



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)

Wasco Products, Inc.
85 Spencer Drive – Unit A (P. O. Box 559)
Wells, Maine 04090

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 RER-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 Section (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: Pinnacle HU Gabled Skylight and HU-OPY Octagonal Skylight

APPROVAL DOCUMENT: Drawing No. **15-302** titled "Pinnacle HU Gabled Skylight and HU-Opy Hurricane Resistant Octagonal Skylight", sheets 1 through 27 of 27, dated 06/01/15, Last revision #1 dated 06/01/15, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., on 09/19/16, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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 **renews** NOA # **16-1018.02** and consists of this page 1 and evidence submitted pages E-1, E-2, E-3, & E-4, as well as approval document mentioned above.

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



Helmy A. Makar
03/09/2017

NOA No. 17-0118.05
Expiration Date: 02/22/2022
Approval Date: 03/09/2017

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0816.05

A. DRAWINGS

1. *Manufacturer's die drawings and sections.*
2. *Drawing No. 06-173 titled "Pinnacle HU Gabled Skylight with L.M. Impact Resistant Laminated /Insulated Glass", sheets 1 through 15 of 15, dated 01/15/07 prepared by Tillit Testing & Engineering Company signed and sealed by Walter A. Tillit Jr. P.E.,*

B. TESTS

1. *Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94*
 - 2) *Uniform Static Air Pressure Test, Loading per FBC TAS 202-94*
 - 3) *Water Resistance Test, per FBC, TAS 202-94*
 - 4) *Large Missile Impact Test per FBC, TAS 201-94*
 - 5) *Cyclic Wind Pressure Loading per FBC, TAS 203-94*

along with marked-up drawings of "Pinnacle HU Test units", prepared by American Test Lab of South Florida, Test Report No. ATLSF # 1107.01-05, dated 07/10/06, signed and sealed by William R. Mehner P.E.

C. CALCULATIONS

1. *Skylight Calculations and structural analysis, complying with FBC-2004, prepared by Tillit Testing & Engineering Company signed and sealed by Walter A. Tillit Jr. P.E.*

D. QUALITY ASSURANCE

1. *Miami Dade Building Code Compliance Office (BCCO).*

E. MATERIAL CERTIFICATIONS


1. *Notice of Acceptance No. 06-1205.10 issued to E.I. DuPont DeNemours for "Sentry Glass Plus dated 01/14/07, expiring on 01/14/2012.*

F. STATEMENTS

1. *Statement letter of conformance to FBC 2004, dated January 15 2007, signed and sealed by Walter A. Tillit jr. P.E.*
2. *Statement letter of no financial interest, dated July 27, 2006, signed and sealed by Walter A. Tillit Jr. P.E.*

G. OTHER

1. *None.*


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 17-0118.05
Expiration Date: 02/22/2022
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0602.08

A. DRAWINGS

1. *Drawing No. 06-063 titled "Pinnacle HU Gabled Skylight and HU-Opy Hurricane Resistant Octagonal Skylight ", sheets 1 through 27 of 27, dated 06/24/10, Last revision #1 dated 06/24/10, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., on 10/24/11*

B. TESTS

1. *Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94*

along with marked-up drawings of HU-Opy Hurricane Resistant Octagonal Skylight, prepared by American Test Lab of South Florida, Test Report No. ATLSF # 0519.01-09, dated 07/02/09, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. *Skylight Calculations and structural analysis, 40 pages, complying with FBC-2007, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., on 07/07/10.*

D. QUALITY ASSURANCE

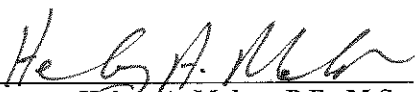
1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.*

E. MATERIAL CERTIFICATIONS

1. *Notice of Acceptance No. 06-1205.10 issued to E.I. DuPont DeNemours for "Sentry Glass Plus dated 01/14/07, expiring on 01/14/2012.*

F. STATEMENTS

1. *Statement letter of conformance to FBC 2007, dated May 16, 2011, signed and sealed by Walter A. Tillit Jr. P.E.*
2. *Statement letter of no financial interest, dated May 16, 2011, signed and sealed by Walter A. Tillit Jr. P.E.*


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 17-0118.05
Expiration Date: 02/22/2022
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 16-1018.02

A. DRAWINGS

1. *Drawing No. 15-302 titled "Pinnacle HU Gabled Skylight and HU-Opy Hurricane Resistant Octagonal Skylight ", sheets 1 through 27 of 27, dated 06/01/15, Last revision #1 dated 06/01/15, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., on 09/19/16.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Statement letter of conformance to FBC 2014, dated September 19, 2016, signed and sealed by Walter A. Tillit Jr., P.E.*

6. 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 (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 17-0118.05
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PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED / INSULATED GLASS (VALID ONLY FOR SHEETS 1 THRU 15)

GENERAL NOTES:

1. PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED / INSULATED GLASS SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2014 (5th EDITION) OF THE FLORIDA BUILDING CODE. THIS SKYLIGHT MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

DESIGN LIVE & WIND LOADS SHALL BE DETERMINED AS PER CHAPTER 16 OF THE ABOVE MENTIONED CODES, USING ASCE 7-10 STANDARD AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW.

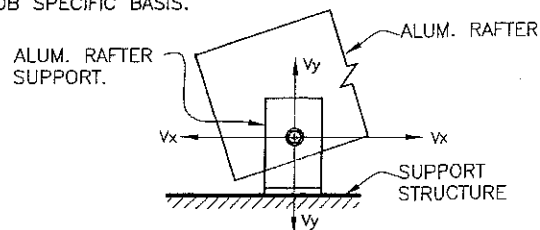
IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW.

IN ORDER TO VERIFY THAT FASTENERS & ANCHORS ON THIS P.A.D. ARE NOT OVERSTRESSED FOR EVERY SINGLE APPLICATION OF THIS SKYLIGHT SYSTEM UNDER A.S.D DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS SHALL NOT BE USED IN THEIR ANALYSIS.

1A. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR EVERY PERMIT. DRAWINGS MAY INCLUDE LARGER SKYLIGHT WIDTH, LENGTH AND RISE W/ CORRESPONDING LARGER CROSS SECTION RAFTERS & MULLIONS, BUT A.S.D. DESIGN PRESSURE RATING AS WELL AS MAX. GLASS PANEL SIZE SHALL **NOT** EXCEED THOSE INDICATED ON THIS DRAWING. (SEE NOTES 2 AND 11 RESPECTIVELY) THIS P.A.D. COVERS GABLE SHAPE SKYLIGHTS. OTHER SHAPES/CONFIGURATIONS W/ SLOPED GLASS MAY BE ALSO ACCEPTED, PROVIDED THAT ABOVE MENTIONED CONDITIONS ARE COMPLIED WITH. THE DESIGN OF LARGER COMPONENTS FOR LARGER SKYLIGHTS SHALL BE PERFORMED BY A FLORIDA P.E. AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS. (SEE NOTES 3 & 20).

2. A.S.D. DESIGN PRESSURE RATING AT ROOF IS: +80.0 psf (WINDWARD SIDE), -80.0psf (LEEWARD SIDE).
A.S.D. DESIGN PRESSURE RATING AT WALL IS: +80.0, -80.0 psf.
A.S.D. DESIGN PRESSURE RATING AND LARGE MISSILE IMPACT RESISTANCE OBTAINED THRU TESTING AS PER SECTION 1626.2 OF THE FLORIDA BUILDING CODE, PER PROTOCOLS TAS 201, 202, 203, PER AMERICAN TESTING LABORATORY REPORT # 1107.01-05.
WATER AND AIR INFILTRATION TESTING HAS BEEN PERFORMED AS PER PROTOCOL TAS 202, QUALIFYING ASTM E 331 AND ASTM E 283 RESPECTIVELY.

3. STRUCTURAL ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS IS NOT PART OF THIS P.A.D. STRUCTURAL DESIGN OF THE STRUCTURE THAT WILL PROVIDE SUPPORT TO THIS SKYLIGHT SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PROJECT. STRUCTURAL DESIGN SHALL INCLUDE AND TAKE INTO CONSIDERATION THE ACTUAL V_x AND V_y LOADS TRANSFERRED FROM THIS SKYLIGHT TO THE SUPPORT STRUCTURE, BASED ON DEAD, LIVE & WIND LOADS AND USING THE LOAD COMBINATIONS AS PER SECTION 2.4 OF APPLICABLE A.S.C.E. 7 STANDARDS. ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS.



PRODUCT RENEWED
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By *He G. A. M. Jr.*
Miami Dade Product Control

4. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.

5. ALL ALUMINUM SHEET SHALL BE ALUMINUM ASSOCIATION 1100-H14 ALLOY AND HARDNESS.

6. ALL SCREWS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES, WITH MIN. TENSILE LOAD CAPACITY $T_u=4275\#$ & MIN. ULTIMATE SHEAR LOAD CAPACITY $S_u=2700\#$, PER ASTM B-593 & B-594 & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

7. ALL ALUMINUM POP RIVETS TO BE 5056 ALUMINUM ALLOY WITH ALUMINUM MANDREL.

8. BOLTS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES WITH 50 ksi Min. YIELD STRENGTH AND 90 ksi Min. TENSILE STRENGTH, PER ASTM B-593 AND B-594.

9. GLAZING SYSTEM SHALL COMPRISE OF THE FOLLOWING COMPONENTS:

- 9.1. 1/4"x5/8" TREMCO SGT 921 STRUCTURAL GLAZING TAPES MADE OF OPEN CELL HIGH DENSITY POLYURETHANE WITH A MICROCELLULAR STRUCTURE.
- 9.2. SANTOPRENE GLAZING STOP (1/4"x1 1/4"x4", MODIFY TO GLAZING), (2) PER BAY AT 1/4 POINTS AT LOCATIONS SHOWN ON SECTIONS.
- 9.3. STRUCTURAL SILICONE FOR GLASS SEALANT AT RAFTERS TO BE DOW CORNING 995 SILICONE STRUCTURAL ADHESIVE.

10. ALL FLASHING TO BE LAPPED AND SET ON A BED OF URETHANE SEALANT.

11. GLASS OPTIONS:

- (a) 9/16" LAMINATED GLAZING CONSISTING OF:
1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK KURARAY SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.
- (b) 1 5/16" INSULATED GLAZING CONSISTING OF:
1/4" THICK CLEAR TEMPERED GLASS +1/2" AIRSPACE W/ ALUMINUM SPACER OVER 9/16" LAMINATED GLASS MADE WITH 1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK KURARAY SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.

- (c) NOTES: MAX GLASS PANEL D.L.O SIZE IS 45 1/2"x94 1/2".
MAX GLASS AREA = 32.00 FT² BETWEEN SUPPORTS.

12. ALL WELDING TO CONFORM TO THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 REGULATIONS. USE CERTIFIED WELDERS. USE ER-4043 (IF NOT ANODIZED FINISH) OR ER-5356 (IF ANODIZED FINISH) ELECTRODES.

13. ALUMINUM MEMBERS IN CONTACT WITH CONCRETE SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.4 OF THE FLORIDA BUILDING CODE.

14. ALUMINUM MEMBERS IN CONTACT WITH STEEL SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.2 OF THE FLORIDA BUILDING CODE.

15. ALUMINUM MEMBERS IN CONTACT WITH WOOD SHALL BE PROTECTED ACCORDINGLY WITH SECTIONS 2003.8.5 & 2003.8.6 OF THE FLORIDA BUILDING CODE.

16. PAINT, FINISH AND COLOR TO BE SELECTED BY ARCHITECT OF RECORD FOR THE JOB IN COORDINATION W/ WASCO PRODUCTS, INC. AND SHALL COMPLY WITH AAMA 1600 SPECIFICATION, SECTION 3.11.

17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE THIS SKYLIGHT IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. SEE NOTE 3 ABOVE.
CONTRACTOR IS TO SEAL/CAULK W/ URETHANE SEALANT ALL SKYLIGHT COMPONENT EDGES AS INDICATED ON THIS DRAWING TO PREVENT WIND/RAIN INTRUSION.

18. SKYLIGHT INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

19. SKYLIGHT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION.
ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:
WASCO PRODUCTS
SANFORD, MAINE.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

20. (a) THE PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. PROFESSIONAL OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

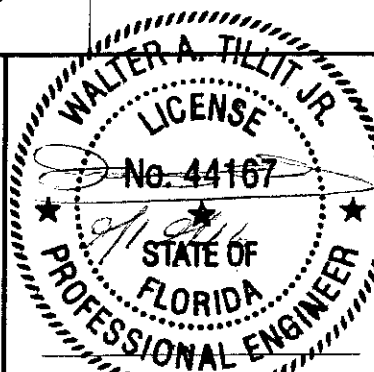
(e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

SHEET INDEX:

- 1 THRU 15 OF 27: PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED / INSULATED GLASS.
- 16 THRU 27 OF 27: HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS.

PRODUCT REVISED
as complying with the Florida
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Acceptance No 16-1018-02
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Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tiltco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

