



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

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 #22-1011.08** 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.**



H. A. Makar
08/22/24

NOA No. 24-0808.01
Expiration Date: 08/15/2029
Approval Date: 08/22/2024

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 EVIDENS SUBMITTED UNDER PREVIOUS APPROVAL # 19-0717.01

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

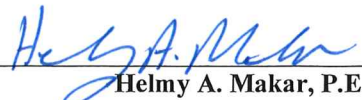
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Die Drawings for Extrusion Members.*


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0808.01
Expiration Date: 08/15/2029
Approval Date: 08/22/2024

Acurlite Structural Skylights, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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.*

3. EVIDENS SUBMITTED UNDER PREVIOUS APPROVAL # 22-1011.08

A. DRAWINGS

1. *None.*

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. *Die Drawings for Extrusion Members.*

F. STATEMENTS

1. *FBC, 2020 Edition Compliance letter issued by Engineered Glazing Systems on 09/28/2021 signed and sealed by Robert J. McCloy, P.E.*

4. NEW EVIDENS SUBMITTED

A. DRAWINGS

1. *None.*

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. *Die Drawings for Extrusion Members.*

F. STATEMENTS

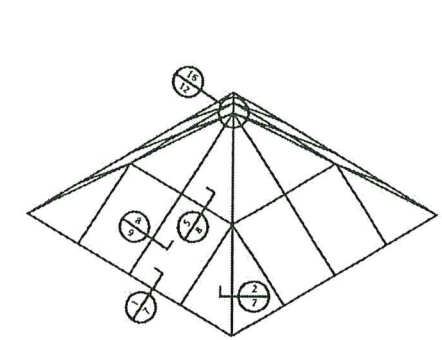
1. *FBC, 2023 Edition Compliance letter issued by Engineered Glazing Systems on 07/01/2024 signed and sealed by Robert J. McCloy, P.E.*



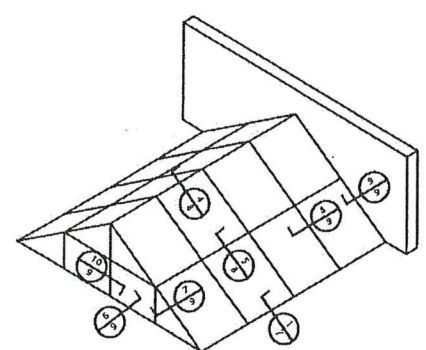
Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0808.01
Expiration Date: 08/15/2029
Approval Date: 08/22/2024

SMALL MISSILE

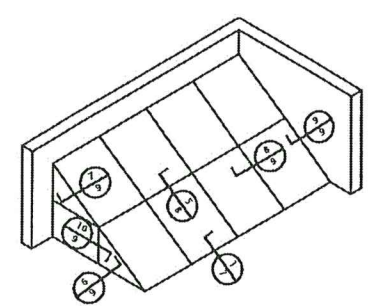
- Notes:
1. The skylight system indicated on these shop drawings has been verified for compliance in accordance with the 2017 Florida Building Code. Maximum design pressure +120psf and -100psf.
 2. The skylight system may be installed in High Velocity Hurricane Zone.
 3. These shop drawings are generic 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.



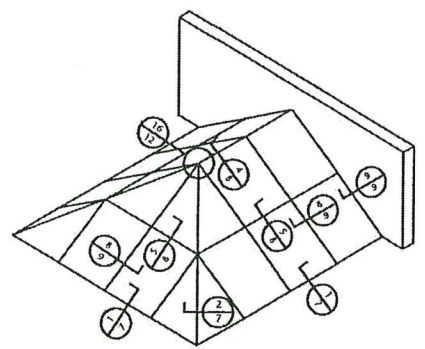
PYRAMID



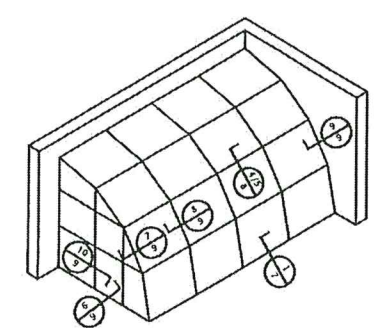
DOUBLE PITCH WITH GABLE



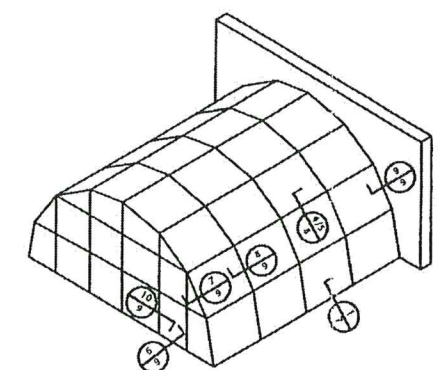
SINGLE PITCH WITH GABLE



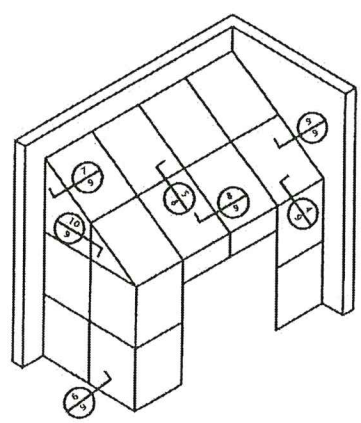
DOUBLE PITCH WITH HIP



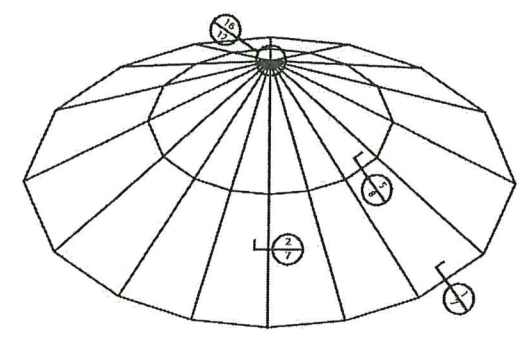
SEGMENTED BARRELL QUATER VAULT WITH GABLE



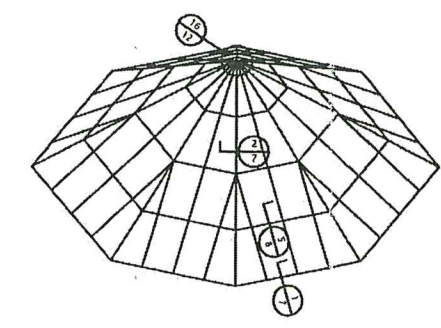
SEGMENTED BARRELL HALF VAULT WITH GABLE



STRAIGHT EAVE LEAN-TO WITH GABLE



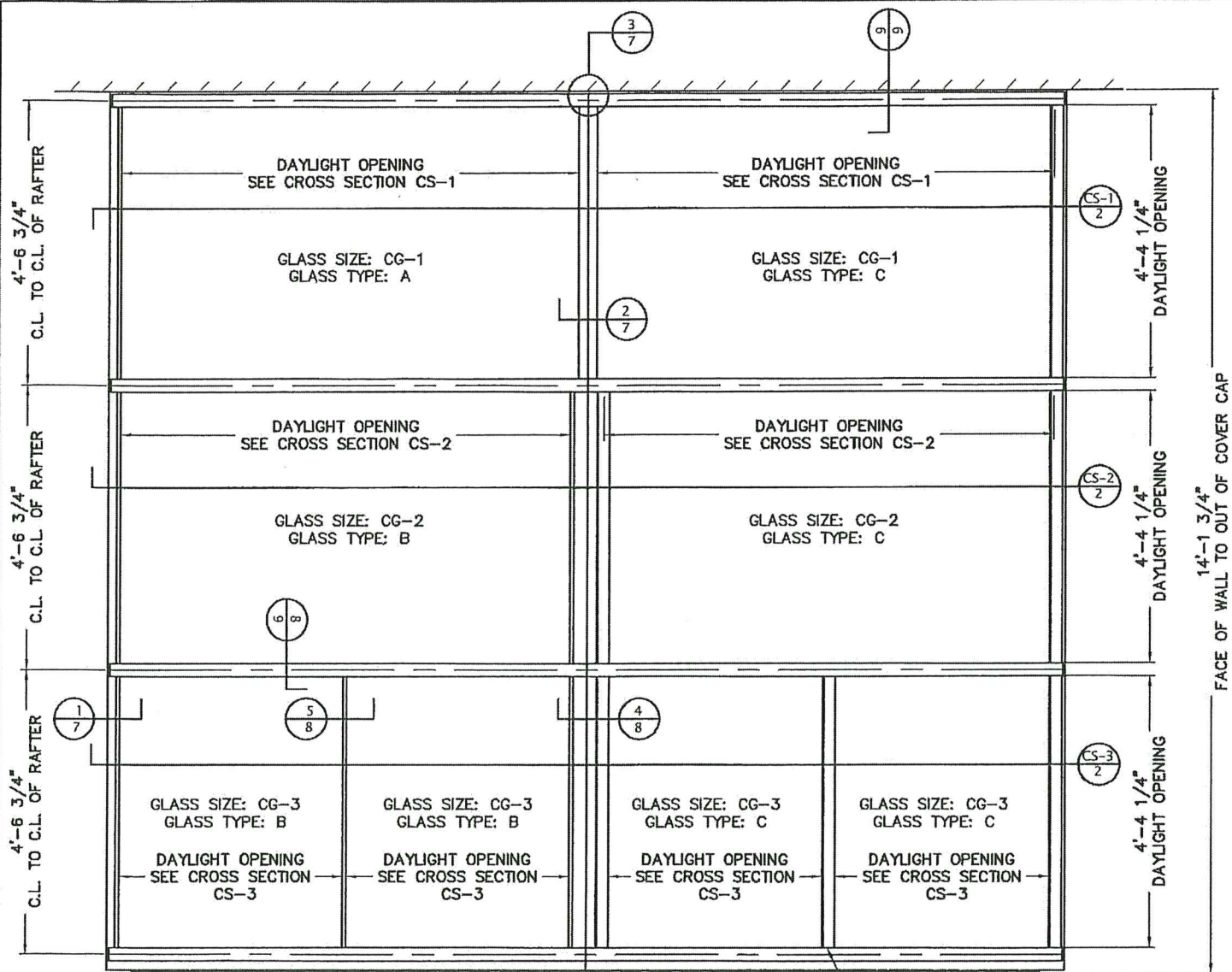
POLYGON



POLYGON WITH JACK RAFTERS

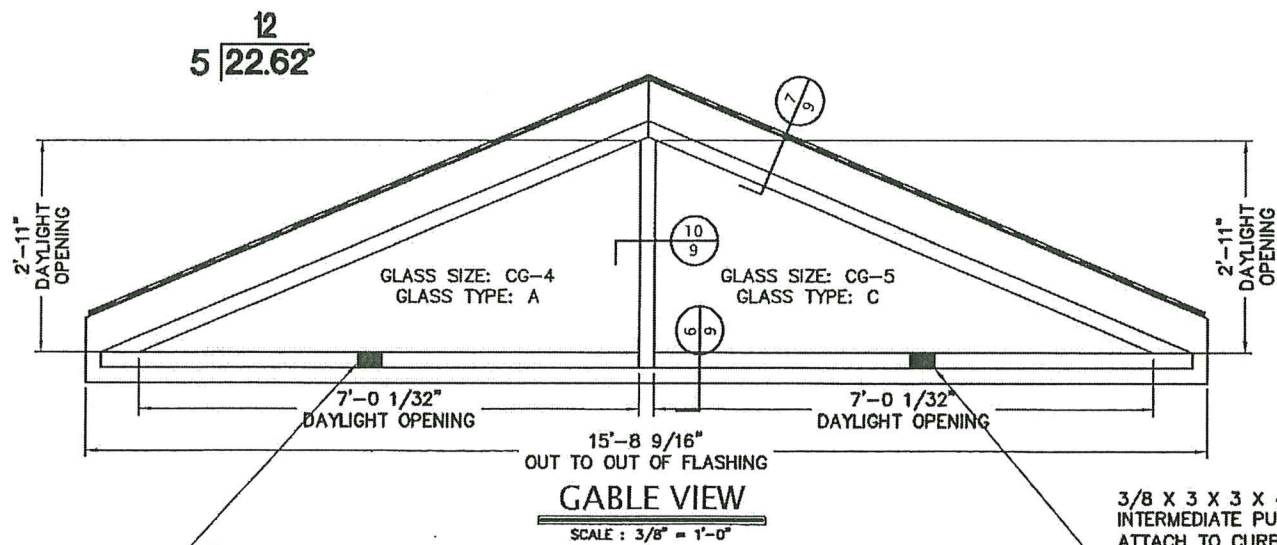
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0808.01
Expiration Date 08/15/2029
By H. J. A. M. M.
Miami Trade Product Control

