



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)

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 and accepted by Miami-Dade County 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 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. 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: 9/16" Laminated Glass and Aluminum Extrusions Skylight System

APPROVAL DOCUMENT: Drawing No. LMNOA-001, titled "Secure Series Large Missile" sheets 1 through 12 of 12, dated February 04, 2010, Revision #2 dated June 10, 2019, prepared by Acurlite, signed and sealed by Robert J. McCloy, P.E., on June 17, 2019, 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 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 NOA #16-0502.04 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
11/10/2022

NOA No. 22-1011.07
Expiration Date: 07/25/2024
Approval Date: 11/10/2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #10-0217.07

A. DRAWINGS

1. *Drawing No. LMNOA-001, titled "Secure Series Large Missile" sheets 1 through 12 of 12, 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 Large Missile Impact Test, Cyclic Load Test, and 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.*
2. *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. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #16-0502.04

A. DRAWINGS

1. *Drawing No. LMNOA-001, titled "Secure Series Large Missile" sheets 1 through 12 of 12, dated February 04, 2010, Revision #2 dated June 10, 2019, prepared by Acurlite, signed and sealed by Robert J. McCloy, P.E., on June 17, 2019.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 22-1011.07
Expiration Date: 07/25/2024
Approval Date: 11/10/2022

Acurlite Structural Skylights, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE 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. *None.*

F. STATEMENTS

1. *FBC, 2020 Edition Compliance Letter, dated September 28, 2021, issued by Engineered Glazing Systems, signed and sealed by Robert J. McCloy, P.E.*



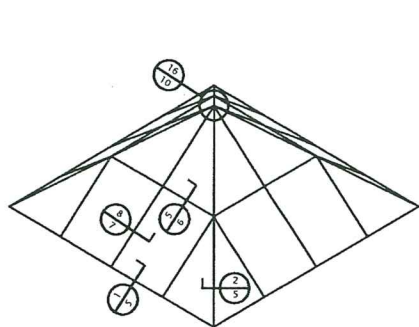
Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 22-1011.07
Expiration Date: 07/25/2024
Approval Date: 11/10/2022

Notes:

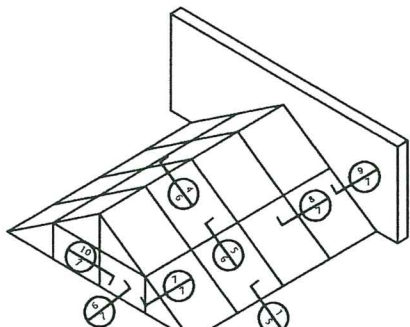
1. The skylight system indicated on these shop drawings has been verified for compliance in accordance with the 2017 Florida Building Code. Maximum design pressure +80psf and -80psf.
2. The skylight system may be installed in High Velocity Hurricane Zone.
3. These shop drawings are generic and do not provide information for site specific projects.
3. 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.
4. Design of the supporting structure shall take into account the loads being transferred from the skylight system (reactions) to the supporting structure.
5. The skylight system indicated on these shop drawings tested for large missile impact in accordance with TAS 201/202/203.
6. See sheet 4 of 12 of these shop drawings for glazing options
7. Aluminum in contact with dissimilar materials shall be protected in accordance with the Florida Building Code.

LARGE MISSILE

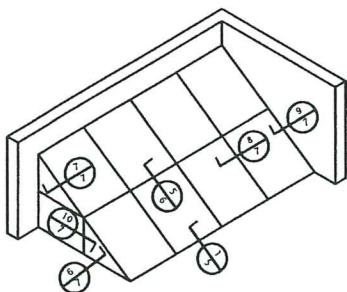
APPROVED FOR GLASS TYPE "C" ONLY



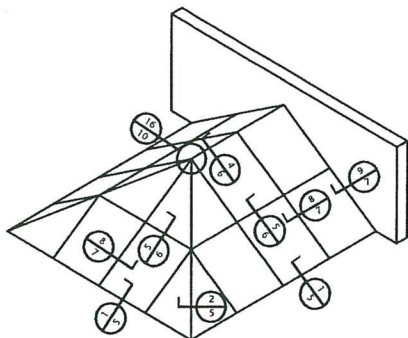
PYRAMID



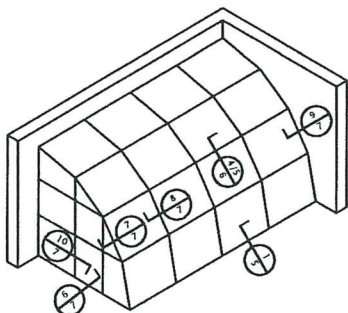
DOUBLE PITCH WITH GABLE



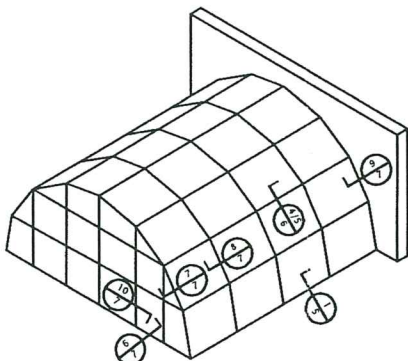
SINGLE PITCH WITH GABLE



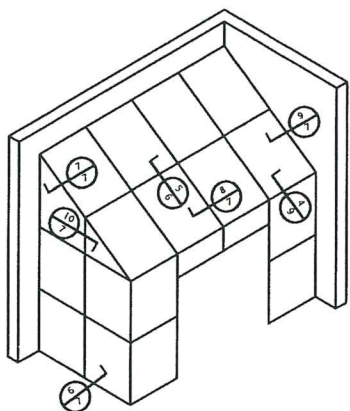
DOUBLE PITCH WITH HIP



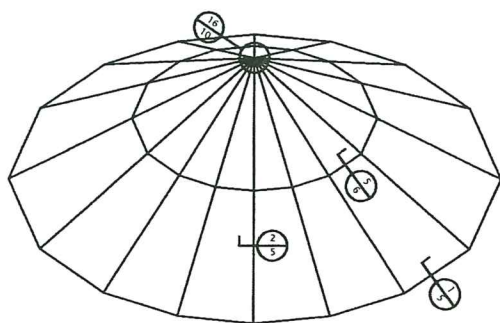
SEGMENTED BARRELL QUATER VAULT
WITH GABLE



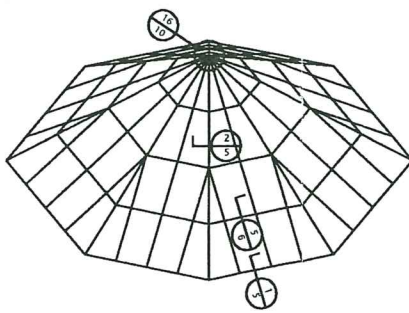
SEGMENTED BARRELL HALF VAULT
WITH GABLE



STRAIGHT EAVE LEAN-TO
WITH GABLE



POLYGON



POLYGON WITH JACK RAFTERS

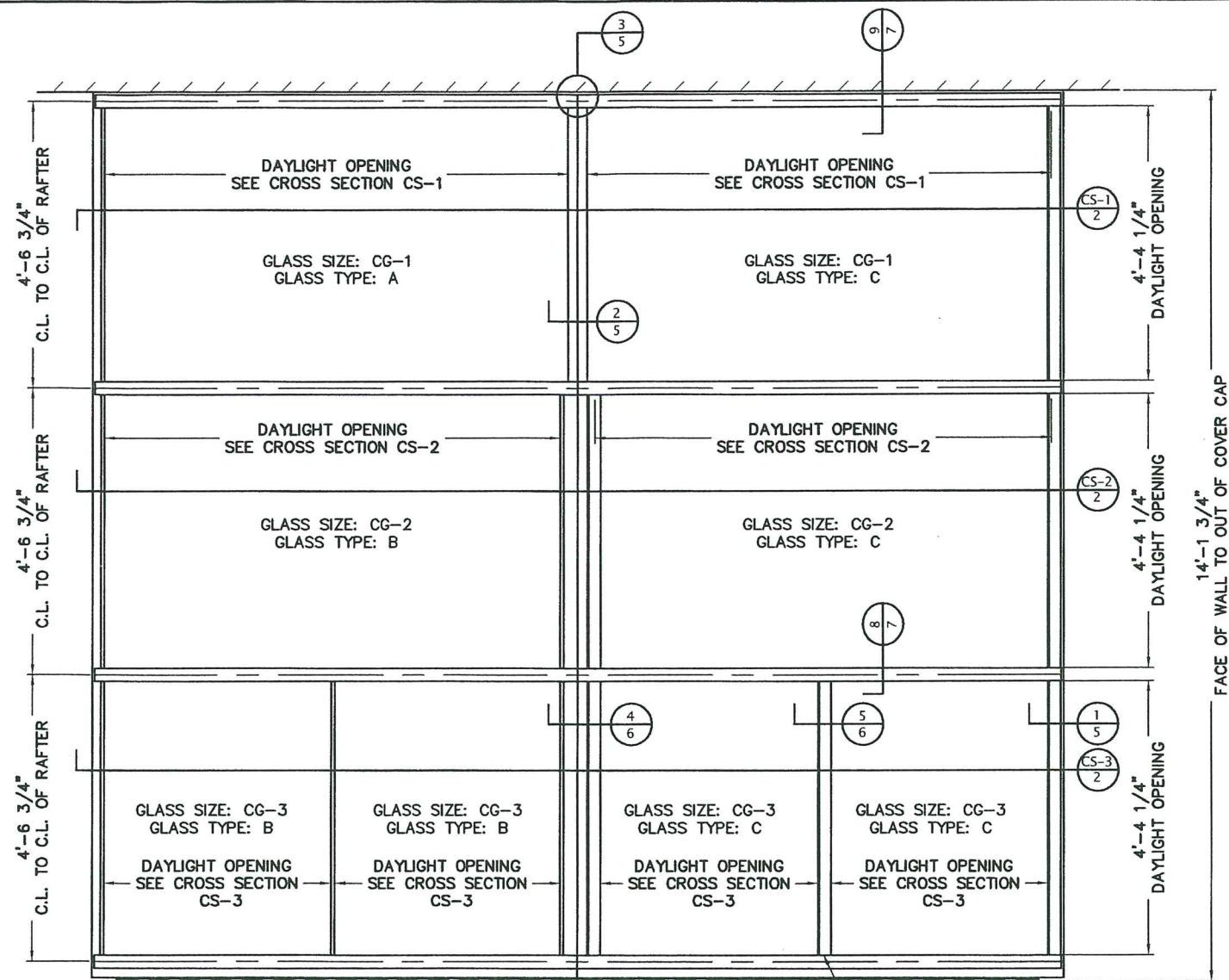
DADE COUNTY USE		ENGINEER/STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>22-1011.07</u> Expiration Date <u>07/25/2024</u> By <u>H. H. H. H.</u> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>16-0502.04</u> Expiration Date <u>07/25/2024</u> By <u>H. H. H. H.</u> Miami Dade Product Control	 No. 0030051 STATE OF FLORIDA PROFESSIONAL ENGINEER
SECURE SERIES		ENGINEER/STAMP
LARGE MISSILE		ENGINEER/STAMP
COVERSHEET		ENGINEER/STAMP

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SECURE SERIES
LARGE MISSILE
COVERSHEET

