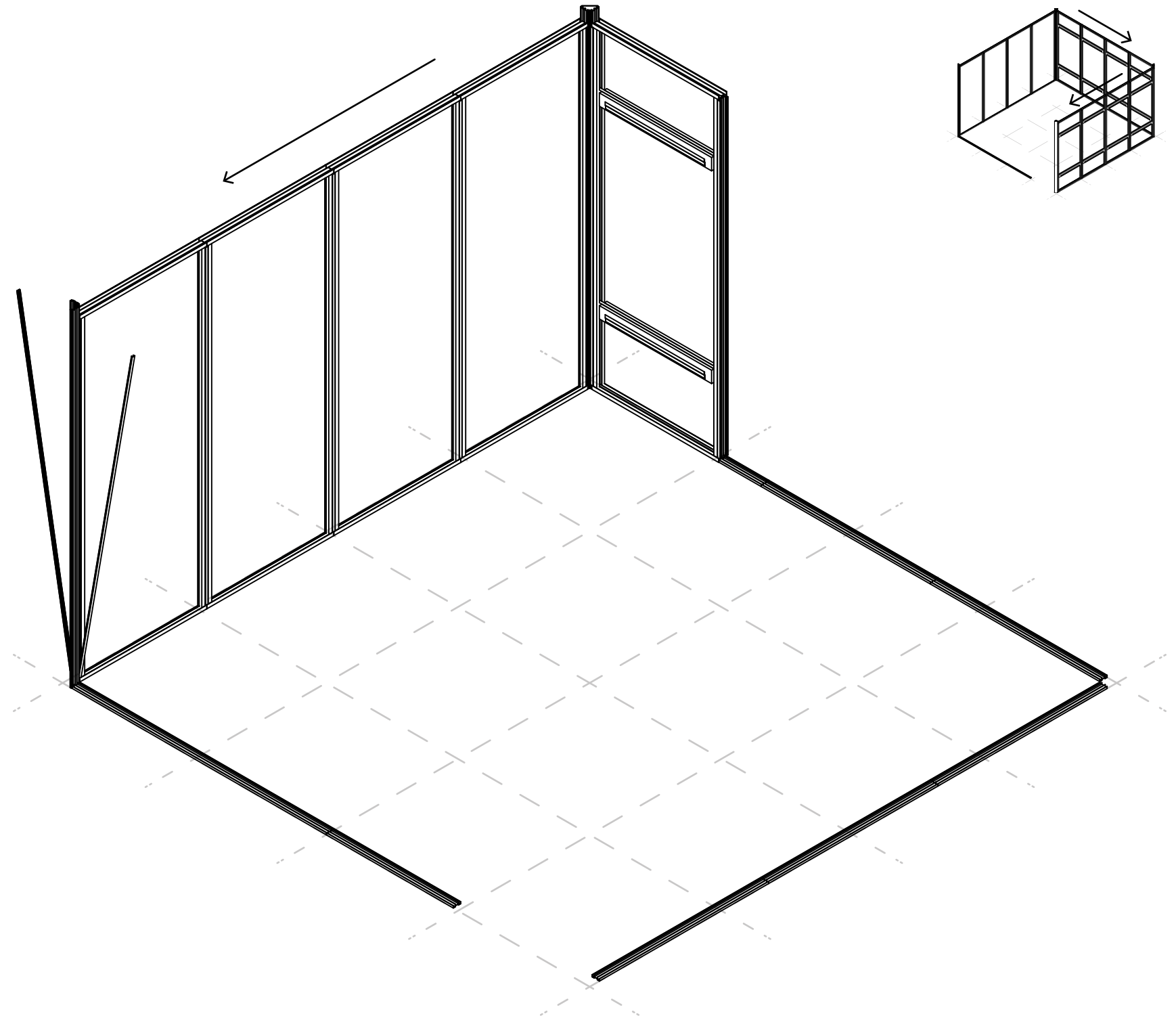
- Set Corner Post at open module end; align channel with extrusion.
- Tilt post outward slightly for strip clearance.
- Insert exterior Snap Joining Strip bottom-up; tap until flush.
- Clamp post tight to remove gaps.
- Insert interior Snap Joining Strip bottom-up; tap until seated.

