



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)

American Buildings Company
1150 State Docks Road (P.O. Box 800)
Eufaula, AL 36027

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: 0.030" (min.) Structural Loc-Seam 360 Galvalume Steel Roof Panel

APPROVAL DOCUMENT: Drawing No. MD-LOC22, titled "Loc Seam 360 roof Panels", sheets 1 through 9 of 9, prepared by Jeffrey C. Walsh, P.E., last revision #1 dated November 14, 2012, signed and sealed by Jeffrey C. Walsh, P.E. on November 15, 2012, 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 & renews NOA #07-1025.03 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
12/06/2012

NOA No. 12-0703.10
Expiration Date: 10/17/2017
Approval Date: 12/06/2012
Page 1

American Buildings Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-0929.06

A. DRAWINGS

1. *Drawing No. LS36022, titled "Loc- Seam 360 roof Panels: 22 gauge", sheets 1 through 6 of 6, prepared by Jeffrey C. Walsh, P.E., signed and sealed by Jeffrey C. Walsh, P.E. on September 26, 2002.*

B. TESTS

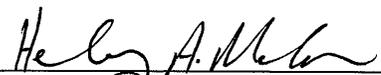
1. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by Asphalt Technologies, dated May 1, 2000, signed and sealed by Charles L. Thomas, P.E.*
2. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by Celotex, Report No. 520534, dated April 12, 2000, signed and sealed by R. C. Miller, P.E.*
3. *Test report on Uplift Resistance Test per UL-580 Class 90, on 22 ga. Loc-Seam 360 Roof Panel, prepared by Hurricane Test Laboratory, Inc., Report No. 0207-0113-00, dated June 27, 2000, signed and sealed by Vinu J. Abraham, P.E.*
4. *Susceptibility to leakage test in accordance with Miami-Dade county Protocol PA 114 Appendix G on 22 ga. Loc-Seam 360 Roof Panel, prepared by Celotex, Report No. 520534-2 CAE 00013, dated March 30, 2000, signed and sealed by R. G. Miller, P.E.*
5. *Wind Driven Rain Test in accordance with Miami-Dade county Protocol PA 100-95 on 22 ga. Loc-Seam 360 Roof Panel, prepared by Celotex, Report No. 520534-3 CAE 00011, dated March 30, 2000, signed and sealed by R. G. Miller, P.E.*

C. CALCULATIONS

1. *Calculations titled "Loc-Seam 360, 22 ga. Roof Panel Calculations", dated June 17, 2000, pages 1 through 7 of 7, prepared by Jeffrey C. Walsh, P.E., signed and sealed by Jeffrey C. Walsh, P.E.*
2. *Calculations titled "Loc-Seam 360, 22 ga. Roof Panel Calculations", dated January 30, 2002, pages 1 through 3 of 3, prepared by Jeffrey C. Walsh, P.E., signed and sealed by Jeffrey C. Walsh, P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Test Report issued by U. S. Steel Group, dated 12/02/99, with chemical composition and mechanical properties of galvalume painted structural steel coils ASTM A792-96 Grade 50B.*
2. *Tensile Test Report No. OBM-291, prepared by QC Metallurgical, Inc., dated March 24, 2000.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 12-0703.10
Expiration Date: 10/17/2017
Approval Date: 12/06/2012

American Buildings Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0601.03

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculations titled "Loc-Seam 360, 22 ga. Roof Panel Calculations", dated September 11, 2007, 2 pages, prepared by Jeffrey C. Walsh, P.E., signed and sealed by Jeffrey C. Walsh, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 07-1025.03

A. DRAWINGS

1. *Drawing No. LS36022, titled "Loc Seam 360 roof Panels: 22 gauge", sheets 1 through 6 of 6, prepared by Jeffrey C. Walsh, P.E., last revision #2 dated November 20, 2007, signed and sealed by Jeffrey C. Walsh, P.E. on November 20, 2007.*

B. TESTS

1. *None.*

C. CALCULATIONS

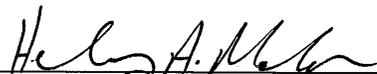
1. *Calculations titled "Supplemental Gravity Load Calculations", 12 pages, dated October 10, 2007, prepared by Jeff Walsh, P.E., signed and sealed by Jeff Walsh, P.E. on October 19, 2007.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Henry A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 12-0703.10
Expiration Date: 10/17/2017
Approval Date: 12/06/2012

American Buildings Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. MD-LOC22, titled "Loc Seam 360 roof Panels", sheets 1 through 9 of 9, prepared by Jeffrey C. Walsh, P.E., last revision #1 dated November 14, 2012, signed and sealed by Jeffrey C. Walsh, P.E. on November 15, 2012.*

B. TESTS

1. *Test report # ABC-004-02-02 on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by Construction Materials Technologies, dated March 31, 2011, signed and sealed by Duc T. Nguyen, P.E.*
2. *Test report # ABC-004-02-01 on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by Construction Materials Technologies, dated March 31, 2011, signed and sealed by Duc T. Nguyen, P.E.*
3. *Test report on Positive Load Test per ASTM E 1592, on 22 ga. Loc-Seam 360 Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T208-12, dated May 21, 2012, signed and sealed by Daniel G. Farabaugh, P.E.*
4. *Test report on Negative Load Test per ASTM E 1592, on 22 ga. Loc-Seam 360 Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T194-12, dated May 21, 2012, signed and sealed by Daniel G. Farabaugh, P.E.*
5. *Wind Driven Rain Test in accordance with Miami-Dade county Protocol PA 100-95 on 22 ga. Loc-Seam 360 Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T213-12, dated May 21, 2012, signed and sealed by Daniel G. Farabaugh, P.E.*
6. *Susceptibility to leakage test in accordance with Miami-Dade county Protocol FM 4471, Appendix G on 22 ga. Loc-Seam 360 Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T214-12, dated May 21, 2012, signed and sealed by Daniel G. Farabaugh, P.E.*

C. CALCULATIONS

1. *Calculations titled "Maximum Uplift Pressure, 5 pages, dated June 28, 2012, prepared by Jeff Walsh, P.E., signed and sealed by Jeff Walsh, P.E. on June 28, 2012.*

D. QUALITY ASSURANCE

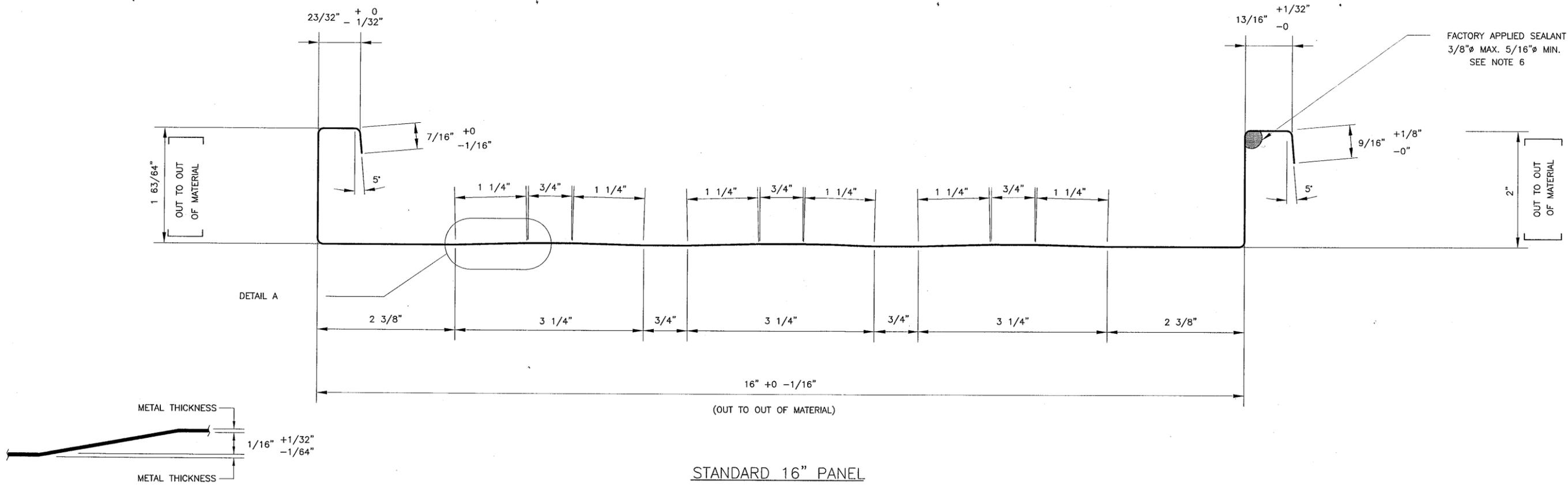
1. *By Miami Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 12-0703.10
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Approval Date: 12/06/2012



DETAIL A
(TYPICAL)