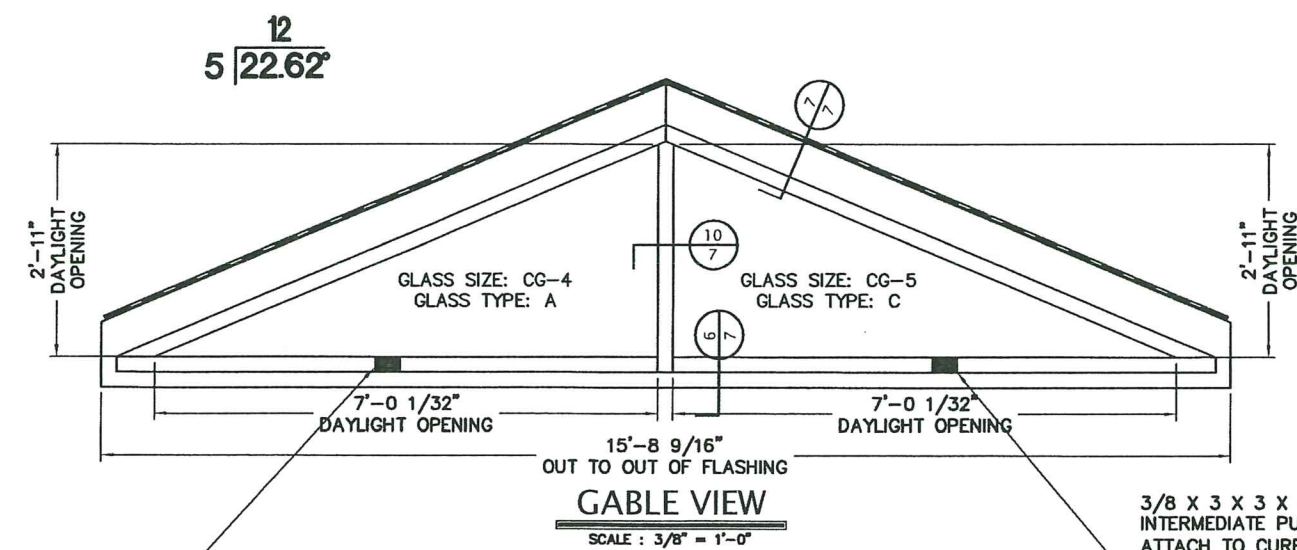
DATE: 2/3/10
SCALE: NONE
DRAWING FILE: 1 of 12



PLAN VIEW

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

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

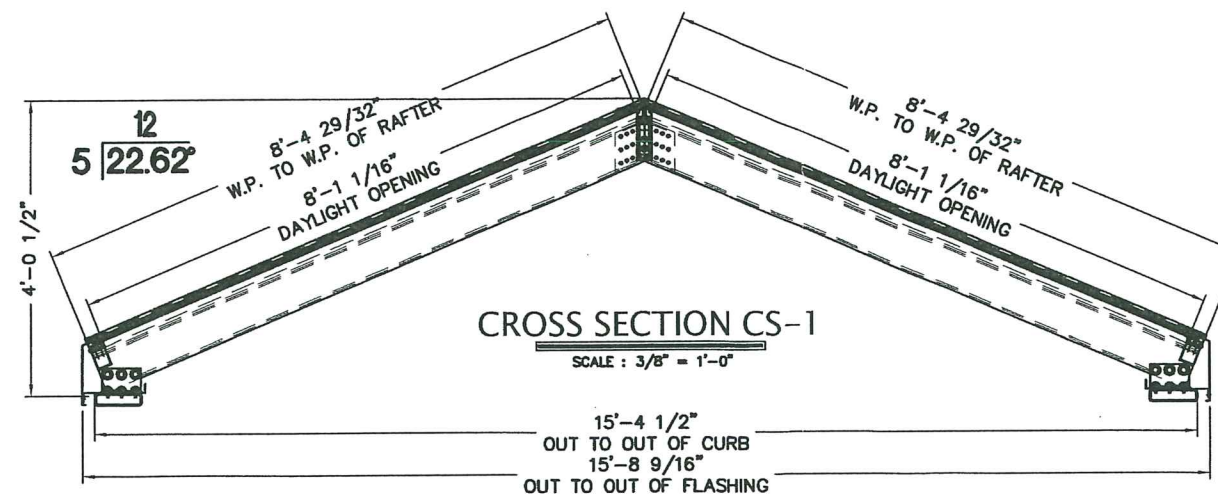


GABLE VIEW

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

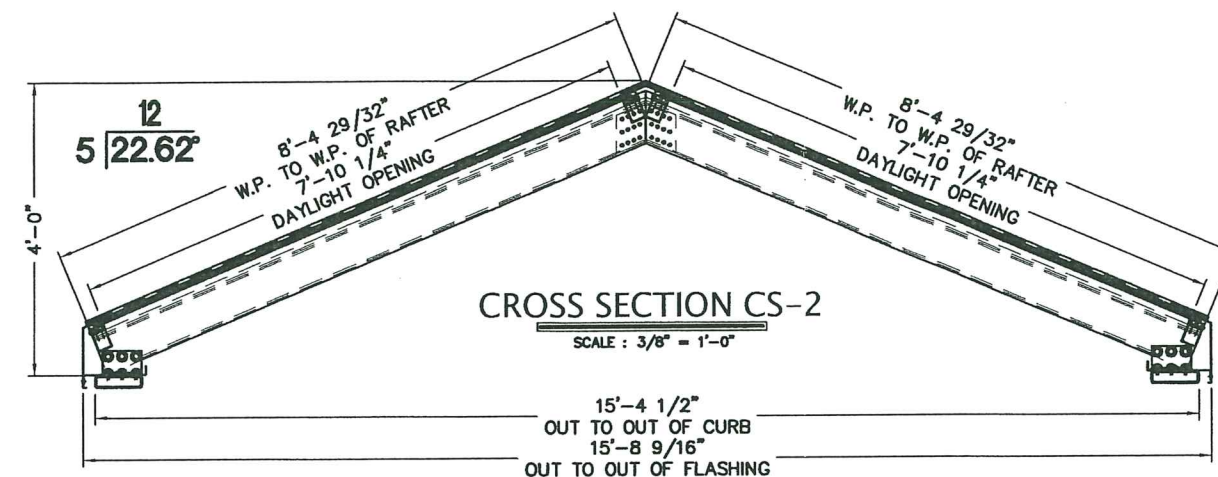
3/8 X 3 X 3 X 4 LONG INTERMEDIATE PURLIN SUPPORT ANGLE ATTACH TO CURB USING 1/2-13 HEX HD TAP BOLT DRILL AND TAP INTO STEEL ATTACH TO PURLIN USING (4) #12 X 1 H.W.H. TEK SCREWS QUANTITY, SIZE AND REQUIREMENT OF SUCH BASED ON SIZE AND GEOMTRY OF SKYLIGHT (NOT PART OF PRODUCT APPROVAL)

NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.



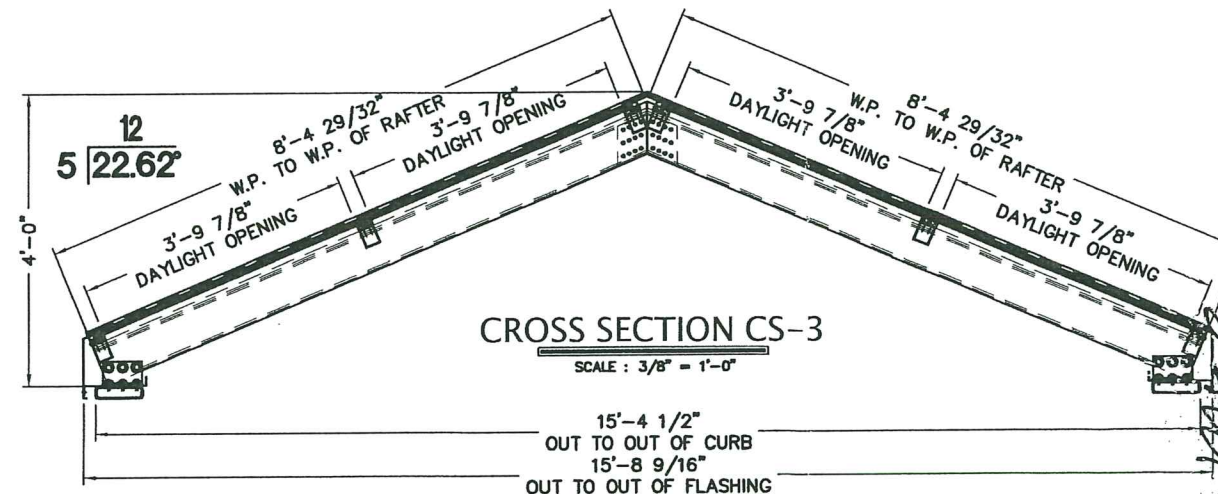
CROSS SECTION CS-1

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



CROSS SECTION CS-2

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



CROSS SECTION CS-3

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

DADE COUNTY USE		ENGINEER STAMP	
<p>PRODUCT REVISED as complying with the Florida Building Code</p> <p>Acceptance No 22-1011.07</p> <p>Expiration Date 07/25/2024</p> <p>By <i>H. G. A. Miller</i></p> <p>Miami Dade Product Control</p>		<p>PRODUCT REVISED as complying with the Florida Building Code</p> <p>Acceptance No 16-0502.01</p> <p>Expiration Date 07/25/2024</p> <p>By <i>H. G. A. Miller</i></p> <p>Miami Dade Product Control</p>	
<p>SECURE SERIES</p> <p>DOCUMENT NO. LMNOA-001</p> <p>DRAWN BY: K. MAZZIE</p> <p>CHECKED BY:</p> <p>DATE: 2/4/10</p> <p>SCALE: AS NOTED</p> <p>DRAWING FILE:</p>		<p>SECURE SERIES</p> <p>PRODUCT TYPE: LARGE MISSILE</p> <p>DRAWING TITLE: PLANS AND ELEVATIONS</p> <p>DATE: 2/4/10</p> <p>SCALE: AS NOTED</p> <p>DRAWING FILE:</p>	
2 of 12		2 of 12	

