

### OVERVIEW

Specialty panels are nominal 6 feet in length, 18 inches in width, and 5/8 inches in thickness. Each panel is ship-lapped on all 4 edges. The edges on the short sides (18") will have to be cut off. Nichiha's unique construction and installation method using original patented accessories (panel clip, starter and joint flashing) create a pocket of air between the panel and substrate that reduces moisture build-up – minimizing any potential moisture damage to the substrate.

All Vertical Panels are factory-finished and are backed by our 50-year limited product warranty\* and 15-year limited finish warranty\*. Panels must not span over two floors. Flashing and Starter Track will be required at each floor line and a new course will begin.

### INSTALLATION

#### 1. Site Preparation

- Specialty panels can be installed over wood or metal framing. Plywood should be secured to building framing in compliance with best practices and local building codes. **7/16" or thicker APA rated OSB or Plywood Sheathing must be used.**
- An approved weather resistive barrier (WRB) as defined by the 2006 IRC. Refer to local building code is required.
- All openings must have appropriate flashing to prevent moisture penetration. Follow WRB manufacturer's guidelines and all local building codes.

#### 2. Fasteners

- Corrosion resistant, coarse-thread or similar type screws are required for attachment to wood. **Do not use nails.**
- Stainless steel or hot-dipped galvanized screws are recommended. Comply with all local building codes for fastener requirements.
- Accessories should be attached into building wood or metal framing whenever possible.
- Appropriate wood or metal fasteners are required in compliance with local building codes.

#### 3. Required Special Accessories

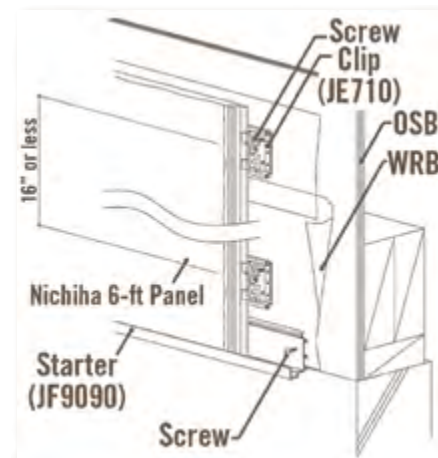
	Required accessories
Starter Piece	JF9090
Horizontal Joint Flashing	JF8090
Panel Clip	JE710
Single Flange Sealant Backer	FHK1017

#### 4. Installation Details - Transition from wainscot, other material or foundation.

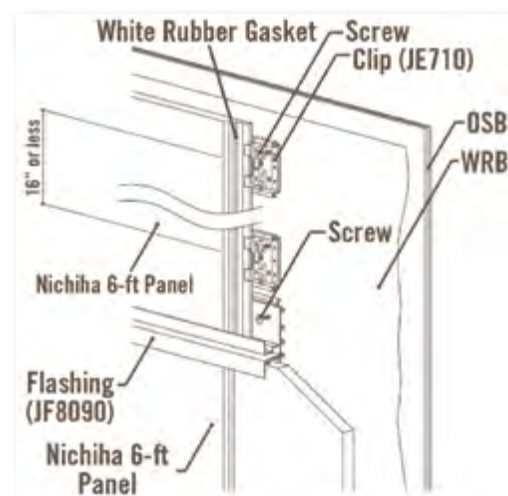
- The ship-lap edges on the short sides (18"-side) must be cut off.
- The starter must be level and applied a minimum of 6" above soil grade and 2" above hard surfaces, or per local building codes.
- Starter JF9090 should be secured with screws at every 9" into sill plate or studs. Set panels in place and secure with panel clips.
- Install the Horizontal Joint Flashing (JF8090) above the top edge of the bottom course of panels.

#### General Panel Installation

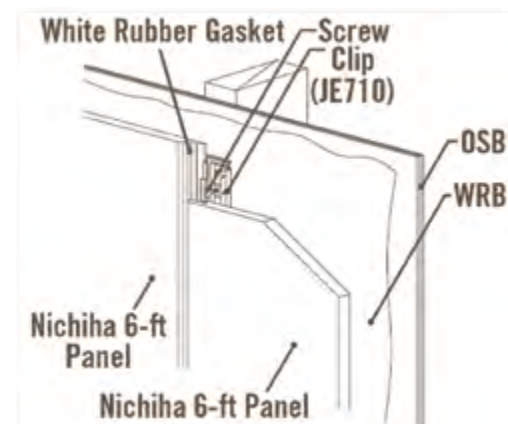
- Panels are installed from left to right, beginning from a wall end (outside or inside corner, or transition joint between other products). The first left (long-side) that does not feature rubber gasket ship-lapped edge should be cut off to secure against single flange sealant backer (FHK1017). The right side of the panel must have the rubber gasket for proper seal.
- Place the panel on the starter and secure with clips (JE710) fastened at 16" o.c., vertically.



Starter Detail



Horizontal Joint Detail



Clip Attachment Detail

# Vertical Panel Installation Guide

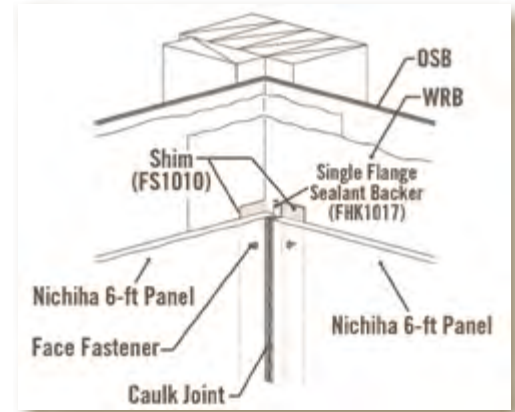
## 6-ft Panel

10mm  
rainscreen  
depth

- A rubber mallet or block of wood may be used to seat panels firmly in place and tighten together on vertical panel joints. Do not hammer directly on the panels as direct contact may cause cracks, gouges, or chipping.

### Inside Corner

- Predetermine which wall will include the single flange sealant backer (FHK1017). Consider the location to minimize the visual of the sealant line.
- Install the panel on the front wall first, making sure it is tight against the corner.
- Fasten the single-flange sealant backer (FHK1017) onto the adjoining side wall in moderate contact with the installed panel's edge at 12"-16" o.c. Fasten panel by pre-drilling and face-fastening through a green shim (FS1010), 1" from panel edge at 12"-16" o.c.
- Place a green shim (FS1010) butted tight up against the single flange sealant backer.
- Install side wall panel right up to the sealant backer and secure with face fasteners.
- Fill the gap between the panels with a sealant which complies with ASTM C-920 standard.



Inside Corner Detail

### Caulking/Sealing

- Refer to the sealant manufacturer's instructions or requirements.
- Place masking or painter's tape over the panel along the joints for a clean caulk line.
- Before removing tape, press the surface of the sealant with a caulk spatula or similar tool to ensure an even surface. Remove masking tape before sealant cures.
- If excess sealant adheres to panel, remove completely using a putty knife or soft cloth.

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