STANDARD 16" PANEL

- GENERAL NOTES
1. ALL DIMENSIONS ARE $\pm 1/16"$ (U.N.) EXCEPT TOLERANCE DIMENSIONS.
 2. ALL RADII = $3/32"$ ($+1/32"$, $-0"$)
 3. COIL WIDTH = 22" FOR 16" PANEL
TOLERANCE = $+1/8"$, $-0"$
 4. PANEL LENGTHS = SEE MFG. SECTION OF MASTER PARTS LISTING.
 5. MATERIAL = MINIMUM YIELD 50 KSI WITH A MINIMUM 0.030" THICKNESS.
 6. MASTIC SHALL BEGIN AND END A MAXIMUM DISTANCE OF 2" FROM BOTH PANEL ENDS, EXCEPT ON SWAGED PANEL END WHICH WILL BEGIN 2" MAXIMUM FROM THE SWAGE.
 7. MINIMUM ALLOWABLE ROOF SLOPE = 1/4 ON 12

- DESIGN NOTES:
1. THIS ROOF PANEL IS APPROVED FOR SPANS UP TO 5'-0" MAXIMUM.
 2. DEFLECTION SHALL BE LIMITED TO L/240.
 3. THIS ROOF PANEL IS APPROVED FOR GRAVITY (POSITIVE) PRESSURE OF 92.4 PSF.
 4. THIS ROOF PANEL IS APPROVED FOR UPLIFT (NEGATIVE) PRESSURES AS SHOWN IN THE TABLE BELOW. FOR PANEL SPANS BETWEEN 1'-0" AND 5'-0" THE MAXIMUM UPLIFT PRESSURE CAN BE DETERMINED BY INTERPOLATION.

MAXIMUM PANEL SPAN	MAXIMUM UPLIFT PRESSURE (PSF)
5'-0"	65.3
4'-0"	83.9
3'-0"	108.1
2'-0"	128.5
1'-0"	149.0

Jeffrey C. Walsh
11/15/12

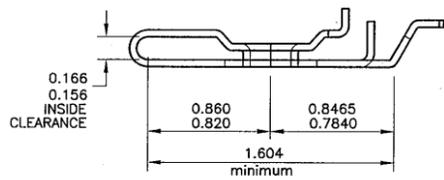
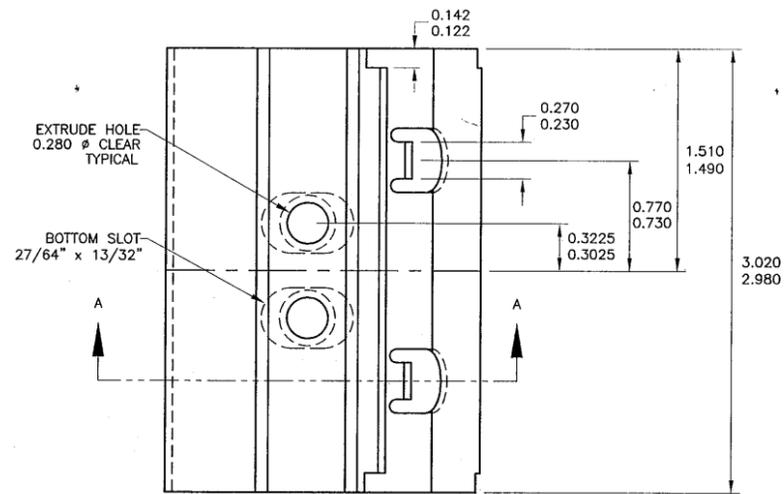
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JEFFREY C. WALSH	1	REVISED FOR FINAL SUBMITTAL	THG	JCW	11-14-12	DRAWN BY:	THG	6-28-12
ENGINEERS STATE REGISTRATION NO.:						CHK'D BY:	JCW	6-28-12
41467								

LOC SEAM 360 ROOF PANEL
CROSS SECTION

EUFAULA ALABAMA

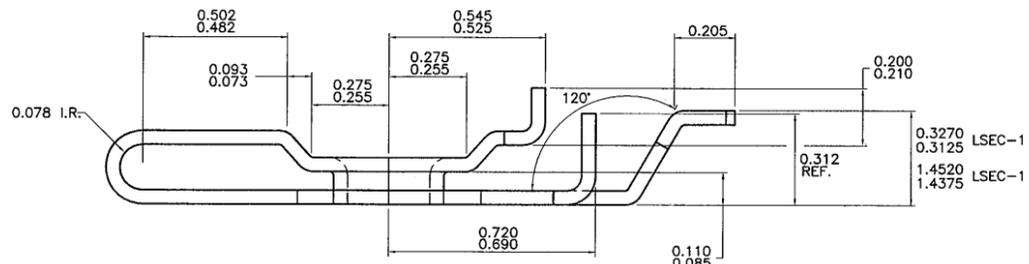
 AMERICAN BUILDINGS
 A HUEBNER COMPANY
 DRAWING NUMBER: MD-LOC22
 PAGE 1 of 9

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0703.10
 Expiration Date 10/17/2017
 By *Heather A. Miller*
 Miami Dade Product Control



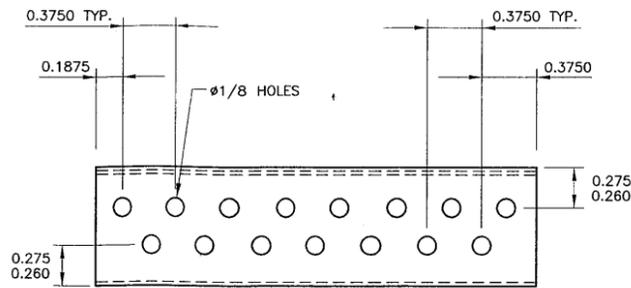
PART "A"

PART A MATERIAL = G90 GALVANIZED, GRADE 50
50,000 PSI ASTM A653
THICKNESS = 0.048" ± 0.002"

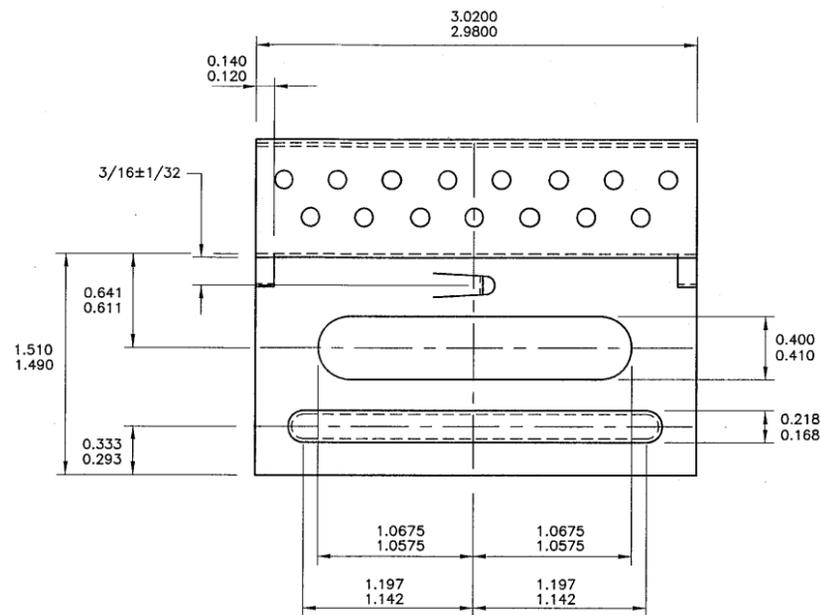


EXTRUDED HOLE TO REST ON PURLIN WHEN INSTALLED. EXTRUSION WILL BE SUFFICIENT TO HOLD MATERIAL APART TO AVOID BINDING WHEN CLIPS ARE SCREWED DOWN.

