



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

www.miamidade.gov

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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. 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, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 #07-0601.03 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

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



Helmy A. Makar
 12/20/2007

NOA No. 07-1025.03
Expiration Date: 10/17/2012
Approval Date: 12/20/2007
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

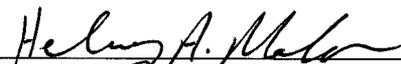
1. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by Asphalt Technologies, dated May 1, 2000, signed and sealed by Charles L. Thomas, P.E.*
2. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by Celotex, Report No. 520534, 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 Examiner

NOA No. 07-1025.03

Expiration Date: 10/17/2012

Approval Date: 12/20/2007

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. NEW EVIDENCE SUBMITTED

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

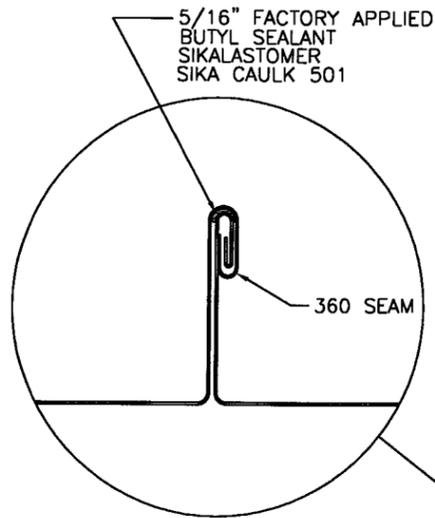
1. *By Miami Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



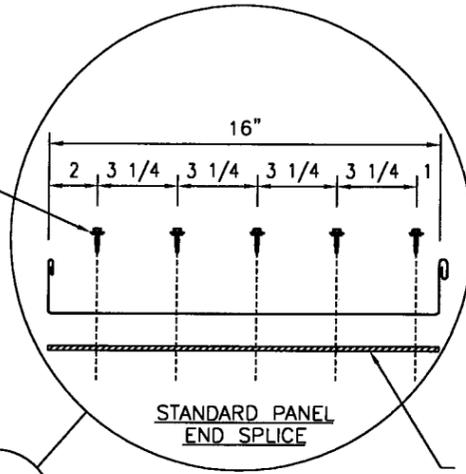
Helmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 07-1025.03
Expiration Date: 10/17/2012
Approval Date: 12/20/2007



5/16" FACTORY APPLIED BUTYL SEALANT SIKALASTOMER SIKA CAULK 501

360 SEAM

(5) #14X1 SDRF ATLAS



STANDARD PANEL END SPLICE

1 1/2" X 1/8" TAPE MASTIC SIKALASTOMER TC-95 (PRE-CUT STRIP)

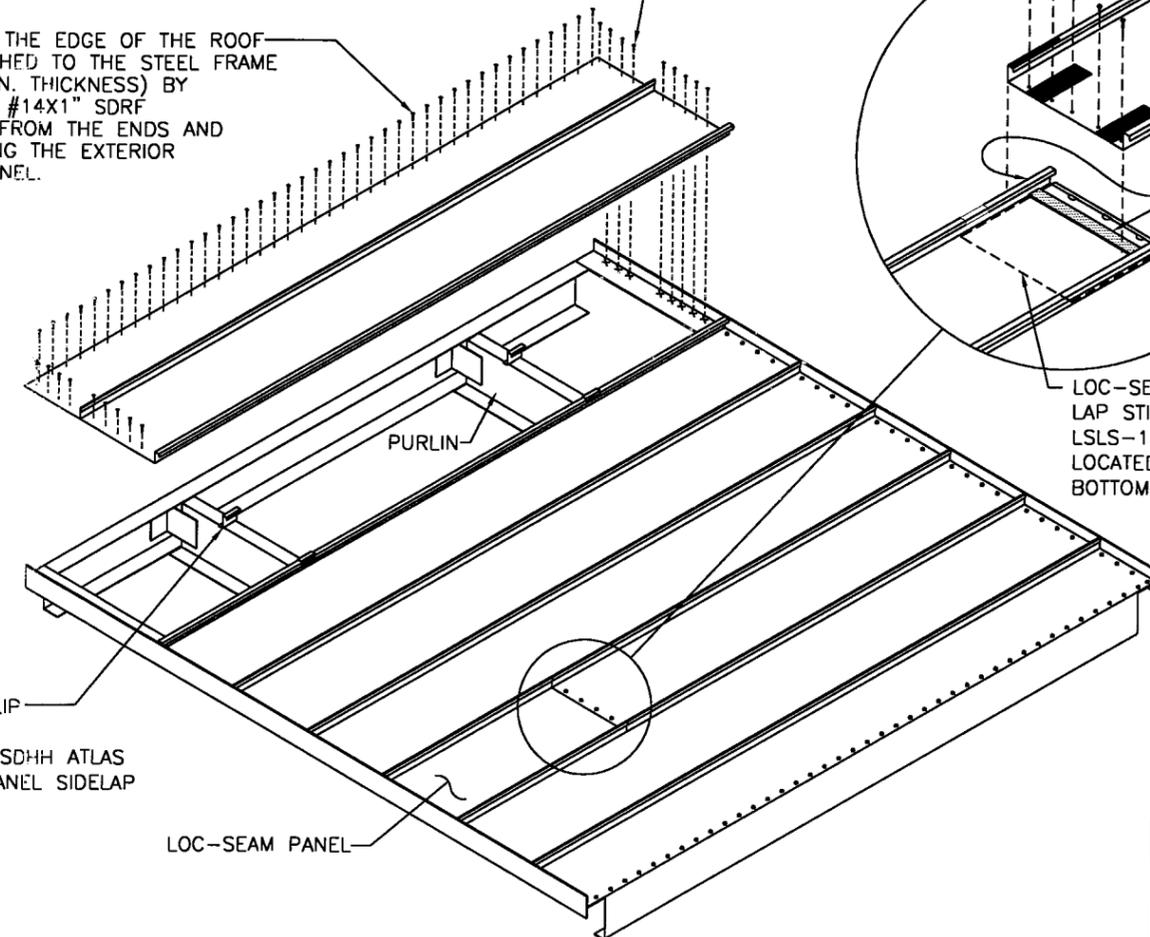
EACH PANEL END SHALL BE ATTACHED TO THE STEEL FRAME (WITH 0.060" MIN. THICKNESS) BY #14X1" SDRF ROOF FASTENER 3 1/4" O.C.

PRODUCT	MANUFACTURER
#12X1 1/4 SDHH	ATLAS BOLT & SCREW
#12X1 1/4 SDRF	ATLAS BOLT & SCREW
#12-24 X 1 1/2" SDRFT5	ATLAS BOLT & SCREW
#14X 1 SDRF	ATLAS BOLT & SCREW
1 1/2X1/8 TAPE MASTIC	SIKA CORP.
5/16" BUTYL SEALANT	SIKA CORP.



