



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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov

Acurlite Structural Skylights, Inc.
1017 North Vine Street, P. O. Box 5
Berwick, PA 18603

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: 9/16" Laminated Glass and Aluminum Extrusions Skylight System

APPROVAL DOCUMENT: Drawing No. SMNOA-001, titled "Secure Series Small Missile" sheets 1 through 14 of 14, dated February 04, 2010, last revision #2 dated 06/10/19, prepared by Acurlite, signed and sealed by Robert J. McCloy, P.E., on 06/17/19, 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 Division.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit 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 and Renews** NOA #10-0607.01 and consists of this page 1, evidence submitted pages E-1 and 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
08/15/2019

NOA No. 19-0717.01
Expiration Date: 08/15/2024
Approval Date: 08/15/2019
Page 1

Acurlite Structural Skylights, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENS SUBMITTED UNDER PREVIOUS APPROVAL # 10-0607.01

A. DRAWINGS

1. *Drawing No. SMNOA-001, titled " Secure Series Small Missile " sheets 1 through 14 of 14, dated February 04, 2010, prepared by Acurlite, signed and sealed by Robert J. McCloy, P.E., on February 08, 2010.*

B. TESTS

1. *Test report on Small Missile Impact Test and Cyclic Load Test on Acurlite Structural Skylights, prepared by HTL, Report No. 0541-0418-09, dated 12/14/09, signed and sealed by Vinu J. Abraham, P.E.*
2. *Test report on Uniform Static air Pressure Test on Acurlite Structural Skylights, prepared by HTL, Report No. 0541-0418-09, dated 12/14/09, signed and sealed by Vinu J. Abraham, P.E.*
3. *Corner joint pull-test, prepared by HTL, Report No. 0541-0910-09, dated 11/05/09, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS

1. *Calculation titled " Skylight Structural Calculations ", pages 1 through 359 of 359, dated 01/22/10, signed and sealed by Robert J. McCloy, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Die Drawings for Extrusion Members.*

2 NEW EVIDENS SUBMITTED

A. DRAWINGS

1. *Drawing No. SMNOA-001, titled " Secure Series Small Missile " sheets 1 through 14 of 14, dated February 04, 2010, last revision #2 dated 06/10/19, prepared by Acurlite, signed and sealed by Robert J. McCloy, P.E., on 06/17/19.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 19-0717.01
Expiration Date: 08/15/2024
Approval Date: 08/15/2019

Acurlite Structural Skylights, Inc.

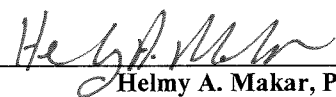
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. *Die Drawings for Extrusion Members.*

F. STATEMENTS

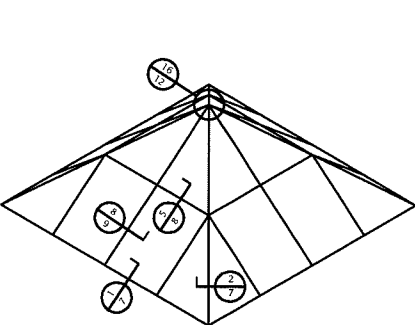
1. *FBC, 2017 Edition Compliance letter issued by Robert J. McCloy, P.E., on 06/17/19, signed and sealed by Robert J. McCloy, P.E.*



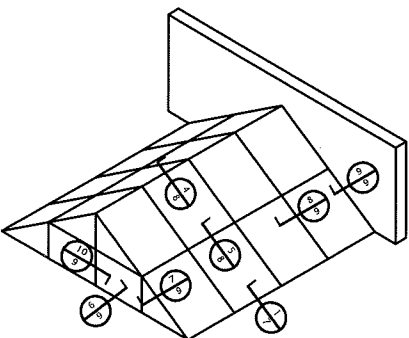
Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 19-0717.01
Expiration Date: 08/15/2024
Approval Date: 08/15/2019

- Notes:
- 1. The skylight system indicated on these shop drawings has been verified for compliance in accordance with the 2017 Florida Building Code. Maximum design pressure +120psf and -100psf.
 - 2. The skylight system may be installed in High Velocity Hurricane Zone.
 - 3. These shop drawings are generic and do not provide information for site specific projects.
 - 4. Structural adequacy of the supporting structure is not part of this product approval. Design of the supporting structure is the responsibility of the engineer of record for the project.
 - 5. Design of the supporting structure shall take into account the loads being transferred from the skylight system (reactions) to the supporting structure.
 - 6. The skylight system indicated on these shop drawings tested for small missile impact in accordance with TAS 201/202/203.
 - 7. See sheet 6 of 14 of these shop drawings for glazing options
 - 8. Aluminum in contact with dissimilar materials shall be protected in accordance with the Florida Building Code.

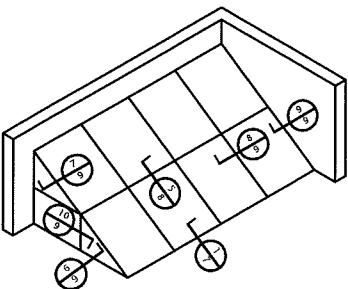
SMALL MISSILE



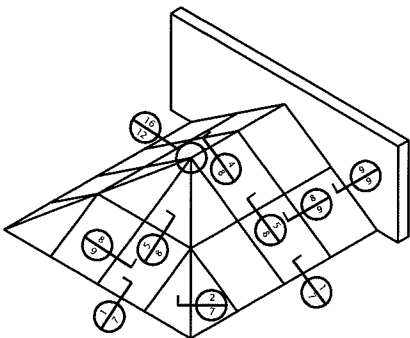
PYRAMID



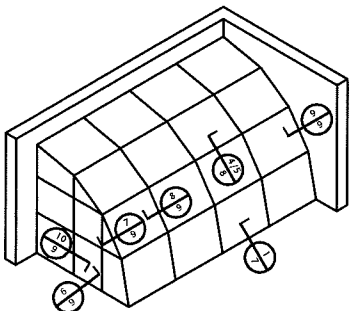
DOUBLE PITCH WITH GABLE



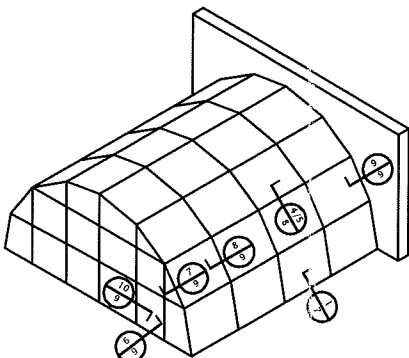
SINGLE PITCH WITH GABLE



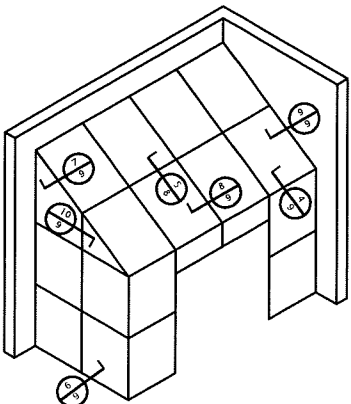
DOUBLE PITCH WITH HIP



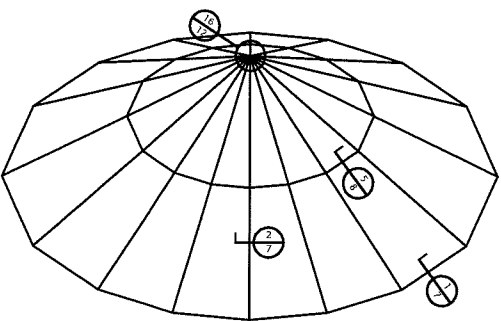
SEGMENTED BARRELL QUATER VAULT
WITH GABLE



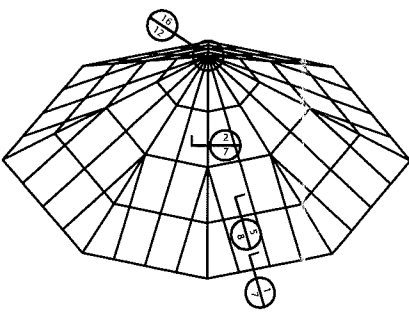
SEGMENTED BARRELL HALF VAULT
WITH GABLE



STRAIGHT EAVE LEAN-TO
WITH GABLE

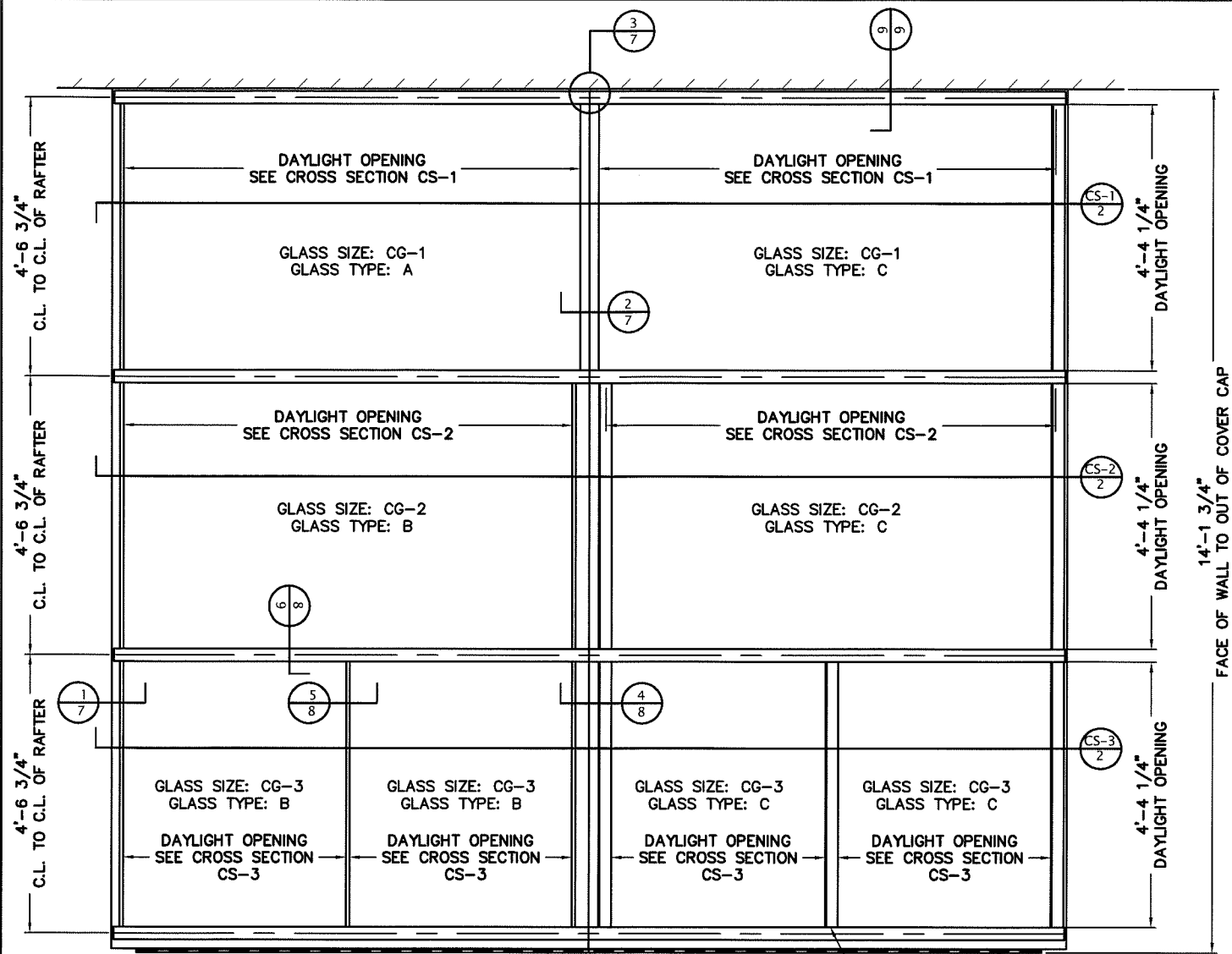


POLYGON



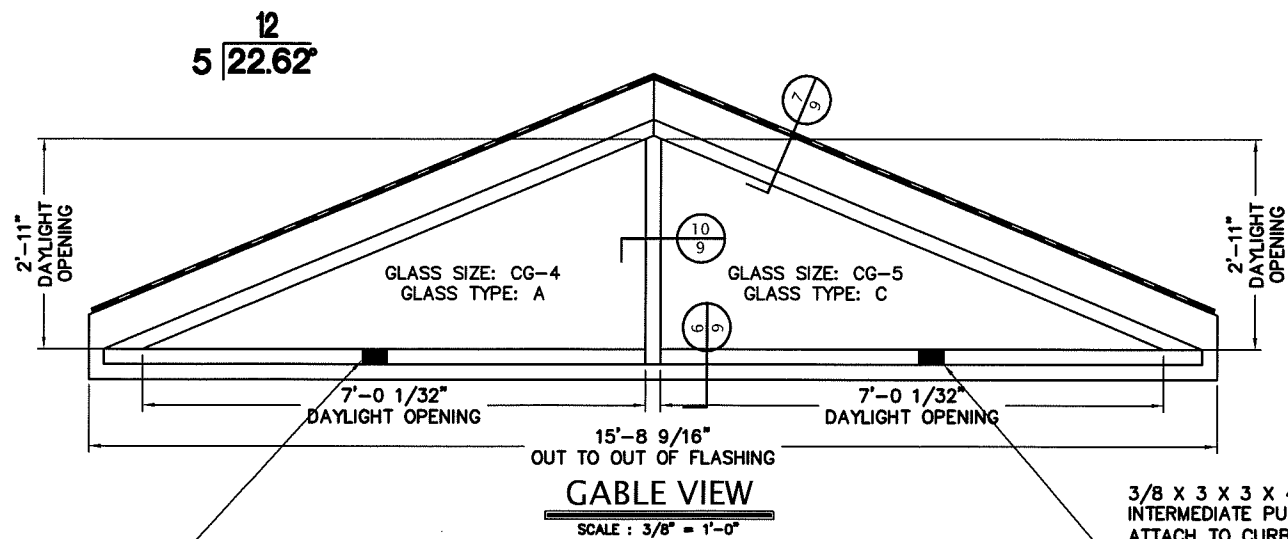
POLYGON WITH JACK RAFTERS

DADE COUNTY USE		ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 19-0717.01 Expiration Date 08/15/2024 By H. J. A. Miller Miami Dade Product Control		Robert J. McLeary 2/11/2019 No 0030061 STATE OF FLORIDA PROFESSIONAL ENGINEER
SECURE SERIES		SMALL MISSILE
COVERSHEET		1 of 14



