



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: "DoubleLok" 0.024" (min.) Structural Standing Seam Steel Roof Panel

APPROVAL DOCUMENT: 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, bearing the Miami-Dade County Product Control Revision 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 revises NOA # 13-0425.14 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

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



Helmy A. Makar
10/29/2015

NOA No. 15-0505.28
Expiration Date: 02/25/2019
Approval Date: 10/29/2015
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-06I-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. 15-0505.28
Expiration Date: 02/25/2019
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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. NEW EVIDENCE SUBMITTED

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

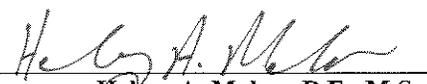
1. *None.*

D. QUALITY ASSURANCE

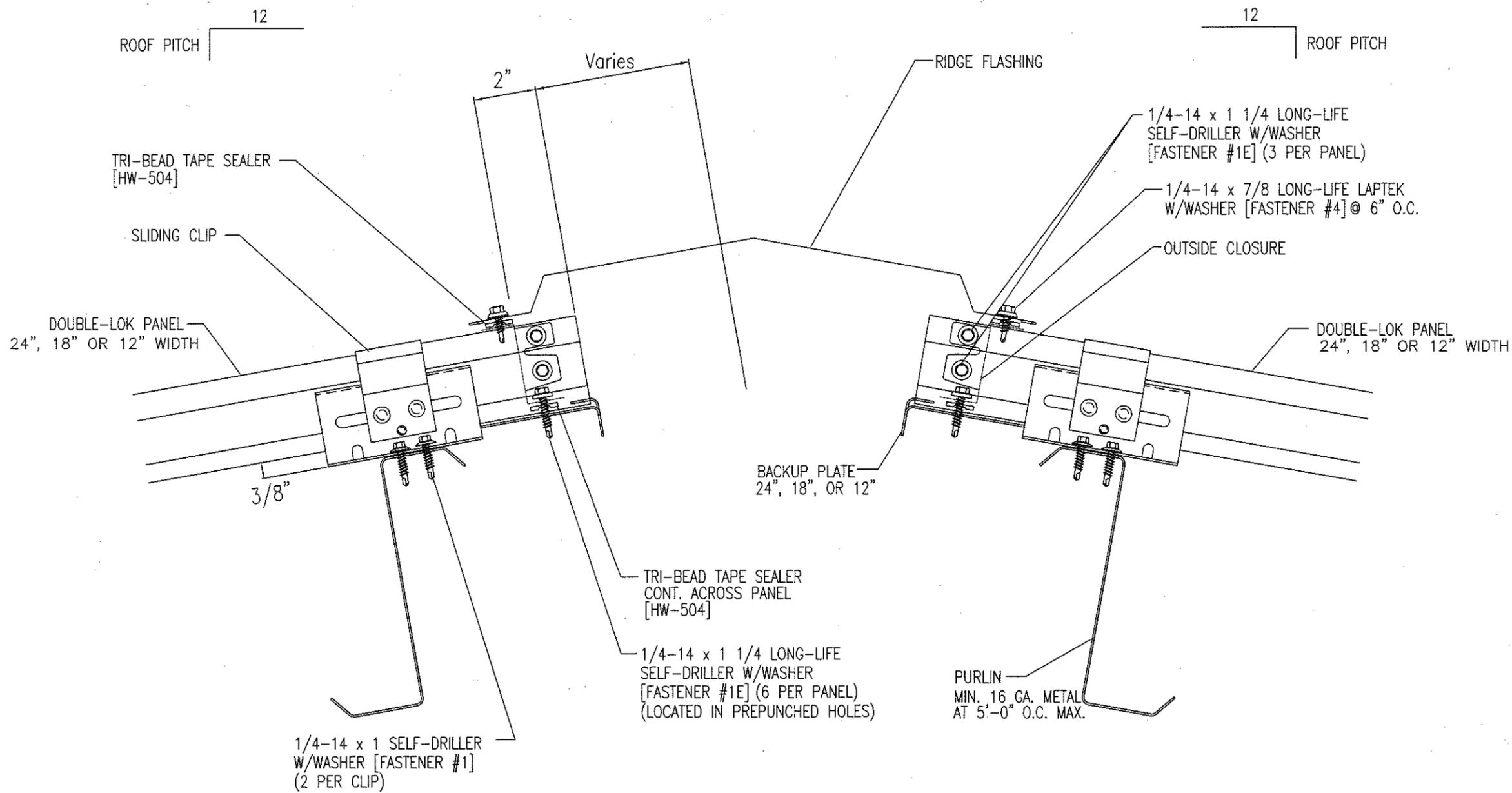
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 15-0505.28
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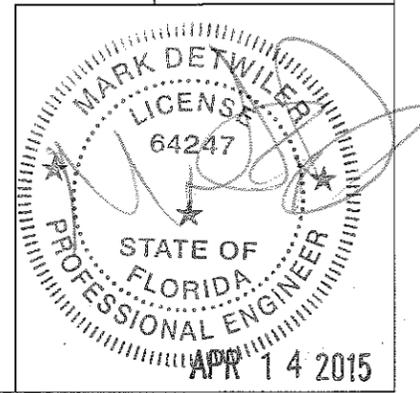
Revision	Date	Description	By	Ck'd

