



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

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

NOTICE OF ACCEPTANCE (NOA)

NCI Group, Inc.
14031 West Hardy
Houston, TX 77060

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Double-Lok" 0.024" (min.) Structural Standing Seam Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. Dade County, titled "Double-Lok Roof Panel", sheets 1 through 10 of 10, dated February 23, 2018, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on February 23, 2018, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "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 #18-1011.04 and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
12/12/2019

NOA No. 19-1119.01
Expiration Date: 02/25/2025
Approval Date: 12/12/2019
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0920.02

A. DRAWINGS

1. *Drawing No. DL-001, titled "DoubleLok Panel ", sheets 1 through 10 of 10, dated July 25, 2006, prepared by Metal Building Components, Inc. LP, signed and sealed by Mark Detwiler, P.E. on January 05, 2009.*

B. TESTS

1. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 12" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06L, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
2. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 12" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-061-K, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
3. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 18" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06E-G, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
4. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 24" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06A-C, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
5. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 24" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06D, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
6. *Test report on: 2000 hours Accelerated Weathering per ASTM G23, prepared by The Valspar Corporation, dated 08/12/98, signed by Clark Higginbotham.*
7. *Susceptibility to leakage test in accordance with Miami-Dade County Protocol PA 114 Appendix G, prepared by Farabaugh Engineering and Testing, Inc., Report No. T170-06, dated 06/07/2006, signed and sealed by Daniel G. Farabaugh, P.E.*
8. *Test report on Large Missile Impact Test, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T169-06, dated 06/07/2006, signed and sealed by Daniel G. Farabaugh, P.E.*

C. CALCULATIONS

1. *Calculations titled "DoubleLok 12", 18", 24" 24 ga., 6 pages, prepared by Mark Detwiler, P.E. on 01/05/09, signed and sealed by Mark Detwiler, P.E. on 01/05/09.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Tensile Test on each specimen tested, prepared by Bodycote Materials Testing, Inc.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor

NOA No. 19-1119.01

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PEVIOUS APPROVAL # 11-0810.04

A. DRAWINGS

1. *Drawing No. Dade County, titled " DoubleLok Panel ", sheets 1 through 10 of 10, dated July 27, 2011, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on July 27, 2011.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Bill of Sale, Assignment and Assumption Agreement.*

3. EVIDENCE SUBMITTED UNDER PEVIOUS APPROVAL # 13-0425.14

A. DRAWINGS

1. *Drawing No. Dade County, titled " DoubleLok Roof Panel ", sheets 1 through 10 of 10, dated April 16, 2013, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on April 16, 2013.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
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NCI Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PEVIOUS APPROVAL # 15-0505.28

A. DRAWINGS

1. *Drawing No. Dade County, titled " DoubleLok Roof Panel ", sheets 1 through 10 of 10, dated April 14, 2015, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on April 14, 2015.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

5. EVIDENCE SUBMITTED UNDER PEVIOUS APPROVAL # 18-0312.07

A. DRAWINGS

1. *Drawing No. Dade County, titled " DoubleLok Roof Panel ", sheets 1 through 10 of 10, dated February 23, 2018, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on February 23, 2018.*

B. TESTS

1. *None.*

C. CALCULATIONS

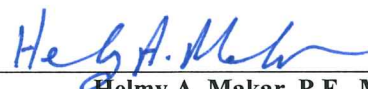
1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*



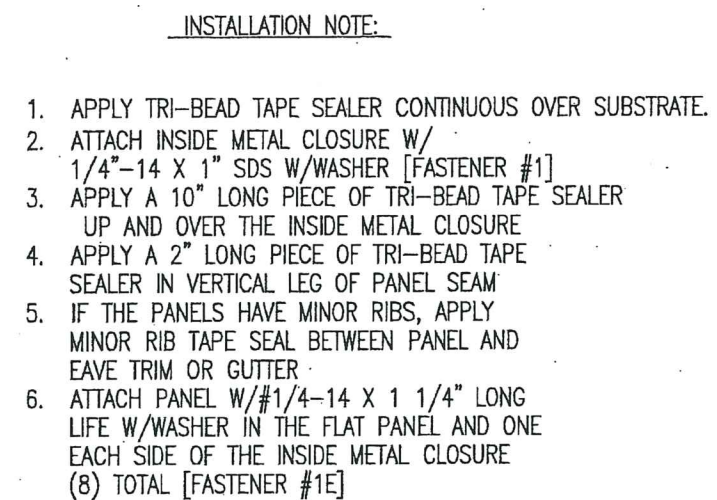
Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 19-1119.01
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Approval Date: 12/12/2019

