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: Nichiha Architectural Wall Panel (AWP) and Sierra/Savannah Fiber Cement Lap Siding Systems

APPROVAL DOCUMENT: Drawing No. **5876-SK1**, titled "Nichiha AWP/Sierra/Savannah Assembly Drawings", sheets 1 and 15 of 15, dated 12/12/2023, prepared by Boca engineering, signed and sealed by Christopher W.C. Bowness, P.E., bearing the Miami-Dade County Product Control Revision 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 **revises NOA # 22-0427.05** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

12/27/23

NOA No. 23-1031.05
Expiration Date: June 1, 2027
Approval Date: January 4, 2024

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 through 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** through **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)

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.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1031.05
Expiration Date: June 1, 2027
Approval Date: January 4, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 18-0522.05

A. DRAWINGS

1. Drawing No. **PEI20161490**, titled "Architectural Wall Panel Fiber Cement Siding", sheets 1 through 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.

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.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1031.05
Expiration Date: June 1, 2027
Approval Date: January 4, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under NOA # 21-0312.11

A. DRAWINGS

1. Drawing No. **PEI20180917**, titled "Architectural Wall Panel Fiber Cement Siding", sheets 1 through 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.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1031.05
Expiration Date: June 1, 2027
Approval Date: January 4, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence submitted

A. DRAWINGS

1. Drawing No. **5876-SK1**, titled "Nichiha AWP/Sierra/Savannah Assembly Drawings", sheets 1 and 15 of 15, dated 12/12/2023, prepared by Boca engineering, signed and sealed by Christopher W.C. Bowness, P.E**.**

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Series EX, AWP 1818 and AWP 3030 Horizontal Architectural Wall Panels, prepared by Intertek, Report No. **H7494.01-550-18 R2**, dated 01/04/2018 and revised on 06/03/2019, signed and sealed by Gary T. Hartman, P.E.

2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Series EX, AWP 3030 Vertical Architectural Wall Panels, prepared by Intertek, Report No. **H7494.02-550-18 R2**, dated 01/04/2018 and revised on 06/03/2019, signed and sealed by Gary T. Hartman, P.E.

3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of 9" Sierra Shake/Savannah Smooth, prepared by Progressive Engineering Inc., Report No. **2016-1872**, dated 05/22/2017, signed and sealed by Carl D. Fussner, P.E.

4. 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. **2016-1872**, dated 05/30/2017, signed and sealed by Carl D. Fussner, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by Boca engineering, dated 12/12/2023, signed and sealed by Christopher W.C. Bowness, P.E.

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 8th edition (2023) of the FBC, issued by Boca engineering, dated 12/12/2023, signed and sealed by Christopher W.C. Bowness, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1031.05
Expiration Date: June 1, 2027
Approval Date: January 4, 2024

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1031.05
Expiration Date 06/01/2027
By
Miami–Dade Product Control

Table 1: Wood/Steel Stud Assembly Configurations for AWP with Ultimate Clip II[1]

Assembly Number	Detail Number	Panel Configuration	Min. Framing[2,3]	Min. Sheathing	Clip Fastener Substrate	Clip Fastener Spacing	Clip Fastener	Allowable Design Pressure (psf)
1	A3	Horizontal	2x SPF No. 2 studs @ 16" o.c	5/8" plywood	Studs	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 1-1/2" long Panhead Screws	95
2	A3	Horizontal	1-5/8x5-1/2 steel studs @ 16" o.c	5/8" plywood	Studs	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 1-1/2" long Panhead Screws	95
3	A4	Vertical	2x SPF No. 2 studs @ 16" o.c	5/8" plywood	Sheathing	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 1-1/2" long Panhead Screws	85
4	A4	Vertical	1-5/8x5-1/2 steel studs @ 16" o.c	5/8" plywood	Sheathing	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 1-1/2" long Panhead Screws	85

1. Maximum wall height of 10 ft, deflection limit L/180 of wall height.
2. 2x wood framing tested to support attachment of cladding at maximum design pressure, species may be substituted by any exceeding S.G. 0.42. Framing must be sized by engineer or architect of record to support all building loads and deflection limit.
3. 1-5/8x5-1/2 steel framing calculated to support attachment of cladding at maximum design pressure. Framing must be sized by engineer or architect of record to support all building loads and deflection limit.

Table 2: CMU/Concrete Wall Assembly Configurations for AWP with Ultimate Clip II[1]

Assembly Number	Detail Number	Panel Configuration	Wall Type[2,3]	Furring Type/ Orientation	Furring Fastening	Clip Fastener Substrate	Clip Fastener Spacing	Clip Fastener	Allowable Design Pressure (psf)
5	A6	Horizontal	Light-Weight CMU[4]	2x2 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 4" o.c	Furring	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 1-1/2" long Wood Screws	95
			Medium-Weight CMU[5]	2x2 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 6" o.c	Furring	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 1-1/2" long Wood Screws	
			2500 psi Concrete	2x2 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 11.5" o.c	Furring	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 1-1/2" long Wood Screws	
			Light-Weight CMU[4]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 9.5" o.c	Furring	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 3/4" long Sheet Metal Screws	
			Medium-Weight CMU[5]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 12.5" o.c	Furring	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 3/4" long Sheet Metal Screws	
			2500 psi Concrete	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 20.5" o.c	Furring	@ 16" o.c horiz. and 17-7/8" vert.	#10 x 3/4" long Sheet Metal Screws	
6	A7	Vertical	Light-Weight CMU[4]	2x4 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 4" o.c	Furring	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 1-1/2" long Wood Screws	85
			Medium-Weight CMU[5]	2x4 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 6" o.c	Furring	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 1-1/2" long Wood Screw	
			2500 psi Concrete	2x4 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 11.5" o.c	Furring	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 1-1/2" long Wood Screw	
			Light-Weight CMU[4]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 9.5" o.c	Furring	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 3/4" long Sheet Metal Screws	
			Medium-Weight CMU[5]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 12.5" o.c	Furring	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 3/4" long Sheet Metal Screws	
			2500 psi Concrete	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 20.5" o.c	Furring	@ 17-7/8" o.c horiz. and 8" o.c vert.	#10 x 3/4" long Sheet Metal Screws	

1. Maximum wall height of 10 ft, deflection limit L/180 of wall height.
2. Wall must be calculated to support attachment of cladding at maximum design pressure. CMU/Concrete must be designed by engineer or architect of record to support all building loads and deflection limit.
3. Grouted or Ungrouted CMU acceptable.
4. Light-Weight CMU defined as having an oven- dry density 85 pcf or greater and less than 105 pcf per ASTM C90.
5. Medium-Weight CMU defined as having an oven- dry density 105 pcf or greater and less than 125 pcf per ASTM C90.
6. Pressure treated wood furring may be substituted by any species exceeding Specific Gravity of 0.42.

CHRISTOPHER W.C. BOWLES LICENSE No 64748 STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE 2023
2023-12-12

TITLE	CLIENT	PROJECT			
NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	NICHIHA USA, INC	AWP/SIERRA/SAVANNAH MIAMI DADE NOA			
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203–1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250–477–7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023	REV.: 0	FOR PUBLICATION / ISSUE	CB / APP	
	DRAWING NO.: 5876–SK1	SHEET NO.: 1 OF 15	SCALE: NOT TO SCALE	DES.: CB	DRN.: NN / CHK.: CB

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1031.05
Expiration Date 06/01/2027
By
Miami–Dade Product Control

Table 3: Wood/Steel Stud Assembly Configurations for Sierra Shake/Savannah Smooth[1]

Assembly Number	Detail Number	Min. Framing[2,3]	Min. Sheathing	Fastener Substrate	Fastener Spacing	Min. Fastener	Allowable Design Pressure (psf)
7	A9	2x DF No. 2 studs @ 16" o.c	5/8" plywood	Studs	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 2-1/4" long Wood Screws	110
8	A9	1-5/8x5-1/2 steel studs @ 16" o.c	5/8" plywood	Studs	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 2-1/4" long Sheet Metal Screws	110
9	A9	2x DF No. 2 studs @ 16" o.c	5/8" plywood	Studs	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x 2-1/4" long Wood Screws	55
10	A9	1-5/8x5-1/2 steel studs @ 16" o.c	5/8" plywood	Studs	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x 2-1/4" long Sheet Metal Screws	55

1. Maximum wall height of 10 ft, deflection limit L/180 of wall height.
2. 2x wood framing tested to support attachment of cladding at maximum design pressure, species may be substituted by any exceeding S.G. 0.5. Framing must be sized by engineer or architect of record to support all building loads and deflection limit.
3. 1-5/8x5-1/2 steel framing calculated to support attachment of cladding at maximum design pressure. Framing must be sized by engineer or architect of record to support all building loads and deflection limit.

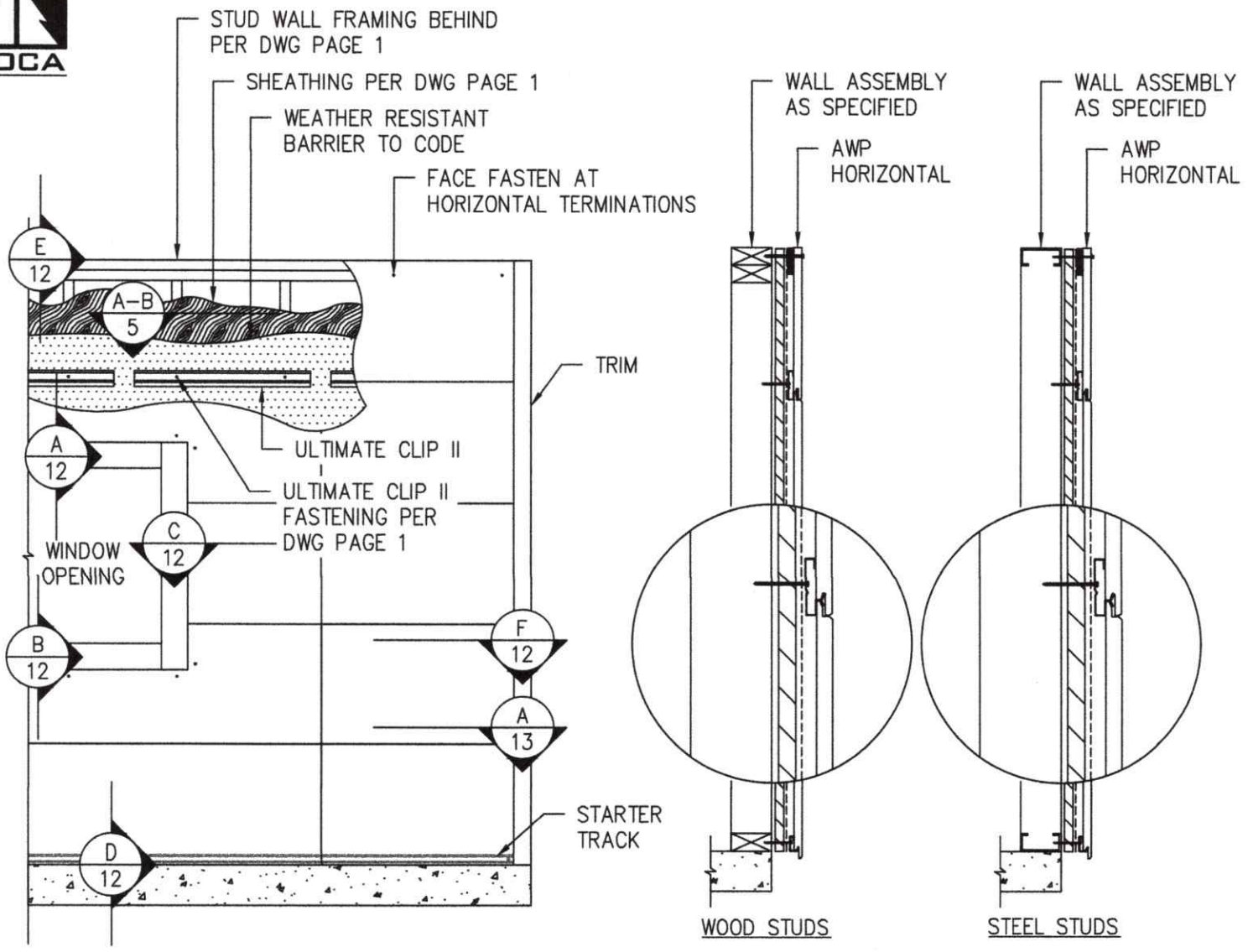
Table 4: CMU/Concrete Wall Assembly Configurations for Sierra Shake/Savannah Smooth[1]