3. Repeat Wall Run on Adjacent Side

- Using the same sequence, install modules along adjacent layout line.
- Complete run to next corner before proceeding.

4. Check Alignment

- Confirm corner measures 90°; verify walls are plumb.
- Verify plumb and level at corner intersection.
- Confirm Floor Tracks remain tight and flat.



D. Door Installation

1. Install Door Wall Module

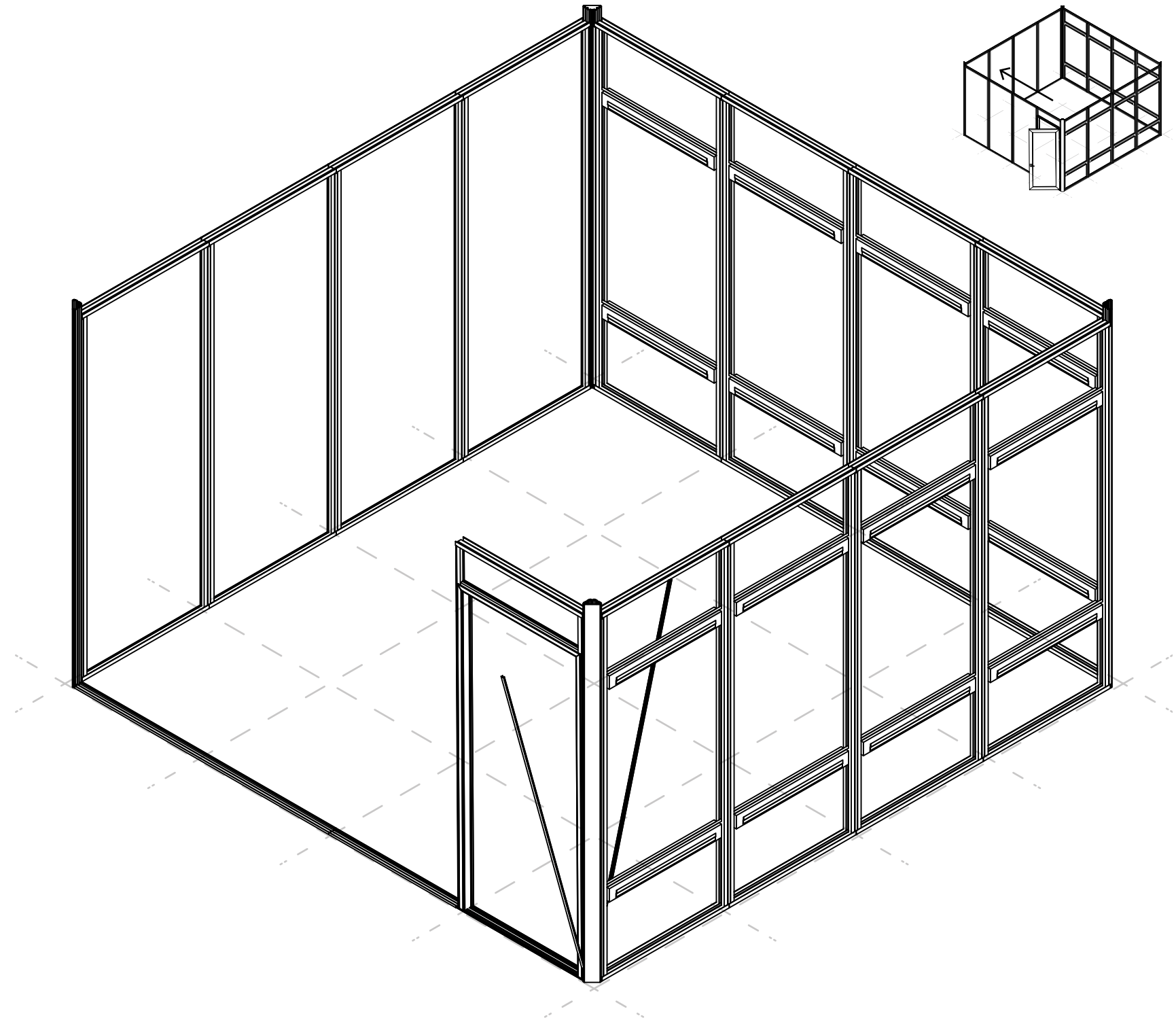
- Set Door Wall Module onto Floor Track.
- Align flush; clamp with buffer pads.
- Insert exterior Snap Joining Strip first, then interior strip, bottom-up; tap until seated.
- Release clamp to transfer load.
- Verify door jamb is plumb before proceeding.