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 6. EVIDENCE SUBMITTED UNDER PEVIOUS APPROVAL # 18-1011.04**
- A. DRAWINGS**
1. *None.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATIONS**
1. *None.*
- 7. NEW EVIDENCE SUBMITTED**
- A. DRAWINGS**
1. *None.*
- B. TESTS**
1. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 24" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0138T-19A,B, dated September 13, 2019, signed and sealed by Terrence E. Wolfe, P.E.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATIONS**
1. *None.*

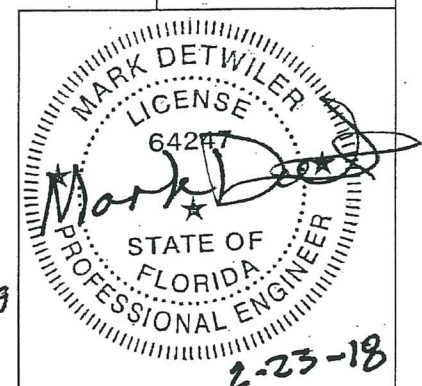


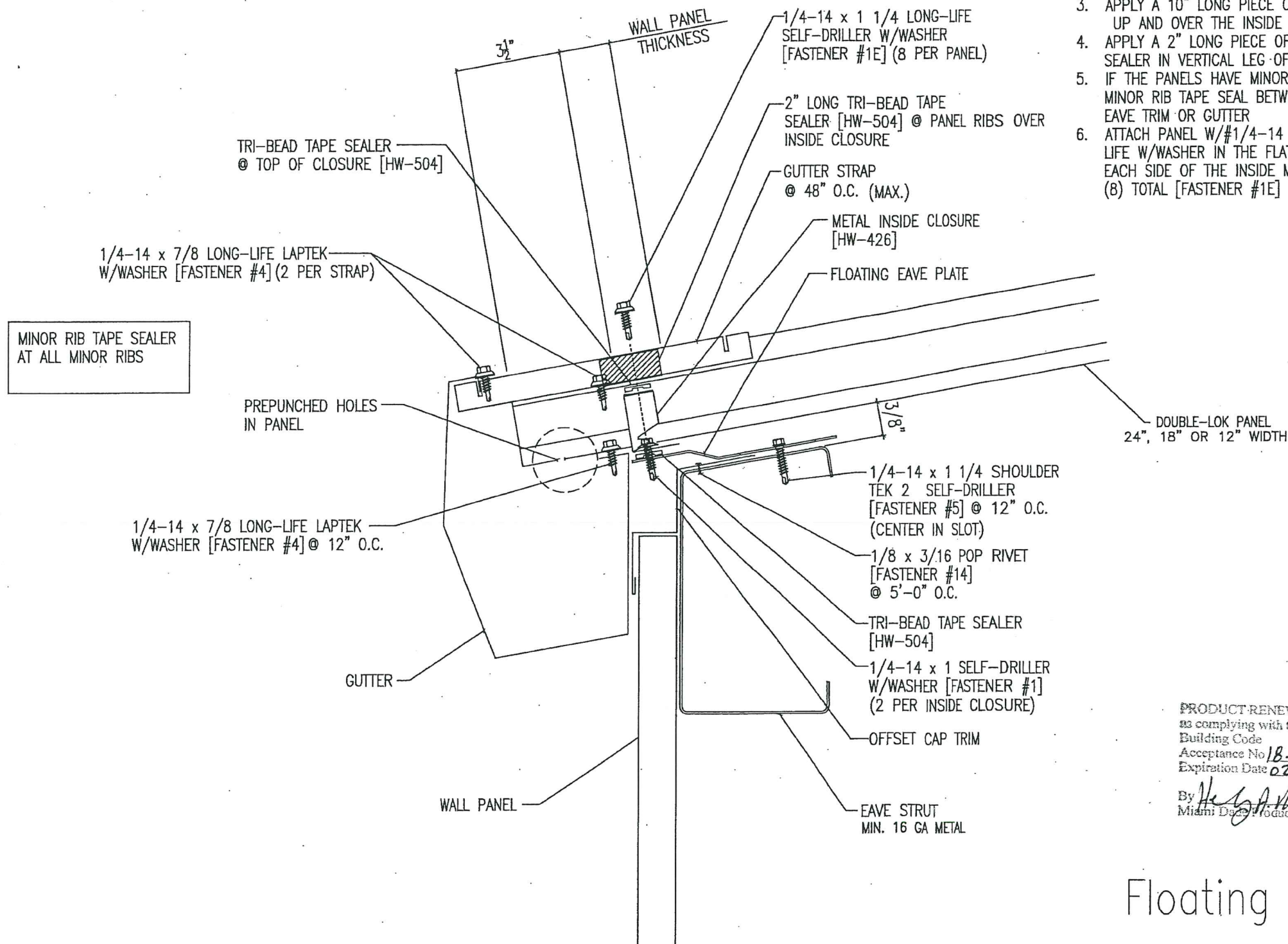
Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 19-1119.01
Expiration Date: 02/25/2025
Approval Date: 12/12/2019