PLAN VIEW
SCALE : 3/8" = 1'-0"

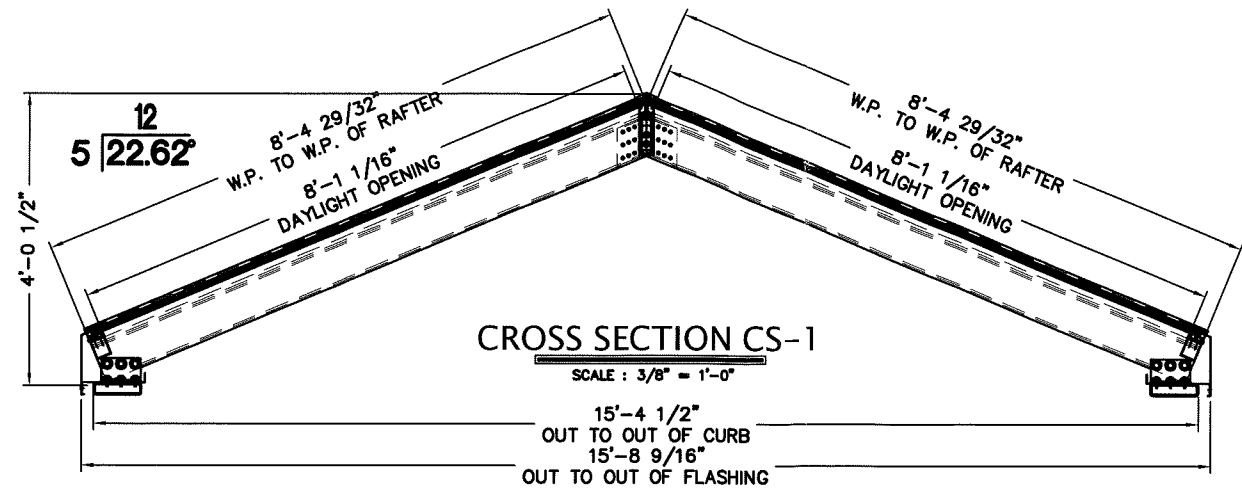
SEAL INTERSECTION OF ALL PRESSURE CAPS AND COVER CAPS. USE DOW CORNING 795



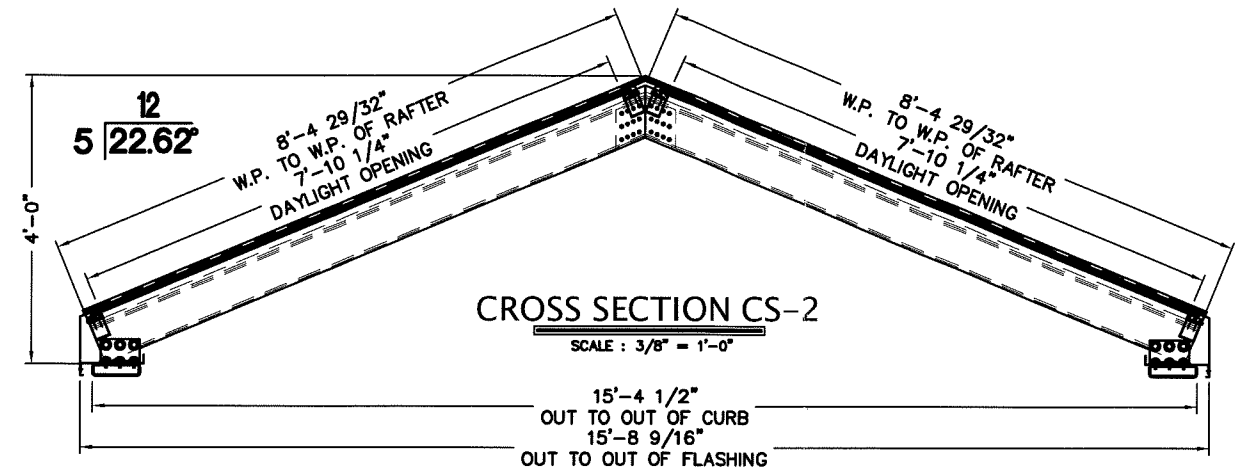
GABLE VIEW
SCALE : 3/8" = 1'-0"

3/8 X 3 X 3 X 4 LONG INTERMEDIATE PURLIN SUPPORT ANGLE ATTACH TO CURB USING 1/2-13 HEX HD TAP BOLT DRILL AND TAP INTO STEEL ATTACH TO PURLIN USING (4) #12 X 1 H.W.H. TEK SCREWS QUANTITY, SIZE AND REQUIREMENT OF SUCH BASED ON SIZE AND GEOMETRY OF SKYLIGHT (NOT PART OF PRODUCT APPROVAL)

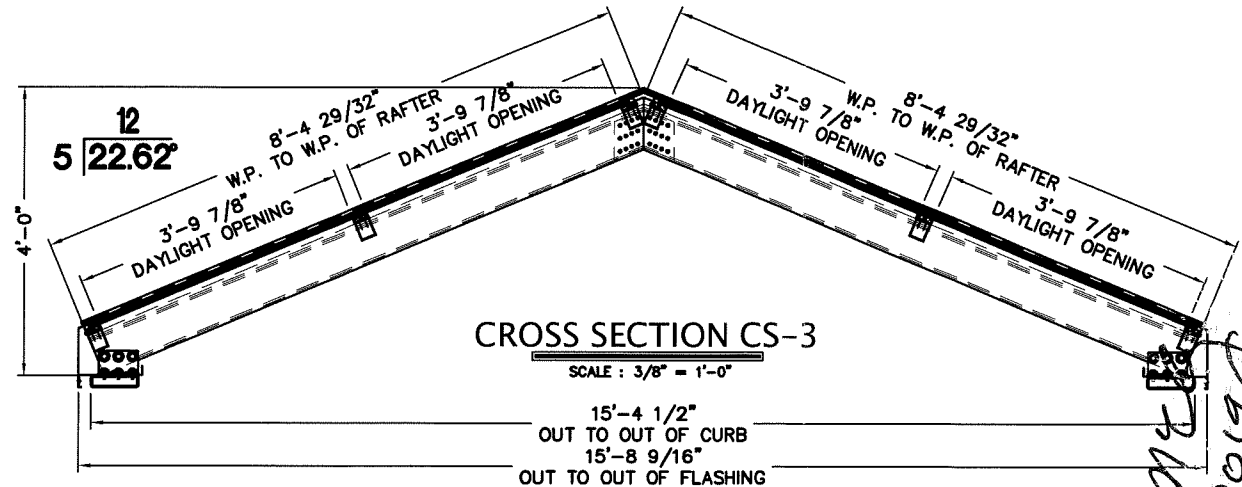
NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.



CROSS SECTION CS-1
SCALE : 3/8" = 1'-0"



CROSS SECTION CS-2
SCALE : 3/8" = 1'-0"



CROSS SECTION CS-3
SCALE : 3/8" = 1'-0"

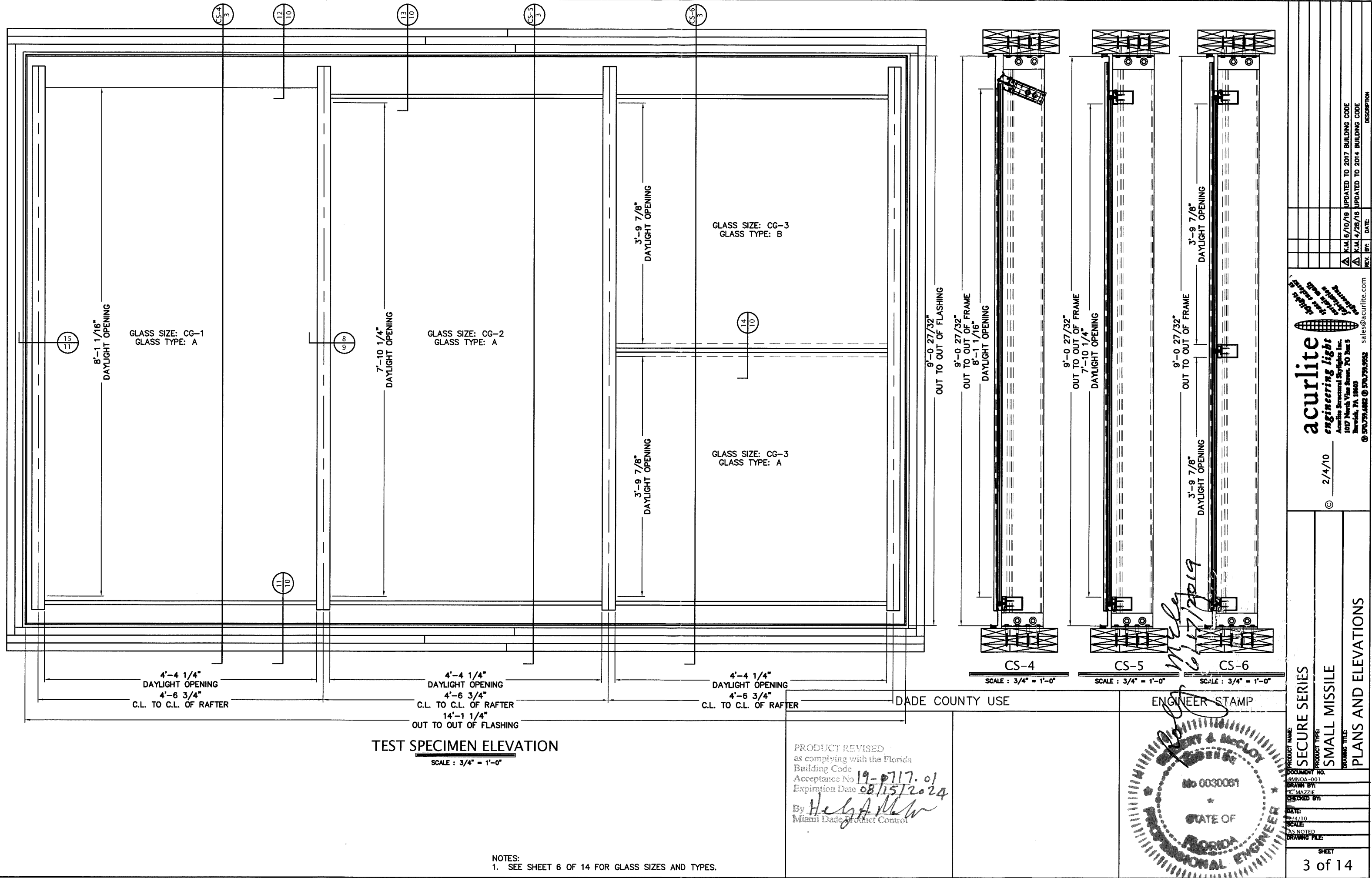
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PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 19-0717.01 Expiration Date 08/15/2024 By: <i>Heidi A. M...</i> Miami Design Product Control		
PRODUCT NAME: SECURE SERIES PRODUCT TYPE: SMALL MISSILE DRAWING TITLE: PLANS AND ELEVATIONS		DATE: 2/4/10 SCALE: AS NOTED DRAWING FILE:
SHEET 2 of 14		

REV.	BY	DATE	DESCRIPTION
1	K.M.	6/10/19	UPDATED TO 2017 BUILDING CODE
2	K.M.	4/28/16	UPDATED TO 2014 BUILDING CODE

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2/4/10



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REVISIONS

REV.	BY	DATE	DESCRIPTION
Δ	K.M.	6/10/19	UPDATED TO 2017 BUILDING CODE
Δ	K.M.	4/28/16	UPDATED TO 2014 BUILDING CODE

PRODUCT NAME

SECURE SERIES

PRODUCT TYPE

SMALL MISSILE

DRAWING TITLE

PLANS AND ELEVATIONS

PRODUCT NAME

SECURE SERIES

DOCUMENT NO.

