MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Nichiha USA, Inc.
6465 E. Johns Crossing, Suite 250
Johns Creek, GA 30097

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Architectural Wall Panels Fiber Cement Siding

APPROVAL DOCUMENT: Drawing No. **PEI20180917**, titled "Architectural Wall Panel Fiber Cement Siding", sheets 1 thru 6 of 6, dated 09/26/2018, prepared by Nichiha USA, Inc, signed and sealed by Carl D. Fussner, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series and following statements: "ASTM C1186, Type A compliant" and "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 21-0312.11** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5 as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY APPROVED

Ishaq I. Chanda

NOA No. 22-0427.05
Expiration Date: June 1, 2027
Approval Date: May 19, 2022

Nichiha USA, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 16-0404.18

A. DRAWINGS

1. Drawing No. **PEI20161490**, titled "Architectural Wall Panel Fiber Cement Siding", sheets 1 thru 3 of 3, dated 04/04/2017, prepared by Nichiha USA, Inc, signed and sealed by Carl D. Fussner, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Nichiha Fiber Cement Series EX 10mm and EX 15mm Rain Screen Cladding Systems, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **7138**, dated 10/04/2013, signed and sealed by Idalmis Ortega, P.E.

2. Test report on Standard Specification for Flat Non-Asbestos Fiber-Cement Sheets of Nichiha Fiber Cement Architectural Wall Panels, per ASTM C1186-08, prepared by PEI Engineering Services Inc., Test Report No. **2015-475**, dated 10/06/2015, signed and sealed by Carl D. Fussner, P.E.

3. Test report on Surface Burning Characteristics of Nichiha Fiber Cement Panels, per ASTM E84-15a, prepared by Commercial Testing Company, Test Reports No. **15-09072** thru **15-09075**, all dated 09/04/2015, signed and sealed by Deuane Jackson.

"Submitted under NOA # 15-1102.14"

4. Test report on Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C of Nichiha M series unprimed cementitious, per ASTM E136-99, prepared by Intertek Testing Services NA LTD, Test Report No. **3105885COQ-002**, dated 10/26/2006, with a revision dated 03/30/2009, signed and sealed by Rick Curkeet, P.E.

C. CALCULATIONS

1. Nichiha architectural wall panel clip fastening capacity prepared by PEI Engineering Services Inc., Inc., dated 02/11/2017, signed and sealed by Carl D. Fussner, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0427.05
Expiration Date: June 1, 2027
Approval Date: May 19, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by PEI Engineering Services, Inc, dated 03/17/2016, signed and sealed by Carl D. Fussner, P.E.

2. Statement letter of no financial interest issued by PEI Engineering Services Inc., Inc., dated 03/17/2016, signed and sealed by Carl D. Fussner, P.E.

3. Distributor agreement dated 02/08/2017.

2. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **PEI20161490**, titled "Architectural Wall Panel Fiber Cement Siding", sheets 1 thru 3 of 3, dated 04/04/2017, prepared by Nichiha USA, Inc, signed and sealed by Carl D. Fussner, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Nichiha Fiber Cement Series EX, AWP 1818 and AWP 3030 Horizontal Architectural Wall Panels, prepared by Intertek, Test Report No. **H7494.01-550-18R1**, dated 01/04/2018, with revision dated 12/03/2018, signed and sealed by Gary T. Hartman, P.E.

2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Nichiha Fiber Cement Series EX, AWP 3030 Vertical Architectural Wall Panels, prepared by Intertek, Test Report No. **H7494.02-550-18R1**, dated 01/04/2018, with revision dated 12/03/2018, signed and sealed by Gary T. Hartman, P.E.

C. CALCULATIONS

1. Nichiha architectural wall panel clip fastening capacity prepared by PEI Engineering Services Inc., Inc., dated 09/27/2018, signed and sealed by Carl D. Fussner, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0427.05
Expiration Date: June 1, 2027
Approval Date: May 19, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approval (continue):

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by PEI Engineering Services, Inc, dated 02/22/2018, signed and sealed by Carl D. Fussner, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0427.05
Expiration Date: June 1, 2027
Approval Date: May 19, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **PEI20180917**, titled "Architectural Wall Panel Fiber Cement Siding", sheets 1 thru 6 of 6, dated 09/26/2018, prepared by Nichiha USA, Inc, signed and sealed by Carl D. Fussner, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) FBC issued by PEI Engineering Services, Inc, dated 03/04/2021, signed and sealed by Carl D. Fussner, P.E.

G. OTHER

1. This NOA **revises** NOA #**18-0522.05**, expiring on 06/01/22.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0427.05
Expiration Date: June 1, 2027
Approval Date: May 19, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence submitted

A. DRAWINGS (submitted under previous approval)

1. Drawing No. **PEI20180917**, titled "Architectural Wall Panel Fiber Cement Siding", sheets 1 thru 6 of 6, dated 09/26/2018, prepared by Nichiha USA, Inc, signed and sealed by Carl D. Fussner, P.E**.**

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS (submitted under previous approval**)**

1. Statement letter of code conformance to the 7th edition (2020) FBC issued by PEI Engineering Services, Inc, dated 03/04/2021, signed and sealed by Carl D. Fussner, P.E.

