



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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

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 and renews** NOA #22-1011.07 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
08/15/24

NOA No. 24-0729.05
Expiration Date: 07/25/2029
Approval Date: 08/15/2024
Page 1

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

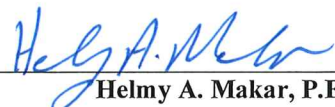
1. *None.*

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. 24-0729.05
Expiration Date: 07/25/2029
Approval Date: 08/15/2024

Acurlite Structural Skylights, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #22-1011.07**
- 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.*
- 4. 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, 2023 Edition Compliance Letter, dated July 01, 2024, issued by Engineered Glazing Systems, signed and sealed by Robert J. McCloy, P.E.*



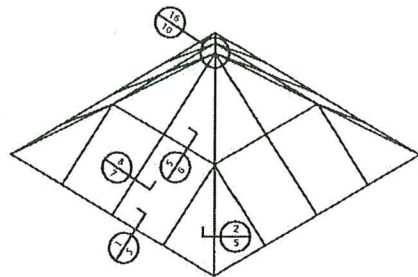
Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0729.05
Expiration Date: 07/25/2029
Approval Date: 08/15/2024

Notes:

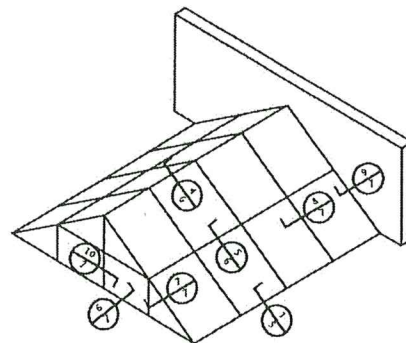
1. The skylight system indicated on these shop drawings has been verified for compliance in accordance with the 2017 Florida Building Code. Maximum design pressure +80psf and -80psf.
2. The skylight system may be installed in High Velocity Hurricane Zone.
3. These shop drawings are generic and do not 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

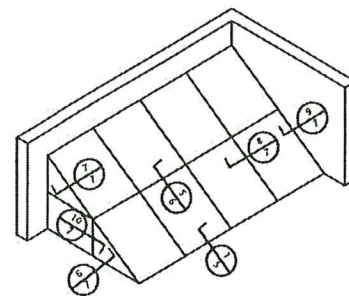
APPROVED FOR GLASS TYPE "C" ONLY



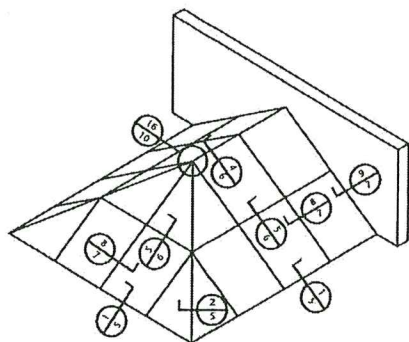
PYRAMID



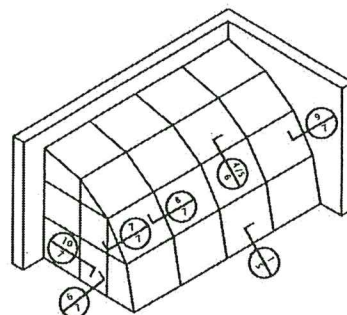
DOUBLE PITCH WITH GABLE



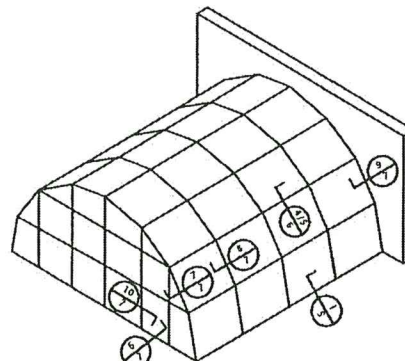
SINGLE PITCH WITH GABLE



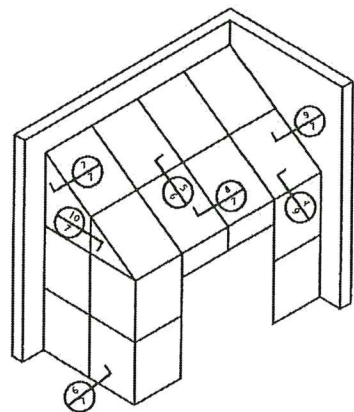
DOUBLE PITCH WITH HIP



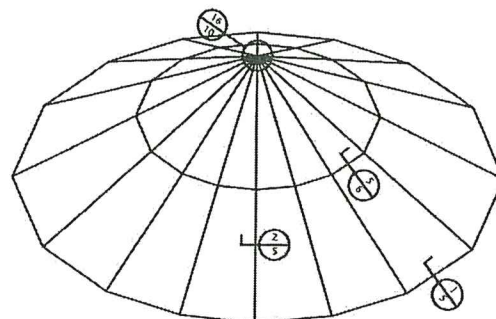
SEGMENTED BARRELL QUATER VAULT
WITH GABLE



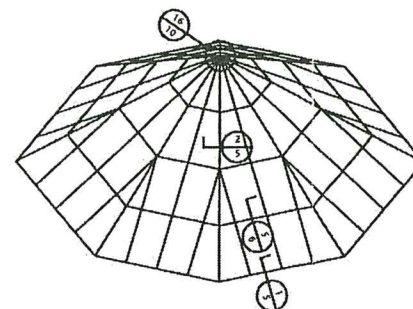
SEGMENTED BARRELL HALF VAULT
WITH GABLE



STRAIGHT EAVE LEAN-TO
WITH GABLE



POLYGON

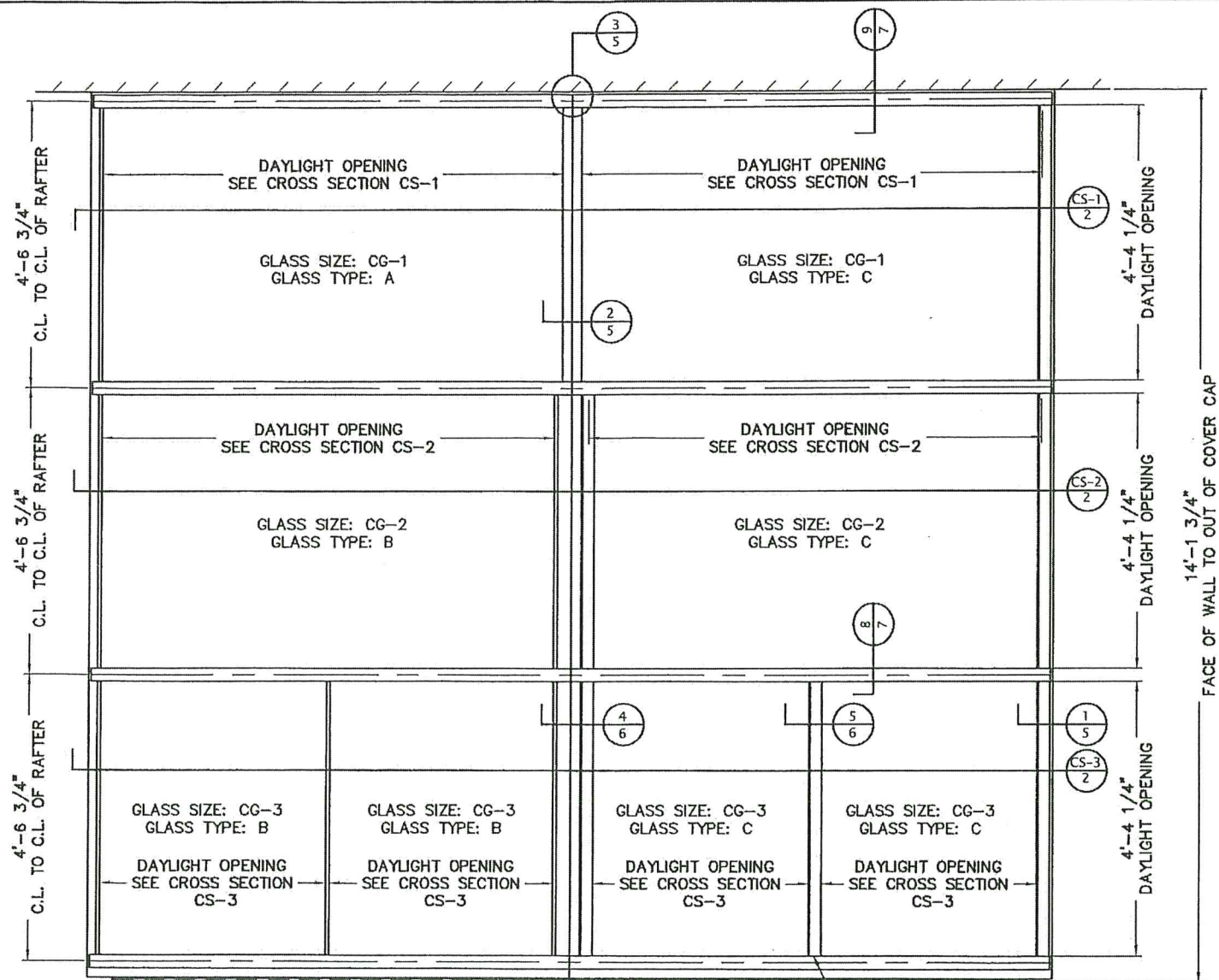


POLYGON WITH JACK RAFTERS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0729.05
Expiration Date 07/25/2029
By [Signature]
Miami Date Product Control

