



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)

Innovative Metals Company, Inc.
4648 South Old Peachtree Road
Norcross, GA 30071

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: "Series 300 " 22 Ga. (0.03" min) Structural Galvalume Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. 1630, titled "Series 300, 22 Gage Structural Galvalume Steel Roof System", sheets 1 through 3 of 3, dated February 17, 2009, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam, P.E. on April 30, 2014, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by 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 #09-0224.04 and consists of this page 1, evidence submitted pages E-1 & E-2 and approval document mentioned above.

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



Helmy A. Makar
05/15/2014

NOA No. 13-1125.09
Expiration Date: 04/22/2015
Approval Date: 05/15/2014
Page 1

Innovative Metals Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0811.01

A. DRAWINGS

1. *Drawing No. 1240, titled " Series 300, 22 Gage Structural Galvalume Steel Roof System ", sheets 1 through 3 of 3, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on March 24, 2004.*

B. TESTS

1. *Test report on wind and wind driven rain resistance test per TAS 100-95 on Innovative Metals Series 300 Roof Panel by PRI Asphalt Technologies, Report No. IMC-002-02-01, dated June 20, 2003, signed and sealed by Charles L. Thomas, P.E.*
2. *Test report on Uniform Static Air Pressure Test per ASTM 1592-95 on Innovative Metals Series 300 Roof Panel, prepared by Hurricane Test Laboratory, Inc., Report No. 0331-0501-03, dated June 18, 2003, signed and sealed by Vinu J. Abreham, P.E.*
3. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G23-81, prepared by The Valspar Corporation.*
4. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by The Valspar Corporation.*
5. *Susceptibility to leakage test in accordance with Protocol TAS 114 Appendix G, prepared by PRI Asphalt Technologies, Report No. IMC-003-02-01, dated June 20, 2003, signed and sealed by Charles L. Thomas, P.E.*

C. CALCULATIONS

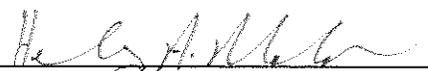
1. *Calculations titled " Innovative Metals Series 300 Roof Panel Calculations ", 10 pages, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on August 04, 2003.*
2. *Calculations titled "Innovative Metals Series 300 Roof Panel Calculations" , 6 pages, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. on March 24, 2004*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Tensile test, report # 3FM-545, dated June 24, 2003, by QC Metallurgical, Inc., signed and sealed by Frank E. Grate, Jr., P.E.*



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

NOA No. 13-1125.09

Expiration Date: 04/22/2015

Approval Date: 05/15/2014

Innovative Metals Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #09-0224.04

A. DRAWINGS

1. *Drawing No. 1630, titled "Series 300, 22 Gage Structural Galvalume Steel Roof System", sheets 1 through 3 of 3, dated February 17, 2009, prepared by Bala Sockalingam, P.E., signed & sealed by Bala Sockalingam, P.E. on February 17, 2009.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculations titled "Innovative Metals Series 300 Roof Panel Calculations", 6 pages, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam, P.E. on February 17, 2009*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 1630, titled "Series 300, 22 Gage Structural Galvalume Steel Roof System", sheets 1 through 3 of 3, dated February 17, 2009, prepared by Bala Sockalingam, P.E., signed and sealed by Bala Sockalingam, P.E. on April 30, 2014.*

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.*

F. OTHERS

1. *FBC, 2010 Edition, compliance letter, dated April 30, 2014, prepared by ENCON Technology, Inc., signed and sealed by Bala Sockalingam, P.E.*