2. Statement letter request for Renewal with No change, dated 04/26/22 issued by Nichiha, signed by Chris Bowness, P.E.

G. OTHER

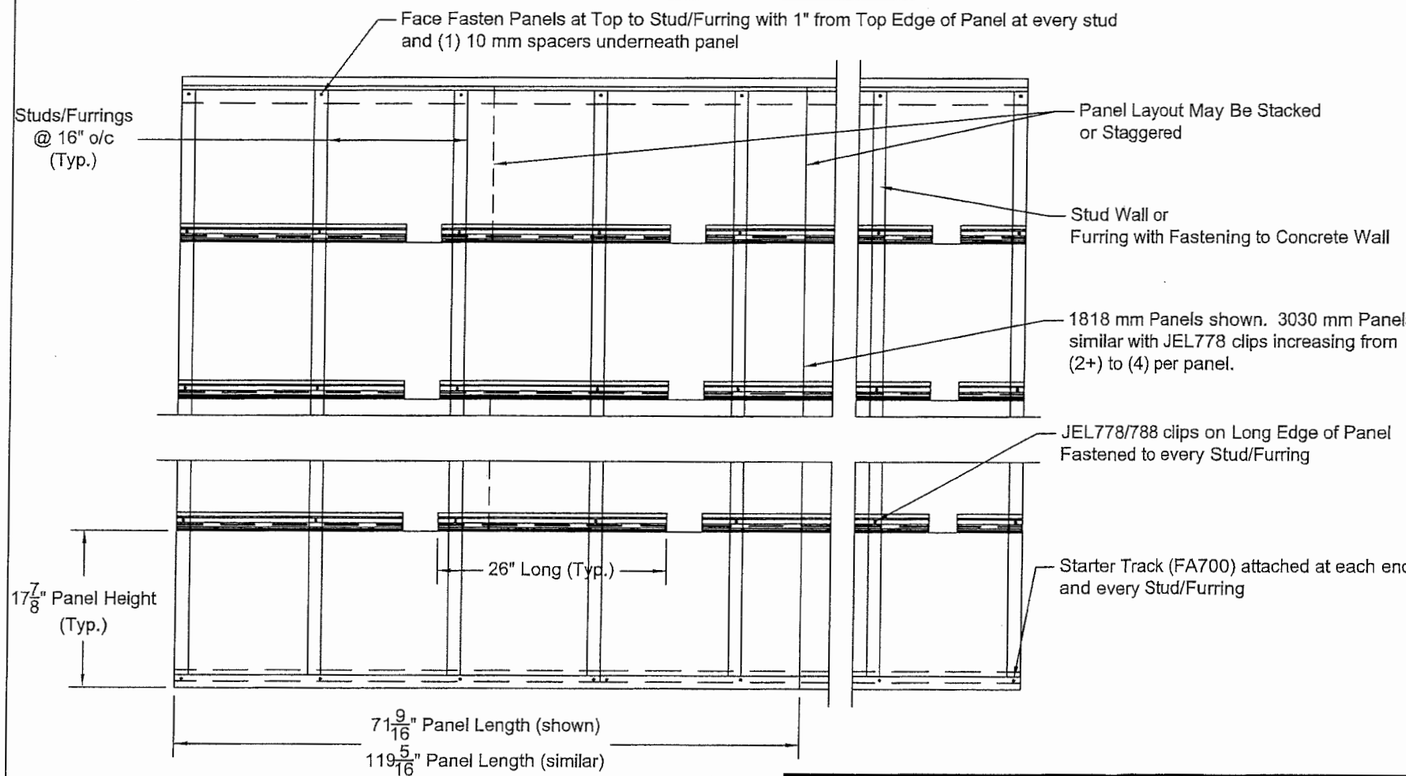
1. This NOA **renews** NOA #**21-0312.11**, expiring on 06/01/27.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0427.05
Expiration Date: June 1, 2027
Approval Date: May 19, 2022

Horizontal Panels

Fastening/Anchoring				
	18 GA Steel Stud	Wood Stud	Wood Furring	18 GA Steel Furring
Design Pressure	95 psf	95 psf	95 psf	95 psf
Face Fastening 1" from top edge of panel 5/8" Panel 3/4" Panel 7/8" Panel	#8 Sheet Metal Screws 2.5" Long 2.5" Long 2.5" Long	#8 Wood Screws 2.5" Long 2.5" Long 2.5" Long	#8 Wood Screws 2" Long 2.5" Long 2.5" Long	#8 Sheet Metal Screws 1.5" Long 1.75" Long 1.75" Long
Fastening for JEL778/ 788	#10x1.5" Long Panhead Screws	#10x1.5" Long Panhead Screws	#10x1.5" Long Panhead Screws	(2) #10x0.75" Long Sheet Metal Screws
Fastening for FA700	#10x1.5" Long Panhead Screws	#10x1.5" Long Panhead Screws	#10x1.5" Long Panhead Screws	#10x0.75" Long Sheet Metal Screws
Anchoring for Furring to Concrete Light-Weight CMU Medium-Weight CMU 2000 psi Concrete	-	-	ITW Buildex 3/16" dia Tapcon 1" Embedment (1) at 4" o/c (1) at 6" o/c (1) at 11.5" o/c	ITW Buildex 3/16" dia Tapcon 1" Embedment (2) at 9.5" o/c (2) at 12.5" o/c (2) at 20.5" o/c



PRODUCT RENEWED
as complying with the Florida Building Code
NOA–No. 22–0427.05
Expiration Date 06/01/2027
By Ishaq I. Chanda
Miami–Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0312.11
Expiration Date 06/01/2022
By Ishaq I. Chanda
Miami–Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 18-0522.05
Expiration Date 06/01/2022
By
Miami–Dade Product Control

DESCRIPTION and SPECIFICATION Nichiha Architectural Wall Panel material is a non-asbestos fiber cement product tested in accordance with ASTM C-1185 meeting the requirements of the Florida Building Code (HVHZ). Panels are available in a variety of thicknesses for the exposed surface dimensions specified below.

Panel Dimensions			
Width	Length	Thickness	Weight (max)
17 7/8"	71 9/16" or 119 5/16"	5/8" or 3/4" or 7/8"	5.4 psf
455 mm	1818 mm or 3030 mm	16 or 18 or 21 mm	26.4 kg/m²

Design Pressure Rating **-95 psf**

LIMITATIONS

1. All installation shall be done in accordance with this Notice of Acceptance, the manufacturer's installation recommendations, and the applicable sections of the Florida Building Code including High Velocity Hurricane Zone where Required.
2. Nichiha Architectural Wall Panels shall be of the same formula used in the following tests reports.
   2.1. Intertek H7494.01-550-18
3. Studs and plywood sheathing or Furrings supporting Nichiha Architectural Wall Panels shall conform to the Florida Building Code (including the HVHZ where required), and the requirements of this Notice of Acceptance (See Note Sheet 2).

The assembly installed as specified herein shall be classified as Large Missile Impact Resistant.