2. Install Corner Post

- Set Corner Post at the open end of the Door Wall Module.
- Align post channel with module extrusion.
- Tilt post outward slightly for strip clearance.
- Insert exterior Snap Joining Strip bottom-up; tap until flush.
- Clamp post tight to remove gaps.
- Insert interior Snap Joining Strip bottom-up; tap until seated.

3. Hang Door Leaf

- Verify Door Wall Module and adjacent corner are plumb.
- Align preinstalled hinges with jamb receivers.
- Secure hinge pins or fasteners per hardware specification.
- Verify smooth swing and consistent reveal.
- Confirm latch engagement and clearance.



Field Note: The door may be hung at this step or after the Snap unit is fully installed.

E. Ceiling Fascia & Electrical Pass-Through

1. Determine Fascia Quantity

- 9' × 9' Snap: 2 Ceiling Fascia per side
- 12' × 12' Snap: 3 Ceiling Fascia per side
- 15' × 15' Snap: 4 Ceiling Fascia per side

2. Position Ceiling Fascia

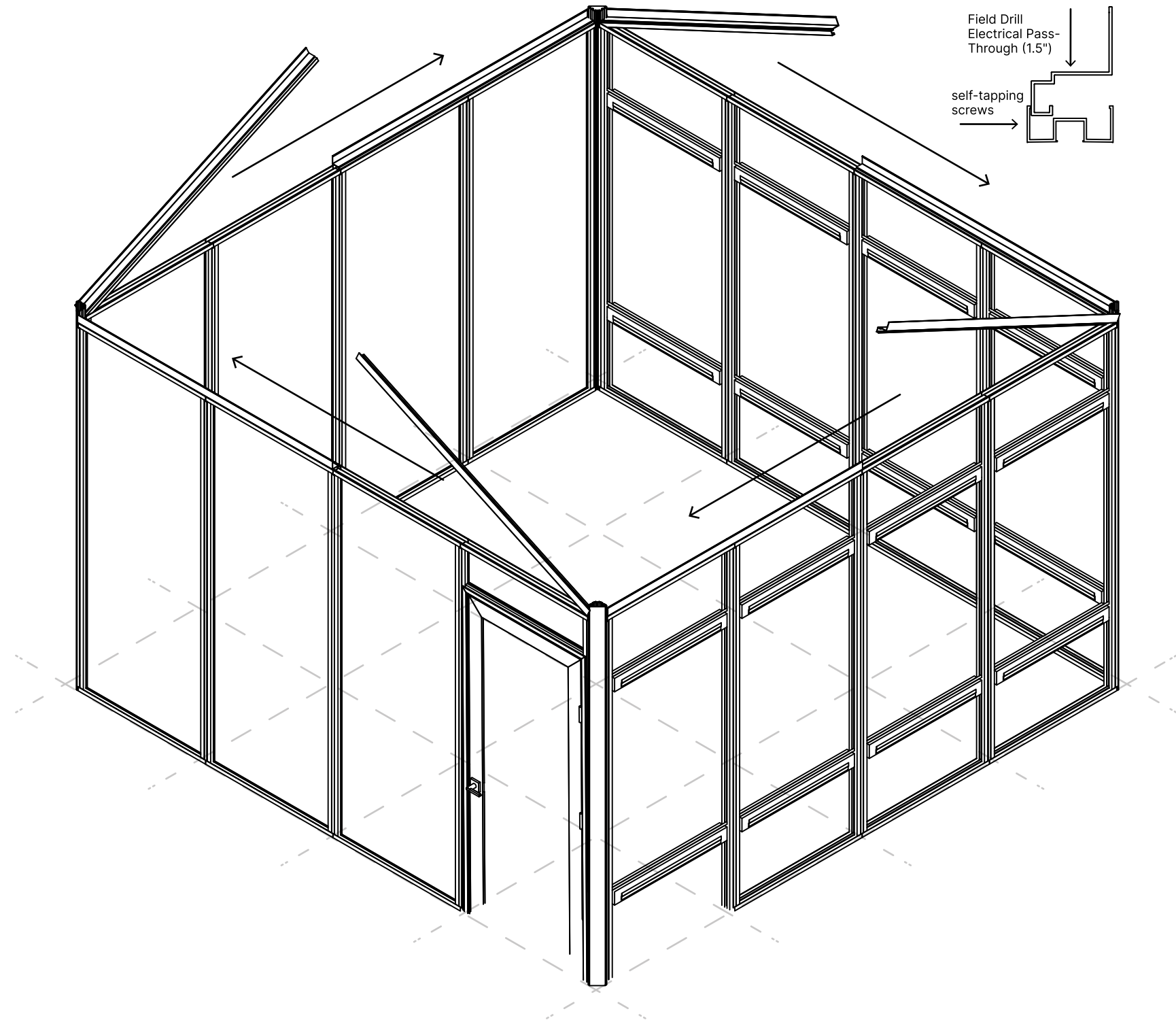
- Place fascia into the top channel of the Wall Modules.
- Orient with taller vertical leg facing exterior.
- Align sections flush at joints along each wall run.