DADE COUNTY USE		ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>19-0717.01</u> Expiration Date <u>08/15/2024</u> By <u>H. J. A. M. M.</u> Miami Trade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>22-1011.08</u> Expiration Date <u>08/15/2024</u> By <u>H. J. A. M. M.</u> Miami Trade Product Control	 STATE OF FLORIDA PROFESSIONAL ENGINEER
		SECURE SERIES SMALL MISSILE COVERSHEET
		1 of 14



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

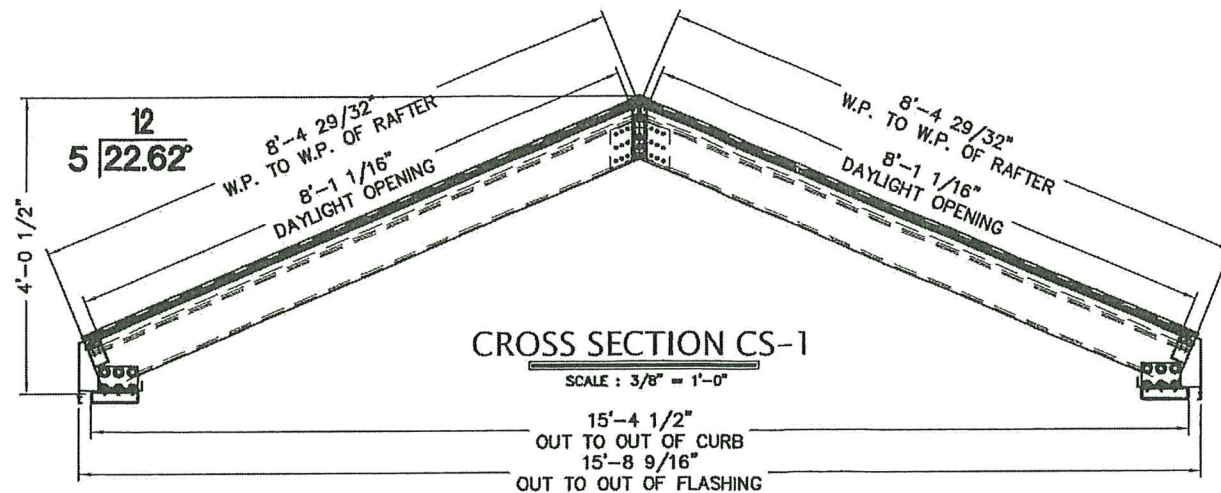
SEAL INTERSECTION OF ALL PRESSURE CAPS AND COVER CAPS. USE DOW CORNING 795



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

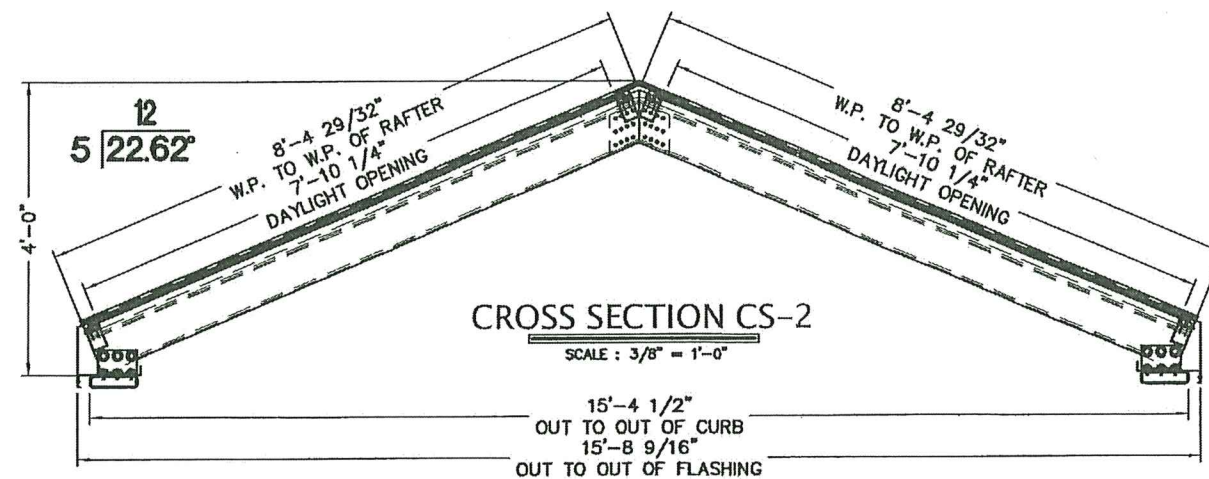
3/8 X 3 X 3 X 4 LONG INTERMEDIATE PURLIN SUPPORT ANGLE ATTACH TO CURB USING 1/2-13 HEX HD TAP BOLT DRILL AND TAP INTO STEEL ATTACH TO PURLIN USING (4) #12 X 1 H.W.H. TEK SCREWS QUANTITY, SIZE AND REQUIREMENT OF SUCH BASED ON SIZE AND GEOMETRY OF SKYLIGHT (NOT PART OF PRODUCT APPROVAL)

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



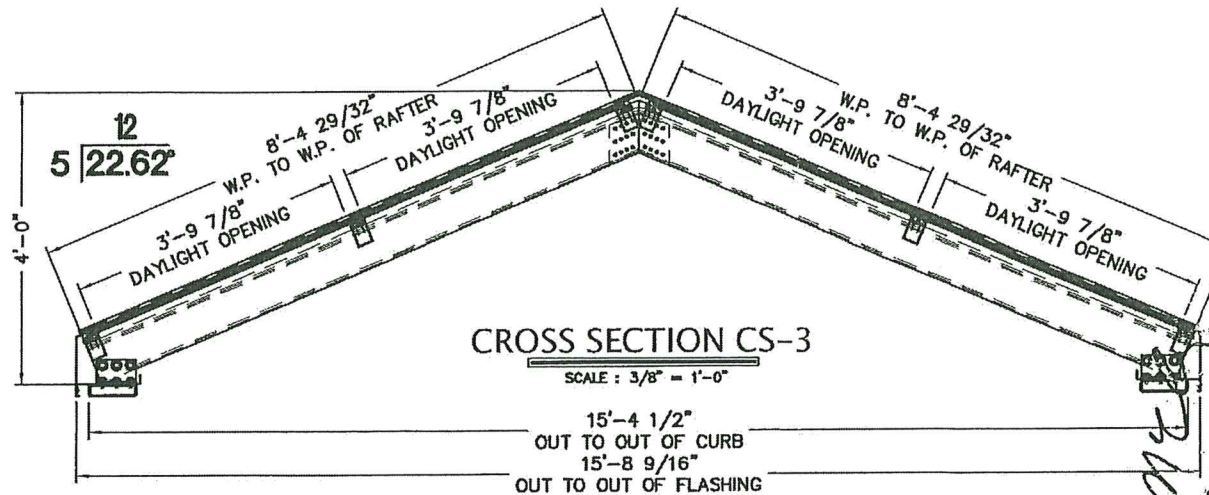
CROSS SECTION CS-1
SCALE: 3/8" = 1'-0"

15'-4 1/2"
OUT TO OUT OF CURB
15'-8 9/16"
OUT TO OUT OF FLASHING



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

15'-4 1/2"
OUT TO OUT OF CURB
15'-8 9/16"
OUT TO OUT OF FLASHING



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

15'-4 1/2"
OUT TO OUT OF CURB
15'-8 9/16"
OUT TO OUT OF FLASHING

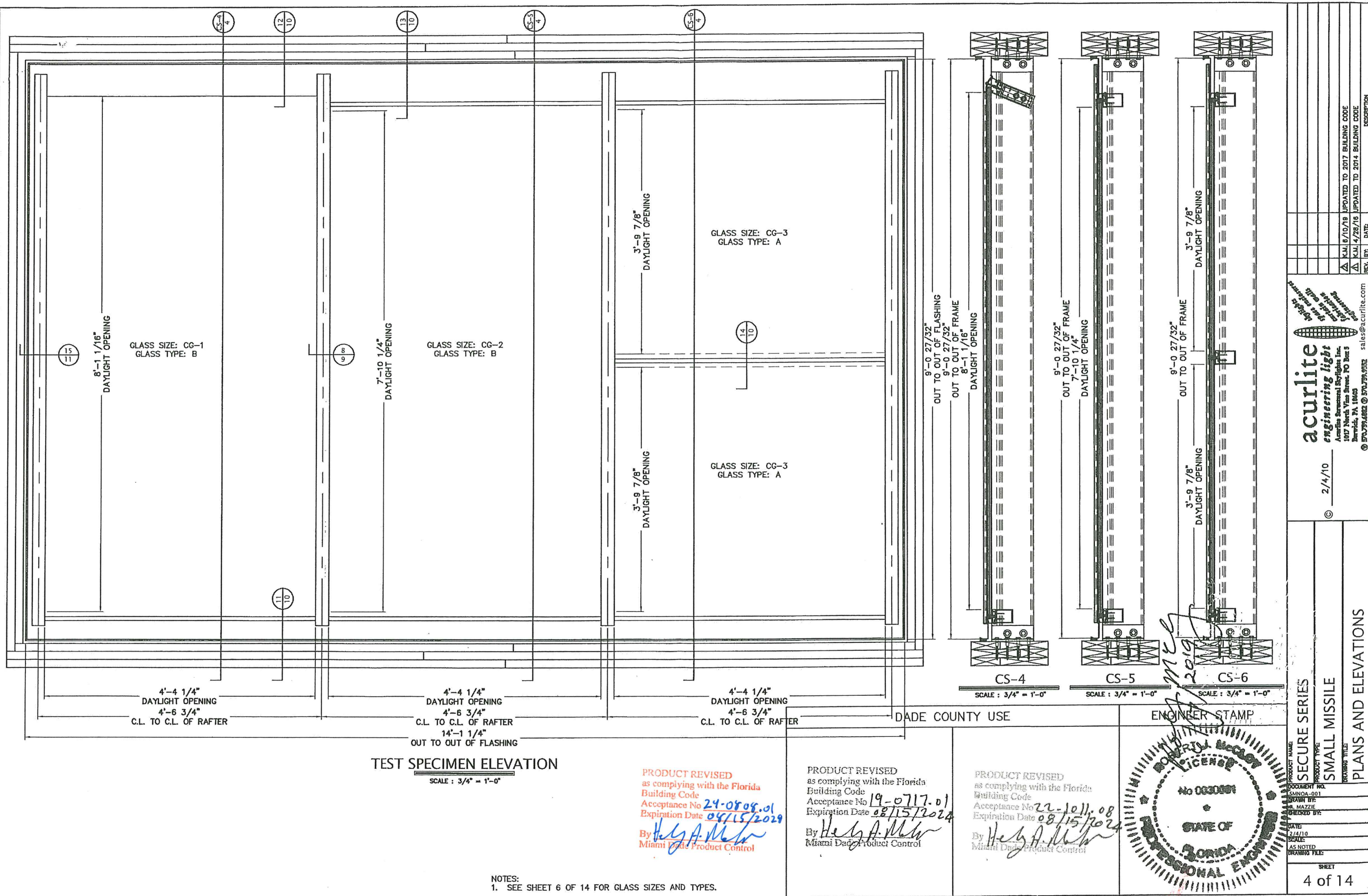
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 24-0808.01 Expiration Date 08/15/2024 By Healy A. Miller Miami Dade Product Control