NOV 3 0 2018

CARL D FUSSNER LICENSE No 71907 STATE OF FLORIDA PROFESSIONAL ENGINEER

NICHIHA fiber cement

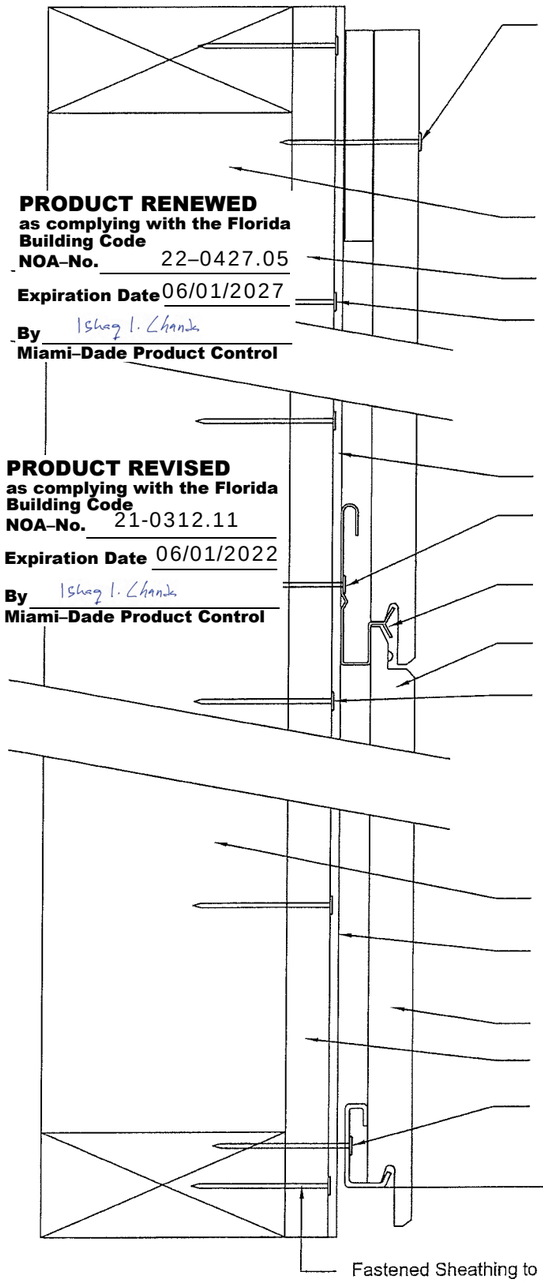
Dwg:	PEI 20180917
Sheet:	1 of 6
Revision:	4
Date:	Sept. 26, 2018

Product: Architectural Wall Panel Fiber Cement Siding

Manufacturer: NICHIHA USA, Inc.
6465 East Johns Crossing, Suite 250
Johns Creek, GA 30097

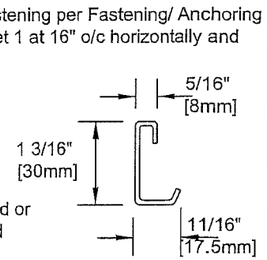
PEI Engineering Services, Inc.
58640 State Road 15
Goshen, IN 46528
Phone: (574) 533-0337
FL COA 27447

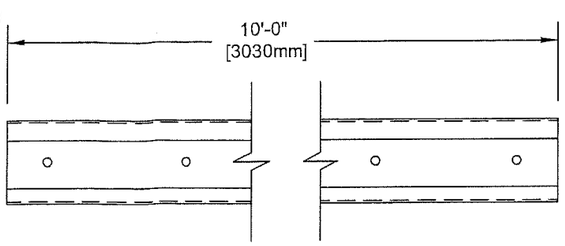
Horizontal Panels



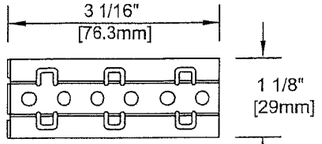
PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 22-0427.05
Expiration Date 06/01/2027
By Ishaq I. Chanda
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-0312.11
Expiration Date 06/01/2022
By Ishaq I. Chanda
Miami-Dade Product Control





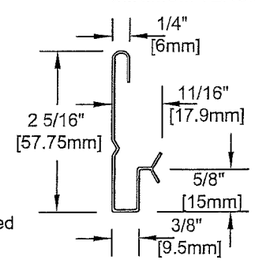
FA700 STARTER TRACK
SHEET STEEL THICKNESS: 3/64" [1.2mm]
W/ GALVALUME COATING: 3/64" [1.3mm]
MINIMUM YIELD STRENGTH: 27.5 KSI
MINIMUM TENSILE STRENGTH: 50 KSI



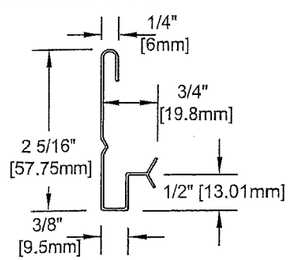
Joint Tab Attachment
SHEET STEEL THICKNESS: 1/32" [0.8mm]
STEEL ANTI-CORROSION COATING: ZAM

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 18-0522.05
Expiration Date 06/01/2022
By
Miami-Dade Product Control

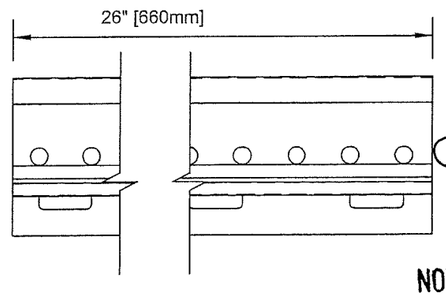
SHEET STEEL THICKNESS: 3/64" [1.2mm]
STEEL ANTI-CORROSION COATING: ZAM
MINIMUM YIELD STRENGTH: 27.5 KSI
MINIMUM TENSILE STRENGTH: 50 KSI