3. Secure Ceiling Fascia

- Fasten fascia to frame using self-tapping screws.
- Install screws at consistent intervals.
- Confirm fascia is fully seated and level.

4. Prepare Electrical Pass-Through, If Required

- Identify Overlay Wall Modules receiving electrical components.
- Measure 5–7 in. from fascia edge.
- Using a 38 mm (1.5") hole saw, drill through the Ceiling Fascia and horizontal frame member.
- Remove cuttings and smooth edges.
- Route electrical wiring through opening.



Field Note: Ensure drilled edges are smooth so wiring insulation is not damaged.

F. Install Interior Overlay Panels

1. Prepare for Panel Installation

- Confirm ceiling fascia installation and electrical pass-through drilling are complete before hanging panels.
- Verify Overlay Wall Modules are secured and plumb.
- Identify panels requiring outlet, switch, or control cutouts.

2. Hang First Overlay Panel

- Use suction cups to lift and position panel.
- Align panel Z-clips with beam Z-clips.
- Lower vertically until fully seated.

3. Confirm Panel Fit

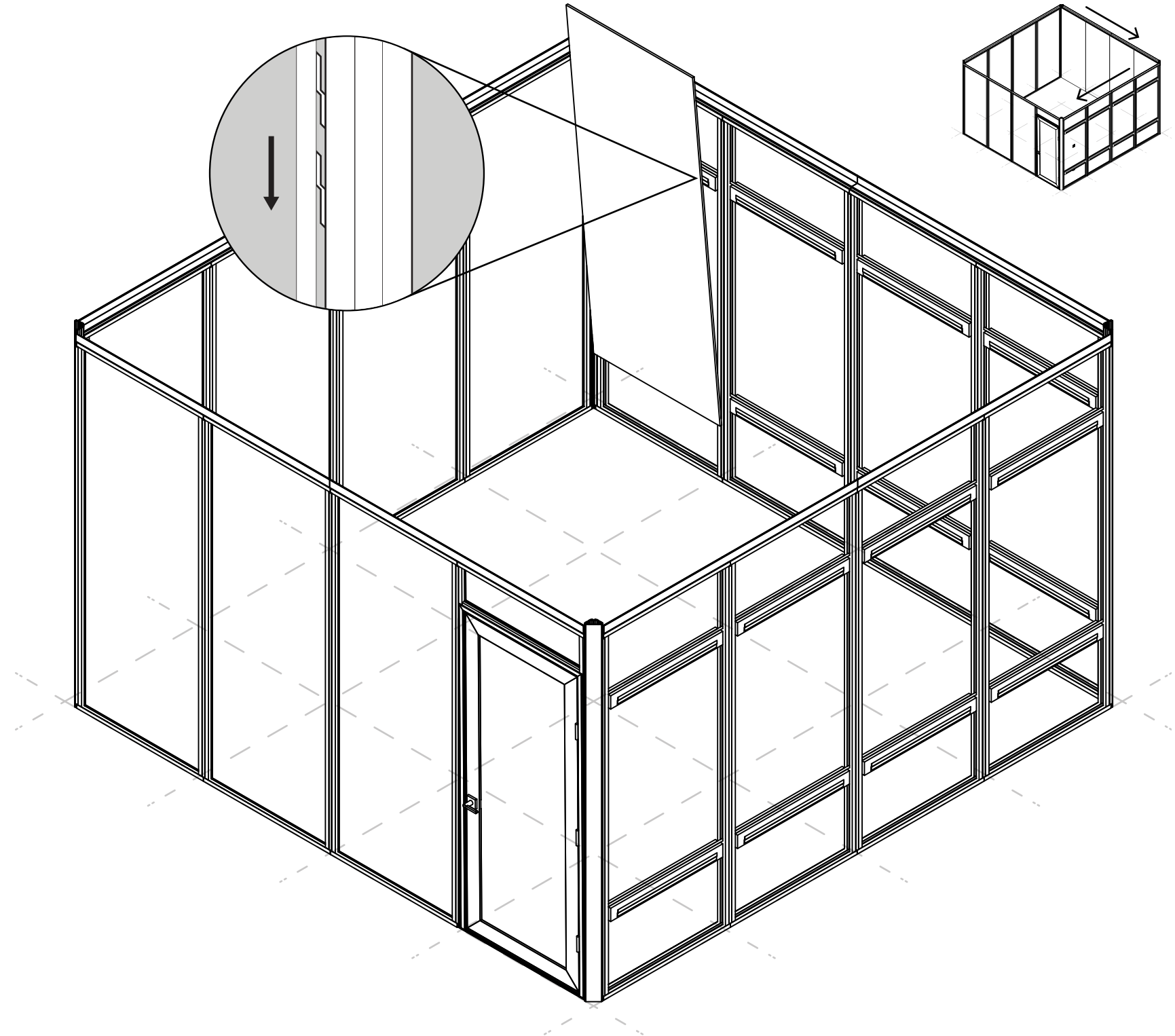
- Verify panel sits flush with no gaps.
- Confirm correct orientation.