SMNOA-001

DRAWN BY:

K. MAZZIE

CHECKED BY:

DATE

2/4/10

SCALE

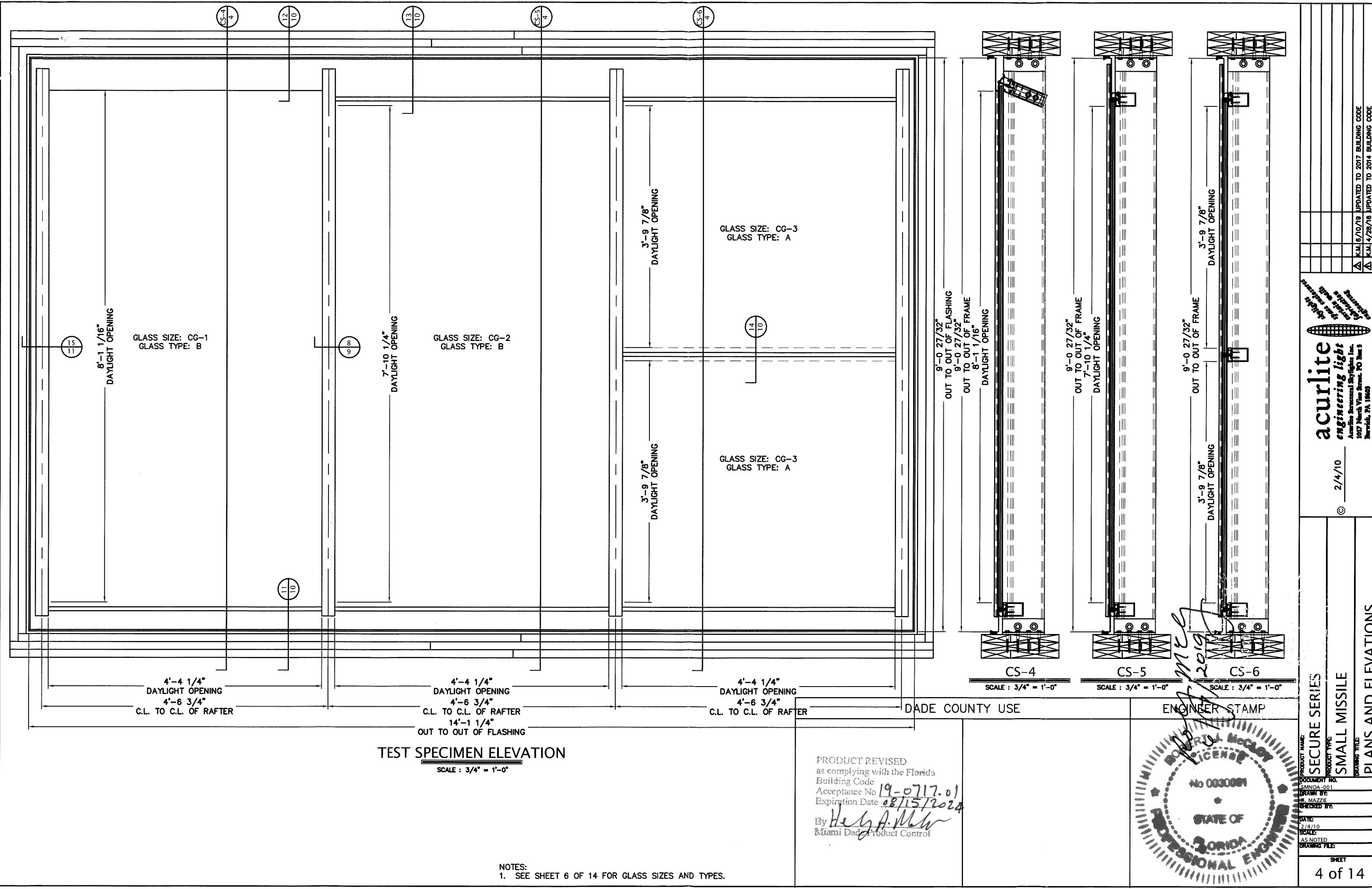
AS NOTED

DRAWING FILE:

SHEET

3 of 14

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 19-0717.01
Expiration Date 08/15/2024
By *Heba Maw*
Miami Dade Product Control



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2/4/10

SECURE SERIES

SMALL MISSILE

PLANS AND ELEVATIONS

PRODUCT NAME: SECURE SERIES

PRODUCT TYPE: SMALL MISSILE

DOCUMENT NO: SMNOA-001

DRAWN BY: MR. MAZZIE

CHECKED BY:

DATE: 2/4/10

SCALE: AS NOTED

DRAWING FILE:

SHEET: 4 of 14

REVISIONS

REV. BY. DATE DESCRIPTION

Δ

K.M.

6/10/19

UPDATED TO 2017 BUILDING CODE

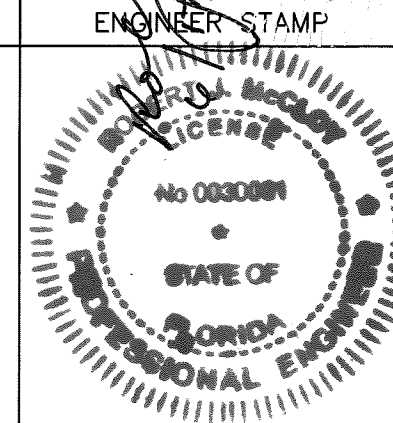
Δ

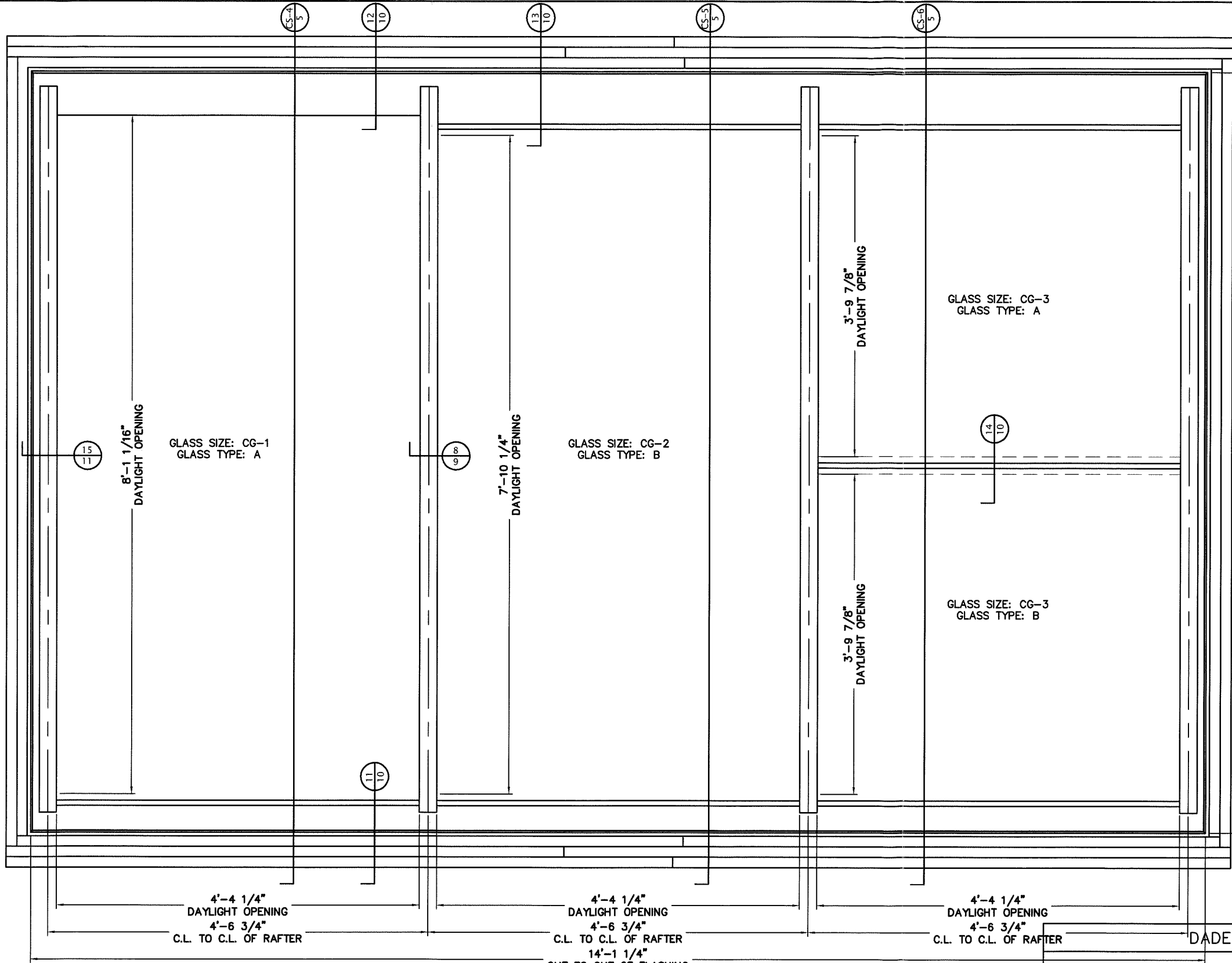
K.M.

4/28/16

UPDATED TO 2014 BUILDING CODE

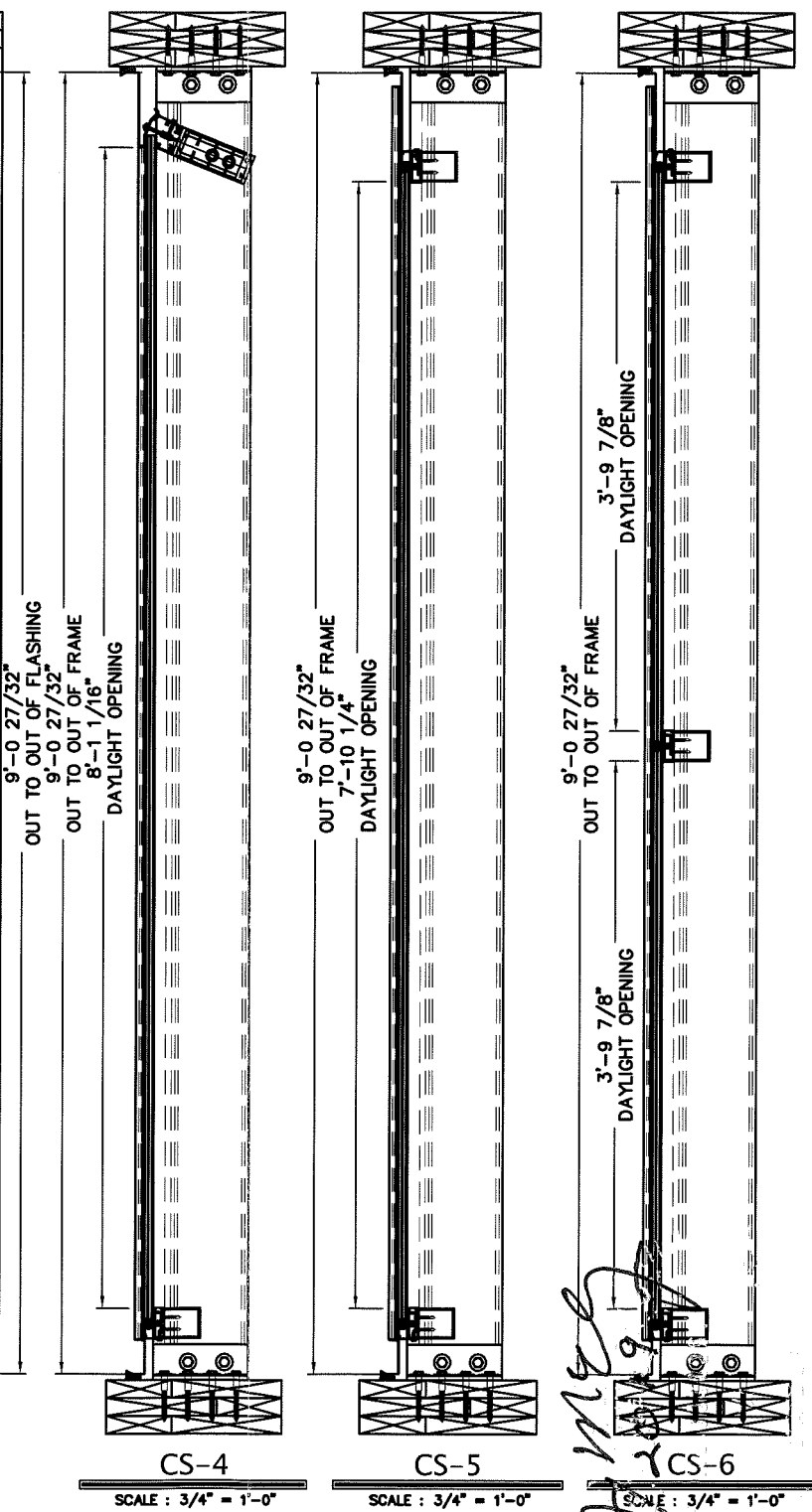
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 19-0717.01
Expiration Date 08/15/2024
By *Heidi A. Mohr*
Miami Dade Product Control



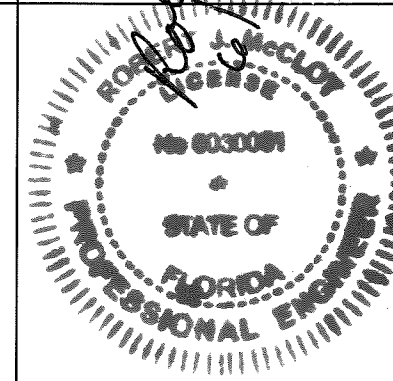


TEST SPECIMEN ELEVATION
SCALE : 3/4" = 1'-0"

NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

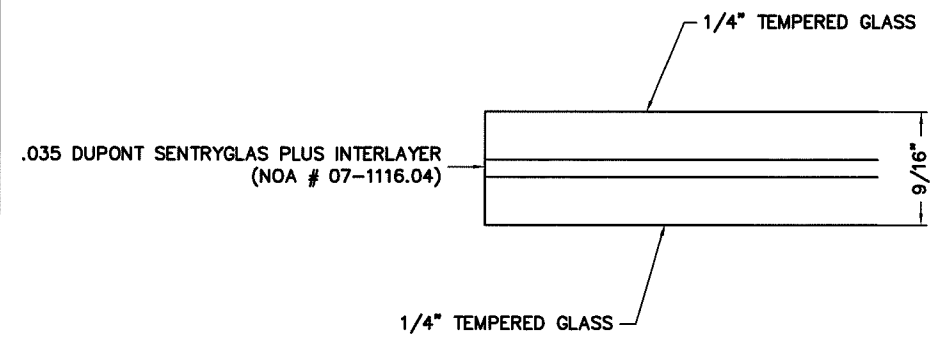
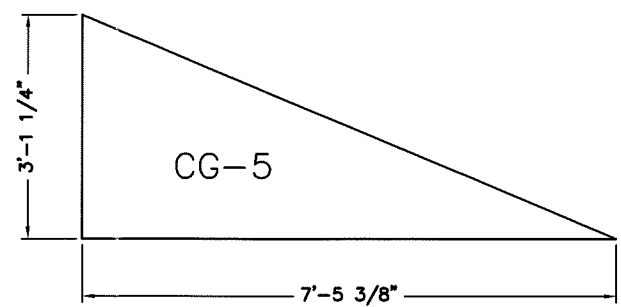
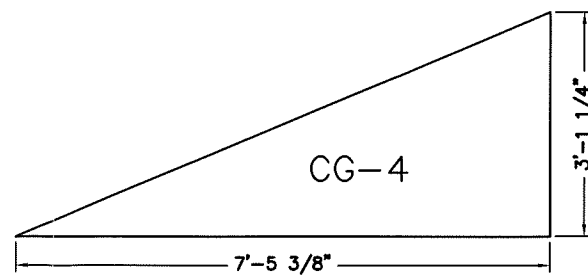


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 19-p717.01
Expiration Date 08/15/2024
By *H. A. Mazzie*
Miami Dade Product Control

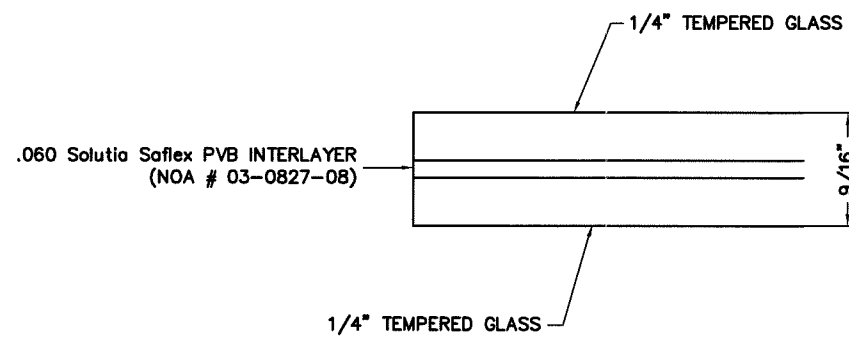


acurlite engineering light		2/4/10		©	
Acurlite Structural Skylights Inc. 1017 North Yule Street, PO Box 5 Barrick, PA 18605 © 570.799.4882 © 570.799.9532 sales@acurlite.com		REV.		DATE	DESCRIPTION
PRODUCT NAME: SECURE SERIES		PRODUCT TYPE: SMALL MISSILE		DRAWING TITLE: PLANS AND ELEVATIONS	
DOCUMENT NO. SMNOA-001		DRAWN BY: K. MAZZIE		CHECKED BY:	
DATE: 2/4/10		SCALE: AS NOTED		DRAWING FILE:	
SHEET		5 of 14			

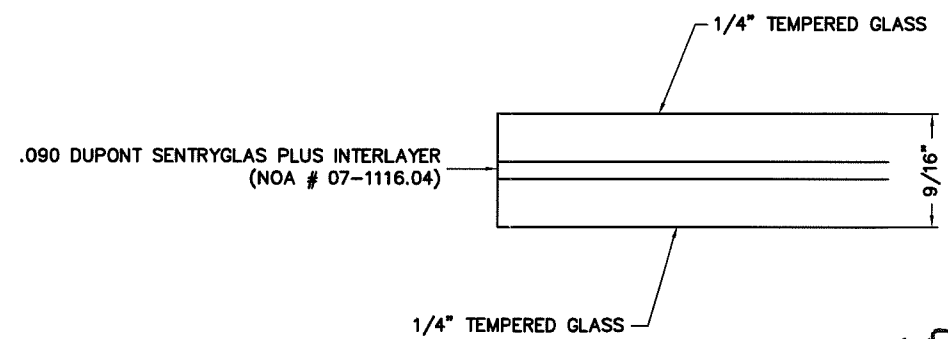
	SIZE
CG-1	54 x 99
CG-2	54 x 96
CG-3	54 x 49 5/8
CG-4	SEE PATTERN
CG-5	SEE PATTERN



GLASS TYPE A
APPROVED FOR SMALL MISSILE IMPACT



GLASS TYPE B
APPROVED FOR SMALL MISSILE IMPACT



GLASS TYPE C
APPROVED FOR SMALL MISSILE IMPACT
(ALSO APPROVED FOR LARGE MISSILE IMPACT)
(UNDER SEPARATE NOA)

NOTES:
1. SEE SHEET 2,3,4 AND 5 OF 12 FOR LOCATIONS OF GLASS SIZES AND TYPES.

DADE COUNTY USE

ENGINEER STAMP

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 19-0717.01
Expiration Date 08/15/2024
By *H. G. A. M. Jr.*
Miami Dade Product Control

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 0030091

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engineering light

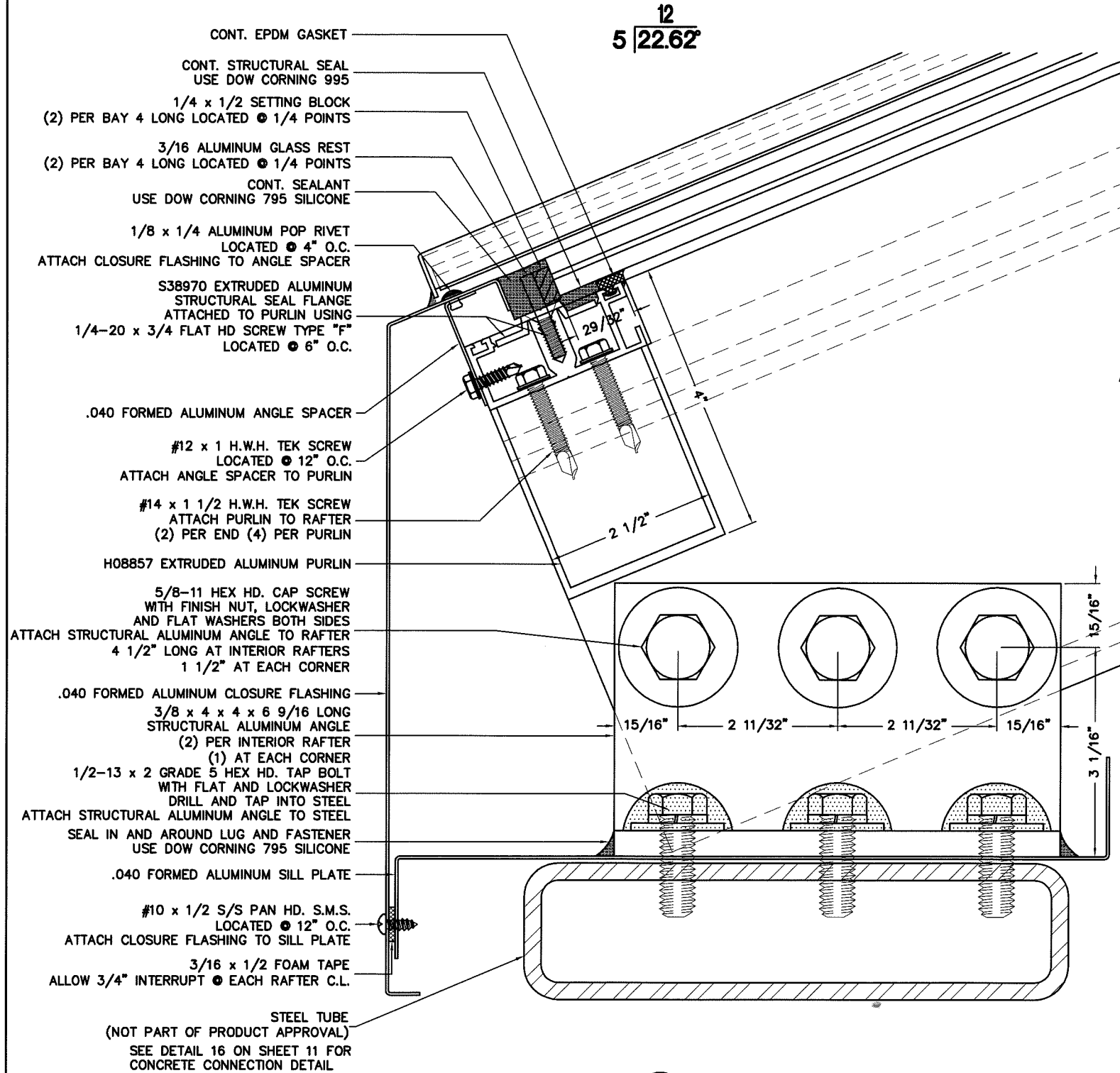
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2/4/10

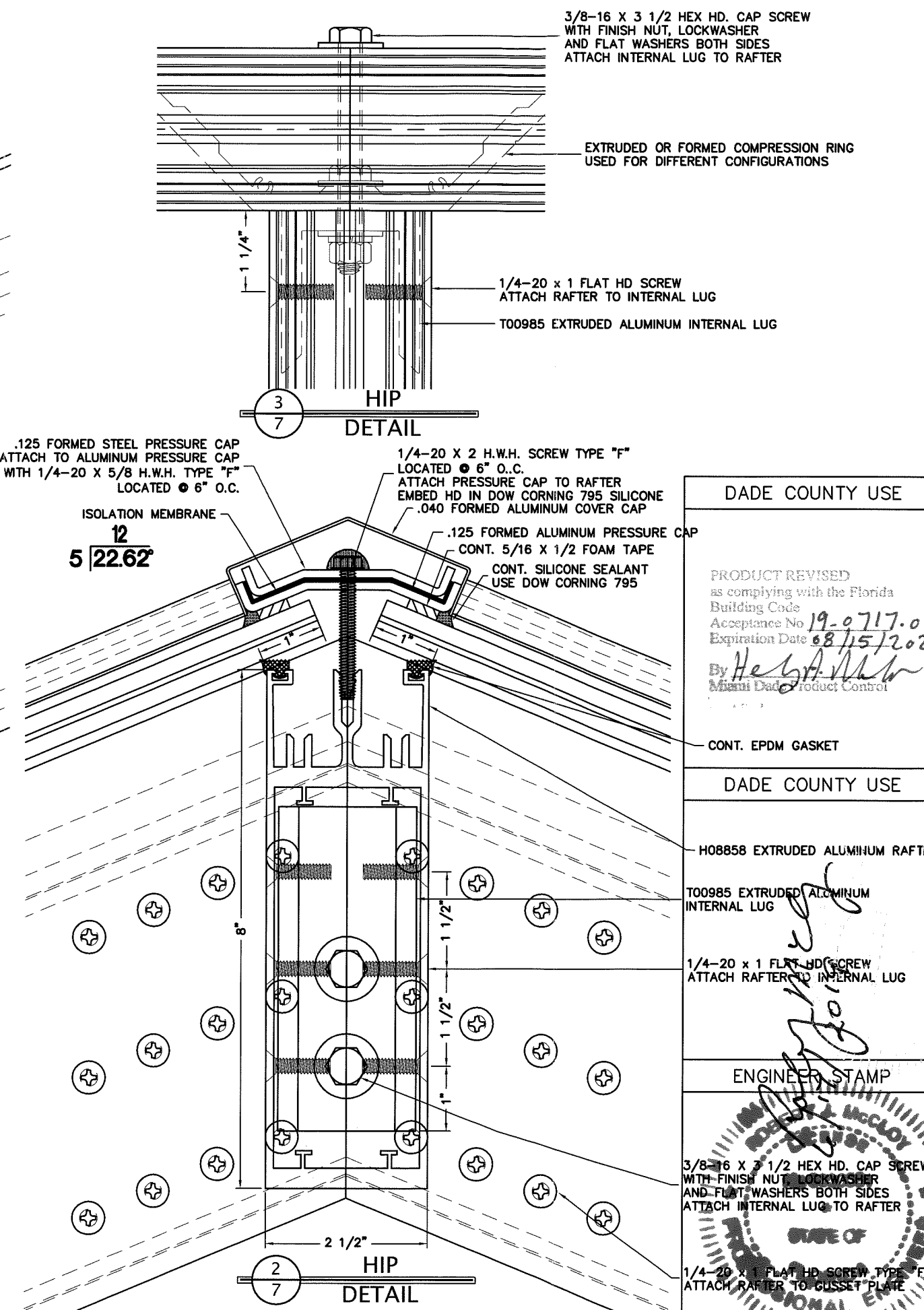
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PRODUCT TYPE: SMALL MISSILE
DRAWING TITLE: GLAZING

DATE: 2/4/10
SCALE: NONE
DRAWING FILE: SHEET 6 of 14

REV. BY: DATE DESCRIPTION
K.M. 6/10/19 UPDATED TO 2017 BUILDING CODE
K.M. 4/28/16 UPDATED TO 2014 BUILDING CODE



1
7 SILL
DETAIL



2
7 HIP
DETAIL

NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

DADE COUNTY USE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 19-0717-01
Expiration Date 08/15/2024
By *Heidi A. Miller*
Miami Dade Product Control