JEL778 PANEL CLIP



JEL788 PANEL CLIP



ARCHITECTURAL WALL PANEL INSTALLATION TO WOOD OR STEEL STUDS

- The panels shall be applied horizontally commencing from the bottom course of the wall starting at the left.
- 1818 mm Panel layout may be stacked or staggered.
- 3030 mm Panel layout must be Stacked.
- 1818 mm Panels have shiplap joints on all edges.
- 3030 mm Panels have shiplap joints on top and bottom edges.
- The panels shall be installed over ⅝" APA rated exterior-grade plywood (SG = 0.50 min.) that are supported by studs spaced a maximum of 16" o/c
- Starter track (FA700) attached at each end and every stud as specified on Fastening/Anchoring Table on sheet 1.
- The long edges of the panels shall be fastened using JEL778/788 clips and fasteners as specified on Fastening/Anchoring Table on sheet 1.
  - (2+) Clips with the 1818 mm Long Panels
  - (4) Clips with the 3030 mm Long Panels
- Face fasten panels at top to stud with (1) 10mm spacer underneath
- 2x4 Wood Studs 16" o/c maximum with specific gravity of 0.42 (widthdrawal) and fasten panel clips at every stud
- 2x6 Steel Stud 16" o/c maximum and fasten panel clips at every stud
  - 18 Ga (0.0451") thickness & Fu=45 ksi & DPR = -95 psf
- Studs of typical light framing methods shall be in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).

PLYWOOD SHEATHING NOTE

Architectural Wall Panels are designed to be installed using JEL778/788 clips attached through plywood sheathing directly to studs at 16" on-center. Such plywood shall be ⅝" (5-ply) minimum, APA rated sheathing, Structural 1 grade. Plywood may be omitted with furing strips attached to a concrete wall designed in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).

Such plywood sheathing shall be supported by framing consisting of 2x wood studs, or 18 Ga (0.0451") steel studs, each at a maximum of 16" o/c for -95 psf. Sheathing attachment and studs design shall be in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).

CARL D FUSSNER LICENSE No 71907 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 3 0 2018

NICHIHA fiber cement

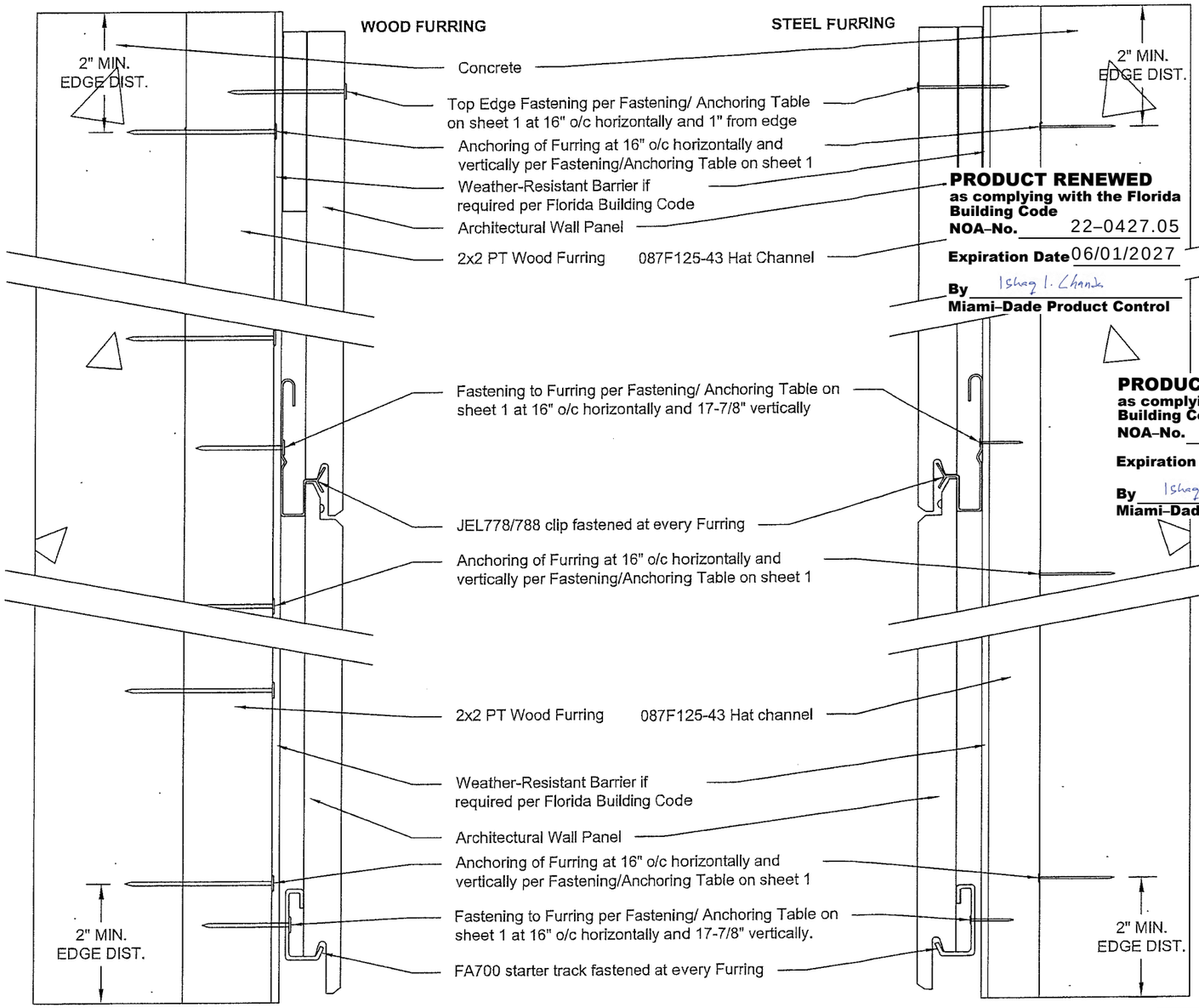
Dwg:	PEI 20180917
Sheet:	2 of 6
Revision:	4
Date:	Sept. 26, 2018

Product:
Architectural Wall Panel
Fiber Cement Siding

Manufacturer:
NICHIHA USA, Inc.
6465 East Johns Crossing, Suite 250
Johns Creek, GA 30097

PEI Engineering Services, Inc.
58640 State Road 15
Goshen, IN 46528
Phone: (574) 533-0337
FL COA 27447

