



Technical Review & Special Applications Form (SAF) #10238

Prior to any action, a completed SAF is required for projects of 3 or more stories or greater than 45 feet, or those not matching Nichiha's prescribed installation standards. Evaluation will begin once form (.doc) is completed and submitted with project elevations (.pdf) and wall details (.pdf).

Date: **10/20/2017**

Project Address: **35 Middle & 50 India Street,
Portland, Maine 04101**

Contact Name: **Deirdre Pio**

Estimated Install Start Date:

Project Name: **cPort Credit Union Mixed Use**

Construction Document Set: **09.29.17 – Issued for
Construction**

[Please return completed SAF within 14 days of receiving it.](#)

Please read the following statements:

- Please read through the applicable install guide(s) and notify Nichiha Technical of any building designs that do not meet our standard installation requirements.
 - Project specs/designs listed within this form are what are reviewed for approval. Any changes to the specs/design will require re-submittal.
 - Any additional cost incurred because of design changes due to this form is not Nichiha responsibility.
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Pg. 2 – General Project Information

Pg. 3 – Construction Assembly & Wind Pressure Data

Pg. 4 – Notes & Additional Requirements

Attachments:

- Please attach ELEVATIONS and relevant DETAILS
- WIND DATA/Engineer's Structural Notes (examples provided)

General project information

Architecture or Engineering Firm: Gawron Turgeon Architects	
Contact Name: Deirdre Pio	
Phone: 207-833-6307	Email: dpio@gawronturgeon.com
Address: 29 Black Point Road, Scarborough, Maine 04074	
G.C. or Installer: Landry/French Construction – Construction Manager	

Structural Engineering Firm: Allied Engineering	
Contact: William Faucher	
Phone: 207-221-2260	Email: wfaucher@allied-eng.com
Address: 160 Veranda St., Portland, ME 04103	

Product Name: AWP1818-Architectural Block
Product/Panel Orientation (Horizontal? Vertical?): Horizontal-Stacked
Estimated Volume:

Occupancy Type (Multifamily, office, hospital, etc.): Office/Bank	
Height – Building Maximum: 57' 11-3/4"	Height – Max of Wall Installed: 57' 11-3/4"
Code Design (Highlight/Check One): IRC/IBC 2009	

Framing Construction Information *(Fill out all that apply in areas with Nichiha Product)*

Wood / Steel Frame

Stud type, size, gauge: 6" Metal Stud, MFG Requirement 18ga	Stud Spacing: 16" o.c.
Sheathing type: CDX Sheathing DensGlass	Sheathing thickness: 5/8"

Concrete Wall Construction

Furring type and dimension / gauge:	Furring Spacing:
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SIP

Manufacturer:	Dimensions:
Sheathing type:	Sheathing thickness:

Pre-engineered Metal Building

Manufacturer:	Metal Panel Type, pattern:
Panel Gauge:	Ridge Spacing:
Girt Spacing-horizontal:	
Design lateral deflection (L/XXX):	

Continuous Insulation (if applicable)

Continuous Insulation Type: Polyisocyanurate Insulation	Thickness: 2"
Structural add-on description: Exterior Sheathing over Polyiso – Fasteners/fastening schedule for sheathing should be designed by engineering to support our dead load of ~4psf	

Wind Pressure Data

Exterior Wall Wind Loads – Components and Cladding

Basic Wind Speed: 100 MPH	Exposure Category: D
Design Pressure Zone 4 Region: 32.6/-35.3 psf (Allowable)	
Design Pressure Zone 5 Region: 32.6/-43.6 psf (Allowable)	

ASCE 7-05 Design Loads, End Zone Width: 4.5'

Notes/Requirements – For Nichiha Technical Staff use:

1. Nichiha AWP may be installed directly over up to one inch of foam plastic insulation such as polyiso or EPS over wood or gypsum sheathing. Insulation compressive strength of 25 psi or greater is strongly recommended. [Nichiha Technical Bulletin](#)
2. For metal framing projects of three stories or 45', a joint is required at approx. every 25' per [AWP1818](#) installation guide requirements.
3. A 1/4" clearance is required from the bottom of panel edges to flashing
4. Please see pg. 25 of [AWP1818](#) installation guide regarding vertical control/expansion joints, which are required within 2-10' of metal trim corners and approximately every 30' thereafter. Where Nichiha Corners are used, the 2-10 rule is satisfied, but still require expansion joints roughly every 30' beyond the corner joint.
5. The ultimate Horizontal Starter Track must be level and attached at a minimum of 6" above finished soil grade, 2" clearance over hard surfaces and 1" at roof lines.
6. Use 2-1/2 Ultimate Clips (SKU - JEL777) per full panel and included joint tab attachments per [AWP1818](#) installation guide requirements.

Originator's notes not included in section parameters:

Approval date: 11/20/2017

Conditions (if any): Framing 18ga

Technical guidance provided herein by Nichiha is for engineering evaluation purposes of individual projects. Always consult and comply with local building code and appropriate Nichiha installation guide.

*** Submission of Technical Review does not mean approval of installation/project ***

[Note: The SAF is not intended to serve as a substitute for the installation guides.]