Assembly Number	Detail Number	Wall Type[2,3]	Furring Type/ Orientation	Min. Furring Fastening	Siding Fastener Substrate	Siding Fastener Spacing	Min. Siding Fastener	Allowable Design Pressure (psf)
11	A10	Light-Weight CMU[4]	2x2 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 3.5" o.c	Furring	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 2-1/4" long Wood Screws	110
		Medium-Weight CMU[5]	2x2 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 5.5" o.c	Furring	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 2-1/4" long Wood Screws	
		2500 psi Concrete	2x2 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 10" o.c	Furring	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 2-1/4" long Wood Screws	
		Light-Weight CMU[4]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 7" o.c	Furring	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 1-3/4" long Sheet Metal Screws[7]	
		Medium-Weight CMU[5]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 11.5" o.c	Furring	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 1-3/4" long Sheet Metal Screws[7]	
		2500 psi Concrete	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 21.5" o.c	Furring	@ 16" o.c horiz. and 1" from bottom of plank (face)	#7 x 1-3/4" long Sheet Metal Screws[7]	
12	A10	Light-Weight CMU[4]	2x4 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 7.5" o.c	Furring	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x 1-3/4" long Wood Screws	55
		Medium-Weight CMU[5]	2x4 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 11.5" o.c	Furring	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x 1-3/4" long Wood Screw	
		2500 psi Concrete	2x4 SPF No.2 P.T wood vertical[6]	(1) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 21.5" o.c	Furring	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x 1-3/4" long Wood Screw	
		Light-Weight CMU[4]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 17.5" o.c	Furring	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x1- 1/4" long Sheet Metal Screws	
		Medium-Weight CMU[5]	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 23" o.c	Furring	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x 1-1/4" long Sheet Metal Screws	
		2500 psi Concrete	7/8" 18 ga Hat Channel vertical	(2) ITW Buildex 3/16" dia. Tapcon, 1" embedment @ 33.5" o.c	Furring	@ 16" o.c horiz. and 1" from top of plank (blind)	#7 x 1-1/4" long Sheet Metal Screws	

1. Maximum wall height of 10 ft, deflection limit L/180 of wall height.
2. Wall must be calculated to support attachment of cladding at maximum design pressure. CMU/Concrete must be designed by engineer or architect of record to support all building loads and deflection limit.
3. Grouted or Ungrouted CMU acceptable.
4. Light-Weight CMU defined as having an oven- dry density 85 pcf or greater and less than 105 pcf per ASTM C90.
5. Medium-Weight CMU defined as having an oven- dry density 105 pcf or greater and less than 125 pcf per ASTM C90.
6. Pressure treated wood furring may be substituted by any species exceeding Specific Gravity of 0.42.
7. For the largest Sierra Shake plank size of 8-7/8" and allowable design pressure of 110 psf, size #8 screws are needed.

CHRISTOPHER W.C. BOWNESS LICENSE No 64748 STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE 0098
2023-12-12

TITLE	CLIENT	PROJECT			
NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	NICHIHA USA, INC	AWP/SIERRA/SAVANNAH MIAMI DADE NOA			
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS	DATE: DECEMBER 12, 2023	REV.: 0	FOR PUBLICATION / ISSUE		CB / APP
#203–1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250–477–7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DRAWING NO.: 5876–SK1	SHEET NO.: 2 OF 15	SCALE: NOT TO SCALE	DES.: CB	DRN.: NN / CHK.: CB

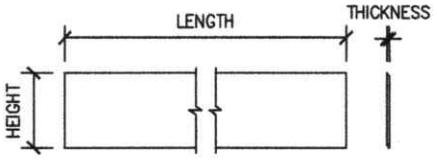


A/3 AWP HORIZ. INSTALL INTO WOOD OR STEEL STUDS — ELEVATION VIEW — NOT-TO-SCALE

B/3 AWP HORIZ. INSTALL INTO WOOD OR STEEL STUDS — SECTION VIEW — NOT-TO-SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By _____
Miami-Dade Product Control

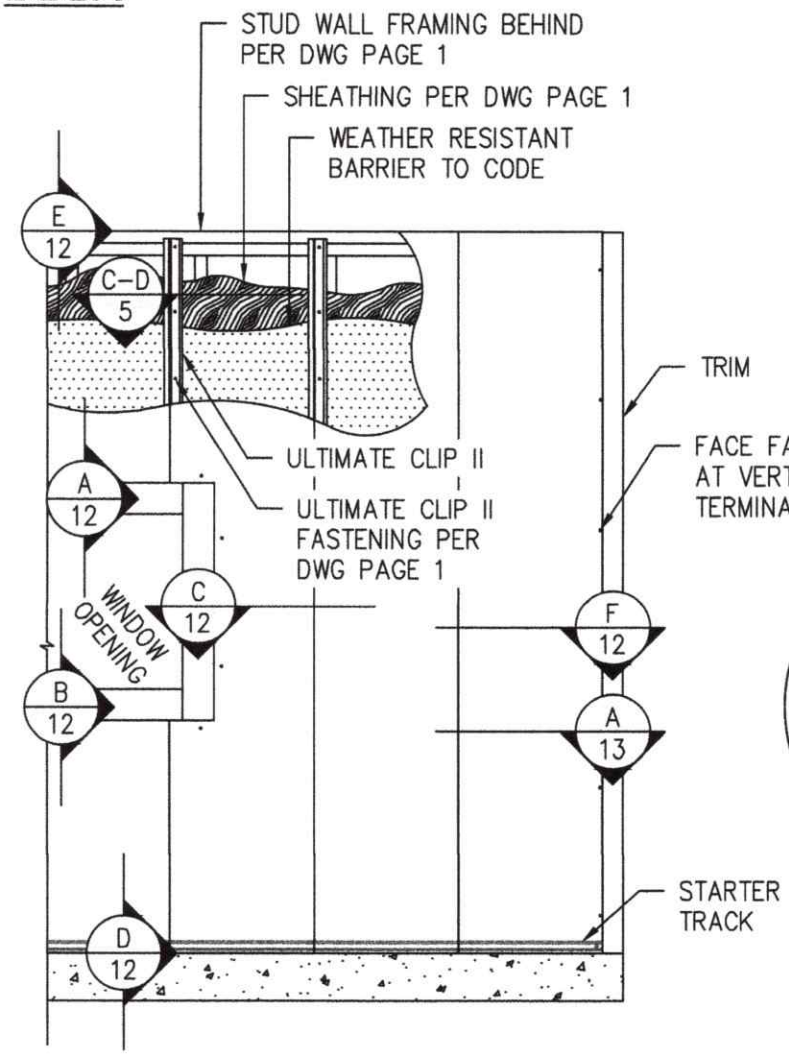
LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
71 9/16", 119 5/16"	17 7/8"	5/8"



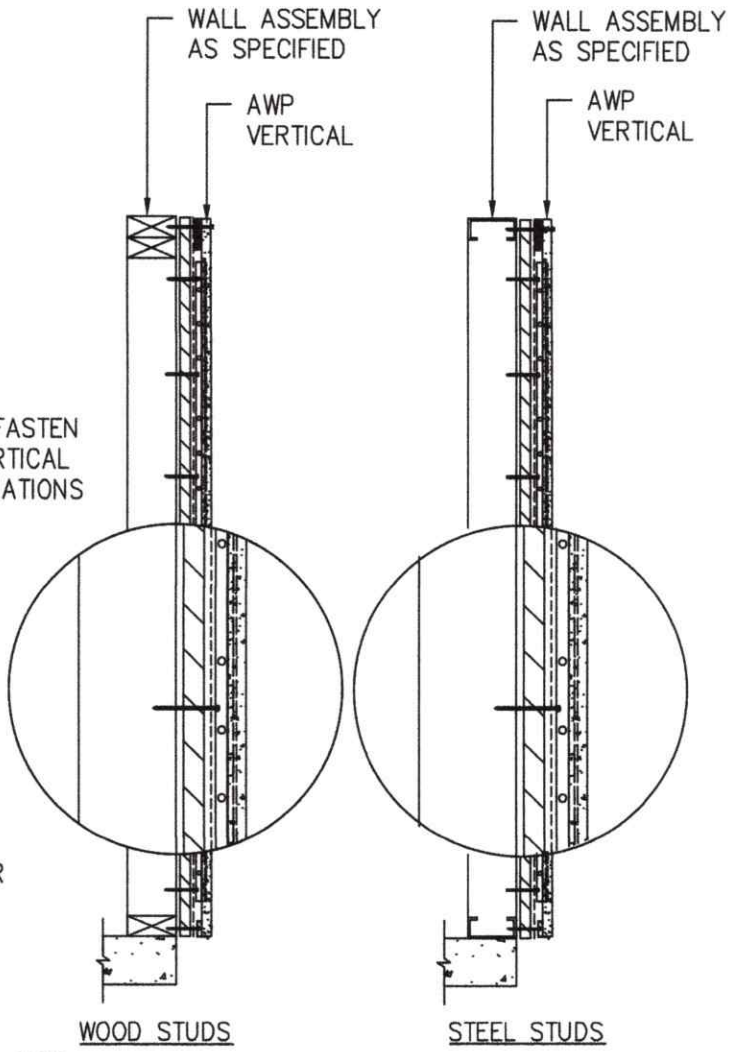
C/3 AWP SIDING DIMENSIONS — NOT-TO-SCALE