4. Continue Panel Installation

- Repeat across wall run per approved drawings.
- Install cutout panels only on Overlay Wall Modules receiving matching electrical components. Confirm alignment between electrical devices, field-drilled pass-throughs, and panel cutouts.

5. Install Wall Electrical Components (If Applicable)

- Before hanging remaining panels, install all required electrical devices within Overlay Wall Modules.
- Confirm alignment between electrical devices, field-drilled pass-throughs, and panel cutouts.
- Refer to the Electrical Installation Guide.



Field Note - Sprinkler Accommodation: If sprinkler accommodation is required, stop before installing Ceiling Panels. Confirm sprinkler locations, openings, and clearances have been reviewed by the project team and licensed fire protection contractor. Do not modify Snap ceiling components unless shown in approved project documents and performed by the approved trade.

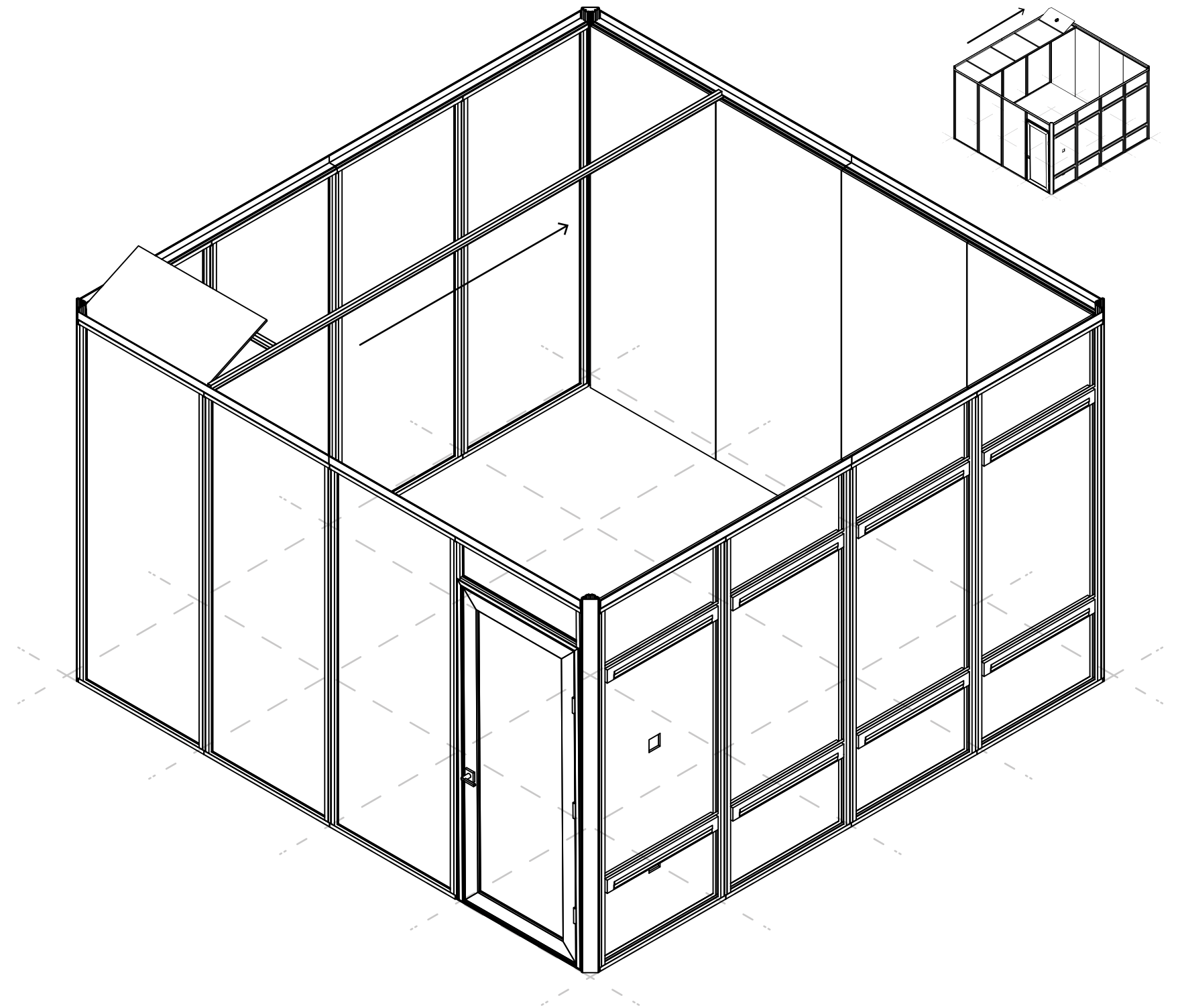
G. Begin Ceiling Installation

- 1. Install Long Ceiling Beam**
 - Span Long Ceiling Beam across the short dimension.
 - Seat on Ceiling Fascia and align above wall module connections.

- 2. Install Short Ceiling Beam**
 - Install perpendicular from Wall Module to Long Beam.
 - Center on each Wall Module.
 - Do not fasten until grid alignment is verified.

- 3. Install First Ceiling Panel**
 - Place panel in corner grid opening.
 - Adjust beams until all panel edges are supported and panel sits flat.

- 4. Continue Ceiling Grid**
 - Continue Short Beams and panels in the first column.
 - Verify full support before expanding grid.



H. Complete Ceiling & Exterior Panels

1. Secure Ceiling Grid

- Confirm all Ceiling Panels are installed.
- Fasten Long and Short Ceiling Beams per specification.
- Verify grid is aligned and fully supported.