DADE COUNTY USE

H08858 EXTRUDED ALUMINUM RAFTER

T00985 EXTRUDED ALUMINUM INTERNAL LUG

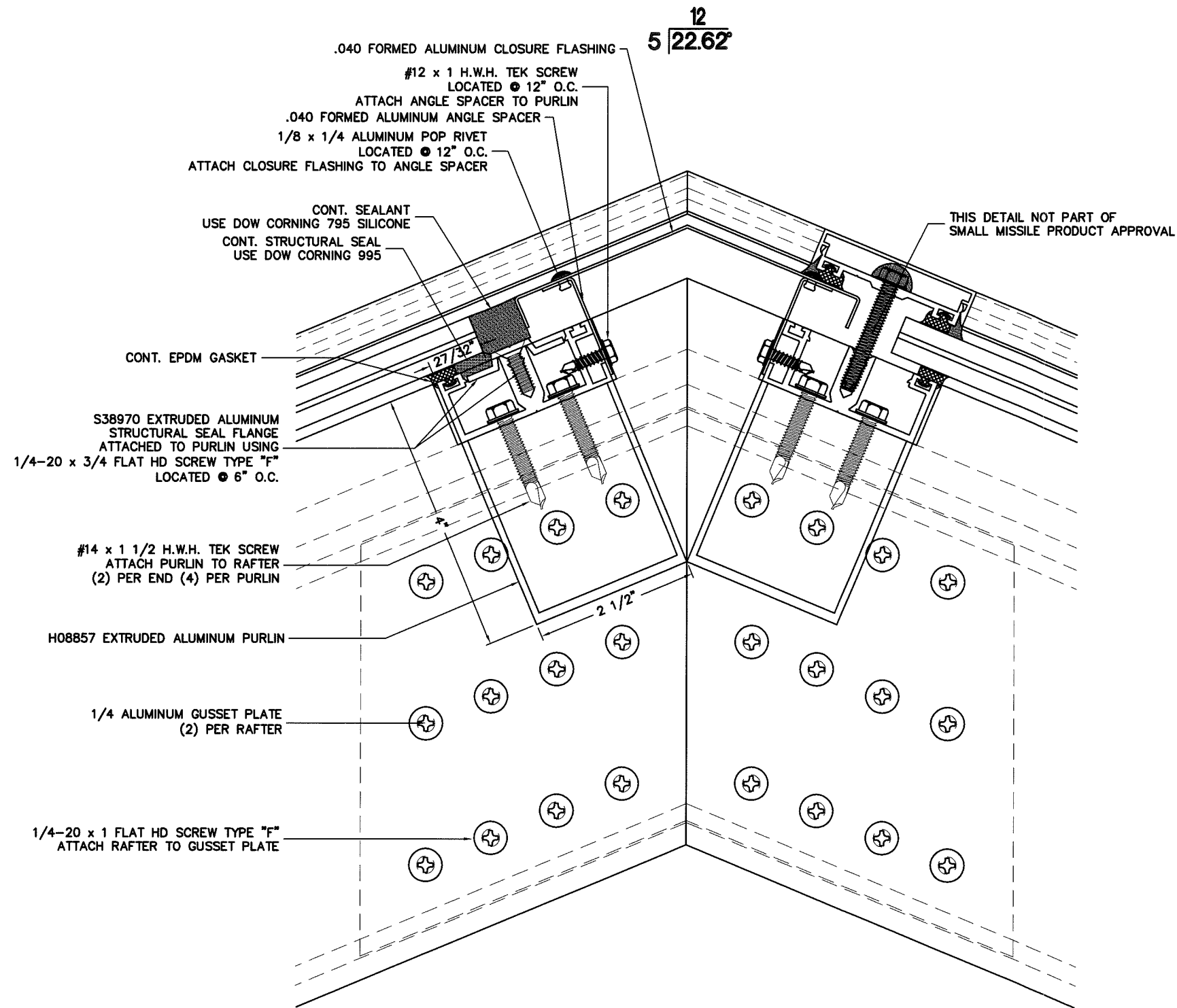
1/4-20 x 1 FLAT HD SCREW ATTACH RAFTER TO INTERNAL LUG

ENGINEER STAMP

3/8-16 x 3 1/2 HEX HD. CAP SCREW WITH FINISH NUT, LOCKWASHER AND FLAT WASHERS BOTH SIDES ATTACH INTERNAL LUG TO RAFTER

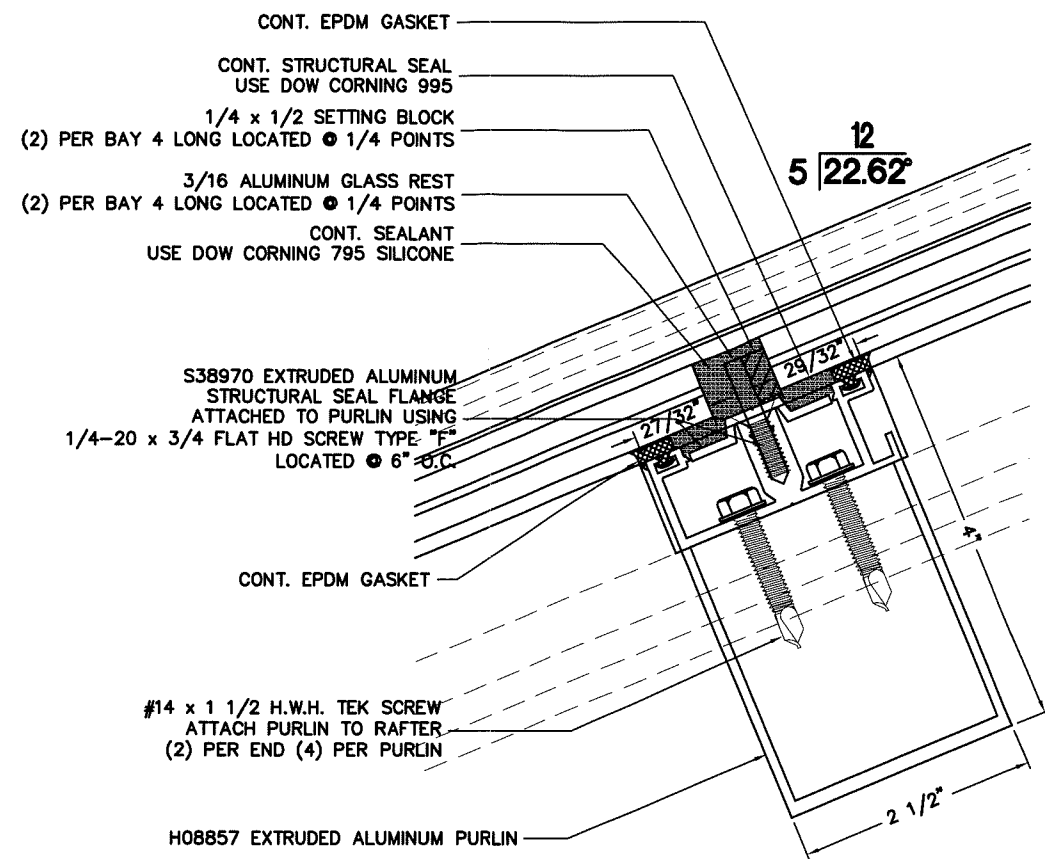
1/4-20 x 1 FLAT HD SCREW TYPE "F" ATTACH RAFTER TO GUSSET PLATE

		2/4/10 ©	
PRODUCT NAME: SECURE SERIES PRODUCT TYPE: SMALL MISSILE DRAWING TITLE: DETAILS		DATE: 2/4/10 SCALE: HALF DRAWING FILE:	
DOCUMENT NO. SMOA-001 DRAWN BY: K. MAZZIE CHECKED BY:		SHEET 7 of 14	
Acurlite Structural Skylights Inc. 107 North Yon Street, PO Box 5 Newark, PA 19803 © 570.799.4882 © 570.799.9532 sales@acurlite.com		REV. 171 DATE DESCRIPTION K.M. 6/10/19 UPDATED TO 2017 BUILDING CODE K.M. 4/28/18 UPDATED TO 2014 BUILDING CODE	



4
8
RIDGE/KNEE
DETAIL

NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.



5
8
HORIZONTAL
DETAIL

DADE COUNTY USE		ENGINEER STAMP	PRODUCT NAME: SECURE SERIES PRODUCT TYPE: SMALL MISSILE DOCUMENT NO: SMNOA-001 DRAWN BY: R. MAZZIE CHECKED BY: [Signature] DATE: 2/4/10 SCALE: HALF DRAWING FILE: [Blank] SHEET: 8 of 14
PRODUCT REVISED as complying with the Florida Building Code Acceptance No: 19-0717-01 Expiration Date: 08/15/2024 By: [Signature] Miami Dade Product Control		[Professional Engineer Stamp: No. 023009, STATE OF FLORIDA, PROFESSIONAL ENGINEER]	