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 18-1011.04
Expiration Date 02/25/2020
By H. G. A. Mohr
Miami Dept Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 18-0312-07
Expiration Date 02/25/2019
By *[Signature]*
Miami-Dade County





INSTALLATION NOTE:

1. APPLY TRI-BEAD TAPE SEALER CONTINUOUS OVER SUBSTRATE.
2. ATTACH INSIDE METAL CLOSURE W/ 1/4"-14 X 1" SDS W/WASHER [FASTENER #1]
3. APPLY A 10" LONG PIECE OF TRI-BEAD TAPE SEALER UP AND OVER THE INSIDE METAL CLOSURE
4. APPLY A 2" LONG PIECE OF TRI-BEAD TAPE SEALER IN VERTICAL LEG OF PANEL SEAM
5. IF THE PANELS HAVE MINOR RIBS, APPLY MINOR RIB TAPE SEAL BETWEEN PANEL AND EAVE TRIM OR GUTTER
6. ATTACH PANEL W/1/4-14 X 1 1/4" LONG LIFE W/WASHER IN THE FLAT PANEL AND ONE EACH SIDE OF THE INSIDE METAL CLOSURE (8) TOTAL [FASTENER #1E]

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Miami Dade Product Control

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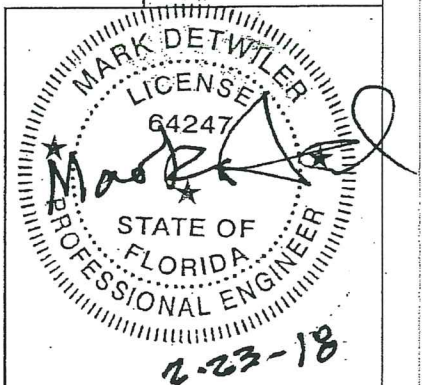
Floating Eave Detail

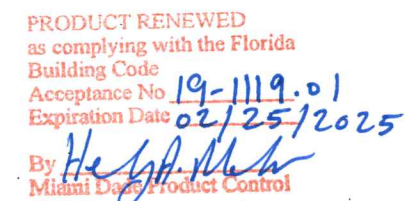
Revision	Date	Description	By	CK'd

<p>NGI GROUP, INC. CORPORATE OFFICES 1730 FAIRVIEW DR. HOUSTON TX 77041 (800) 777-5378 HOUSTON TX 77041-2020 SHEET TITLE: DOUBLELOK ROOF PANEL</p>	<p>Project Name and Location: DADE COUNTY PRODUCT APPROVAL DADE COUNTY, FLORIDA</p>
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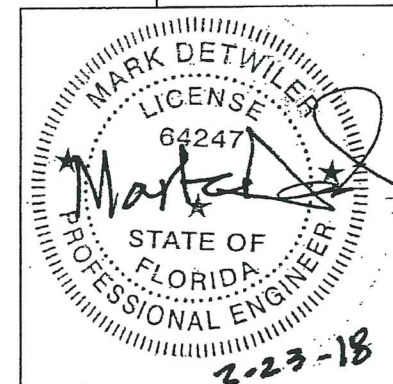
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Drawn by: EH
Checked by: JA
Job Number: DADE COUNTY
Sheet Number: 2/10

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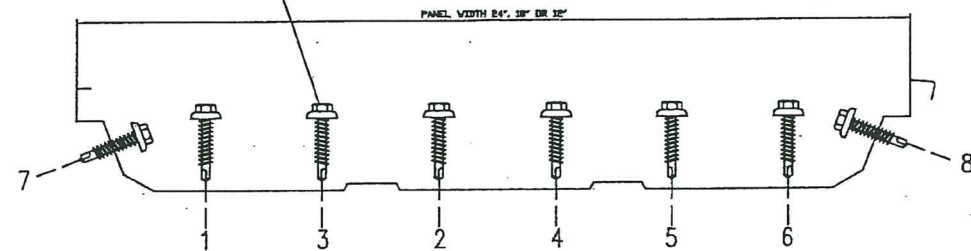