Horizontal Panels



PRODUCT RENEWED
as complying with the Florida Building Code
NOA–No. 22–0427.05
Expiration Date 06/01/2027
By Ishaq I. Chanda
Miami–Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
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Expiration Date 06/01/2022
By Ishaq I. Chanda
Miami–Dade Product Control

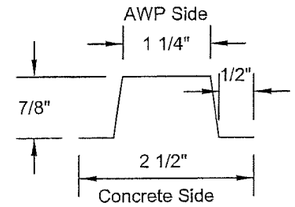
PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 18-0522.05
Expiration Date 06/01/2022
By
Miami–Dade Product Control

NOV 3 0 2018

CARL D FUSSNER LICENSE No 71907 STATE OF FLORIDA PROFESSIONAL ENGINEER

ARCHITECTURAL WALL PANEL INSTALLATION TO CONCRETE

- The panels shall be applied horizontally commencing from the bottom course of the wall starting at the left.
- 1818 mm Panel layout may be stacked or staggered.
- 3030 mm Panel layout must be Stacked.
- 1818 mm Panels have shiplap joints on all edges.
- 3030 mm Panels have shiplap joints on top and bottom edges.
- The panels shall be installed directly to 16" o/c furring anchored to concrete.
- Starter track (FA700) attached at each end and every stud as specified on Fastening/Anchoring Table on sheet 1.
- The long edges of the panels shall be fastened using JEL778/788 clips and fasteners as specified on Fastening/Anchoring Table on sheet 1.
  - (2+) Clips with the 1818 mm Long Panels
  - (4) Clips with the 3030 mm Long Panels
- Face fasten panels at top to furring with (1) 10mm spacer underneath
- Concrete Wall
- Fasten to 16" o/c furring strips: 2x2 PT Wood or 087F125-43 Hat Channel Furring strips of typical light framing methods shall be in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).



087F125-43 (A653, 33 ksi) Hat Channel Section

NICHIHA fiber cement

Dwg:	PEI 20180917
Sheet:	3 of 6
Revision:	4
Date:	Sept. 26, 2018

Product:
Architectural Wall Panel
Fiber Cement Siding

Manufacturer:
NICHIHA USA, Inc.
6465 East Johns Crossing, Suite 250
Johns Creek, GA 30097

PEI Engineering Services, Inc.
58640 State Road 15
Goshen, IN 46528
Phone: (574) 533-0337
FL COA 27447

Vertical Panels

Fastening/Anchoring			
	5/8" Plywood	Wood Furring	18 GA Steel Furring
Design Pressure	85 psf	85 psf	85 psf
Face Fastening 1" from vertical edge of panel 5/8" Panel	#8 Wood Screws 2" Long	#8 Wood Screws 2" Long	#8 Sheet Metal Screws 1.5" Long
Fastening for JEL778	#10x1.5" Long Panhead Screws	#10x1.5" Long Wood Screws	#10x0.75" Long Sheet Metal Screws
Fastening for FA710T	#10x1.5" Long Panhead Screws	#10x1.5" Long Wood Screws	#10x0.75" Long Sheet Metal Screws
Anchoring for Furring to Concrete Light-Weight CMU Medium-Weight CMU 2000 psi Concrete	-	ITW Buildex 3/16" dia Tapcon 1" Embedment (1) at 4" o/c (1) at 7" o/c (1) at 11.5" o/c	ITW Buildex 3/16" dia Tapcon 1" Embedment (2) at 9.5" o/c (2) at 12.5" o/c (2) at 20.5" o/c

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 18-0522.05
Expiration Date 06/01/2022
By _____
Miami-Dade Product Control

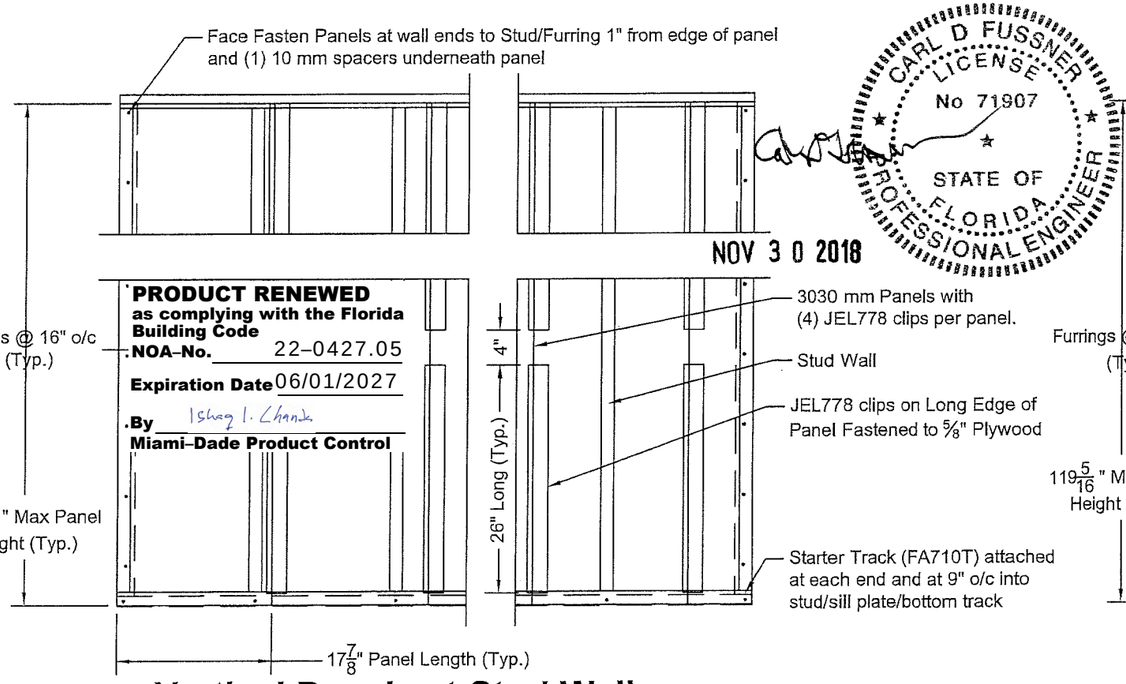
DESCRIPTION and SPECIFICATION Nichiha Architectural Wall Panel material is a non-asbestos fiber cement product tested in accordance with ASTM C-1185 meeting the requirements of the Florida Building Code (HVHZ). Panels are available for the exposed surface dimensions specified below.