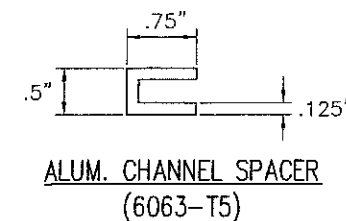
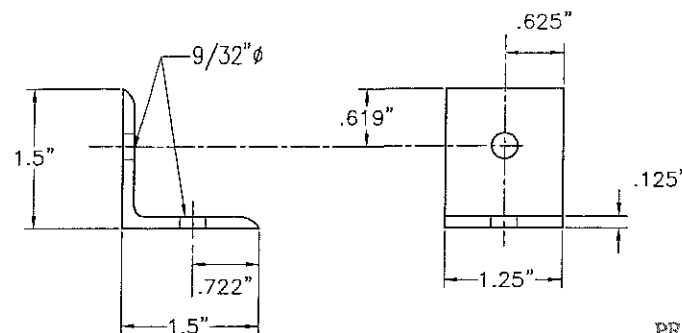
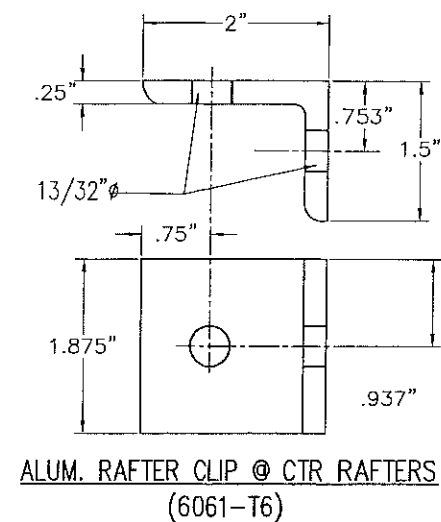
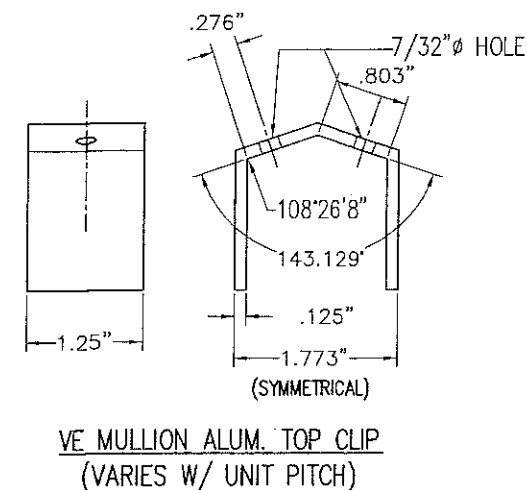
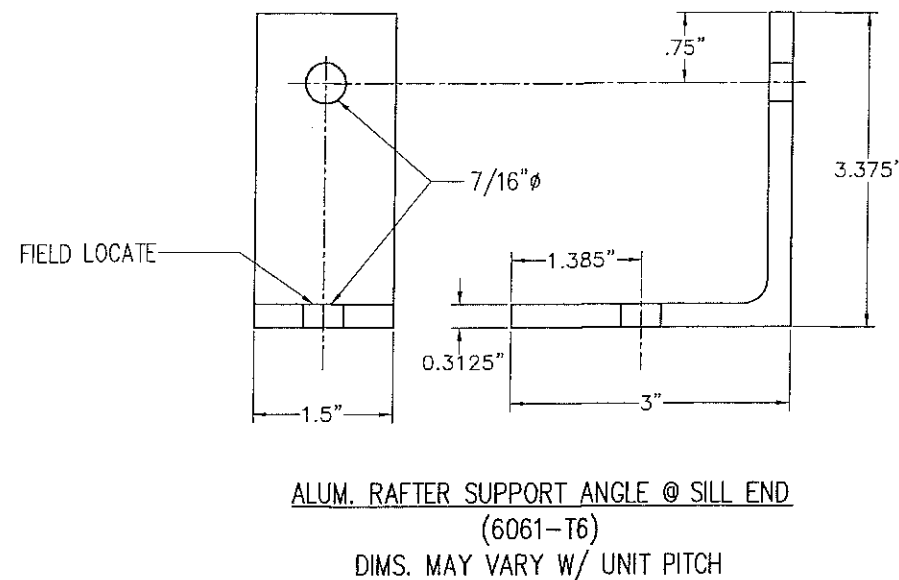
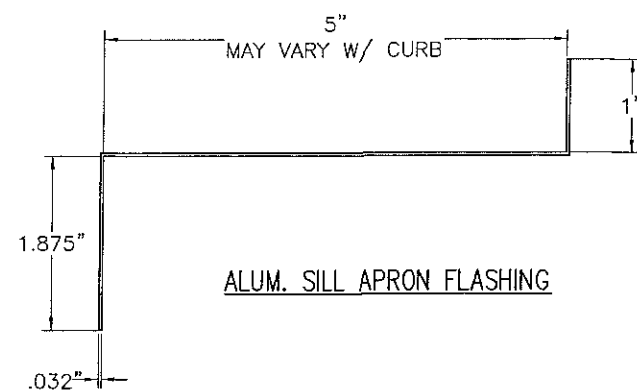
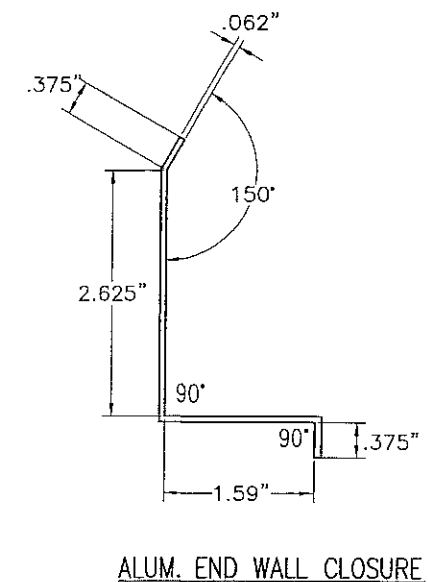
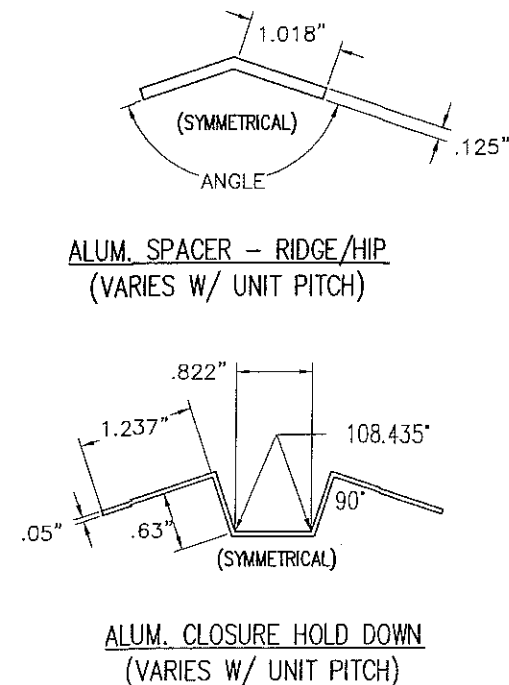
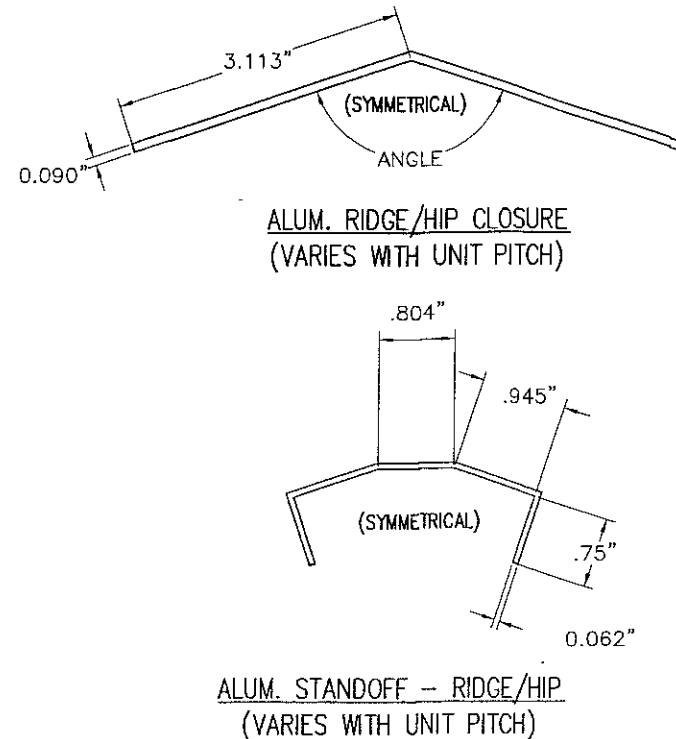
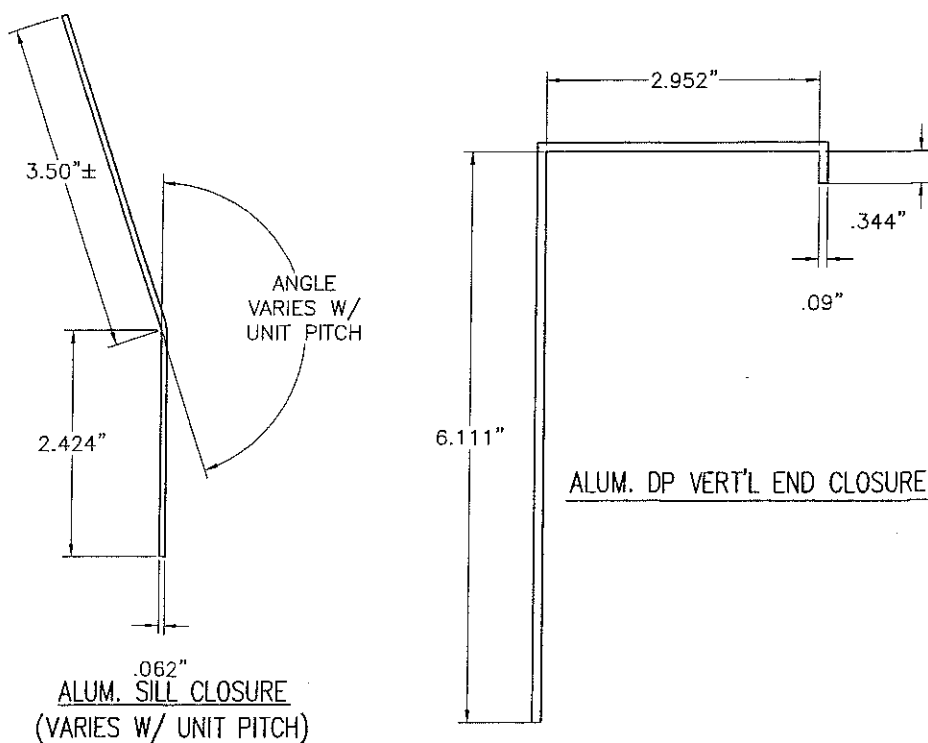
DRAWN BY:
M.L.

06/1/15
DATE

15-302
DRAWING No

SHEET 1 OF 27

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2			4		



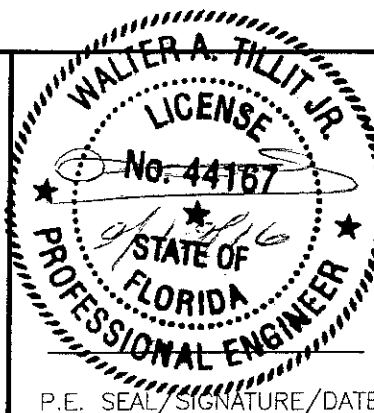
COMPONENTS

SCALE: 1/2"=1"

PRODUCT RENEWED
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MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
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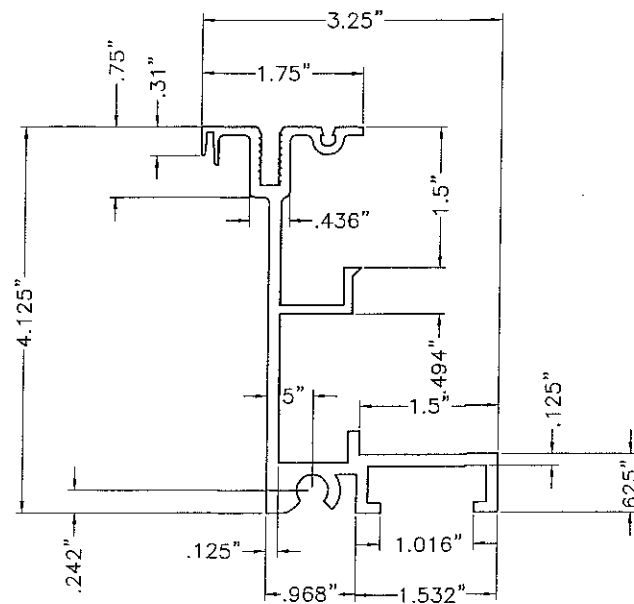
DRAWN BY:
M.L.

06/1/15
DATE

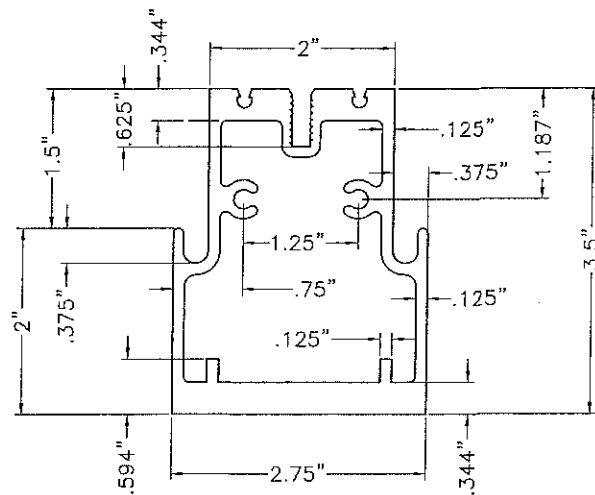
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DRAWING No

SHEET 2 OF 27

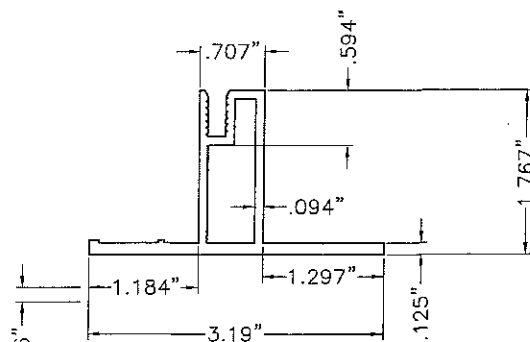
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 12-007	06/1/15	3		
2			4		



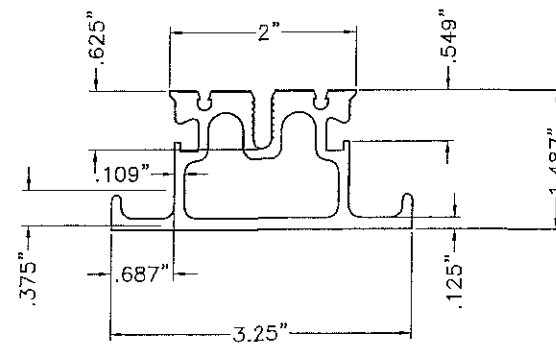
SILL EXTRUSION (35S)



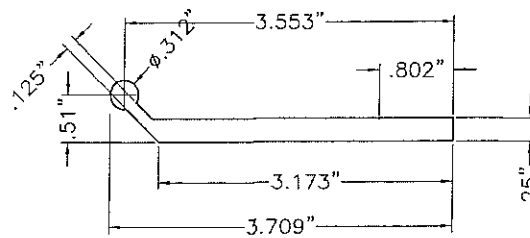
PINNACLE HR (35RF)
RAFTER EXTRUSION



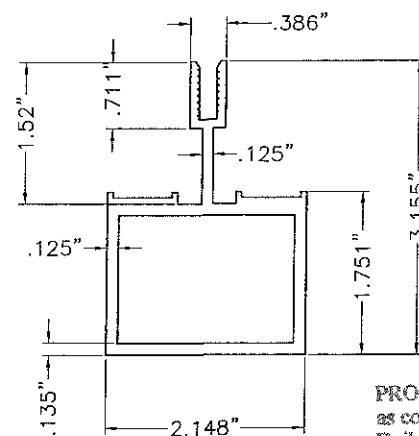
VE RAKE SASH EXTRUSION (H-RS)



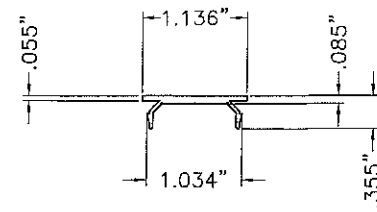
PURLIN EXTRUSION (4P1)



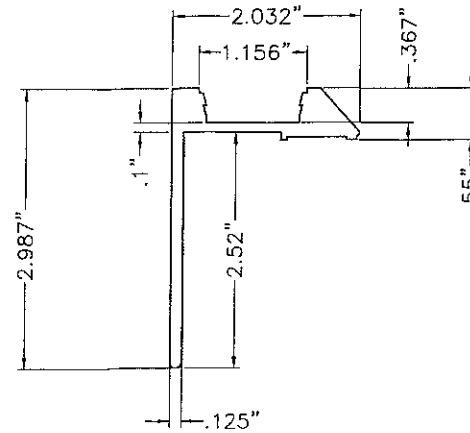
BASE PLATE EXTRUSION (BP-1)



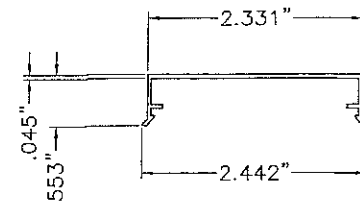
VE MULLION EXTRUSION (H-M)



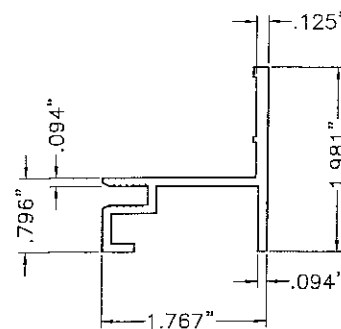
SILL CLOSURE CAP EXTRUSION



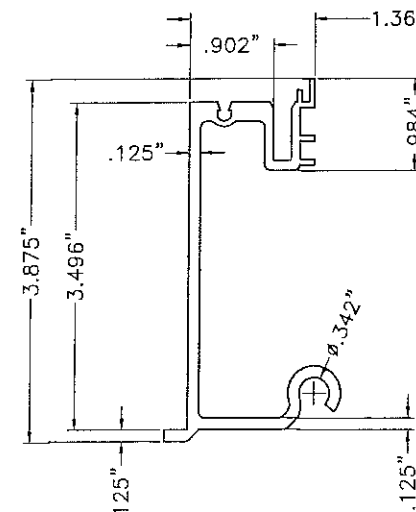
SILL PERIMETER TAPE CAP EXTRUSION (H-PC)