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engineering light

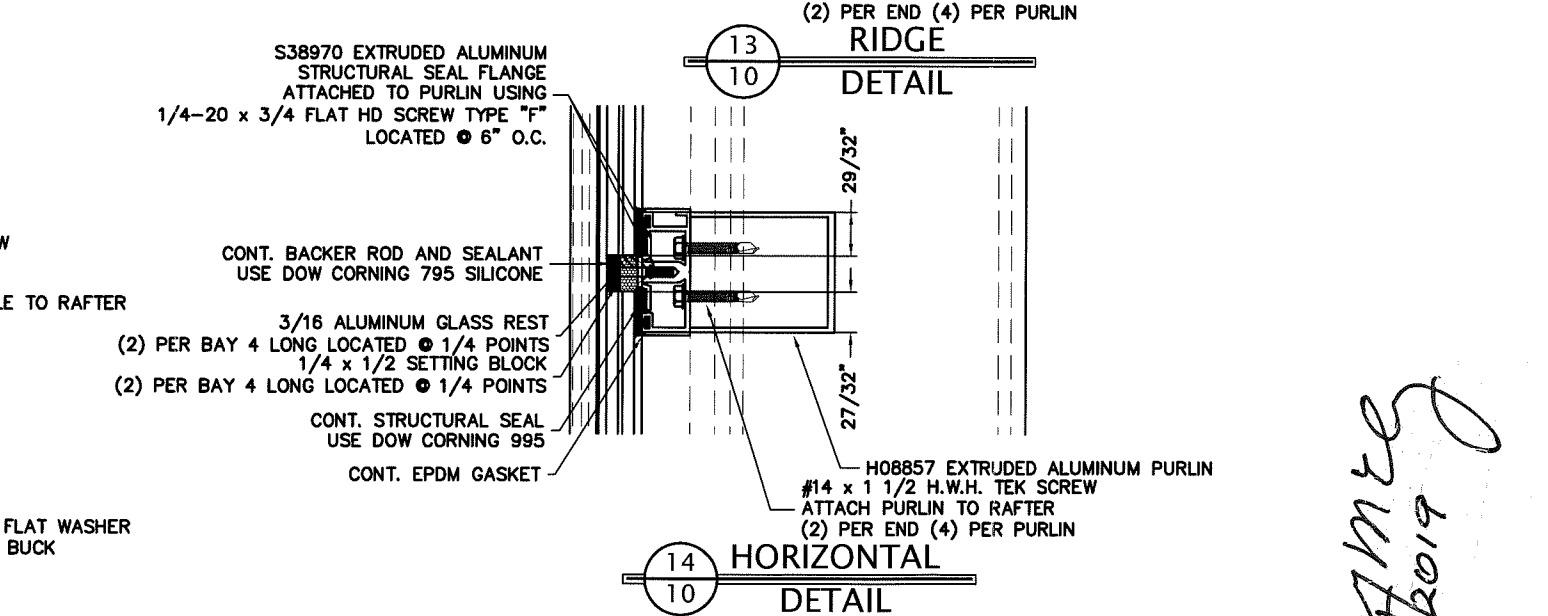
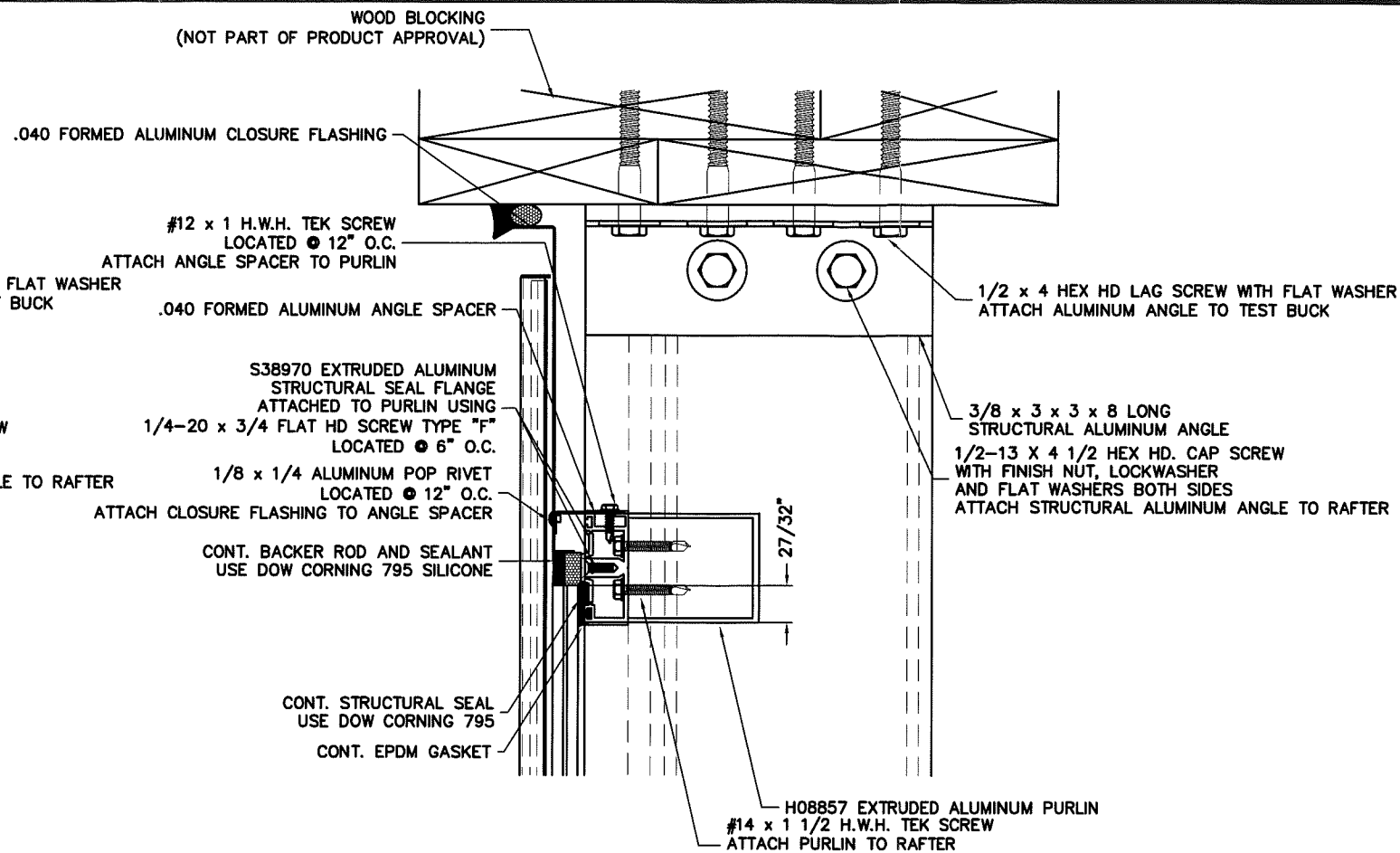
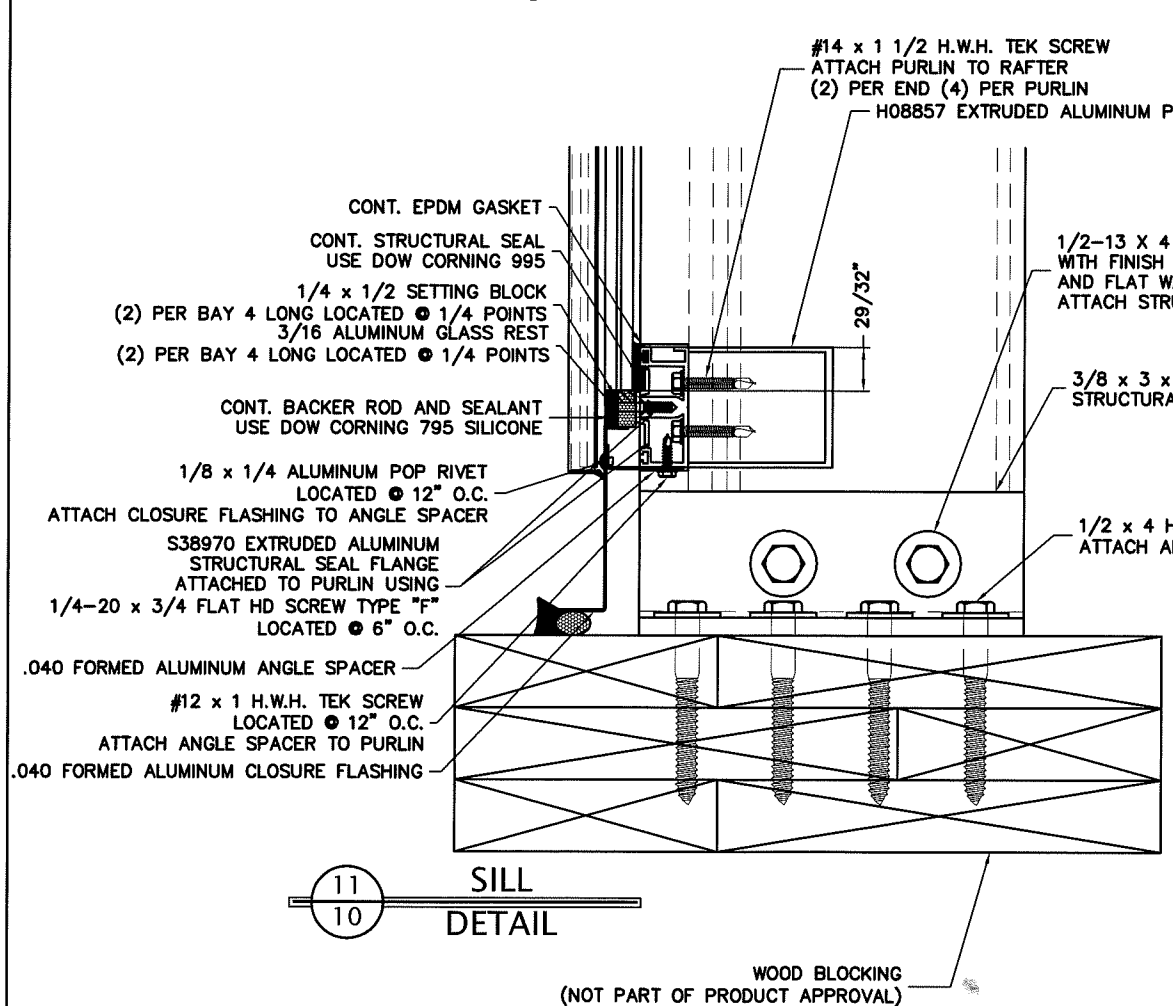
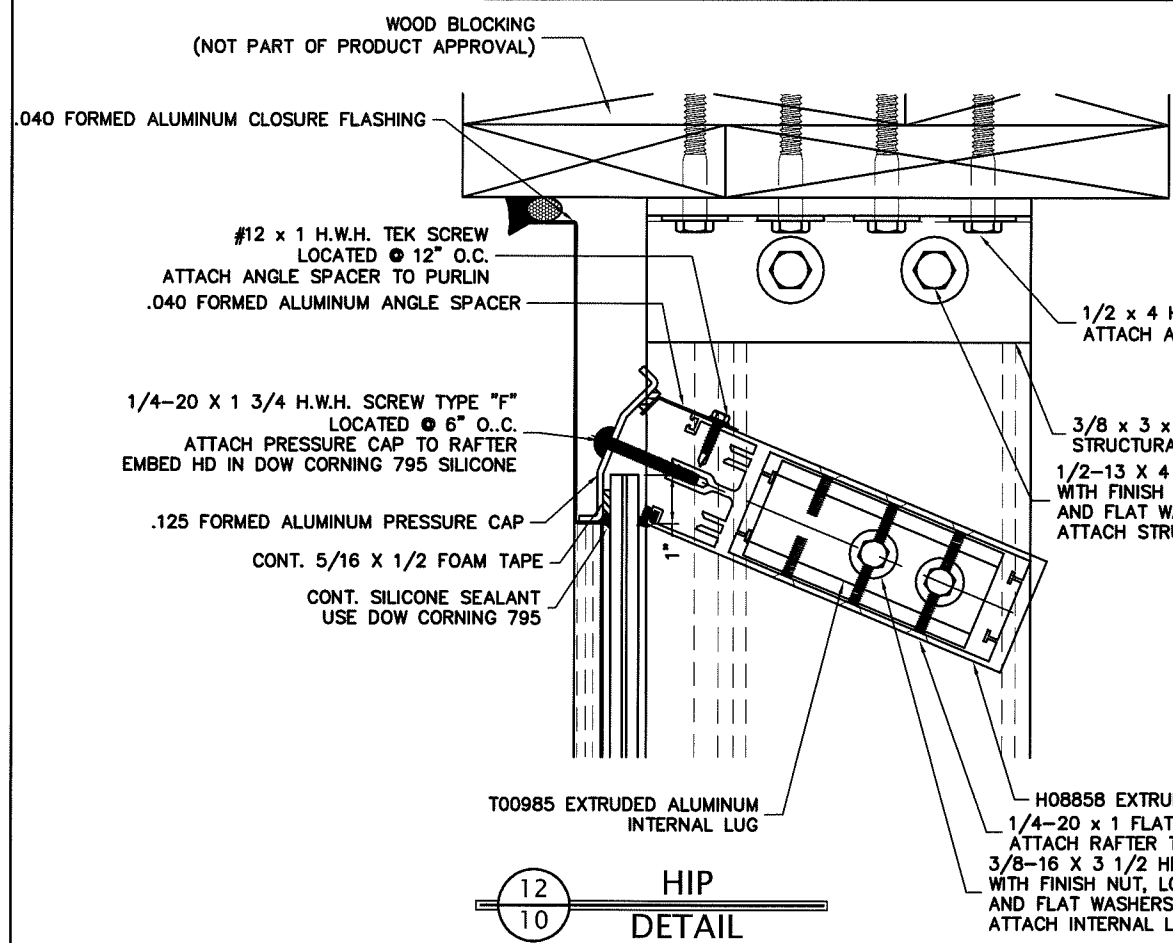
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2/4/10

REV. BY: DATE DESCRIPTION

Δ K.M. 6/10/19 UPDATED TO 2017 BUILDING CODE

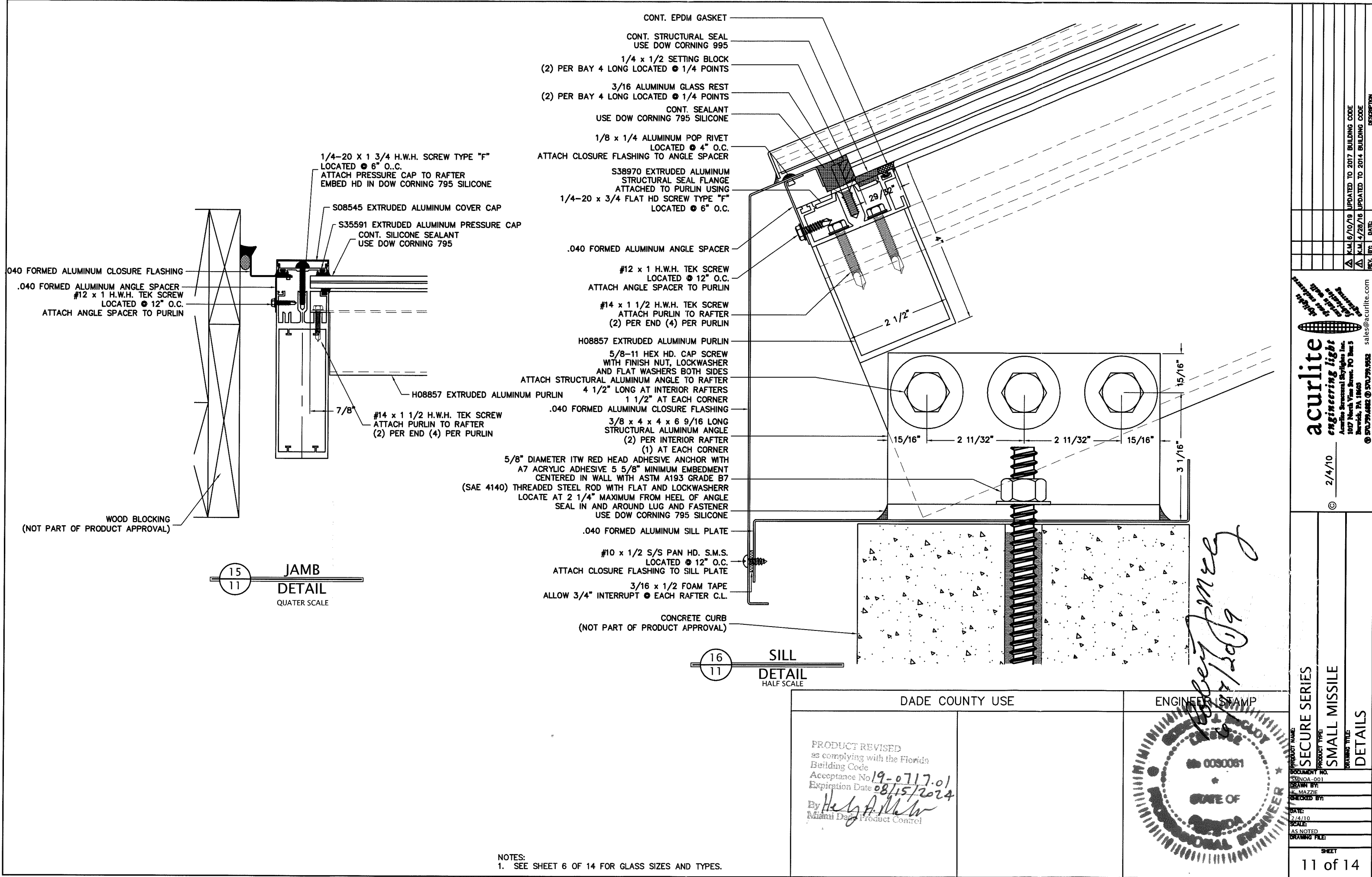
Δ K.M. 4/28/16 UPDATED TO 2014 BUILDING CODE



NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

DADE COUNTY USE		ENGINEER STAMP	
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 19-0717.01 Expiration Date 08/15/2024 By <i>Heather M. Mazzie</i> Miami Dade Product Control		No 0030081 STATE OF FLORIDA PROFESSIONAL ENGINEER	
PRODUCT NAME: SECURE SERIES PRODUCT TYPE: SMALL MISSILE DRAWN BY: K. MAZZIE CHECKED BY:		DATE: 2/4/10 SCALE: QUARTER DRAWING FILE:	
SHEET 10 of 14		DETAILS	