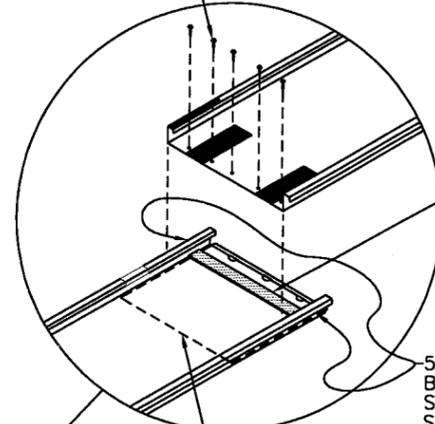
SECTION "A-A"

EACH PANEL AT THE EDGE OF THE ROOF SHALL BE ATTACHED TO THE STEEL FRAME (WITH 0.060" MIN. THICKNESS) BY ROOF FASTENER #14X1" SDRF LOCATED 1'-0" FROM THE ENDS AND 3'-0" O.C. ALONG THE EXTERIOR SIDE OF THE PANEL.



(5) #14X1 SDRF ATLAS

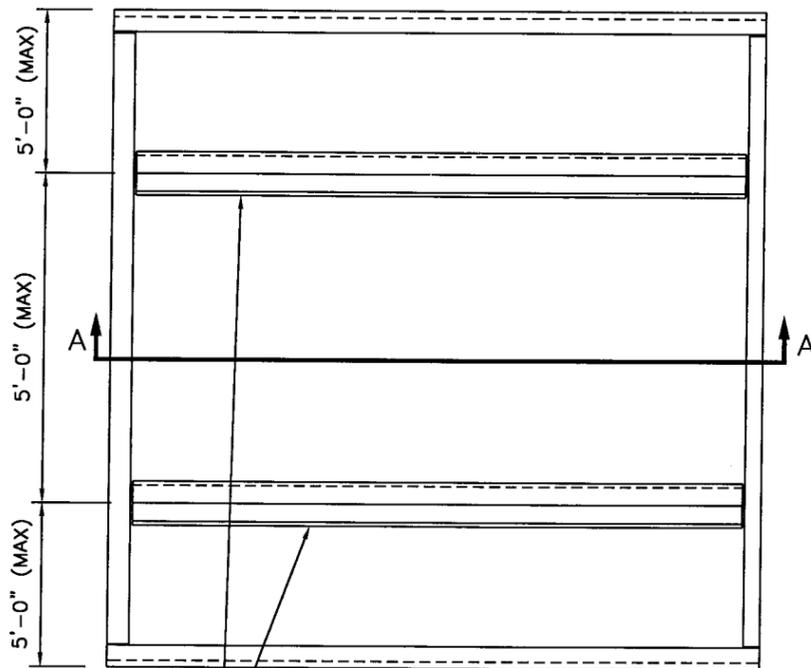
STANDARD PANEL END SPLICE LOCATED AT 12" FROM SUPPORT PURLIN



1 1/2" X 1/8" TAPE MASTIC SIKALASTOMER TC-95 (PRE-CUT STRIP)

5/16" FACTORY APPLIED BUTYL SEALANT SIKALASTOMER SIKA CAULK 501 AT PANEL SEAM.

LOC-SEAM LAP STIFFENER LSL-1 (12 1/2" X 15 1/2" X 0.060") LOCATED UNDER THE PANEL BOTTOM PANEL



PURLIN THE PURLIN DESIGN IS NOT PART OF THIS PRODUCT CONTROL APPROVAL AND IT SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB. PURLIN'S THICKNESS SHALL BE 0.060" (MIN.)

LOC-SEAM PANEL CLIP LSEC-1 OR LSEC-2 W/ (2) #12X1 1/4 SDHH ATLAS LOCATED AT EACH PANEL SIDELAP AT PURLINS

DWG. NO. LS36022 SHEET NO. 1 OF 6

For Dade County Office Use Only

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 07-1025.03 Expiration Date 10/17/2012 By *Heather A. Nelson* Mutual Code Enforcement Control Division

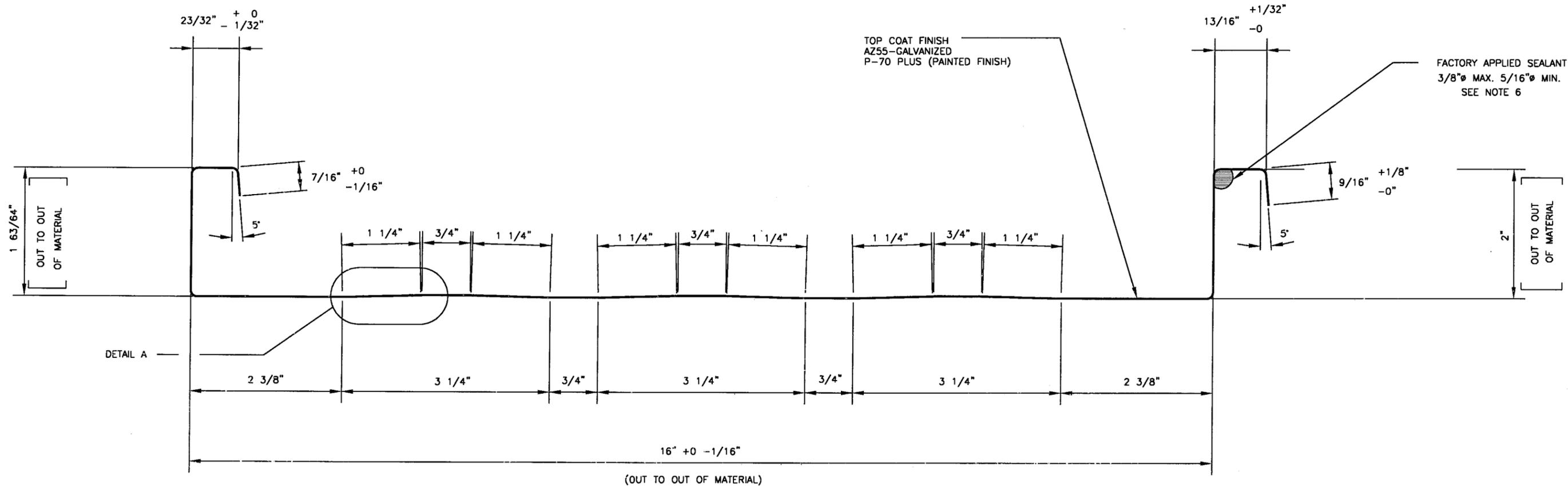
NO.	REVISION	MADE	CK'D.	DATE

Jeff Walsh
11/20/07

ENGINEER'S NAME: JEFFREY C. WALSH	SCALE: NOT TO SCALE	DATE: 3-14-00
ENGINEER'S STATE REGISTRATION NUMBER: 41467	DRAWN BY: M.S.	CHECKED BY: D.H.
	DESIGN APP'D. BY:	ISSUED DATE: 3-14-00