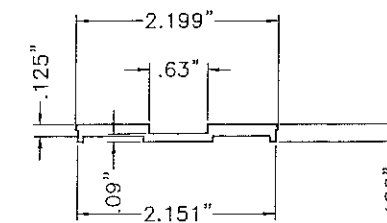
CLOSURE EXTRUSION (H-RCC)



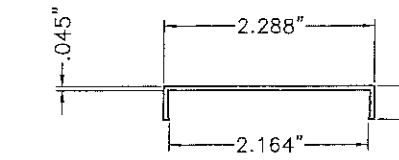
VE SASH EXTRUSION (H-HS)



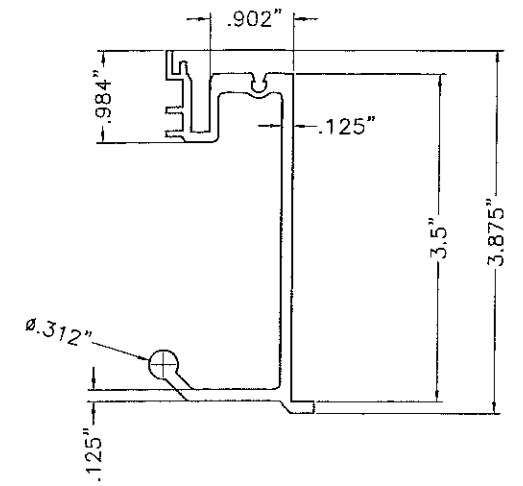
RIDGE/HIP EXTRUSION (35H-1F)



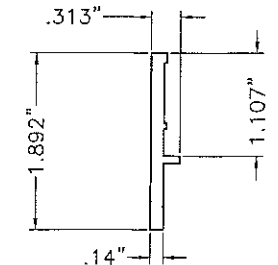
CAP EXTRUSION (H-RC)



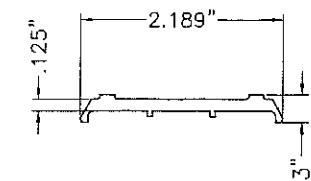
VE MULLION CLOSURE EXTRUSION (H-MCC)



RIDGE/HIP EXTRUSION (35H-1M)



SASH CAP EXTRUSION (H-SC)



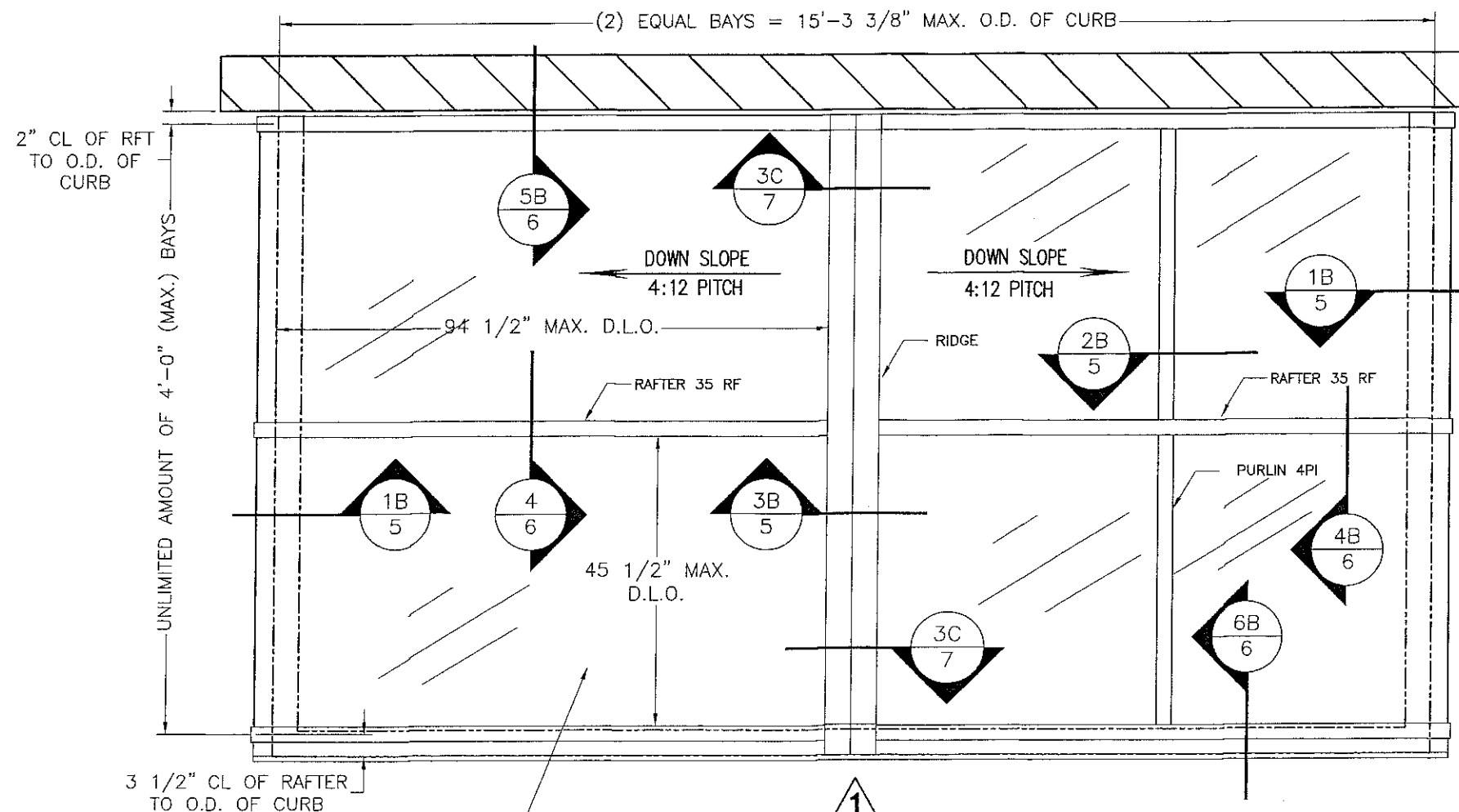
VE MULLION CAP EXTRUSION (H-MC)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 17-0118-05
Expiration Date 02/22/2022
By *Walter A. Tillit Jr.*
Miami Dade Product Control

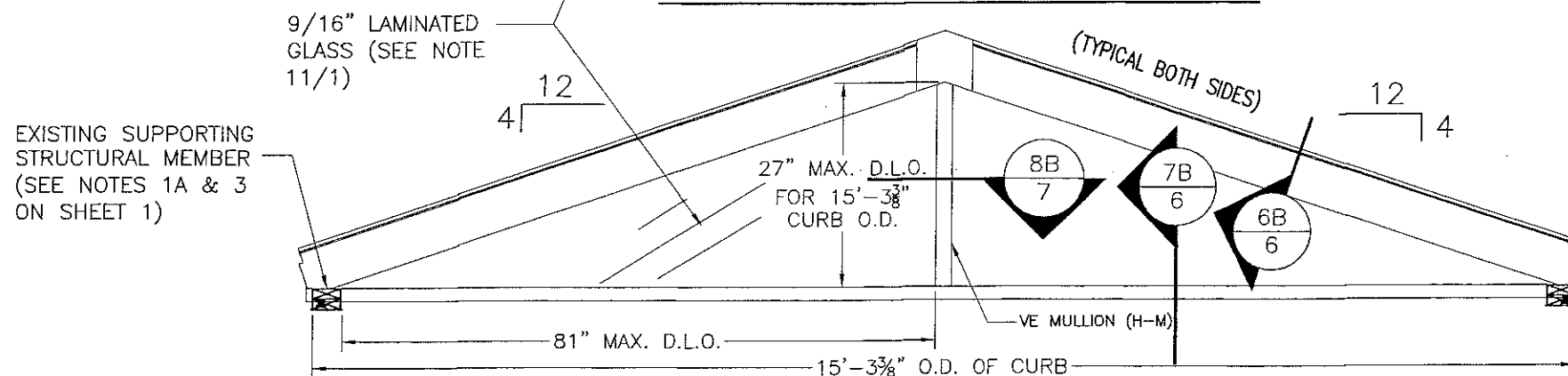
COMPONENTS (CONTINUED)

SCALE: 1/2"=1"

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-1018-02 Expiration Date 02/22/2017 By <i>Walter A. Tillit Jr.</i> Miami Dade Product Control MIAMI-DADE COUNTY			FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE) ©2015 TILTECO, INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 • Fax : (305)871-1531 e-mail: tiltco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED/ INSULATED GLASS. WASCO PRODUCTS, INC. 85 SPENCER DRIVE - UNIT A WELLS, ME 04090 (207) 216-4529 FAX: (207) 216-4566	DRAWN BY: M.L. 06/1/15 DATE 15-302 DRAWING No SHEET 3 OF 27
REV. No 1 2	DESCRIPTION OLD 12-007 	DATE 06/1/15 	REV. No 3 4	DESCRIPTION 	DATE 	



TYPICAL ROOF FRAMING PLAN



ELEVATION 1

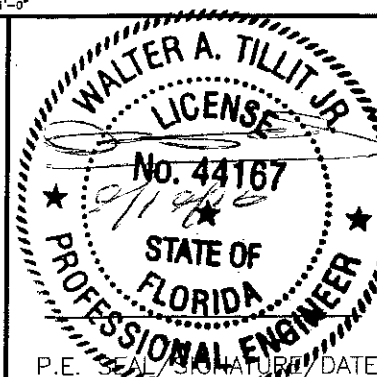
SCALE: 1/2"=1'-0"

PRODUCT RENEWED
as complying with the Florida
Building Code
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Miami-Dade Product Control

LAMINATED GLASS CASE
(9/16" L.G.)

PRODUCT REVISED
as complying with the Florida
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MIAMI-DADE COUNTY



P.E. SIGNATURE/DATE

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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 ; Fax : (305)871-1531
e-mail: Tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

DRAWN BY:
M.L.

06/1/15
DATE

15-302
DRAWING No

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1	OLD 12-007	06/1/15	3		
2			4		

SHEET 4 OF 27

12

4 UNIT PITCH (MIN.)

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)ALUM. CAP & CLOSURE
(H-RC/H-RCC) $\frac{1}{4}$ -14x1 $\frac{3}{4}$ " S.S. HEX HD SCREW W/
EPDM SEALED WASHER @ 6" O.C.ALUM. GLAZING STOP x 4"
(2) PER BAY @ $\frac{1}{4}$ POINTSALUM. CAP & CLOSURE
(H-RC/H-RCC)DOW CORNING 995 SILICONE
SEALANT CONTINUOUS $\frac{1}{4}$ "x $\frac{5}{8}$ " FOAM STRUCTURAL
GLAZING TAPE (TREMCO SGT921)ALUM. SILL PERIMETER TAPE CAP
& ALUM. CLOSURE CAP
(H-PC/CLSR-3) $\frac{1}{4}$ -14x1 $\frac{3}{4}$ " S.S. HEX HD SCREW W/
EPDM SEALED WASHER @ 6" O.C.SANTOPRENE GLAZING STOP
($\frac{1}{4}$ "x1 $\frac{1}{4}$ "x4" MODIFY TO GLAZING)(2) PER BAY @ $\frac{1}{4}$ POINTSALUM. GLAZING STOP x 4"
(2) PER BAY @ $\frac{1}{4}$ POINTS

URETHANE SEALANT CONT.

 $\frac{1}{4}$ -14x2" S.S. HEX HD SCREW W/
EPDM SEALED WASHER (2) PER RFT.

ALUM. SILL (35S)

URETHANE SEALANT CONT.

.062" ALUM. SILL CLOSURE W/ WELDED
CORNER & SPLICE AS REQUIRED
(SEAL JOINTS).032" ALUM. APRON
(LAP & SEAL CORNERS - DAM ENDS)#10x $\frac{3}{4}$ " ALUM. SD/ST PHILLIPS HD
SCREW W/ $\frac{1}{8}$ "x1" BUTYL TAPE
@ 24" O.C.

URETHANE SEALANT (CONT.)

1B SILL SECTION
5 SCALE: 6"=1'-0"

SCALE: 6"=1'-0"

1/4"

O.D. OF CURB (SEE PLAN)

3/4"

4X6 PT CURB
(TEST CURB)

SEE NOTES 1A/1 & 3 /1.

1/4"

O.D. OF CURB (SEE PLAN)

3/4"

4X6 PT CURB
(TEST CURB)

SEE NOTES 1A/1 & 3 /1.

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(TEST CURB)

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(TEST CURB)

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(TEST CURB)

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(TEST CURB)

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(TEST CURB)

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1/4"

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3/4"

4X6 PT CURB
(TEST CURB)

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3/4"

4X6 PT CURB
(TEST CURB)

SEE NOTES 1A/1 & 3 /1.

1/4"

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3/4"

4X6 PT CURB
(TEST CURB)

SEE NOTES 1A/1 & 3 /1.

1/4"

O.D. OF CURB (SEE PLAN)

3/4"

4X6 PT CURB
(TEST CURB)

SEE NOTES 1A/1 & 3 /1.

1/4"

O.D. OF CURB (SEE PLAN)

3/4"

4X6 PT CURB
(TEST CURB)

SEE NOTES 1A/1 & 3 /1.

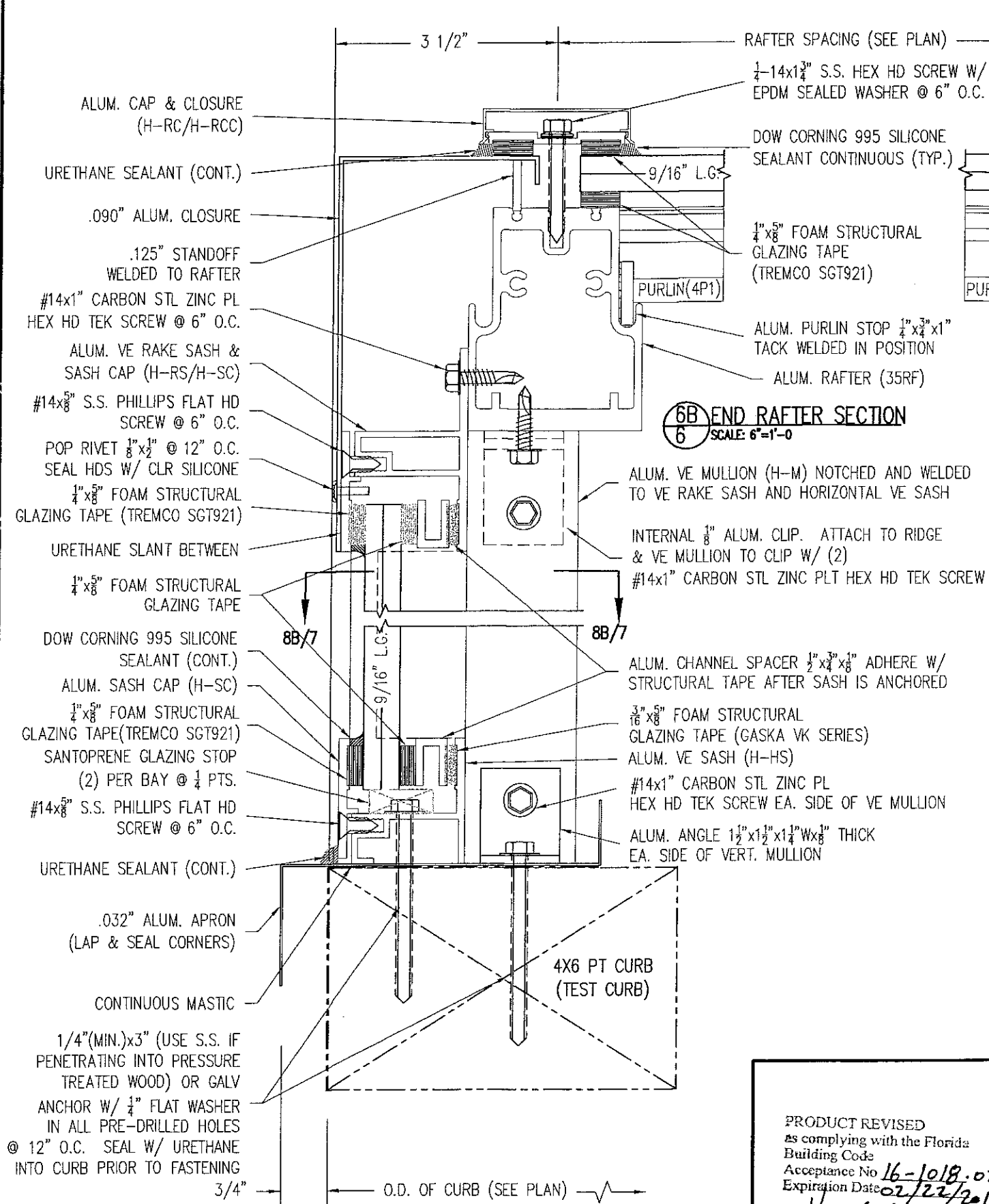
1/4"