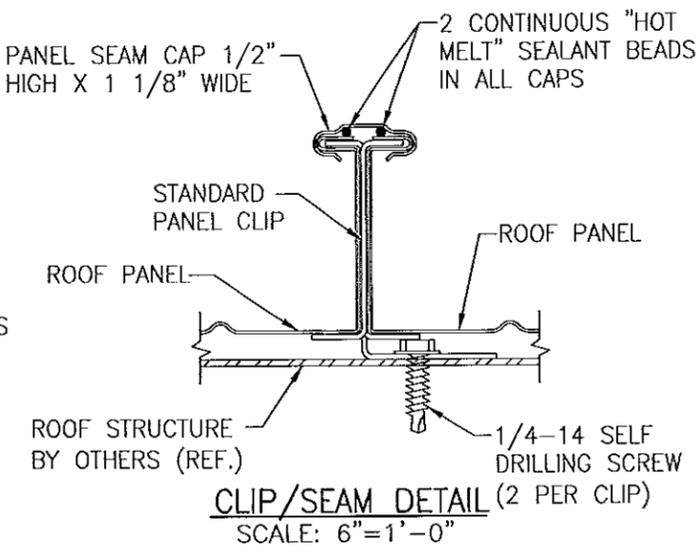
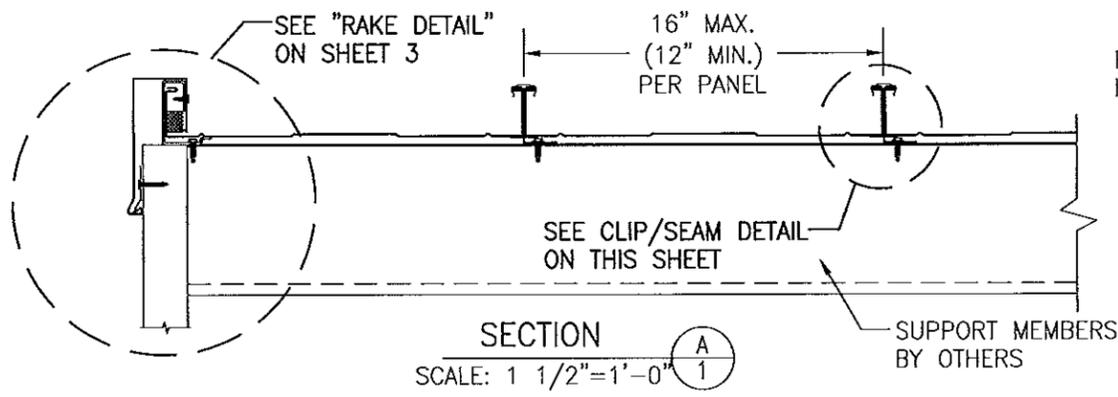


Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor

NOA No. 13-1125.09

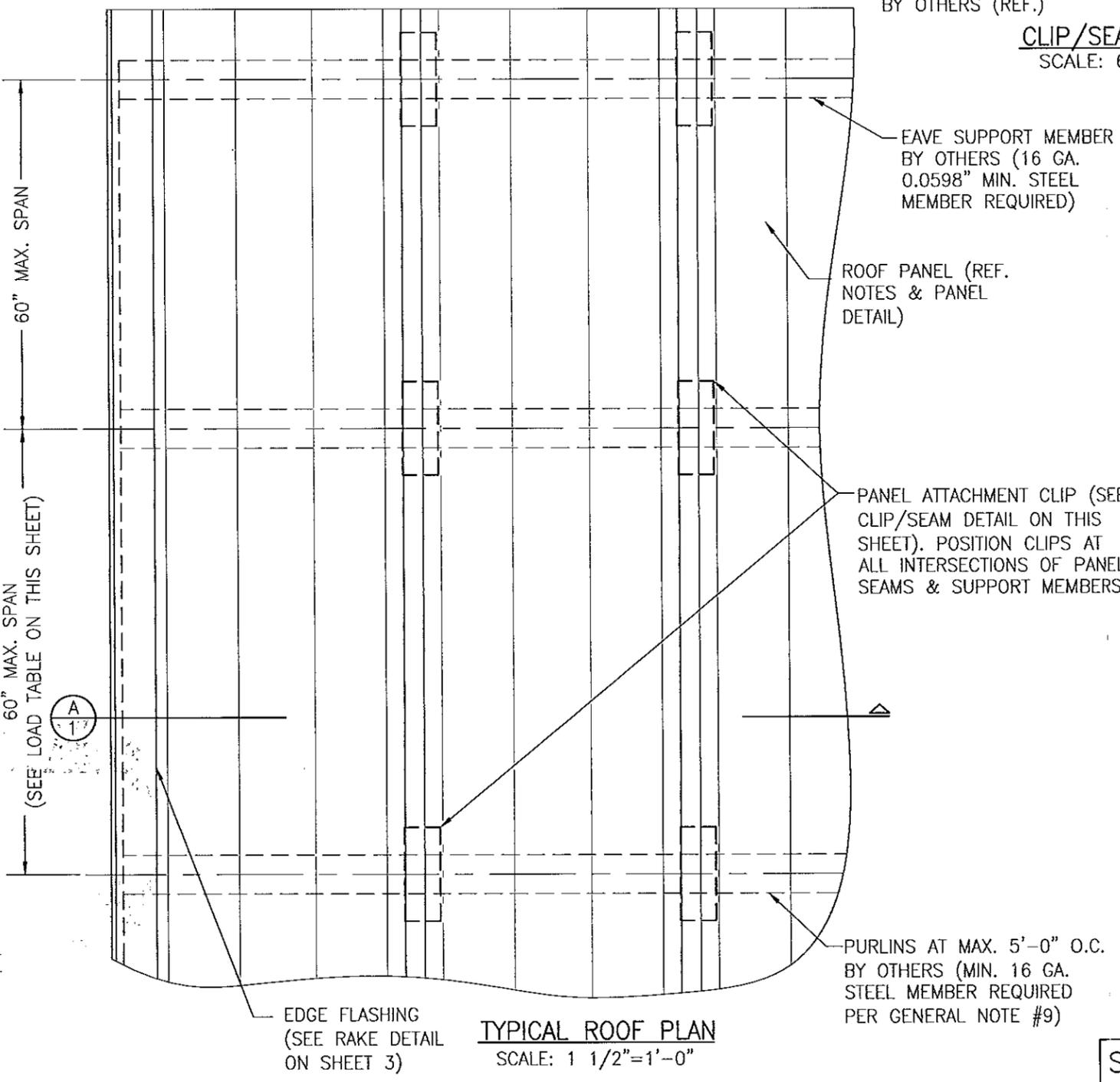
Expiration Date: 04/22/2015

Approval Date: 05/15/2014



GENERAL NOTES:

1. THIS STRUCTURAL ROOF PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.).
2. ROOF PANELS ARE FABRICATED FROM A MAX. 21 13/16" WIDE COIL & SHALL BE 22 GA. (t = 0.03") ASTM 792 GRADE D STEEL WITH A KYNAR 500 COATING APPLIED. EFFECTIVE COVERING WIDTH OF PANEL = MAX. 16".
3. THE ROOF PANELS SHALL BE INSTALLED OVER ROOF STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
4. PANEL END OVERLAPS MAY OCCUR WITHIN 6" OF CENTERLINE OF SUPPORTING PURLIN PROVIDING THE END LAPS ARE CONSTRUCTED, SUPPORTED & SEALED PER THE END LAP DETAIL ON SHEET 3.
5. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON THIS DRAWING.
6. THIS ROOFING PANEL SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE:
 - * ACCELERATED TESTING OF COATING PER ASTM G23
 - * SALT SPRAY TESTING PER ASTM B117
 - * UPLIFT RESISTANCE TEST PER TAS-125 & ASTM E1592
 - * WIND DRIVEN RAIN & STANDING WATER TESTS PER TAS-100 & TAS-114
 - * TENSILE TESTS PER ASTM E8
7. ROOF PANEL MANUFACTURER'S PERMANENT LABEL SHALL BE PLACED AT THE END OF EACH PANEL RUN AND SHALL READ: INNOVATIVE METALS COMPANY, INC. TUCKER, GEORGIA MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
8. ALL SCREWS SHALL BE CORROSION RESISTANT SELF DRILLING SCREWS.
9. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 16 GAGE (MIN. 0.0598") STEEL WITH MIN. Fy = 50 KSI.
10. THESE ROOF PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAM ACTION OF ROOF TO SUPPORTING STRUCTURE.
11. ROOF PANEL CAP IS FABRICATED FROM A 2" WIDE COIL OF 22 GAGE (t = 0.03") ASTM 792 GRADE D STEEL & HAS A KYNAR 500 COATING.



PANEL SUPPORT CONDITION	MAXIMUM ALLOWABLE UPLIFT PRESSURE (PSF)							
	L=18"	L=24"	L=30"	L=36"	L=42"	L=48"	L=54"	L=60"
Δ L Δ	200.0	200.0	153.7	106.7	78.4	60.0	43.7	31.9
Δ L Δ L Δ	176.0	132.0	105.6	88.0	75.4	66.0	58.7	48.0
Δ L Δ L Δ L Δ	200.0	150.0	120.0	100.0	85.7	75.0	66.7	60.0
Δ L Δ L Δ L Δ L Δ	192.4	144.3	115.4	96.2	82.5	72.2	64.1	56.1
	MAXIMUM ALLOWABLE POSITIVE PRESSURE (PSF)							
Δ L Δ	200.0	200.0	153.7	106.7	78.4	60.0	43.7	31.9
Δ L Δ L Δ	176.0	132.0	105.6	88.0	75.4	66.0	58.7	48.0
Δ L Δ L Δ L Δ	200.0	150.0	120.0	100.0	85.7	75.0	66.7	60.0
Δ L Δ L Δ L Δ L Δ	192.4	144.3	115.4	96.2	82.5	72.2	64.1	56.1

PRODUCT APPROVAL IS LIMITED TO THE ROOF PANEL & ITS CONNECTING CLIPS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, PURLINS, FACIA SUPPORTS, CONNECTIONS OF STRUCTURE, ETC.) SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE METAL ROOF PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 13-1125-09
 Expiration Date 04/22/2015
 By *[Signature]*
 Miami Dade Product Control

SEE SHEET 2 FOR VALLEY DETAILS

DRAWN BY: B.S.	CHECKED BY:
PLOT:	DATE: 2/17/09
DATE: 4/29/14	
BY: BS	
REVISION DESCRIPTION: ADDRESS CHANGE	
NO.:	