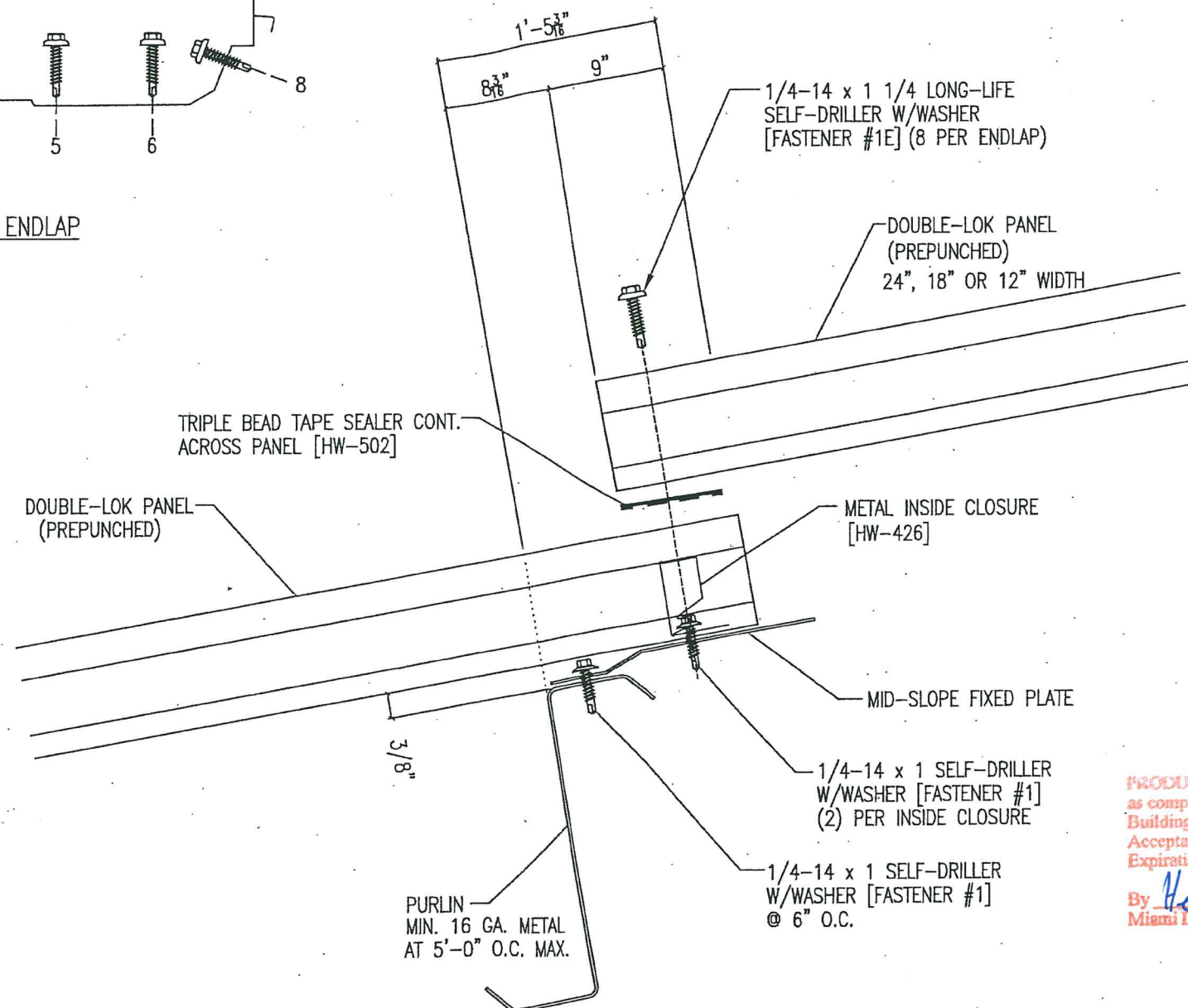
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By Heidi A. Miller
Miami Dept. Product Control



1/4-14 x 1 1/4 LONG-LIFE
SELF-DRILLER W/WASHER
[FASTENER #1E] (8 PER ENDLAP)



FASTENER SEQUENCE @ ENDLAP



Fixed Endlap Detail

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Revision	Date	Description	By	CK'd