SECTION "A-A"

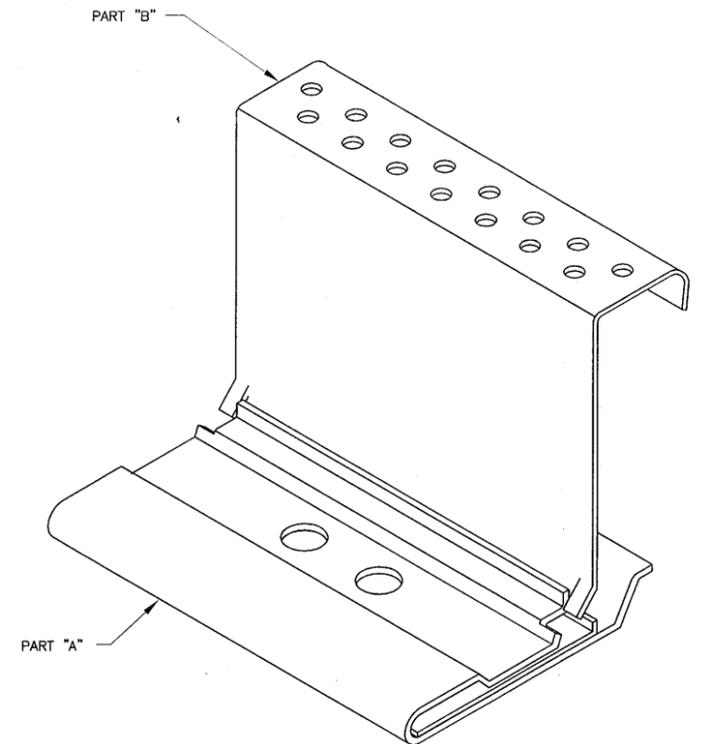


PART "B" PERFORATIONS

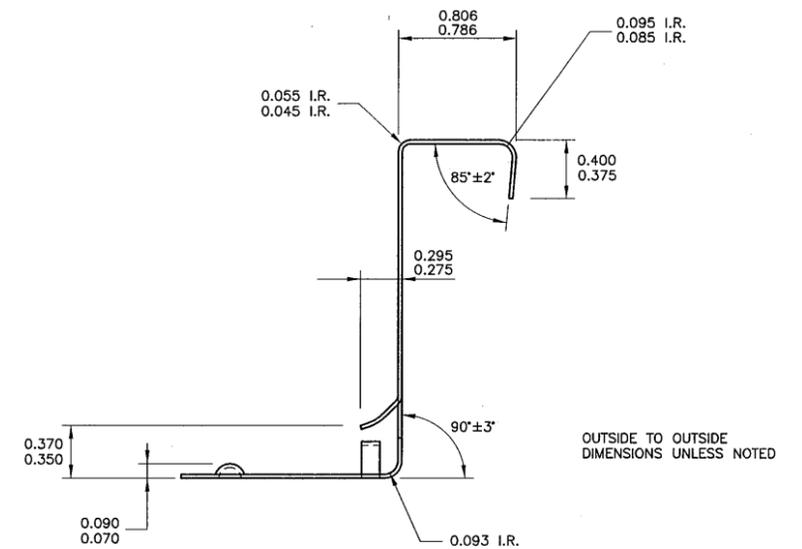


PART "B"

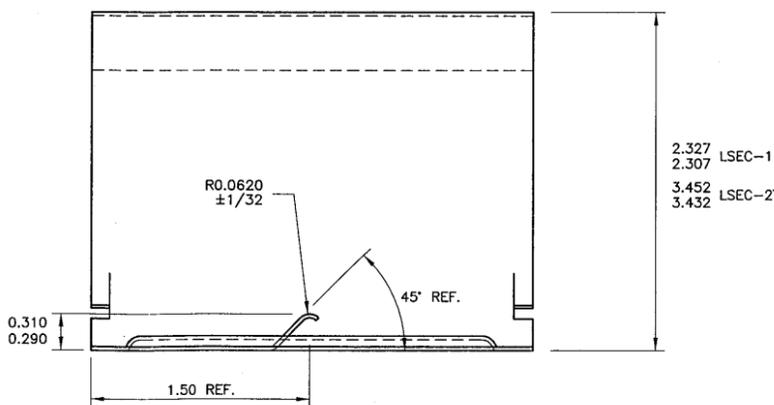
PART B MATERIAL = G90 GALVANIZED, GRADE 50
50,000 PSI ASTM A653
THICKNESS = 0.026" ± 0.002"



CLIP ASSEMBLY



OUTSIDE TO OUTSIDE DIMENSIONS UNLESS NOTED



NOTES:
ALL DIMENSIONS ± .020 UNLESS NOTED
NOT TO SCALE

Jeffrey C. Walsh
11/15/12

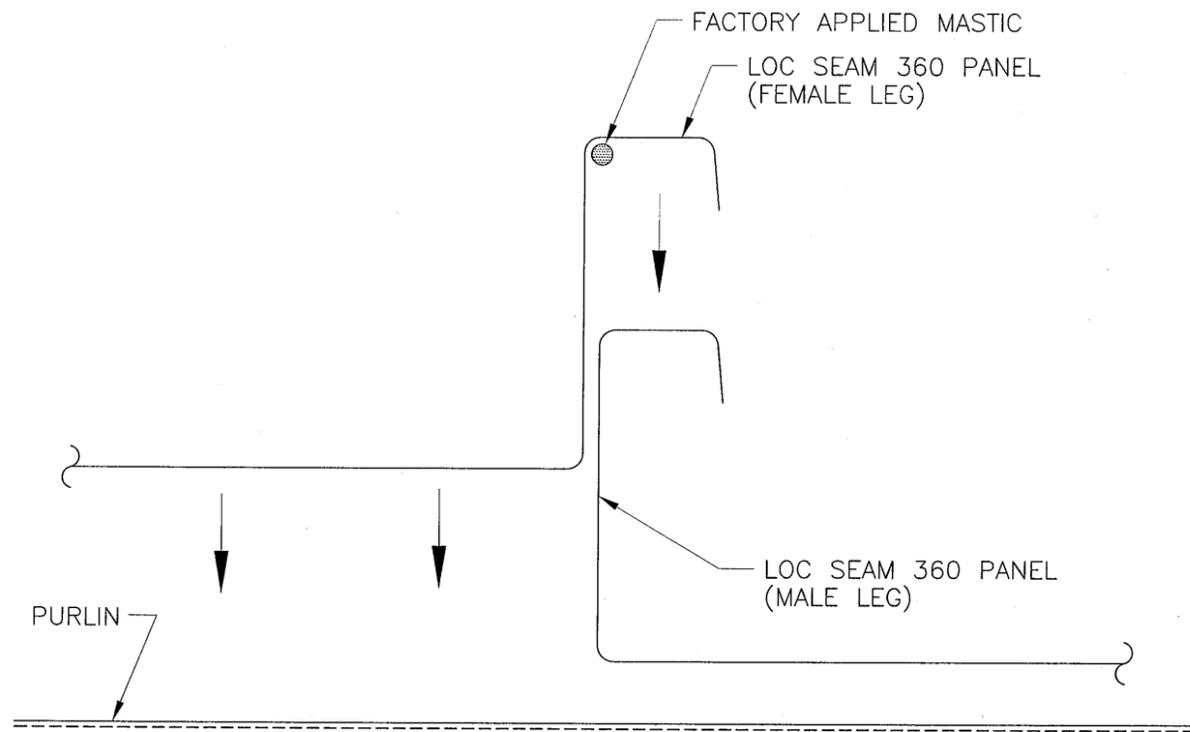
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ENGINEER'S STATE REGISTRATION NO.:						CHK'D BY:	JCW	6-28-12
41467								

LOC SEAM 360 ROOF PANEL
PANEL CLIPS

EUFALA ALABAMA

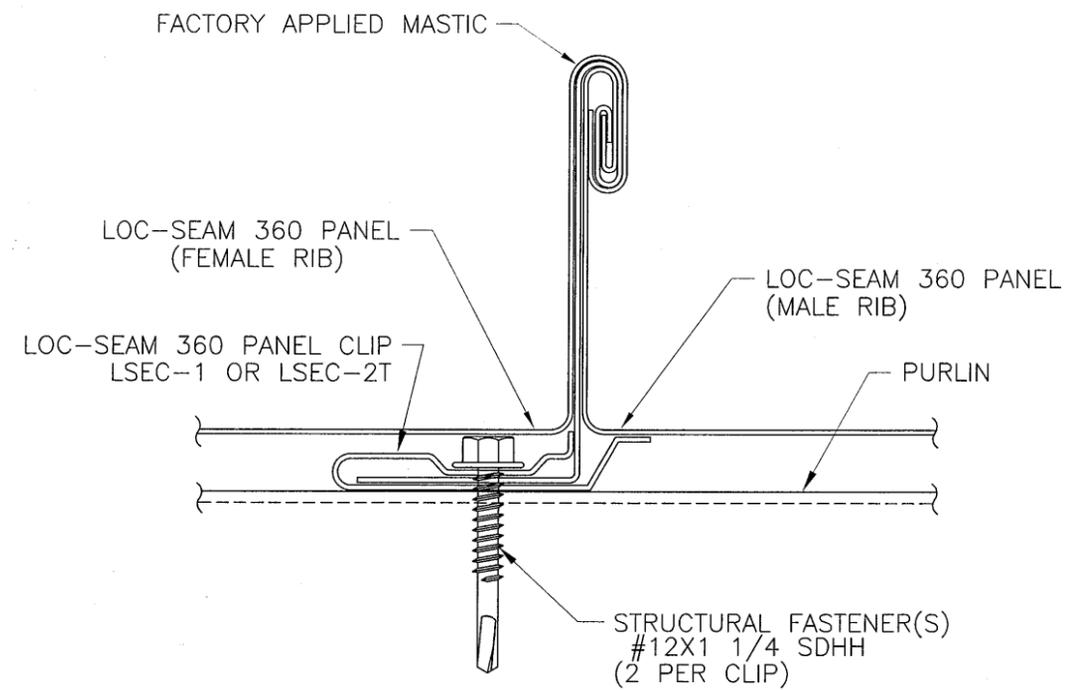
 AMERICAN BUILDINGS
 A HUCO'S COMPANY
 DRAWING NUMBER: MD-LOC22
 PAGE 2 of 9

PRODUCT REVISED
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Acceptance No 12-0703.10
Expiration Date 10/17/2017
By *Healy A. Mc...*
Miami Dade Product Control



DETAIL AT SIDELAP
LOC SEAM 360

RC01
GA-MD



DETAIL AT PANEL CLIP
LOC-SEAM 360

RC19A
GA-MD

INSULATION NOT SHOWN
FOR CLARITY.