CHRISTOPHER W.C. BOWNESS LICENSE No 64748 FILE 0028 STATE OF FLORIDA PROFESSIONAL ENGINEER
2023-12-12

TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC		PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA			
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023		REV. 0	FOR PUBLICATION / ISSUE		CB / APP
	DRAWING NO. 5876-SK1	SHEET NO. 3 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB



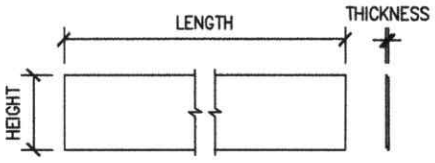
A/4 AWP VERT. INSTALL INTO WOOD OR STEEL STUDS
ELEVATION VIEW NOT-TO-SCALE



B/4 AWP VERT. INSTALL INTO WOOD OR STEEL STUDS
SECTION VIEW NOT-TO-SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By
Miami-Dade Product Control

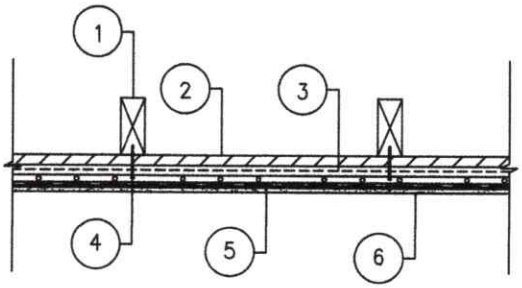
LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
71 9/16", 119 5/16"	17 7/8"	5/8"



C/4 AWP SIDING DIMENSIONS
NOT-TO-SCALE

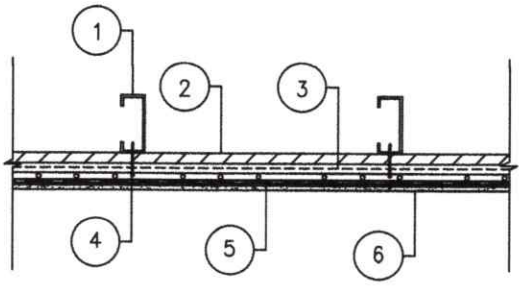
CHRISTOPHER W.C. BOWNESS LICENSE No 64748 STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE 0098
2023-12-12

TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC		PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA			
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023		REV. 0	FOR PUBLICATION / ISSUE		CB / APP
	DRAWING NO. 5876-SK1	SHEET NO. 4 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB



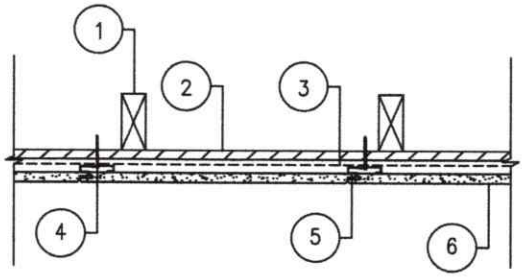
A/5 AWP HORIZ. INSTALL INTO WOOD STUDS
PLAN VIEW NOT-TO-SCALE

LIGHT-FRAMED STUD WALL INSTALLATION INTERIOR TO EXTERIOR	
1	WOOD STUDS PER DWG PAGE 1
2	PLYWOOD SHEATHING PER DWG PAGE 1
3	WEATHER RESISTANT BARRIER TO CODE
4	CLIP FASTENING PER DWG PAGE 1
5	ULTIMATE CLIP
6	AWP HORIZONTAL CLADDING



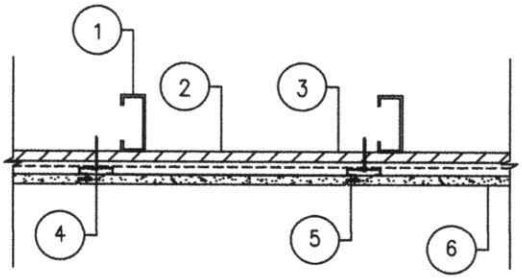
B/5 AWP HORIZ. INSTALL INTO STEEL STUDS
PLAN VIEW NOT-TO-SCALE

LIGHT-FRAMED STUD WALL INSTALLATION INTERIOR TO EXTERIOR	
1	STEEL STUDS PER DWG PAGE 1
2	PLYWOOD SHEATHING PER DWG PAGE 1
3	WEATHER RESISTANT BARRIER TO CODE
4	CLIP FASTENING PER DWG PAGE 1
5	ULTIMATE CLIP
6	AWP HORIZONTAL CLADDING



C/5 AWP VERT. INSTALL INTO SHEATHING WITH WOOD STUDS
PLAN VIEW NOT-TO-SCALE

LIGHT-FRAMED STUD WALL INSTALLATION INTERIOR TO EXTERIOR	
1	WOOD STUDS PER DWG PAGE 1
2	PLYWOOD SHEATHING PER DWG PAGE 1
3	WEATHER RESISTANT BARRIER TO CODE
4	CLIP FASTENING PER DWG PAGE 1
5	ULTIMATE CLIP
6	AWP VERTICAL CLADDING



D/5 AWP VERT. INSTALL INTO SHEATHING WITH STEEL STUDS
PLAN VIEW NOT-TO-SCALE

LIGHT-FRAMED STUD WALL INSTALLATION INTERIOR TO EXTERIOR	
1	STEEL STUDS PER DWG PAGE 1
2	PLYWOOD SHEATHING PER DWG PAGE 1
3	WEATHER RESISTANT BARRIER TO CODE
4	CLIP FASTENING PER DWG PAGE 1
5	ULTIMATE CLIP
6	AWP VERTICAL CLADDING

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By _____
Miami-Dade Product Control

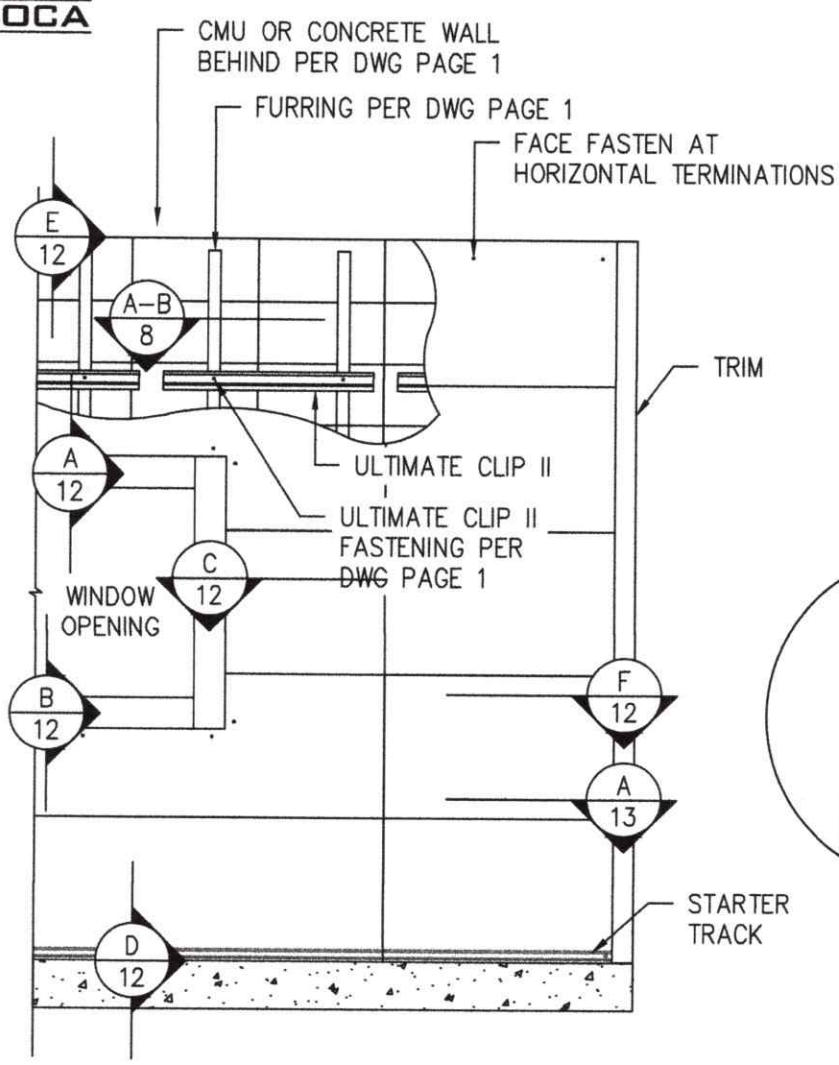
CHRISTOPHER W.C. BOWNESS ★ LICENSE No 64748 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER
FILE 0096
2023-12-12

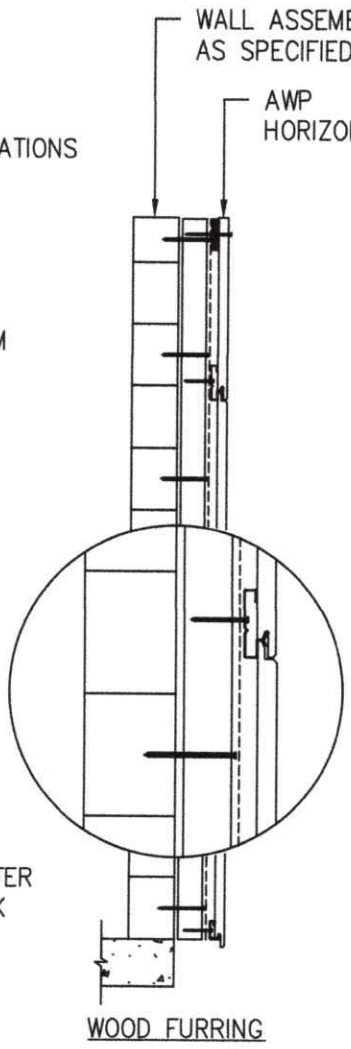
TITLE	CLIENT	PROJECT
NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	NICHIHA USA, INC	AWP/SIERRA/SAVANNAH MIAMI DADE NOA

BOCA ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS
#203-1001 CLOVERDALE AVE, VICTORIA BC
V8X 4C9 250-477-7777
INFO@BOCAENGINEERING.COM
WWW.BOCAENGINEERING.COM