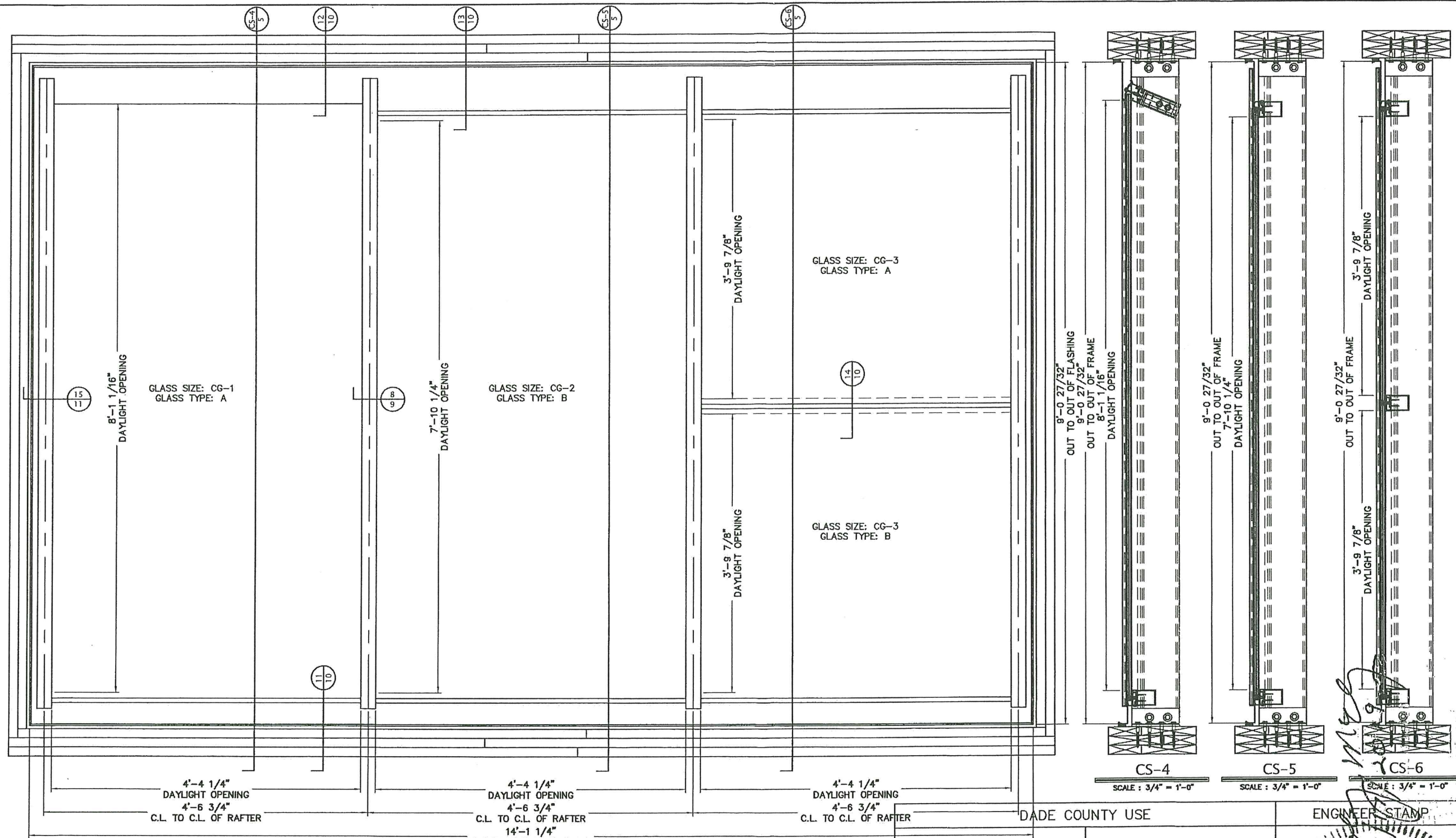
DADE COUNTY USE		ENGINEER'S STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 19-0717.01 Expiration Date 08/15/2024 By Healy A. Miller Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 22-1011.08 Expiration Date 08/15/2024 By Healy A. Miller Miami Dade Product Control	ROBERT J. McCLOY LICENSE No 0030061 STATE OF FLORIDA PROFESSIONAL ENGINEER

acur lite
engineering light
Acurlite Structural Engineering Inc.
1027 North Vine Street, PO Box 5
Barrie, PA 18603
© 570.754.6822 © 570.754.6822 sales@acur lite.com

SECURE SERIES
SMALL MISSILE
PLANS AND ELEVATIONS

2 of 14



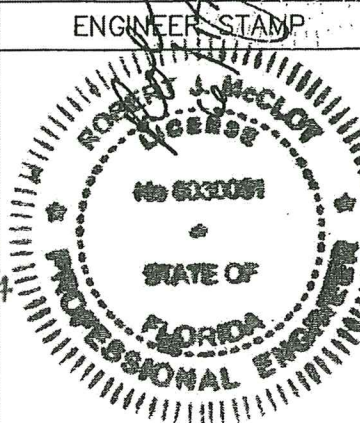


TEST SPECIMEN ELEVATION
SCALE : 3/4" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0808.01
Expiration Date 08/15/2024
By *Hedy A. Mohr*
Miami Dade Product Control

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Building Code
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By *Hedy A. Mohr*
Miami Dade Product Control

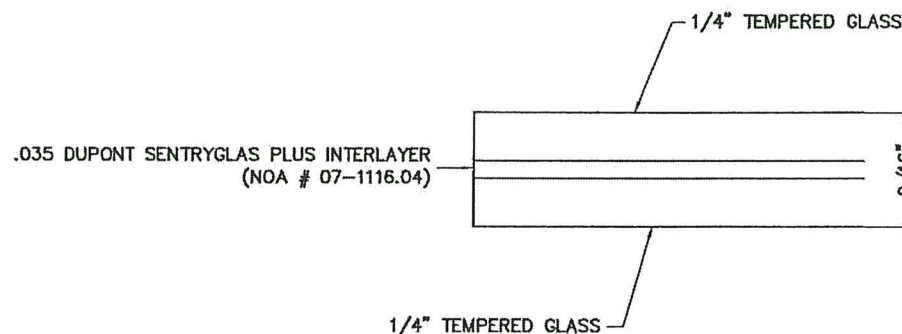
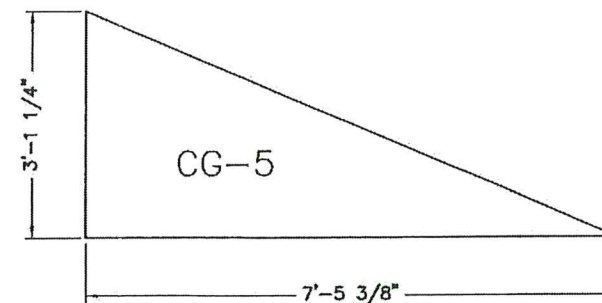
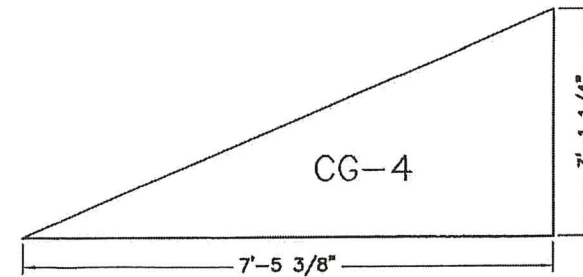
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 22-1011.08
Expiration Date 08/15/2024
By *Hedy A. Mohr*
Miami Dade Product Control



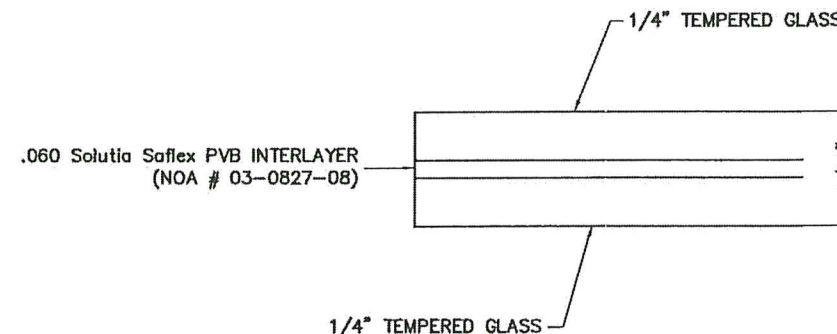
		2/4/10 ©	
acurite engineering light Acurite Structural Daylights, Inc. 1007 North Vine Street, PO Box 5 Berwick, PA 18603 © 570.791.4082 © 570.791.9952 sales@acurite.com		REV. BY. DATE K.M. 6/10/19 UPDATED TO 2017 BUILDING CODE K.M. 4/28/16 UPDATED TO 2014 BUILDING CODE	
PRODUCT NAME PRODUCT TYPE DRAWING TITLE SHEET		SECURE SERIES SMALL MISSILE PLANS AND ELEVATIONS 5 of 14	

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

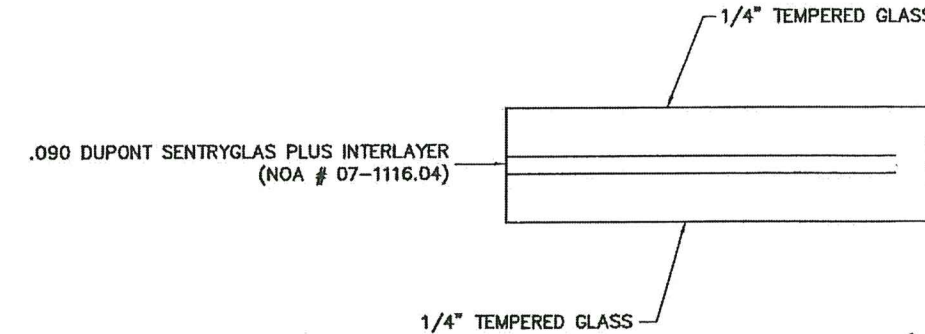
	SIZE
CG-1	54 x 99
CG-2	54 x 96
CG-3	54 x 49 5/8
CG-4	SEE PATTERN
CG-5	SEE PATTERN



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)

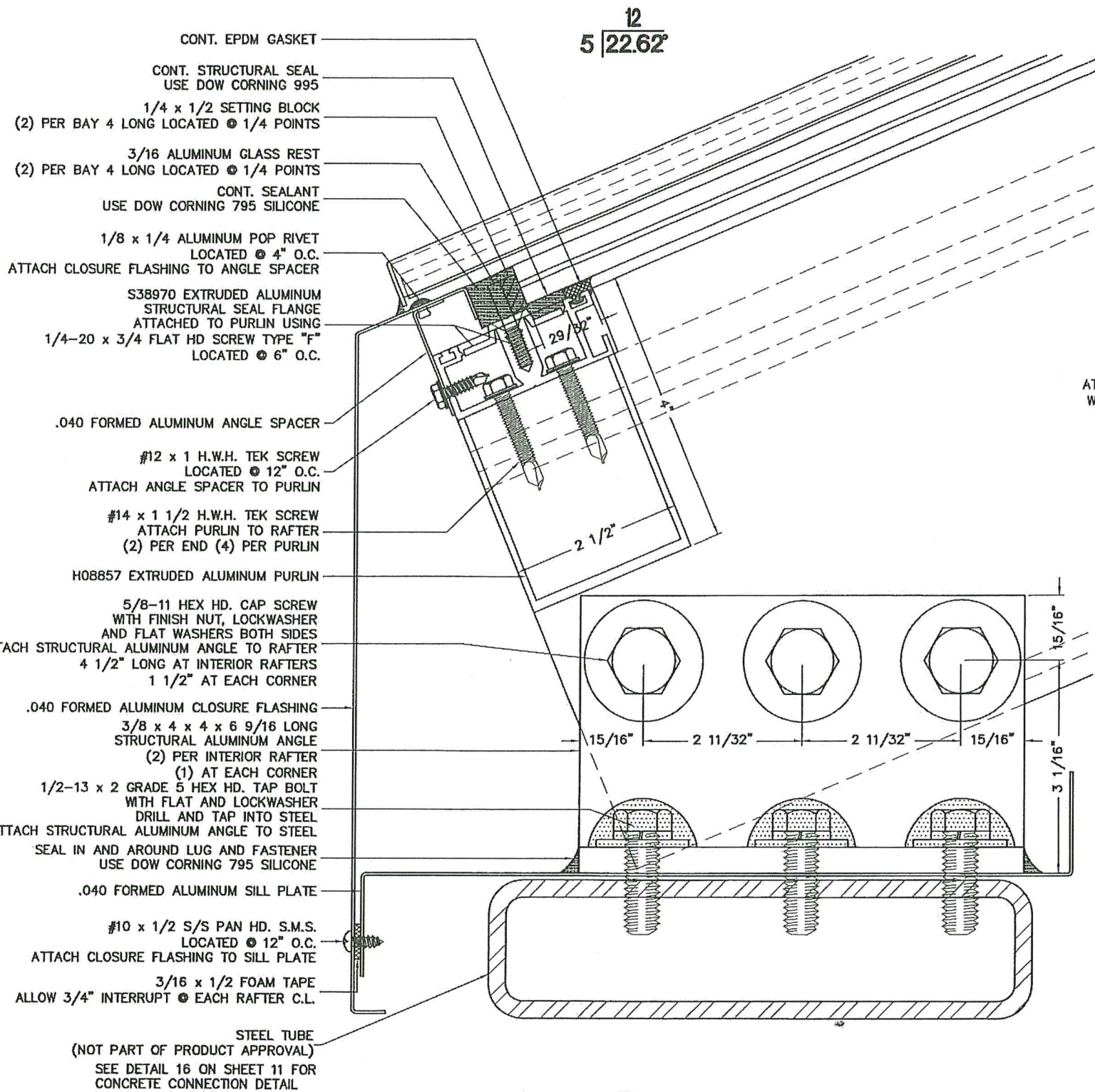
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0808.01
Expiration Date 08/15/2024
By Heidi A. Mahr
Miami Dade Product Control