O.D. OF CURB (SEE PLAN)

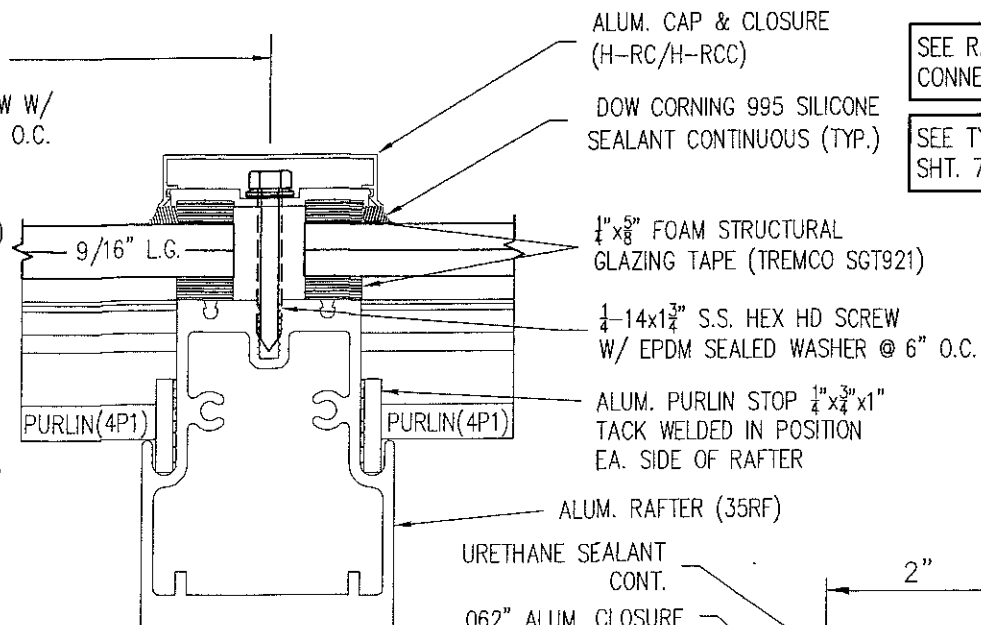
3/4"

4X6 PT CURB
(TEST CURB)

SEE NOTES 1A/1 & 3 /1.



6B END RAFTER SECTION
SCALE: 6"=1'-0"



4B RAFTER SECTION
SCALE: 6"=1'-0"

4 RAFTER SECTION (NO PURLIN)
SCALE: 6"=1'-0"

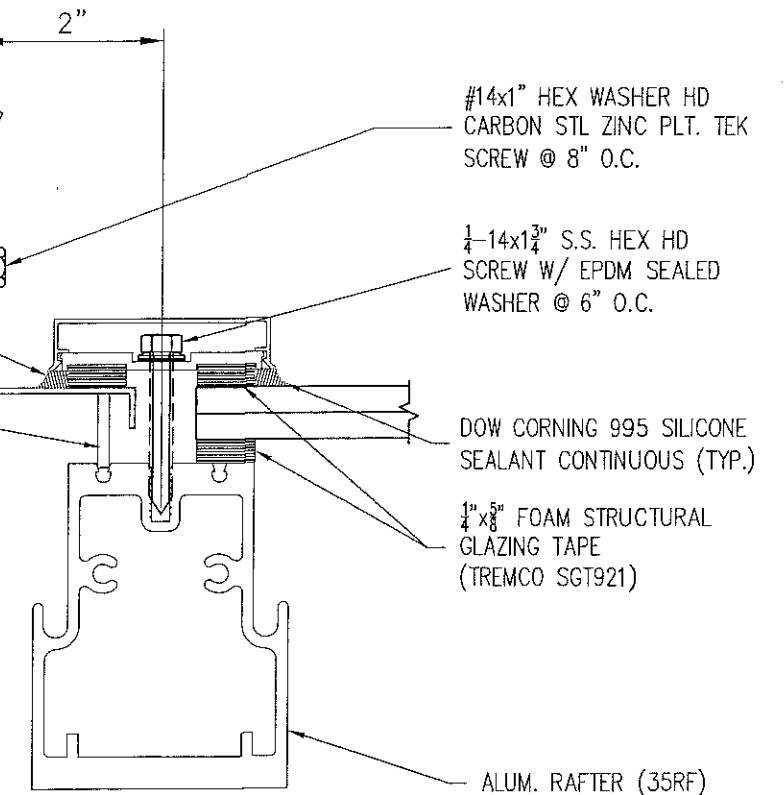
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SEE RAFTER TO PURLIN TIE-CLIP
CONNECTION DETAIL SHT. 14

SEE TYP. GLAZING DETAIL D-D
SHT. 7

URETHANE SEALANT
CONT.

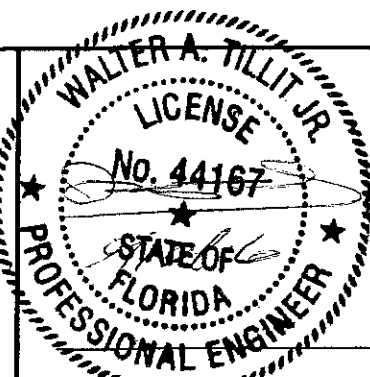
.125" ALUM. STAND-OFF
WELDED TO RAFTER



5B END RAFTER SECTION @ WALL (IF APPLICABLE)
SCALE: 6"=1'-0"

PRODUCT REVISED
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By *Heidi A. Miller*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

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6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
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WALTER A. TILLIT Jr. P.E.
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PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

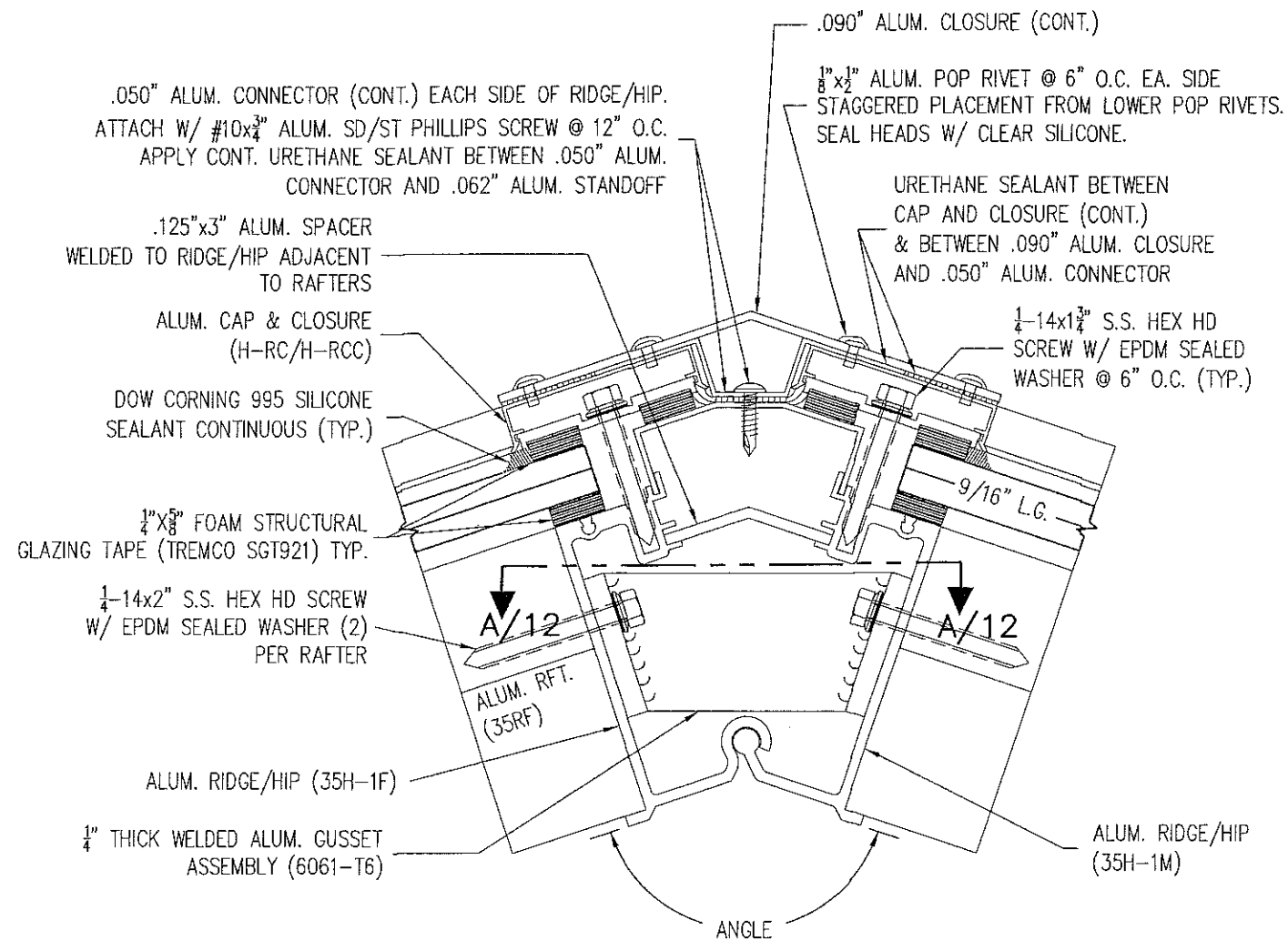
DRAWN BY:
M.L.

06/1/15
DATE

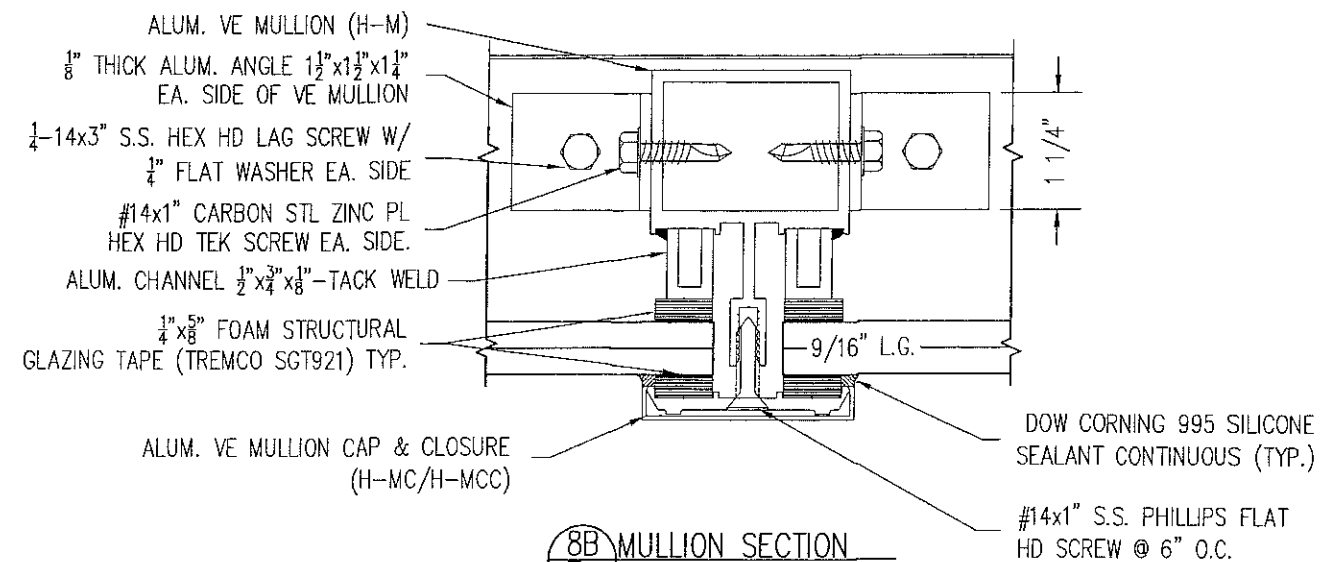
15-302
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SHEET 6 OF 27

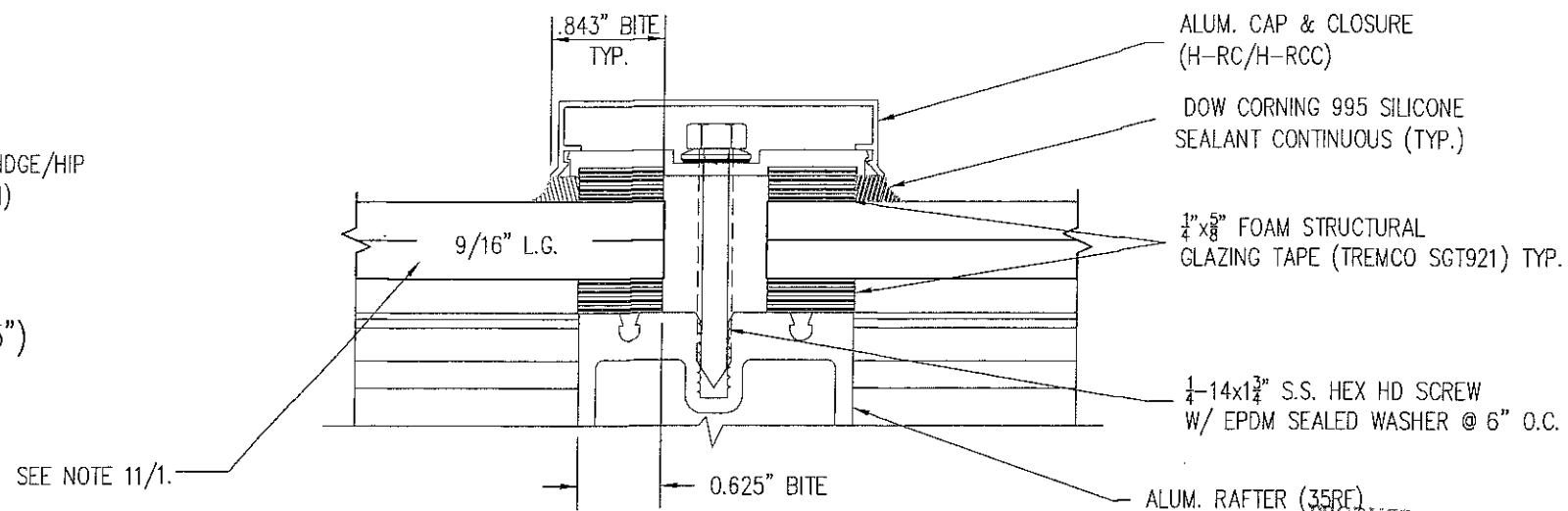
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 12-007	06/1/15	3		
2			4		



3C RIDGE SECTION @ END RAFTERS - (ANGLE - 143°7'45")
SCALE: 6"=1'-0"
ANGLE AT HIP VARIES (NOT INCLUDED)



8B MULLION SECTION
SCALE: 6"=1'-0"