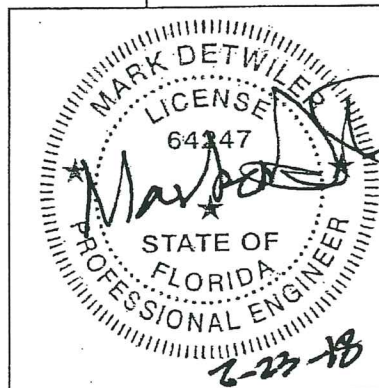
NGI GROUP, INC.
CORPORATE OFFICES: 17301 FAIRVIEW DR., HOUSTON TX 77041, (800) 777-9378
HOUSTON, TX 77041, (281) 462-4820
SALES: (281) 462-4820

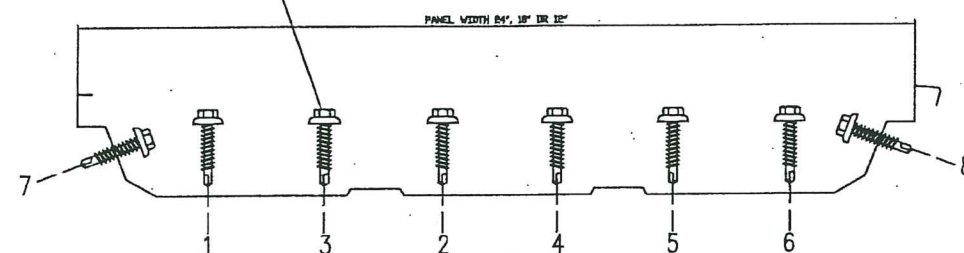
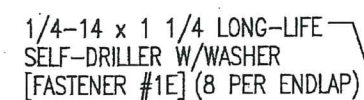
Project Name and Location:
DADE COUNTY PRODUCT APPROVAL
DADE COUNTY, FLORIDA

SHEET TITLE:
DOUBLELOK ROOF PANEL

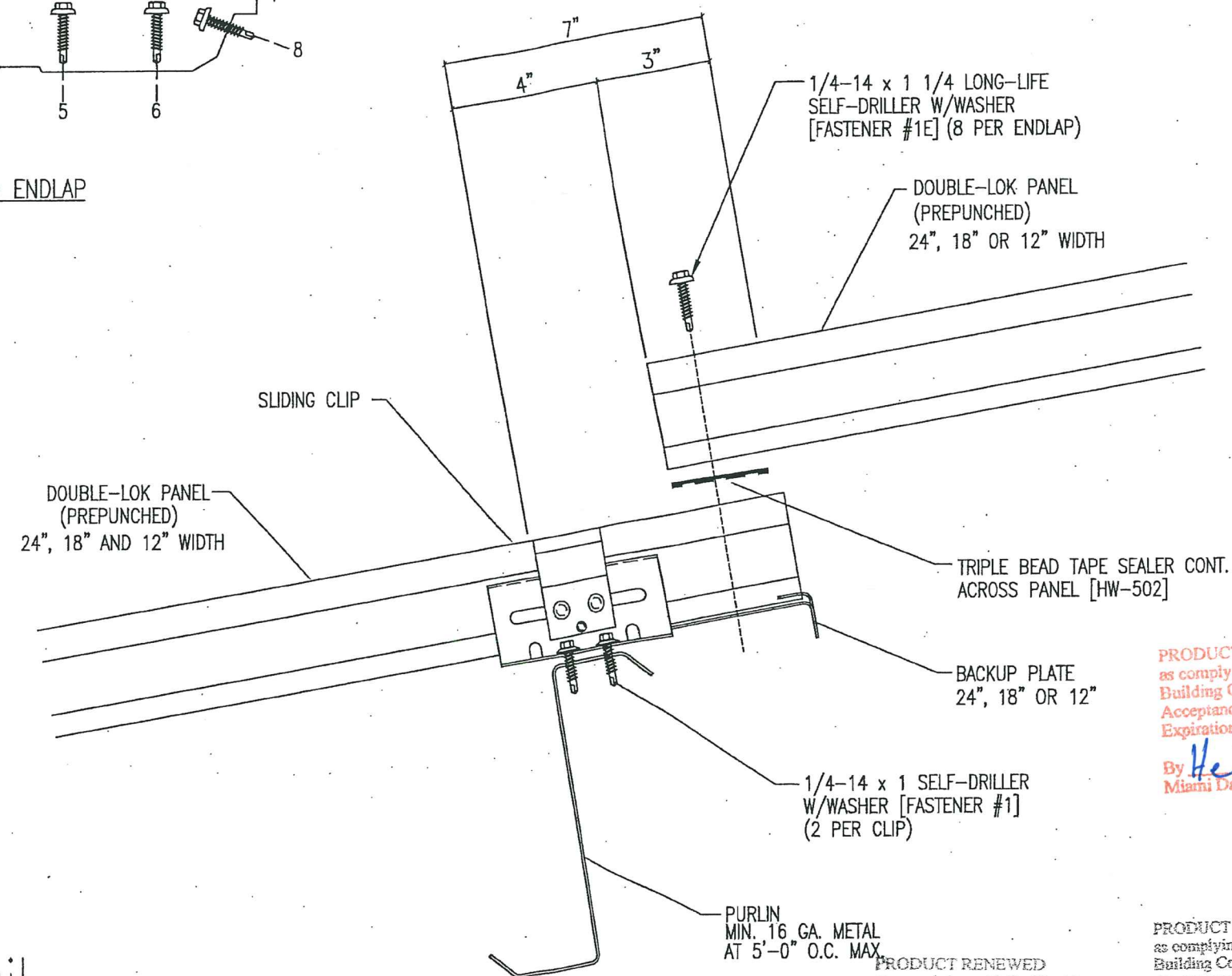
Scale: NOT TO SCALE
Drawn by: EH
Checked by: JA
Job Number: DADE COUNTY
Sheet Number: 4/10