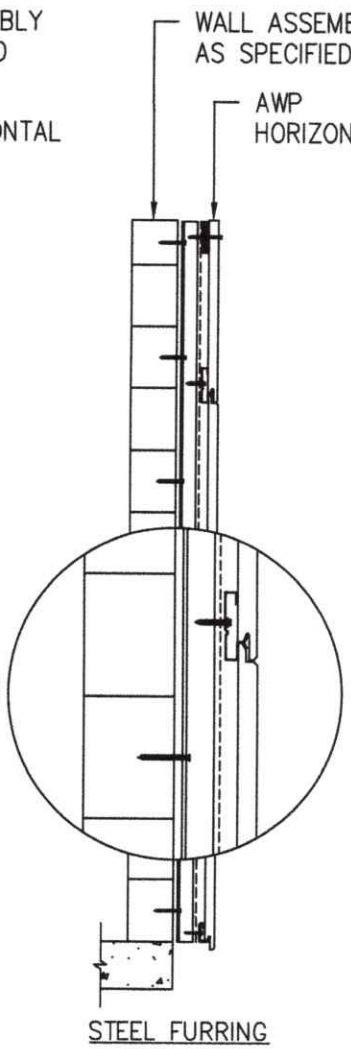
DATE	REV.		
DECEMBER 12, 2023	0	FOR PUBLICATION	CB
		ISSUE	APP

DRAWING NO.	SHEET NO.	SCALE	DES.	DRN.	CHK.
5876-SK1	5 OF 15	NOT TO SCALE	CB	NN	CB





WOOD FURRING



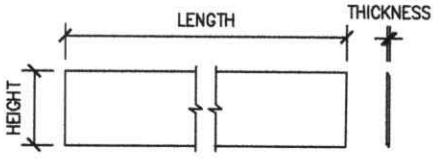
STEEL FURRING

A/6 AWP HORIZ. INSTALL INTO FURRING AND CONCRETE — ELEVATION VIEW — NOT-TO-SCALE

B/6 AWP HORIZ. INSTALL INTO FURRING AND CONCRETE — SECTION VIEW — NOT-TO-SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1031.05
Expiration Date 06/01/2027
By
Miami–Dade Product Control

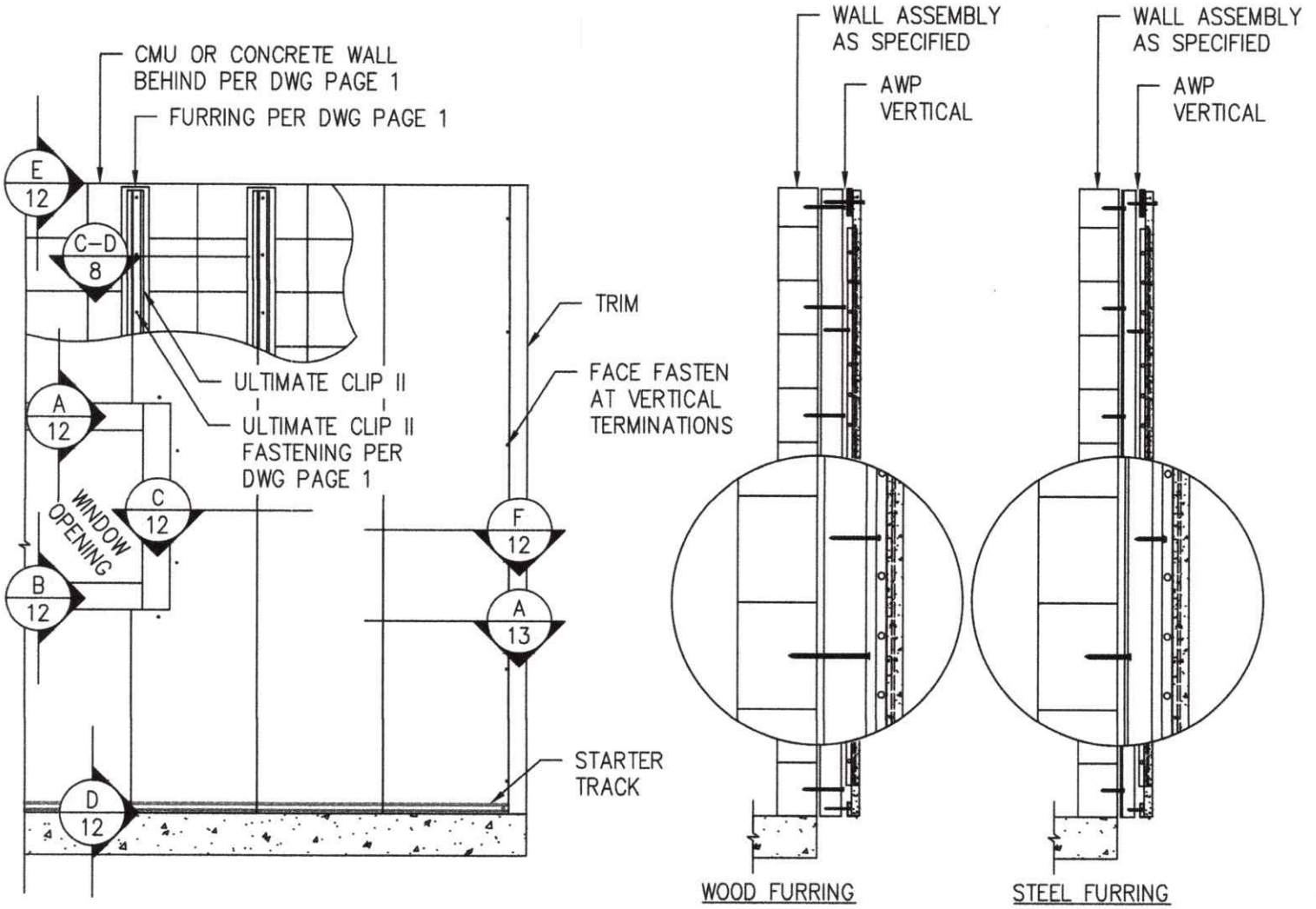
LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
71 9/16", 119 5/16"	17 7/8"	5/8"



C/6 AWP SIDING DIMENSIONS — NOT-TO-SCALE

CHRISTOPHER W.C. BOWLESS ★ LICENSE No 64748 ★ STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE 0096
2023-12-12

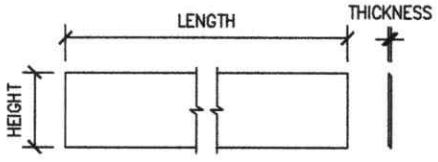
TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC	PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA				
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023	REV. 0	FOR PUBLICATION		CB	
			ISSUE		APP	
	DRAWING NO. 5876-SK1	SHEET NO. 6 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB



A/7 AWP VERT. INSTALL INTO FURRING AND CONCRETE — ELEVATION VIEW — NOT-TO-SCALE

B/7 AWP VERT. INSTALL INTO FURRING AND CONCRETE — SECTION VIEW — NOT-TO-SCALE

LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
71 9/16", 119 5/16"	17 7/8"	5/8"

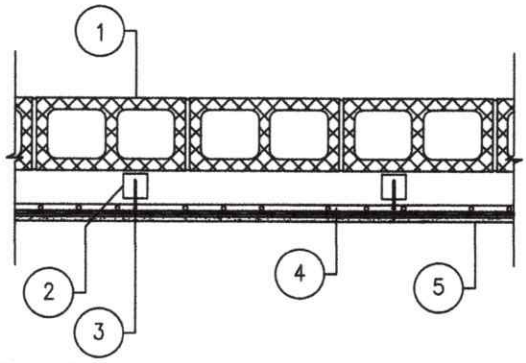


C/7 AWP SIDING DIMENSIONS — NOT-TO-SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By
Miami-Dade Product Control

CHRISTOPHER W.C. BOWNESS LICENSE No 64748 FILE 0098 STATE OF FLORIDA PROFESSIONAL ENGINEER
2023-12-12

TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC	PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA				
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023	REV. 0	FOR PUBLICATION		CB	
			ISSUE		APP	
	DRAWING NO. 5876-SK1	SHEET NO. 7 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB

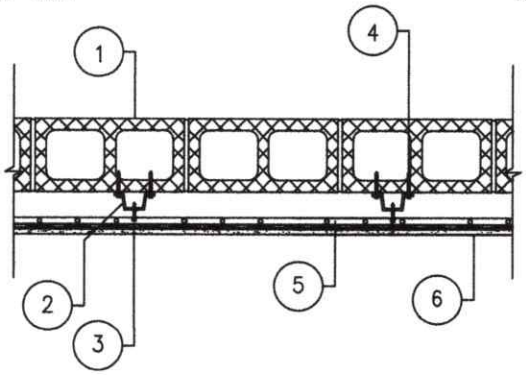


CMU/CONCRETE WALL INSTALLATION INTERIOR TO EXTERIOR	
1	CMU OR CONCRETE WALL PER DWG PAGE 1
2	WOOD FURRING PER DWG PAGE 1
3	CLIP FASTENING PER DWG PAGE 1
4	ULTIMATE CLIP
5	AWP HORIZONTAL CLADDING

NOTE:
1. FURRING FASTENING NOT SHOWN FOR CLARITY. SEE DWG PAGE 1.

A/8 AWP HORIZ. INSTALL INTO WOOD FURRING AND CONCRETE

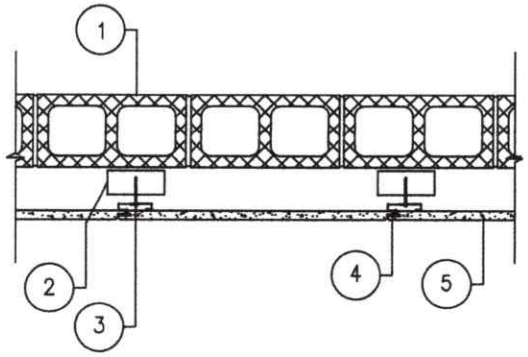
PLAN VIEW NOT-TO-SCALE



CMU/CONCRETE WALL INSTALLATION INTERIOR TO EXTERIOR	
1	CMU OR CONCRETE WALL PER DWG PAGE 1
2	STEEL FURRING PER DWG PAGE 1
3	CLIP FASTENING PER DWG PAGE 1
4	FURRING FASTENING PER DWG PAGE 1
5	ULTIMATE CLIP
6	AWP HORIZONTAL CLADDING

B/8 AWP HORIZ. INSTALL INTO STEEL FURRING AND CONCRETE

PLAN VIEW NOT-TO-SCALE

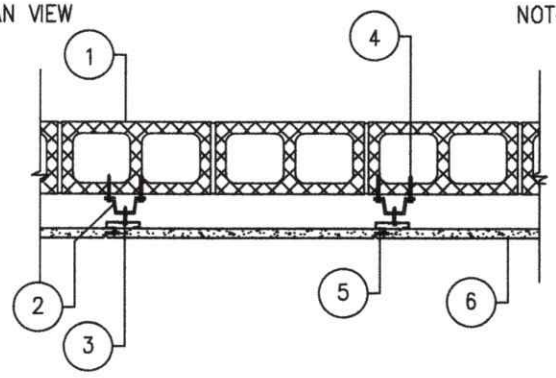


CMU/CONCRETE WALL INSTALLATION INTERIOR TO EXTERIOR	
1	CMU OR CONCRETE WALL PER DWG PAGE 1
2	WOOD FURRING PER DWG PAGE 1
3	CLIP FASTENING PER DWG PAGE 1
4	ULTIMATE CLIP
5	AWP VERTICAL CLADDING

NOTE:
1. FURRING FASTENING NOT SHOWN FOR CLARITY. SEE DWG PAGE 1.