Panel Dimensions			
Width	Length	Thickness	Weight (max)
17 7/8"	119 5/16"	5/8"	5.4 psf
455 mm	3030 mm	16 mm	26.4 kg/m²

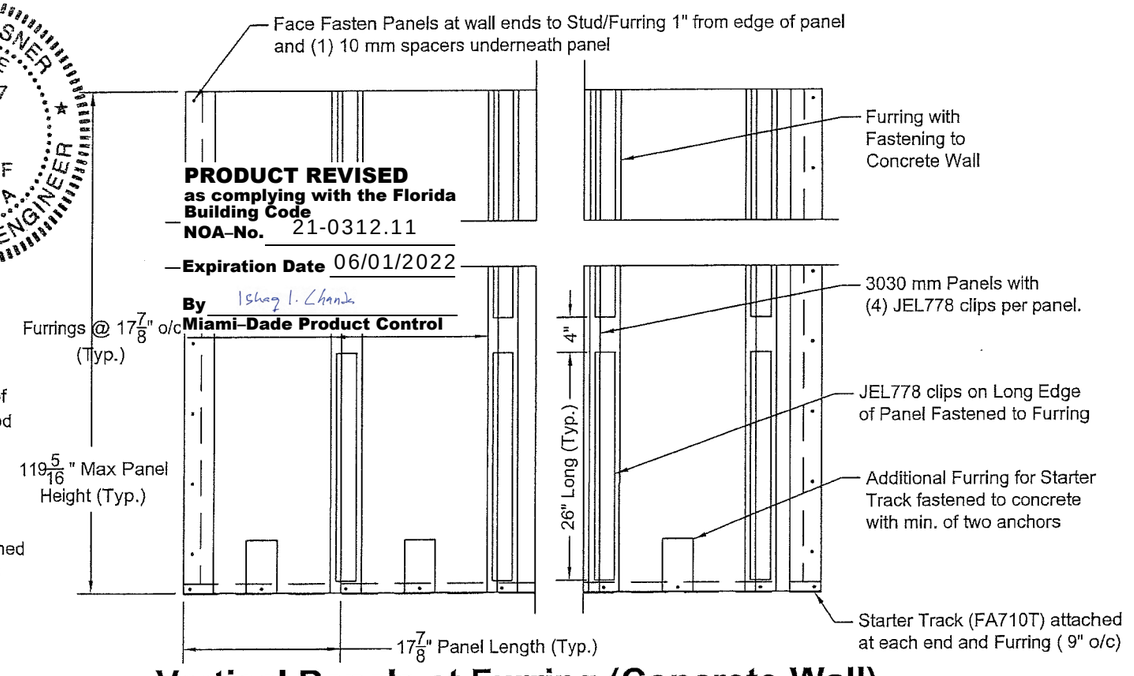
Design Pressure Rating -85 psf

LIMITATIONS

1. All installation shall be done in accordance with this Notice of Acceptance, the manufacturer's installation recommendations, and the applicable sections of the Florida Building Code including High Velocity Hurricane Zone where Required.
2. Nichiha Architectural Wall Panels shall be of the same formula used in the following tests reports.
   2.1. Intertek H7494.02-550-18
3. Studs and plywood sheathing or Furrings supporting Nichiha Architectural Wall Panels shall conform to the Florida Building Code (including the HVHZ where required), and the requirements of this Notice of Acceptance (See Note Sheet 5).
4. The assembly installed as specified herein shall be classified as Large Missile Impact Resistant.



Vertical Panels at Stud Wall



Vertical Panels at Furring (Concrete Wall)

NICHIHA fiber cement

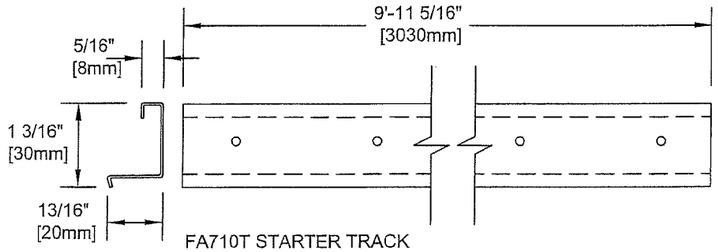
Dwg:	PEI 20180917
Sheet:	4 of 6
Revision:	4
Date:	Sept. 26, 2018

Product: Architectural Wall Panel Fiber Cement Siding

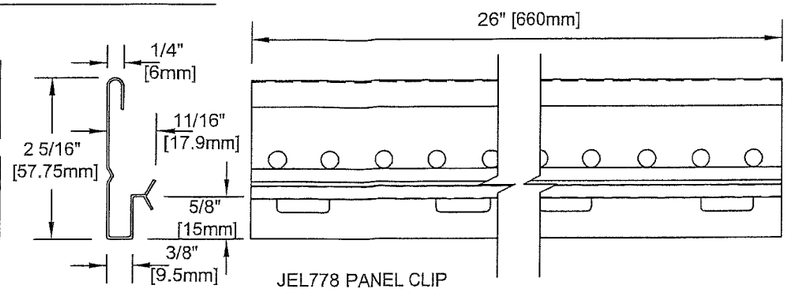
Manufacturer: NICHIHA USA, Inc.
6465 East Johns Crossing, Suite 250
Johns Creek, GA 30097

PEI Engineering Services, Inc.
58640 State Road 15
Goshen, IN 46528
Phone: (574) 533-0337
FL COA 27447