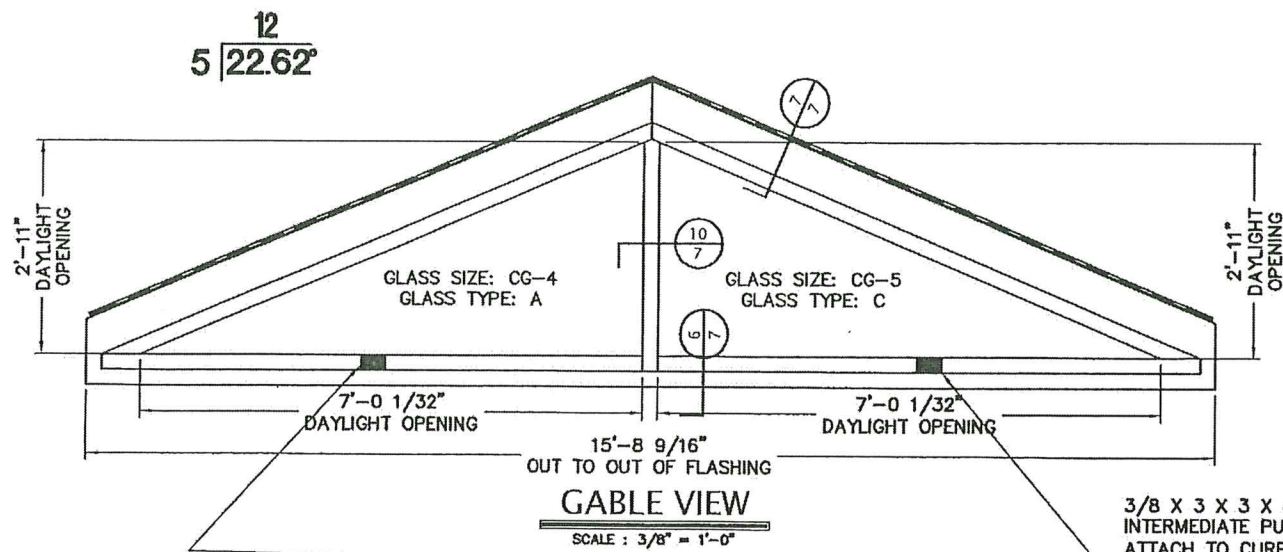
DADE COUNTY USE		ENGINEER/STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>22-1011.07</u> Expiration Date <u>07/25/2024</u> By <u>[Signature]</u> Miami Date Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>16-0502.04</u> Expiration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

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



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

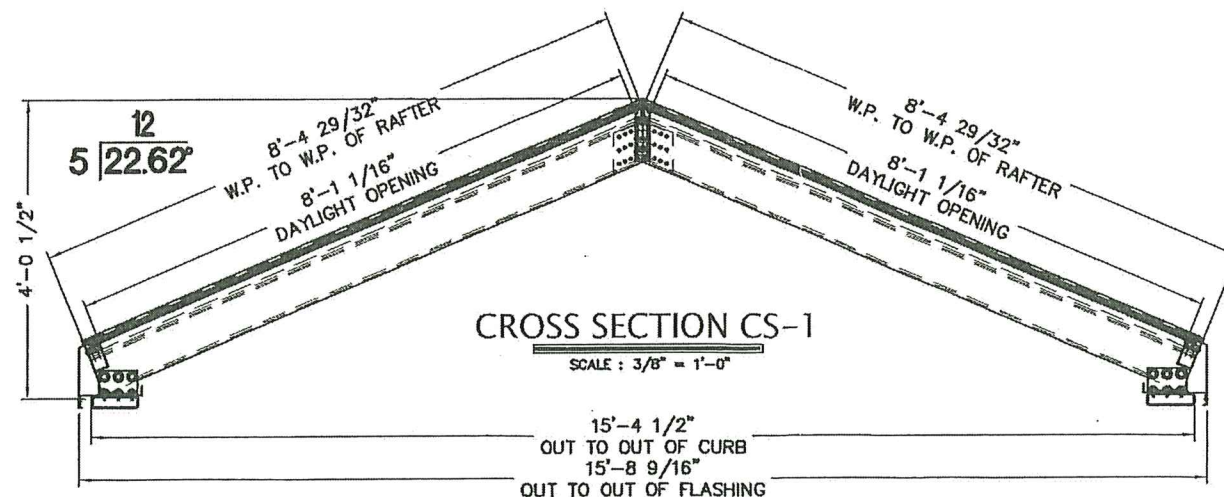
SEAL INTERSECTION OF ALL PRESSURE CAPS AND COVER CAPS. USE DOW CORNING 795



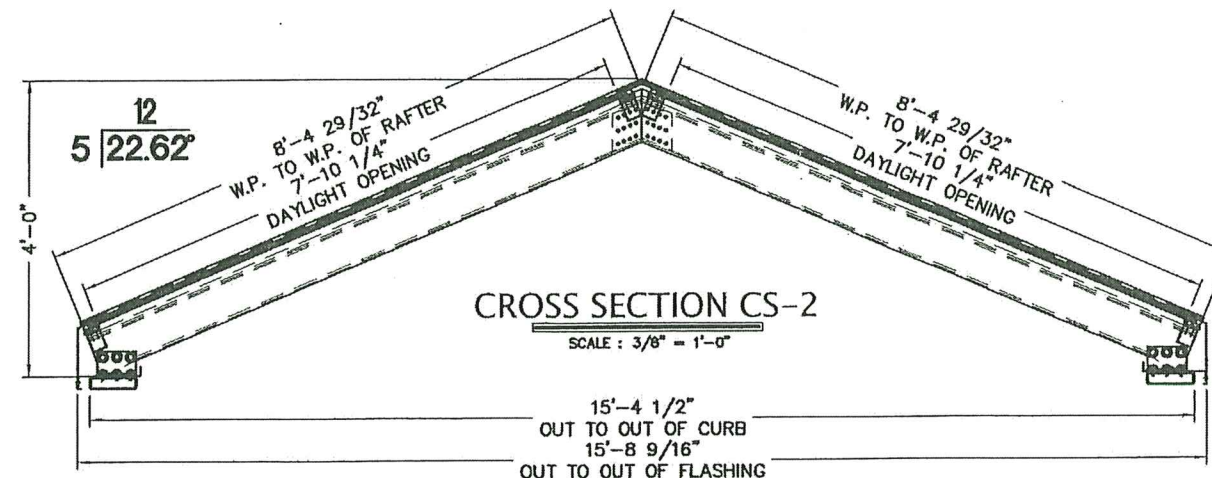
GABLE VIEW
SCALE: 3/8" = 1'-0"

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 GEOMETRY OF SKYLIGHT
(NOT PART OF PRODUCT APPROVAL)

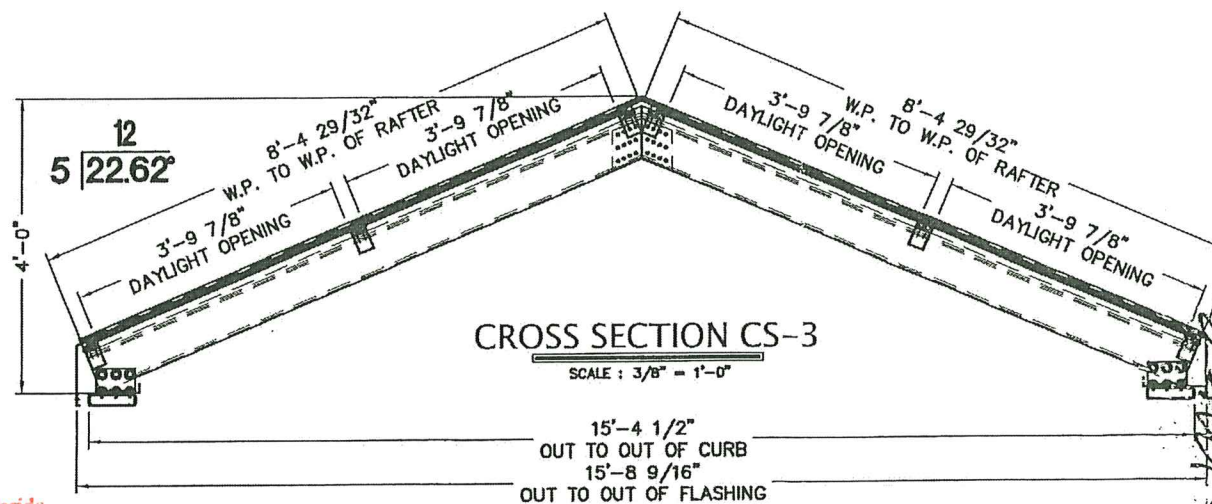
NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.



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



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

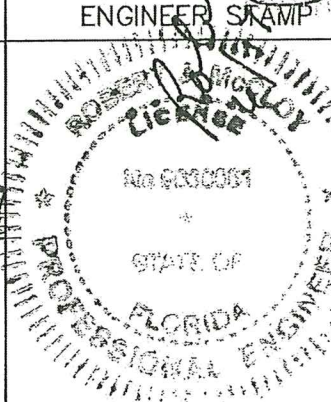


CROSS SECTION CS-3
SCALE: 3/8" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0729.05
Expiration Date 07/28/2029
By HeGA-MW
Miami Dade Product Control

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Building Code
Acceptance No 22-1011.07
Expiration Date 07/25/2024
By HeGA-MW
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 16-0502.04
Expiration Date 07/25/2024
By HeGA-MW
Miami Dade Product Control



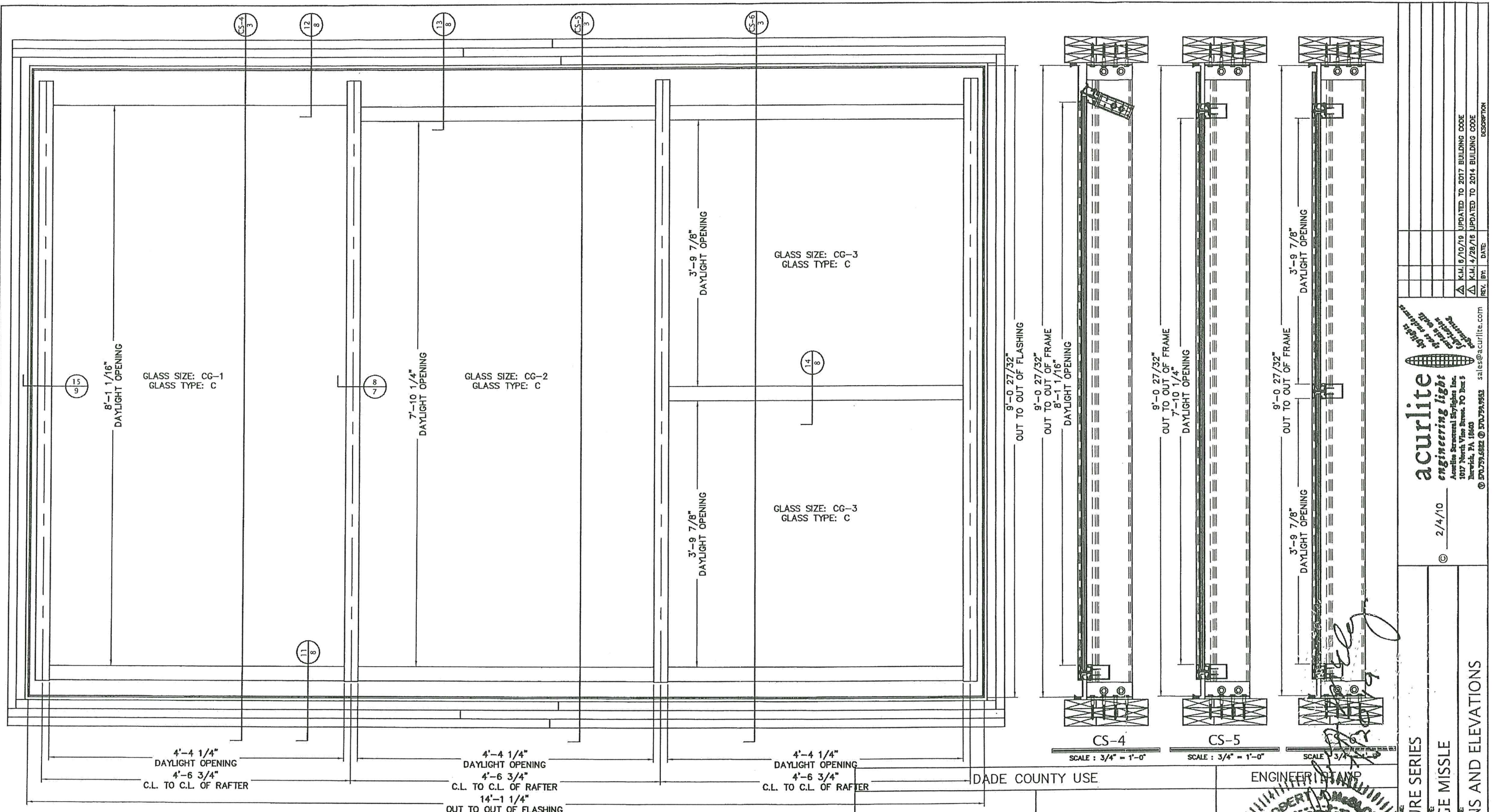
REV.	BY	DATE	DESCRIPTION
1	K.M.	8/10/18	UPDATED TO 2017 BUILDING CODE
2	K.M.	4/28/16	UPDATED TO 2014 BUILDING CODE