DADE COUNTY
LOC-SEAM ROOF
PANEL TEST SETUP

	American Buildings Company State Docks Road, P.O. Box 800 Eufaula, AL 36027-0800
	DRAWING NUMBER: DCTS-3C REVISION NUMBER: 0



LOC SEAM 360 ROOF PANELS: 22 GAUGE

THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING PANEL'S ALLOWABLES:

- MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 80.8 ft-lbs.
- MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 62.9 ft-lbs.
- MAXIMUM ALLOWABLE PANEL REACTION AT SUPPORT = 204.8 lbs.
- MAXIMUM ALLOWABLE DEFLECTION OF PANEL = $\frac{L}{240}$
- PANEL'S EI VALUE = 846,072 lbs.-in²

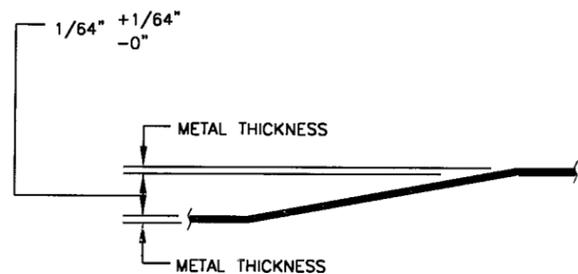
GENERAL NOTES

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. PANEL MATERIAL SHALL BE 0.030" (MIN.) GALVALUME STEEL PER ASTM A792 GR50 WITH MINIMUM YIELD 50 KSI AND COATED WITH AZ55.
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.

DWG. NO. LS36022 SHEET NO. 2 OF 6

For Dade County Office Use Only

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-1025.03
 Expiration Date 10/17/2012
 By *Helmy A. Helmy*
 Miami Dade Forest Control
 Division



DETAIL A
(TYPICAL)

NOTES

- THIS ROOF PANEL IS APPROVED FOR UPLIFT (NEGATIVE) PRESSURE PER THE PANEL'S ALLOWABLE SHOWN ABOVE AND GRAVITY (POSITIVE) PRESSURE OF 30.00 PSF.
- THIS ROOF PANEL IS APPROVED FOR SPANS OF UP TO 5'-0" MAXIMUM.

Neil chell
11/20/07

NO.	REVISION	MADE	CK'D.	DATE
2	REMOVED GRAVITY TABLE, ADDED DESIGN VALUE	THG	JCW	11-20-07
1	ADDED GRAVITY DESIGN VALUES	THG	JCW	10-15-07

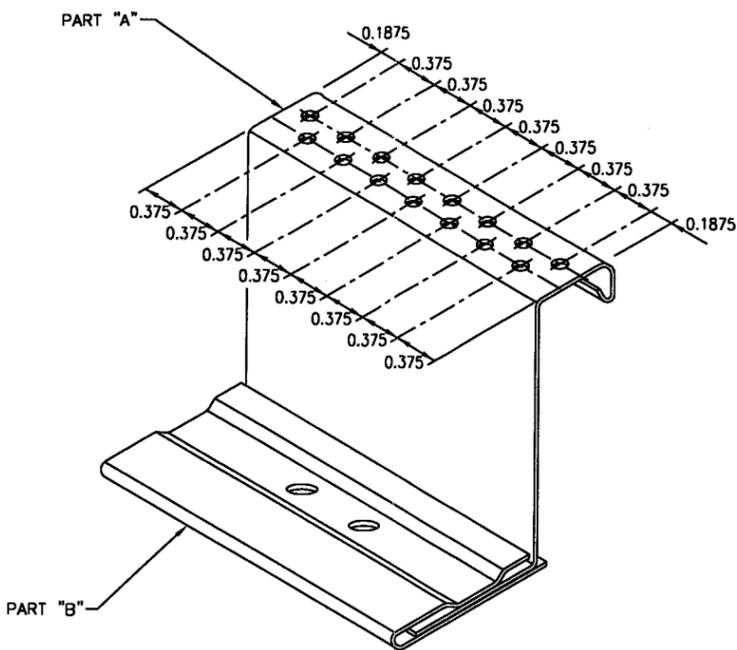
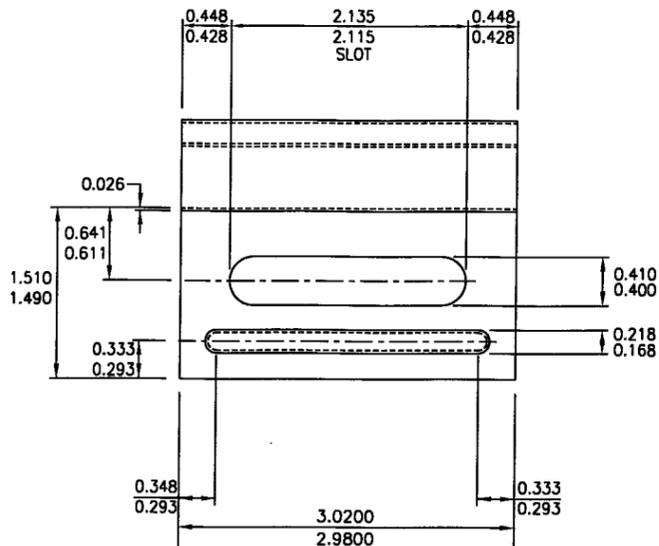
ENGINEER'S NAME: JEFFREY C. WALSH	SCALE: NOT TO SCALE	DATE
ENGINEER'S STATE REGISTRATION NUMBER: 41467	DRAWN BY: MCS	3-1-01
	CHECKED BY: PC	3-1-01
	DESIGN APP'D. BY:	
	ISSUED DATE:	3-1-01