C/8 AWP VERT. INSTALL INTO WOOD FURRING AND CONCRETE

PLAN VIEW NOT-TO-SCALE



CMU/CONCRETE WALL INSTALLATION INTERIOR TO EXTERIOR	
1	CMU OR CONCRETE WALL PER DWG PAGE 1
2	STEEL FURRING PER DWG PAGE 1
3	CLIP FASTENING PER DWG PAGE 1
4	FURRING FASTENING PER DWG PAGE 1
5	ULTIMATE CLIP
6	AWP VERTICAL CLADDING

D/8 AWP VERT. INSTALL INTO STEEL FURRING AND CONCRETE

PLAN VIEW NOT-TO-SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By
Miami-Dade Product Control

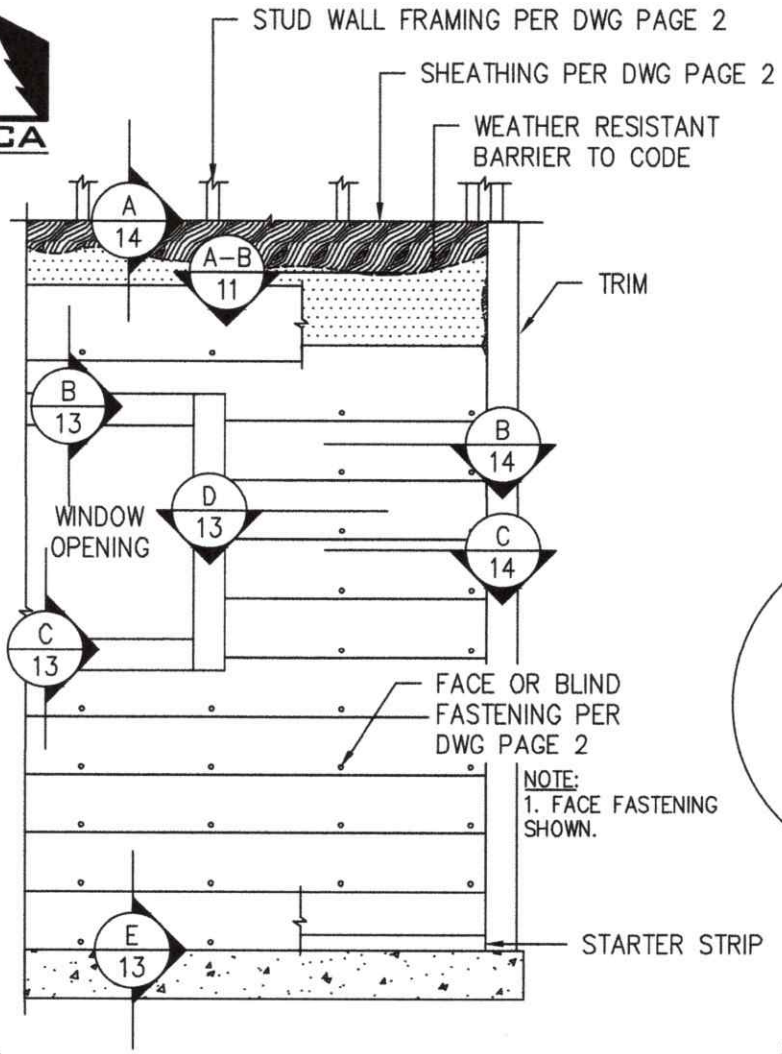
CHRISTOPHER W.C. BOWNESS LICENSE No 64748 FILE 0098 STATE OF FLORIDA PROFESSIONAL ENGINEER
2023-12-12

TITLE	CLIENT	PROJECT
NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	NICHIHA USA, INC	AWP/SIERRA/SAVANNAH MIAMI DADE NOA

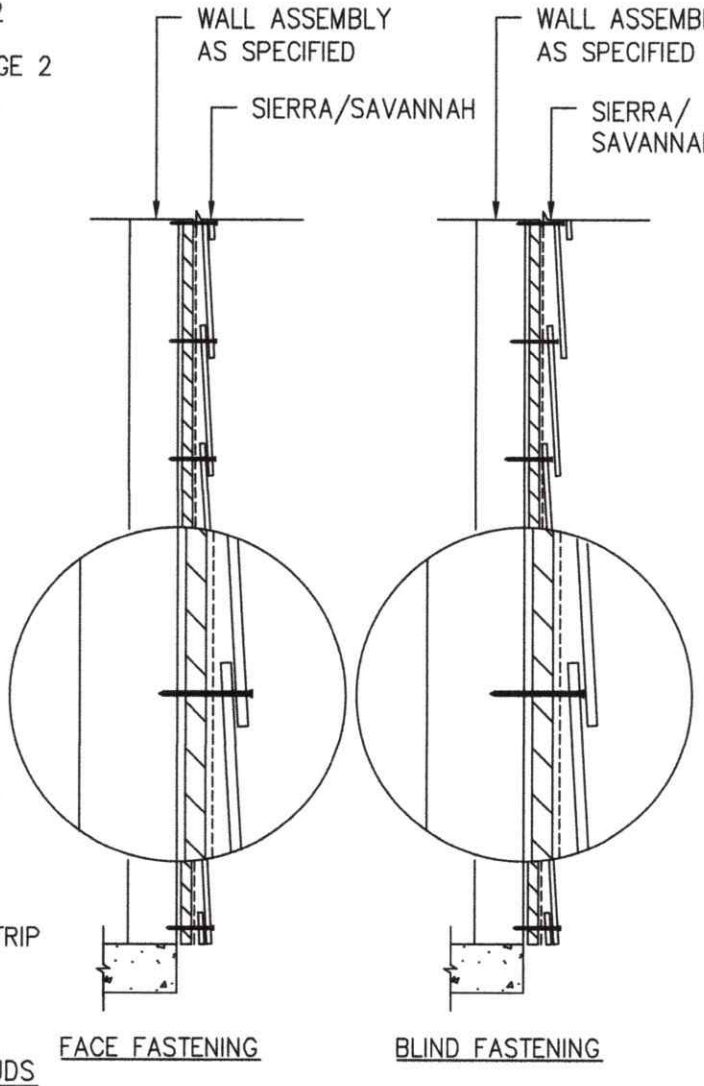
BOCA ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS
#203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777
INFO@BOCAENGINEERING.COM
WWW.BOCAENGINEERING.COM

DATE	REV.		
DECEMBER 12, 2023	0	FOR PUBLICATION	CB
		ISSUE	APP

DRAWING NO.	SHEET NO.	SCALE	DES.	DRN.	CHK.
5876-SK1	8 OF 15	NOT TO SCALE	CB	NN	CB

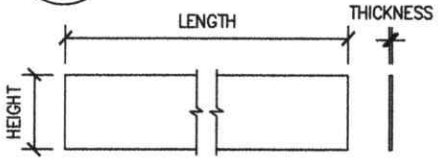


A/9 SIERRA/SAVANNAH INSTALL INTO WOOD OR STEEL STUDS
ELEVATION VIEW
NOT-TO-SCALE



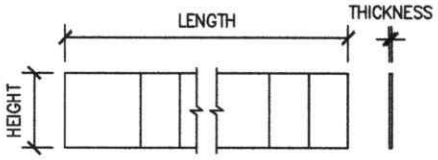
B/9 SIERRA/SAVANNAH INSTALL INTO WOOD OR STEEL STUDS
SECTION VIEW
NOT-TO-SCALE

LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
112"	6¼", 7¼", 8¼"	½"



C/9 SAVANNAH SMOOTH SIDING DIMENSIONS
NOT-TO-SCALE

LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
112"	8⅞"	½"

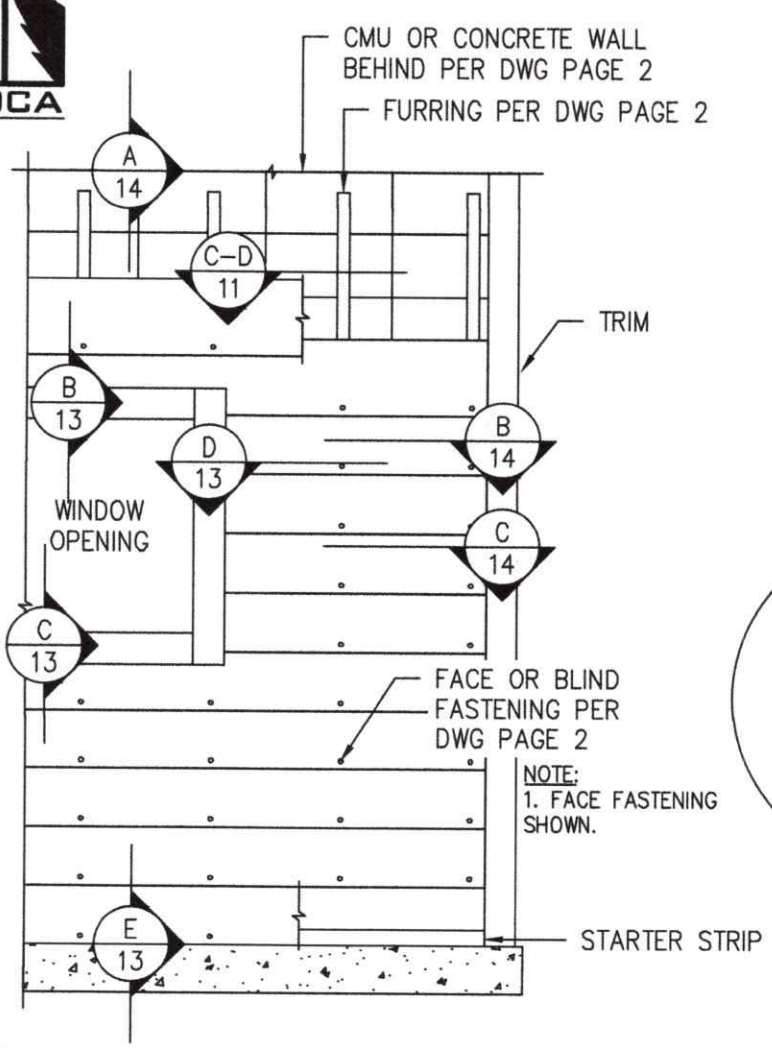


D/9 SIERRA SHAKE SIDING DIMENSIONS
NOT-TO-SCALE

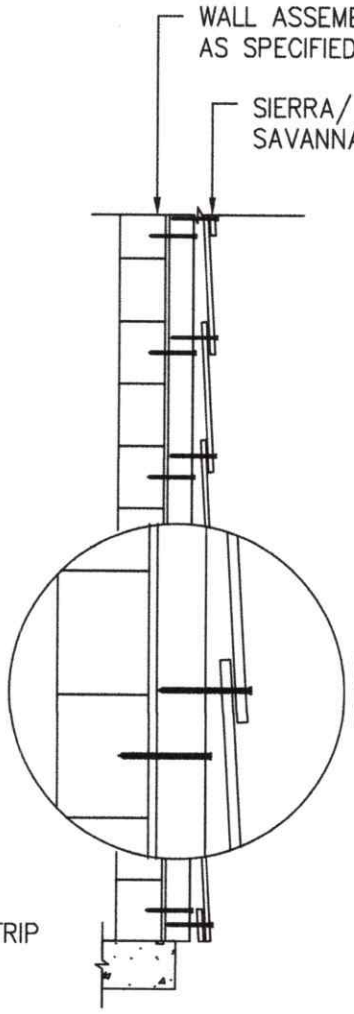
PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1031.05
Expiration Date 06/01/2027
By _____
Miami–Dade Product Control