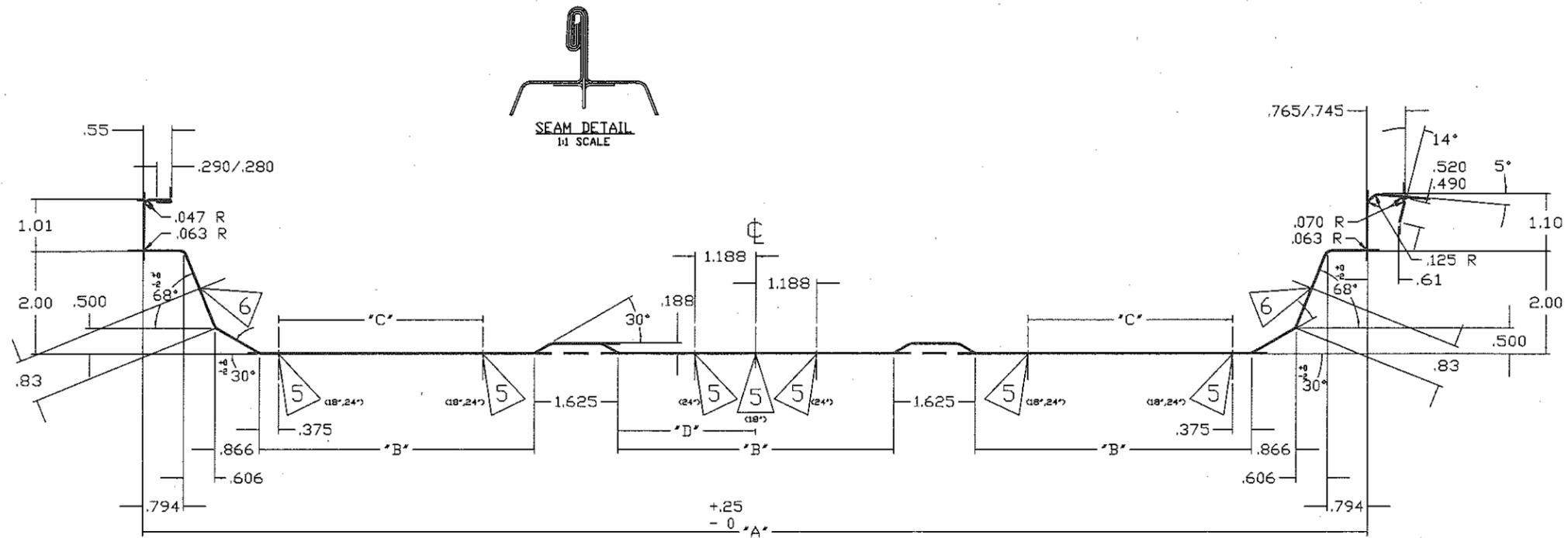
nci GROUP, INC.
 CORPORATE OFFICES 7301 FAIRVIEW DR. HOUSTON TX 77041 (800) 777-9078
 HOUSTON TX 77040-8820
 MAILING P.O. BOX 4820
 HOUSTON TX 77040-8820
 Project Name and Location:
 DADE COUNTY PRODUCT APPROVAL
 DADE COUNTY, FLORIDA
 SHEET TITLE:
 DOUBLELOK ROOF PANEL