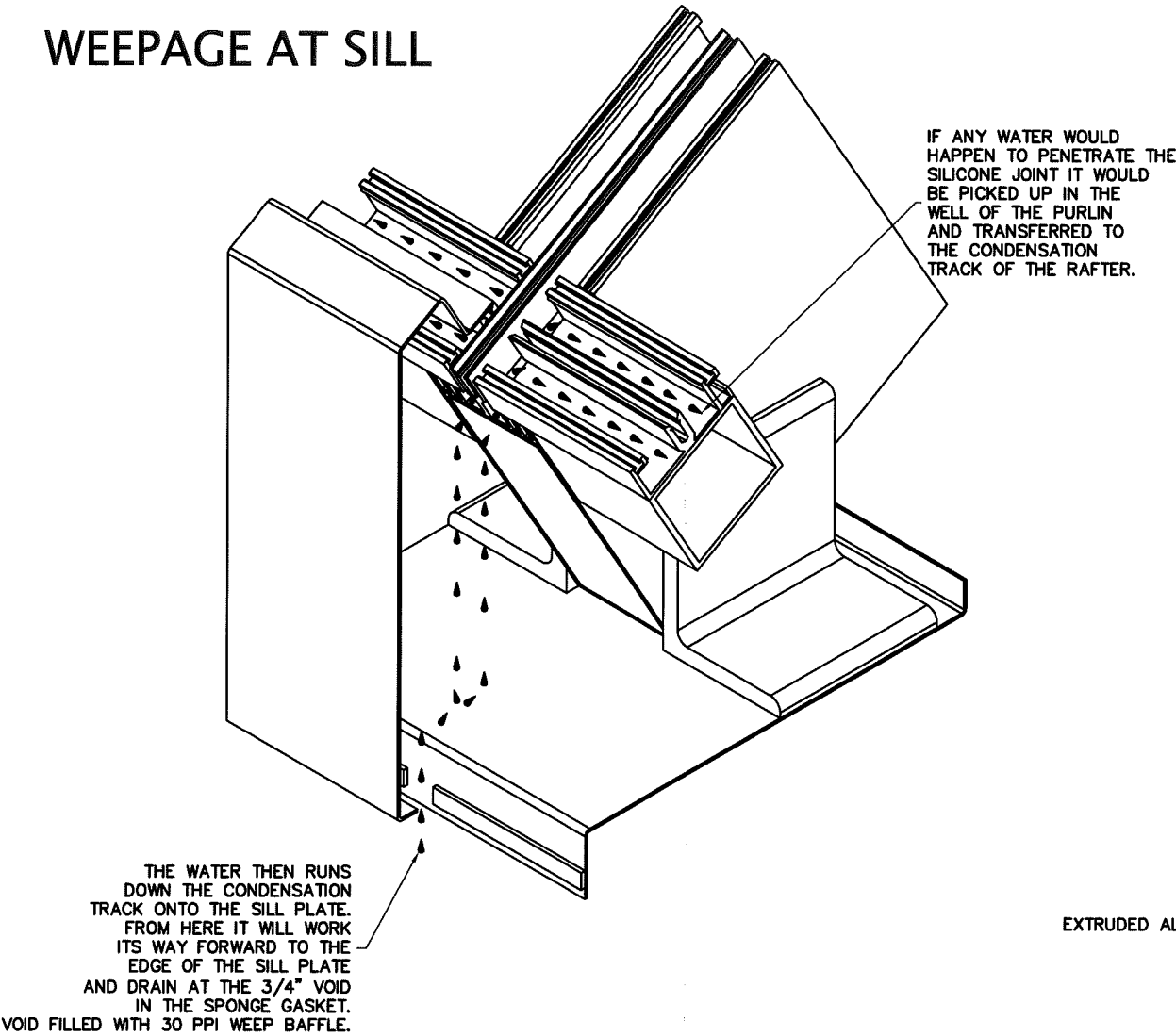
acurlite engineering light Acurlite Structural Skylights Inc. 1017 North Vine Street, PO Box 5 Barrick, PA 15003 © 2010 acurlite.com		2/4/10
REV. DATE 1 K.M. 6/10/19 UPDATED TO 2017 BUILDING CODE 2 K.M. 4/28/16 UPDATED TO 2014 BUILDING CODE 3 K.M. 4/28/16		10 of 14



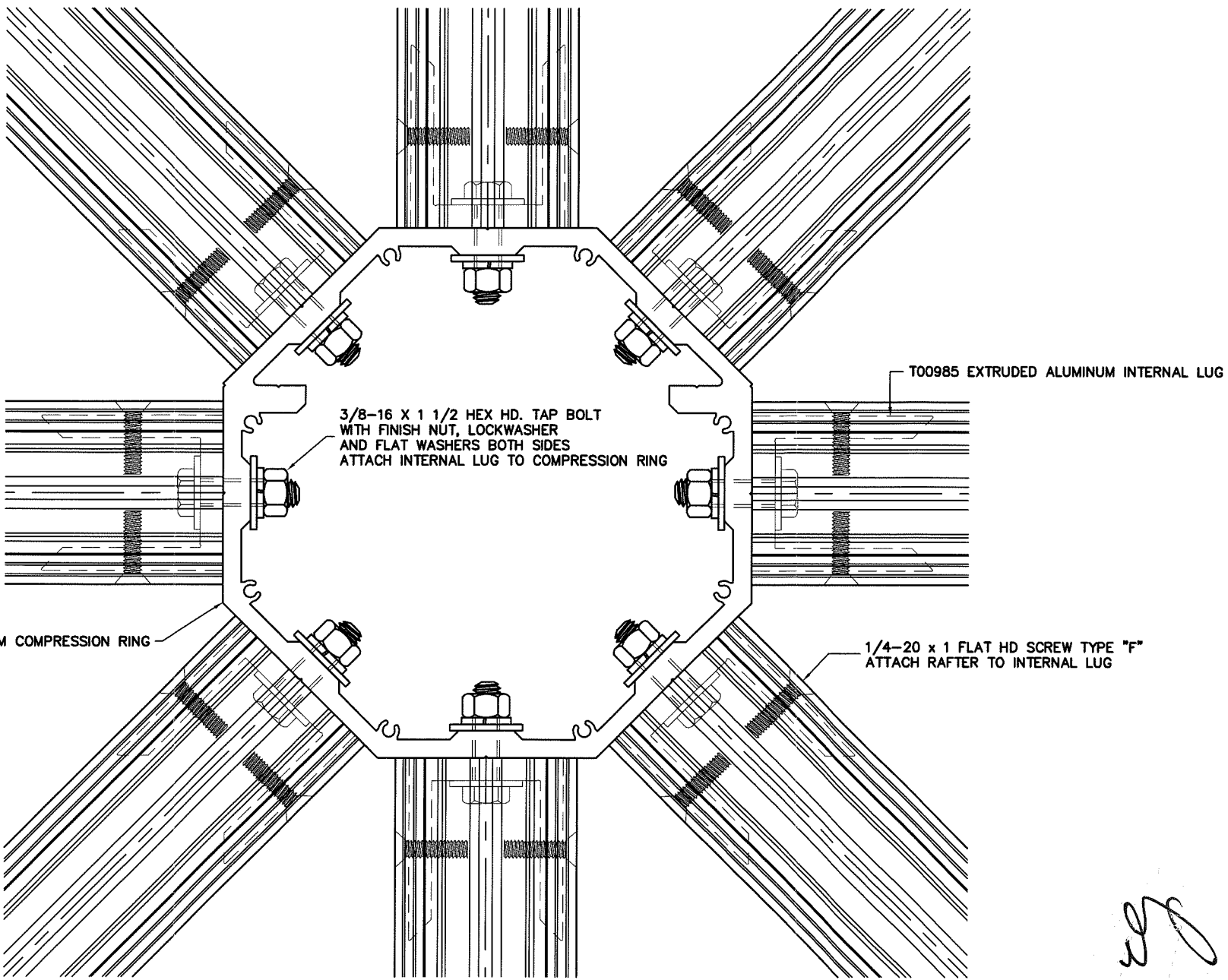
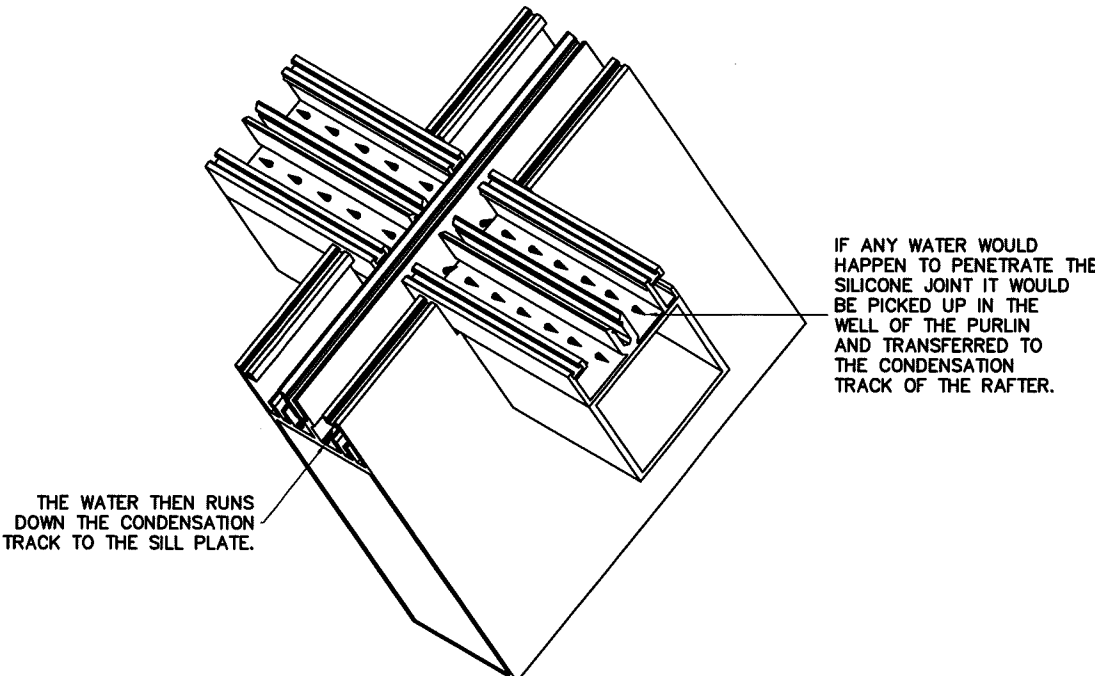
NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

PROJECT NAME	SECURE SERIES
DOCUMENT NO.	SMNOA-001
DRAWN BY:	K. MAZZIE
CHECKED BY:	
DATE:	2/14/10
SCALE:	AS NOTED
DRAWING FILE:	
SHEET	11 of 14
REV.	DATE
1	4/28/16
2	5/10/19
3	6/10/19
4	6/10/19
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100	6/10/19

WEEPAGE AT SILL



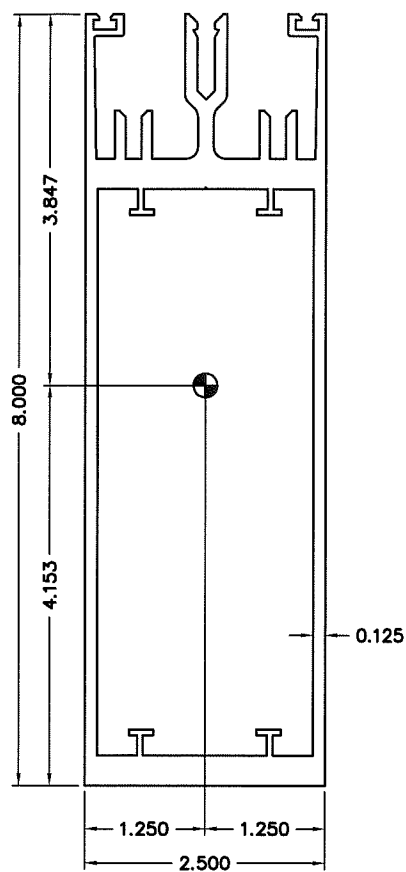
WEEPAGE AT INTERMEDIATE



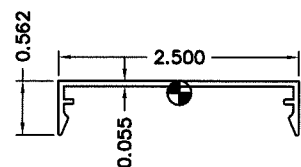
16 COMP. RING
12 DETAIL

NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

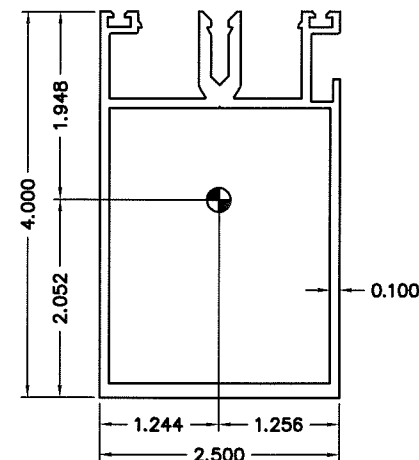
DADE COUNTY USE		ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 19-p717.01 Expiration Date 08/15/2024 By <i>H. G. A. Mazzie</i> Miami Dade Product Control		SECURE SERIES SMALL MISSILE DETAILS DATE: 2/4/10 SCALE: HALF DRAWING FILE: 12 of 14