CHRISTOPHER W.C. BOWLESS LICENSE No 64748 STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE 0098
2023-12-12

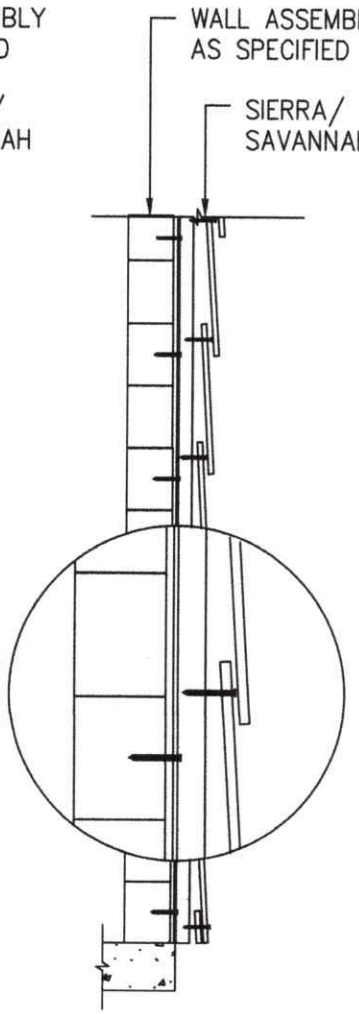
TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC		PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA			
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203–1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250–477–7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023		REV. 0	FOR PUBLICATION / ISSUE		CB / APP
	DRAWING NO. 5876–SK1	SHEET NO. 9 OF 15	SCALE NOT TO SCALE	DES. CB	DRN. NN	CHK. CB



A/10 SIERRA/SAVANNAH INSTALL INTO CMU OR CONCRETE WALL
ELEVATION VIEW
NOT-TO-SCALE



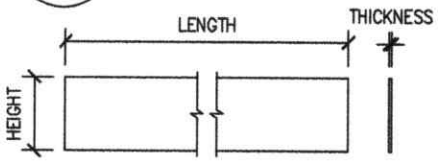
FACE FASTENING



BLIND FASTENING

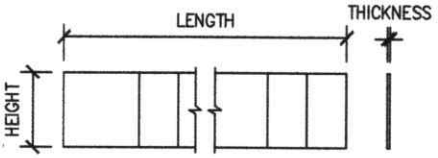
B/10 SIERRA/SAVANNAH INSTALL INTO CMU OR CONCRETE WALL
SECTION VIEW
NOT-TO-SCALE

LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
112"	6¼", 7¼", 8¼"	½"



C/10 SAVANNAH SMOOTH SIDING DIMENSIONS
NOT-TO-SCALE

LENGTH (IN.)	HEIGHT (IN.)	THICKNESS (IN.)
112"	8⅞"	½"

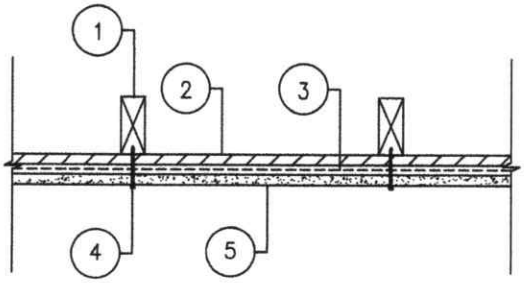


D/10 SIERRA SHAKE SIDING DIMENSIONS
NOT-TO-SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By
Miami-Dade Product Control

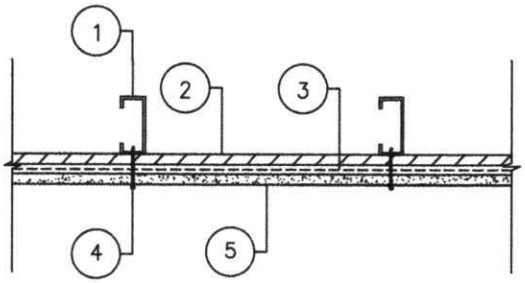
CHRISTOPHER W.C. BOWNESS LICENSE No 64748 FILE 0098 STATE OF FLORIDA PROFESSIONAL ENGINEER
2023-12-12

TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC	PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA				
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023	REV. 0	FOR PUBLICATION			CB
			ISSUE			APP
	DRAWING NO. 5876-SK1	SHEET NO. 10 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB



LIGHT–FRAMED STUD WALL INSTALLATION INTERIOR TO EXTERIOR	
1	WOOD STUDS PER DWG PAGE 2
2	PLYWOOD SHEATHING PER DWG PAGE 2
3	WEATHER RESISTANT BARRIER TO CODE
4	SIDING FASTENING PER DWG PAGE 2
5	SIERRA/SAVANNAH LAP SIDING

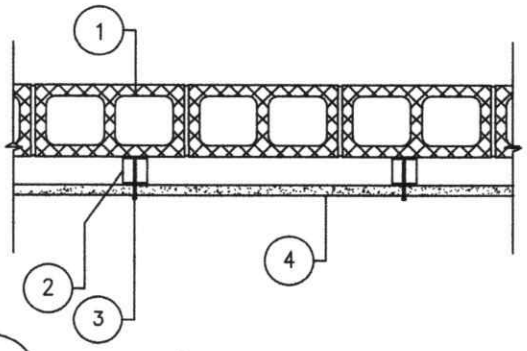
A / 11 SIERRA/SAVANAH INSTALL INTO WOOD STUDS
PLAN VIEW NOT–TO–SCALE



LIGHT–FRAMED STUD WALL INSTALLATION INTERIOR TO EXTERIOR	
1	STEEL STUDS PER DWG PAGE 2
2	PLYWOOD SHEATHING PER DWG PAGE 2
3	WEATHER RESISTANT BARRIER TO CODE
4	SIDING FASTENING PER DWG PAGE 2
5	SIERRA/SAVANNAH LAP SIDING

B / 11 SIERRA/SAVANNAH INSTALL INTO STEEL STUDS
PLAN VIEW NOT–TO–SCALE

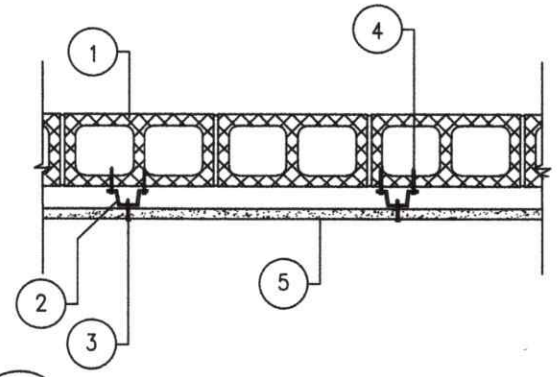
PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 23–1031.05
Expiration Date 06/01/2027
By
Miami–Dade Product Control



CMU/CONCRETE WALL INSTALLATION INTERIOR TO EXTERIOR	
1	CMU OR CONCRETE WALL PER DWG PAGE 2
2	WOOD FURRING PER DWG PAGE 2
3	SIDING FASTENING PER DWG PAGE 2
4	SIERRA/SAVANNAH LAP SIDING

NOTE:
1. FURRING FASTENING NOT SHOWN FOR CLARITY. SEE DWG PAGE 1.

C / 11 SIERRA/SAVANNAH INSTALL INTO WOOD FURRING AND CONCRETE
PLAN VIEW NOT–TO–SCALE



CMU/CONCRETE WALL INSTALLATION INTERIOR TO EXTERIOR	
1	CMU OR CONCRETE WALL PER DWG PAGE 2
2	STEEL FURRING PER DWG PAGE 2
3	SIDING FASTENING PER DWG PAGE 2
4	FURRING FASTENING PER DWG PAGE 2
5	SIERRA/SAVANNAH LAP SIDING

D / 11 SIERRA/SAVANNAH INSTALL INTO STEEL FURRING AND CONCRETE
PLAN VIEW NOT–TO–SCALE

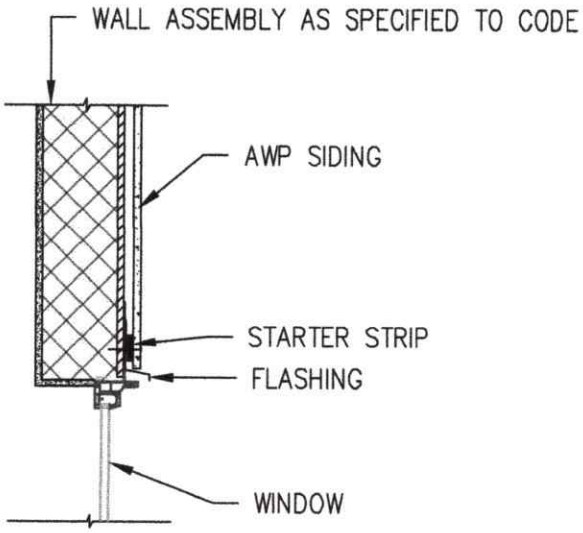
CHRISTOPHER W.C. BOWNESS ★ LICENSE ★ No 64748 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★
FILE 009B
2023-12-12

TITLE	CLIENT	PROJECT
NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	NICHIHA USA, INC	AWP/SIERRA/SAVANNAH MIAMI DADE NOA

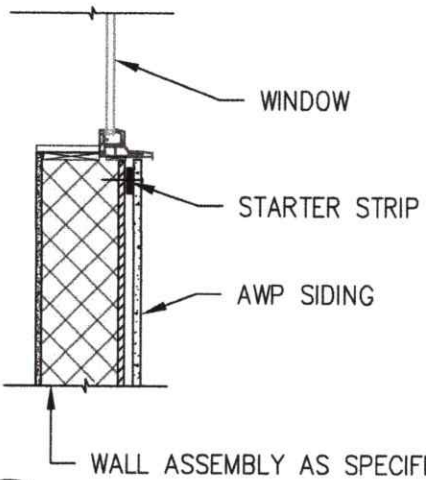
BOCA ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS
#203–1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250–477–7777
INFO@BOCAENGINEERING.COM
WWW.BOCAENGINEERING.COM