Vertical Panels

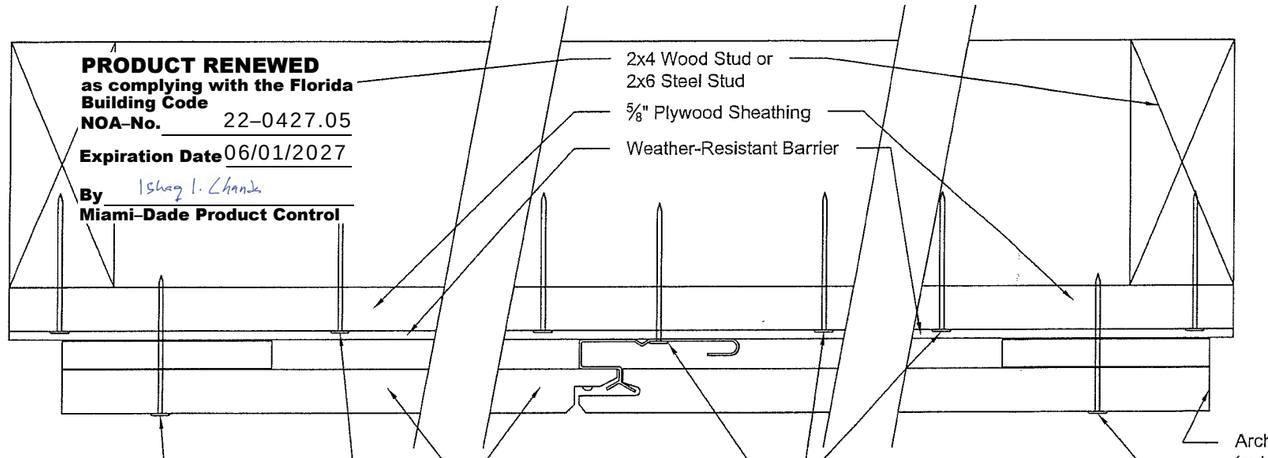


FA710T STARTER TRACK
SHEET STEEL THICKNESS: 3/64" [1.2mm)]
W/ GALVALUME COATING: 3/64" [1.3mm]
MINIMUM YIELD STRENGTH: 27.5 KSI
MINIMUM TENSILE STRENGTH: 50 KSI

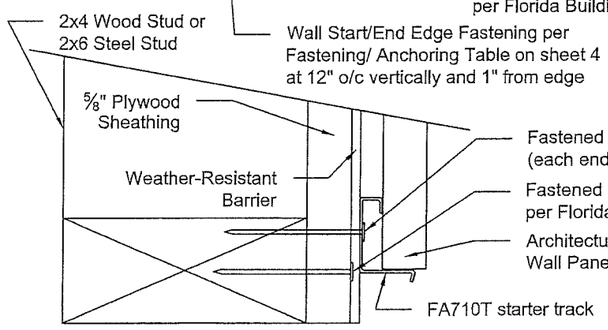


JEL778 PANEL CLIP
SHEET STEEL THICKNESS: 3/64" [1.2mm]
STEEL ANTI-CORROSION COATING: ZAM
MINIMUM YIELD STRENGTH: 27.5 KSI
MINIMUM TENSILE STRENGTH: 50 KSI

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 22-0427.05
Expiration Date 06/01/2027
By Ishaq I. Chanda
Miami-Dade Product Control



Horizontal Section View



Detail - Starter Track at Bottom of Wall

ARCHITECTURAL WALL PANEL INSTALLATION TO WOOD OR STEEL STUDS

- The panels shall be applied vertically commencing from the bottom course of the wall starting at the left.
- 3030 mm Panel layout may be Stacked if supported by starter track at each course.
- 3030 mm Panels have shiplap joints on long edges.
- The panels shall be installed over 5/8" APA rated exterior-grade plywood (SG = 0.42 min.) that are supported by studs spaced a maximum of 16" o.c.
- Starter track (FA710T) attached at each end and 9" o/c into stud/sill plate/bottom track as specified on Fastening/Anchoring Table on sheet 4.
- The long edges of the panels shall be fastened using JEL778 clips and 4 fasteners per clip (~6" o/c vertically) as specified on Fastening/Anchoring Table on sheet 4.
  - (4) Clips with the 3030 mm Long Panels
- Face fasten panels at each end of wall with (1) 10mm spacer underneath
- 2x4 Wood Studs 16" o/c maximum with specific gravity of 0.42 (widthdrawal) and fasten panel clips to sheathing
- 2x6 Steel Stud 16" o/c maximum and fasten panel clips to sheathing
  - 18 Ga (0.0451") thickness & Fu=45 ksi & DPR = -85 psf
- Studs of typical light framing methods shall be in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).

PLYWOOD SHEATHING NOTE

Architectural Wall Panels installed in the vertical direction are designed to be installed using JEL778 clips attached to plywood sheathing directly. Such plywood shall be 5/8" (5-ply) minimum, APA rated sheathing, Structural 1 grade. Plywood may be omitted with furing strips at 17-7/8" o/c attached to a concrete wall designed in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).

Such plywood sheathing shall be supported by framing consisting of 2x wood studs, or 18 Ga (0.0451") steel studs, each at a maximum of 16" o/c (furring at 17-7/8" o/c) for -85 psf. Sheathing attachment and studs design shall be in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-0312.11
Expiration Date 06/01/2022
By Ishaq I. Chanda
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 18-0522.05
Expiration Date 06/01/2022
By
Miami-Dade Product Control