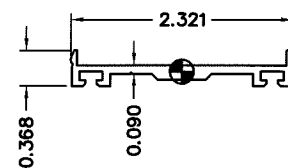
Area: 4.0777
 Perimeter: 54.9115
 Bounding box: X: -1.2500 -- 1.2500
 Y: -4.1528 -- 3.8472
 Moments of inertia: X: 31.3863
 Y: 3.5664
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 2.7743
 Y: 0.9352
 Principal moments and X-Y directions about centroid:
 I: 3.5664 along [0.0000 1.0000]
 J: 31.3863 along [-1.0000 0.0000]
 Weight per lineal foot: 4.77 lbs.
 Aluminum Alloy: 6063-T6



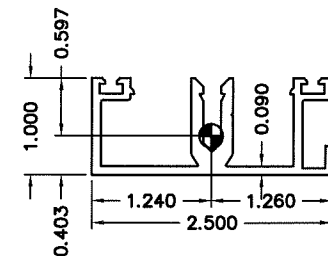
Area: 0.2110
 Perimeter: 7.5289
 Bounding box: X: -1.2500 -- 1.2500
 Y: -0.4392 -- 0.1228
 Moments of inertia: X: 0.0049
 Y: 0.1783
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.1527
 Y: 0.9191
 Principal moments and X-Y directions about centroid:
 I: 0.0049 along [1.0000 0.0000]
 J: 0.1783 along [0.0000 1.0000]
 Weight per lineal foot: 0.25 lbs.
 Aluminum Alloy: 6063-T6



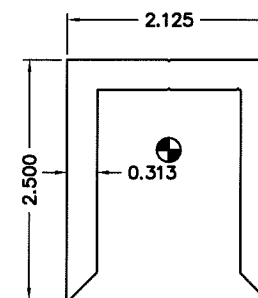
Area: 1.6983
 Perimeter: 31.2602
 Bounding box: X: -1.2438 -- 1.2562
 Y: -2.0520 -- 1.9480
 Moments of inertia: X: 3.4266
 Y: 1.4491
 Product of inertia: XY: -0.0162
 Radii of gyration: X: 1.4204
 Y: 0.9237
 Principal moments and X-Y directions about centroid:
 I: 1.4489 along [0.0082 -1.0000]
 J: 3.4267 along [1.0000 0.0082]
 Weight per lineal foot: 1.99 lbs.
 Aluminum Alloy: 6063-T6



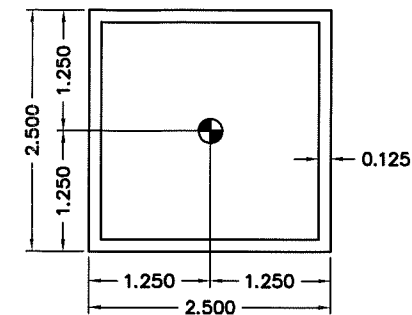
Area: 0.2955
 Perimeter: 6.9688
 Bounding box: X: -1.1634 -- 1.1626
 Y: -0.1489 -- 0.2190
 Moments of inertia: X: 0.0012
 Y: 0.1486
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.0634
 Y: 0.7092
 Principal moments and X-Y directions about centroid:
 I: 0.0012 along [1.0000 0.0000]
 J: 0.1486 along [0.0000 1.0000]
 Weight per lineal foot: 0.354 lbs.
 Aluminum Alloy: 6063-T6



Area: 0.7307
 Perimeter: 15.0209
 Bounding box: X: -1.2403 -- 1.2597
 Y: -0.4032 -- 0.5968
 Moments of inertia: X: 0.0800
 Y: 0.4177
 Product of inertia: XY: -0.0027
 Radii of gyration: X: 0.3309
 Y: 0.7561
 Principal moments and X-Y directions about centroid:
 I: 0.0800 along [1.0000 -0.0080]
 J: 0.4178 along [0.0080 1.0000]
 Weight per lineal foot: 0.86 lbs.
 Aluminum Alloy: 6063-T6



Area: 1.9456
 Perimeter: 13.3068
 Bounding box: X: -1.0624 -- 1.0626
 Y: -1.5635 -- 0.9365
 Moments of inertia: X: 1.0731
 Y: 1.3224
 Product of inertia: XY: -0.0001
 Radii of gyration: X: 0.7427
 Y: 0.8244
 Principal moments and X-Y directions about centroid:
 I: 1.0731 along [1.0000 -0.0004]
 J: 1.3224 along [0.0004 1.0000]
 Weight per lineal foot: 2.335 lbs.
 Aluminum Alloy: 6063-T6



Area: 1.1875
 Perimeter: 19.0000
 Bounding box: X: -1.2500 -- 1.2500
 Y: -1.2500 -- 1.2500
 Moments of inertia: X: 1.1195
 Y: 1.1195
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.9709
 Y: 0.9709
 Principal moments and X-Y directions about centroid:
 I: 1.1195 along [0.7071 -0.7071]
 J: 1.1195 along [0.7071 0.7071]
 Weight per lineal foot: 1.39 lbs.
 Aluminum Alloy: 6063-T6

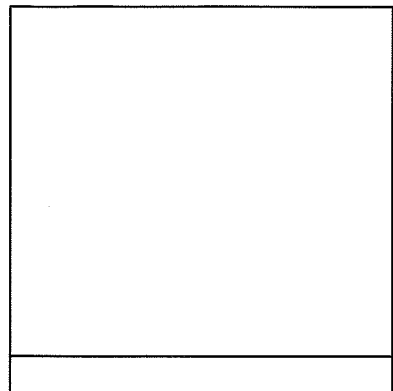


NOTES:
 1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

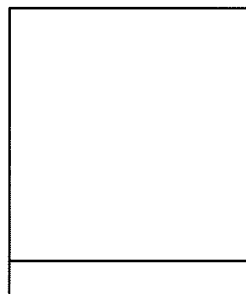
DADE COUNTY USE		ENGINEER'S STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 19-0717-01 Expiration Date 08/15/2024 By <i>Heidi A. Miller</i> Miami Dade Product Control		No 0030001 STATE OF FLORIDA PROFESSIONAL ENGINEER
PRODUCT NAME: SECURE SERIES DRAWING NO: SMVNOA-001 DRAWN BY: K. MAZZIE CHECKED BY:		PRODUCT TYPE: SMALL MISSILE DRAWING TITLE: BILL OF MATERIALS
DATE: 2/4/10 SCALE: HALF DRAWING FILE:		SHEET 13 of 14

acurlite
 engineering light
 Acurlite Structural Skylights Inc.
 1017 North Vine Street, PO Box 5
 Berwick, PA 18603
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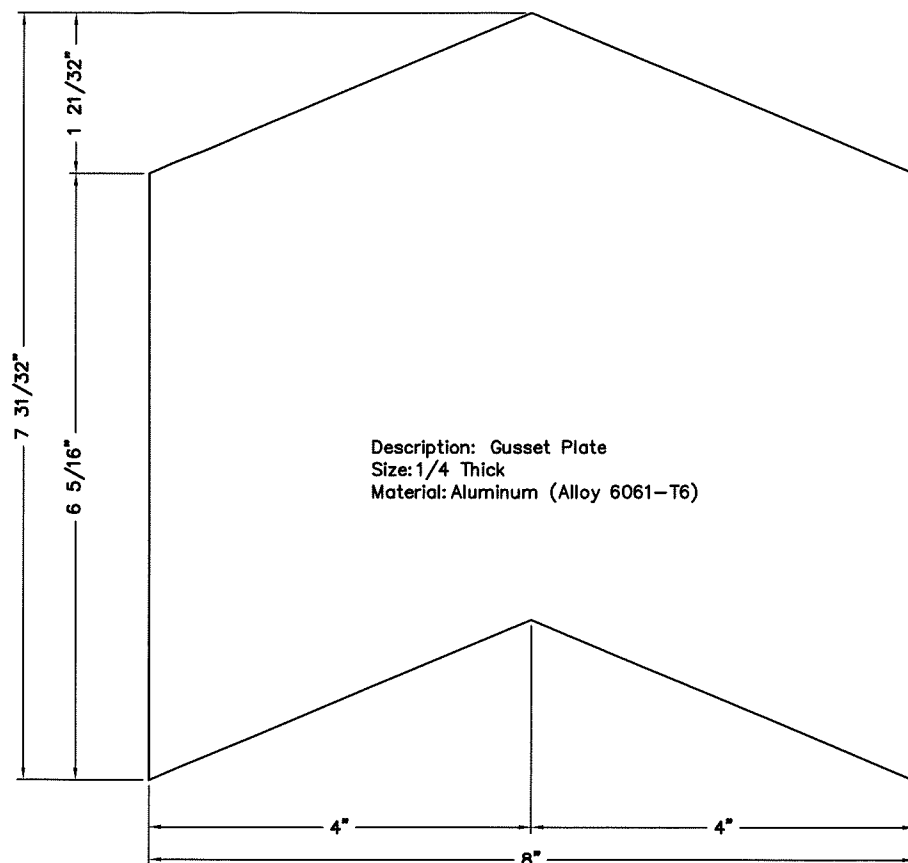
2/4/10



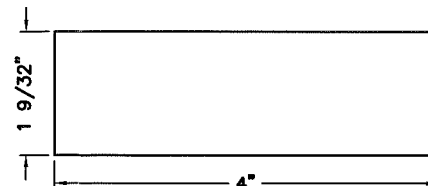
Description: Structural Aluminum Angle
Size: 3/8 x 4 x 4
Material: Aluminum (Alloy 6061-T6)



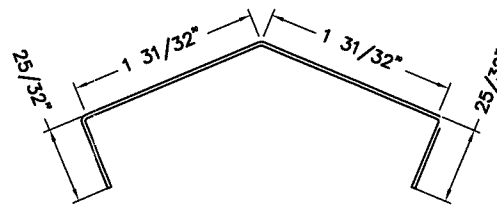
Description: Structural Aluminum Angle
Size: 3/8 x 3 x 3
Material: Aluminum (Alloy 6061-T6)



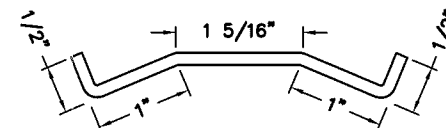
Description: Gusset Plate
Size: 1/4 Thick
Material: Aluminum (Alloy 6061-T6)



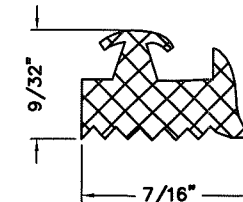
Description: Glass Rest
Size: 3/16 Thick
Material: Aluminum (Alloy 6061-T6)



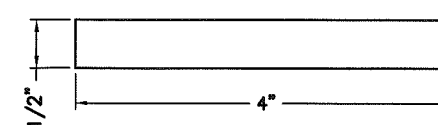
Description: Formed Cover Cap
Size: .040 Thick
Material: Aluminum (Alloy 3003)



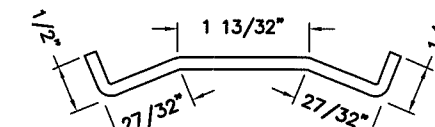
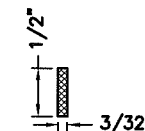
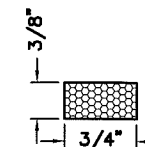
Description: Formed Pressure Cap
Size: .125 Thick
Material: Aluminum (Alloy 3003)



Manufacturer: Elbex
Description: Gasket
Material: EPDM Rubber



Manufacturer: Biltrite
Description: Setting Block
Material: Neoprene



Description: Formed Pressure Cap
Size: .125 Thick
Material: Steel ASTM A36



Description: Pop Rivet
Size: 1/8 x 1/4
Material: Aluminum



Description: Pan Head Sheet Metal Screw (Pan Hd. S.M.S.)
Size: #10 x 1/2
Material: Stainless Steel



Description: Hex Washer Head Tek Screw (H.W.H. Tek Screw)
Size: #12 x 1
Material: SAE Grade 2 Steel



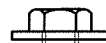
Description: Flat Head Screw Type "F" (F.H.S. Type "F")
Size: 1/4-20 x Varies
Material: SAE Grade 2 Steel



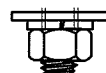
Description: Hex Washer Head Tek Screw (H.W.H. Tek Screw)
Size: #14 x 1 1/2
Material: SAE Grade 2 Steel



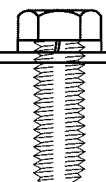
Description: Hex Washer Head Screw Type "F" (H.W.H. Screw Type "F")
Size: 1/4-20 x 1 3/4
Material: SAE Grade 2 Steel



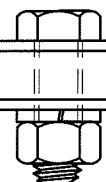
Description: Hex Head Cap Screw with Finish Nut, Flat Washers and Lockwasher
Size: 3/8-16 x 4 1/2
Material: ASTM Grade 2 Steel



Description: Hex Head Tap Bolt with Flat Washer and Lockwasher
Size: 1/2-13 x 2
Material: ASTM A449 Grade 5



Description: Hex Head Tap Bolt with Finish Nut, Flat Washers and Lockwasher
Size: 1/2-13 x 1 1/2
Material: ASTM Grade 2 Steel



Description: Hex Head Cap Screw with Finish Nut, Flat Washers and Lockwasher
Size: 1/2-13 x 4 1/2
Material: SAE Grade 2 Steel

Description: Hex Head Cap Screw with Finish Nut, Flat Washers and Lockwasher
Size: 5/8-11 x 4 1/2
Material: ASTM A307 Steel

NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

DADE COUNTY USE		ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 19-0717.01 Expiration Date 08/15/2024 By <i>He G. P. M. W.</i> Miami Date Product Control		ROBERT J. McCAULEY LICENSE No 0030081 STATE OF FLORIDA PROFESSIONAL ENGINEER
SECURE SERIES		SMALL MISSILE
BILL OF MATERIALS		
DATE: 2/4/10		SCALE: HALF
DRAWING FILE:		SHEET 14 of 14