DATE	REV.		
DECEMBER 12, 2023	0	FOR PUBLICATION	CB
		ISSUE	APP

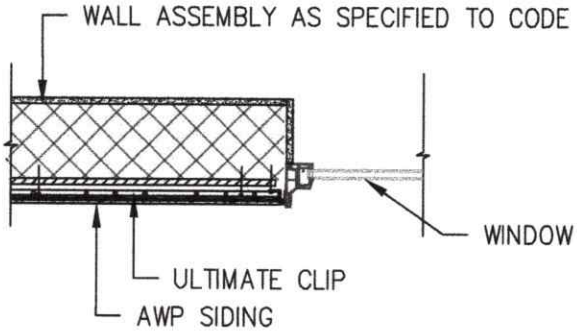
DRAWING NO.	SHEET NO.	SCALE	DES.	DRN.	CHK.
5876–SK1	11 OF 15	NOT TO SCALE	CB	NN	CB



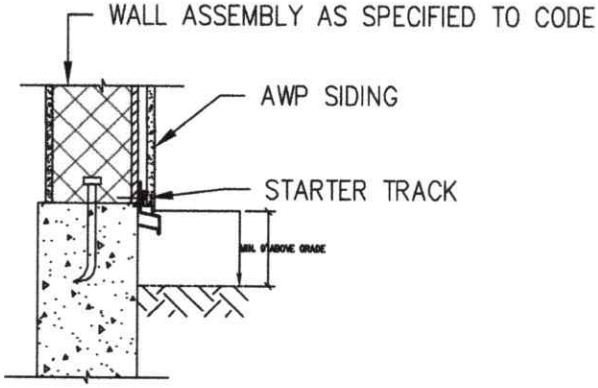
A / 12 — AWP WINDOW HEAD
SECTION VIEW NOT-TO-SCALE



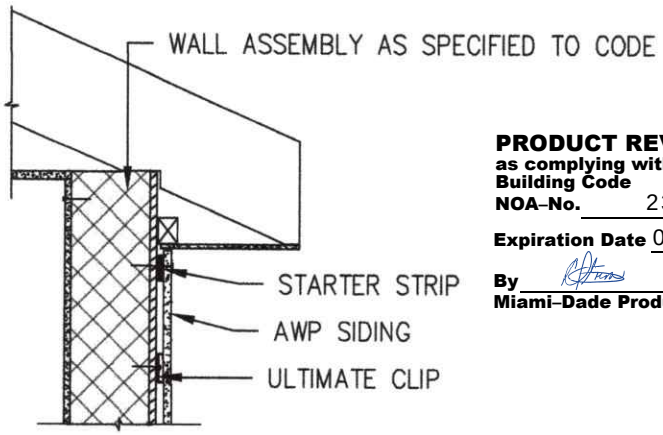
B / 12 — AWP WINDOW SILL
SECTION VIEW NOT-TO-SCALE



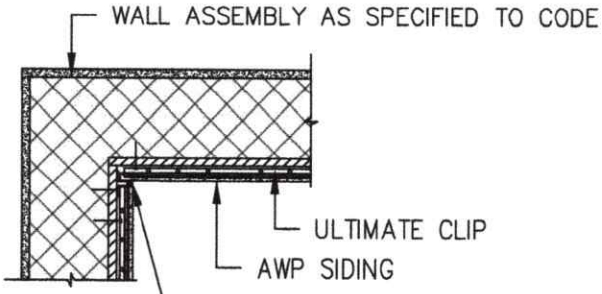
C / 12 — AWP WINDOW JAMB
PLAN VIEW NOT-TO-SCALE



D / 12 — AWP BOTTOM OF WALL TERMINATION
SECTION VIEW NOT-TO-SCALE



E / 12 — AWP TOP OF WALL TERMINATION
SECTION VIEW NOT-TO-SCALE

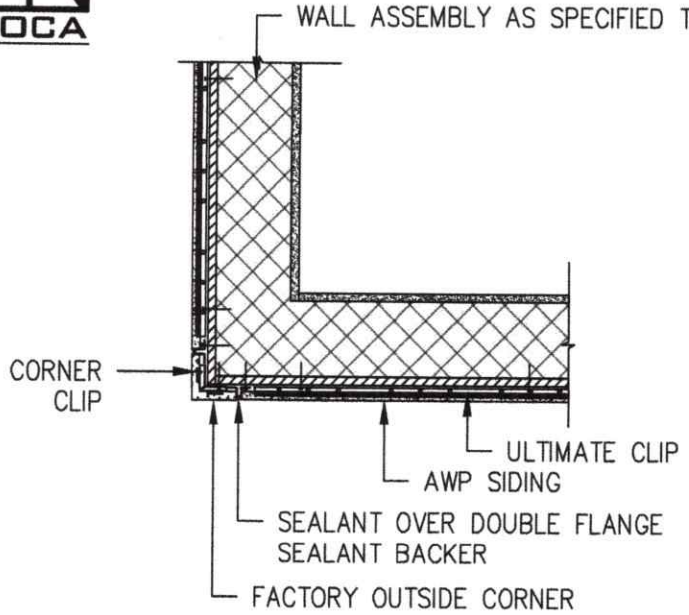


F / 12 — AWP INSIDE CORNER DETAIL
PLAN VIEW NOT-TO-SCALE

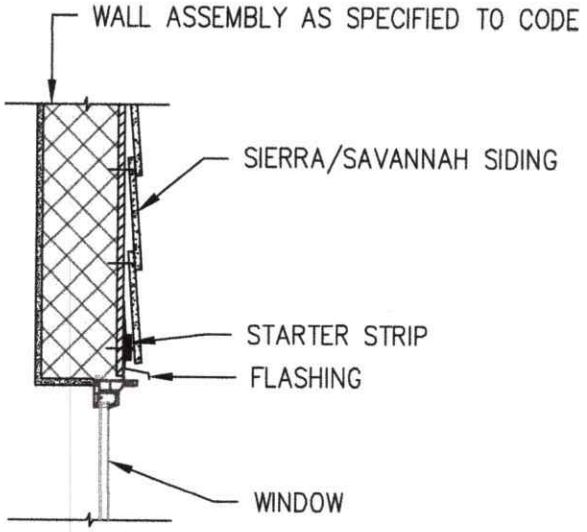
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By _____
Miami-Dade Product Control

CHRISTOPHER W.C. BOWNESS LICENSE No 64748 FILE 0098 STATE OF FLORIDA PROFESSIONAL ENGINEER
2023-12-12

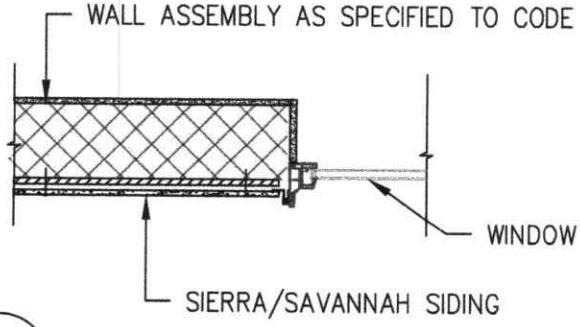
TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC	PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA				
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS 203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023	REV. 0	FOR PUBLICATION / ISSUE	CB / APP		
	DRAWING NO. 5876-SK1	SHEET NO. 12 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB



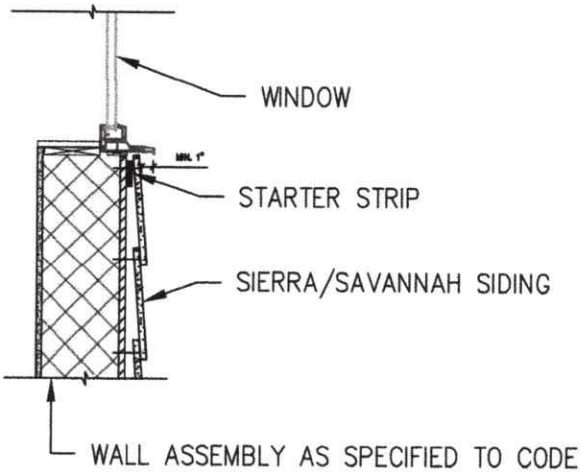
A / 13 AWP OUTSIDE CORNER DETAIL
PLAN VIEW NOT-TO-SCALE



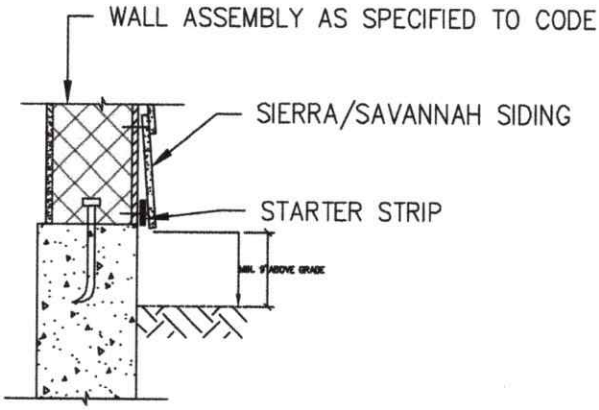
B / 13 SIERRA/SAVANNAH WINDOW HEAD
SECTION VIEW NOT-TO-SCALE



D / 13 SIERRA/SAVANNAH WINDOW JAMB
PLAN VIEW NOT-TO-SCALE



C / 13 SIERRA/SAVANNAH WINDOW SILL
SECTION VIEW NOT-TO-SCALE

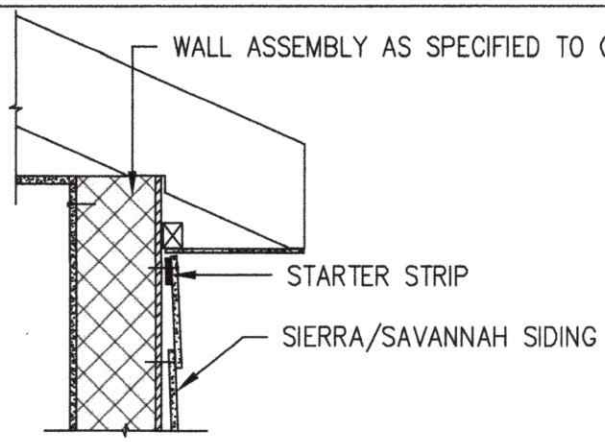


E / 13 SIERRA/SAVANNAH BOTTOM OF WALL TERMINATION
SECTION VIEW NOT-TO-SCALE

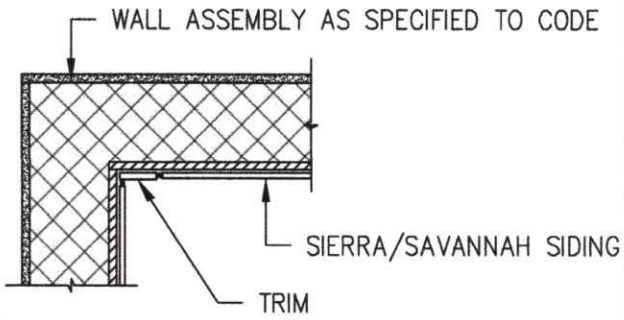
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By
Miami-Dade Product Control