**LOC SEAM PANEL
CROSS SECTION
LC624-LENGTH**

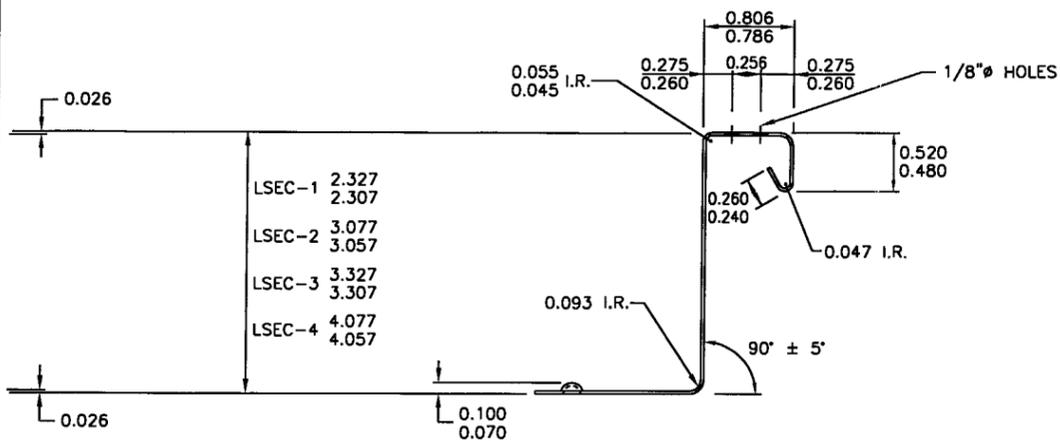


American Buildings Company
 State Docks Road, P.O. Box 800
 Eufaula, AL 36027-0800

DRAWING NUMBER: LOC	REVISION NUMBER: 2
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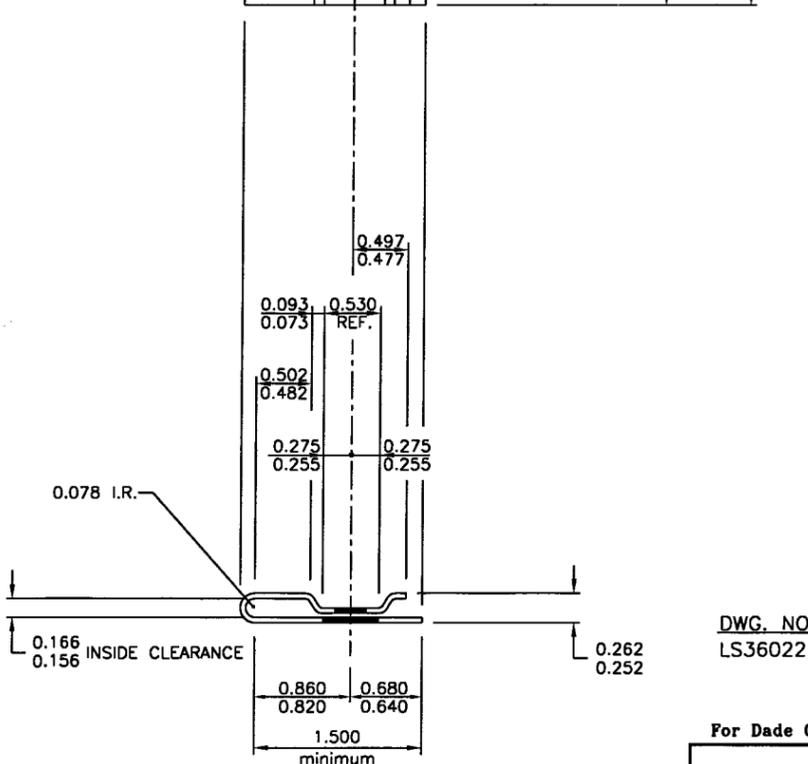
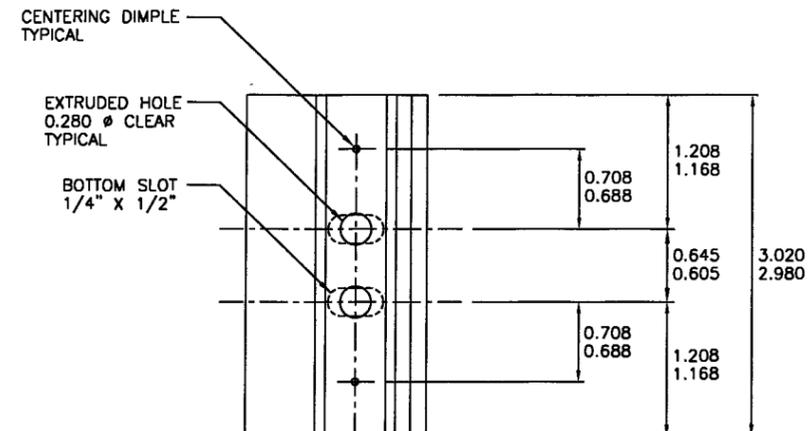


**CLIP ASSEMBLY
FOR LOC SEAM PANEL**
CLIP SHALL BE ATTACHED TO STRUCTURAL
STEEL PURLIN USING TWO #12X 1 1/4" SDHH
PER CLIP.



PART "A"

MATERIAL: ARMCO TYPE 2 ALUMINIZED GAINEX STEEL OR APPROVED EQUAL
THICKNESS= 0.026"
YIELD= 48,000 PSI MINIMUM



PART "B"

MATERIAL: G90 GALVANIZED STEEL
THICKNESS= 0.026"
YIELD= 50,000 PSI MINIMUM

DWG. NO. LS36022 SHEET NO. 3 OF 6

For Dade County Office Use Only

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-1025.03
Expiration Date 10/17/2012
By *Helena A. Miller*
Miami Dade Product Control
Division