REV.	DATE	DESCRIPTION
1	4/28/16	UPDATED TO 2014 BUILDING CODE
2	8/10/19	UPDATED TO 2017 BUILDING CODE

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2/4/10

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SECURE SERIES

DOCUMENT NO. LMNOA-001

DRAWN BY: K. MAZZIE

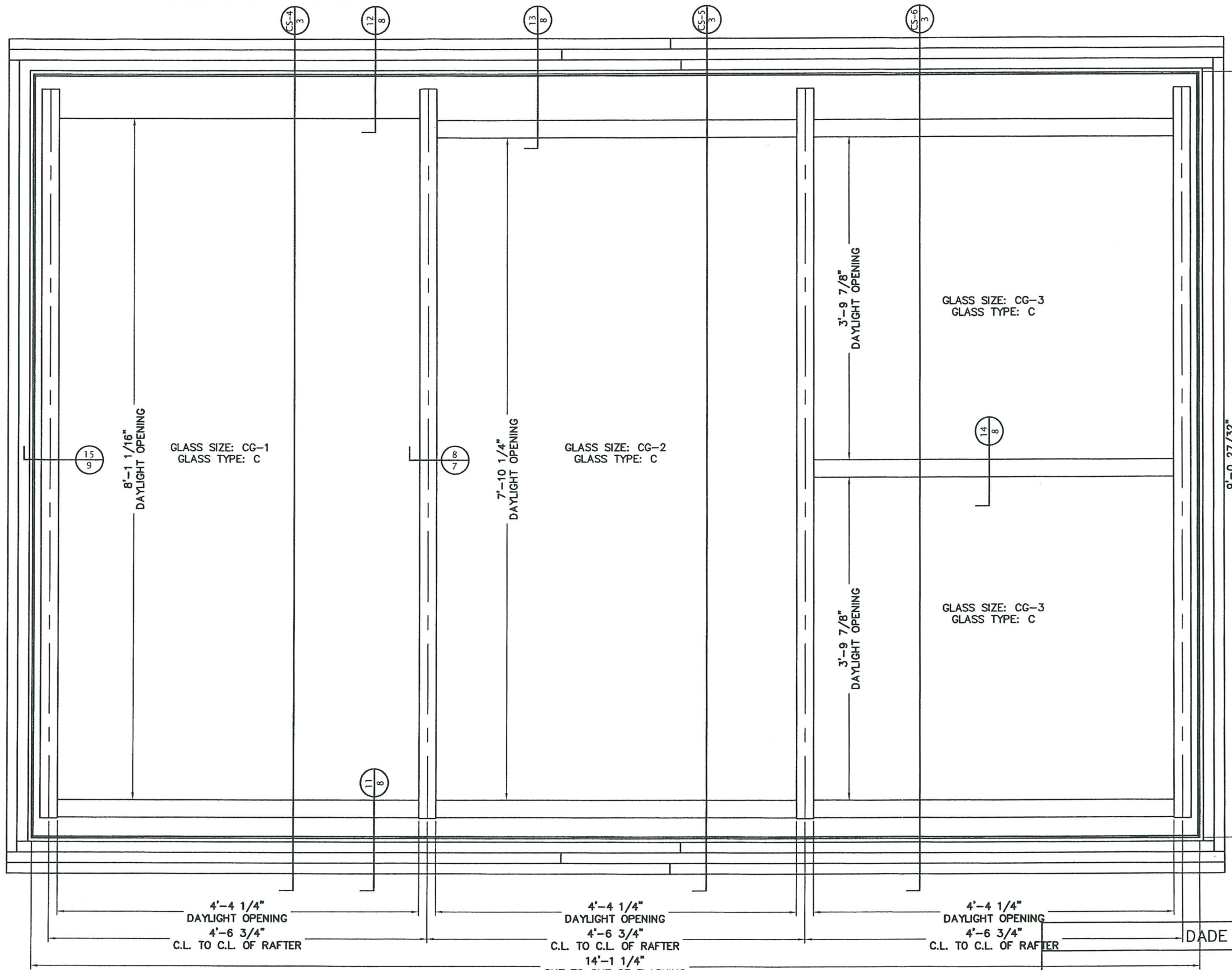
CHECKED BY:

DATE: 2/4/10

SCALE: AS NOTED

DRAWING FILE:

2 of 12



TEST SPECIMEN ELEVATION

SCALE : 3/4" = 1'-0"

NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.

9'-0 27/32"
OUT TO OUT OF FLASHING

9'-0 27/32"
OUT TO OUT OF FRAME
8'-1 1/16"
DAYLIGHT OPENING

9'-0 27/32"
OUT TO OUT OF FRAME
7'-10 1/4"
DAYLIGHT OPENING

9'-0 27/32"
OUT TO OUT OF FRAME
3'-9 7/8"
DAYLIGHT OPENING

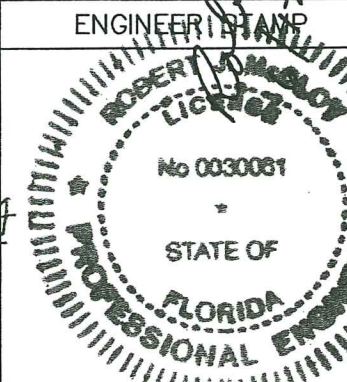
CS-4
SCALE : 3/4" = 1'-0"

CS-5
SCALE : 3/4" = 1'-0"

SCALE : 3/4" = 1'-0"

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By *H. G. A. Miller*
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Building Code
Acceptance No. 16-0502.04
Expiration Date 07/25/2024
By *H. G. A. Miller*
Miami Dade Product Control



SECURE SERIES

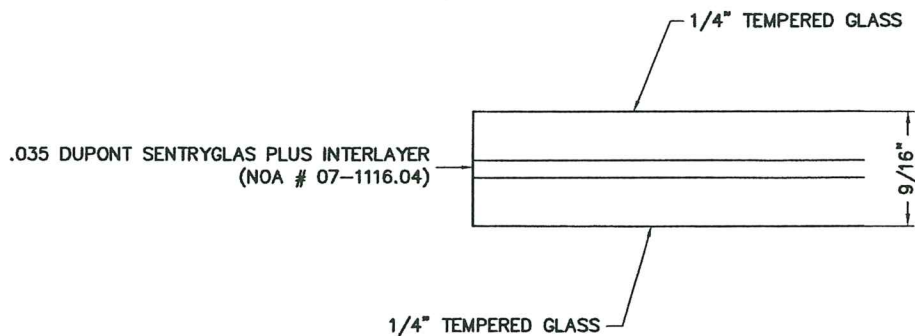
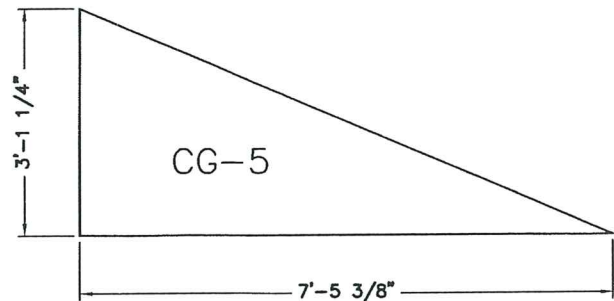
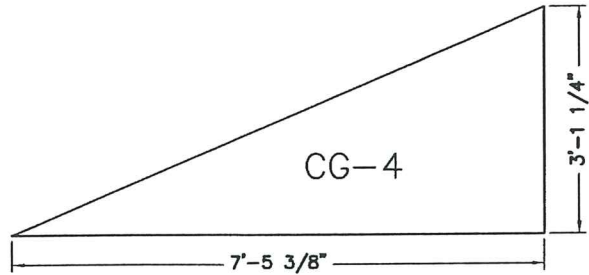
LARGE MISSILE

PLANS AND ELEVATIONS

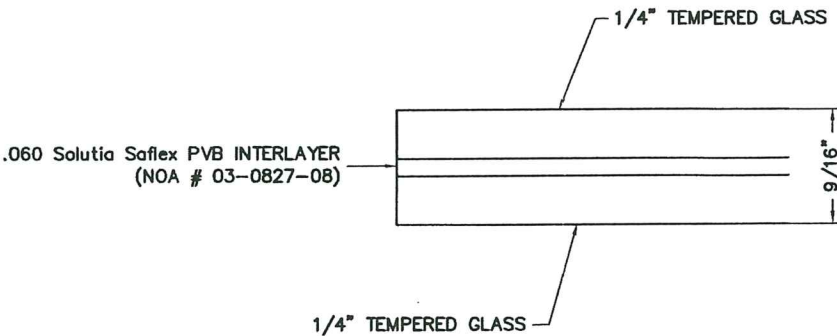
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REV.	BY:	DATE:	DESCRIPTION:
Δ	K.M.	8/10/19	UPDATED TO 2017 BUILDING CODE
Δ	K.M.	4/28/16	UPDATED TO 2014 BUILDING CODE

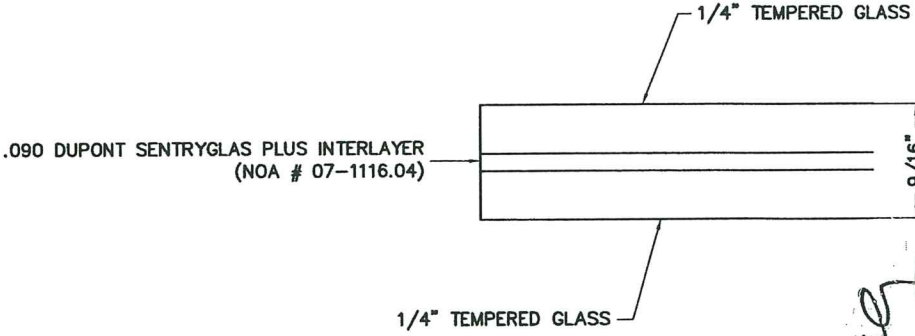
	SIZE
CG-1	54 x 99
CG-2	54 x 96
CG-3	54 x 49 5/8
CG-4	SEE PATTERN
CG-5	SEE PATTERN



GLASS TYPE A
NOT APPROVED FOR LARGE MISSILE IMPACT
(APPROVED FOR SMALL MISSILE IMPACT)
(UNDER SEPARATE NOA)



GLASS TYPE B
NOT APPROVED FOR LARGE MISSILE IMPACT
(APPROVED FOR SMALL MISSILE IMPACT)
(UNDER SEPARATE NOA)



GLASS TYPE C
APPROVED FOR LARGE MISSILE IMPACT

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

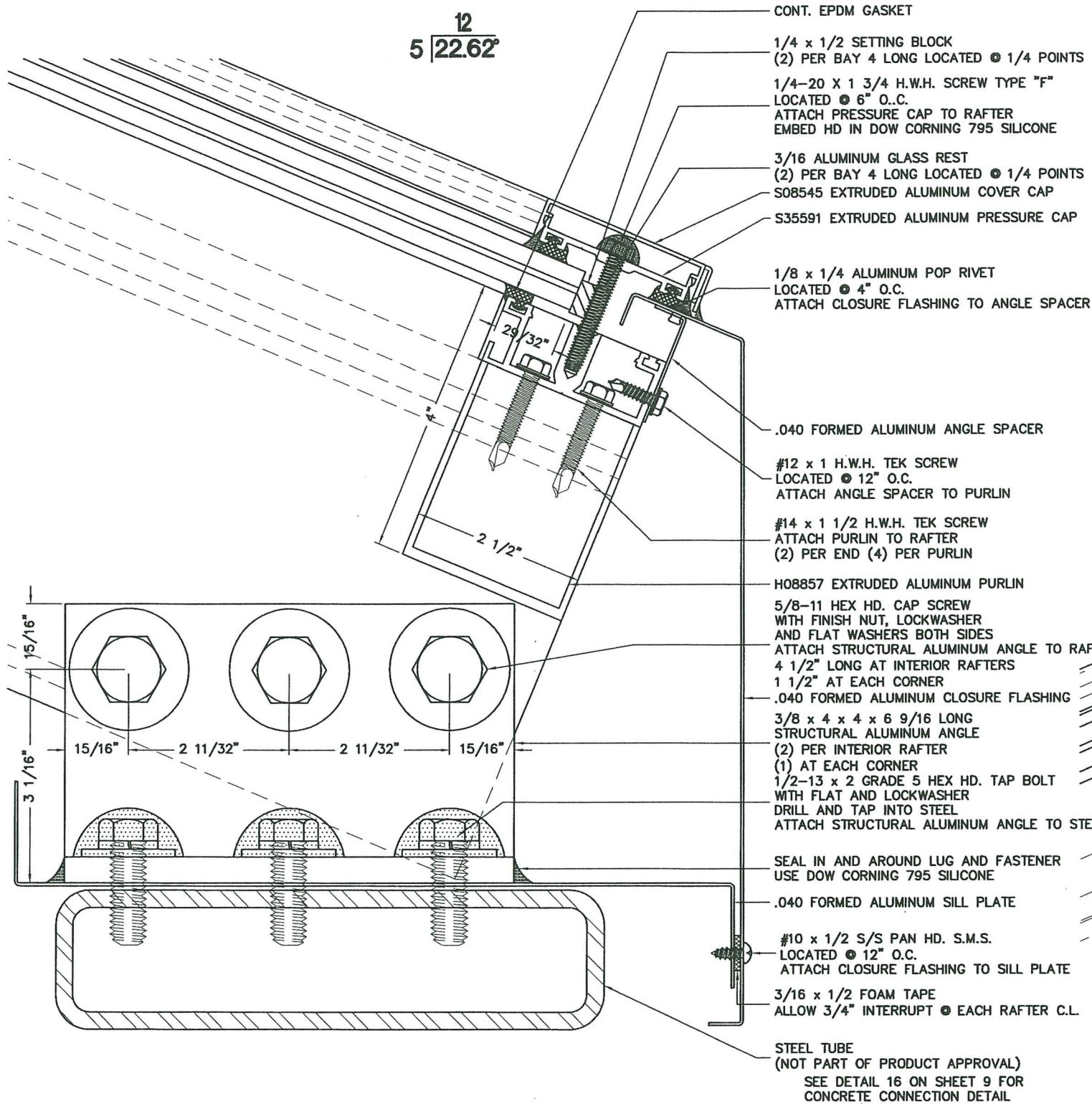
DADE COUNTY USE		ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011.07 Expiration Date 07/25/2024 By <i>Heidi A. Miller</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0502.04 Expiration Date 07/25/2024 By <i>Heidi A. Miller</i> Miami Dade Product Control	 SECURE SERIES LARGE MISSILE GLAZING
DATE: 2/4/10 SCALE: NONE DRAWING FILE:		SHEET 4 of 12

