This bulletin serves as an addendum to Nichiha’s AWP-1818, AWP-3030 Horizontal, and AWP-3030 Vertical Install Guides for projects in Canada utilizing traditional installation hardware. The installation guides cover general, universal information, procedures, and requirements for Nichiha Architectural Wall Panels, regardless of installation hardware. This bulletin provides guidance only for what is different when using the hardware listed below. The full guides are primary and this document serves merely as a supplement to them when JE710/720 Panel Clips are used instead of Ultimate Clips (JEL777/787). Reference the full installation guides in conjunction with this bulletin.

Traditional Installation Hardware
1. Starter Track
   a. Horizontal AWP: FA150B (5mm) - Pair with FS1005 5mm Spacer
   b. Vertical AWP (AWP-3030 only): FA710T (10mm)

2. Panel Clips
   a. JE710 (10mm) for 16mm-thick AWP
   b. JE720 (10mm) for 18, 21mm-thick AWP

3. Long Joint Clips
   a. JEL552 (10mm) for 16mm-thick AWP
   b. JEL652 (10mm) for 18, 21mm-thick AWP

Installation Accessories - These items are also used with the Ultimate Clip and Starter Track hardware. Refer to Pages 8 and 9 of the AWP-1818 Install Guide.

1. Corrugated Spacer
   a. FS1005 - 5mm shim
   b. FS1010 - 10mm shim

2. Single Flange Sealant Backer - FHK 1015

3. Double Flange Sealant Backer - FH 1015

4. Metal Trim
   a. Tamlyn: Corner Key, Open Outside Corner, H-Mold, J-Mold
   b. Nichiha Essential Flashing System: Starter, Compression Joint, Overhang

5. Finish Clip JE310 (5mm)
   a. Pair with FS1005 5mm Spacer
AWP-1818 and AWP-3030 Horizontal: FA150B Starter Track Installation

The Horizontal Starter Track (FA150B) must be level and attached at a minimum of 153mm (6”) above finished soil grade or per local building codes (use a laser level to verify). When installing over a hard surface such as driveways or sidewalks, a 51mm (2”) clearance is acceptable. **FA150B is a 5mm rainscreen piece and must be shimmed with FS1005 5mm Corrugated Spacer.**

Essential Starter Flashing may be installed prior to the Starter Track to conceal the clearance gap above hardscape and decking. Beginning with outside and inside corner segments, fasten Flashing at each stud location or every 254mm (10”) o.c. to sill plate. Fasten Flashing inside and outside corner segments to framing on both sides, keeping at least 26mm (1”) from vertical edges. Main segments will slide into/overlap the corner segments. The AWP bottom face edge will extend 19mm (¾”) below the Starter Track. Position Flashing and/or Starter Track to leave 7mm (1/4”) clearance between the panel edge and Flashing.

The Starter Track must be installed using corrosion resistant fasteners. Locate and mark the studs. Install FS1005 first, followed by FA150B Starter Track.

**WOOD & METAL STUDS OR FURRING**
Starter Track must be secured at every stud at a max. of 405mm (16”) o.c.

**CONCRETE/MASONRY**
When installing over concrete construction, the wall must be furred out with pressure treated lumber or metal hat channel. Starter Track must be secured at each furring location (max. 405mm (16”) o.c.).

**STRUCTURAL INSULATING PANELS (SIP)**
Secure Starter Track every 405mm (16”) o.c. max.
AWP-1818 and AWP-3030 Horizontal: Panel Installation with JE710/720 Panel Clips and JEL552/652 Long Joint Clips

AWP installation proceeds by working from left to right.

Applications over Wood or Metal Framing, Concrete/Masonry with Furring

For AWP-1818, cut off the left side ship-lapped edge so the panel will fit tightly against an already installed Double or Single Flange Sealant Backer or outside corner trim. If starting at an inside corner, predetermine which wall will include the Single Flange Sealant Backer for an inside corner detail.