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FASTENER SEQUENCE @ ENDLAP




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By H. G. A. M. W.
Miami Dept Product Control

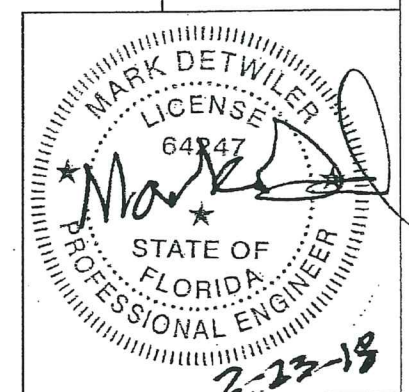
Floating Endlap Detail

[illegible]

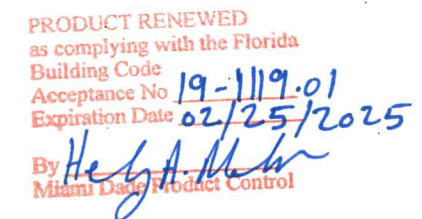
 <p> NGL GROUP, INC. CORPORATE OFFICES: 7264 FARMVIEW DR. HOUSTON TX 77041 2820 771-4378 MAILING: P.O. BOX 46220 HOUSTON TX 77244-9220 </p>	<p> Project Name and Location: DADE COUNTY PRODUCT APPROVAL DADE COUNTY, FLORIDA </p>
<p> SHEET TITLE: DOUBLEDK RIDGE PANEL </p>	

Scale:	NOT TO SCALE
Drawn by:	EH
Checked by:	JA
Job Number:	DADE COUNTY
Sheet Number:	5/10

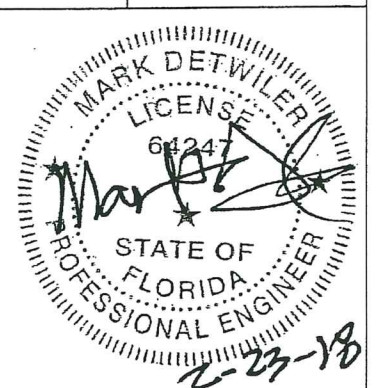
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ATTACH S5! DL WINDCLAMP AT EVERY SLIDINGCLIP LOCATION



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as complying with the Florida
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Expiration Date 02/25/2019
By *Heidi P. Miller*
Miami Dade Product Control

[illegible]

S-51™ DL WINDCLAMP
[HW-568]

ROOF PANEL

ROOF PANEL CLIP

PURLIN
MIN. 16 GA. METAL
AT 5'-0" O.C. MAX.