Jeffrey C. Walsh
11/15/12

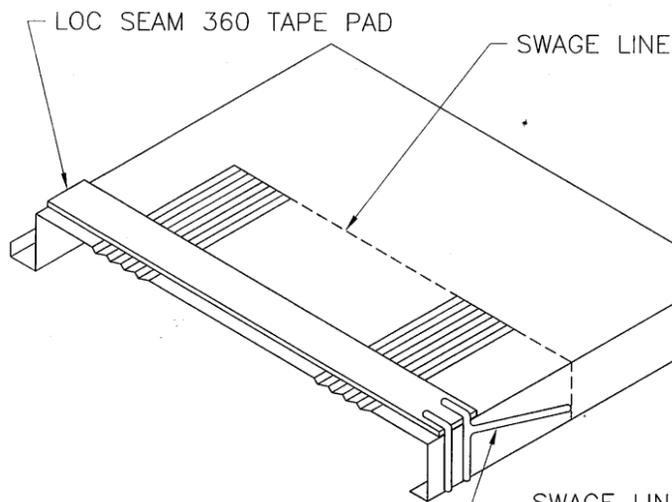
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LOC SEAM 360 ROOF PANEL
SECTION AT PANEL SIDELAP

EUFALA ALABAMA

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 DRAWING NUMBER: MD-LOC22 PAGE 3 of 9

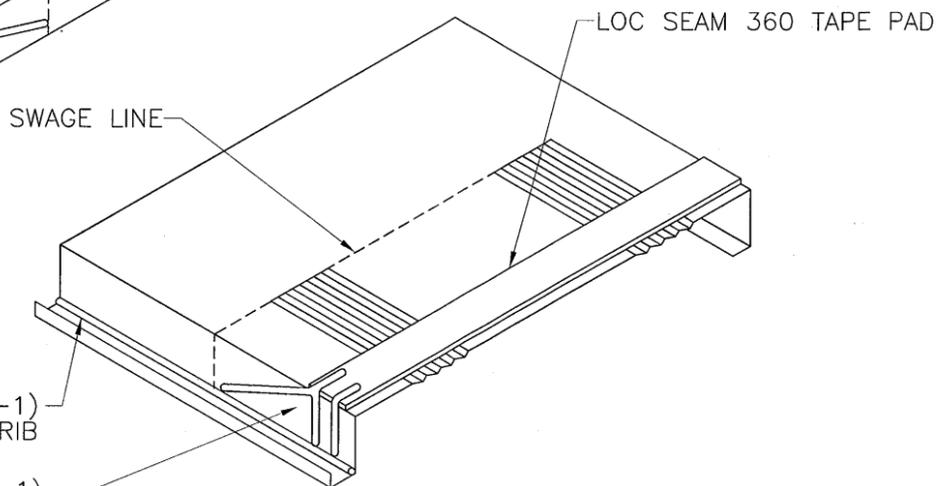
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 Miami Dade Product Control



NOTE:
ALIGN TAPE PAD PAPER BACKING EDGE
FLUSH WITH END OF SWAGE/NOTCH PANEL.

NOTE:
PRIOR TO INSTALLING LAP FASTENERS,
PANELS MUST BE HAND SEAMED AT
LOWER EDGE OF UPPER PANEL ON
FEMALE LEG.

1/4"Ø BUTYL CAULK (SSCK-1)
DIAGONALLY DOWN MALE
RIB TO THE EDGE OF SWAGE
LINE. CAULK BACK 1" OVER
MASTIC.



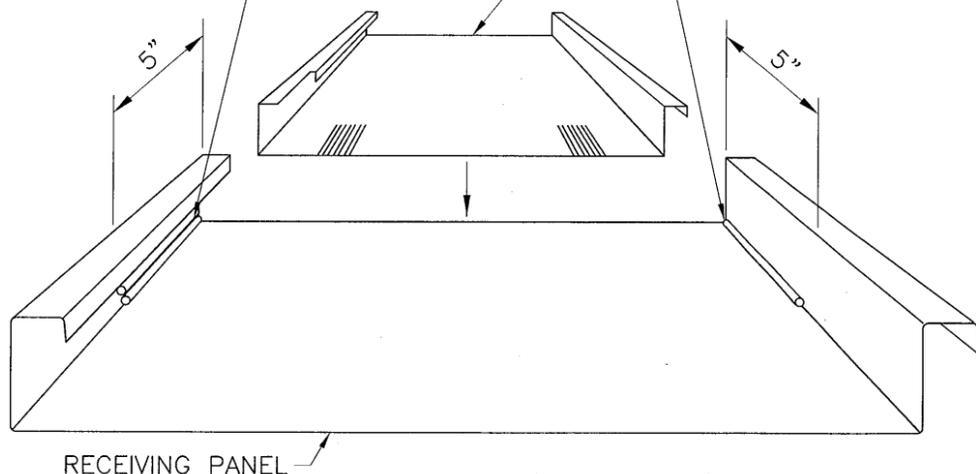
1/4"Ø BUTYL CAULK (SSCK-1)
6" LONG IN FEMALE RIB

(1) BEADS BUTYL CAULK (SSCK-1)
DIAGONALLY (2) BEAD VERTICALLY
DOWN FEMALE RIB, CAULK BACK
1" OVER MASTIC.

SWAGE/NOTCH PANEL
12" WIDE PANELS ARE
NOT SWAGED.