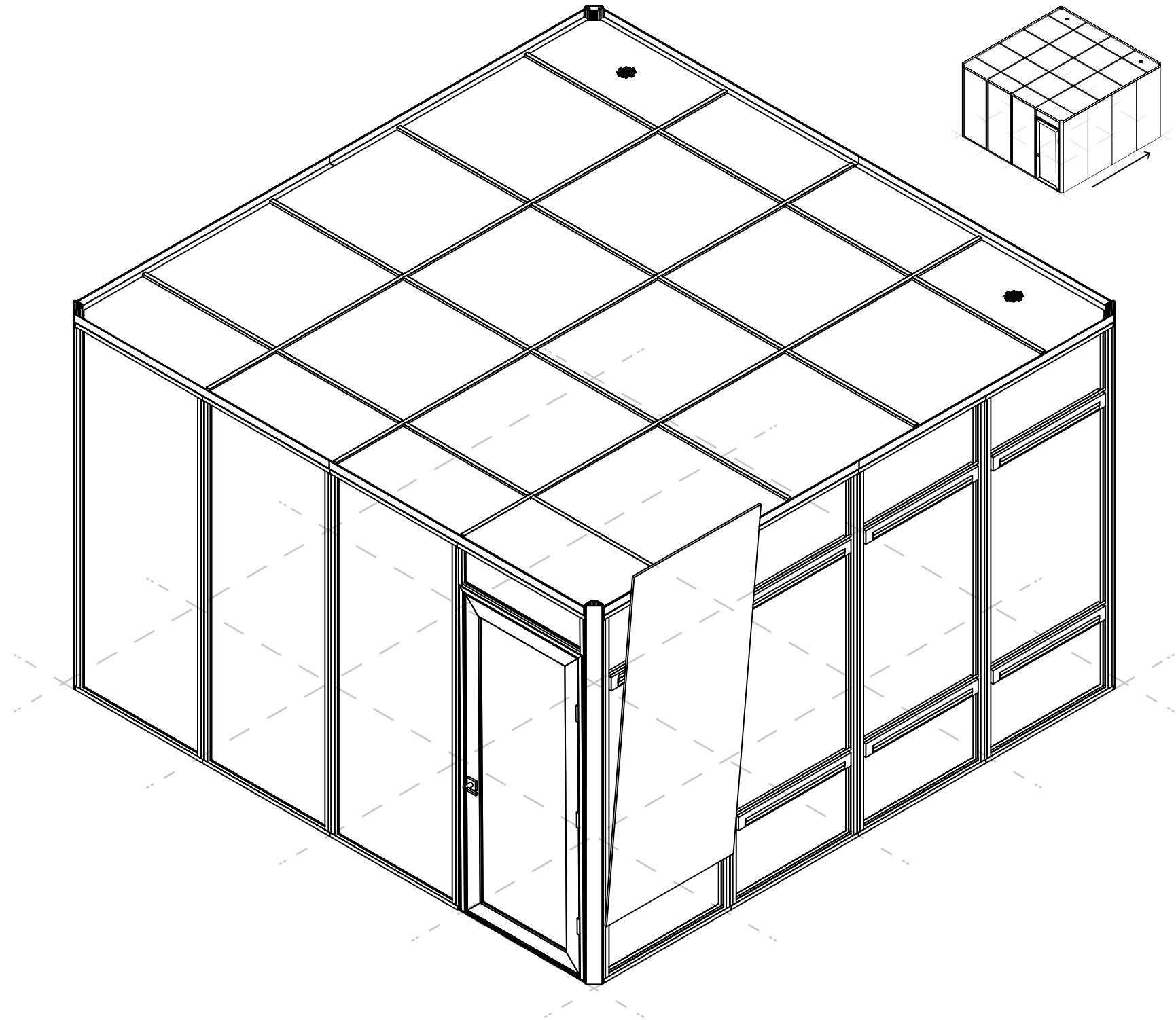
2. Complete Electrical Connections

- Make all required electrical connections between wall modules and ceiling.
- Confirm wiring is routed through approved pathways and field-drilled pass-throughs per project drawings.
- Do not proceed until electrical components are fully installed.

- Refer to the Electrical Installation Guide for all wiring and device procedures.

3. Install Exterior Overlay Panels

- Begin hanging Overlay Panels on all exterior Overlay Wall Modules.
- Align Z-clips and lower panels into place.
- Confirm panels seat fully and sit flush.



I. Completion Checklist

Final Verification

1. Alignment and Geometry
 - Confirm all walls are plumb and level.
 - Check corners for true 90° angles.
 - Verify ceiling spans align directly above wall modules.

2. Connection Integrity
 - Ensure all Snap Joining Strips are fully seated and flush with module tops.
 - Confirm floor tracks are tight and free of gaps.
 - Inspect all visible seams for uniform closure.

3. Electrical / Trade Coordination
 - Test outlets and switches in Overlay Wall Modules.
 - Verify wiring is concealed and strain-free.
 - Label circuits per electrical plan.
 - If sprinkler accommodation was required, verify no unauthorized ceiling modifications were made.

4. Door Operation
 - Confirm smooth swing and proper latch engagement.
 - Adjust hinges or strike alignment if needed.
 - Check clearances along the floor and frame.

5. Surface and Finish
 - Wipe all surfaces free of dust, fingerprints, and debris.
 - Verify no scratches or visible damage to panels or frames.
 - Remove protective film if applied.