acurlite
engineering light
Acurlite Structural Skylights Inc.
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Barwick, PA 18603
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2/4/10
©

SECURE SERIES
LARGE MISSILE
PLANS AND ELEVATIONS

DATE: 2/4/10
SCALE: AS NOTED
DRAWING FILE:
SHEET
2 of 12



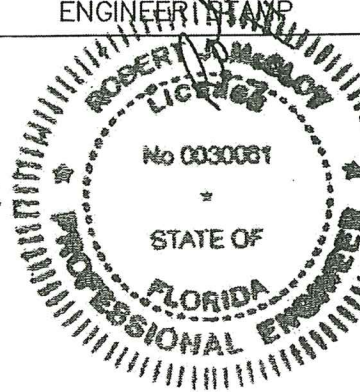
TEST SPECIMEN ELEVATION
SCALE : 3/4" = 1'-0"

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

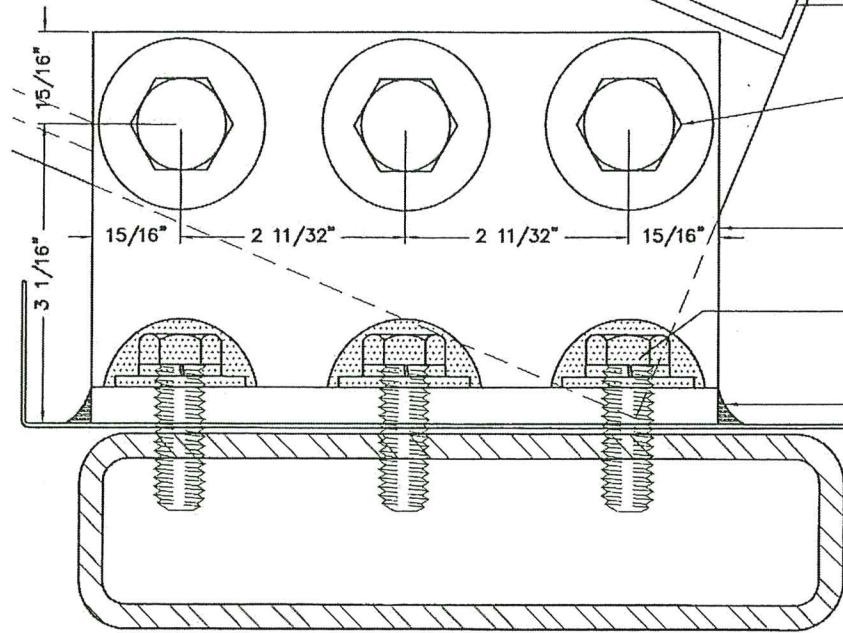
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0729.05
Expiration Date 07/05/2029
By *H. G. A. M. W.*
Miami Dade Product Control

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

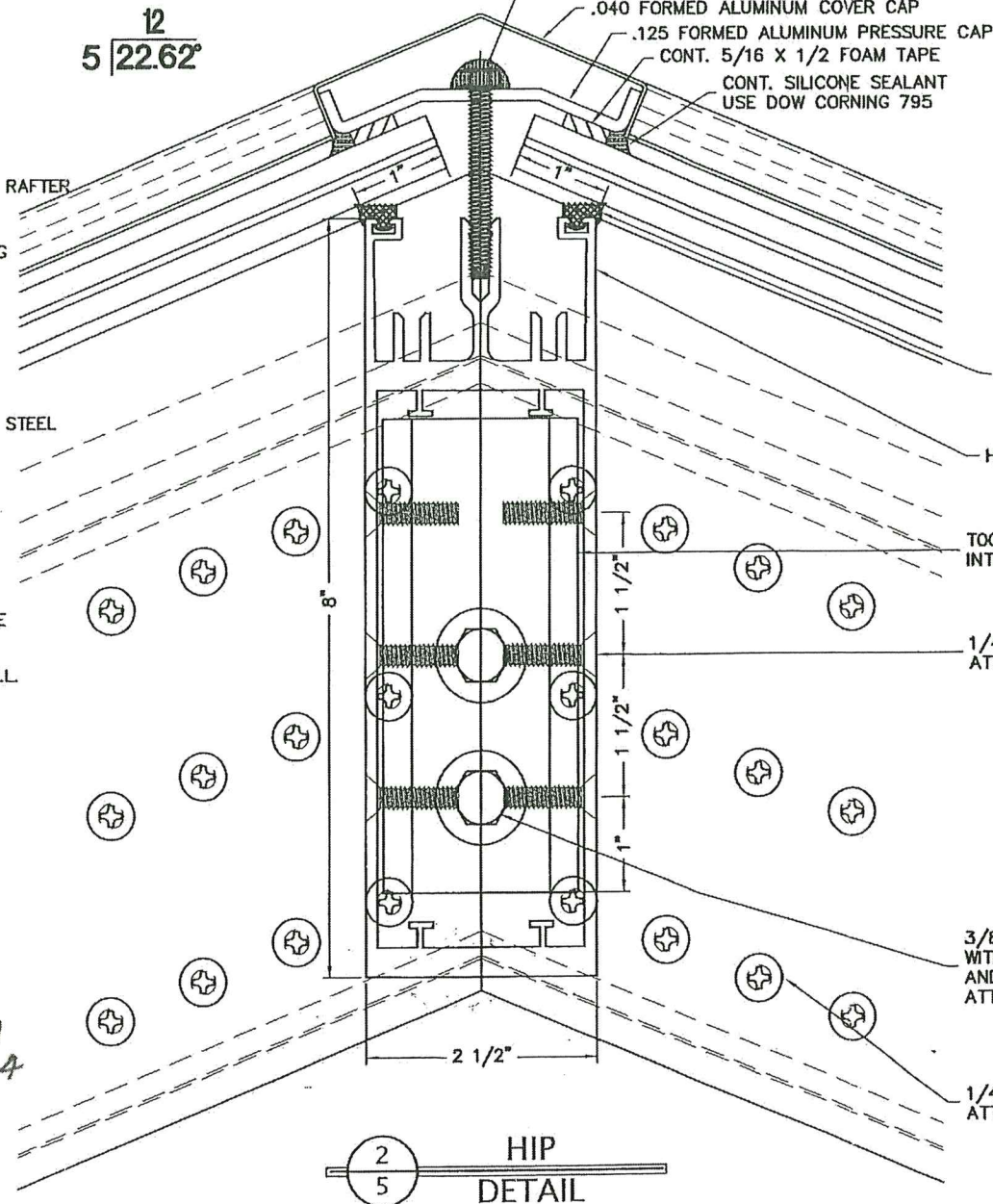
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0502.04
Expiration Date 07/25/2024
By *H. G. A. M. W.*
Miami Dade Product Control



SECURE SERIES		LARGE MISSILE		PLANS AND ELEVATIONS	
DOCUMENT NO. 0300A-001		DRAWING BY: R. MAZZIE		CHECKED BY:	
DATE: 7/4/10		SCALE: AS NOTED		DRAWING FILE:	
SHEET		3 of 12			
© 2/4/10		acurllite engineering light		Acurlite Structural Styrofoam Inc. 1017 North Vero Beach, PO Box 3 Vero Beach, FL 32903 © 570.759.6822 © 570.759.9553 sales@acurllite.com	
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			



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Building Code
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Miami-Dade Product Control