NO.	REVISION	MADE	CK'D.	DATE

Jeff Walsh
11/20/07

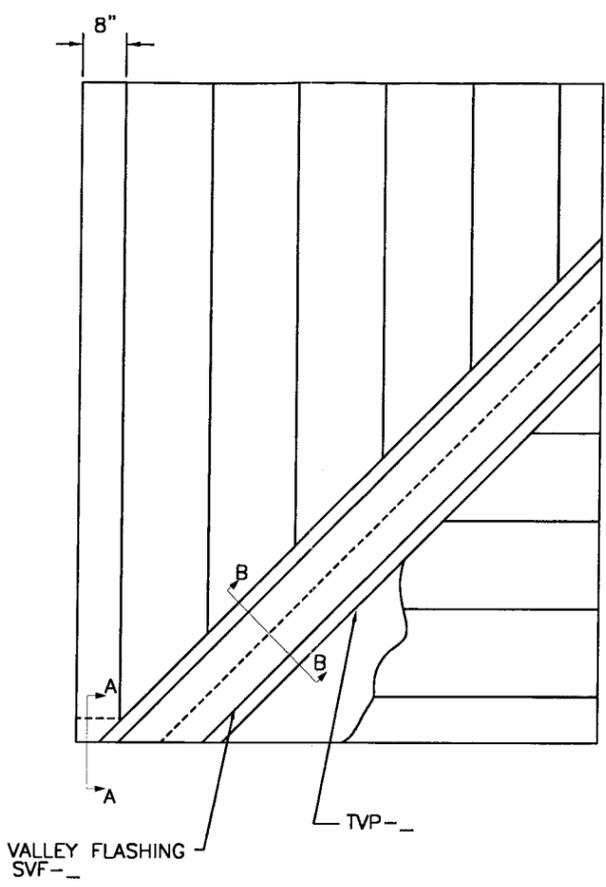
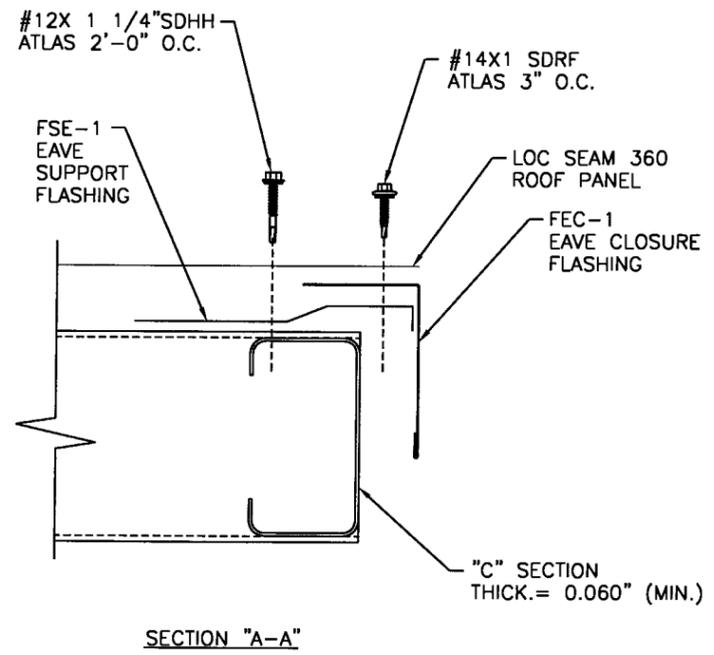
ENGINEER'S NAME: JEFFREY C. WALSH	SCALE: NOT TO SCALE	DATE: 3-2-00
ENGINEER'S STATE REGISTRATION NUMBER: 41467	DRAWN BY: T.A.C.	CHECKED BY: 3-2-00
	DESIGN APP'D. BY:	ISSUED DATE: 3-2-00

LOC SEAM PANEL CLIP



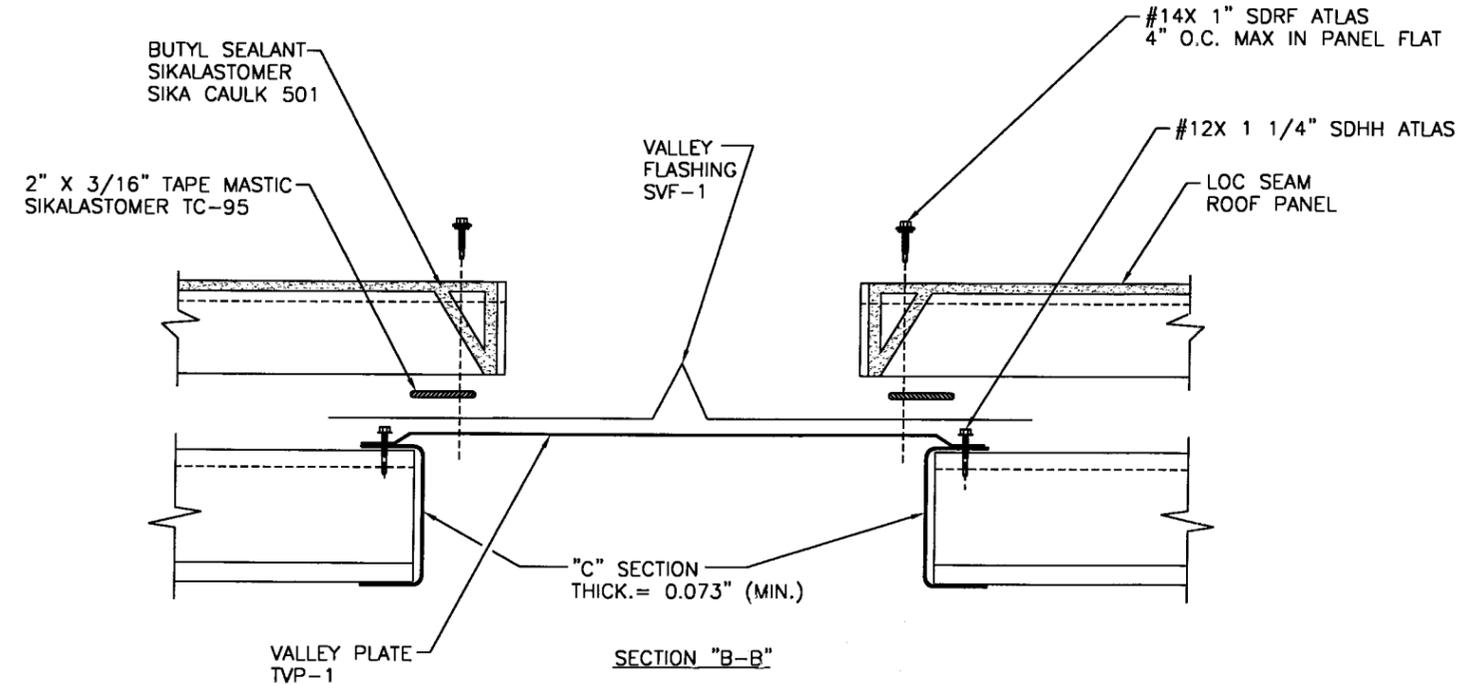
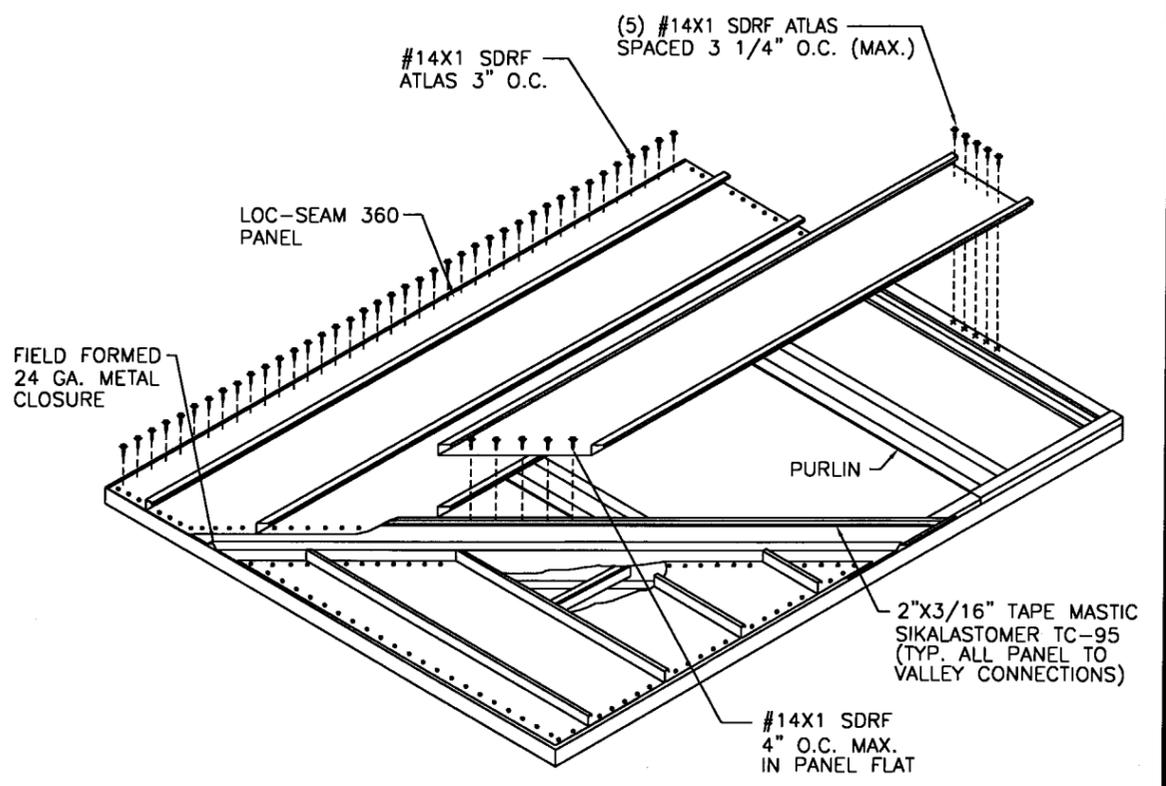
American Buildings Company
State Docks Road, P.O. Box 800
Eufaula, AL 36027-0800