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Beverly, FL 33403
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2/4/10

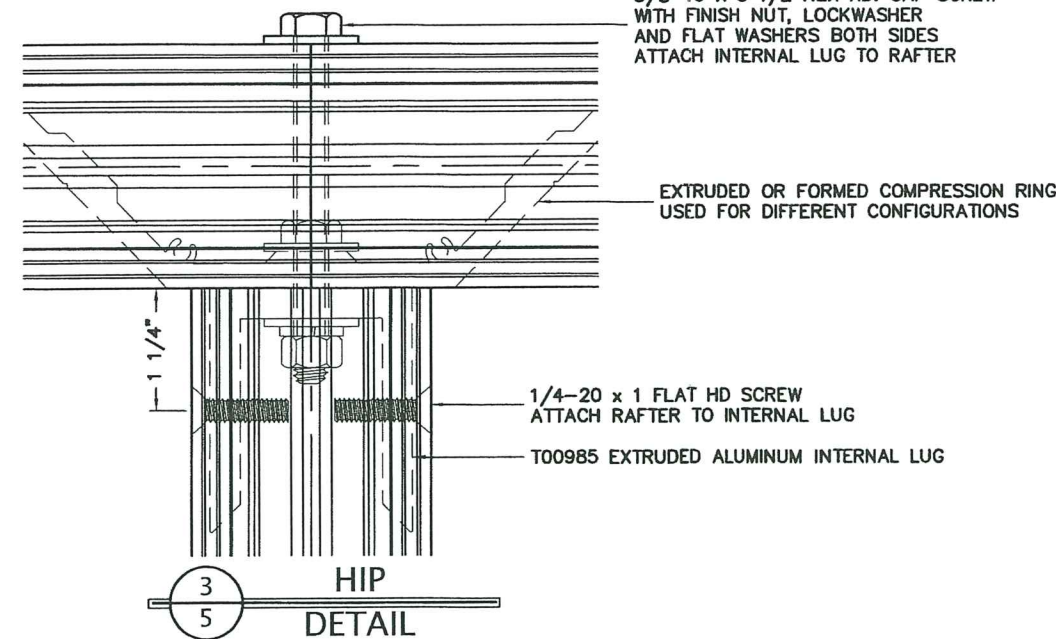
REV.	BY:	DATE:	DESCRIPTION:
Δ	K.M.	4/28/16	UPDATED TO 2014 BUILDING CODE
Δ	K.M.	6/10/19	UPDATED TO 2017 BUILDING CODE

12
5 22.62

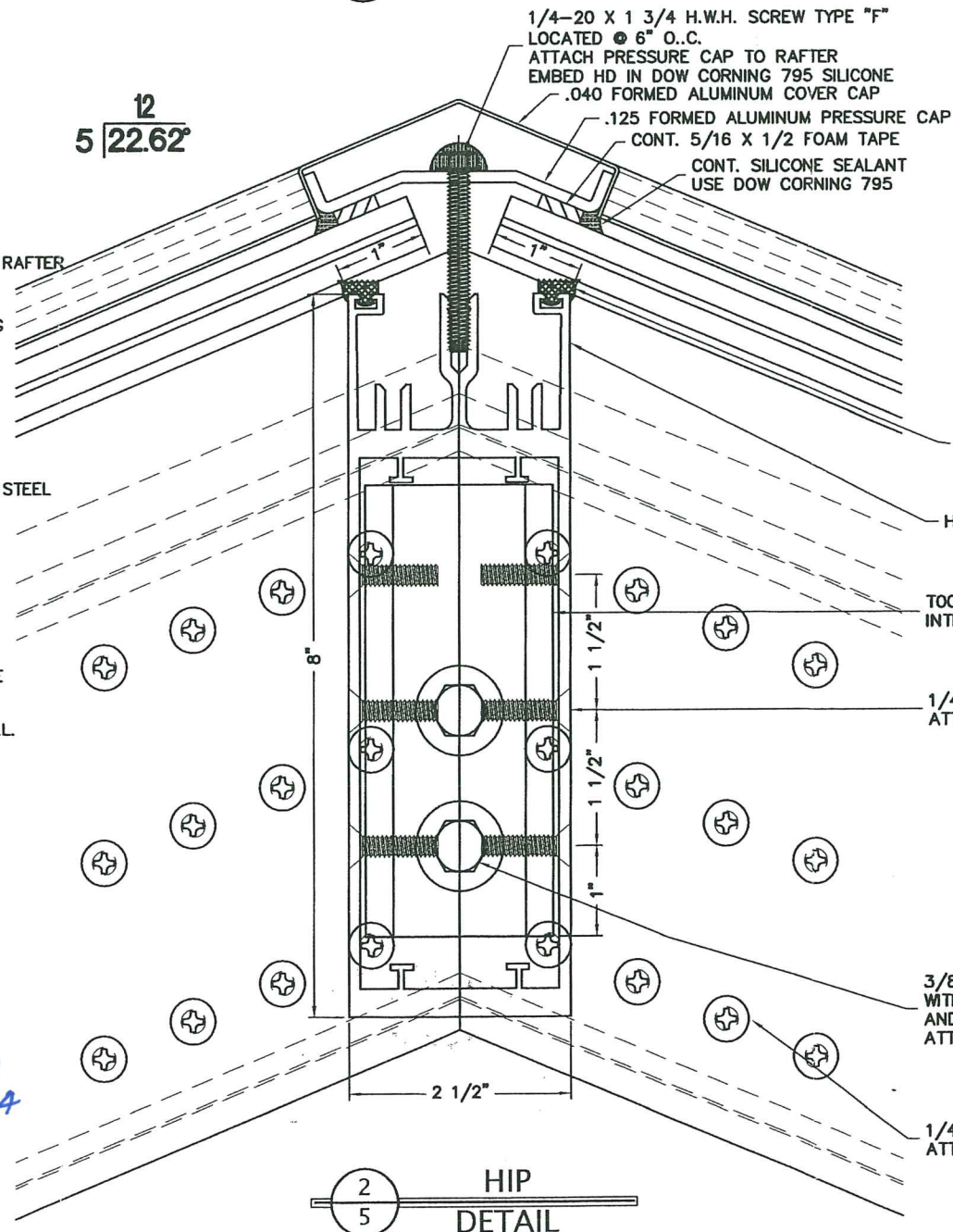


1
5 SILL
DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 22-1011-07
Expiration Date 07/25/2024
By H. G. A. M. W.
Miami Dade Product Control



12
5 22.62



NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.

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Acceptance No. 16-0502.04
Expiration Date 07/25/2024
By H. G. A. M. W.
Miami Dade Product Control

DADE COUNTY USE

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

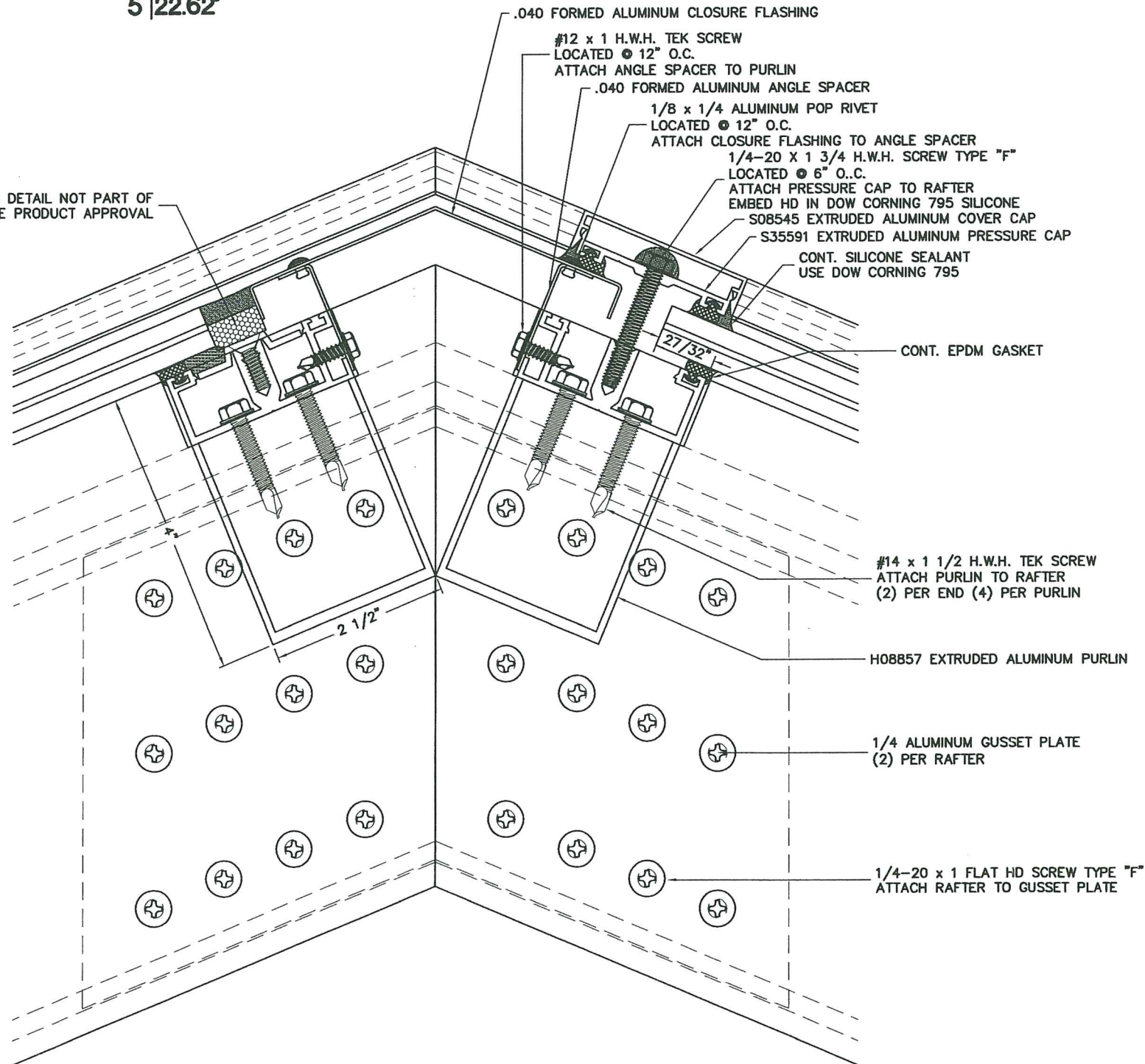
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

acurcite
engineering light
Acurcite Structural Skylights Inc.
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Beverly, FL 33403
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sales@acurcite.com