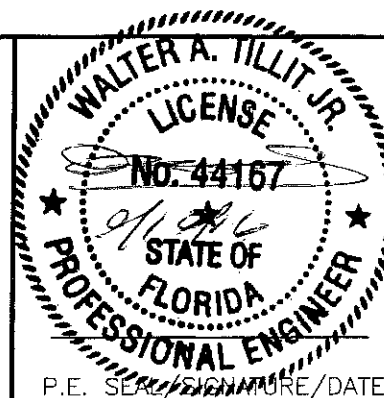


**SECTION D-D
GLAZING DETAIL**
SCALE: NTS

PRODUCT RENEWED
as complying with the Florida
Building Code
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Expiration Date 02/22/2022
By *[Signature]*
Miami Dade Product Control

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Expiration Date 02/22/2017
By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SIGNATURE/DATE

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Phone : (305)871-1530 • Fax : (305)871-1531
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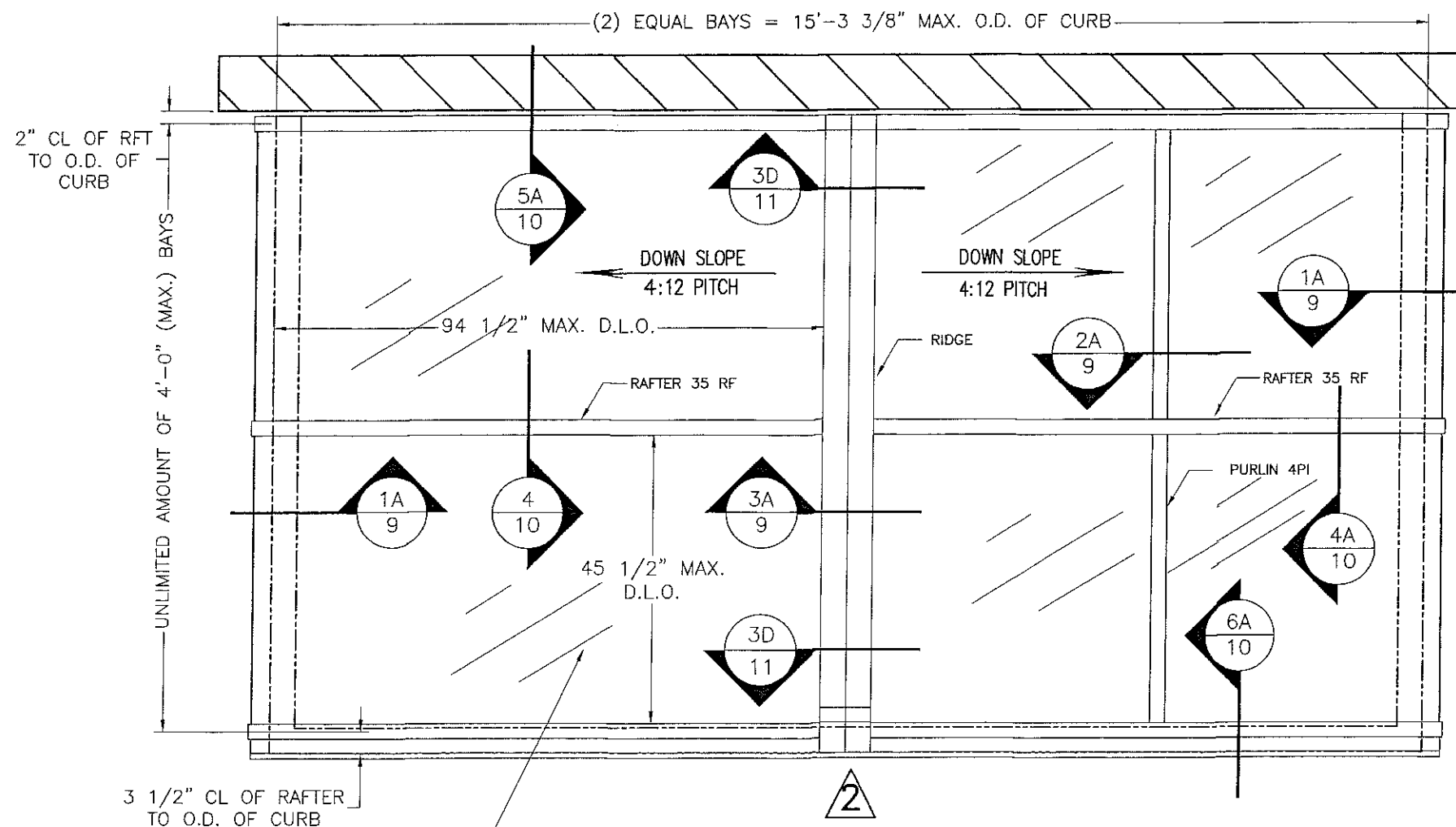
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M.L.

06/1/15
DATE

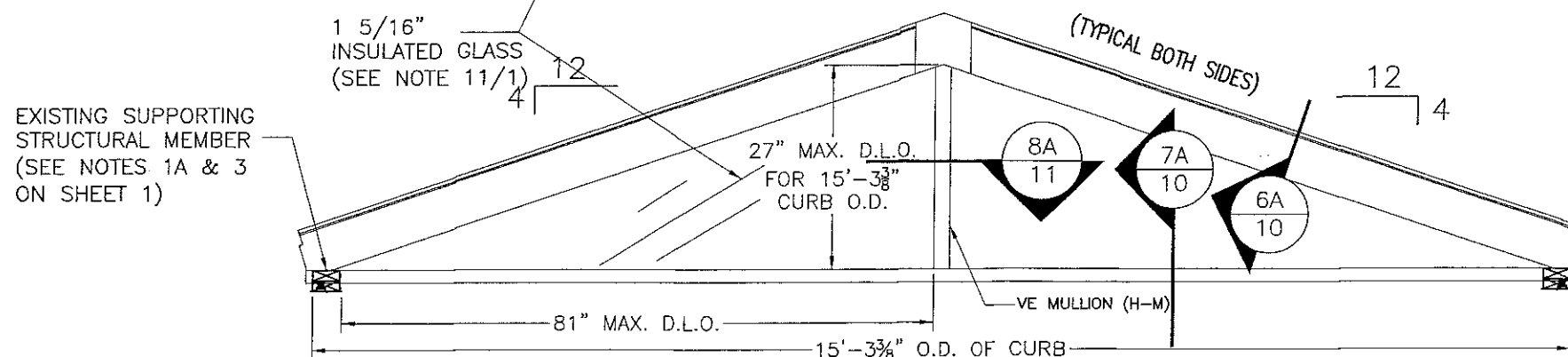
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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 12-007	06/1/15	3		
2			4		

SHEET 7 OF 27



TYPICAL ROOF FRAMING PLAN



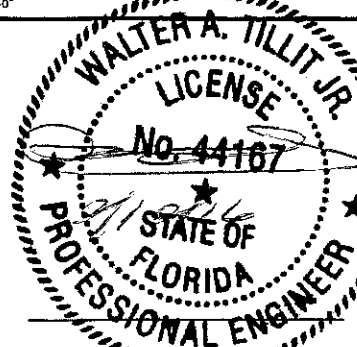
ELEVATION

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 17-0118.05
Expiration Date 02/22/2022
By Heb A. Tillit Jr.
Miami Dade Product Control

INSULATED GLASS CASE
(1 5/16" I.G.)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 16-1018.02
Expiration Date 02/22/2017
By Heb A. Tillit Jr.
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/SIGNATURE/DATE

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6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.
85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

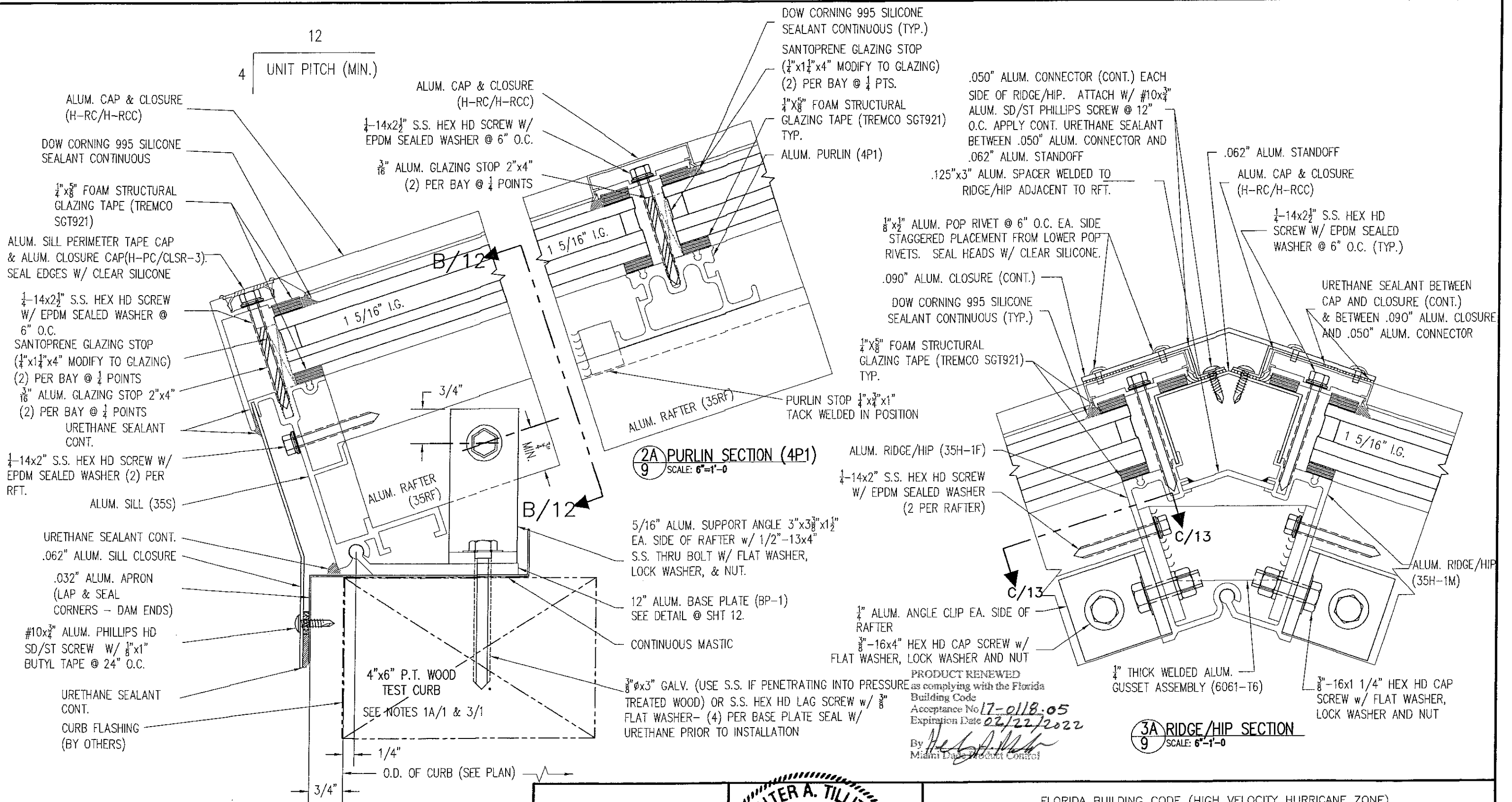
DRAWN BY:
M.L.

06/1/15
DATE

15-302
DRAWING No

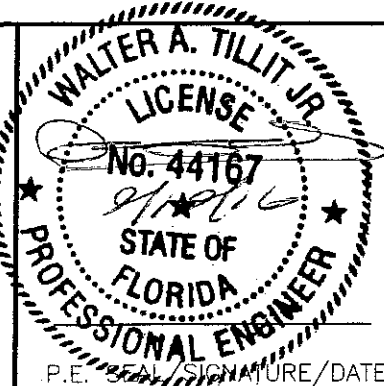
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1	OLD 12-007	06/1/15	3		
2			4		

SHEET 8 OF 27



PRODUCT REVISED
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MIAMI-DADE COUNTY



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GLASS.

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WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

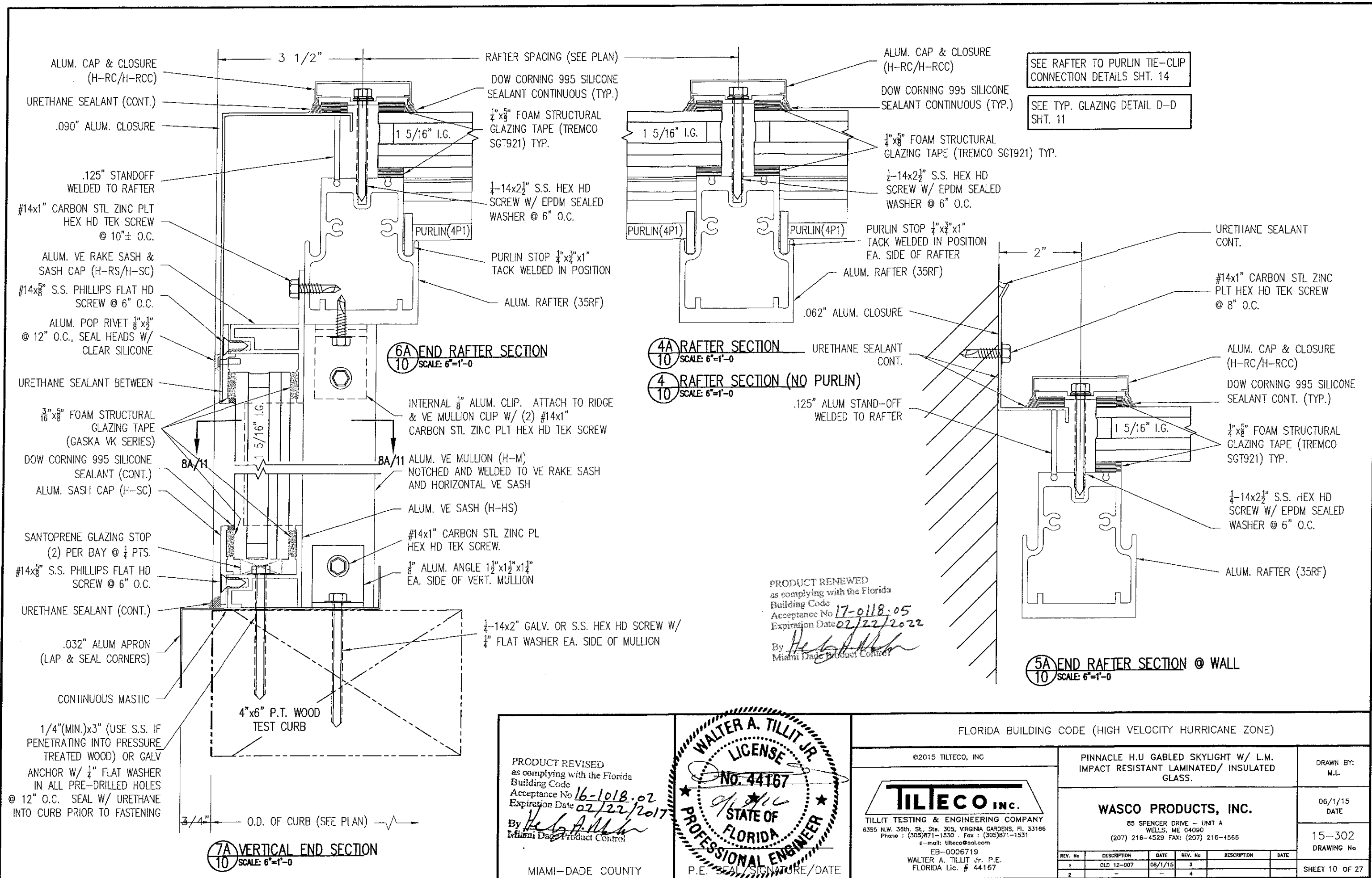
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08/1/15
DATE

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DRAWING No

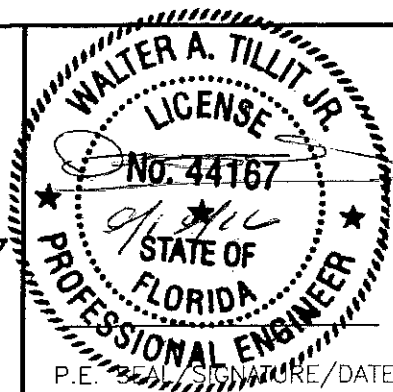
SHEET 9 OF 27

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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By *Heidi A. Miller*
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as complying with the Florida
Building Code
Acceptance No 16-1018-02
Expiration Date 02/22/2017
By *Walter A. Tillit Jr.*
Miami Dade Product Control



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TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tiltco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			WASCO PRODUCTS, INC. 85 SPENCER DRIVE - UNIT A WELLS, ME 04090 (207) 216-4529 FAX: (207) 216-4566		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 12-007	06/1/15	3		
2			4		
DRAWN BY: M.L.			DATE: 06/1/15		
DRAWING No: 15-302			SHEET 10 OF 27		

.050" ALUM. CONNECTOR (CONT.) EACH SIDE OF RIDGE/HIP.
ATTACH W/ #10x $\frac{3}{4}$ " ALUM. SD/ST PHILLIPS SCREW @ 12" O.C.
APPLY CONT. URETHANE SEALANT BETWEEN .050" ALUM.
CONNECTOR AND .062" ALUM. STANDOFF

.125"x3" ALUM. SPACER WELDED TO
RIDGE/HIP ADJACENT TO RFT.