DRAWING NUMBER: LSEC-1, 2, 3 & 4 REVISION NUMBER 0



PRODUCT	MANUFACTURER
#12X1 1/4 SDHH	ATLAS BOLT & SCREW
#14X1 SDRF	ATLAS BOLT & SCREW
BUTYL SEALANT	SIKA CORP.
2"x3/16" TAPE MASTIC	SIKA CORP.

MINOR RIBS OMITTED FOR CLARITY



DWG. NO. LS36022 SHEET NO. 4 OF 6

For Dade County Office Use Only

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No 07-1025.03
 Expiration Date 10/17/2012
 By *Helena A. Miller*
 Miami Dade Product Control Division

NO.	REVISION	MADE	CK'D.	DATE

Jeffrey C. Walsh
11/20/07

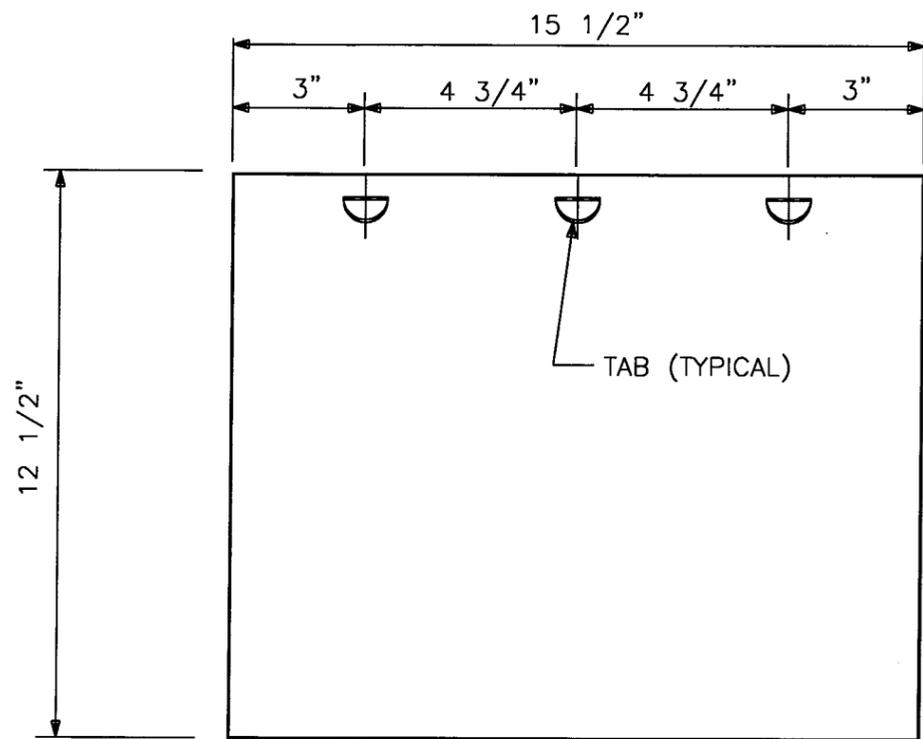
ENGINEER'S NAME: JEFFREY C. WALSH	SCALE: NOT TO SCALE	DATE: 2-17-00
ENGINEER'S STATE REGISTRATION NUMBER: 41467	DRAWN BY: YML	CHECKED BY: DH
	DESIGN APP'D. BY:	ISSUED DATE: 2-17-00

DADE COUNTY
 LOC-SEAM 360 ROOF PANEL
 W/ VALLEY TEST SETUP
 PA-100

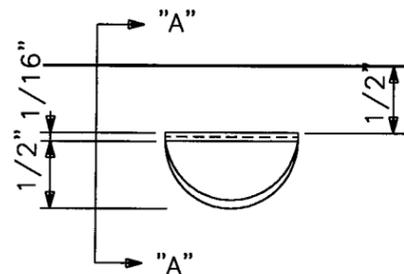


American Buildings Company
 State Docks Road, P.O. Box 800
 Eufaula, AL 36027-0800