AWP-1818: Set the first panel on the Starter Track and secure the top edge with a Panel Clip, placing the first clip to fasten into corner framing, as close to the panel edge as possible. Next, Fasten a Panel Clip at each stud location (max. 405mm (16”) o.c.).

Add the second panel on the Starter Track and a Long Joint Clip at the vertical joint between the panels. Fasten the Long Joint Clip to the right of the joint at the stud locations the clip reaches. Add Panel Clips at the remaining studs for the second panel. Repeat these steps for each new panel.

For the next course(s), when installing AWP-1818 in a staggered or running bond layout, add a Panel Clip at the bottom of each vertical joint. This serves as a Stabilizer Clip for the bottom portion of the vertical joint. In a Stacked Bond Layout, the Long Joint Clip secures both top and bottom corners. See elevation Details One and Two below.

AWP-3030: Long Joint Clips are not utilized, only Panel Clips at each stud or furring member. Each vertical joint must be a continuous Double Flange Sealant Backer Joint or H-Mold Trim joint. AWP-3030 may only be installed in a stacked bond application. No staggering is acceptable. Sealant Backers and vertical trim accessories must be fastened to wood sheathing or the framing/blocking/furring, vertically every 305-356mm (12-14”). Refer to pages 16-17 of the AWP-3030 Horizontal Install Guide.

Refer to Nichiha.com/resources for the latest installation guides and technical bulletins as such information is subject to change.

Nichiha USA 6465 East Johns Crossing, Suite 250, Johns Creek, GA 30097     Issue Date: 1/5/2018
AWP-1818 and AWP-3030 Horizontal: Nichiha Outside Corners

For the installation of Nichiha factory outside Corners with JE710 or JE720 clips, the sequence is the same as described in the install guides where cut Ultimate Clip segments are utilized.

See pages 22 and 23 of the AWP-1818 Install Guide.

Add the first Corner to the Starter Track and secure the top edge with one JE710 or JE720 Panel Clip as appropriate on each side of the Corner.

When reaching a Horizontal/Compression Joint or the top of the wall, cut the Corner to the appropriate height dimension. Install FS1010 10mm Corrugated Spacer and then face fasten the Corner on both sides, 26mm (1”) down from the cut edge. Ensure fasteners penetrate the framing by the minimum 26mm (1”) into wood or 13mm (1/2”) into minimum 18 gauge steel.

Next, Install Double Flange Sealant Backer on both sides of the Corner, fastening to structure or wood sheathing vertically, every 305-356mm (12-14”).

Where panels terminate to the Double Flange Sealant Backer, fasten a Panel Clip no more than 26mm (1”) from the panel edge.

Cut edges of panels must be coated with acrylic latex exterior grade paint.

Add sealant compliant with ASTM C920, Class 35 over all Sealant Backers.
AWP-3030 Vertical Installation with JE710 Panel Clips

Framing & Sheathing Requirements provided on page 5 of the AWP-3030 Vertical Install Guide hold true when installing with JE710 Panel Clips. The primary method is to rely on minimum 11.5mm (7/16”) thick APA-rated OSB or plywood sheathing for securing the Panel Clips.

Begin with installation of the Vertical Starter Track (FA710T). This process is identical to that of the full installation guide for vertical AWP-3030. Refer to page 11. Since it is a 10mm rainscreen piece, the Vertical Starter Track does not need the FS1005 Spacer.

Refer to pages 16-18 of the vertical install guide. The general procedure is the same with JE710 Panel Clips substituting for Ultimate Clips.

The first panel’s terminating edge is cut and face fastened through 10mm Spacer as described.

Add JE710 Panel Clips to the vertical panel shiplapped edges, with the first clip no more than 1” above the Vertical Starter Track. Add additional clips every 305-405mm (12-16”) with the last clip no further than 26mm (1”) down from the top edge of the panels.

Cover over the top edge of the first course with Z-flashing if there are to be additional courses. For second and subsequent courses, add the Vertical Starter Track at least 13mm (1/2”) above the flashing and continue the installation in the same way.

Do not span floor lines with vertical panels.