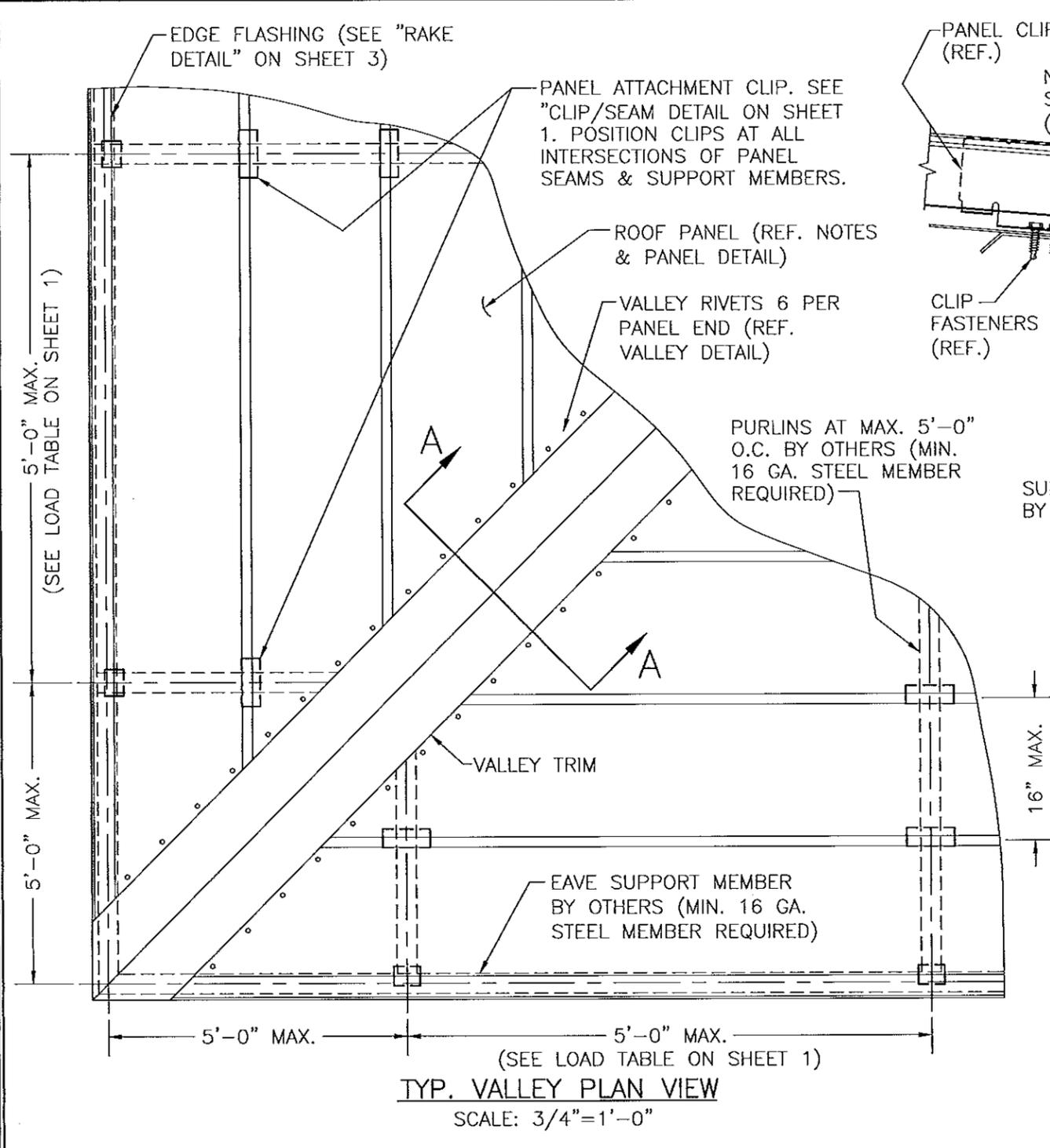
DRAWING TITLE: SERIES 300, 22 GAGE STRUCTURAL GALVALUME STEEL ROOF SYSTEM

MANUFACTURER: INNOVATIVE METALS COMPANY, INC.
 2070 STEEL DRIVE
 TUCKER, GA 30084-5832
 800-646-3826

