AWP-1818:
- Begin with Starter Track
- 2.5 Ultimate Clips per full-width edge
- Fasten at each stud
- Joint Tab Attachments required
- Stacked or Staggered Layouts
- Vertical Joints: ship-lapped edges
- Vertical Control/Expansion Joints for walls wider than 30 feet: Place 2'-12' from outside corners w/ metal trim and every ~30'
- Horizontal/Compression Joints @ floor lines of multistory structures

AWP-3030:
- Begin with Starter Track
- 4 Ultimate Clips per full-width edge
- Fasten at each stud
- Stacked Layout only (no staggering)
- Vertical Joints: Continuous Double Flange Sealant Backer w/ caulk, or H-Mold trim (Do not butt panel edges.)
- Horizontal/Compression Joints @ floor lines of multistory structures

FACTORY CORNERS:
- 3-1/2” Face Returns
- Secure w/ Corner Clips
- Vertical Joints: Double Flange Sealant Backers w/ caulk
- Compression Joints: Min. 1/2” horizontal break between Corners. Continue/wrap compression joint flashing around the outside corner

*Image numbers correspond to pages in the AWP Horizontal Installation Guide.
Welcome to the Nichiha Installer Atlas for Architectural Wall Panels (AWP) installed horizontally. This quick reference is intended as a reminder for the most essential aspects of AWP installation. Please refer to and study the full *AWP: Horizontal Installation Guide* for complete information prior to and during the installation process. Page numbers of the corresponding portion(s) are indicated with each image.

**Parapets & Soffits:**
Face fasten 1” down from panel top edge through 10mm Spacer

**Inside Corners:**
Butt line-of-sight panels to corner. On opposite wall, add Single Flange Sealant Backer and caulk.

**Horizontal/Compression Joints:**
Add Compression Joint Flashing* at min. 1/2” breaks between courses at floor framing for multi-story applications.

**Joint Tab Attachments:**
With provided fasteners, Fasten Joint Tabs to Clips at the lower, right-hand corner of each AWP-1818.

**Window Sills:**
Face fasten 1” from cut edges with 10mm Spacer at framing/furring @16” o.c. (max).

* Nichiha aluminum trim & flashing finish options: Primed, clear anodized, Bark, Cedar, Glacier, Snow, Onyx, or custom color.
**Compression Joints & Metal Corners:**
Terminate Comp. Joint Flashing at metal corner trim*. Miter cut panel edges to insert fully into Corner Key trim.

**Vertical Control/Expansion Joints:**
Often aligned with window jambs, Double Flange Sealant Backers fasten to framing/furring, wood sheathing, or blocking. Add ASTM C920, Class 35 sealant.

**Window Heads & Jambs:** Flash above windows (no J-Mold) and keep AWP a min. 1/4” above flashing. Starter Track is best above large openings. Otherwise face fasten through Spacer at framing/furring.

**Overhangs:**
Essential Overhang Flashing returns back to the soffit. Add Starter Track at least 1” above the Overhang Flashing.

**Penetrations:**
Block out, treat like a small window. Add flashing over head trim (horizontal, flat surfaces). Along jambs, add Single Flange Sealant Backer and sealant.

**Min. Clearances**
Soil Grade: 6”
Hardscape: 2”
Decking: 2”
Roofs: 1”

**Framing & Sheathing:** Install Guide Page 5.
- 16” o.c. maximum vertical framing/furring
- 2x lumber or 18 gauge (min.) steel
- Min. 1/2” Gypsum, or 7/16” APA OSB or Plywood
- CMU/Block walls must have furring per guide.

**Continuous Insulation:** Install Guide Page 6.
- Direct installations of AWP limited to a max. thickness of 1” of min. 15 psi insulation. Thicker c.i. and mineral wool require a furring system per guide.

**Installation Hardware:** INSTALL GUIDE Page 10.
- FA700 Starter Track
- JEL778/788 Ultimate Clip II (JEL778 for all panels except CinderBlock, SandStone, and VintageBrick.)
- Joint Tab Attachments for AWP-1818

**Weather/Water Resistant Barriers:** INSTALL Guide Page 8. WRB required with stick-built assemblies.
STUFF YOU’LL NEED ON-SITE

TOOLS:
• Cordless Drill + bits, Cordless Impact + bits
• Chamfering Bit (Size according to screw head used for face fastening)
• Miscellaneous Drill Bits (Carbide Tip preferred)
• Corded Circular Saw with Fiber Cement Saw Blade – Attach saws to a vacuum with a HEPA filter per OSHA Regulation.
• Cordless Angle Grinder with Metal Cut Off Blade
• Cut Table with Protected Top
• Tape Measure • 6’ Level • Laser Level • Hammer • 12” – 2x4 blocks
• Tin Snips • Chalk Line • Speed Square • Framing Square / Straight Edge

MISCELLANEOUS ITEMS:
• Sealant - ASTM C920, Class 35 Compliant (see Install Guide page 19)
• MH Ready Patch
• Painters Tape
• Color Matched Exterior Acrylic Latex Paint
• Paint Brush (small, artist type for touch ups) • Microfiber Cloths • Rags
• Soft Bristle Industrial Brush • Dust Masks (N100, O100 or P100)

FASTENERS:
Clips / Extrusions
• #8 or #10 Exterior Grade, Corrosion-Resistant Pan, Wafer, or Hex Head Screws (DO NOT USE BUGLE HEADS with Clips and Starter Track) with length to penetrate wood stud/furring by min. 1” or metal stud/furring by min. 1/2”.

Face Fastening
• #7, #8 or #10 Exterior Grade Bugle Head Screws - Fully Threaded with length to penetrate wood studs by min. 1” or metal studs by min. 1/2”.

AWP-1818 & 3030 INSTALLATION GUIDES
Download our full installation guides to get the complete picture on our Architectural Wall Panels.
http://www.nichiha.com/resources/installation

INSTALL VIDEOS
Watch our installation instructions come to life — check out our installation videos today!
nichiha.com/commercial/install

SUPPORT
Our technical team is here to assist. If you have questions, comments or concerns, call or email us.
1.866.424.4421 or technicallservices@nichiha.com