SECURE SERIES
LARGE MISSILE
DETAILS
DATE: 2/4/10
SCALE: HALF
DRAWING FILE:
SHEET
5 of 12

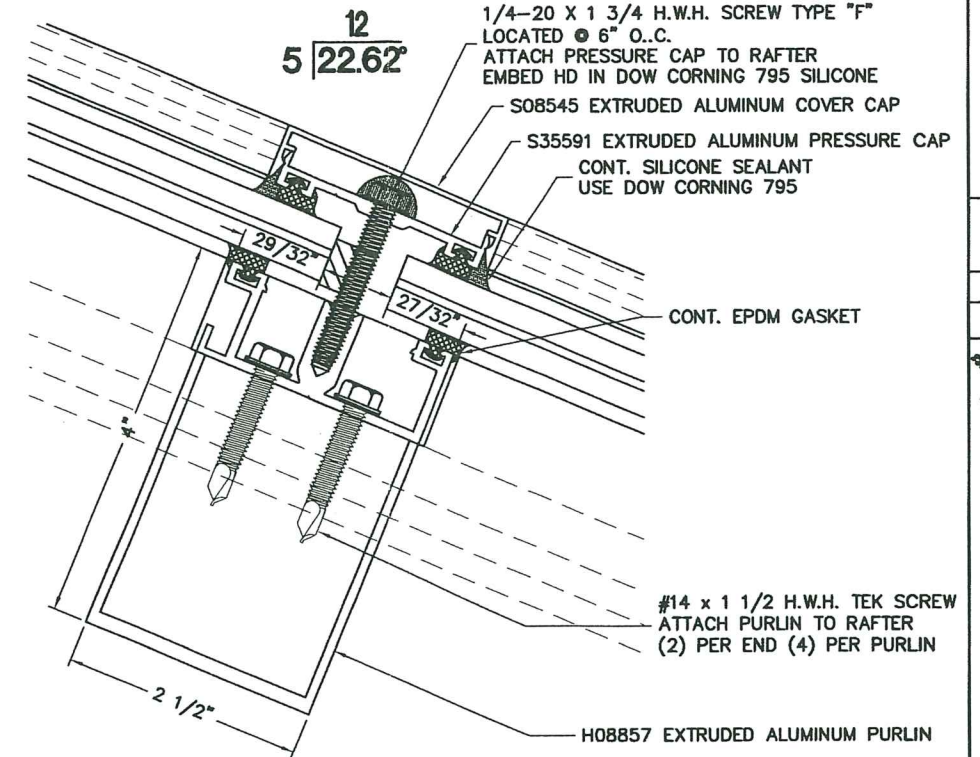
12
5 22.62

THIS DETAIL NOT PART OF
LARGE MISSILE PRODUCT APPROVAL



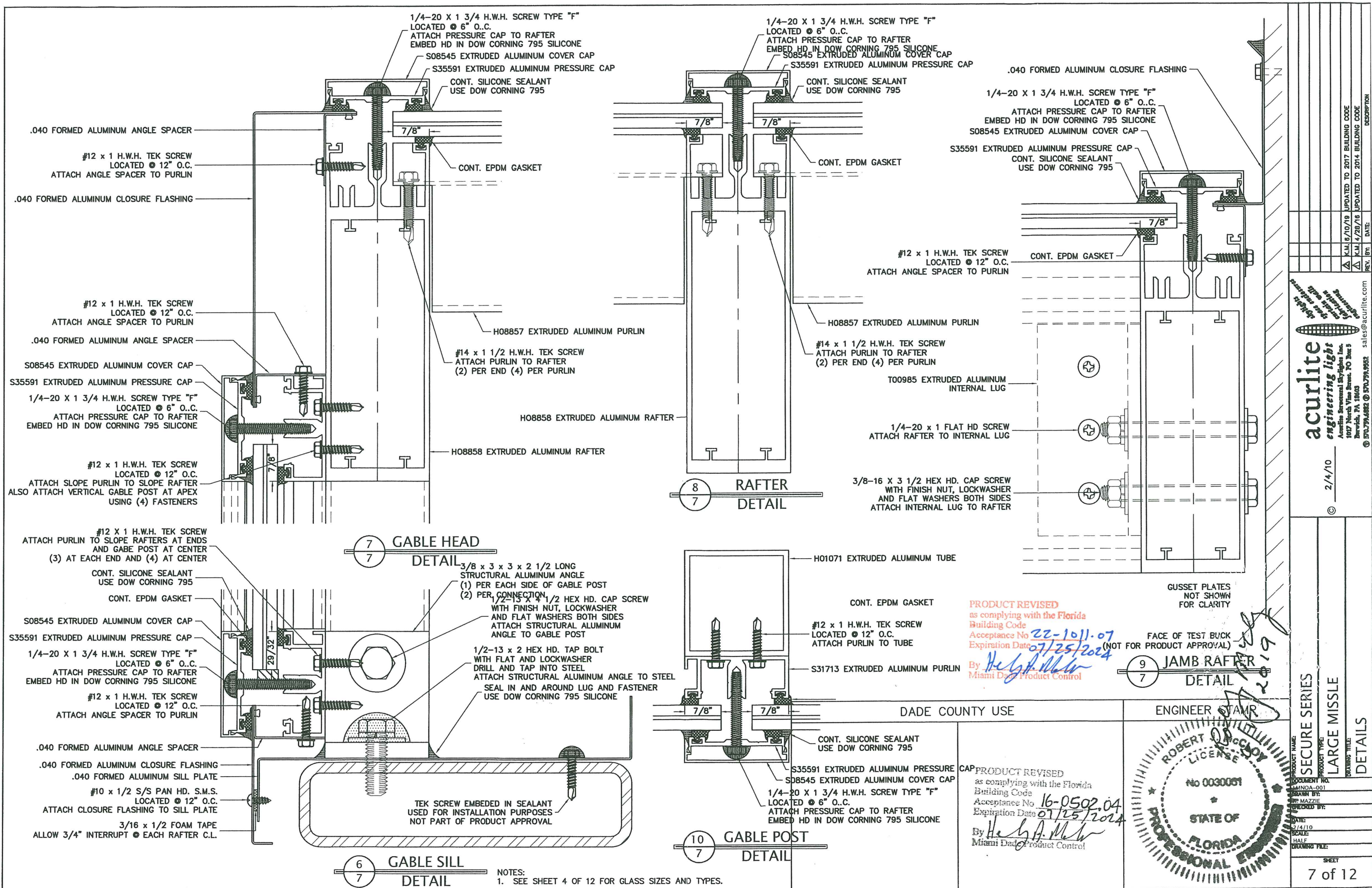
4
6 RIDGE/KNEE
DETAIL

NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.