DADE COUNTY USE		ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>19-0717.01</u> Expiration Date <u>08/15/2024</u> By <u>Heidi A. Mahr</u> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>22-1011.08</u> Expiration Date <u>08/15/2024</u> By <u>Heidi A. Mahr</u> Miami Dade Product Control	
PRODUCT NAME SECURE SERIES DOCUMENT NO. SMMA-001 DRAWN BY: K. MAZZIE CHECKED BY: DATE: 2/4/10 SCALE: NONE DRAWING FILE: SHEET 6 of 14		PROJECT TYPE SMALL MISSILE DRAWING TITLE GLAZING

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

acur lite
engineering light
Acurlite Structural Styglite, Inc.
1817 North Yule Street, PO Box 5
Beverly, PA 15403
© 2007-2008 © 2009-2010 sales@acur lite.com

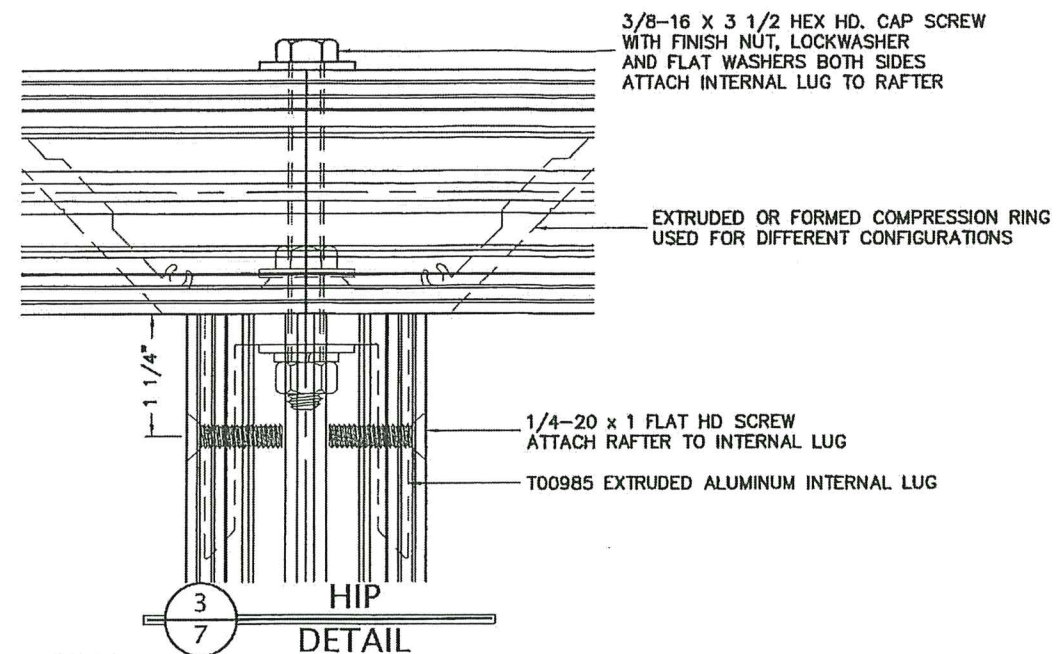
REV.	BY	DATE	DESCRIPTION
1	K.M.	8/10/18	UPDATED TO 2017 BUILDING CODE
2	K.M.	4/28/16	UPDATED TO 2014 BUILDING CODE



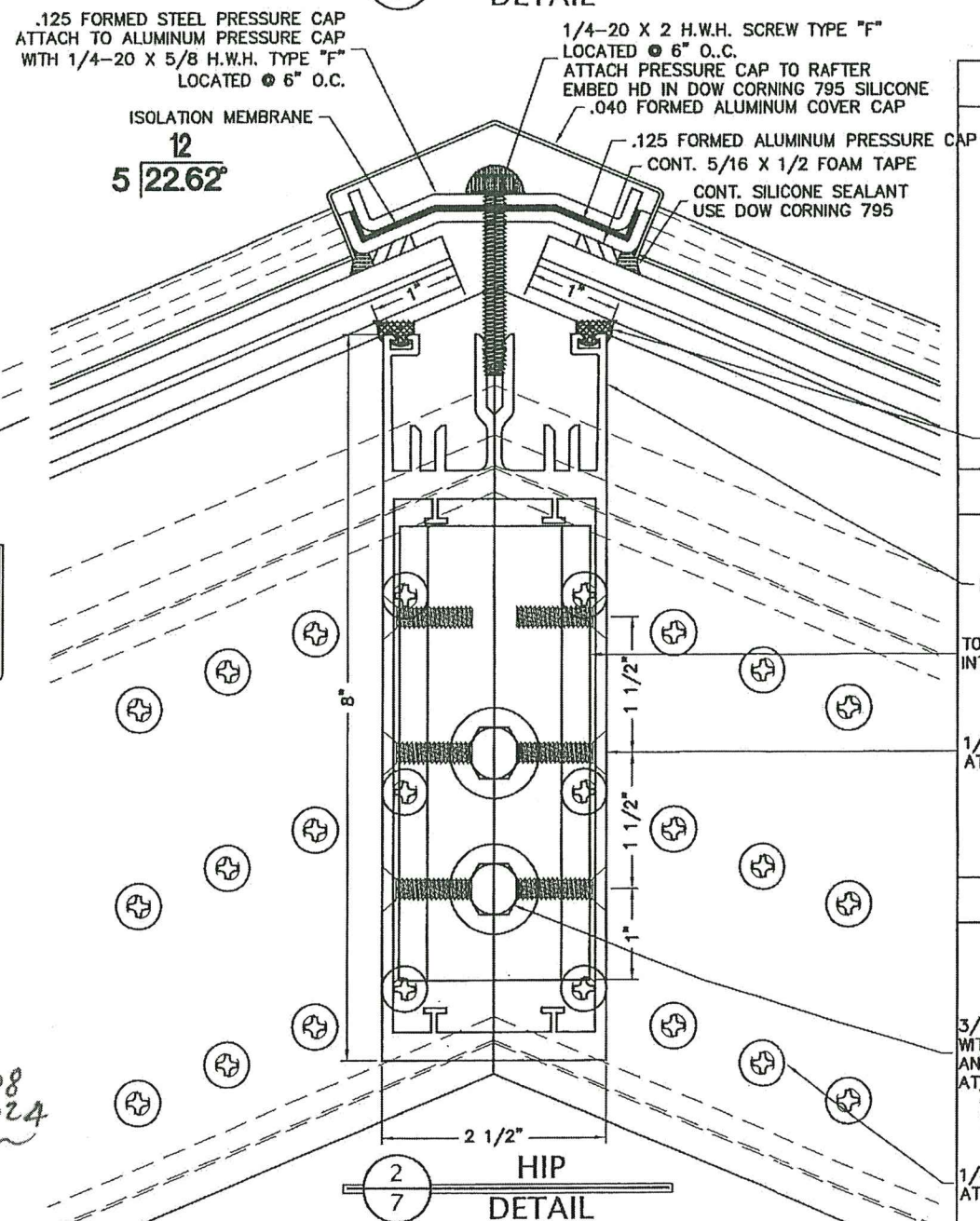
1
7 SILL
DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0808.01
Expiration Date 08/15/2024
By *Heidi A. Miller*
Miami Data Product Control

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Building Code
Acceptance No 22-1011.08
Expiration Date 08/15/2024
By *Heidi A. Miller*
Miami Data Product Control



3
7 HIP
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 Data Product Control

CONT. EPDM GASKET

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

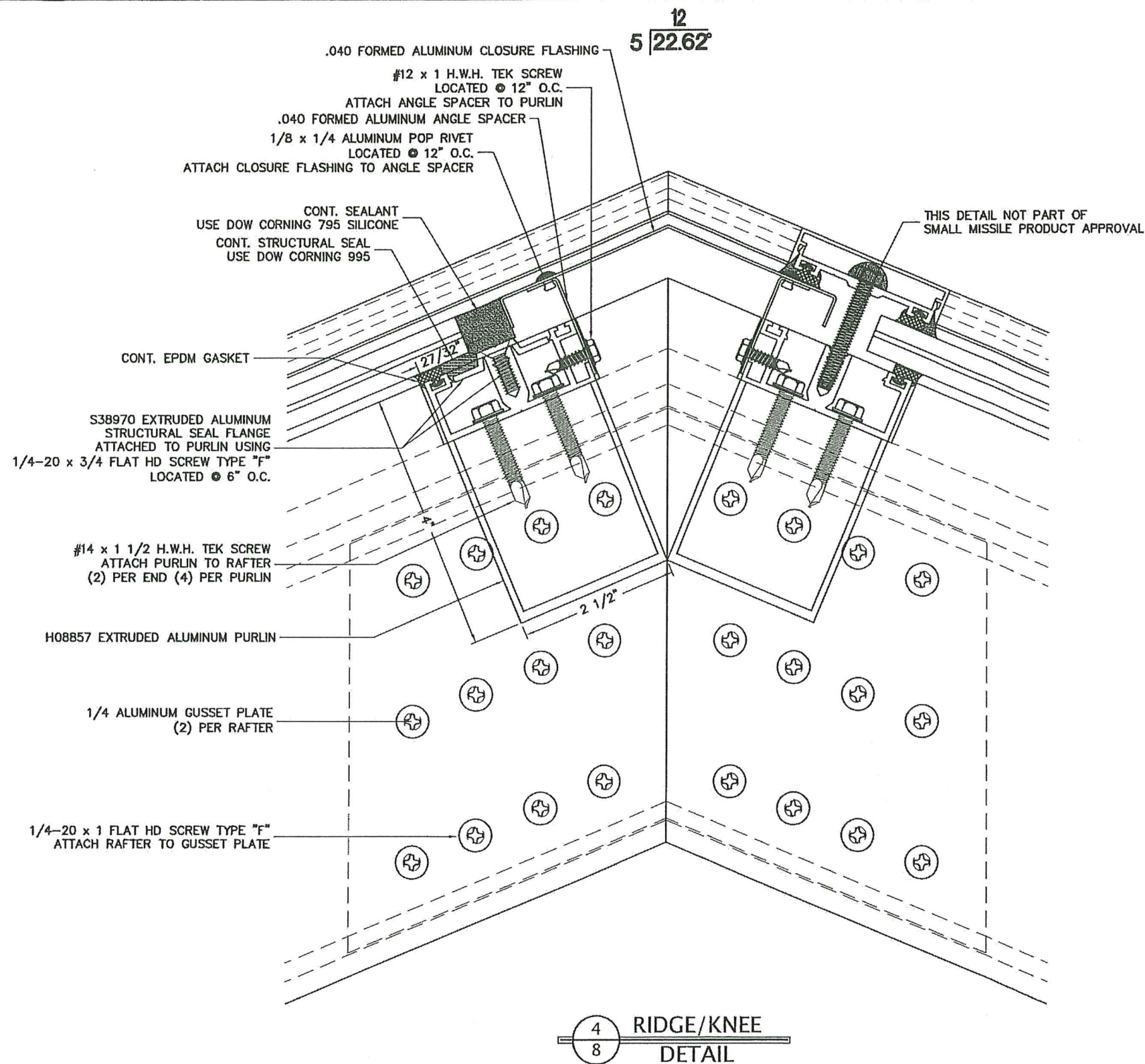
1/4-20 x 1 FLAT HD SCREW TYPE
ATTACH RAFTER TO CLOSURE PLATE

acurite
engineering light
Acurite Structural Skylights Inc.
107 North Vista Street, PO Box 5
Berwick, PA 18605
© 570.594.6822 © 570.797.9553 sales@acurite.com