$\frac{1}{8}$ "x $\frac{1}{2}$ " ALUM. POP RIVET @ 6" O.C. EA. SIDE
STAGGERED PLACEMENT FROM LOWER POP RIVETS.
SEAL HEADS W/ CLEAR SILICONE

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)

$\frac{1}{4}$ "x $\frac{5}{8}$ " FOAM STRUCTURAL
GLAZING TAPE (TREMCO SGT921) TYP.

$\frac{1}{4}$ -14x2" S.S. HEX HD SCREW
W/ EPDM SEALED WASHER (2)
PER RAFTER (HIP SIM.)

ALUM. RIDGE/HIP (35H-1F)
ALUM. RFT. (35RF)

.062" ALUM. STANDOFF
ALUM. CAP & CLOSURE
(H-RC/H-RCC)

URETHANE SEALANT BETWEEN
CAP AND CLOSURE (CONT.)

$\frac{1}{4}$ -14x2 $\frac{1}{2}$ " S.S. HEX HD
SCREW W/ EPDM SEALED
WASHER @ 6" O.C. (TYP.)

ALUM. RIDGE/HIP
(35H-1M)

$\frac{1}{4}$ " THICK WELDED
ALUM. GUSSET
ASSEMBLY (6061-T6)

3D RIDGE SECTION @ END RAFTERS
SCALE: 6"-1'-0"

ALUM. VE MULLION (H-M)

$\frac{1}{8}$ " ALUM. ANGLE $1\frac{1}{2}$ "x $1\frac{1}{2}$ "x $\frac{1}{4}$ "
EA. SIDE OF VE MULLION

#14x1" CARBON STL ZINC PL
HEX HD TEK SCREW EA. SIDE.

ALUM. VE MULLION CAP & CLOSURE
(H-MC/H-MCC)

$\frac{1}{4}$ -14x3" GALV. OR S.S. HEX HD LAG SCREW
W/ $\frac{1}{4}$ " FLAT WASHER EA. SIDE

$\frac{3}{16}$ "x $\frac{5}{8}$ " FOAM STRUCTURAL
GLAZING TAPE (GASKA VK SERIES)
TYP. - (2) ON VE MULLION

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)

#14x1" S.S. PHILLIPS FLAT
HD SCREW @ 6" O.C.

8A MULLION SECTION
SCALE: 6"-1'-0"

0.843" BITE
TYP.

ALUM. CAP & CLOSURE
(H-RC/H-RCC)

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)

$\frac{1}{4}$ "x $\frac{5}{8}$ " FOAM STRUCTURAL
GLAZING TAPE
(TREMCO SGT921) TYP.

$\frac{1}{4}$ -14x2 $\frac{1}{2}$ " S.S. HEX HD
SCREW W/ EPDM SEALED
WASHER @ 6" O.C.

ALUM. RAFTER (35RF)

1 5/16" I.G.

SEE NOTE 11/1.

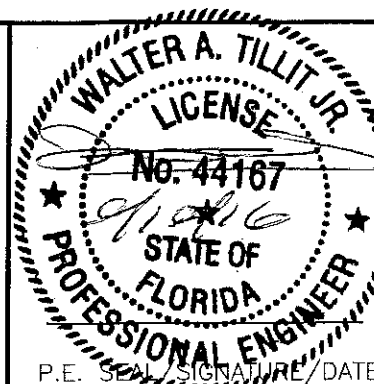
0.625" BITE TYP.

**SECTION D-D
GLAZING DETAIL**
SCALE: NTS

PRODUCT RENEWED
as complying with the Florida
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By *Heidi A. Miller*
Miami-Dade Product Control

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Miami-Dade Product Control

MIAMI-DADE COUNTY



P.E. SIGNATURE/DATE

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WALTER A. TILLIT Jr. P.E.
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PINNACLE H.U GABLED SKYLIGHT W/ L.M.
IMPACT RESISTANT LAMINATED/ INSULATED
GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

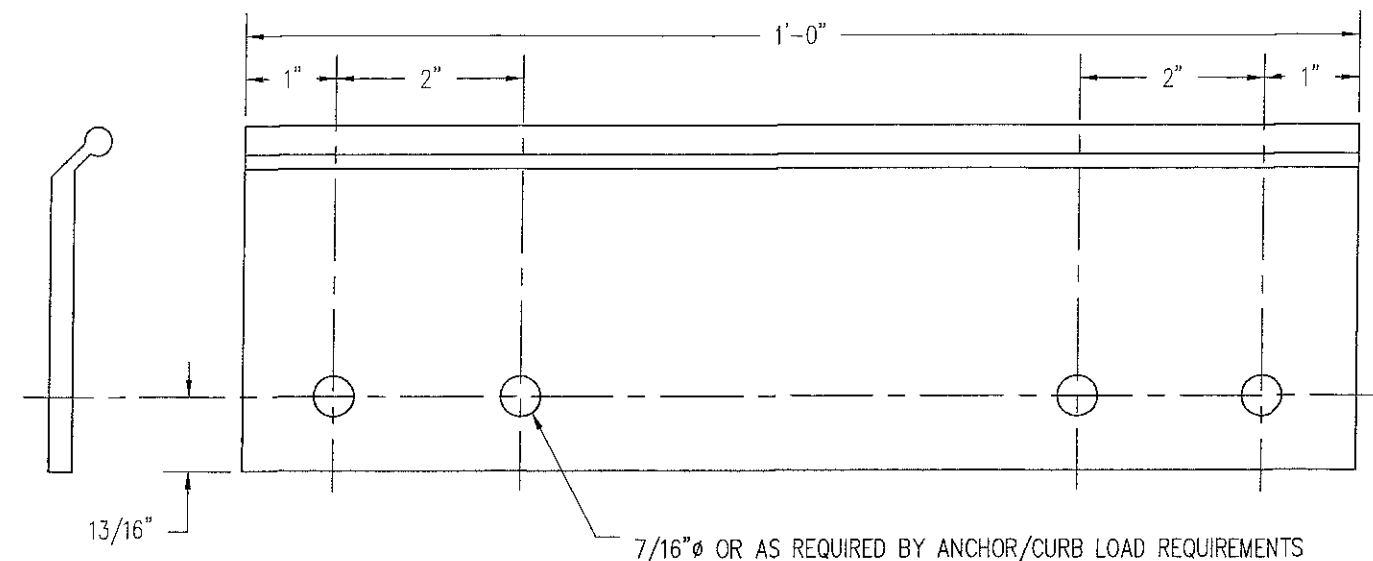
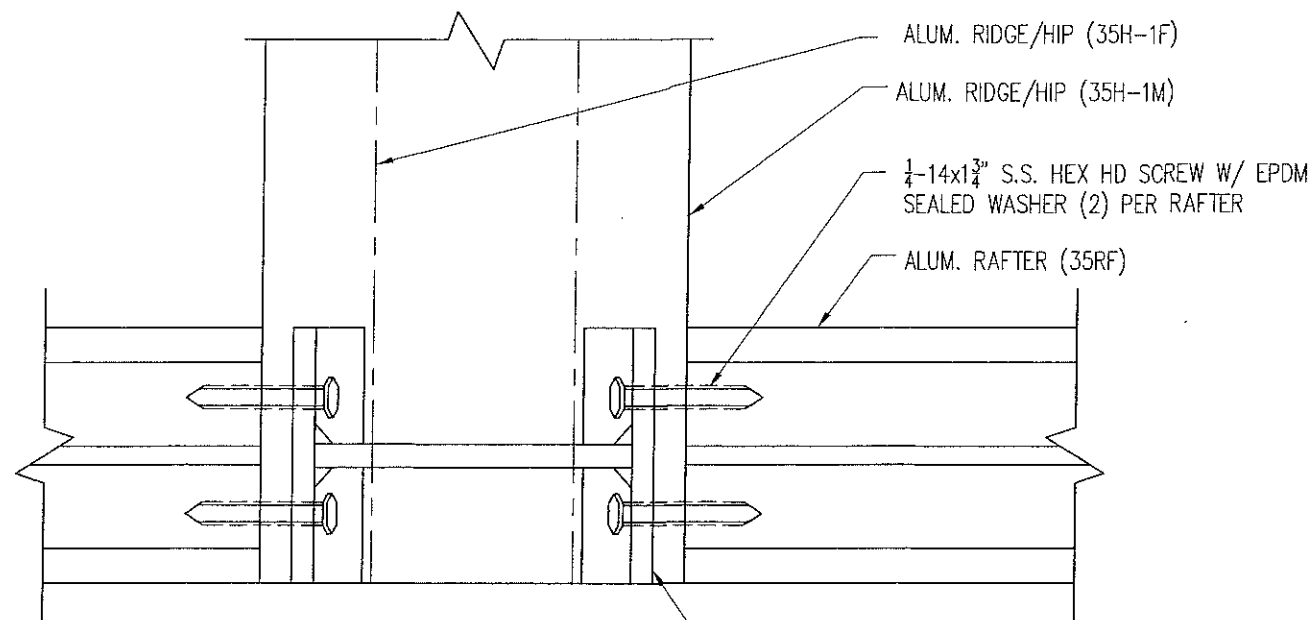
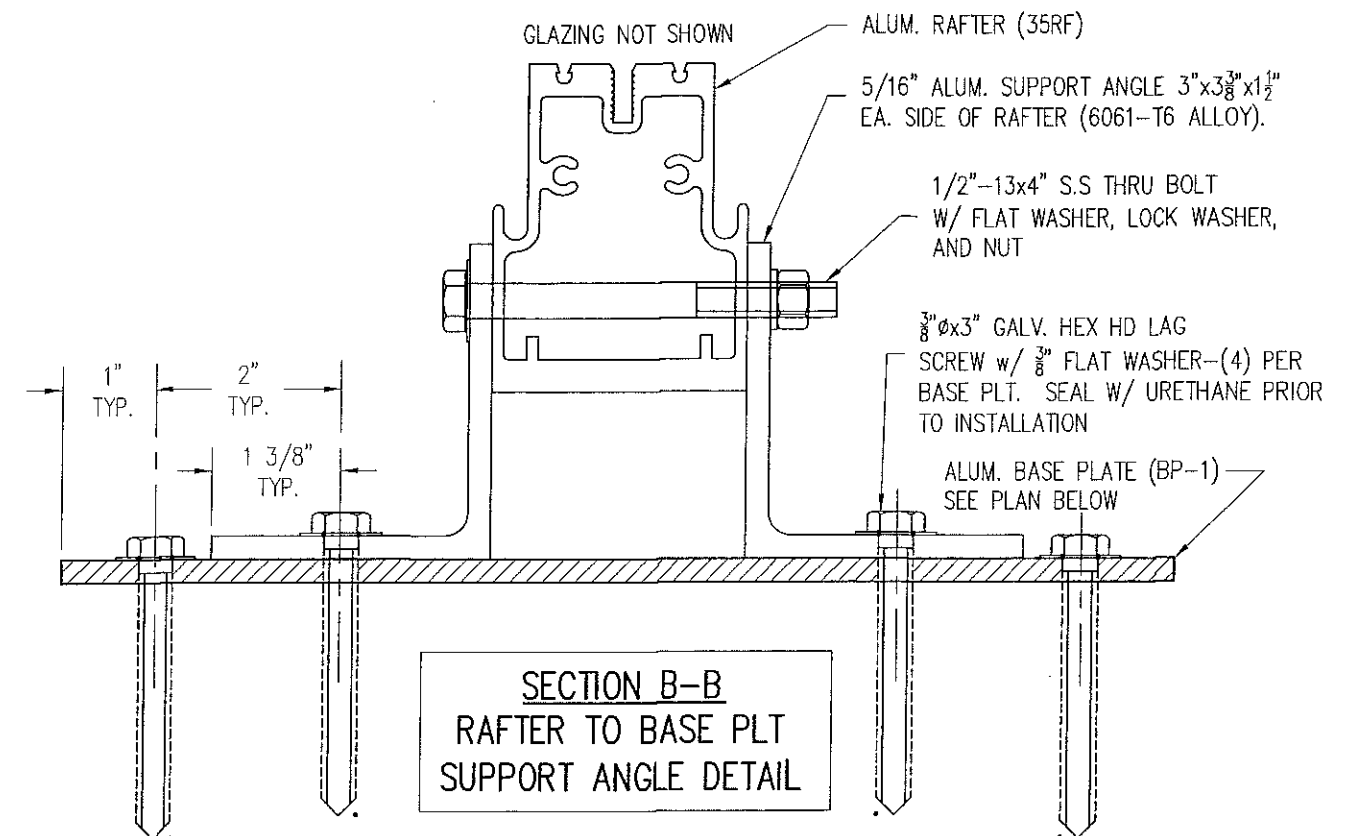
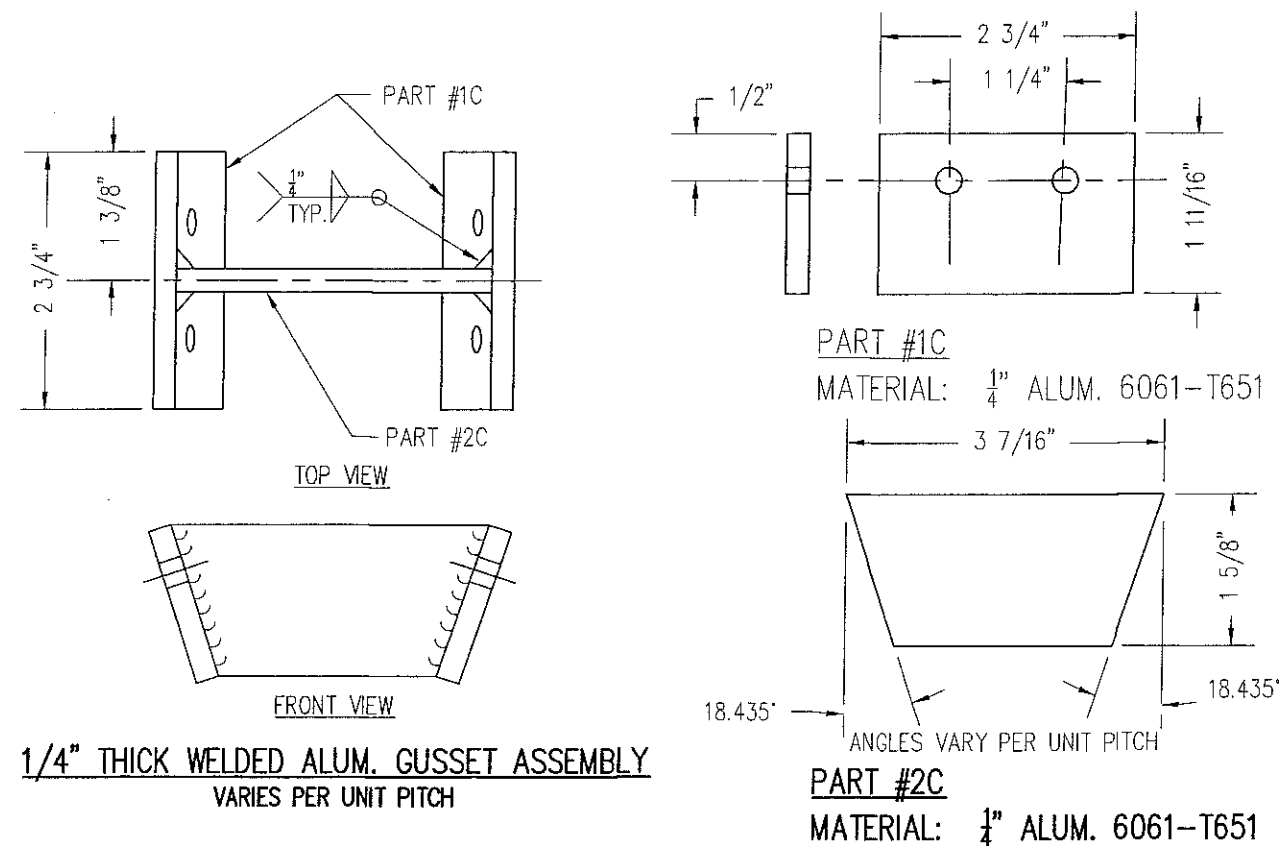
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06/1/15
DATE