PRODUCT REVIEW
as complying with
Building Code
Acceptance No. 19
Expiration Date 01/11/11

Diagram illustrating the assembly of a roof panel clip. The components shown are:

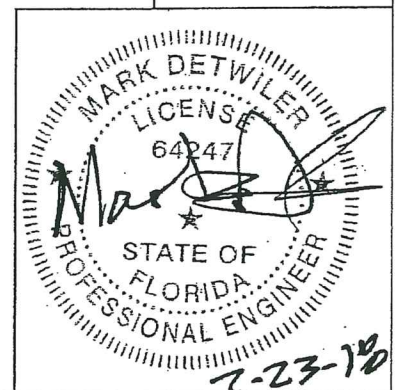
- NDCLAMP**: A clamp used to secure the roof panel clip.
- ROOF PANEL**: The panel being attached to the purlin.
- ROOF PANEL CLIP**: The clip used to fasten the roof panel to the purlin.
- PURLIN**: The structural member supporting the roof panel.

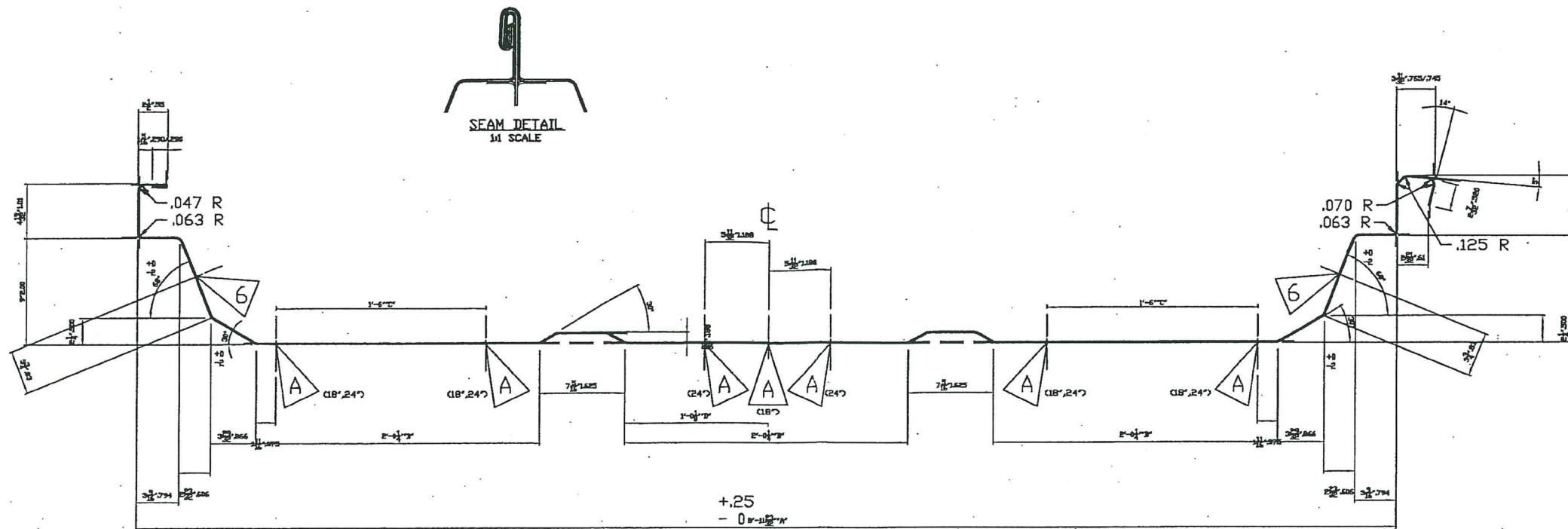
PURLIN
- MIN. 16 GA. METAL
AT 5'-0" O.C. MAX.

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By Heidi M. [Signature]
Miami-Dade Product Control

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By Heidi A. M...
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Miami Dade Product Control

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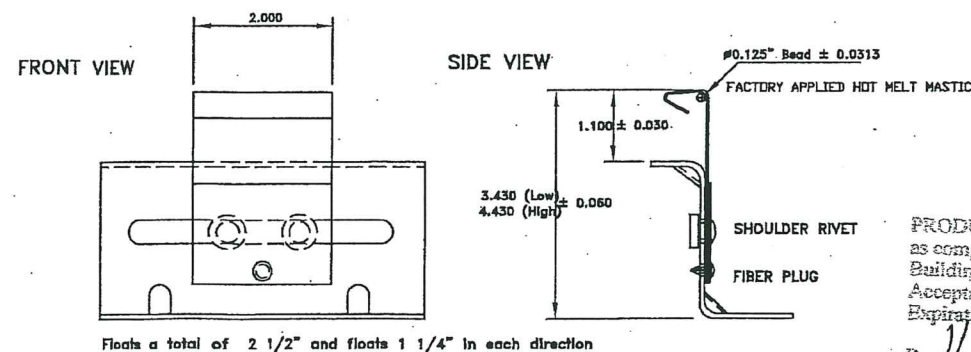