Scale: NOT TO SCALE
 Drawn by: EH
 Checked by: JA
 Job Number: DADE COUNTY
 Sheet Number: 6/10

THESE DRAWINGS AND THE METAL COMPONENTS THEY REPRESENT ARE THE PRODUCT OF NCI GROUP OR ANOTHER DIVISION OR AFFILIATE OF NCI GROUP, INC. - 7301 FAIRVIEW DR. HOUSTON TX 77041. THE ENGINEER WHOSE SEAL APPEARS HEREON IS EMPLOYED BY NCI GROUP OR ANOTHER DIVISION OR AFFILIATE OF NCI GROUP, INC. AND IS NOT THE ENGINEER OF RECORD FOR THIS PROJECT. THESE DRAWINGS MUST BE REVIEWED FOR PROJECT COMPLIANCE BY THE ENGINEER OF RECORD.

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 as complying with the Florida
 Building Code
 Acceptance No 15-0505.28
 Expiration Date 07/25/2019
 By *Heidi A. Mohr*
 Miami Dade Product Control





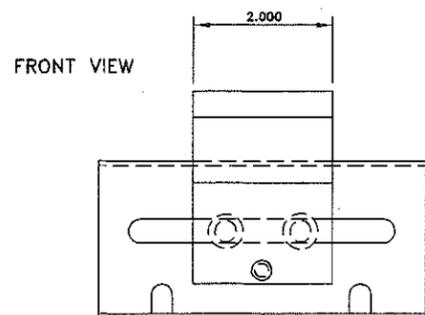
NOTES:

A 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")

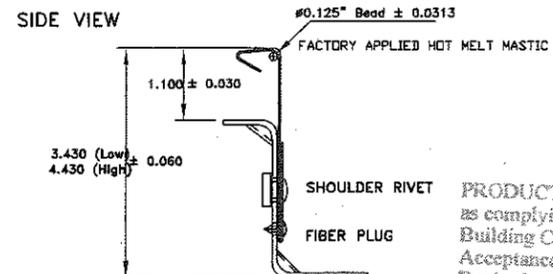
HOLE LOCATIONS			COVERAGE	DIM 'A'	DIM 'B'	RIBS	STRIP WIDTH
COVERAGE	DIM 'C'	DIM 'D'					
12"	11.94		NO	17.94*			
24"	4.000	2.693	YES	29.94*			
18"	2.187	1.693	YES	23.94*			

*STRIP WIDTH TOLERANCE +1/8/-0

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

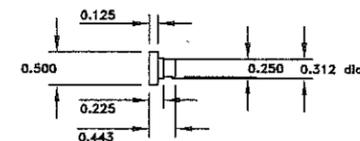


Floats a total of 2 1/2" and floats 1 1/4" in each direction



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By *Heidi A. Miller*
Miami Dade Product Control

SHOULDER RIVET



CK'd	By	Description	Date	Revision

ncg GROUP, INC.
CORPORATE OFFICES 17301 FAIRVIEW DR. HOUSTON TX 77041 (800) 777-9378
HOUSTON TX 77041-4820
P.O. BOX 4820 HOUSTON TX 77041-4820
Project Name and Location:
DADE COUNTY PRODUCT APPROVAL
DADE COUNTY, FLORIDA
SHEET TITLE:
DOUBLELOK ROOF PANEL