(2) 1/4" BEADS BUTYL CAULK (SSCK-1)
5" LONG AT UPPER END OF
RECEIVING PANEL

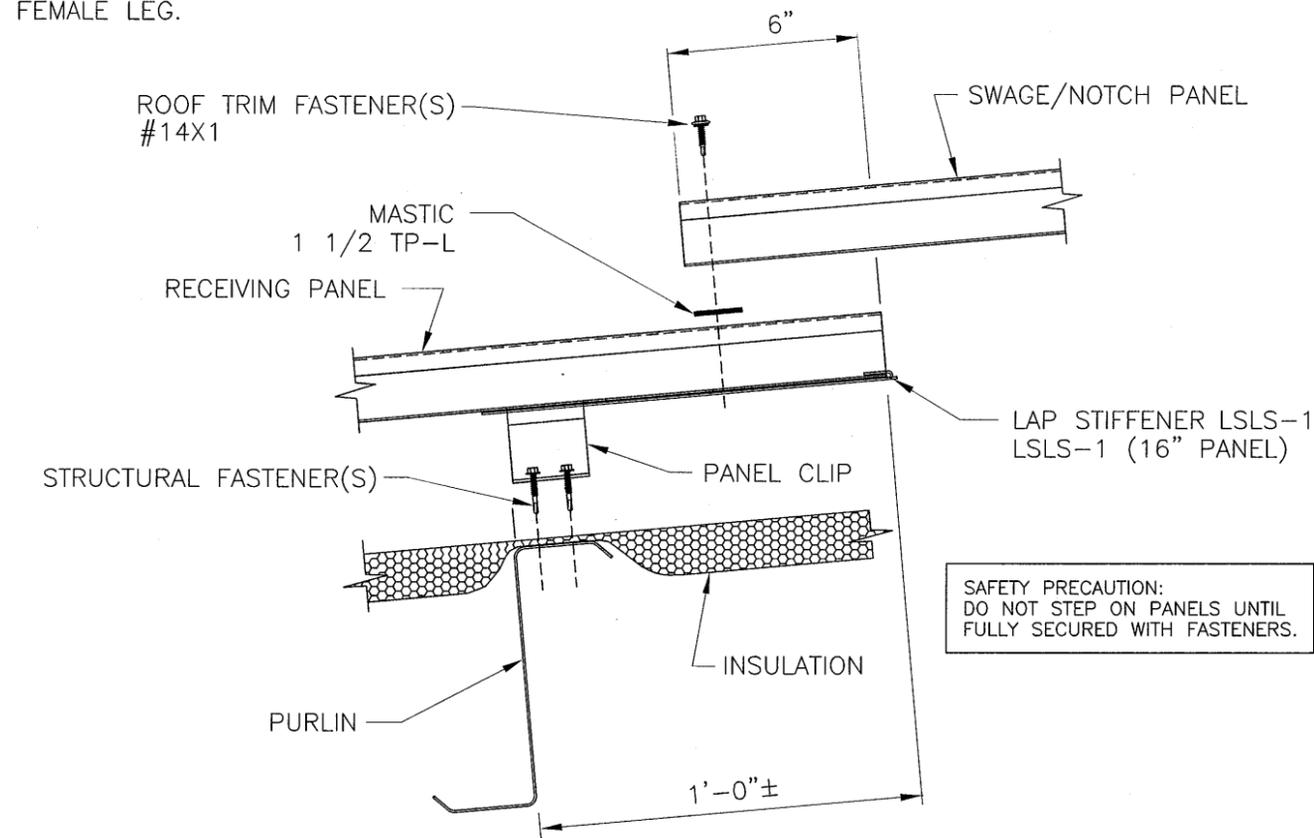
1/4"Ø BUTYL CAULK (SSCK-1)
5" LONG AT UPPER END OF
RECEIVING PANEL



ROOF PANEL ENDLAP CAULKING DETAIL

LOC SEAM 360

RC08
GA-MD



ROOF PANEL ENDLAP
LOC SEAM 360

RC06
GA-MD

SAFETY PRECAUTION:
DO NOT STEP ON PANELS UNTIL
FULLY SECURED WITH FASTENERS.

Jeffrey C. Walsh
11/15/12

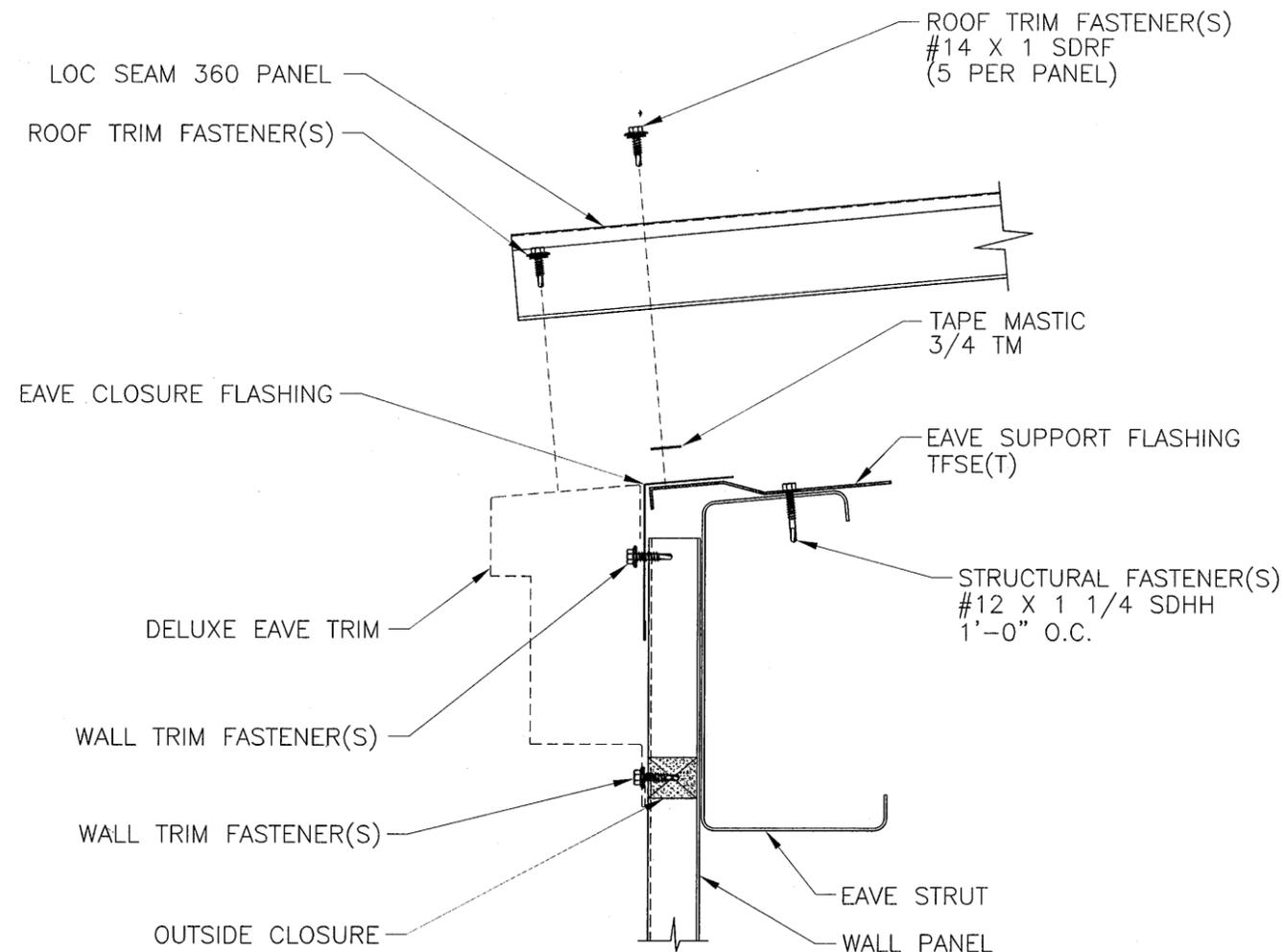
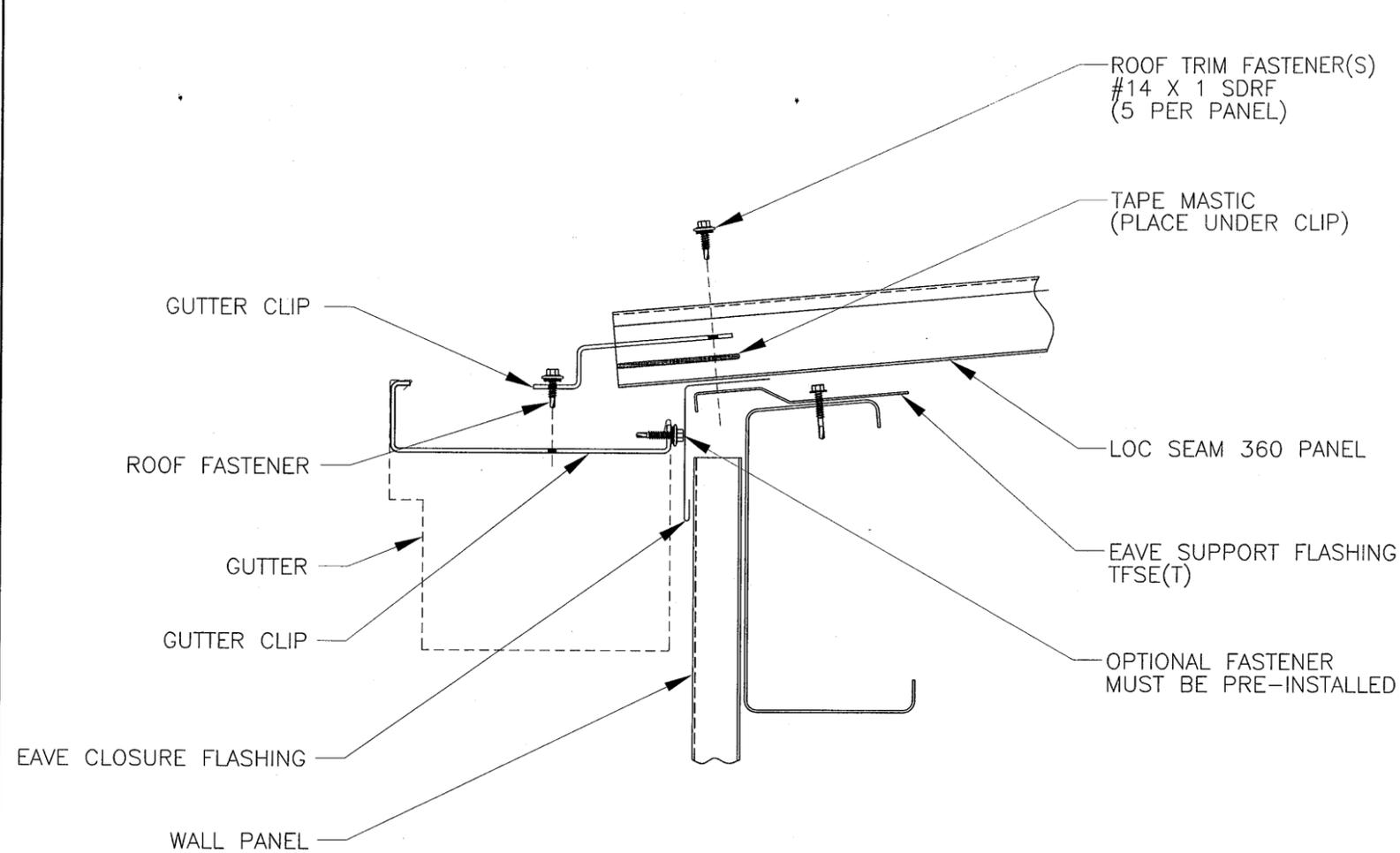
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ENGINEER'S STATE REGISTRATION NO.:						CHK'D BY:	JCW	6-28-12
41467								