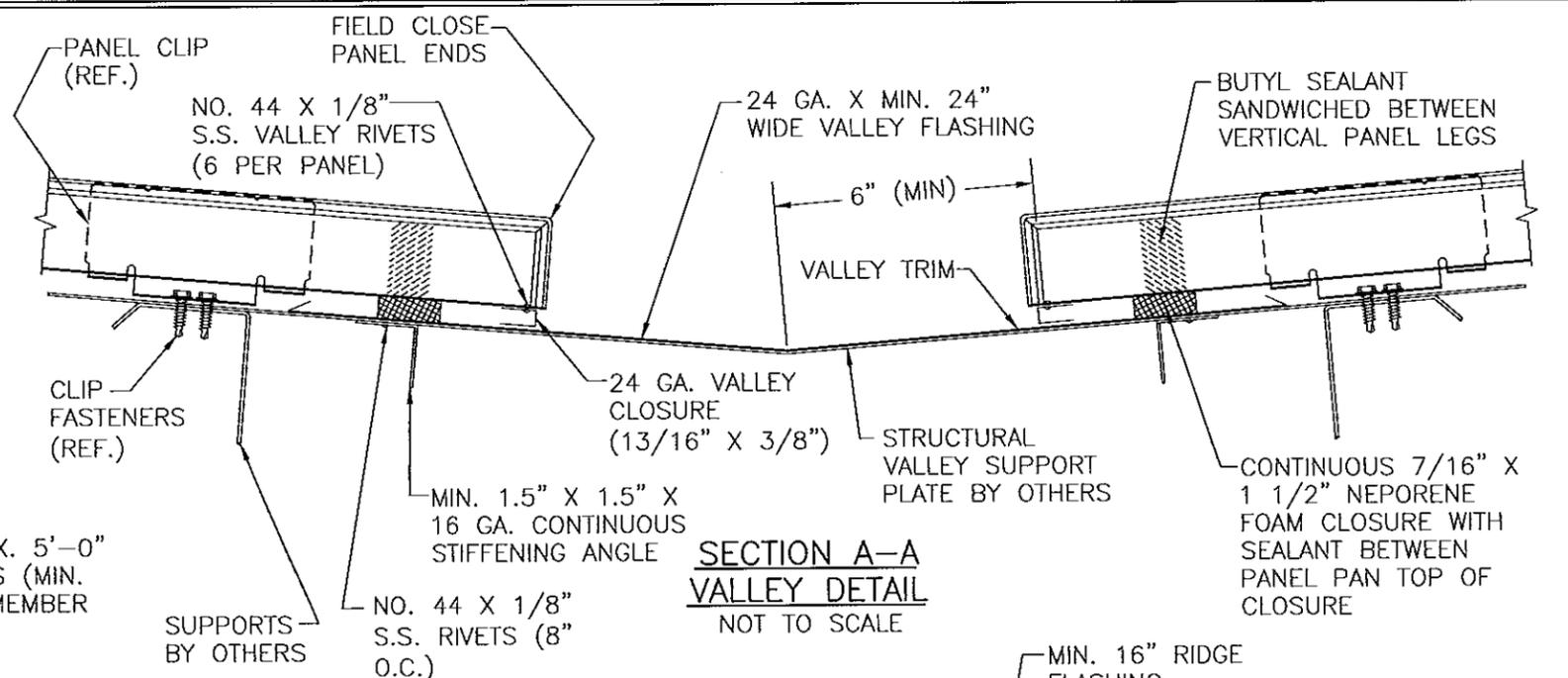
REGISTERED PROFESSIONAL ENGINEER
 No 62240
 STATE OF FLORIDA
 SOCKALINGAM, P.H.D., P.E.
 1216 N LANSING AVE, SUITE C
 TULSA, OK 74106
 TEL: 918-492-5992 FAX: 866-366-1543