Scale: NOT TO SCALE

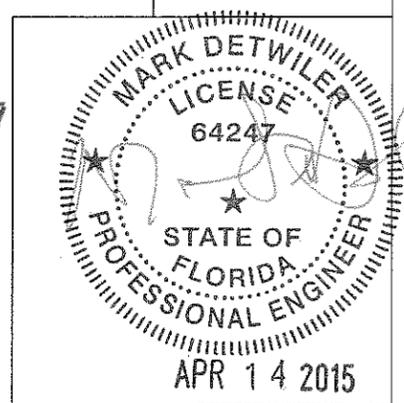
Drawn by: EH

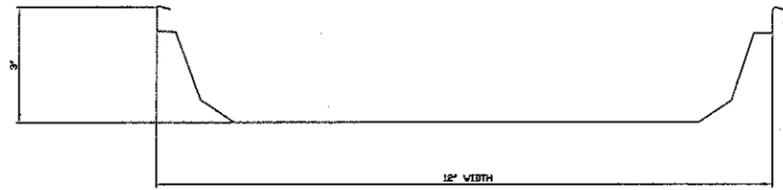
Checked by: JA

Job Number: DADE COUNTY

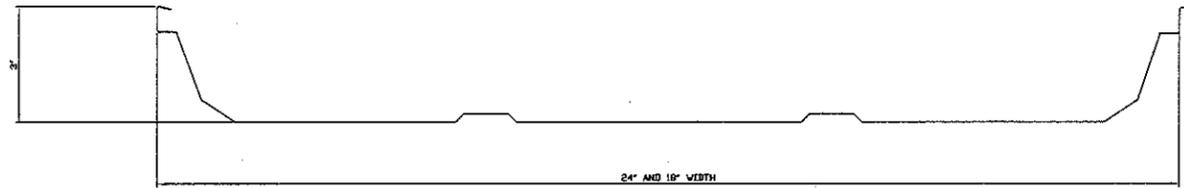
Sheet Number: 9/10

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DOUBLE-LOK PANEL PROFILE



DOUBLE-LOK PANEL PROFILE

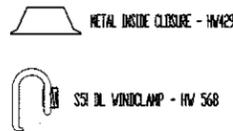
PANEL PROPERTIES

PANEL GAUGE	PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	HARDNESS	STEEL COATING	PAINT COATINGS
24	.024 MIN.	50 KSI	55-70 KSI	20-36%	50-65 HRB	AZ 55	SIG 300 KYNAR

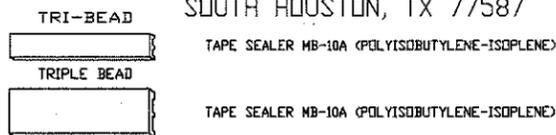
PANEL ACCESSORIES

CONSTRUCTION FASTENERS INC.
 SPRING STREET AND VAN REED ROAD
 P.O. BOX 6326, WYOMISSING PA 19610

- #14 X 7/8" LAP TEX W/SEAL WASHER LONG LIFE - FASTENER #14
- 1/4-14 X 1 1/4 SDS W/ WASHER LONG LIFE - FASTENER #1E
- 1/4-14 X 1 SDS W/ WASHER - FASTENER #11
- 1/4-14 X 1 1/4 SHOULDER TEX SDS - FASTENER #5
- #10-16 PANCAKE HEAD SDS - FASTENER #12
- 1/4-14 X 1 ZAC STS W/ WASHER - FASTENER #18



GULF-SEAL SPECIALTIES, INC.
 P.O. BOX 508
 SOUTH HOUSTON, TX 77587



SCHNEE-MOREHEAD, INC.
 111 NORTH NURSERY ROAD
 IRVING, TX 75060



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 ALLOWABLES:
 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".

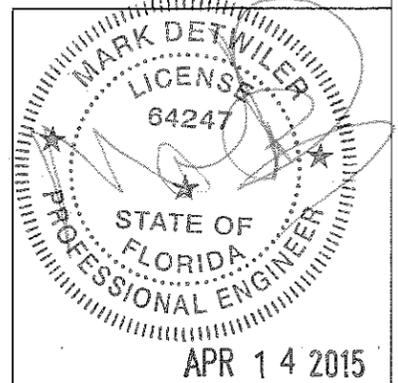
- 2B. THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:
 DOUBLELOK 18"-24 GA. PANELS
 MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 71.20 FT-LBS/FT
 MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN 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 ALLOWABLES:
 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 5TH EDITION (2014) FBC AND THE 2010 FBC AS APPLICABLE THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-10 MUST BE MULTIPLIED BY 0.60.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 15-0505.28
 Expiration Date 02/25/2019
 By
 Miami Design Product Control



Revision	Date	Description	By	Ch'd

NGI GROUP, INC.
 CORPORATE OFFICES 7301 FAIRVIEW DR. HOUSTON TX 77041 6800 777-9078
 MAILING P.O. BOX 41820 HOUSTON TX 77240-01820
 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: 10/10
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