LOC SEAM 360 ROOF PANEL
SECTION AT PANEL ENDLAP

EUFAULA ALABAMA

 AMERICAN BUILDINGS
 A HUGGER COMPANY
 DRAWING NUMBER: MD-LOC22 PAGE 4 of 9

PRODUCT REVISED
as complying with the Florida
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Expiration Date 10/17/2017
By *Healy A. Walsh*
Miami Dade Product Control



STANDARD GUTTER DETAIL WITH GUTTER CLIP ATTACHMENT
LOC SEAM 360

EA01
GA-MD

EAVE DETAIL W/DELUXE EAVE FLASHING
LOC SEAM 360

EA03
GB-MD

Jeffrey C. Walsh
11/15/12

ENGINEERS NAME:	NO.	REVISIONS	MADE	CK'D	DATE	SCALE:	NONE	DATE
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LOC SEAM 360 ROOF PANEL
SECTION AT EAVE

EUFAULA ALABAMA

 AMERICAN BUILDINGS
 A HUGOBON COMPANY
 DRAWING NUMBER: MD-LOC22 PAGE 5 of 9

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 Miami Dade Product Control

ROOF TRIM FASTENER
 NOT TO PASS THROUGH
 PURLIN OR GABLE ANGLE
 #14X1 SDRF
 6" O.C.
 TAPE MASTIC
 3/4 TM
 RAKE SUPPORT ANGLE
 RSA-1
 LOC SEAM 360 PANEL
 (FIELD CUT)

RAKE FLASHING
 SLIP ANGLE CLIP
 1 PER PURLIN LOCATION
 GABLE ANGLE
 STRUCTURAL FASTENER
 (2 PER CLIP)

STRUCTURAL FASTENER
 (2 PER PURLIN)
 #12X1 1/4 SDHH

WALL TRIM FASTENER(S)
 #12 X 1 1/4 SDHH
 (1'-0" O.C.)
 WALL PANEL
 (BY OTHERS)

PURLIN

UNIVERSAL RAKE DETAIL
 LOC SEAM 360

RA02
 AA-MD

Jeffrey C. Walsh
 11/15/12

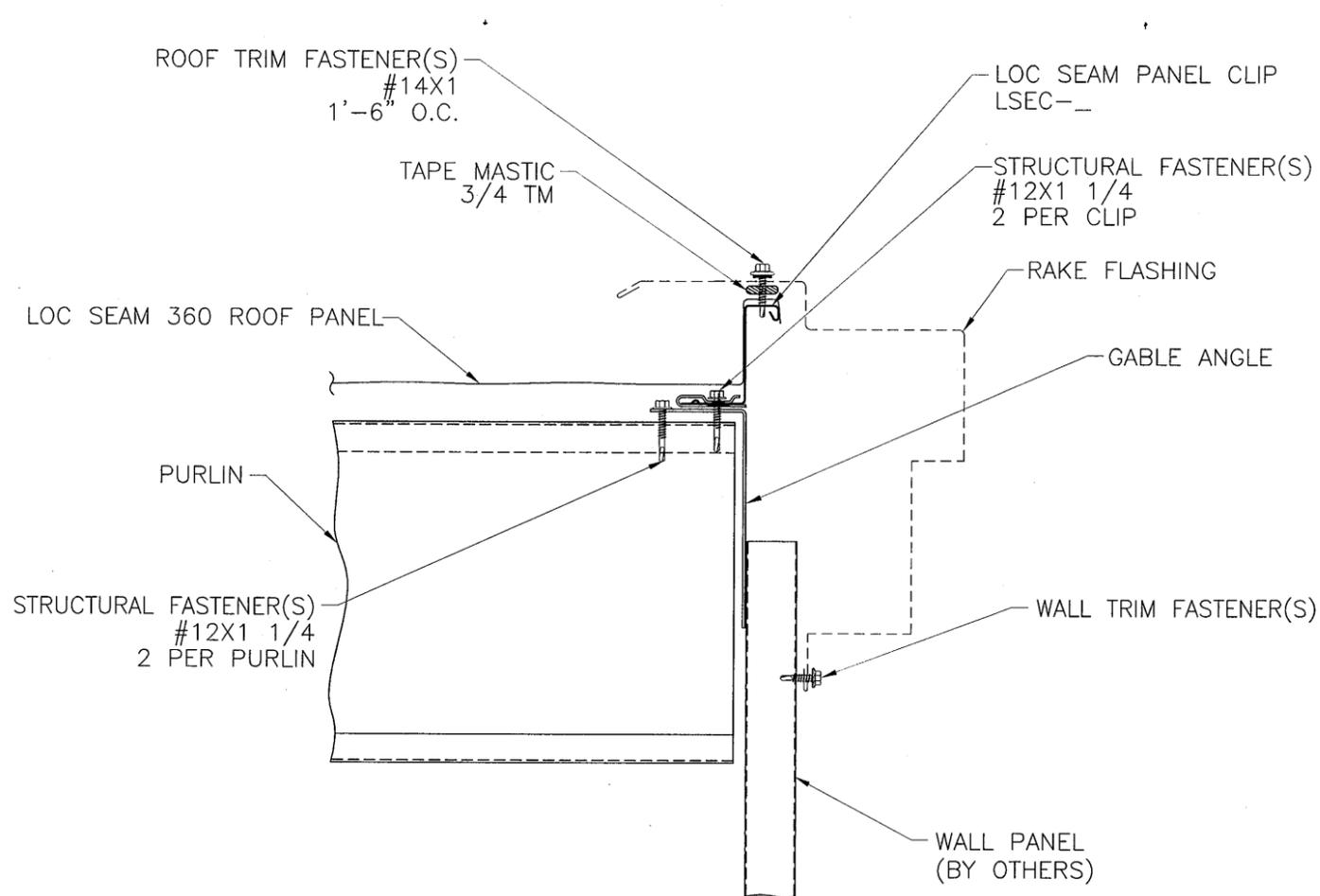
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ENGINEERS STATE REGISTRATION NO.:						CHK'D BY:	JCW	6-28-12
41467								