CHRISTOPHER W.C. BOWLESS ★ LICENSE No 64748 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★
FILE 6098
2023-12-12

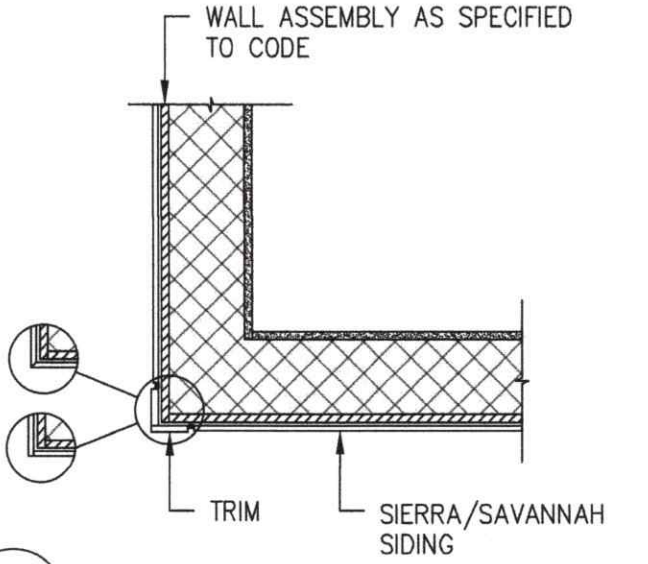
TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC	PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA				
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023	REV. 0	FOR PUBLICATION		CB	
			ISSUE		APP	
	DRAWING NO. 5876-SK1	SHEET NO. 13 OF 15	SCALE NOT TO SCALE	DES. CB	DRN. NN	CHK. CB



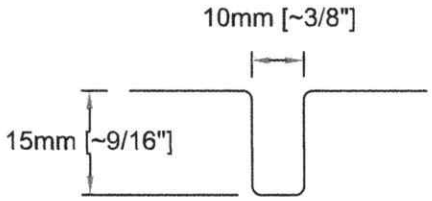
A / 14 SIERRA/SAVANNAH TOP OF WALL TERMINATION
SECTION VIEW NOT-TO-SCALE



B / 14 SIERRA/SAVANNAH INSIDE CORNER DETAIL
PLAN VIEW NOT-TO-SCALE

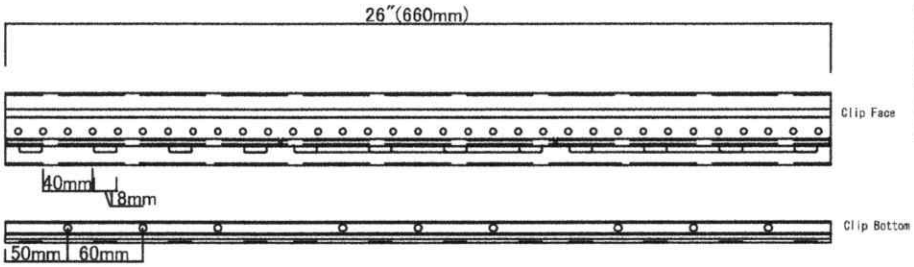


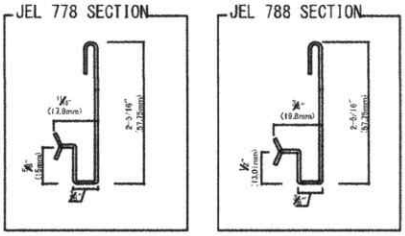
C / 14 SIERRA/SAVANNAH OUTSIDE CORNER DETAIL
PLAN VIEW NOT-TO-SCALE

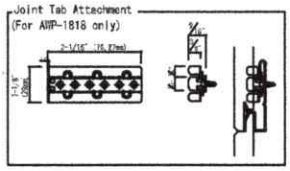


D / 14 DOUBLE FLANGE SEALANT BACKER – FH1015R
NOT-TO-SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By _____
Miami-Dade Product Control





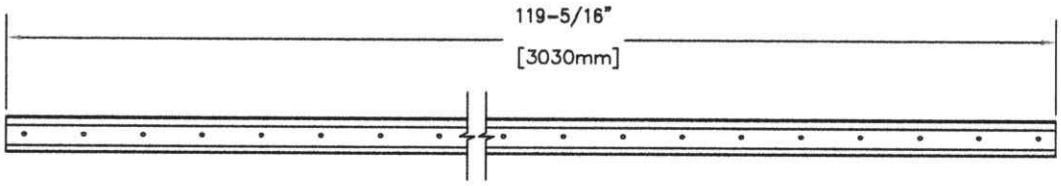


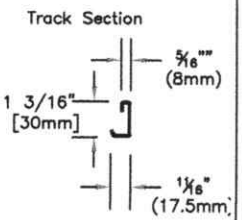
E / 14 AWP CLIPS – JEL778 AND JEL788
NOT-TO-SCALE

CHRISTOPHER W.C. BOWNESS LICENSE No 64748 STATE OF FLORIDA PROFESSIONAL ENGINEER
FILE 0096
2023-12-12

TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC	PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA				
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS	DATE: DECEMBER 12, 2023	REV. 0	FOR PUBLICATION		CB	
			ISSUE		APP	
	DRAWING NO. 5876-SK1	SHEET NO. 14 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB

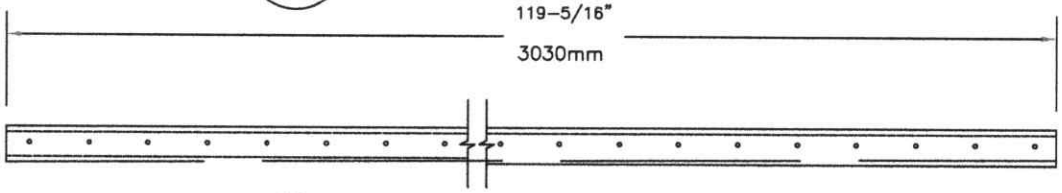
BOCA ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS
#203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777
INFO@BOCAENGINEERING.COM
WWW.BOCAENGINEERING.COM

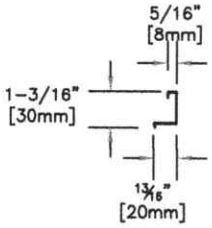




A/15 ULTIMATE HORIZONTAL STARTER TRACK – FA700

NOT-TO-SCALE





B/15 ULTIMATE VERTICAL STARTER TRACK – FA710T

NOT-TO-SCALE

LEGEND AND SYMBOLS

A/1 — DETAIL NUMBER / SHEET DRAWN

A/1 — SECTION NUMBER / SHEET DRAWN

TESTING AND CODE COMPLIANCE

1. THE SIDING PRODUCT ASSEMBLY SHOWN IS DESIGNED TO COMPLY WITH THE 8TH EDITION (2023) FLORIDA BUILDING CODE (FBC) HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING TEST STANDARDS FOR IMPACT, WIND PRESSURE, AND WIND-DRIVEN RAIN: TAS 201-94, TAS 202-94, TAS 203-94.
2. THE STRUCTURAL FRAMING AND SHEATHING SHALL BE DESIGNED AND ANCHORED TO PROVIDE LATERAL BRACING AND PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. FRAMING DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. THESE DRAWINGS APPLY TO THE TESTING ASSEMBLY ONLY AND DO NOT IMPLY THAT THE SIGNATORY ENGINEER IS THE DESIGNER OF RECORD FOR ANY FUTURE CONSTRUCTION ON WHICH THEY ARE USED.
4. SOME NON-STRUCTURAL COMPONENTS NOT SHOWN AND DO NOT IMPACT STRENGTH FOR ATTACHMENT. TO BE INSTALLED PER CODE AND MAY INCLUDE: FLASHING, INTERIOR INSULATION, INTERIOR FINISH.

INSTALLATION

THE INSTALLATION DETAILS DESCRIBED ARE OF THE LABORATORY TESTED ASSEMBLY AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, THE LICENSED ENGINEER OR ARCHITECT PREPARED SITE-SPECIFIC DOCUMENTS SHALL BE USED.

SHEATHING

1. WOOD-BASED STRUCTURAL SHEATHING: PLYWOOD – US PRODUCT STANDARD PS 1 OR PS 2

FASTENERS

1. WOOD SCREWS: ASME B18.6.1
2. METAL SCREWS: AISI S240, ASTM C1513

FRAMING/WALL

1. WOOD FRAMING: MIN. 2x4 S.G. 0.42, COMPLIANCE WITH US PRODUCT STANDARD PS 20
2. METAL FRAMING: MIN. 18 GAUGE U.N.O., Fy = 33ksi, COMPLIANCE WITH AISI S100
3. CMU WALL: LIGHT-WEIGHT OR MEDIUM-WEIGHT, COMPLIANCE WITH ASTM C90
4. CONCRETE WALL: MIN. 2500 PSI, COMPLIANCE WITH ACI 318

FIBER CEMENT

1. FIBER CEMENT CLADDING, COMPLIANCE WITH ASTM C1186 GRADE A TYPE 2

AWP CLIPS

1. SHEET METAL: 3/16" THICK, Fy = 27.5ksi, COMPLIANCE WITH ASTM A568
2. ZAM CORROSION RESISTANCE COATING, COMPLIANCE ASTM A1046

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1031.05
Expiration Date 06/01/2027
By
Miami-Dade Product Control

CHRISTOPHER W.C. BOWNESS
LICENSE
No 64748
FILE 0098
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2023-12-12

TITLE: NICHIHA AWP/SIERRA/SAVANNAH ASSEMBLY DRAWINGS	CLIENT: NICHIHA USA, INC		PROJECT: AWP/SIERRA/SAVANNAH MIAMI DADE NOA			
BOCA ENGINEERING STRUCTURAL AND CIVIL ENGINEERS #203-1001 CLOVERDALE AVE, VICTORIA BC V8X 4C9 250-477-7777 INFO@BOCAENGINEERING.COM WWW.BOCAENGINEERING.COM	DATE: DECEMBER 12, 2023	REV. 0	FOR PUBLICATION / ISSUE			CB / APP
	DRAWING NO. 5876-SK1	SHEET NO. 15 OF 15	SCALE: NOT TO SCALE	DES. CB	DRN. NN	CHK. CB