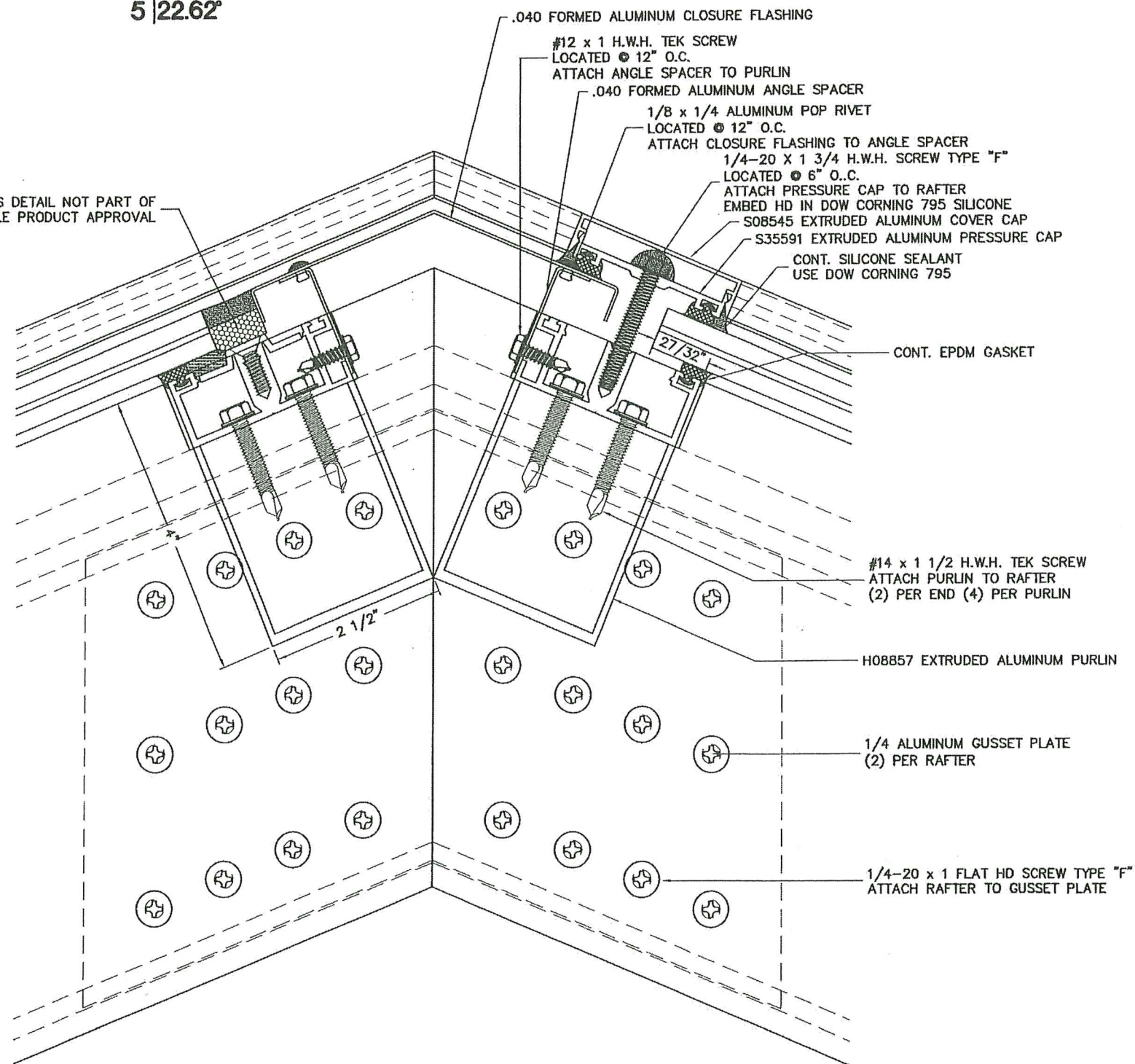
1/4-20 x 1-1/2" HD SCREW TYPE "F"
ATTACH RAFTER TO GUSSET PLATE

DOCUMENT NO.
WINNOA-001
DRAWN BY:
X MAZZIE
CHECKED BY:
DATE:
2/4/10
SCALE:
HALF
DRAWING FILE:

5 of 12

12
5 | 22.62

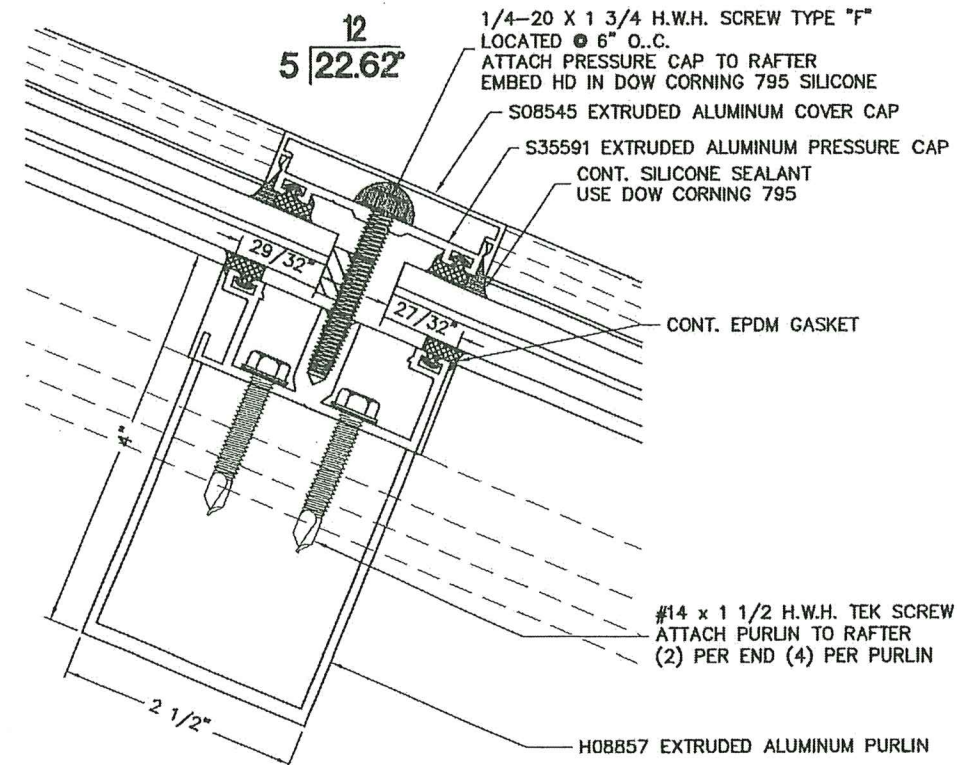
THIS DETAIL NOT PART OF
LARGE MISSILE PRODUCT APPROVAL



4
6 RIDGE/KNEE
DETAIL

PRODUCT REVISED
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Building Code
Acceptance No 24-0729.05
Expiration Date 07/25/2029
By *Hely A. M...*
Miami Dade Product Control

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



5
6 HORIZONTAL
DETAIL

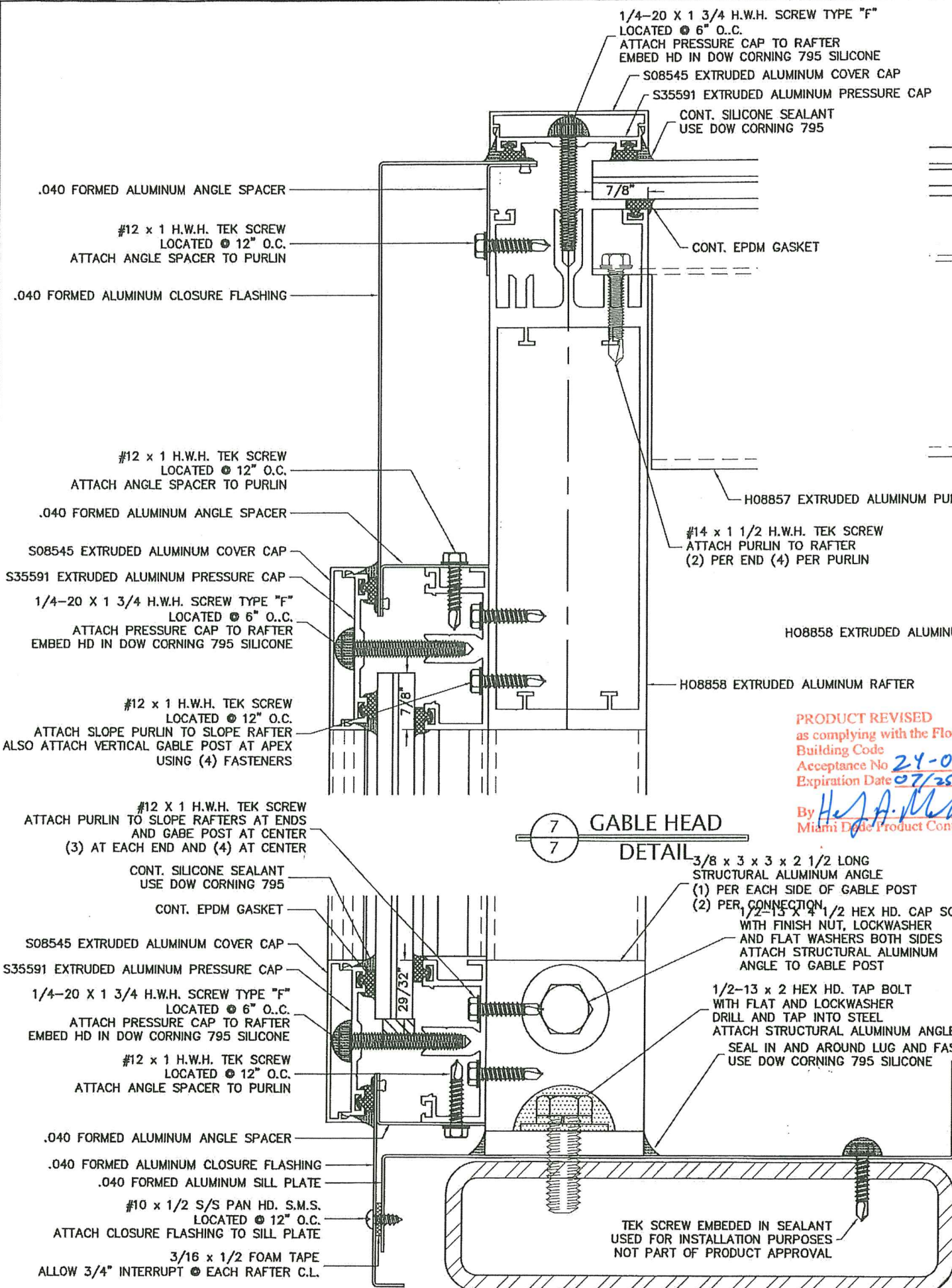
DADE COUNTY USE		ENGINEER'S STAMP	SECURE SERIES LARGE MISSILE GLAZING PRODUCT NAME DOCUMENT NO. DRAWING TITLE DATE: 2/4/10 SCALE: HALF DRAWING FILE:
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 22-1011.07 Expiration Date 07/25/2024 By <i>Hely A. M...</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0502.04 Expiration Date 07/25/2024 By <i>Hely A. M...</i> Miami Dade Product Control		