2/4/10
©

SECURE SERIES
SMALL MISSILE
DETAILS

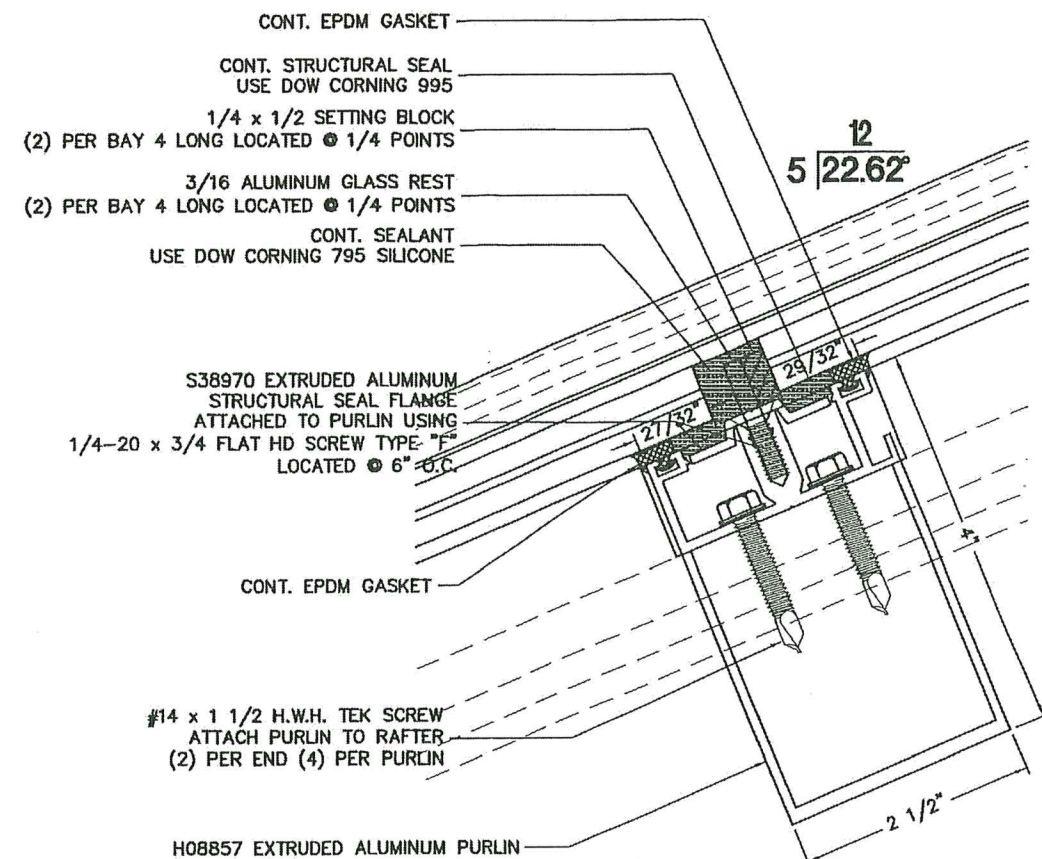
DATE
2/4/10
SCALE
1/2\"/>



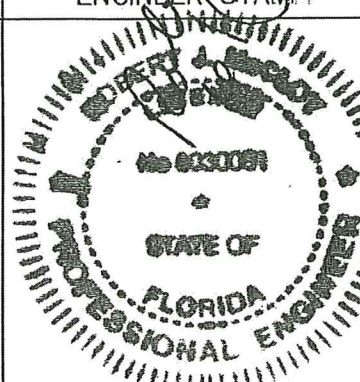
4
8 RIDGE/KNEE
DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0808.01
Expiration Date 08/15/2029
By *Heidi A. Mah*
Miami Dade Product Control

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



5
8 HORIZONTAL
DETAIL

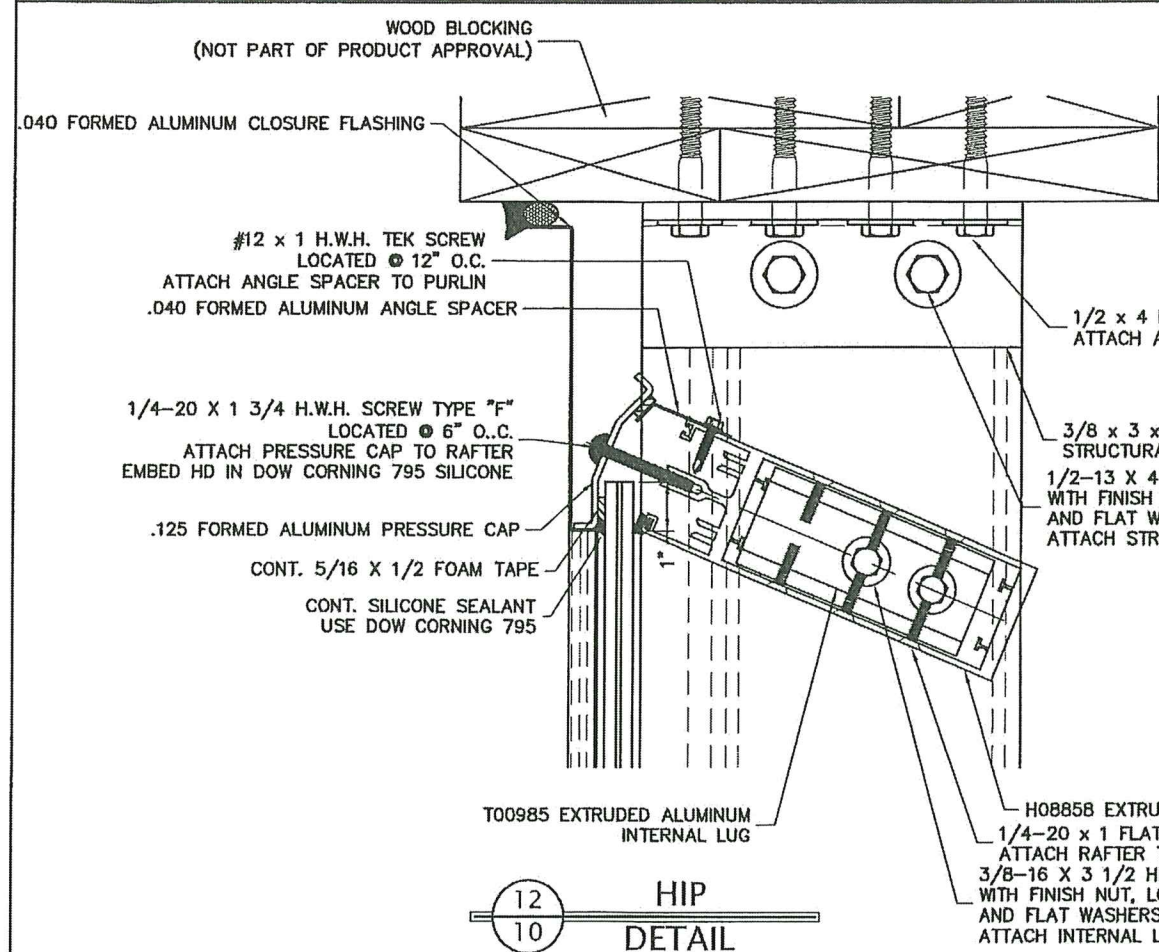
DADE COUNTY USE		ENGINEER STAMP	SECURE SERIES SMALL MISSILE DETAILS
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 19-0717.01 Expiration Date 08/15/2024 By <i>Heidi A. Mah</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011.08 Expiration Date 08/15/2024 By <i>Heidi A. Mah</i> Miami Dade Product Control		

REV.	DATE	DESCRIPTION
Δ	K.M. 6/10/19	UPDATED TO 2017 BUILDING CODE
Δ	K.M. 4/28/18	UPDATED TO 2014 BUILDING CODE

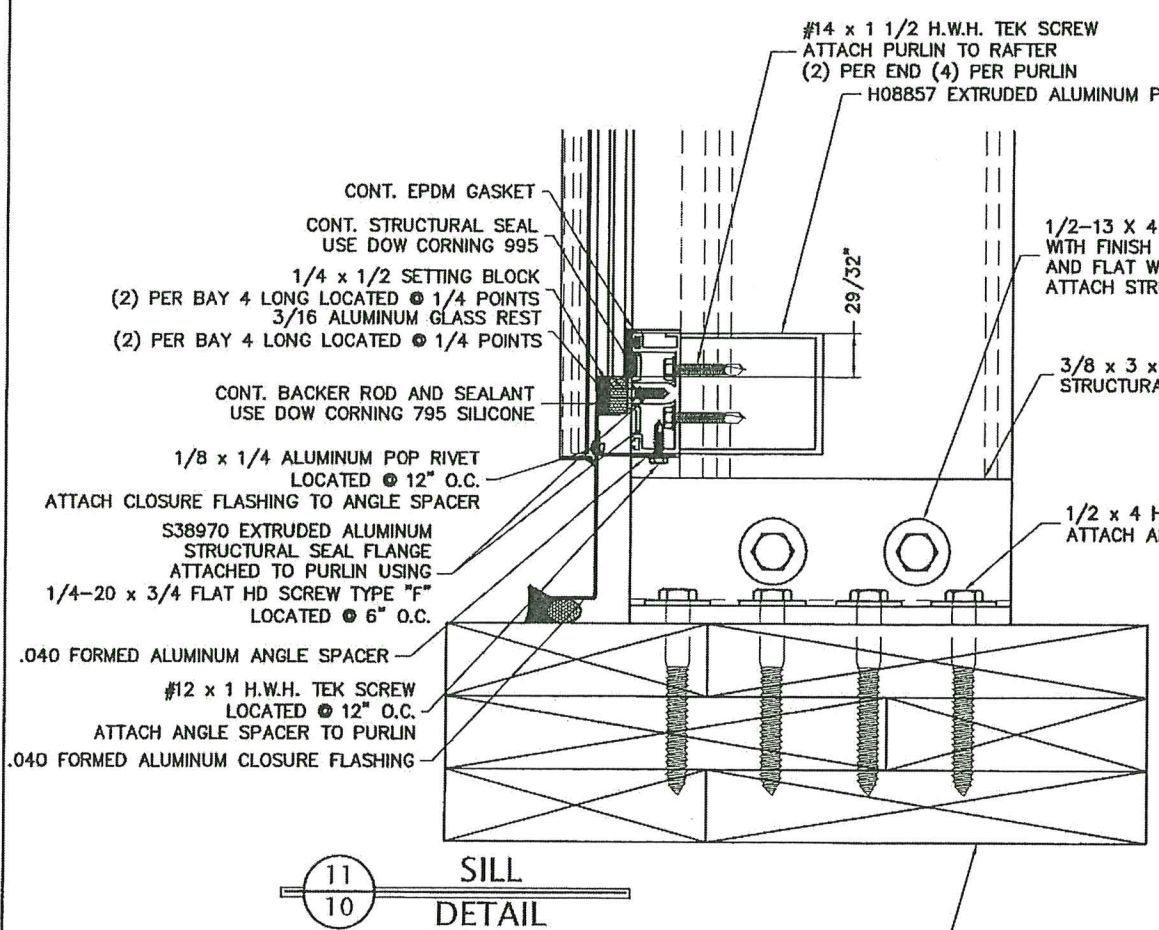
acurite
engineering light
Acurite Structural Skylights Inc.
1017 North Vasa Street, PO Box 3
Burrville, VA 18603
© 570.759.4422 © 570.759.9523 sales@acurite.com