15-302
DRAWING No

SHEET 11 OF 27

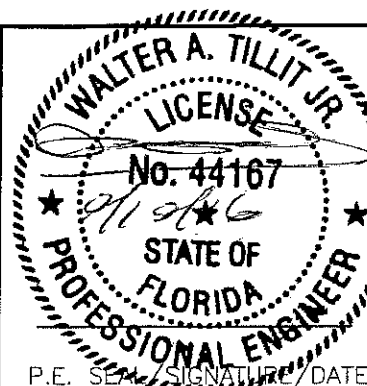
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2			4		



PRODUCT RENEWED
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MIAMI-DADE COUNTY



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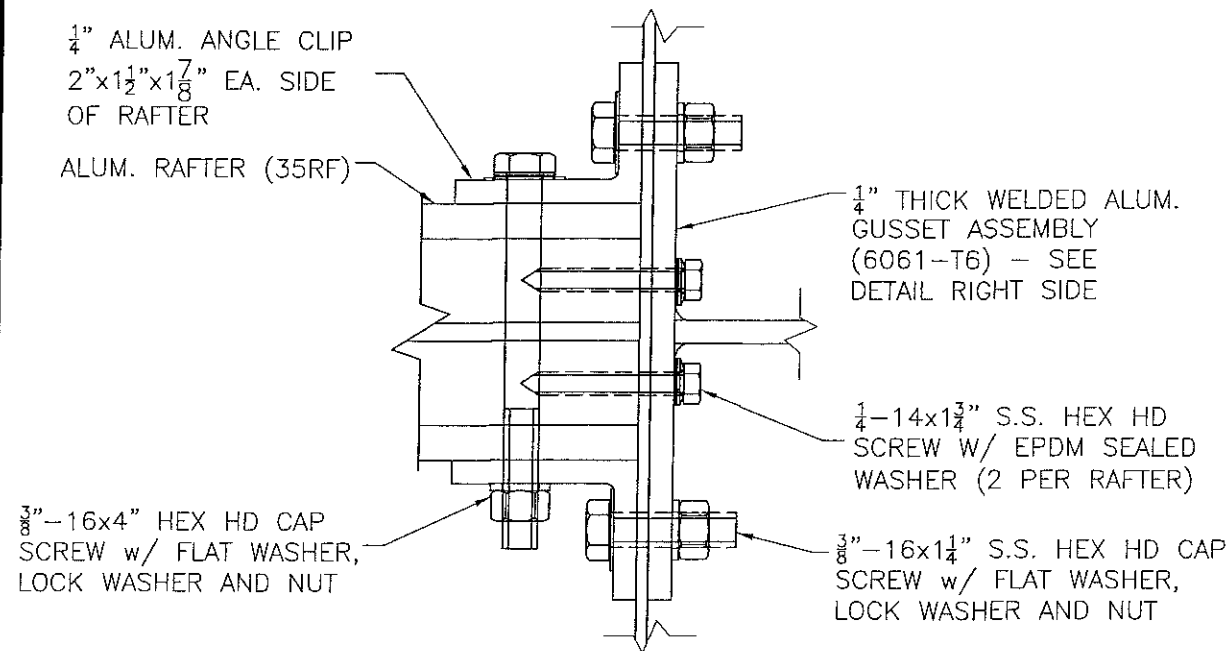
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06/1/15
DATE

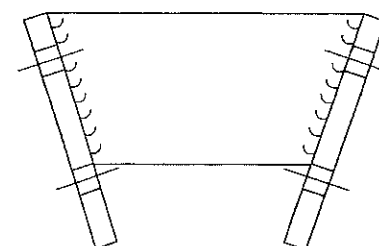
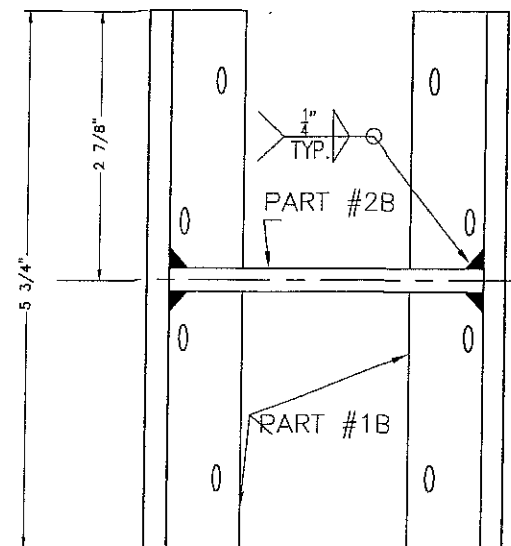
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DRAWING No

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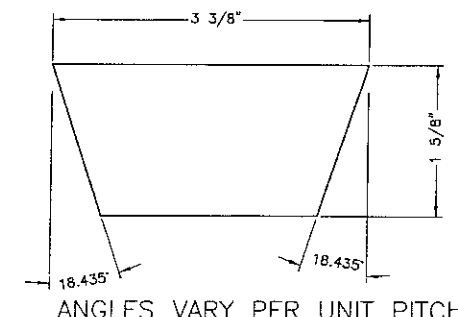
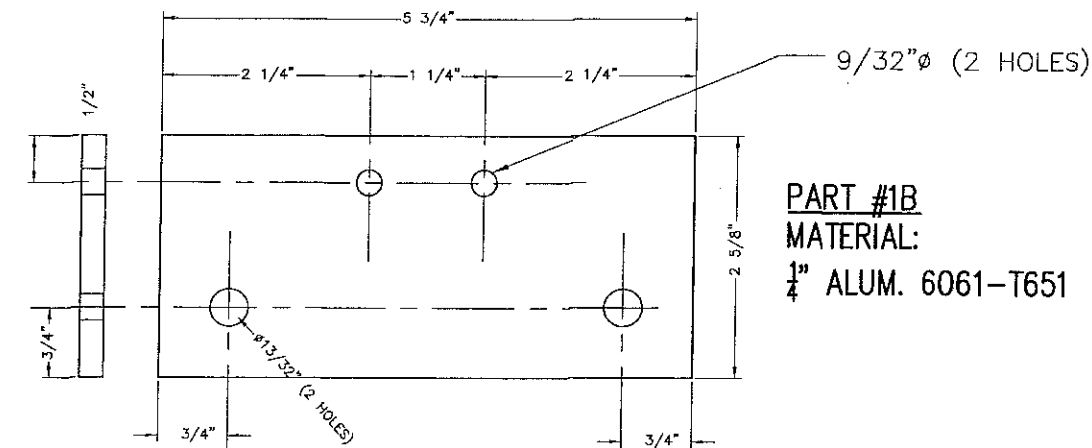
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SECTION C-C
CENTER RAFTER CONNECTION
DETAIL

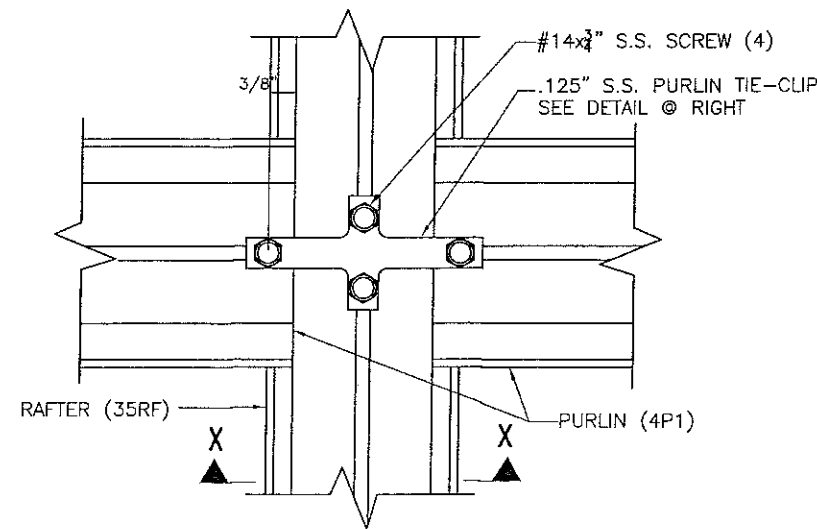


1/4" THICK WELDED ALUM. GUSSET ASSEMBLY

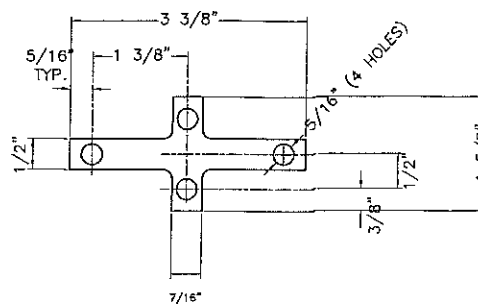


PRODUCT RENEWED
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By *[Signature]*
Miami Dade Product Control

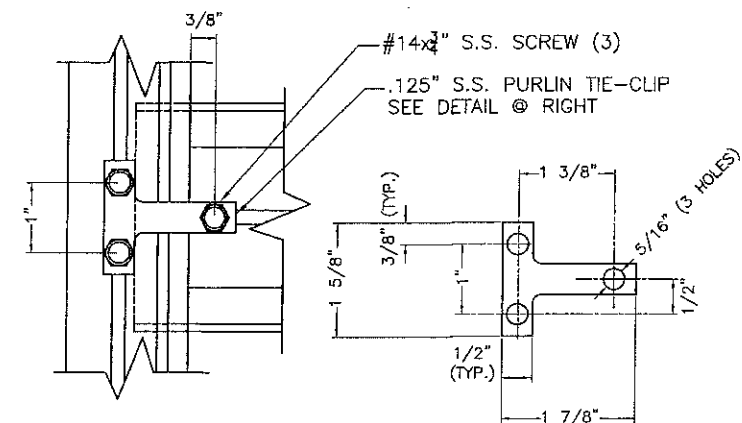
<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-1018.02 Expiration Date 02/22/2017 By <i>[Signature]</i> Miami Dade Product Control</p> <p>MIAMI-DADE COUNTY</p>		<p>WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER P.E. SIGNATURE DATE</p>	<p>FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)</p> <p>©2015 TILTECO, INC.</p> <p>TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167</p>		<p>PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED/ INSULATED GLASS.</p> <p>WASCO PRODUCTS, INC. 85 SPENCER DRIVE -- UNIT A WELLS, ME 04090 (207) 216-4529 FAX: (207) 216-4566</p>	<p>DRAWN BY: M.L.</p> <p>06/1/15 DATE</p> <p>15-302 DRAWING No</p> <p>SHEET 13 OF 27</p>																
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2			4																			



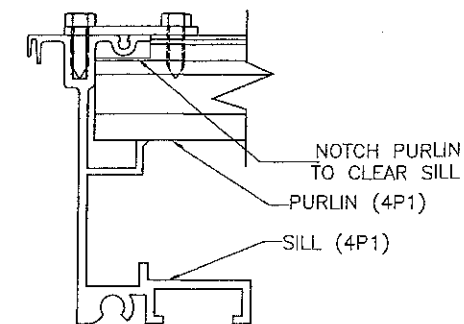
RAFTER TO PURLIN CONNECTION (PLAN)



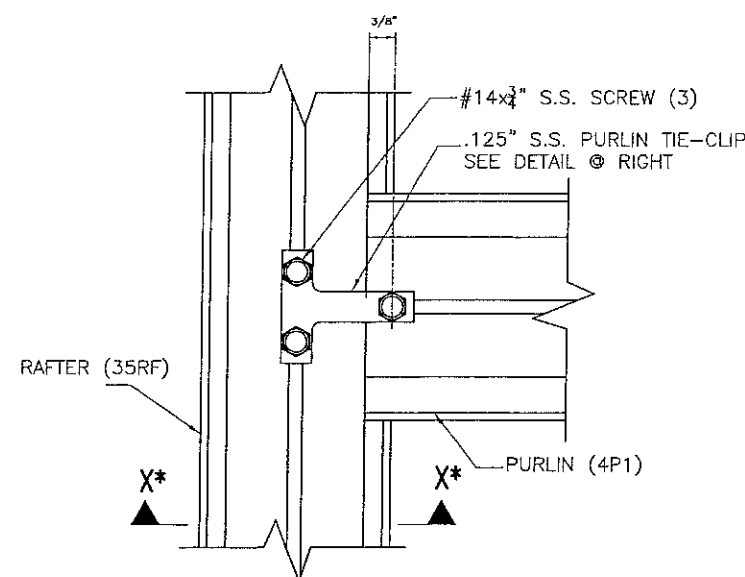
PURLIN TIE-CLIP (RAFTER TO PURLIN), 1/8" THICK
(AISI 304 STAINLESS STEEL)



PURLIN TIE-CLIP
(SILL & END RAFTER TO PURLIN)
(AISI 304 STAINLESS STEEL)

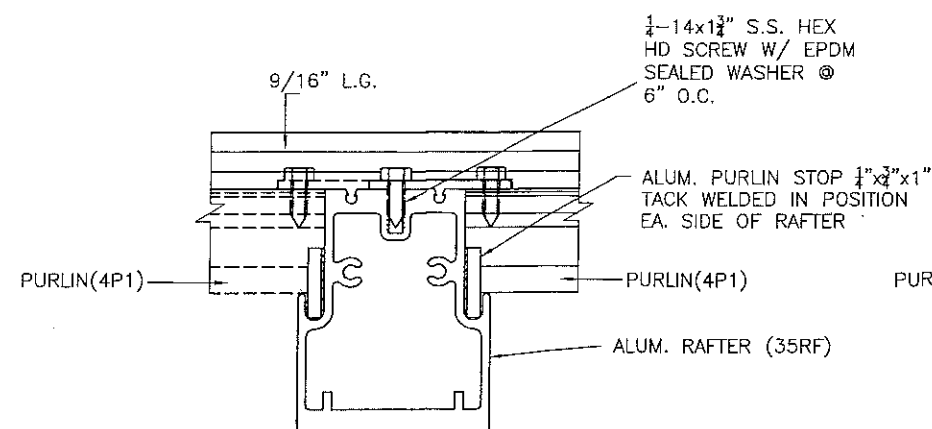


PURLIN TIE-CLIP (SILL TO PURLIN - TYP. SINGLE PITCH UNITS)
(AISI 304 STAINLESS STEEL)

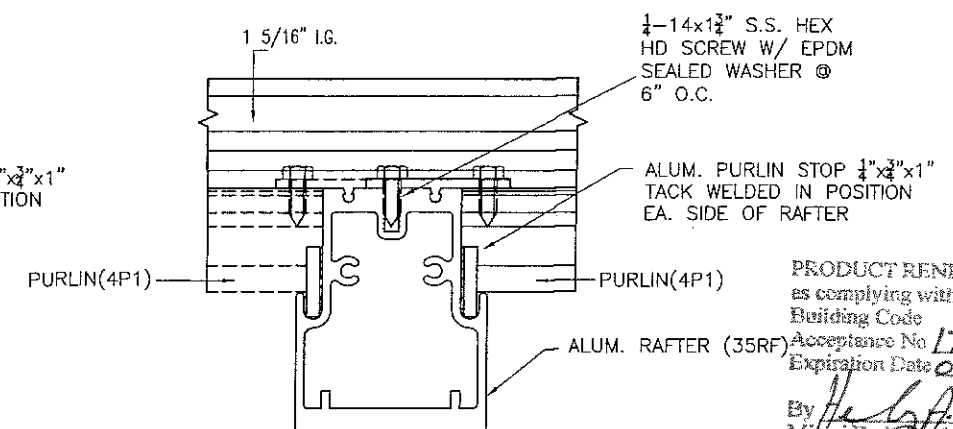


* SIMILAR ONE DIRECTION ONLY.