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

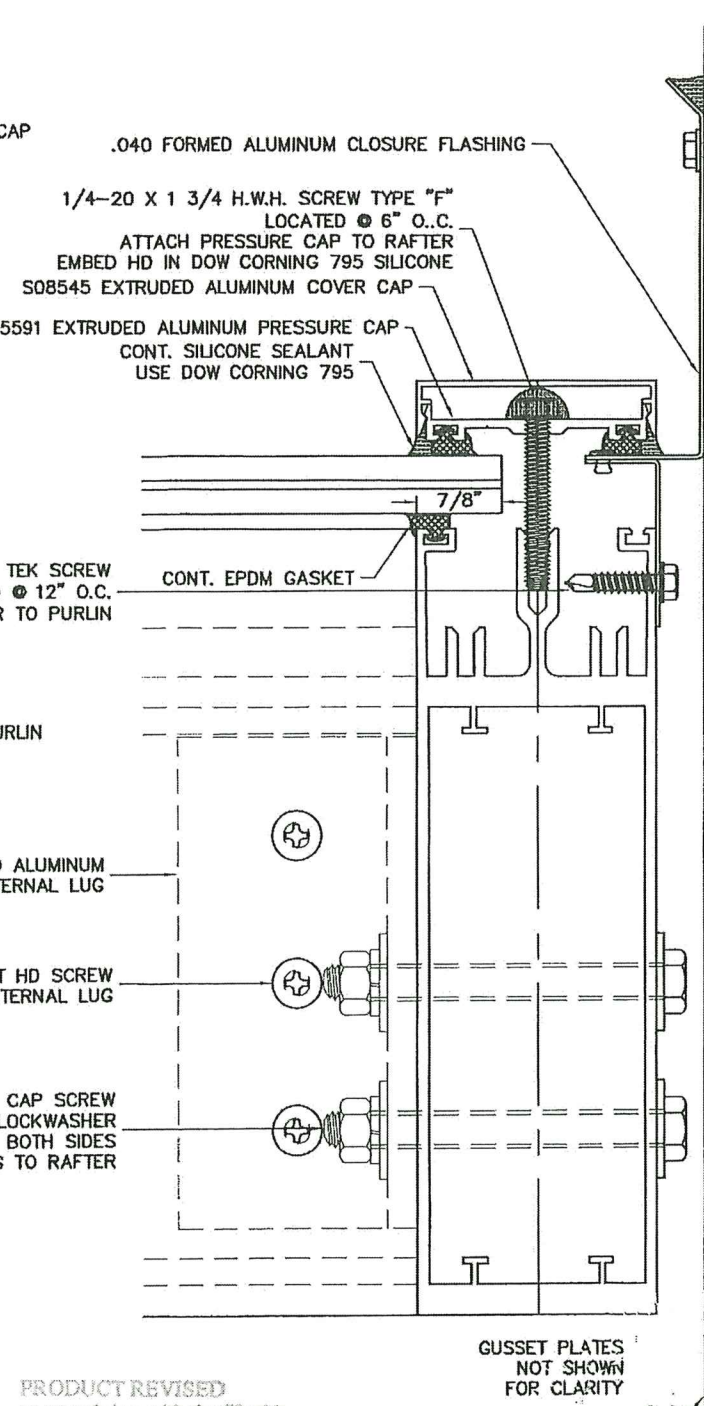
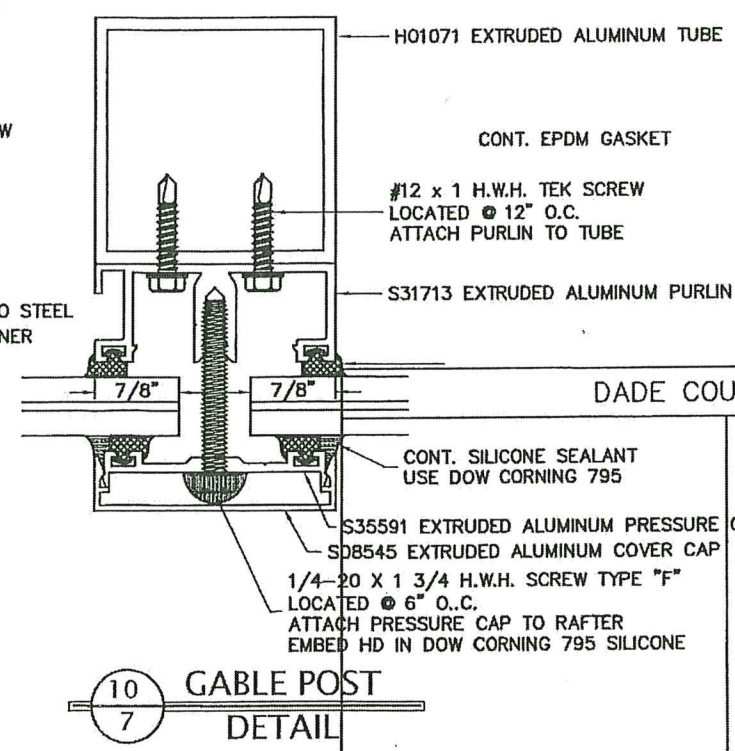
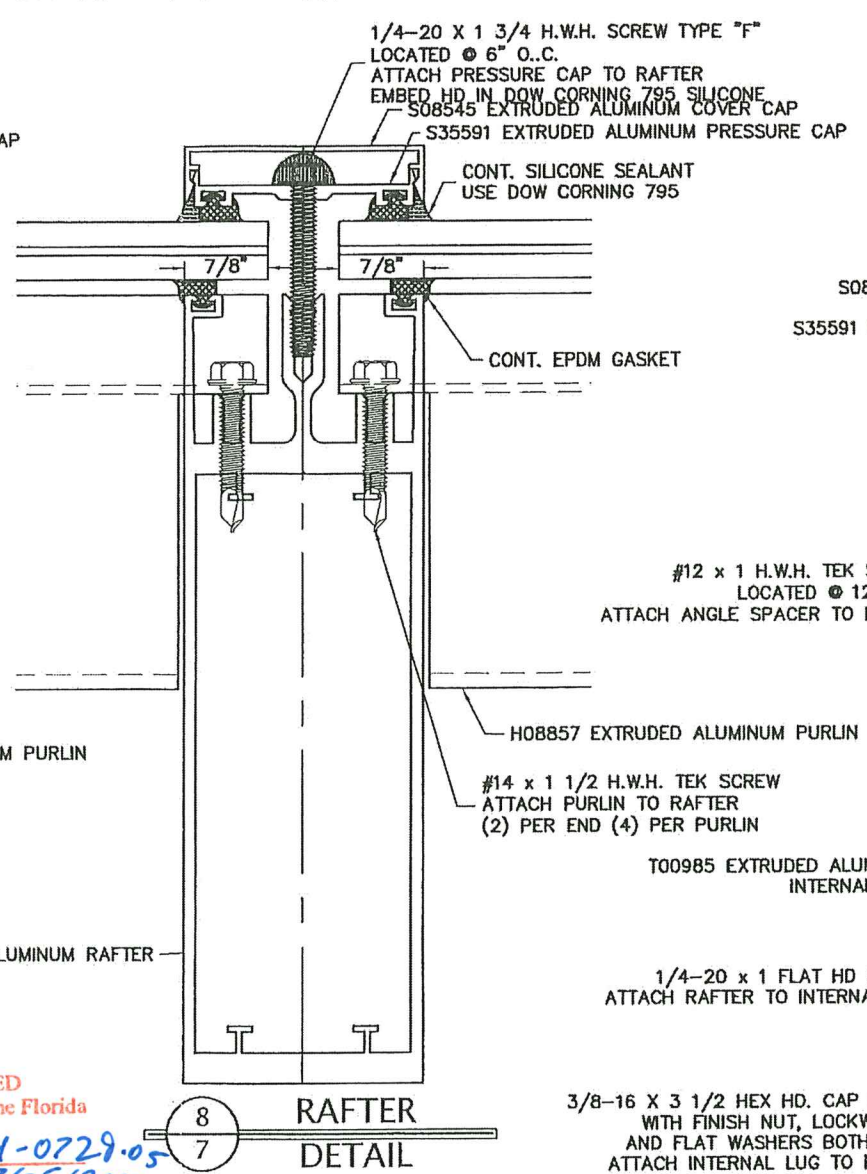
acur lite
 engineering light
 Acur lite Structural Systems Inc.
 1017 North Vine Street, PO Box 5
 Berwyn, PA 19003
 sales@acur lite.com
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2/4/10
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SHEET
 6 of 12



PRODUCT REVISED
as complying with the Florida
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Expiration Date 07/25/2024
By *H. A. M. M.*
Miami Dade Product Control