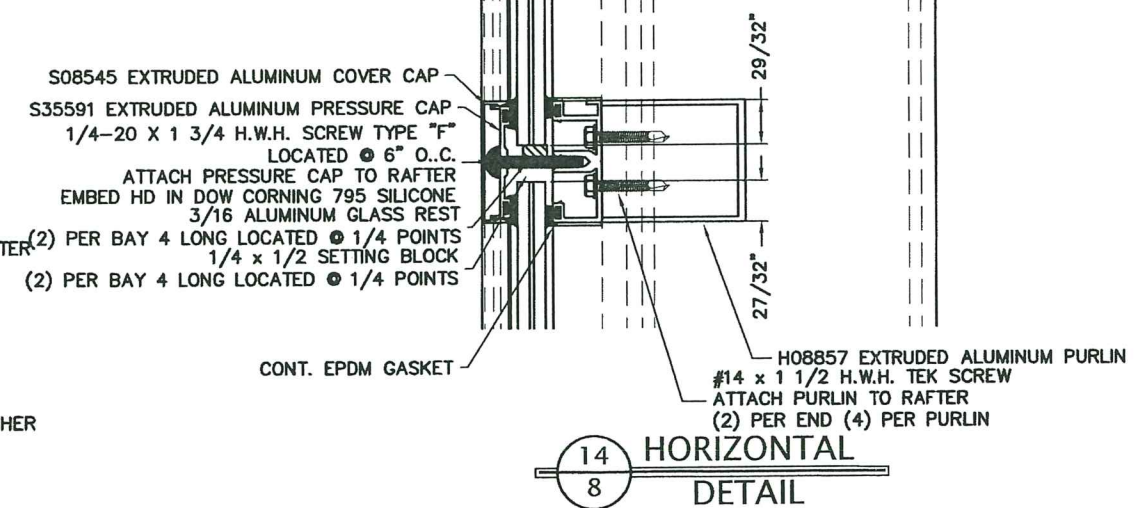
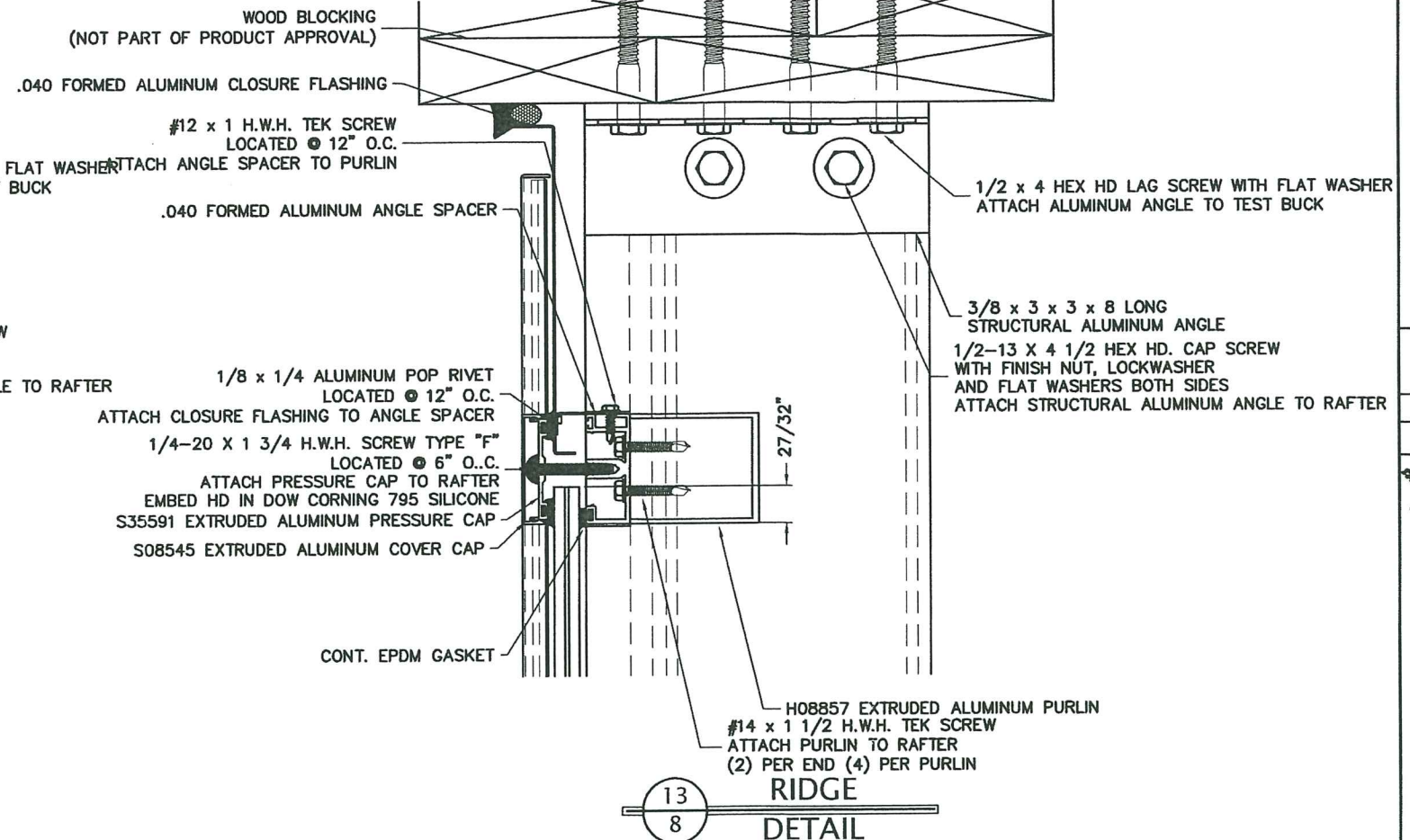
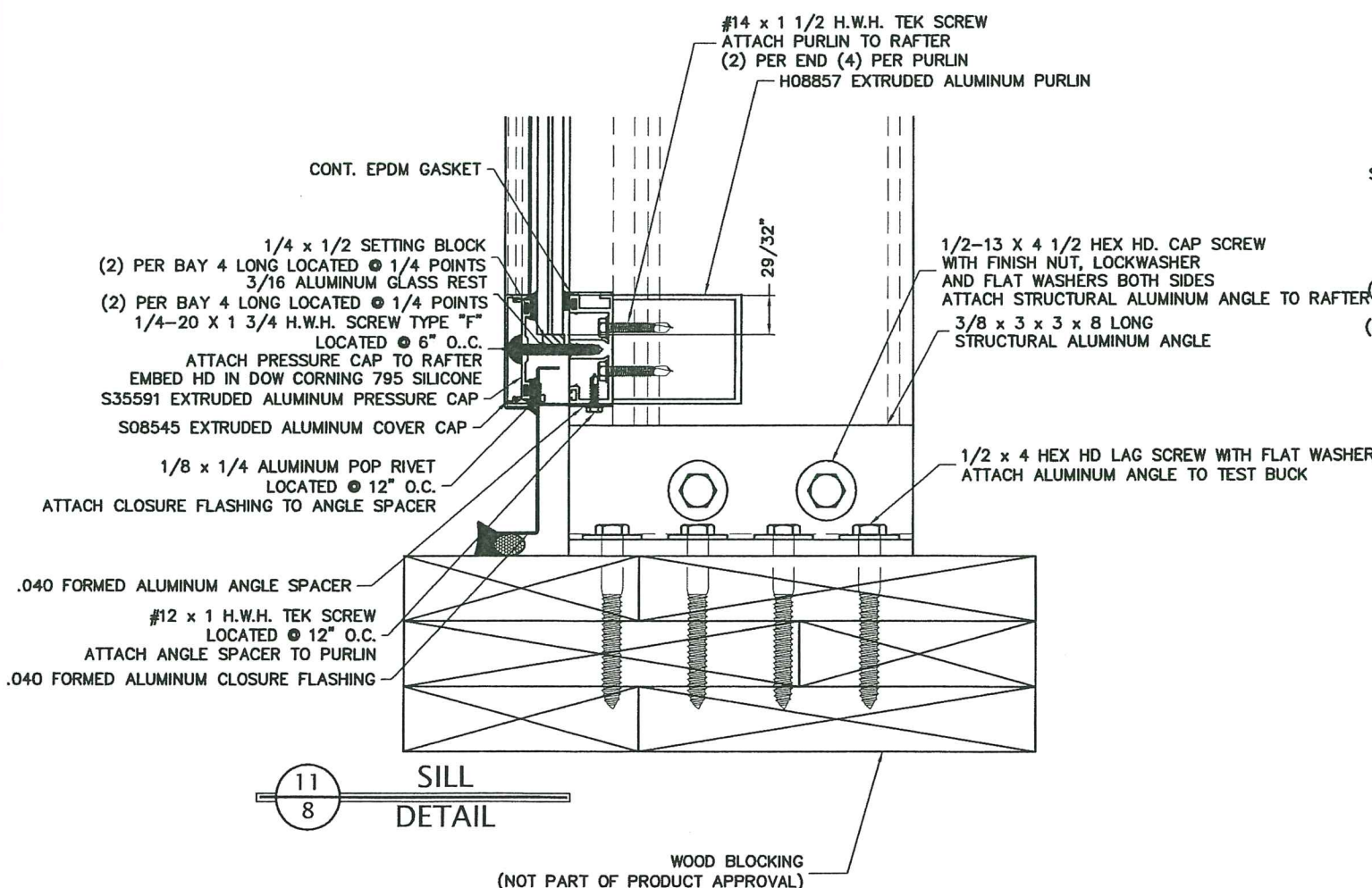
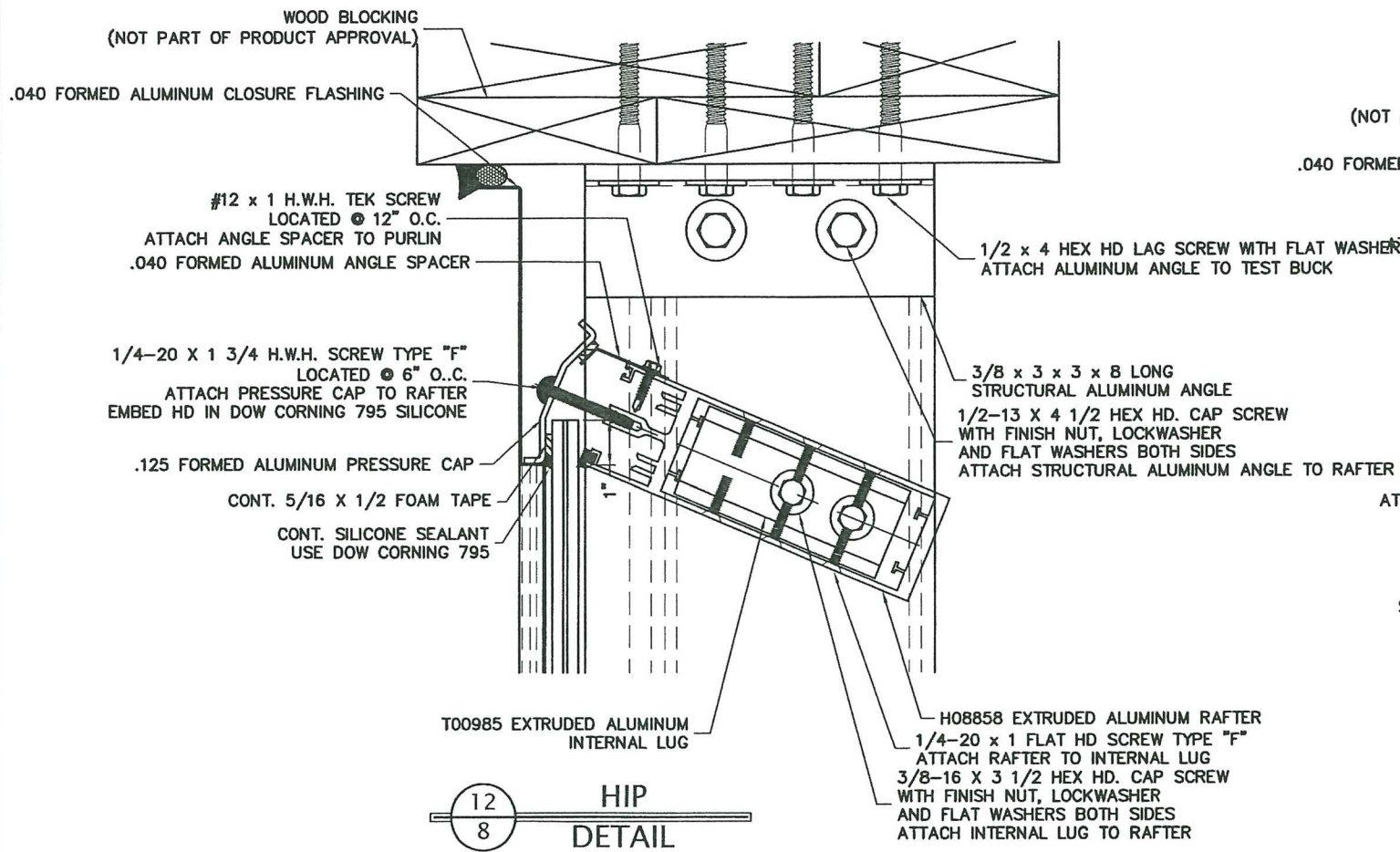


5
6 HORIZONTAL
DETAIL

DADE COUNTY USE		ENGINEER STAMP
<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011-07 Expiration Date 07/25/2024 By <i>H. G. A. Miller</i> Miami Dade Product Control</p>		<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0502-04 Expiration Date 07/25/2024 By <i>H. G. A. Miller</i> Miami Dade Product Control</p>
		<p>ROBERT A. MCGLOTHLIN LICENSE No. 6030001 STATE OF FLORIDA PROFESSIONAL ENGINEER</p>
SECURE SERIES		GLAZING
LARGE MISSILE		
DATE: 2/4/10		
SCALE: HALF		
DRAWING FILE:		
SHEET		
6 of 12		



NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.



NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.