4.30.2014

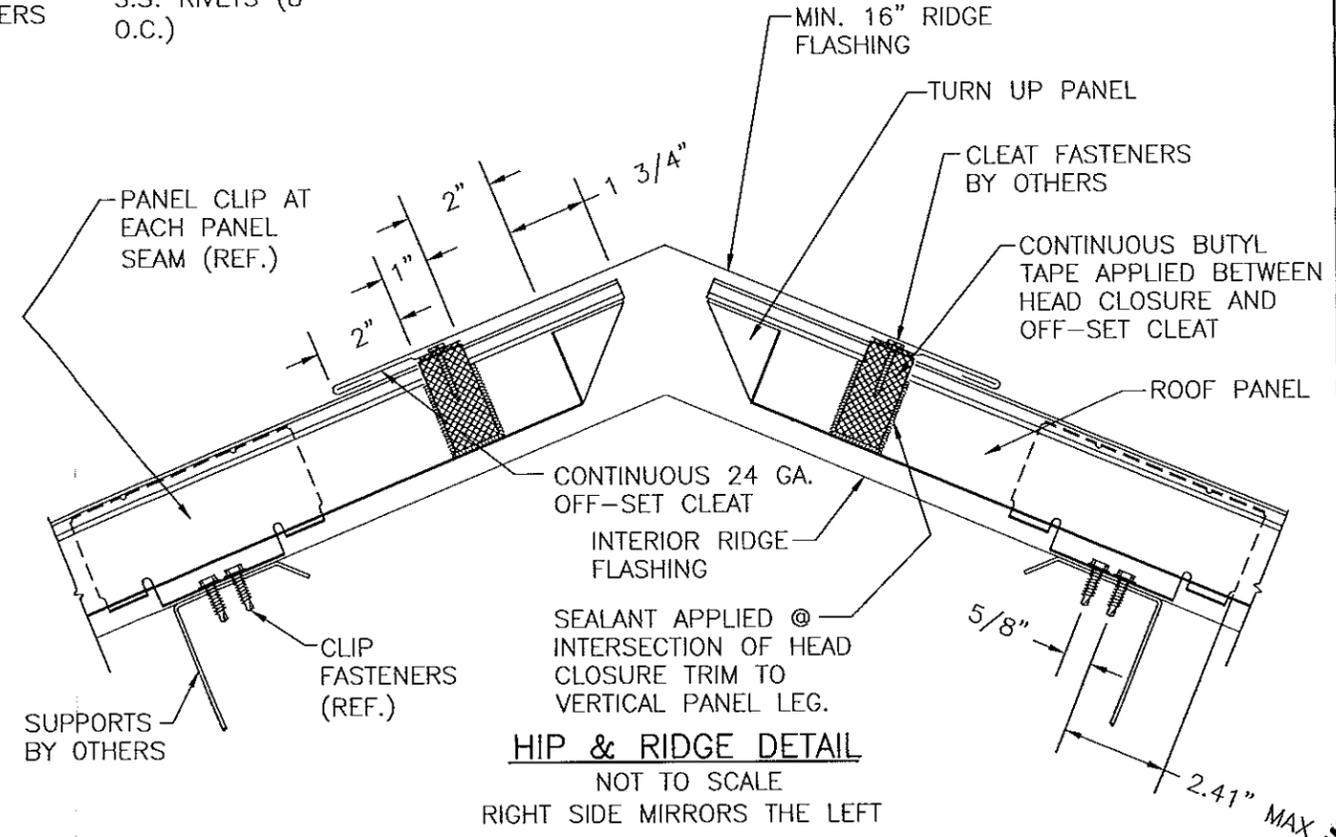
DRAWING NO.:	REV.:
1630	A
SHEET NO.:	1 OF 3



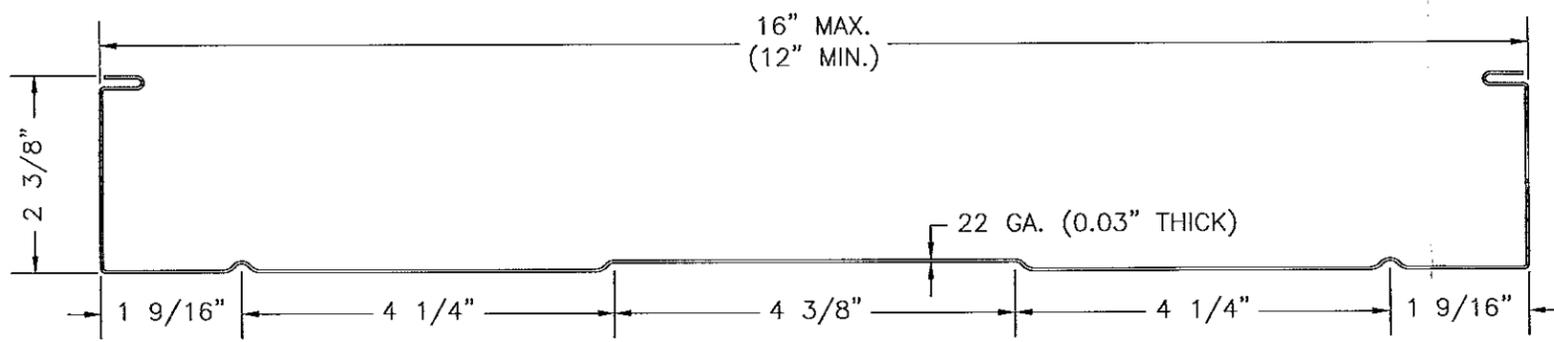
TYP. VALLEY PLAN VIEW
SCALE: 3/4"=1'-0"



SECTION A-A
VALLEY DETAIL
NOT TO SCALE



HIP & RIDGE DETAIL
NOT TO SCALE
RIGHT SIDE MIRRORS THE LEFT



PANEL DETAIL
SCALE: 6"=1'-0"

PRODUCT RENEWED
as complying with the Florida.
Building Code
Acceptance No 13-1125-09
Expiration Date 04/22/2015
By *[Signature]*
Miami Data Product Control