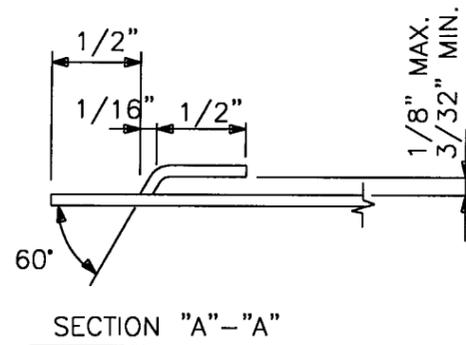
DRAWING NUMBER: DCTS-4C	REVISION NUMBER: 0
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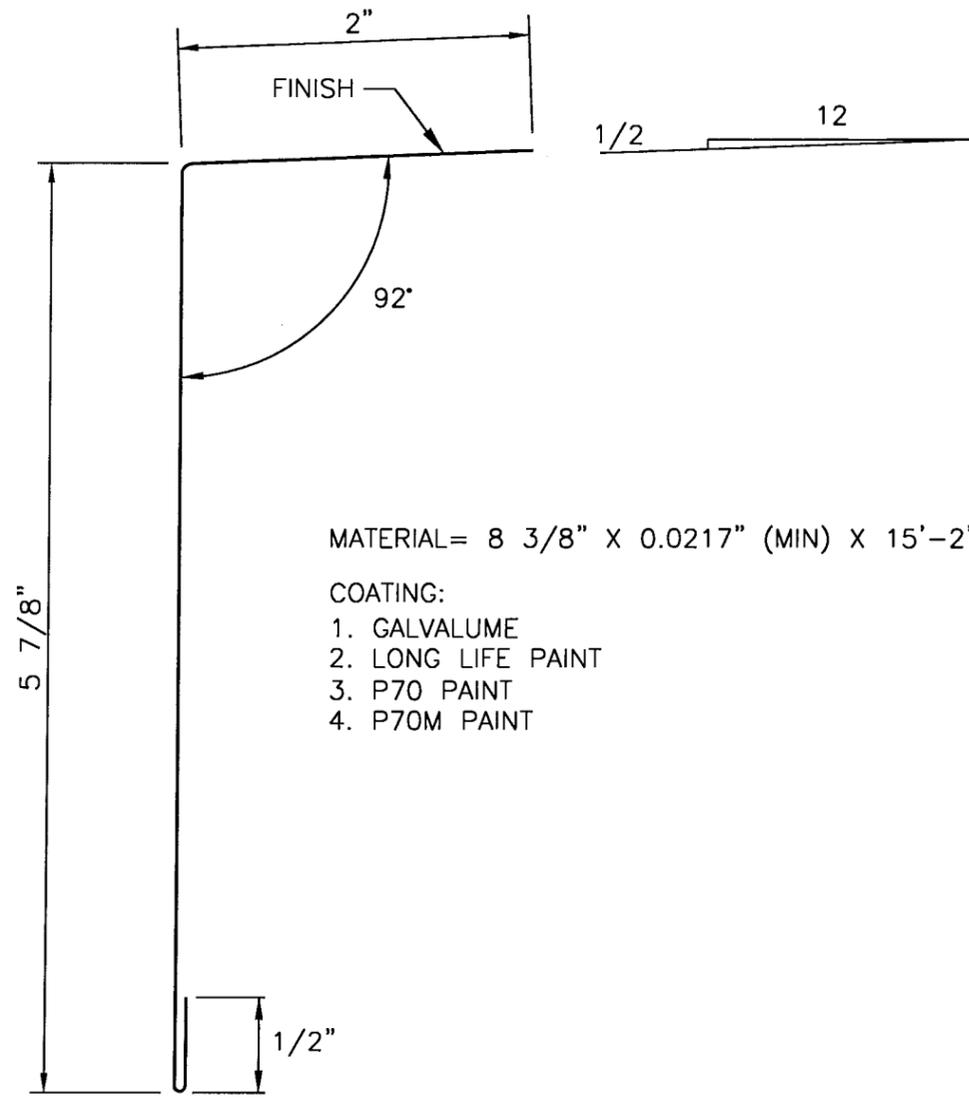
STOCK = 12 1/2" X 0.060" X 15 1/2"
 FINISH = PREPAINTED WITH RED OXIDE POLYESTER PAINT
 STEEL SPEC. = ASTM A570-88, GRADE 55



TOP VIEW



TAB DETAILS



MATERIAL = 8 3/8" X 0.0217" (MIN) X 15'-2" (50 KSI MIN)
 COATING:
 1. GALVALUME
 2. LONG LIFE PAINT
 3. P70 PAINT
 4. P70M PAINT

EAVE CLOSURE FLASHING
 FEC-1

DWG. NO. LS36022 SHEET NO. 5 OF 6

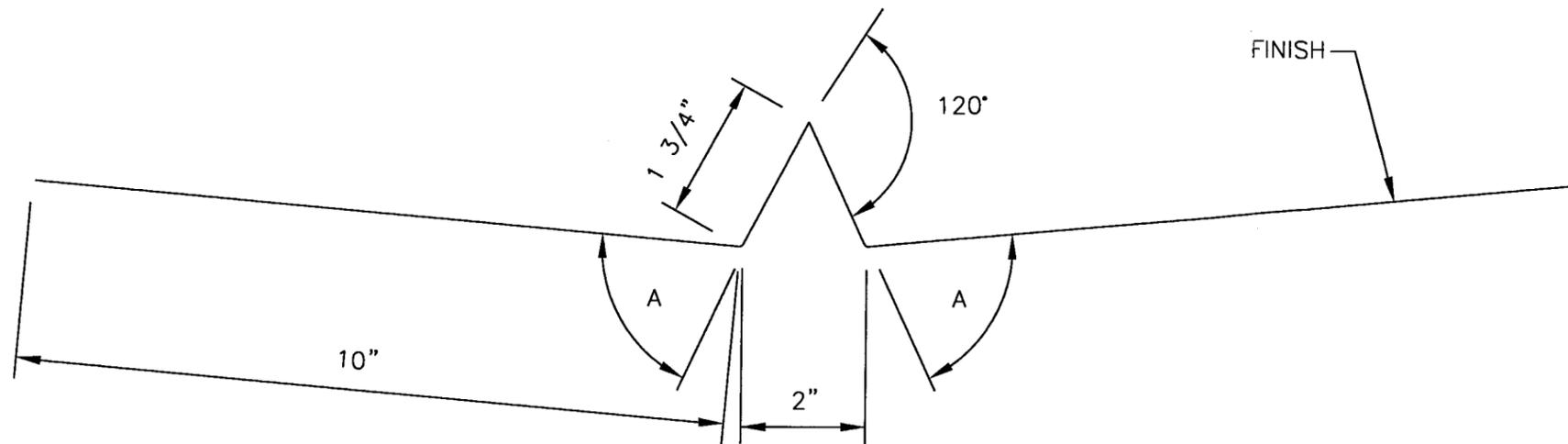
For Dade County Office Use Only

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 07-1025.03
 Expiration Date 10/17/2012
 By *Helene A. Walker*
 Miami Dade Product Control
 Division