NOTES:

- △ 5/16 DIAMETER HOLES ARE IN RIBBED PANELS ONLY & ARE 1.5" BACK FROM BOTH ENDS OF PANEL. (6 HOLES EACH END 24")
(5 HOLES EACH END 18")

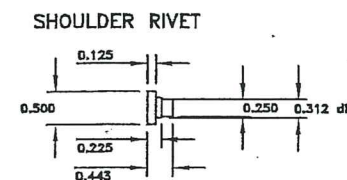
HOLE LOCATIONS			COVERAGE	DIM "A"	DIM "B"	RIBS	STRIP WIDTH
COVERAGE	DIM "C"	DIM "D"	12"	11.94	—	NO	17.94*
24"	4.000	2.693	24"	23.94	5.386	YES	29.94*
18"	2.187	1.693	18"	17.94	3.386	YES	23.94*

*STRIP WIDTH TOLERANCE $\pm 1/8$ -0



Floors a total of 2 1/2" and floors 1 1/4" in each direction

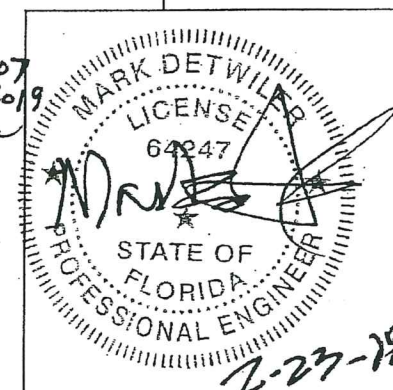
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Low Double-Lok Sliding Clip HW-2122
High Double-Lok Sliding Clip HW-2124

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NCI GROUP, INC.
CORPORATE OFFICES: 1730 FAIRVIEW DR. HOUSTON TX 77041 800 771-9378
PALMDALE 1141 BOX 4020 PALMDALE TX 93550-0020
SHEET TITLE: DOUBLELOK ROOF PANEL
Project Name and Location: DADE COUNTY PRODUCT APPROVAL
DADE COUNTY, FLORIDA

Scale: NOT TO SCALE
Drawn by: EH
Checked by: JA
Job Number: DADE COUNTY
Sheet Number: 9/10

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PANEL PROPERTIES

PANEL ACCESSORIES

PERMATHANE URETHANE CAULK

NOTES:

1. THE 24 GAUGE DOUBLELOK STANDING SEAM ROOF PANELS SHALL BE USED FOR ROOF CONSTRUCTION ONLY.
THE ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS INCLUDING:
 - a. DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
 - b. ASSEMBLY DETAILS INCLUDING ALL CONNECTION'S FASTENERS DIAGRAM WITH SIZE AND LOCATION.

- 2A. THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLE:

DOUBLELOK 12"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 200.00 FT-LBS/FT

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 160.00 FT-LBS/FT

MAXIMUM PANEL REACTION AT SUPPORTS = 440.00 LBS

MAXIMUM ALLOWABLE DEFLECTION OF PANEL = $L/240$

PANEL'S EI VALUE = 2.695.835.52 LB-IN²

THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

- 2B. THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLE:

DOUBLELOK 18"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 71.20 FT-LBS/FT

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 56.96 FT-LBS/FT

MAXIMUM PANEL REACTION AT SUPPORTS = 156.64 LBS

MAXIMUM ALLOWABLE DEFLECTION OF PANEL = $L/240$

PANEL'S EI VALUE = 848,931.84 LB-IN²

THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

- 2C. THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLE:

DOUBLELOK 24"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 53.33 FT-LBS/FT

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 42.66 FT-LBS/FT.

MAXIMUM PANEL REACTION AT SUPPORTS = 117.32 LBS

MAXIMUM ALLOWABLE DEFLECTION OF PANEL = $L/240$

PANEL'S EI VALUE = 635,804.64 LB-IN²

THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

3. ALL PANEL SUBMEMBERS SHALL BE STEEL WITH 16 GA. MINIMUM THICKNESS.
4. THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC) FOR USE WITH 6TH EDITION (2017) FBC AND THE 2014 FBC AS APPLICABLE THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-10 MUST BE MULTIPLIED BY 0.60.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 19-1119.
Expiration Date 02/15/

By H. A. M.
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 18-1011.04
Expiration Date 02/25/2020

By Hubert A. Mah
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 18-0312.07
Expiration Date 02/25/2019

Missouri Data Product Control