PRODUCT REVISED
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Building Code
Acceptance No 22-1011.07
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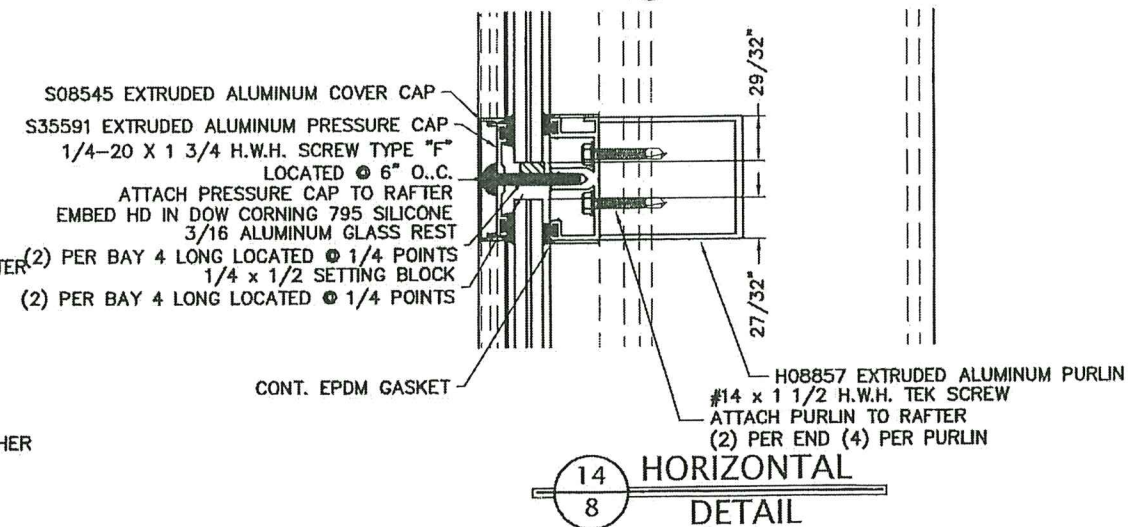
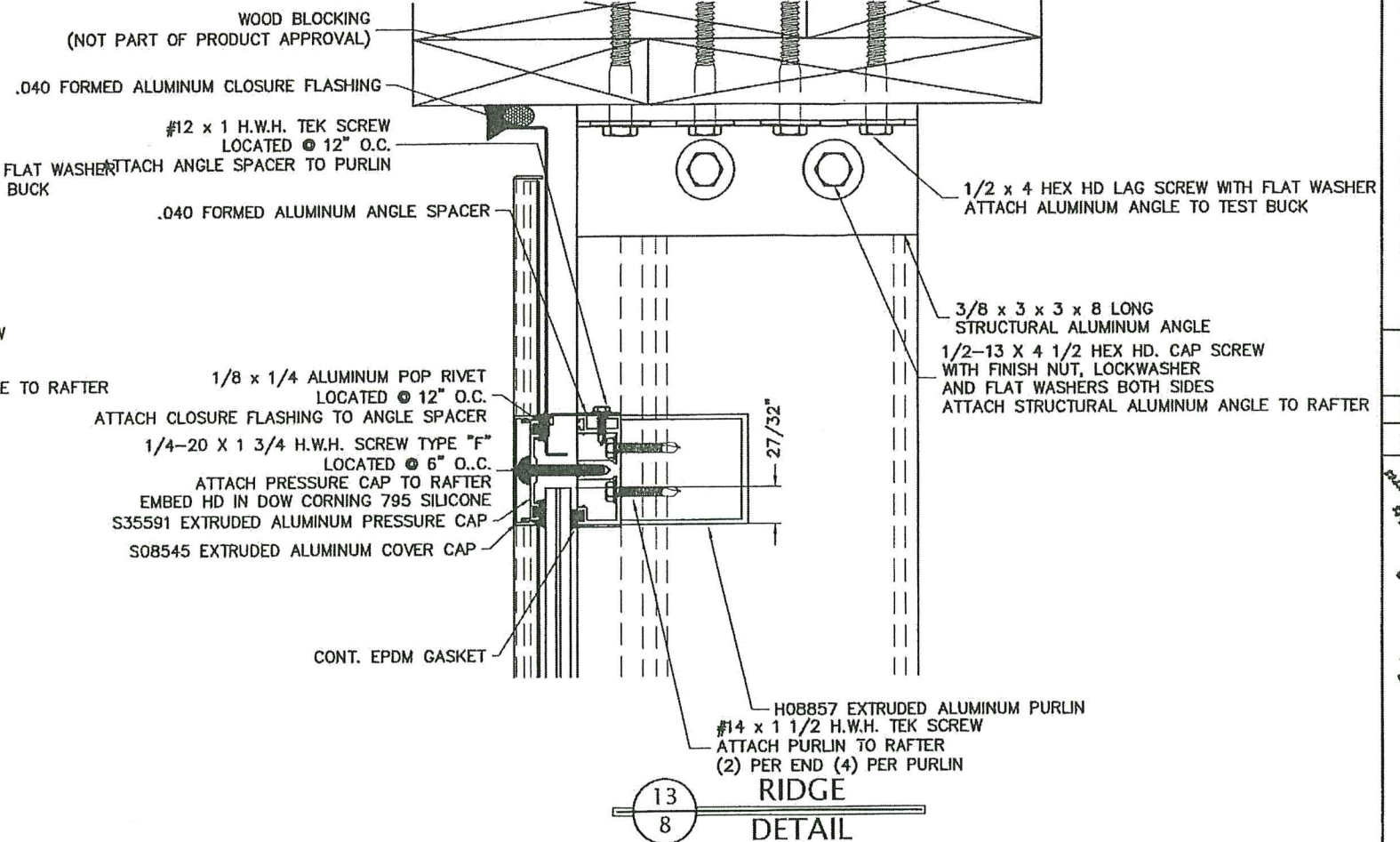
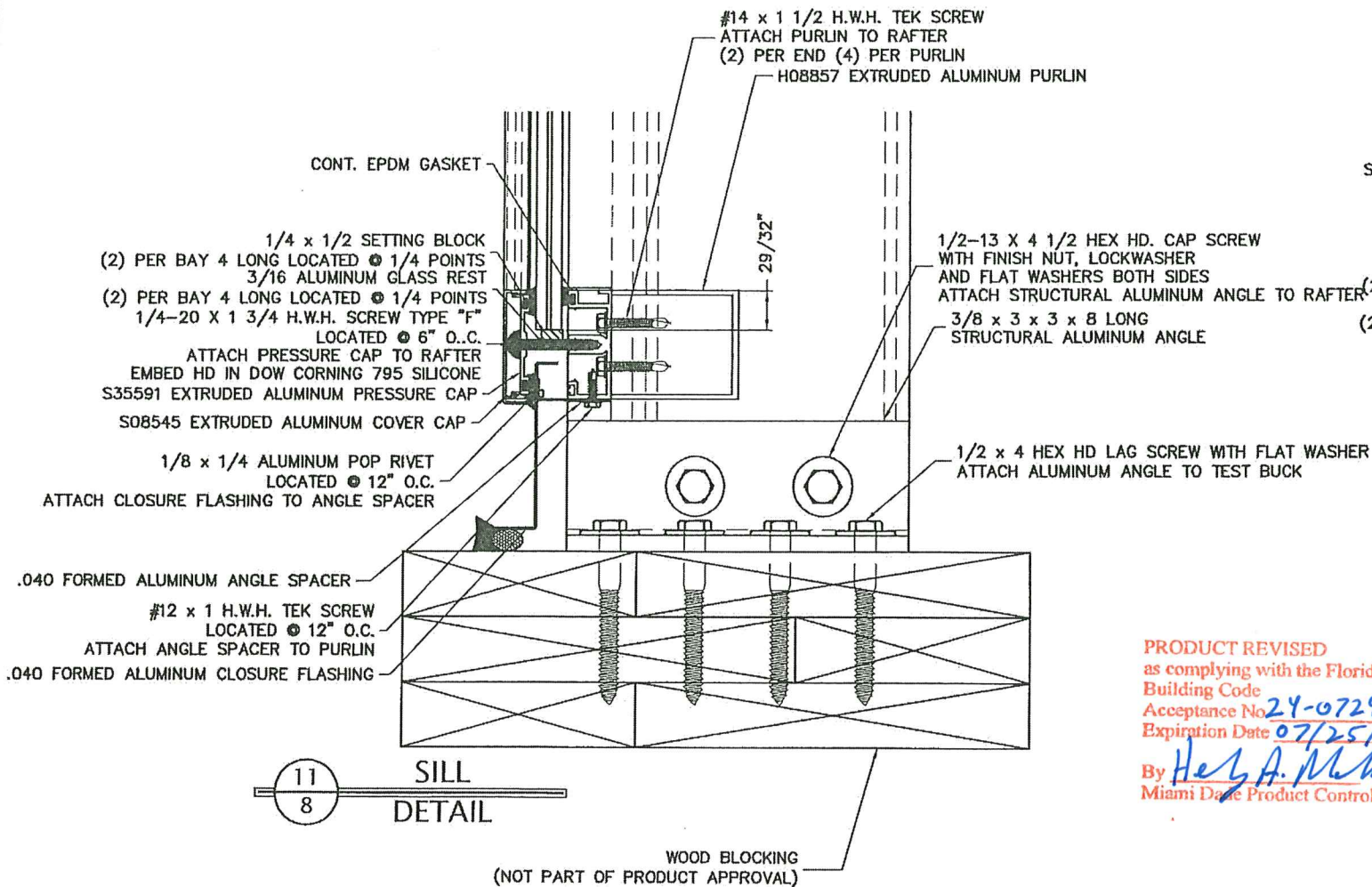
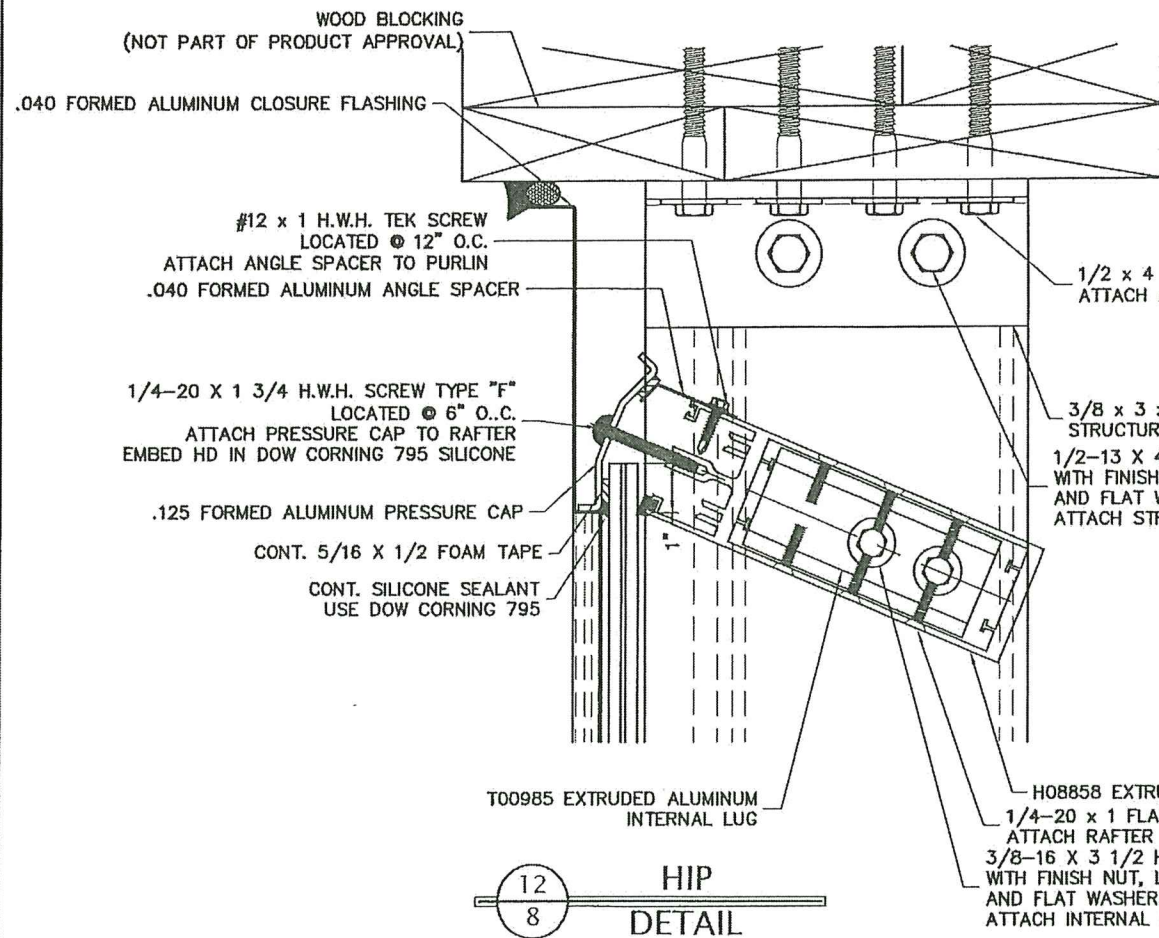
DADE COUNTY USE

PRODUCT REVISED
as complying with the Florida
Building Code
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Expiration Date 07/25/2024
By *H. A. M. M.*
Miami Dade Product Control



<p>acur lite engineering light</p> <p>Acur lite Structural Skylights Inc. 107 North Vero Street, PO Box 5 Beverly, FL 33403 © 570.794.6822 © 570.794.9553 sales@acur lite.com</p>		<p>DATE: 2/4/10</p>									
<p>SECURE SERIES</p> <p>LARGE MISSILE</p> <p>DETAILS</p>	<p>DATE: 2/4/10</p> <p>SCALE: HALF</p> <p>DRAWING FILE:</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2/4/10</td> <td>UPDATED TO 2017 BUILDING CODE</td> </tr> <tr> <td>2</td> <td>4/28/16</td> <td>UPDATED TO 2014 BUILDING CODE</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	2/4/10	UPDATED TO 2017 BUILDING CODE	2	4/28/16	UPDATED TO 2014 BUILDING CODE
NO.	DATE	DESCRIPTION									
1	2/4/10	UPDATED TO 2017 BUILDING CODE									
2	4/28/16	UPDATED TO 2014 BUILDING CODE									