LOC SEAM 360 ROOF PANEL
 SECTION AT RAKE

EUFALA ALABAMA

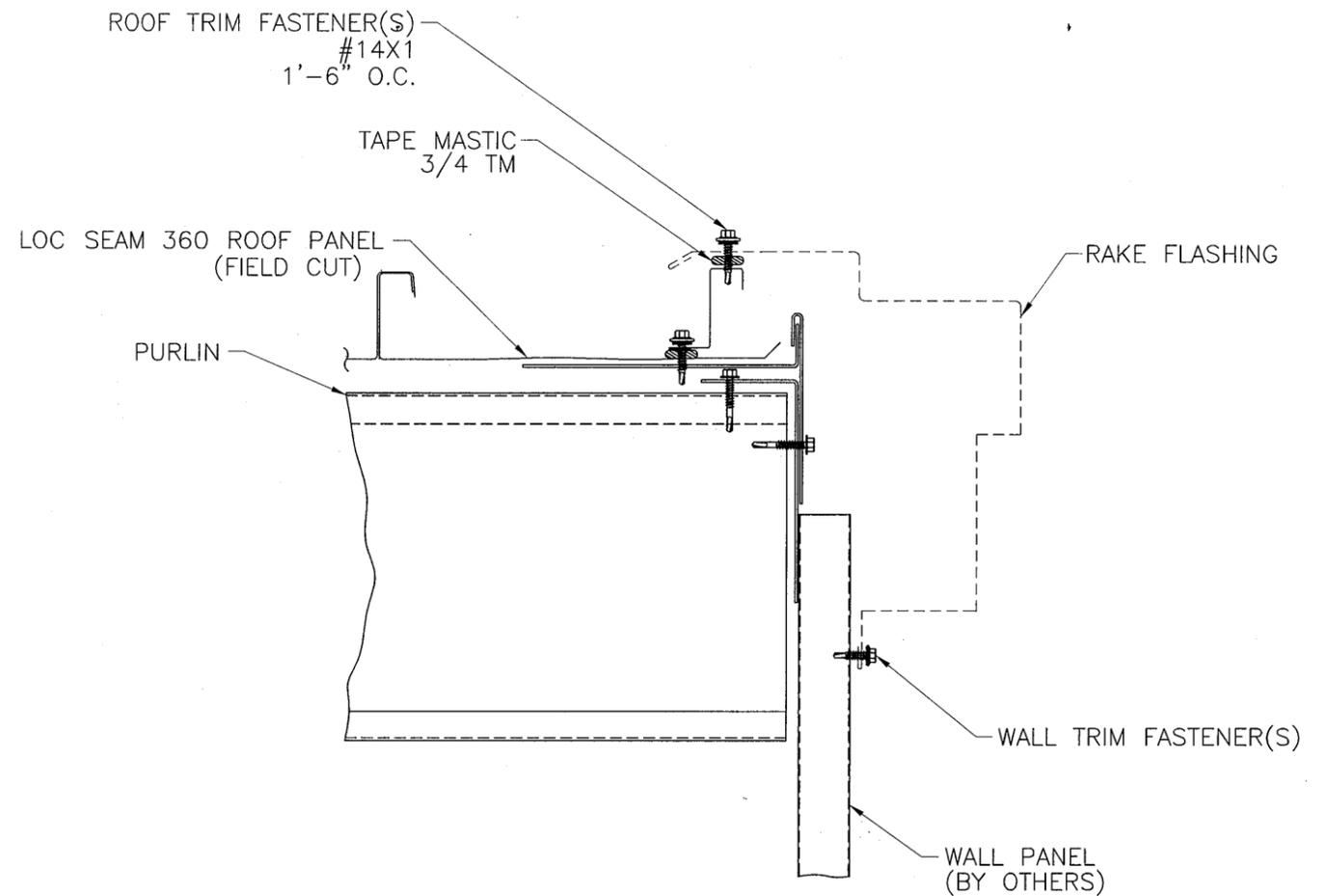
 AMERICAN BUILDINGS
 A HUCOR COMPANY
 DRAWING NUMBER: MD-LOC22 PAGE 6 of 9

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 By *Heidi A. Miller*
 Miami Dade Product Control



CUSTOM RAKE DETAIL AT STARTING ENDWALL
LOC SEAM 360

RA01
GA-MD



CUSTOM RAKE DETAIL AT ENDING ENDWALL
LOC SEAM 360

RA01A
GA-MD

Jeffrey C. Walsh
11/15/12

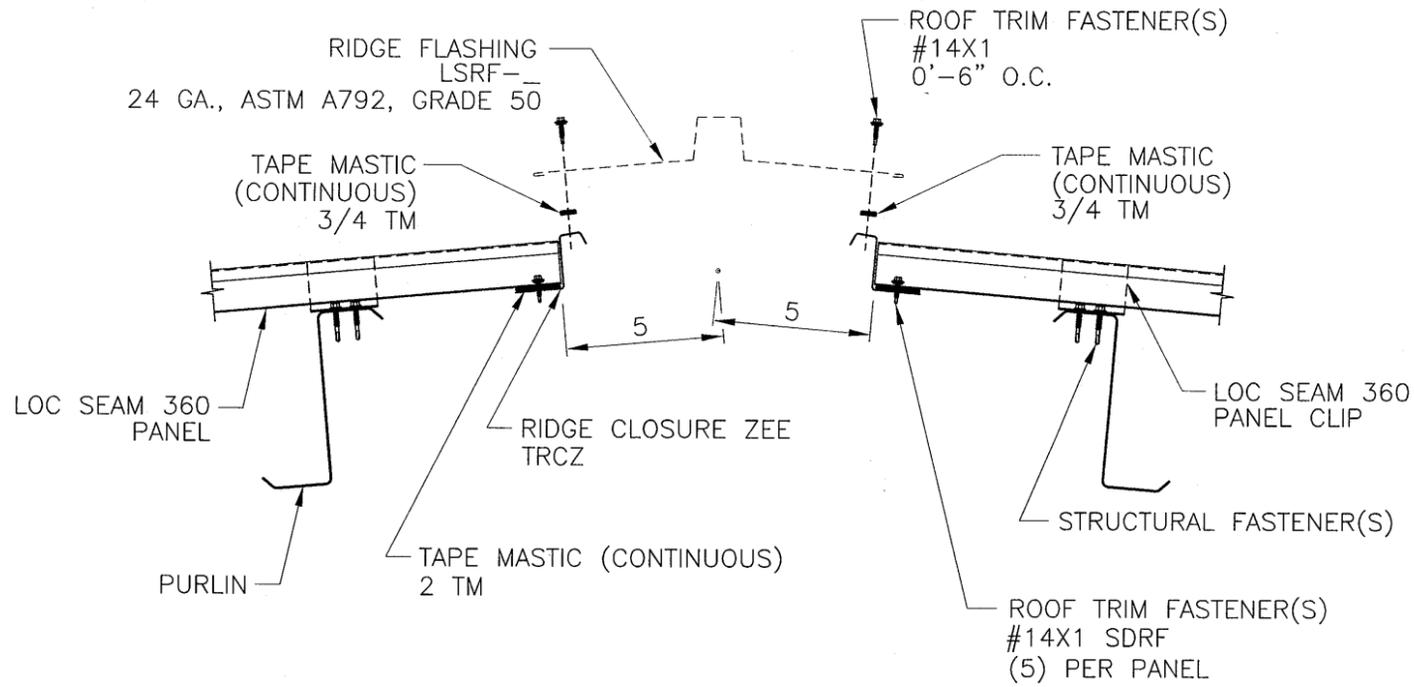
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LOC SEAM 360 ROOF PANEL
SECTION AT RAKE

EUFULA ALABAMA

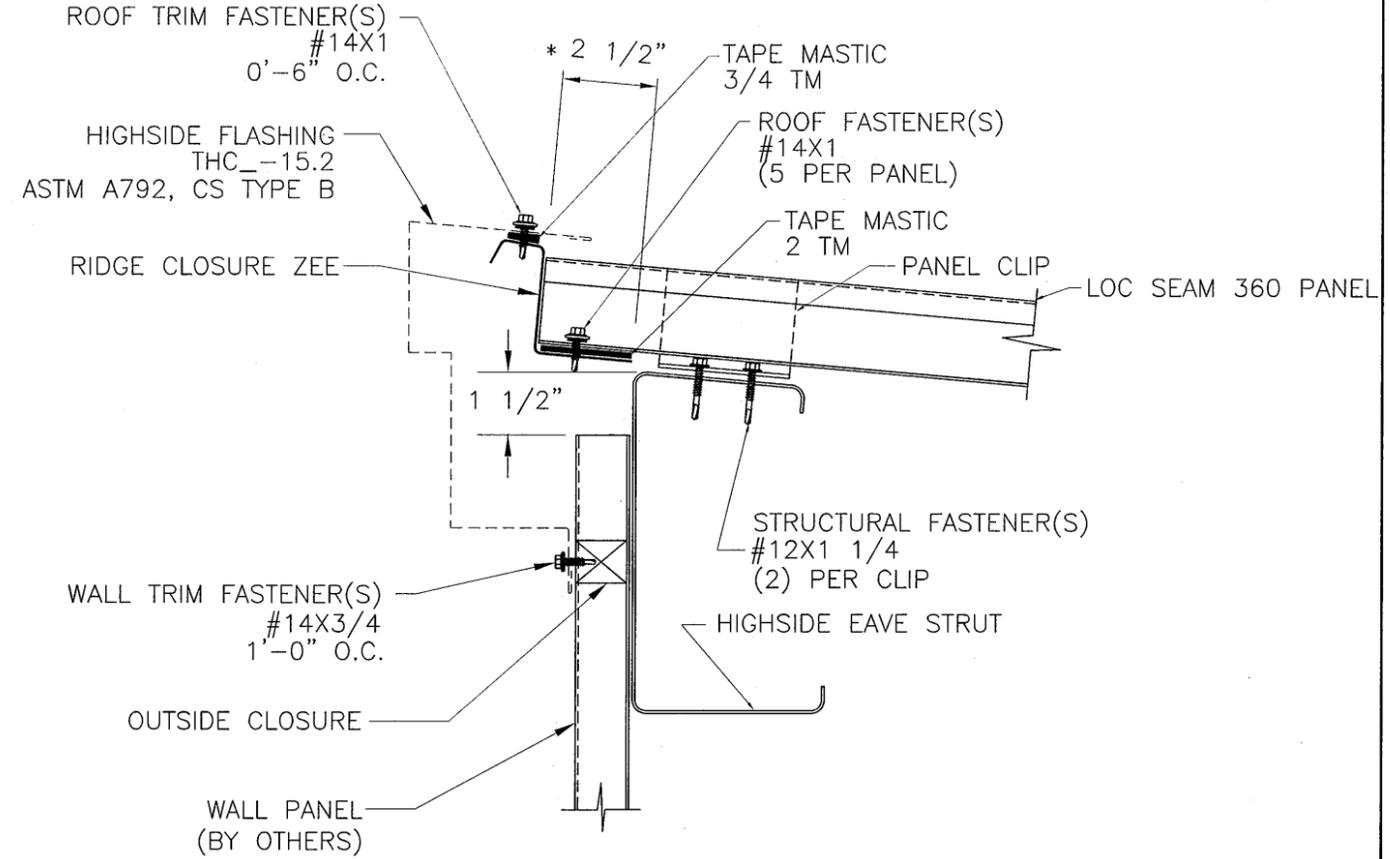
 AMERICAN BUILDINGS
 A NUCCA COMPANY
 DRAWING NUMBER: MD-LOC22
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 By *Healy A. Melton*
 Miami Dade Product Control