NO.	REVISION	MADE	CK'D.	DATE

checked
 11/20/07

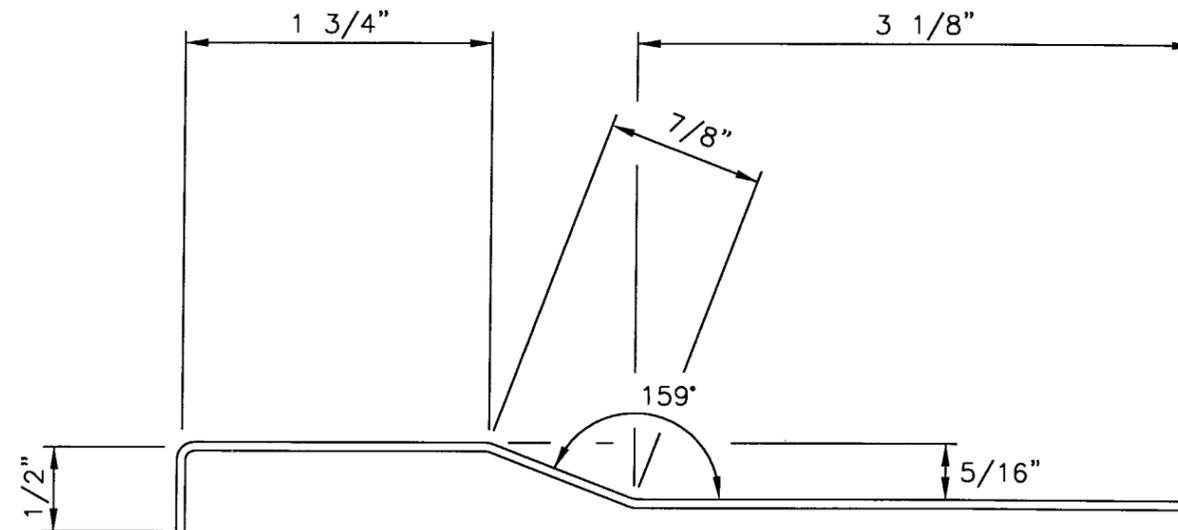
ENGINEER'S NAME: JEFFREY C. WALSH	SCALE: NOT TO SCALE	DATE: 3-2-00	LOC SEAM LAP STIFFENER & EAVE CLOSURE FLASHING	 American Buildings Company State Docks Road, P.O. Box 800 Eufaula, AL 36027-0800
ENGINEER'S STATE REGISTRATION NUMBER: 41467	DRAWN BY: T.A.C.	3-2-00		
	CHECKED BY:	3-2-00		
	DESIGN APP'D. BY:	3-2-00		
	ISSUED DATE:	3-2-00	DRAWING NUMBER: MP-1	REVISION NUMBER: 0



MATERIAL:
23 1/2" STOCK X 0.0217" (MIN.)

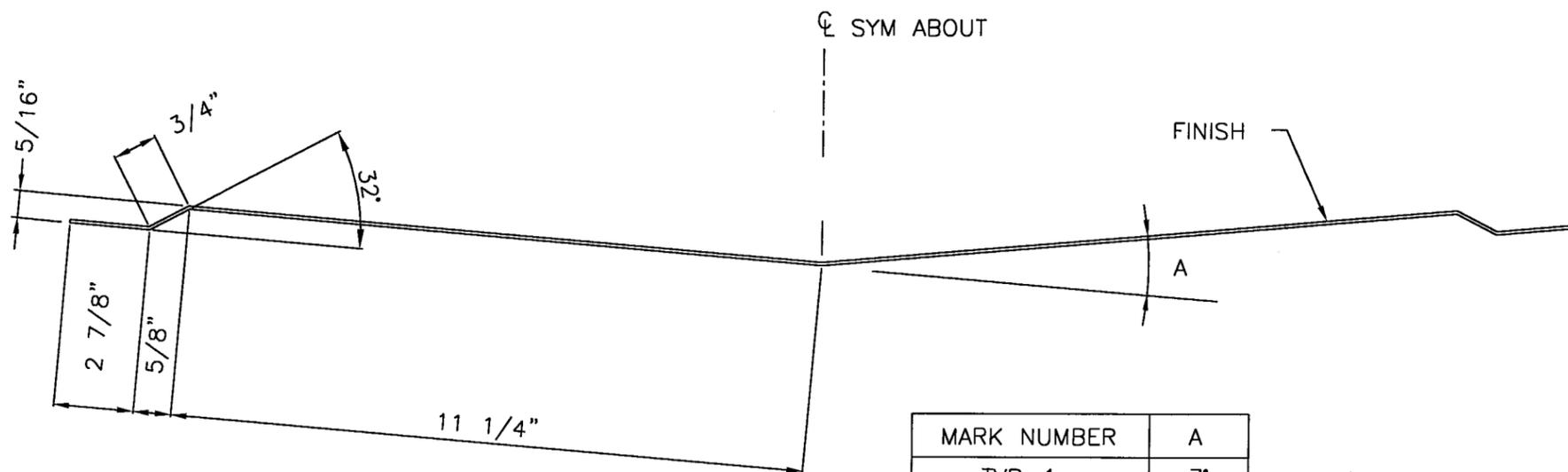
MARK NO	A
SVF-1	63°

VALLEY FLASHING
SVF-1



MATERIAL= 6 1/4" X 0.0516" X 15'-2" (CQ min.)
COLOR= ALCT

FLASHING EAVE SUPPORT
FSE-1



MATERIAL:
30" STOCK X 0.0516" (MIN.)

MARK NUMBER	A
TVP-1	7°

VALLEY PLATE
TVP-1

DWG. NO. LS36022 SHEET NO. 6 OF 6

For Dade County Office Use Only

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-1025.03
Expiration Date 10/17/2012
By *Helene A. Miller*
Miami Dade Product Control
Division

NO.	REVISION	MADE	CK'D.	DATE

Jeffrey C. Walsh
11/20/07

ENGINEER'S NAME: JEFFREY C. WALSH	SCALE: NOT TO SCALE	DATE 3-2-00	VALLEY FLASHING, VALLEY PLATE, AND FLASHING EAVE SUPPORT		American Buildings Company State Docks Road, P.O. Box 800 Eufaula, AL 36027-0800
ENGINEER'S STATE REGISTRATION NUMBER: 41467	DRAWN BY: T.A.C.	3-2-00			
	CHECKED BY:	3-2-00			
	DESIGN APP'D. BY:	3-2-00			
	ISSUED DATE:	3-2-00	DRAWING NUMBER: MP-2	REVISION NUMBER: 0	