NOV 3 0 2018

CARL D FUSSNER LICENSE No 71907 STATE OF FLORIDA PROFESSIONAL ENGINEER

NICHIHA fiber cement

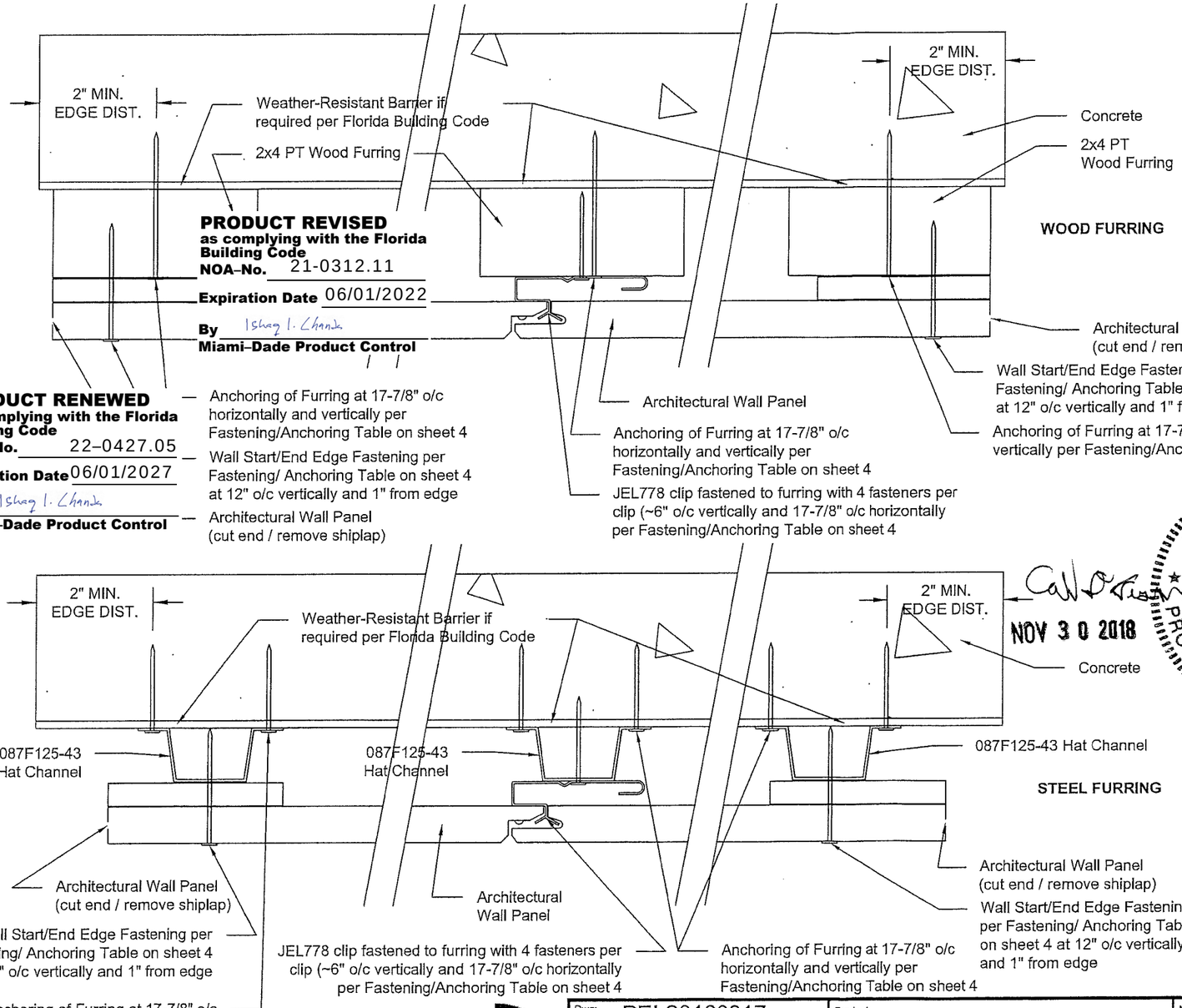
Dwg:	PEI 20180917
Sheet:	5 of 6
Revision:	4
Date:	Sept. 26, 2018

Product:
Architectural Wall Panel
Fiber Cement Siding

Manufacturer:
NICHIHA USA, Inc.
6465 East Johns Crossing, Suite 250
Johns Creek, GA 30097

PEI Engineering Services, Inc.
58640 State Road 15
Goshen, IN 46528
Phone: (574) 533-0337
FL COA 27447

Vertical Panels



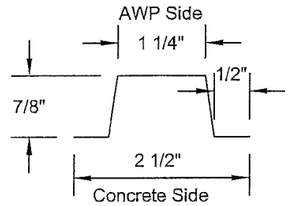
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 21-0312.11
Expiration Date 06/01/2022
By Ishaq I. Chanda
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 22-0427.05
Expiration Date 06/01/2027
By Ishaq I. Chanda
Miami-Dade Product Control

WOOD FURRING

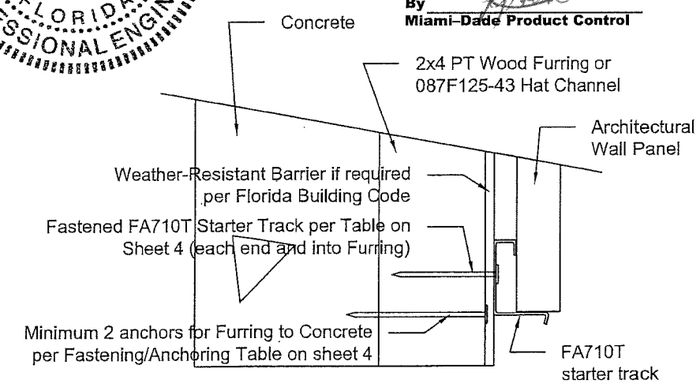
ARCHITECTURAL WALL PANEL INSTALLATION TO CONCRETE

- The panels shall be applied vertically commencing from the bottom course of the wall starting at the left.
- 3030 mm Panel layout may be Stacked if supported by starter track at each course.
- 3030 mm Panels have shiplap joints on long edges.
- The panels shall be installed directly to 17-7/8" o/c furring anchored to concrete.
- Starter track (FA710T) attached at each end and every furring strip as specified on Fastening/Anchoring Table on sheet 4.
- The long edges of the panels shall be fastened using JEL778 clips and fasteners as specified on Fastening/Anchoring Table on sheet 4.
  - (4) Clips with the 3030 mm Long Panels
- Face fasten panels at each end of wall with (1) 10mm spacer underneath
- Concrete Wall
  - Fasten to furring strips: 2x4 PT Wood or 087F125-43 Hat Channel
- Furring strips of typical light framing methods shall be in accordance with the Florida Building Code (High Velocity Hurricane Zone, where required).



087F125-43 (A653, 33 ksi) Hat Channel Section

STEEL FURRING



Detail - Starter Track at Bottom of Wall

CARL D FUSSNER LICENSE No 71907 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 30 2018

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 18-0522.05
Expiration Date 06/01/2022
By
Miami-Dade Product Control

NICHIHA fiber cement

Dwg:	PEI 20180917
Sheet:	6 of 6
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