DADE COUNTY USE		ENGINEER STAMP	
<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011.07 Expiration Date 07/25/2024</p> <p>By <i>He G. A. M.</i> Miami Dade Product Control</p>		<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0502.04 Expiration Date 07/25/2024</p> <p>By <i>He G. A. M.</i> Miami Dade Product Control</p>	
<p>SECURE SERIES LARGE MISSILE DETAILS</p>		<p>STATE OF FLORIDA PROFESSIONAL ENGINEER</p>	
<p>DATE: 2/4/10 SCALE: QUATER DRAWING FILE:</p>		<p>DATE: 2/4/10 SCALE: QUATER DRAWING FILE:</p>	
<p>SHEET 8 of 12</p>		<p>SHEET 8 of 12</p>	

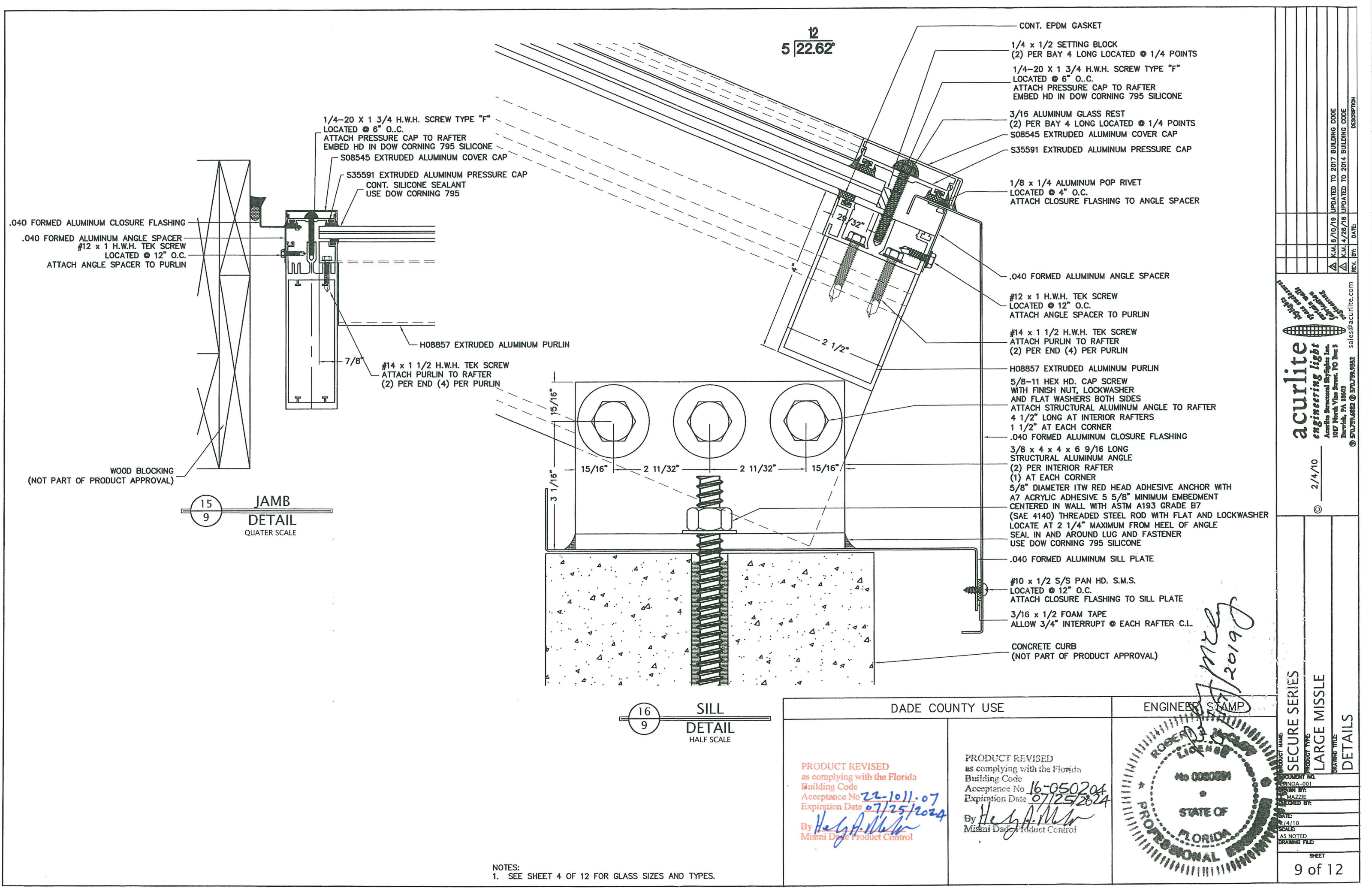
acurite
engineering light
Acrylic Structural Styrofoam Inc.
1027 North Yule Street, PO Box 5
Beverly, FL 33603
© 2010 acurite.com

2/4/10

REV. BY: DATE: DESCRIPTION

REV. 1: 4/28/18 UPDATED TO 2014 BUILDING CODE

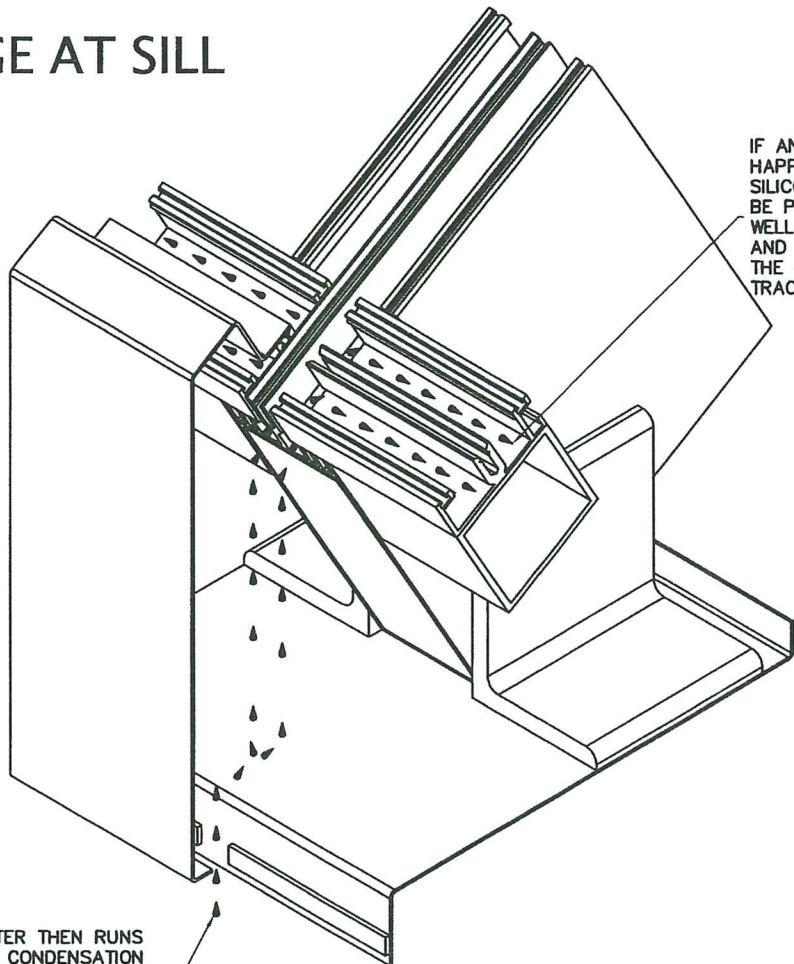
REV. 2: 6/10/19 UPDATED TO 2017 BUILDING CODE



NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.

DADE COUNTY USE		ENGINEER STAMP
<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 16-050204 Expiration Date 07/25/2024 By <i>H. G. A. Miller</i> Miami Dade Product Control</p>		<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 16-050204 Expiration Date 07/25/2024 By <i>H. G. A. Miller</i> Miami Dade Product Control</p>
		<p>SECURE SERIES LARGE MISSILE DETAILS</p>
		<p>DATE: 2/4/10 SCALE: AS NOTED DRAWING FILE: 9 of 12</p>

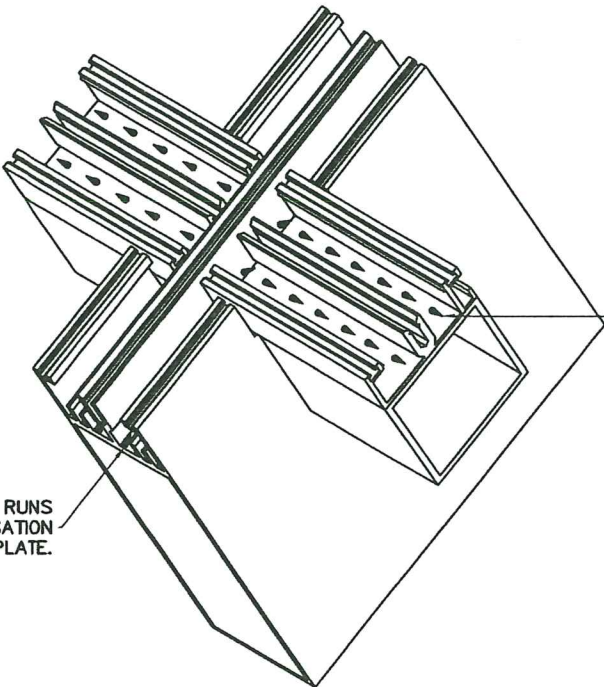
WEEPAGE AT SILL



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.

THE WATER THEN RUNS DOWN THE CONDENSATION TRACK ONTO THE SILL PLATE. FROM HERE IT WILL WORK ITS WAY FORWARD TO THE EDGE OF THE SILL PLATE AND DRAIN AT THE 3/4" VOID IN THE SPONGE GASKET. VOID FILLED WITH 30 PPI WEEP BAFFLE.

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.

THE WATER THEN RUNS DOWN THE CONDENSATION TRACK TO THE SILL PLATE.

EXTRUDED ALUMINUM COMPRESSION RING

3/8-16 X 1 1/2 HEX HD. TAP BOLT WITH FINISH NUT, LOCKWASHER AND FLAT WASHERS BOTH SIDES ATTACH INTERNAL LUG TO COMPRESSION RING

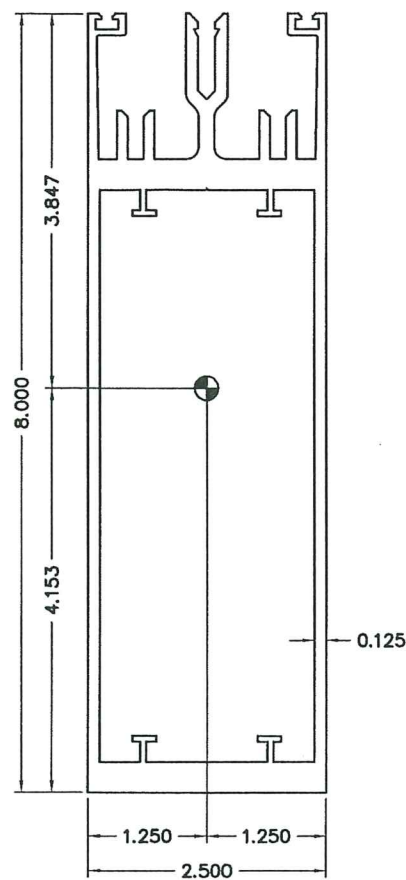
T00985 EXTRUDED ALUMINUM INTERNAL LUG

1/4-20 X 1 FLAT HD SCREW TYPE "F" ATTACH RAFTER TO INTERNAL LUG

16 COMP. RING
10 DETAIL

NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.