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



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0729.05
Expiration Date 07/25/2029
By *Heidi A. Mazzie*
Miami Dade Product Control

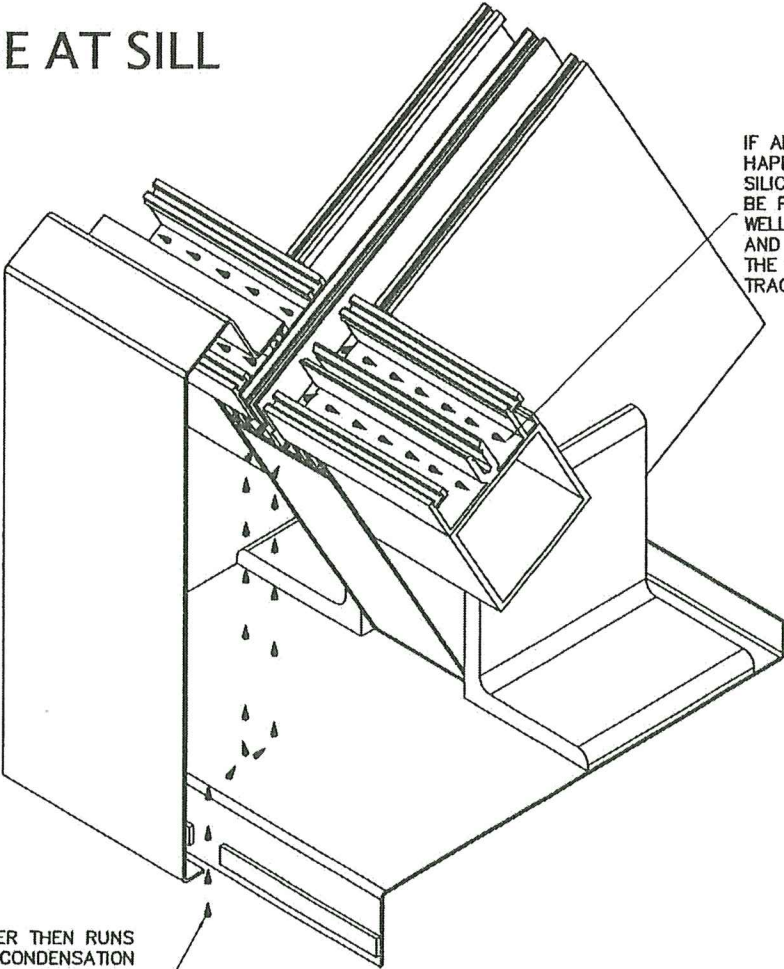
DADE COUNTY USE	
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 22-1011.07 Expiration Date 07/25/2024 By <i>Heidi A. Mazzie</i> Miami Dade Product Control	PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 16-0502.04 Expiration Date 07/25/2024 By <i>Heidi A. Mazzie</i> Miami Dade Product Control

ENGINEER STAMP	
SECURE SERIES LARGE MISSILE DETAILS	STATE OF FLORIDA PROFESSIONAL ENGINEER No. 0030081 Robert J. Mazzie 2/4/10 SCALE QUATER DRAWING FILE: SHEET 8 of 12

acurite engineering light	
Acurite Engineering Light 1017 North Vine Street, PO Box 5 Barrick, PA 15003 sales@acurite.com	REV. DATE K.M. 6/10/19 UPDATED TO 2017 BUILDING CODE K.M. 4/29/16 UPDATED TO 2014 BUILDING CODE

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

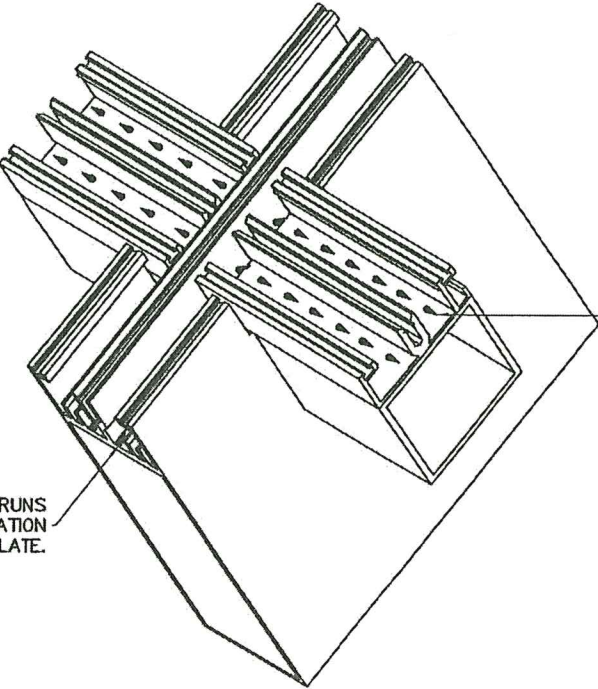
WEEPAGE AT SILL



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.

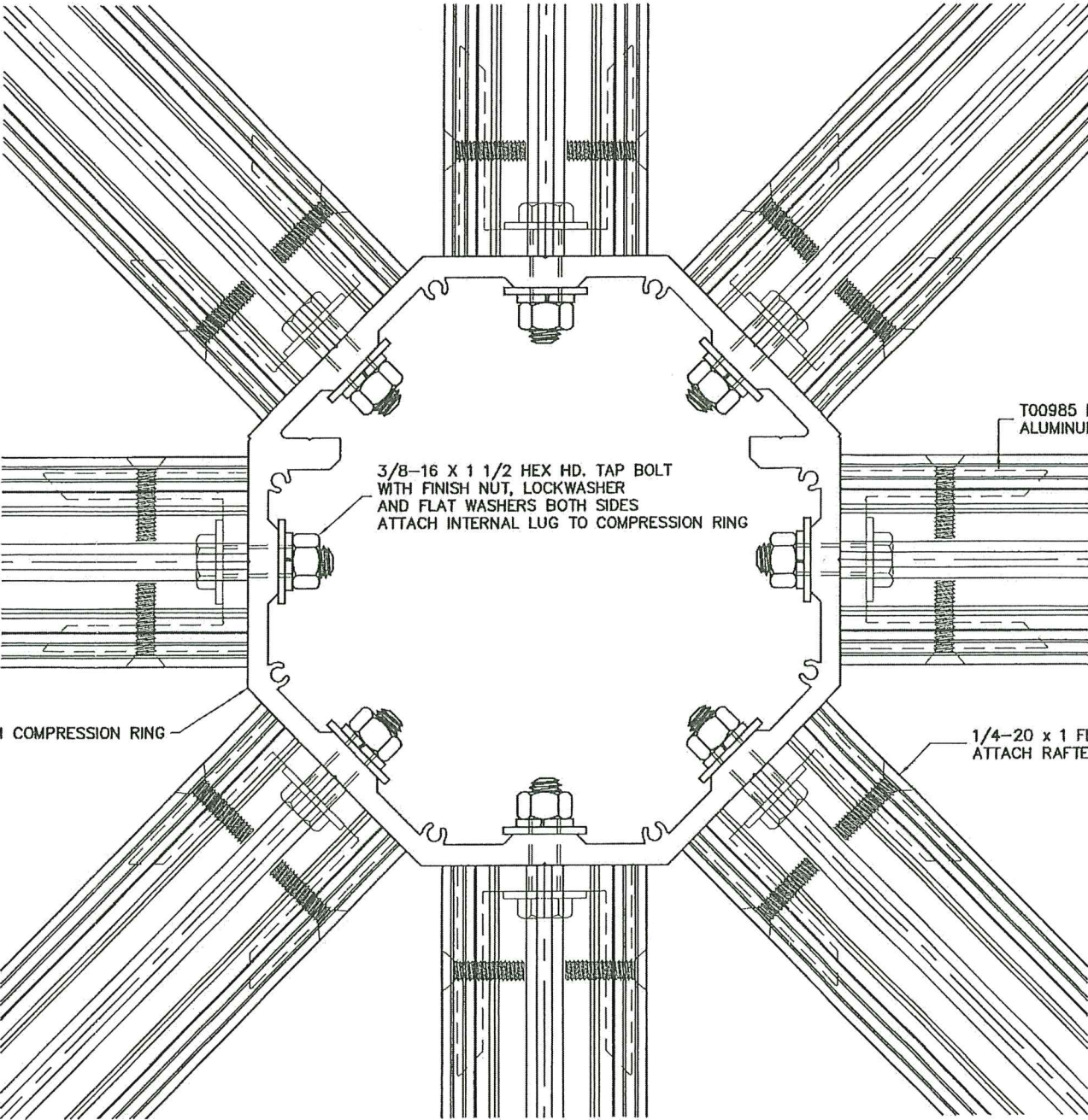
THE WATER THEN RUNS DOWN THE CONDENSATION TRACK ONTO THE SILL PLATE. FROM HERE IT WILL WORK ITS WAY FORWARD TO THE EDGE OF THE SILL PLATE AND DRAIN AT THE 3/4" VOID IN THE SPONGE GASKET. VOID FILLED WITH 30 PPI WEEP BAFFLE.