RIDGE DETAIL
LOC SEAM 360

RC32
GA-MD



DELUXE HIGHSIDE EAVE
LOC SEAM 360

EA05
GB-MD

Handwritten signature and date: J.C. Walsh 11/15/12

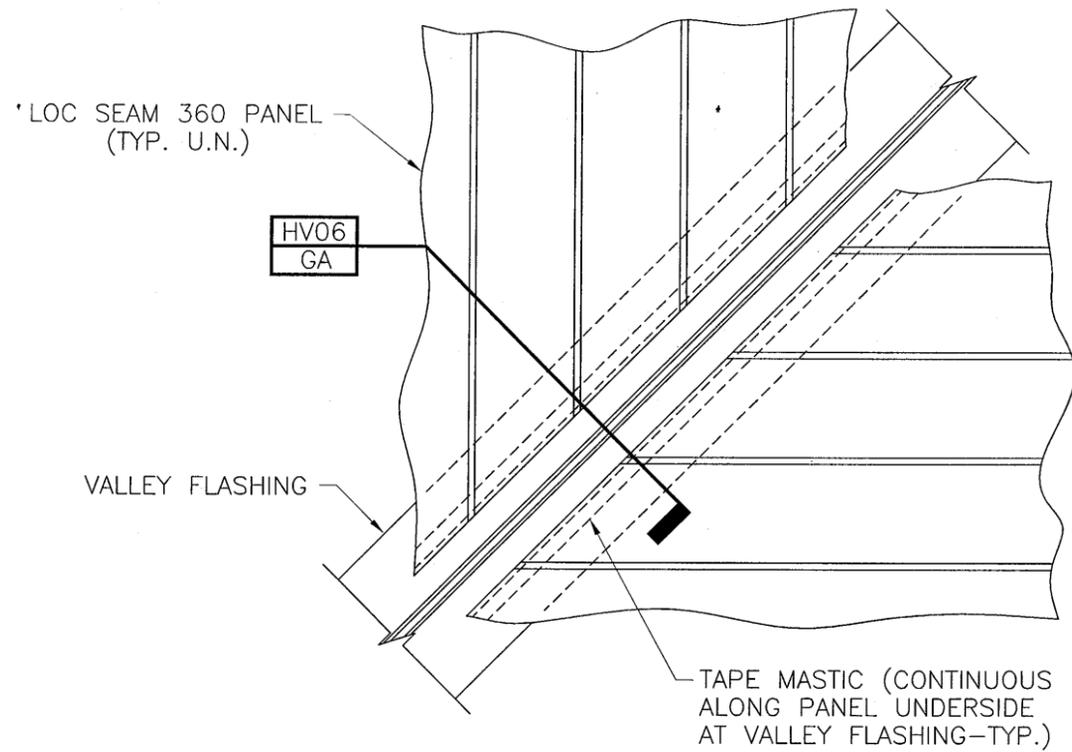
ENGINEERS NAME:	NO.	REVISIONS	MADE	CK'D	DATE	SCALE:	NONE	DATE
JEFFREY C. WALSH	1	REVISED FOR FINAL SUBMITTAL	THG	JCW	11-14-12			
ENGINEERS STATE REGISTRATION NO.:								
41467								

LOC SEAM 360 ROOF PANEL
SECTION AT RIDGE AND
HIGH SIDE EAVE

EUFAULA ALABAMA

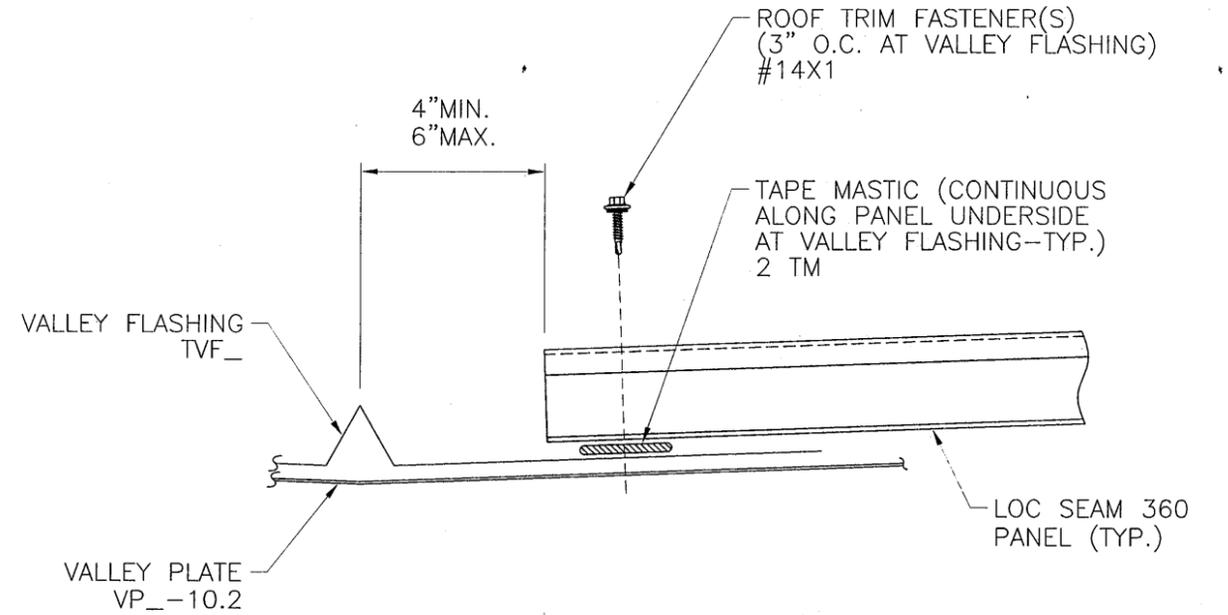
 AMERICAN BUILDINGS
 A HUBB COMPANY
 DRAWING NUMBER: MD-LOC22
 PAGE 8 of 9

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0703.10
 Expiration Date 10/17/2017
 By *Handwritten Signature*
 Miami Dade Product Control



PANEL DETAIL AT VALLEY
LOC SEAM 360 ROOF

HV07
GA-MD

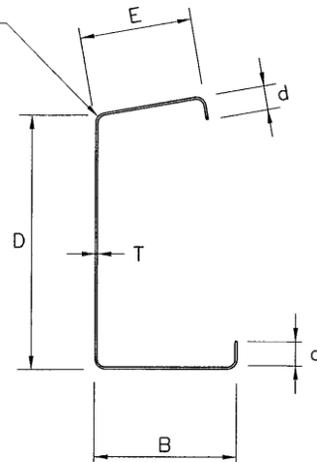


NOTE:
OPPOSITE SIDE OF VALLEY
NOT SHOWN FOR CLARITY.

VALLEY FLASHING DETAIL
LOC SEAM 360 ROOF

HV06
GA-MD

ASTM A1011 GRADE 55



STANDARD EAVE STRUT

Section Depth and Gauge	Depth "D" (in.)	Flange "B" (in.)	Flange "E" (in.)	Lips "d" (in.)	Thick "T" (in.)
40S6	4.000	3.500	2.250	0.719	0.060
40S4	4.000	3.500	2.250	0.781	0.075
60S6	6.000	4.500	2.500	0.781	0.060
60S4	6.000	4.500	2.500	0.844	0.075
60S2	6.000	4.500	2.500	0.938	0.099
80S5	8.000	4.500	3.375	0.719	0.067
80S4	8.000	4.500	3.375	0.750	0.075
80S2	8.000	4.500	3.375	0.844	0.099
95S3	9.500	4.500	4.500	0.969	0.089
95S2	9.500	4.500	4.500	1.031	0.099
95S1	9.500	4.500	4.500	1.125	0.120

Jeff Walsh
11/15/12

ENGINEERS NAME:	NO.	REVISIONS	MADE	CK'D	DATE
JEFFREY C. WALSH	1	REVISED FOR FINAL SUBMITTAL	THG	JCW	11-14-12

SCALE:	NONE	DATE
DRAWN BY:	THG	6-28-12
CHK'D BY:	JCW	6-28-12

LOC SEAM 360 ROOF PANEL
SECTION AT VALLEY

EUFULA		ALABAMA
DRAWING NUMBER: MD-LOC22		
		PAGE 9 of 9

PRODUCT REVISED
as complying with the Florida
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Acceptance No 12-0703.10
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By *Heather A. Walsh*
Miami Dade Product Control