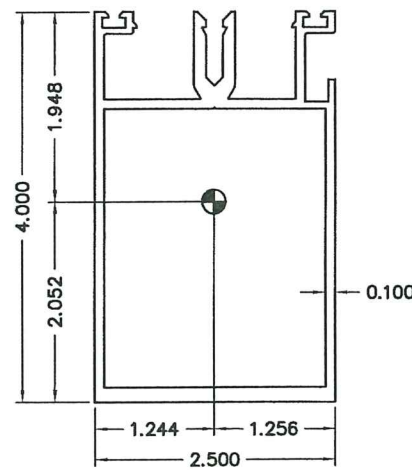
DADE COUNTY USE		ENGINEER'S SEAL
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011-07 Expiration Date 07/25/2024 By <i>Heidi A. Miller</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0502-04 Expiration Date 07/25/2024 By <i>Heidi A. Miller</i> Miami Dade Product Control	 ROBERT J. MAZZIE No. 60808 STATE OF FLORIDA PROFESSIONAL ENGINEER
SECURE SERIES		ENGINEERING light
LARGE MISSILE		10 of 12
DETAILS		



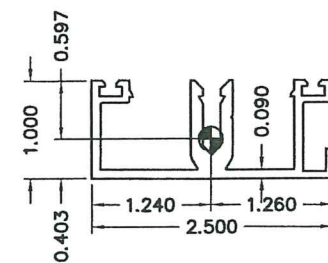
Area: 4.0777
Perimeter: 54.9115
Bounding box: X: -1.2500 -- 1.2500
Y: -4.1528 -- 3.8472
Moments of inertia: X: 31.3863
Y: 3.5664
Product of inertia: XY: 0.0000
Radii of gyration: X: 2.7743
Y: 0.9352
Principal moments and X-Y directions about centroid:
I: 3.5664 along [0.0000 1.0000]
J: 31.3863 along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



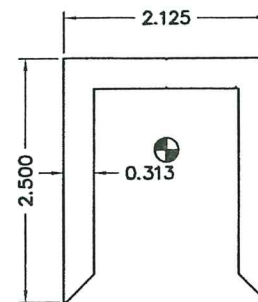
Area: 0.2110
Perimeter: 7.5289
Bounding box: X: -1.2500 -- 1.2500
Y: -0.4392 -- 0.1228
Moments of inertia: X: 0.0049
Y: 0.1783
Product of inertia: XY: 0.0000
Radii of gyration: X: 0.1527
Y: 0.9191
Principal moments and X-Y directions about centroid:
I: 0.0049 along [1.0000 0.0000]
J: 0.1783 along [0.0000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



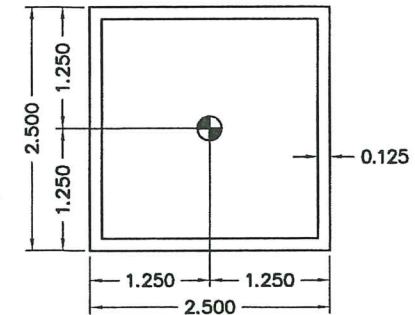
Area: 1.6983
Perimeter: 31.2602
Bounding box: X: -1.2438 -- 1.2562
Y: -2.0520 -- 1.9480
Moments of inertia: X: 3.4266
Y: 1.4491
Product of inertia: XY: -0.0162
Radii of gyration: X: 1.4204
Y: 0.9237
Principal moments and X-Y directions about centroid:
I: 1.4489 along [0.0082 -1.0000]
J: 3.4267 along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



Area: 0.7307
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



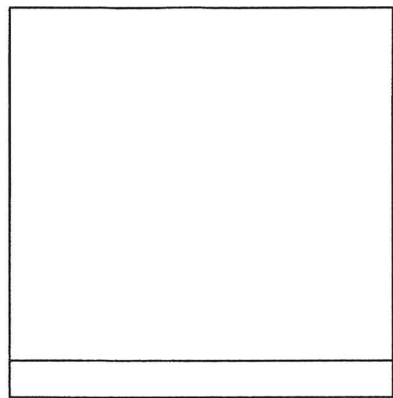
DADE COUNTY USE		ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011-07 Expiration Date 07/25/2024 By Heba M. Al-Mur Miami Data Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0502-04 Expiration Date 07/25/2024 By Heba M. Al-Mur Miami Data Product Control	 SECURE SERIES LARGE MISSILE BILL OF MATERIALS

NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.

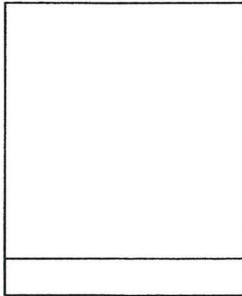
REV.	BY	DATE	DESCRIPTION
1	K.M.	8/10/19	UPDATED TO 2017 BUILDING CODE
2	K.M.	4/28/18	UPDATED TO 2014 BUILDING CODE

acurite
engineering light
Acurite Structural Systems, Inc.
1027 North Vero Street, PO Box 5
Brevard, FL 32935
© 2019 acurite.com

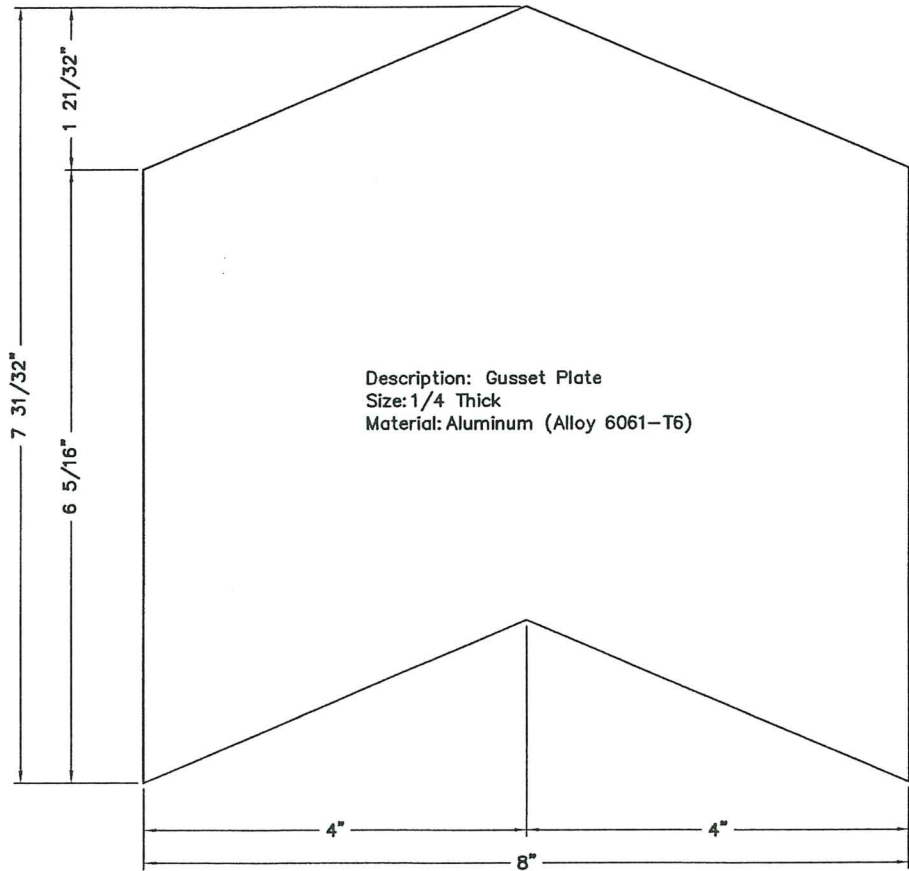
2/4/10	©
SECURE SERIES	PRODUCT TYPE
LARGE MISSILE	PRODUCT NAME
BILL OF MATERIALS	DRAWING TITLE
11 of 12	SHEET



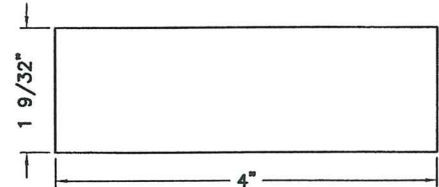
Description: Structural Aluminum Angle
Size: 3/8 x 4 x 4
Material: Aluminum (Alloy 6061-T6)



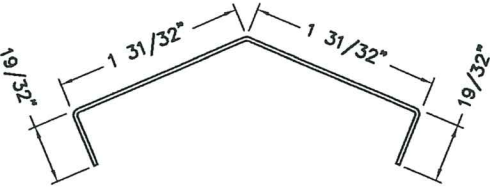
Description: Structural Aluminum Angle
Size: 3/8 x 3 x 3
Material: Aluminum (Alloy 6061-T6)



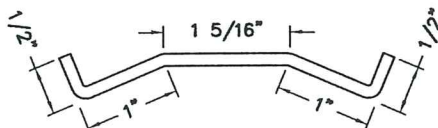
Description: Gusset Plate
Size: 1/4 Thick
Material: Aluminum (Alloy 6061-T6)



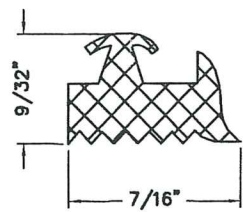
Description: Glass Rest
Size: 3/16 Thick
Material: Aluminum (Alloy 6061-T6)



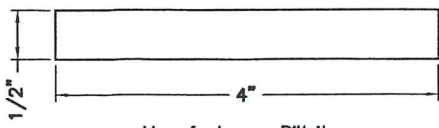
Description: Formed Cover Cap
Size: .040 Thick
Material: Aluminum (Alloy 3003)



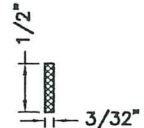
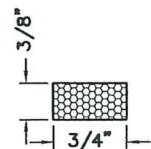
Description: Formed Pressure Cap
Size: .125 Thick
Material: Aluminum (Alloy 3003)



Manufacturer: Elbex
Description: Gasket
Material: EPDM Rubber



Manufacturer: Biltrite
Description: Setting Block
Material: Neoprene



Description: 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



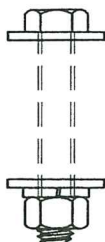
Description: Flat Head Screw Type "F" (F.H.S. Type "F")
Size: 1/4-20 x Varies
Material: SAE Grade 2 Steel



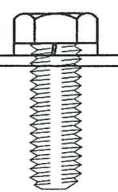
Description: Hex Washer Head Tek Screw (H.W.H. Tek Screw)
Size: #14 x 1 1/2
Material: SAE Grade 2 Steel



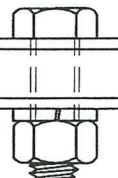
Description: Hex Washer Head Screw Type "F" (H.W.H. Screw Type "F")
Size: 1/4-20 x 1 3/4
Material: SAE Grade 2 Steel



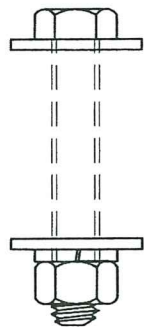
Description: Hex Head Cap Screw with Finish Nut, Flat Washers and Lockwasher
Size: 3/8-16 x 4 1/2
Material: ASTM Grade 2 Steel



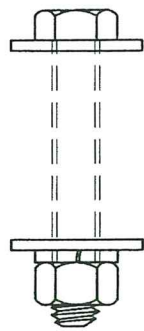
Description: Hex Head Tap Bolt with Flat Washer and Lockwasher
Size: 1/2-13 x 2
Material: ASTM A449 Grade 5



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 4 OF 12 FOR GLASS SIZES AND TYPES.

DADE COUNTY USE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 22-1011-07
Expiration Date 07/25/2024
By *Heidi A. Mah*
Miami Dade Product Control

ENGINEER STAMP

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0502-04
Expiration Date 07/25/2024
By *Heidi A. Mah*
Miami Dade Product Control

SECURE SERIES

ENGINEERING light

2/4/10

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DADE COUNTY

FLORIDA

PROFESSIONAL ENGINEER

12 of 12