DRAWN BY: BS	CHECKED BY:
DATE: 4/29/14	DATE: 2/17/09
REVISION DESCRIPTION	NO.
ADDRESS CHANGE	A

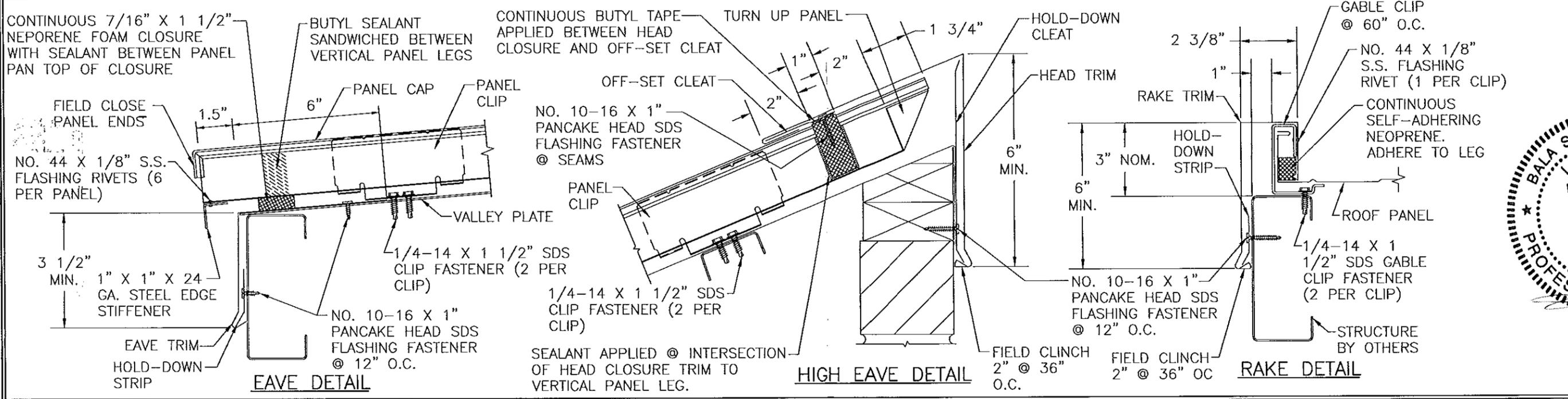
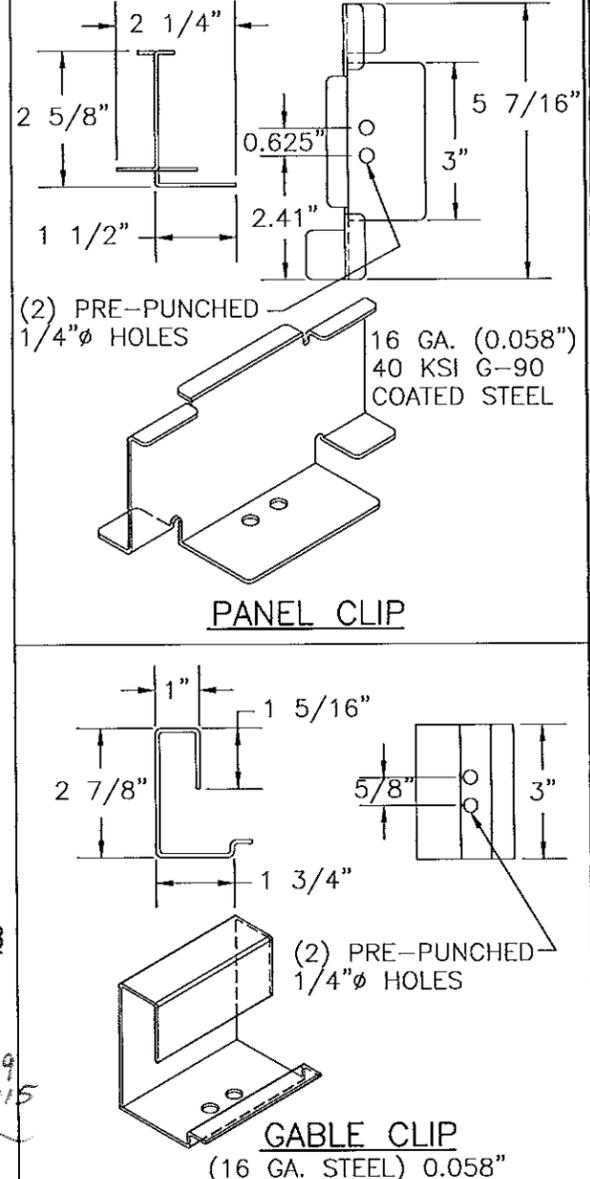
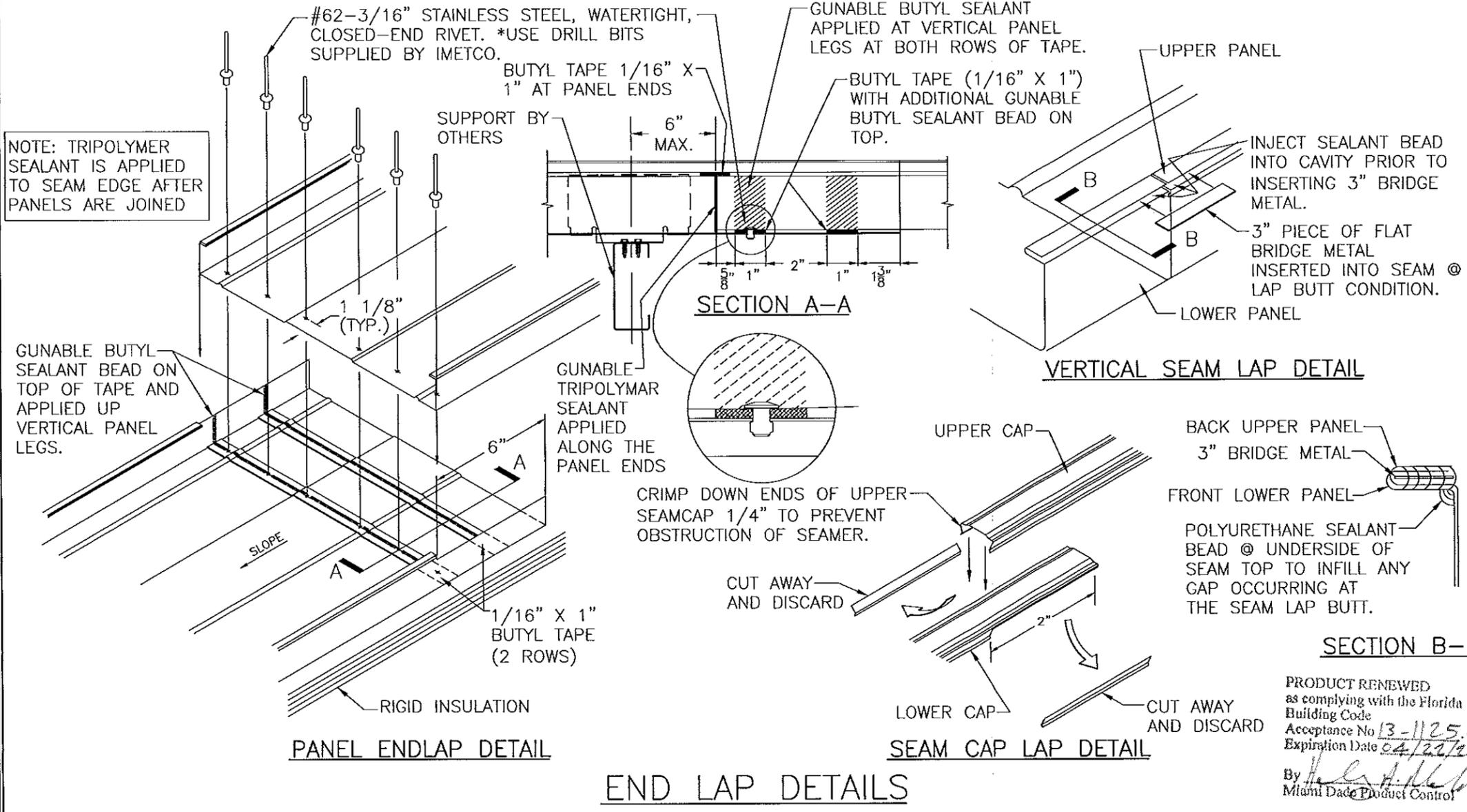
DRAWING TITLE
SERIES 300, 22 GAGE STRUCTURAL GALVALUME STEEL ROOF SYSTEM

MANUFACTURER
INNOVATIVE METALS COMPANY, INC.
2070 STEEL DRIVE
TUCKER, GA 30084-5832
800-646-3826

SUBSTITUTES
SOCKALINGAM, PH.D., P.E.
1216 N LANSING AVE, SUITE C
TULSA, OK 74106
PHONE: 918-492-5992 FAX: 866-366-1543

PROFESSIONAL ENGINEER
No 62240
STATE OF FLORIDA
EXPIRES 04/30/2014

DRAWING NO. 1630
REV. A
SHEET NO. 2 OF 3



DRAWN BY: B.S.	CHECKED BY:
PLOT:	DATE: 2/17/09
REVISION DESCRIPTION	DATE
ADDRESS CHANGE	BS 4/29/14
NO.	A

MANUFACTURER
INNOVATIVE METALS COMPANY, INC.
2070 STEEL DRIVE
TUCKER, GA 30084-5832
800-646-3826

REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 62240
BALA S. SOKKALINGAM, P.H.D., P.E.
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DRAWING NO.	REV.
1630	A
SHEET NO.	3 OF 3

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By *[Signature]*
Miami Dade Product Control