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

16
10 COMP. RING
DETAIL

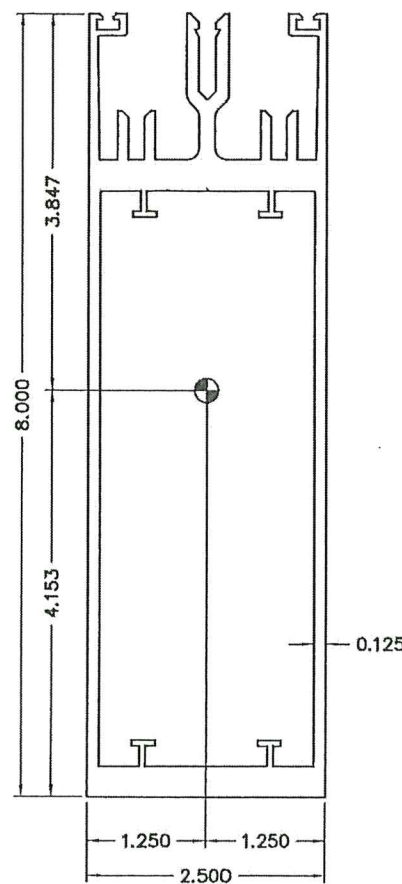
T00985 EXTRUDED ALUMINUM INTERNAL LUG

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

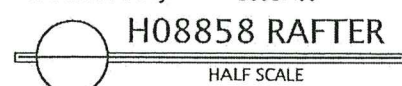
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0728.05
Expiration Date 07/25/2029
By *Heidi A. Miller*
Miami Dade Product Control

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 DETAILS		DATE: 2/4/10 SCALE: HALF DRAWING FILE: 10 of 12

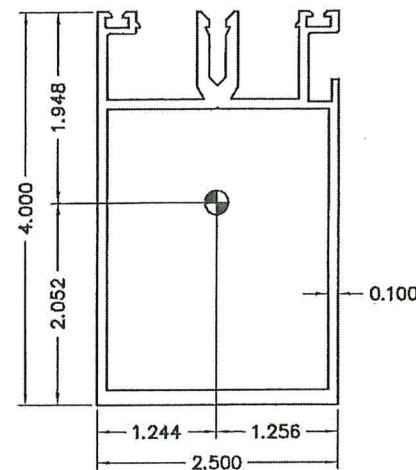
NOTES:
1. SEE SHEET 4 OF 12 FOR GLASS SIZES AND TYPES.



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



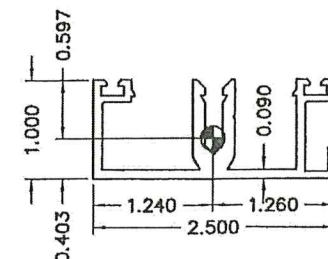
Area: 0.2110
 Perimeter: 7.5289
 Bounding box: X: -1.2500 --- 1.2500
 Y: -0.4392 --- 0.1228
 Moments of inertia: X: 0.0049
 Y: 0.1783
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.1527
 Y: 0.9191
 Principal moments and X-Y directions about centroid:
 I: 0.0049 along [1.0000 0.0000]
 J: 0.1783 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



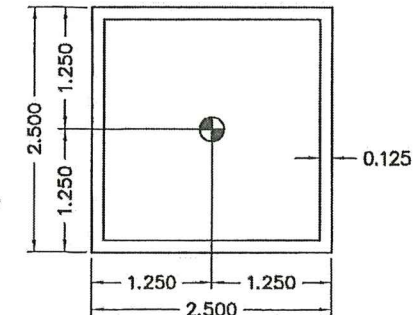
Area: 0.2955
 Perimeter: 6.9688
 Bounding box: X: -1.1634 --- 1.1626
 Y: -0.1489 --- 0.2190
 Moments of inertia: X: 0.0012
 Y: 0.1486
 Product of inertia: XY: 0.0000
 Radii of gyration: X: 0.0634
 Y: 0.7092
 Principal moments and X-Y directions about centroid:
 I: 0.0012 along [1.0000 0.0000]
 J: 0.1486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



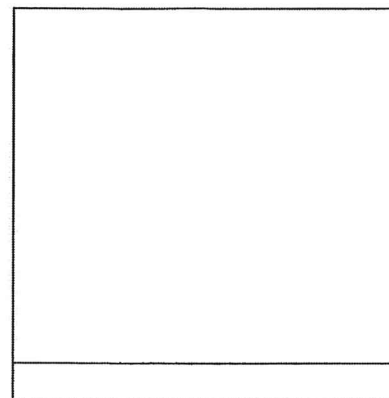
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 Expiration Date 07/25/2024
 By: H. A. M. W.
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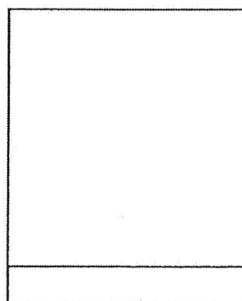
ENGINEER STAMP
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 Expiration Date 07/25/2024
 By: H. A. M. W.
 Miami Dade Product Control

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

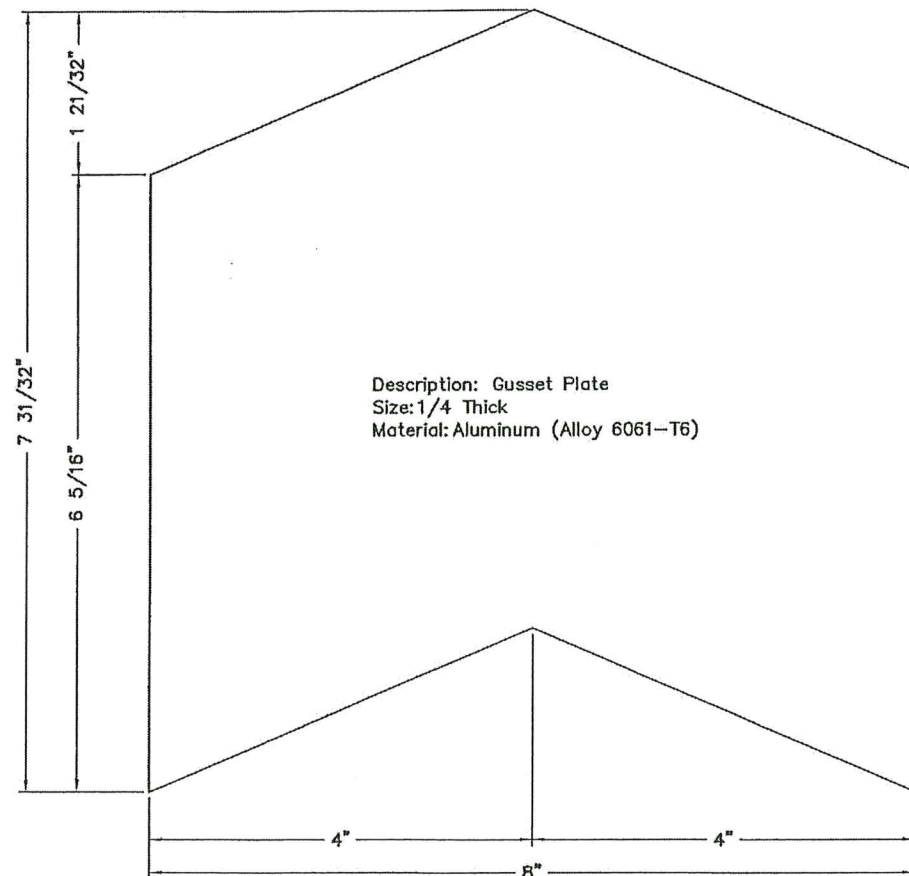
acurlite engineering light
 Acurlite Structural Stylights Inc.
 1017 North Vero Beach, PO Box 5
 Vero Beach, FL 33403
 © 2010
 2/4/10
 SECURE SERIES
 LARGE MISSILE
 BILL OF MATERIALS
 SHEET
 11 of 12



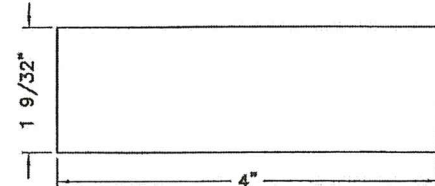
Description: Structural Aluminum Angle
Size: 3/8 x 4 x 4
Material: Aluminum (Alloy 6061-T6)



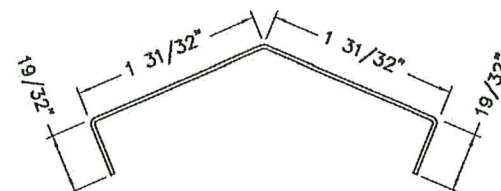
Description: Structural Aluminum Angle
Size: 3/8 x 3 x 3
Material: Aluminum (Alloy 6061-T6)



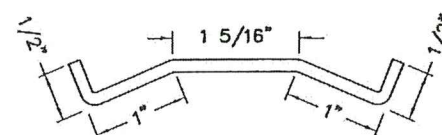
Description: Gusset Plate
Size: 1/4 Thick
Material: Aluminum (Alloy 6061-T6)



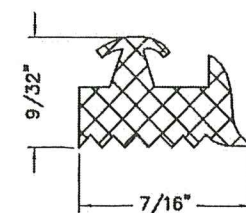
Description: Glass Rest
Size: 3/16 Thick
Material: Aluminum (Alloy 6061-T6)



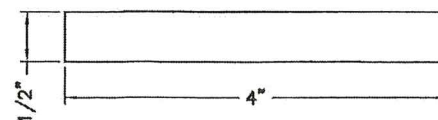
Description: Formed Cover Cap
Size: .040 Thick
Material: Aluminum (Alloy 3003)



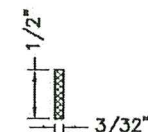
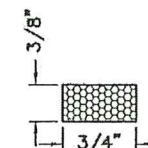
Description: Formed Pressure Cap
Size: .125 Thick
Material: Aluminum (Alloy 3003)



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



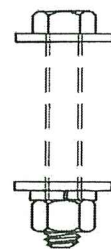
Description: Flat Head Screw Type "F" (F.H.S. Type "F")
Size: 1/4-20 x Varies
Material: SAE Grade 2 Steel



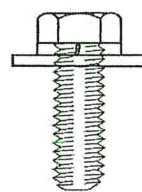
Description: Hex Washer Head Tek Screw (H.W.H. Tek Screw)
Size: #14 x 1 1/2
Material: SAE Grade 2 Steel



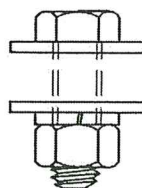
Description: Hex Washer Head Screw Type "F" (H.W.H. Screw Type "F")
Size: 1/4-20 x 1 3/4
Material: SAE Grade 2 Steel



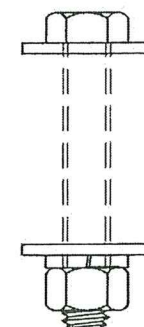
Description: Hex Head Cap Screw with Finish Nut, Flat Washers and Lockwasher
Size: 3/8-16 x 4 1/2
Material: ASTM Grade 2 Steel



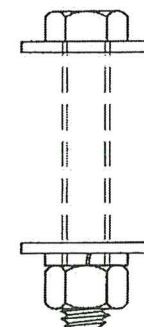
Description: Hex Head Tap Bolt with Flat Washer and Lockwasher
Size: 1/2-13 x 2
Material: ASTM A449 Grade 5



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

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as complying with the Florida
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Acceptance No. 16-0502.04
Expiration Date 07/25/2024
By: H. G. A. M. M.
Miami Dade Product Control

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.	4/28/16	UPDATED TO 2014 BUILDING CODE

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engineering light
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Barrick, PA 15003
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2/4/10

SECURE SERIES
LARGE MISSILE
BILL OF MATERIALS

DATE: 2/4/10
SCALE: HALF
DRAWING FILE: SHEET 12 of 12