2/4/10
©

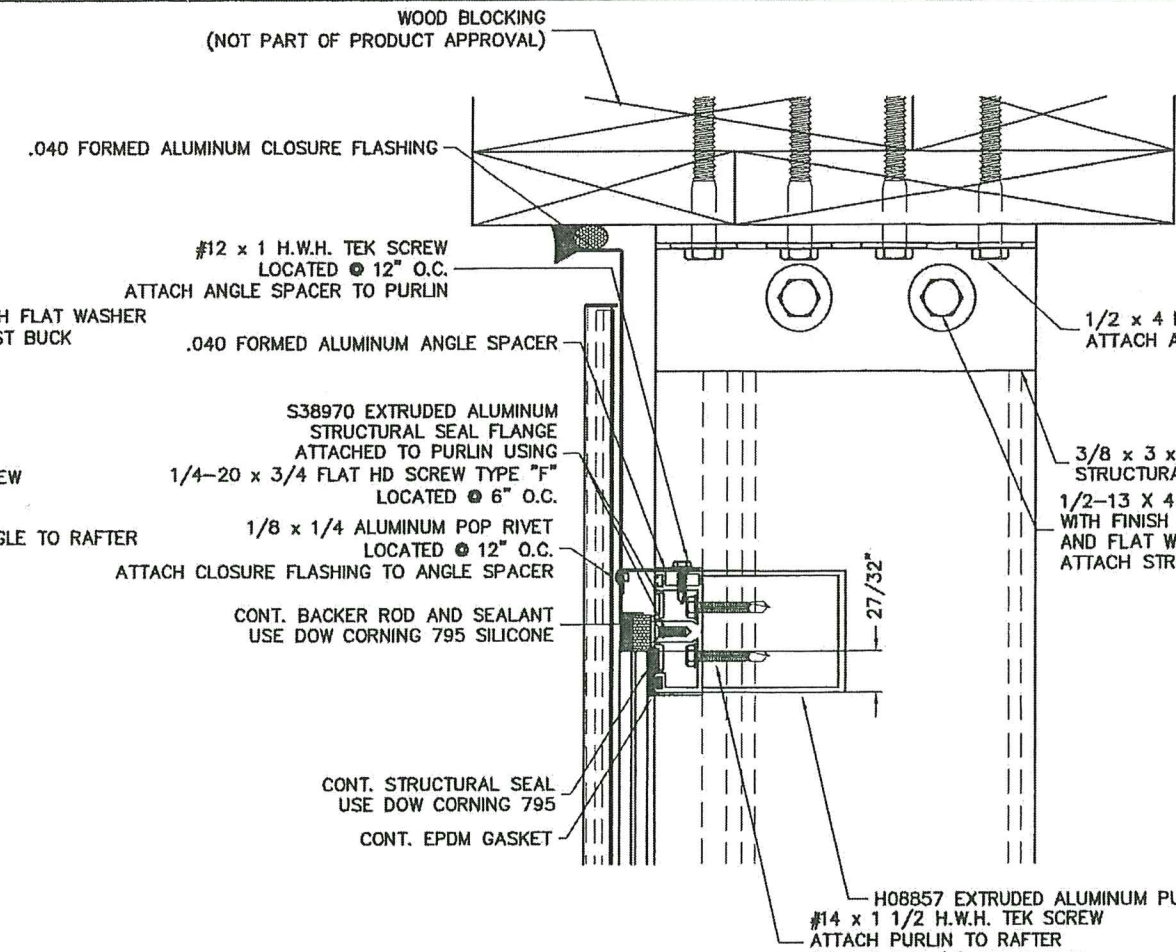
PRODUCT NAME SECURE SERIES SMALL MISSILE DETAILS	DOCUMENT NO. SWINDA-001 DRAWN BY H. MAZZIE CHECKED BY DATE 2/4/10 SCALE HALF DRAWING FILE SHEET 8 of 14
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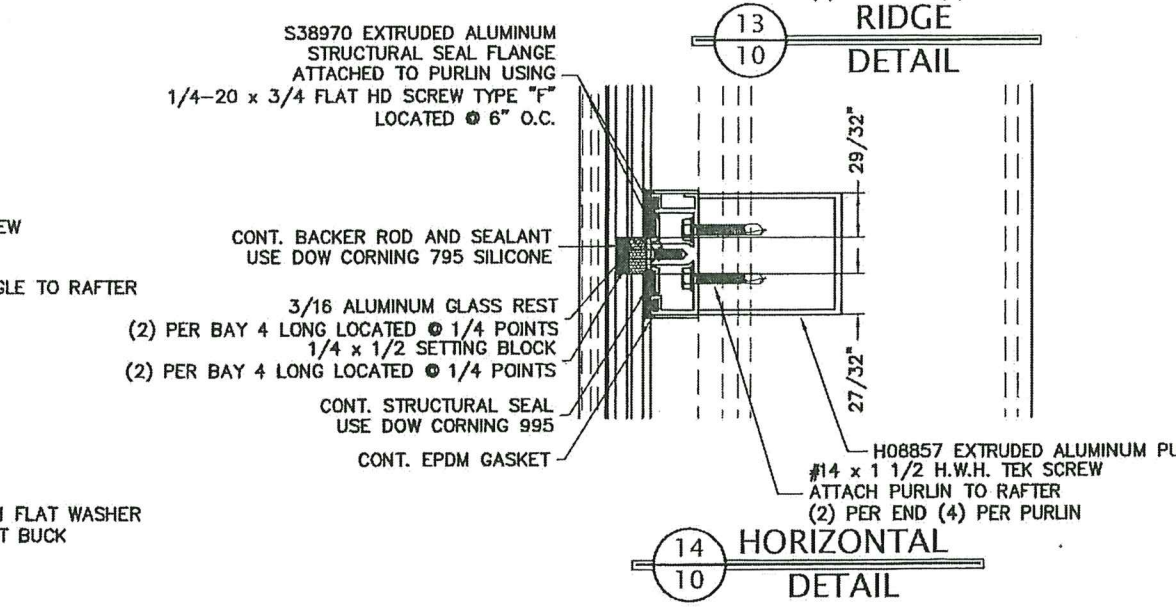
12
10
HIP
DETAIL



11
10
SILL
DETAIL



13
10
RIDGE
DETAIL



14
10
HORIZONTAL
DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0404.01
Expiration Date 08/15/2029
By *Heidi A. Mazzie*
Miami Dade Product Control

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>Heidi A. Mazzie</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011.00 Expiration Date 08/15/2024 By <i>Heidi A. Mazzie</i> Miami Dade Product Control	
SECURE SERIES SMALL MISSILE DETAILS		SHEET 10 of 14

acurlite
engineering light

1917 North Vero Street, PO Box 5
Beverly, FL 33403

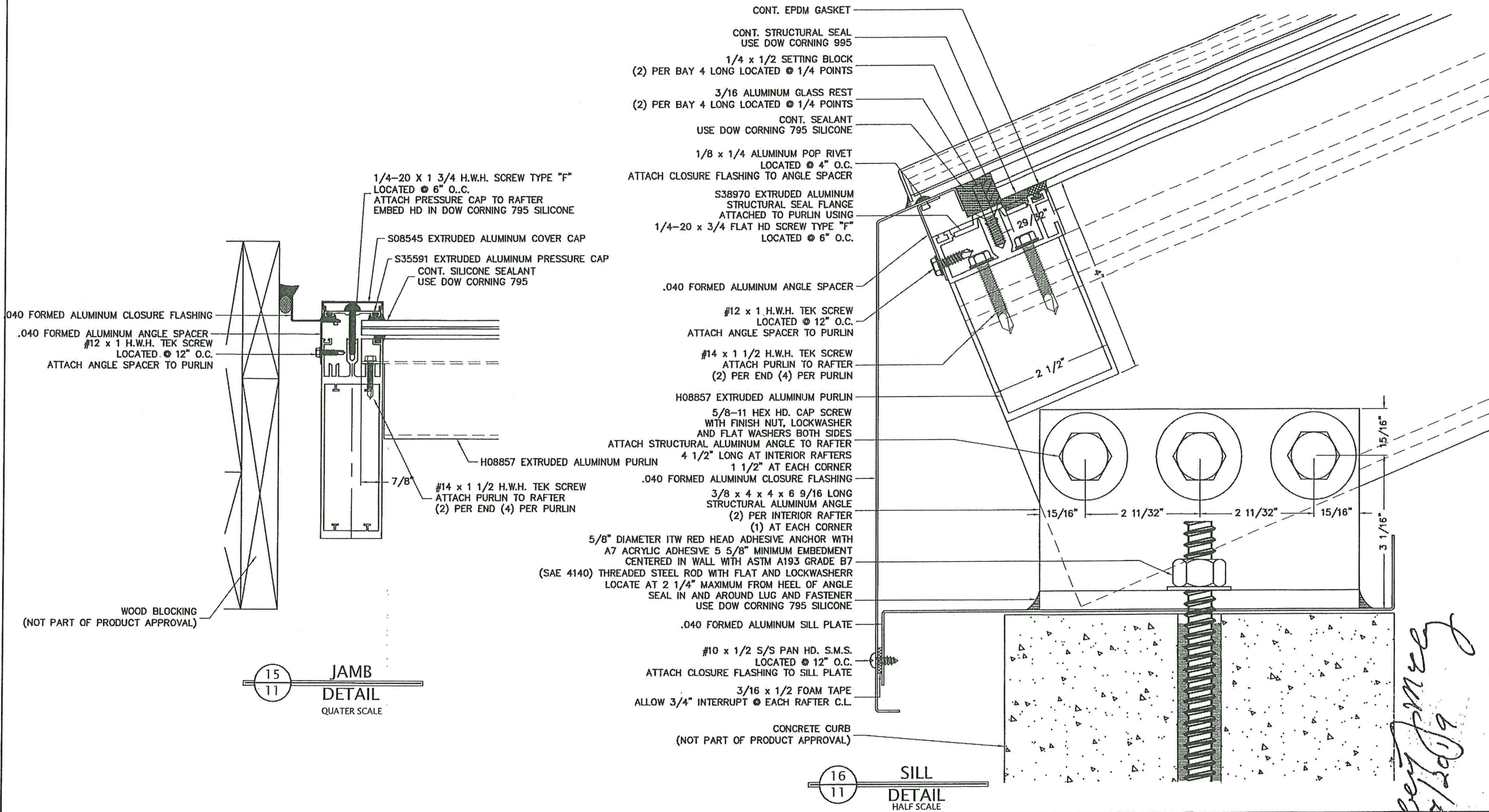
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2/4/10

REV. DATE

REV.	DATE	DESCRIPTION
1	6/10/18	UPDATED TO 2017 BUILDING CODE
2	4/28/19	UPDATED TO 2014 BUILDING CODE

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



15
11
JAMB
DETAIL
QUATER SCALE

16
11
SILL
DETAIL
HALF SCALE

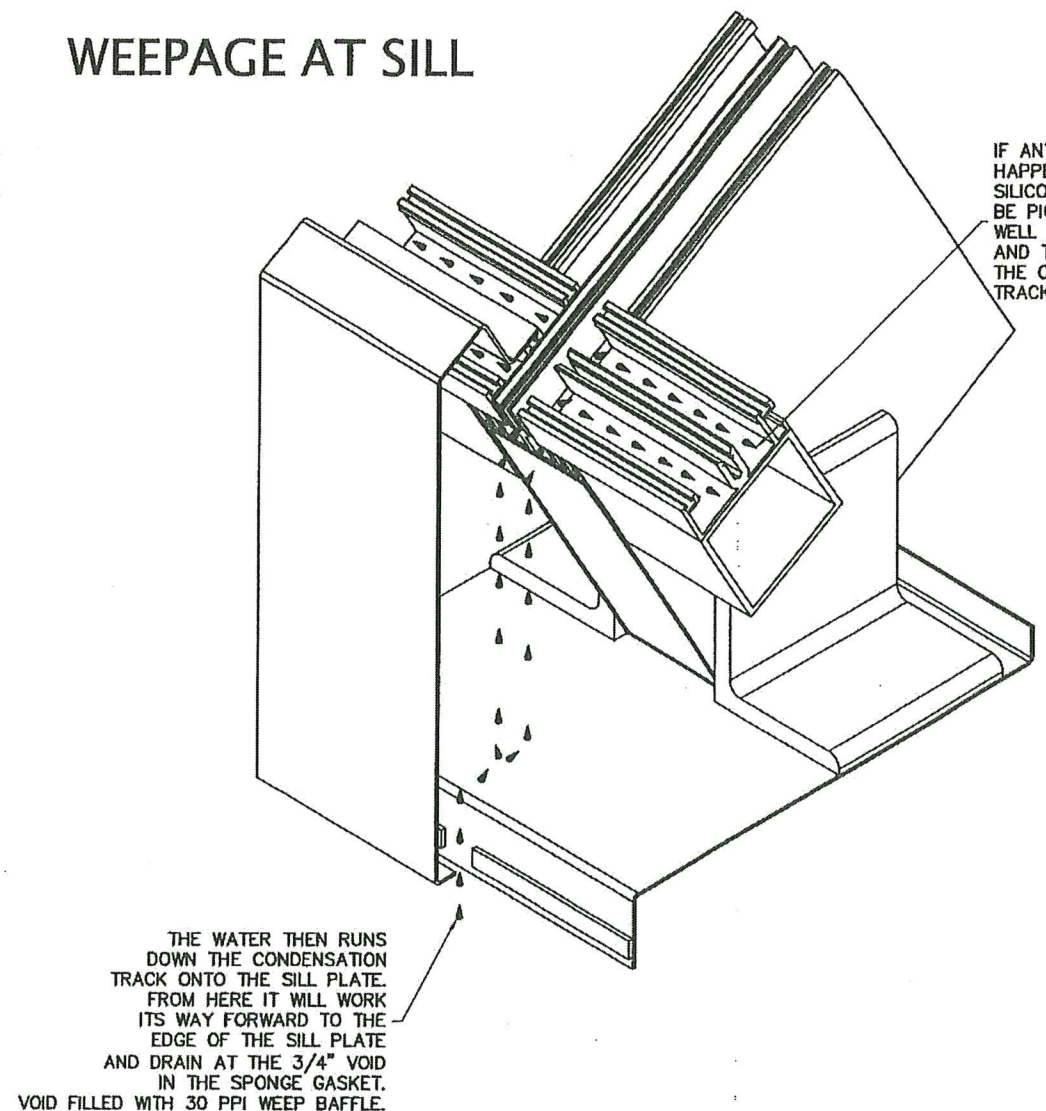
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0808.01
Expiration Date 08/15/2024
By *Healy A. McW*
Miami Dade Product Control

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>Healy A. McW</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011.08 Expiration Date 08/15/2024 By <i>Healy A. McW</i> Miami Dade Product Control	<p>HEALY A. MCW 2/4/10 0000001 STATE OF FLORIDA PROFESSIONAL ENGINEER</p>

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

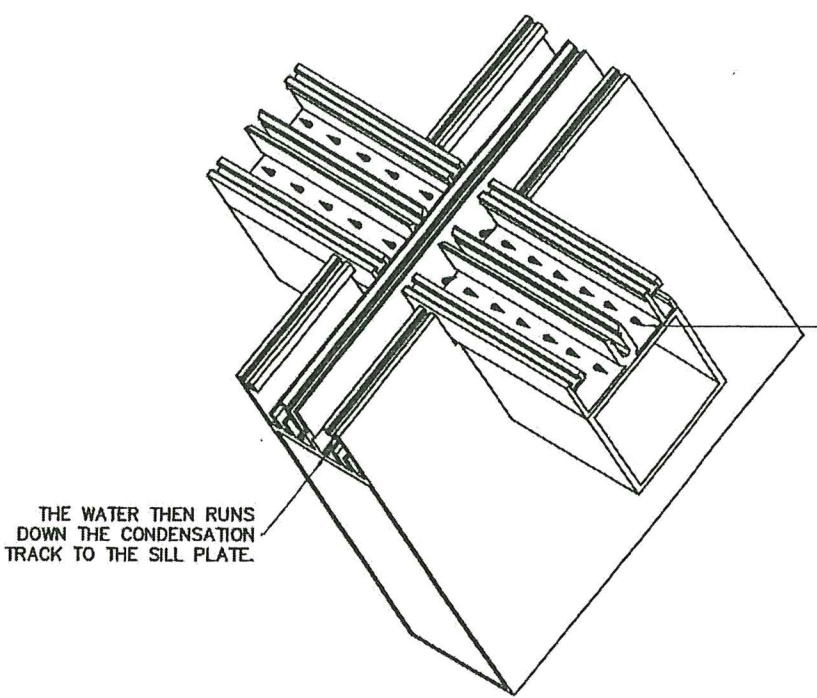
acurllite engineering light	
Acurlite Structural Skylights Inc. 1007 North Van Street, PO Box 3 Barrville, PA 16805 © 570.797.4002 © 570.797.9552 sales@acurllite.com	
DATE: 2/4/10	REV. 1
PRODUCT NAME: SMALL MISSILE	DESCRIPTION: DETAILS
DOCUMENT NO. 0000001	DATE: 2/4/10
DESIGNED BY: E. MAZZIE	SCALE: AS NOTED
CHECKED BY:	DRAWING FILE:
SHEET 11 of 14	

WEEPAGE AT SILL

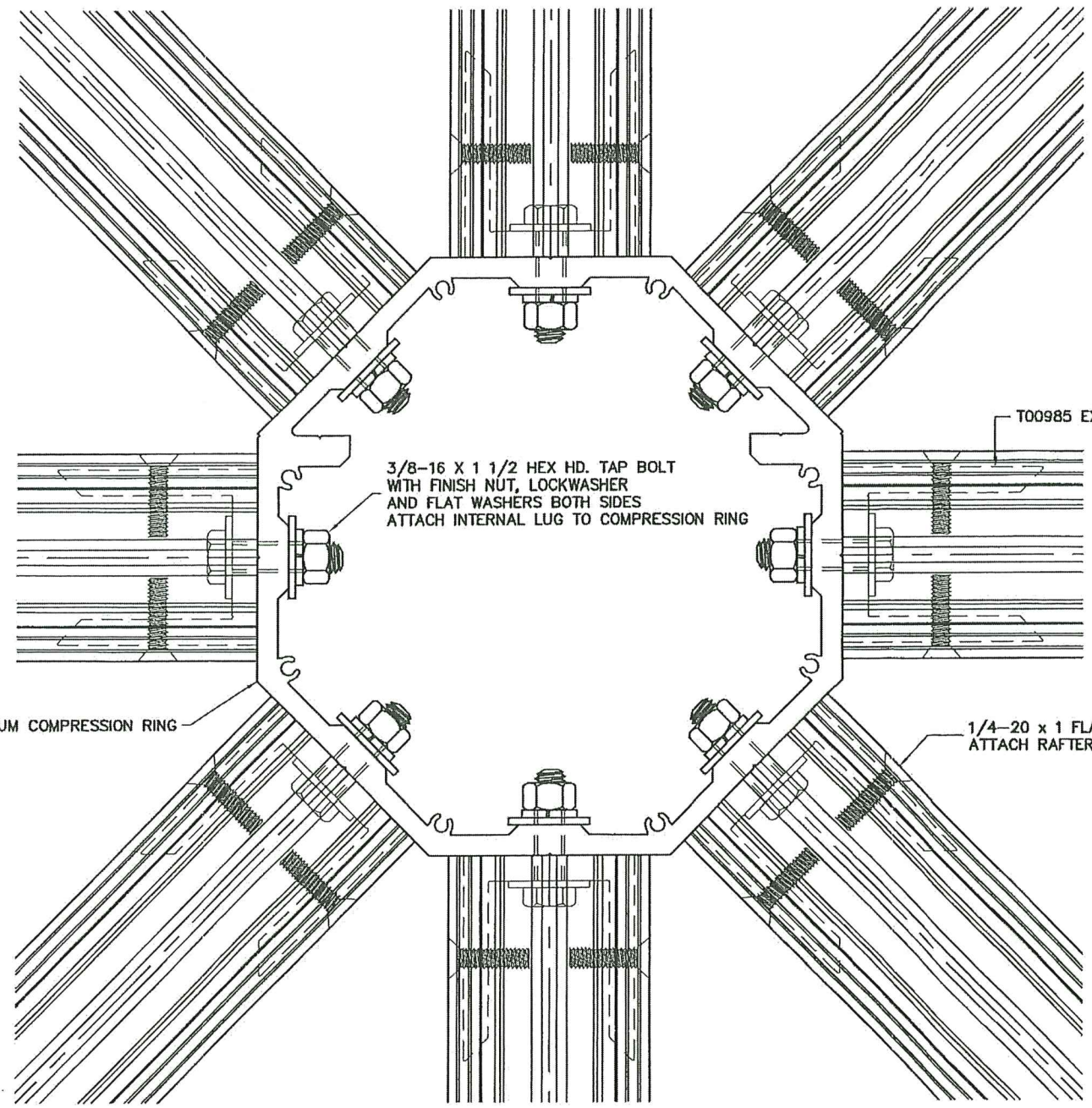


IF ANY WATER WOULD HAPPEN TO PENETRATE THE SILICONE JOINT IT WOULD BE PICKED UP IN THE WELL OF THE PURLIN AND TRANSFERRED TO THE CONDENSATION TRACK OF THE RAFTER.

WEEPAGE AT INTERMEDIATE



IF ANY WATER WOULD HAPPEN TO PENETRATE THE SILICONE JOINT IT WOULD BE PICKED UP IN THE WELL OF THE PURLIN AND TRANSFERRED TO THE CONDENSATION TRACK OF THE RAFTER.



16 COMP. RING
12 DETAIL

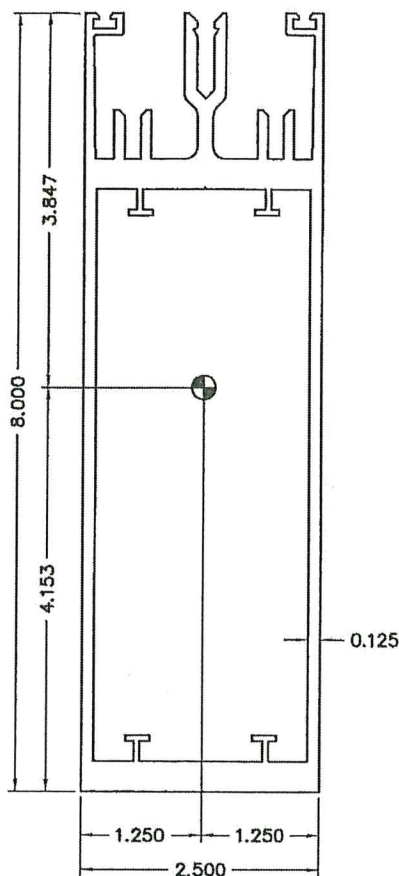
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0808.01
Expiration Date 08/15/2024
By H. A. Mahr
Miami Dade Product Control

DADE COUNTY USE		ENGINEER'S STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>19-0717.01</u> Expiration Date <u>08/15/2024</u> By <u>H. A. Mahr</u> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>22-1011.08</u> Expiration Date <u>08/15/2024</u> By <u>H. A. Mahr</u> Miami Dade Product Control	
SECURE SERIES		SMALL MISSILE
DETAILS		12 of 14

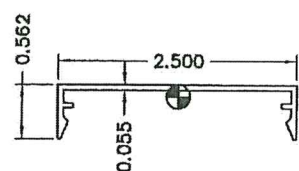
NOTES:
1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.

REV.	DATE	DESCRIPTION
1	2/4/10	ISSUED FOR CONSTRUCTION
2	8/10/19	UPDATED TO 2017 BUILDING CODE
3	4/28/18	UPDATED TO 2014 BUILDING CODE

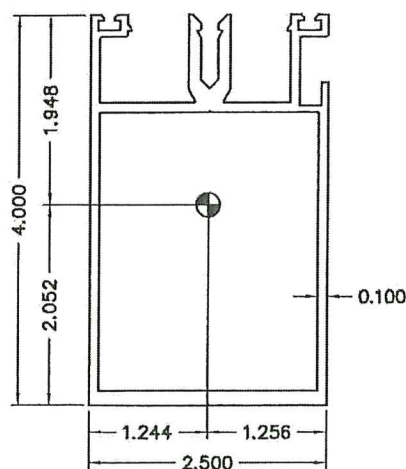
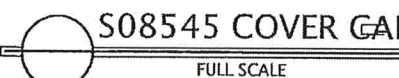
acur lite
engineering light
Acurlite Structural Skylights Inc.
1017 North Vasa Street, PO Box 5
Beverly, PA 15603
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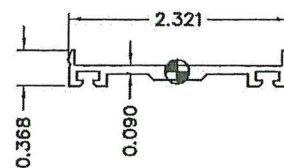
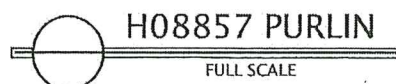
Area: 4.0777
 Perimeter: 54.9115
 Bounding box: X: -1.2500 --- 1.2500
 Y: -4.1528 --- 3.8472
 Moments of inertia: X: 31.3863
 Y: 3.5664
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 2.7743
 Y: 0.9352
 Principal moments and X-Y directions about centroid:
 I: 3.5664 along [0.0000 1.0000]
 J: 31.3863 along [-1.0000 0.0000]
 Weight per lineal foot: 4.77 lbs.
 Aluminum Alloy: 6063-T6



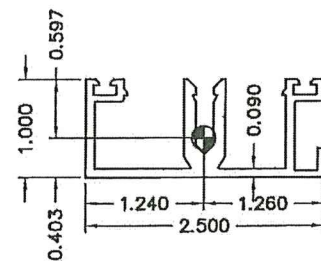
Area: 0.2110
 Perimeter: 7.5289
 Bounding box: X: -1.2500 --- 1.2500
 Y: -0.4392 --- 0.1228
 Moments of inertia: X: 0.0049
 Y: 0.1783
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.1527
 Y: 0.9191
 Principal moments and X-Y directions about centroid:
 I: 0.0049 along [1.0000 0.0000]
 J: 0.1783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



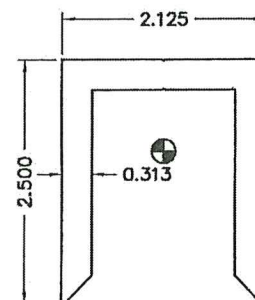
Area: 1.6983
 Perimeter: 31.2602
 Bounding box: X: -1.2438 --- 1.2562
 Y: -2.0520 --- 1.9480
 Moments of inertia: X: 3.4266
 Y: 1.4491
 Product of inertia: XY: -0.0162
 Radii of gyration: X: 1.4204
 Y: 0.9237
 Principal moments and X-Y directions about centroid:
 I: 1.4489 along [0.0082 -1.0000]
 J: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



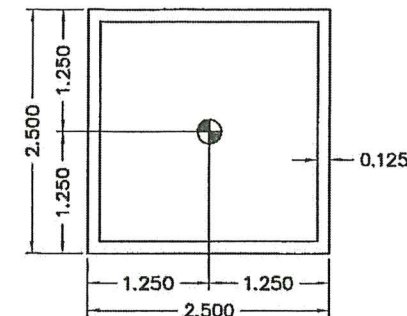
Area: 0.2955
 Perimeter: 6.9688
 Bounding box: X: -1.1634 --- 1.1626
 Y: -0.1489 --- 0.2190
 Moments of inertia: X: 0.0012
 Y: 0.1486
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.0634
 Y: 0.7092
 Principal moments and X-Y directions about centroid:
 I: 0.0012 along [1.0000 0.0000]
 J: 0.1486 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



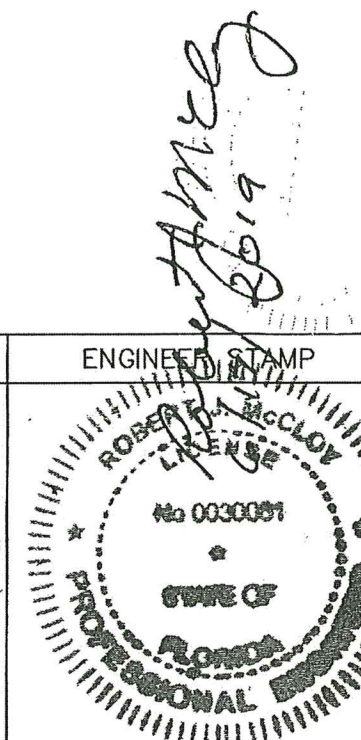
Area: 1.1875
 Perimeter: 19.0000
 Bounding box: X: -1.2500 --- 1.2500
 Y: -1.2500 --- 1.2500
 Moments of inertia: X: 1.1195
 Y: 1.1195
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.9709
 Y: 0.9709
 Principal moments and X-Y directions about centroid:
 I: 1.1195 along [0.7071 -0.7071]
 J: 1.1195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



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 24-0808.01
 Expiration Date 08/15/2029
 By Hely A. McLean
 Miami Dade Product Control

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 22-1011.08
 Expiration Date 08/15/2024
 By Hely A. McLean
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2/4/10

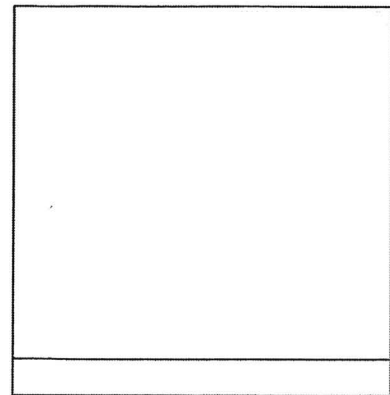
SECURE SERIES

SMALL MISSILE

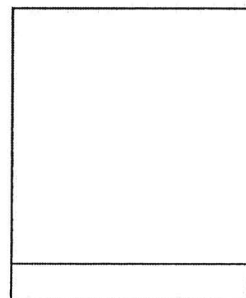
BILL OF MATERIALS

13 of 14

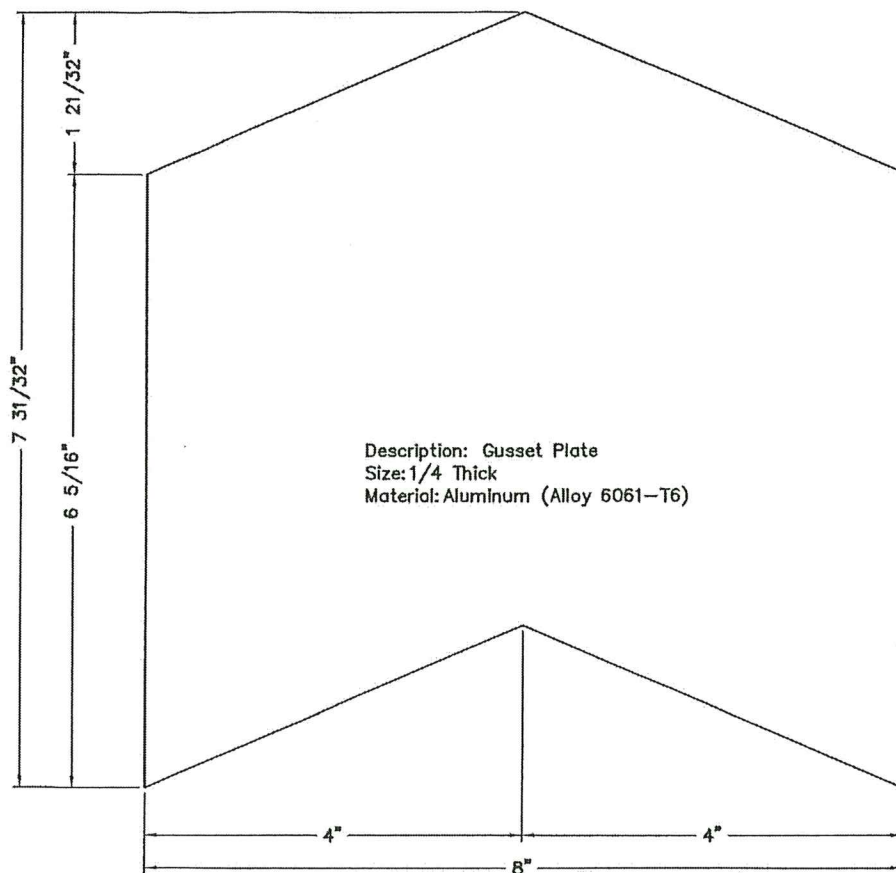
NOTES:
 1. SEE SHEET 6 OF 14 FOR GLASS SIZES AND TYPES.



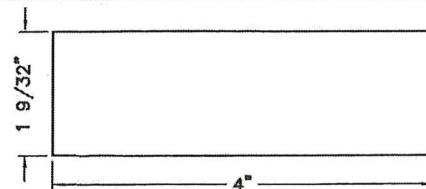
Description: Structural Aluminum Angle
Size: 3/8 x 4 x 4
Material: Aluminum (Alloy 6061-T6)



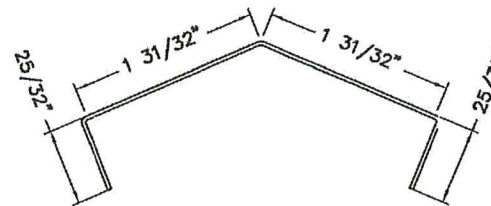
Description: Structural Aluminum Angle
Size: 3/8 x 3 x 3
Material: Aluminum (Alloy 6061-T6)



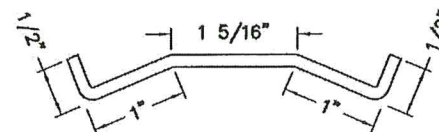
Description: Gusset Plate
Size: 1/4 Thick
Material: Aluminum (Alloy 6061-T6)



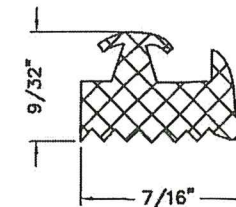
Description: Glass Rest
Size: 3/16 Thick
Material: Aluminum (Alloy 6061-T6)



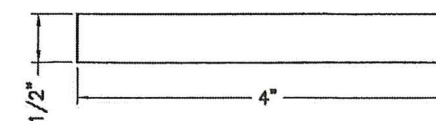
Description: Formed Cover Cap
Size: .040 Thick
Material: Aluminum (Alloy 3003)



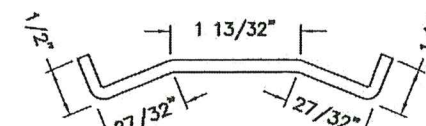
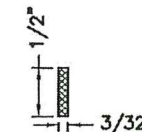
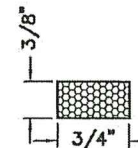
Description: Formed Pressure Cap
Size: .125 Thick
Material: Aluminum (Alloy 3003)



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



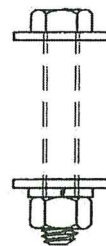
Description: Flat Head Screw Type "F" (F.H.S. Type "F")
Size: 1/4-20 x Varies
Material: SAE Grade 2 Steel



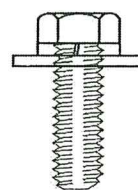
Description: Hex Washer Head Tek Screw (H.W.H. Tek Screw)
Size: #14 x 1 1/2
Material: SAE Grade 2 Steel



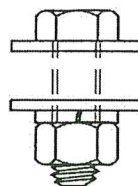
Description: Hex Washer Head Screw Type "F" (H.W.H. Screw Type "F")
Size: 1/4-20 x 1 3/4
Material: SAE Grade 2 Steel



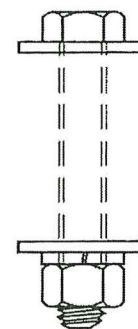
Description: Hex Head Cap Screw with Finish Nut, Flat Washers and Lockwasher
Size: 3/8-16 x 4 1/2
Material: ASTM Grade 2 Steel



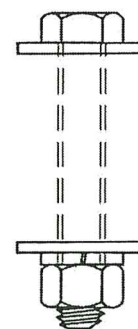
Description: Hex Head Tap Bolt with Flat Washer and Lockwasher
Size: 1/2-13 x 2
Material: ASTM A449 Grade 5



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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0808.01
Expiration Date 08/15/2024
By Kelly A. Miller
Miami Dade Product Control

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 Kelly A. Miller Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011.08 Expiration Date 08/15/2024 By Kelly A. Miller Miami Dade Product Control	 DATE: 2/4/10 SCALE: HALF DRAWING FILE: 14 of 14

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