END RAFTER TO PURLIN CONNECTION (PLAN)



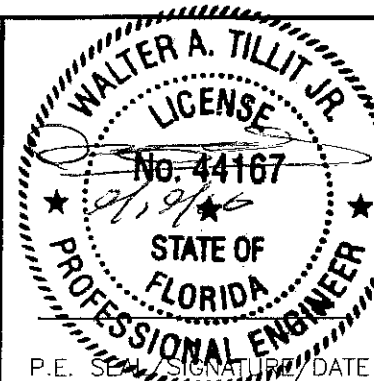
SECTION X-X (L.G. & I.G.)



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Expiration Date 02/22/2022
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
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Building Code
Acceptance No 16-1018.02
Expiration Date 02/22/2017
By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY



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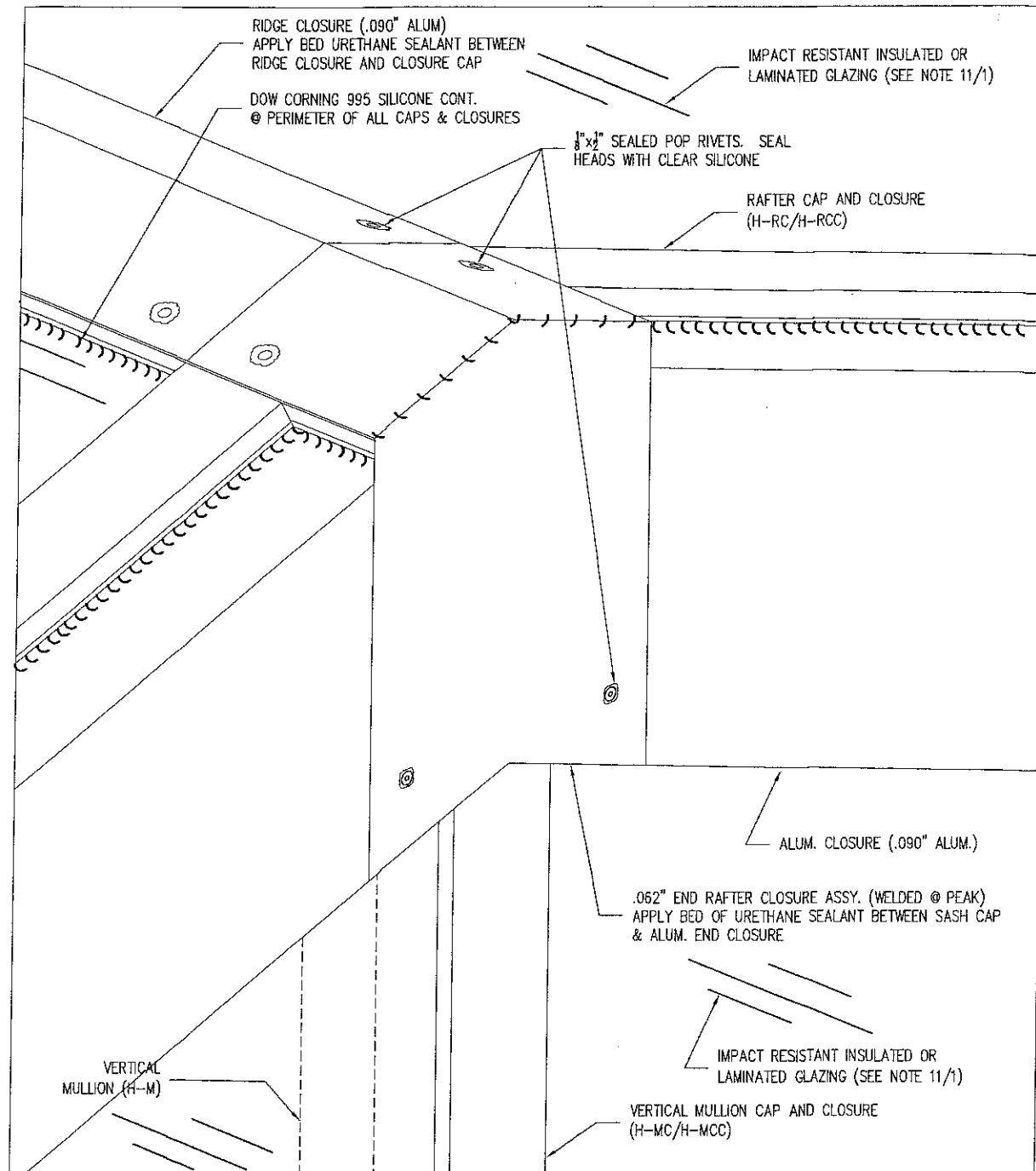
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M.L.

06/1/15
DATE

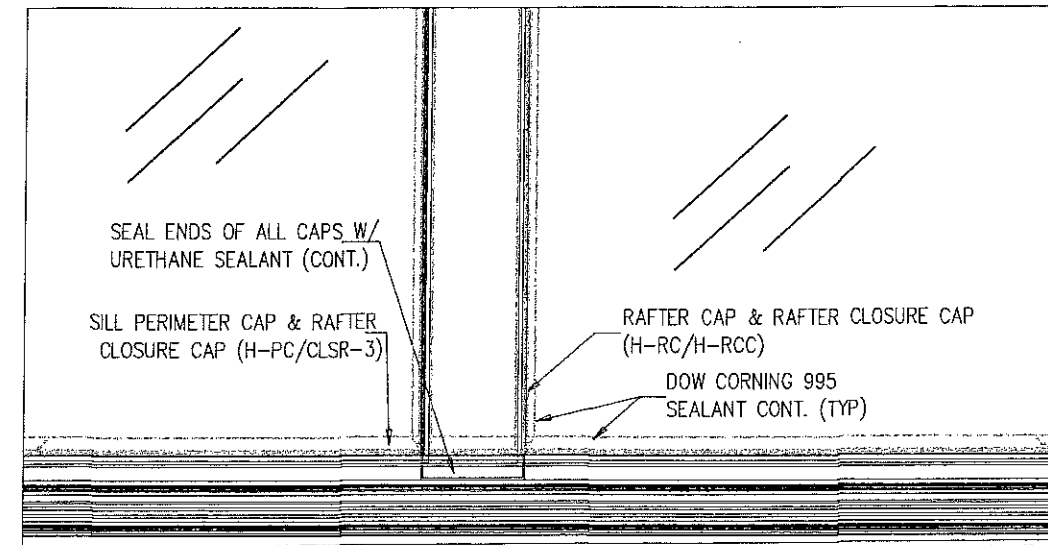
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DRAWING No

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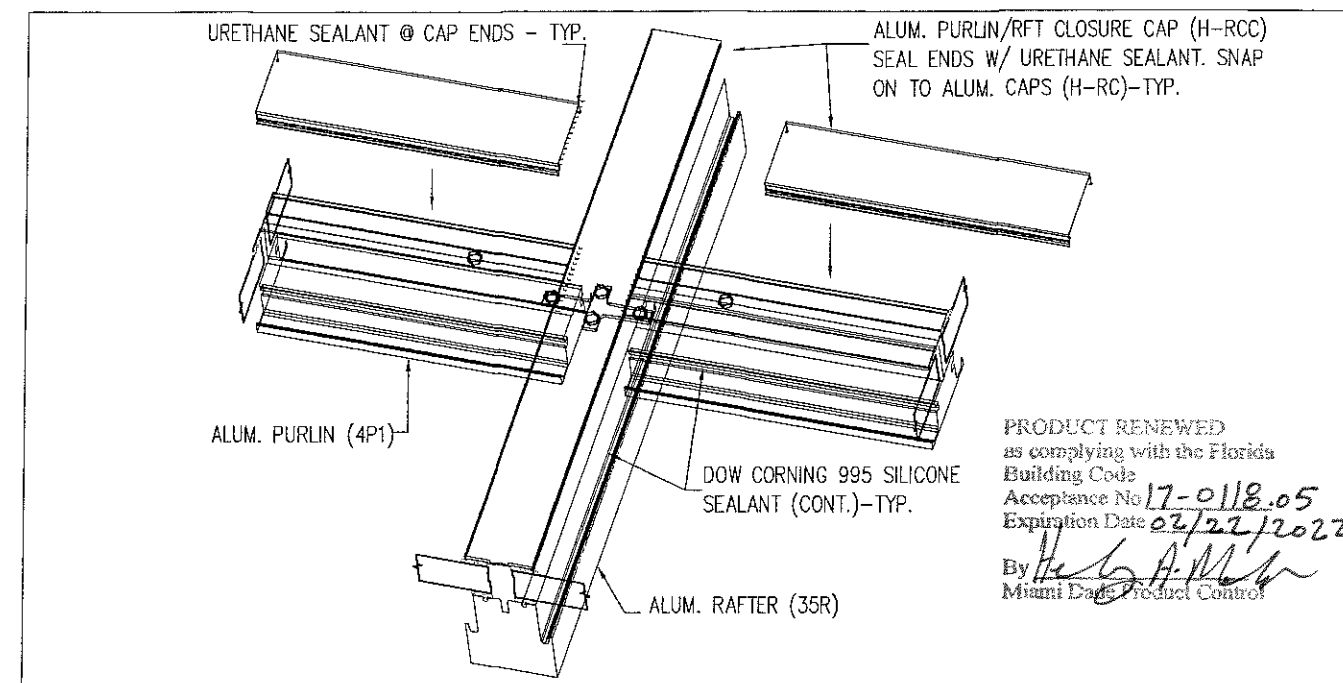
SHEET 14 OF 27



END RAFTER CLOSURE DETAIL
SCALE: 6" = 1'-0"



TYP. SEALANT DETAIL AT SILL/RAFTER
SIMILAR AT RAFTER TO RIDGE CAP/CLOSURE CONNECTIONS
SCALE: NTS



TYP. SEALANT DETAIL AT PURLIN/RAFTER
SCALE: NTS

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No <u>16-1018.02</u> Expiration Date <u>02/22/2017</u> By <u>Walter A. Tillit Jr.</u> Miami Dade Product Control</p> <p>MIAMI-DADE COUNTY</p>		<p>FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)</p> <p>©2015 TILTECO, INC.</p> <p>TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com EB-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167</p>		<p>PINNACLE H.U GABLED SKYLIGHT W/ L.M. IMPACT RESISTANT LAMINATED/ INSULATED GLASS.</p> <p>WASCO PRODUCTS, INC. 85 SPENCER DRIVE - UNIT A WELLS, ME 04090 (207) 216-4529 FAX: (207) 216-4566</p>		<p>DRAWN BY: M.L.</p> <p>06/1/15 DATE</p> <p>15-302 DRAWING No</p> <p>SHEET 15 OF 27</p>	
<p>REV. No DESCRIPTION DATE</p> <p>1. OLD 12-007 05/11/15</p> <p>2. - - -</p>		<p>REV. No DESCRIPTION DATE</p> <p>3. - - -</p> <p>4. - - -</p>					

HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS (VALID ONLY FOR SHEETS 16 THRU 27)

GENERAL NOTES:

1. HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2014 (5th EDITION) OF THE FLORIDA BUILDING CODE. THIS HU-OPY HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED / INSULATED GLASS MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

DESIGN LIVE & WIND LOADS SHALL BE DETERMINED AS PER CHAPTER 16 OF THE ABOVE MENTIONED CODES, USING ASCE 7-10 STANDARD AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW.

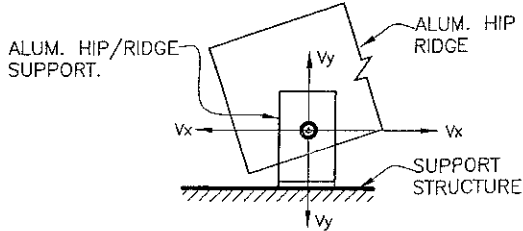
IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW.

IN ORDER TO VERIFY THAT FASTENERS & ANCHORS ON THIS P.A.D. ARE NOT OVERSTRESSED FOR EVERY SINGLE APPLICATION OF THIS SKYLIGHT SYSTEM UNDER A.S.D DESIGN PRESSURE RATINGS INDICATED ON NOTE 2 BELOW, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS SHALL NOT BE USED IN THEIR ANALYSIS.

1A. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR EVERY PERMIT. DRAWINGS MAY INCLUDE LARGER SKYLIGHT WIDTH, LENGTH AND RISE W/ CORRESPONDING LARGER CROSS SECTION HIP/RIDGES, BUT A.S.D. DESIGN PRESSURE RATING AS WELL AS MAX. GLASS PANEL SIZE SHALL **NOT** EXCEED THOSE INDICATED ON THIS DRAWING. (SEE NOTES 2 AND 11 RESPECTIVELY)
THIS P.A.D. COVERS OCTAGONAL PYRAMID SHAPE SKYLIGHTS. OTHER SHAPES/CONFIGURATIONS W/ SLOPED GLASS MAY BE ALSO ACCEPTED, PROVIDED THAT ABOVE MENTIONED CONDITIONS ARE COMPLIED WITH. THE DESIGN OF LARGER COMPONENTS FOR LARGER SKYLIGHTS SHALL BE PERFORMED BY A FLORIDA P.E. AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS. (SEE NOTES 3 & 20).

2. A.S.D. DESIGN PRESSURE RATING AT ROOF IS: +80.0 psf (WINDWARD SIDE), -80.0psf (LEEWARD SIDE).
A.S.D. DESIGN PRESSURE RATING AND LARGE MISSILE IMPACT RESISTANCE OBTAINED THRU TESTING AS PER SECTION 1626.2 OF THE FLORIDA BUILDING CODE, PER PROTOCOLS TAS 201, 202, 203, PER AMERICAN TESTING LABORATORY OF SOUTH FLORIDA REPORT # 0519.01-09.
WATER AND AIR INFILTRATION TESTING HAS BEEN PERFORMED AS PER PROTOCOL TAS 202, QUALIFYING ASTM E 331 AND ASTM E 283 RESPECTIVELY.

3. STRUCTURAL ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS IS NOT PART OF THIS P.A.D. STRUCTURAL DESIGN OF THE STRUCTURE THAT WILL PROVIDE SUPPORT TO THIS SKYLIGHT SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PROJECT. STRUCTURAL DESIGN SHALL INCLUDE AND TAKE INTO CONSIDERATION THE ACTUAL V_x AND V_y LOADS TRANSFERRED FROM THIS SKYLIGHT TO THE SUPPORT STRUCTURE, BASED ON DEAD, LIVE & WIND LOADS AND USING THE LOAD COMBINATIONS AS PER SECTION 2.4 OF APPLICABLE A.S.C.E. 7 STANDARDS. ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS.



4. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.

5. ALL ALUMINUM SHEET SHALL BE ALUMINUM ASSOCIATION 1100-H14 AND 3003-H14 ALLOY AND HARDNESS (SEE DETAILS).

6. ALL SCREWS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES, WITH MIN. TENSILE LOAD CAPACITY $T_u=4275\#$ & MIN. ULTIMATE SHEAR LOAD CAPACITY $S_u=2700\#$, PER ASTM B-593 & B-594 & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

7. ALL ALUMINUM POP RIVETS TO BE 5056 ALUMINUM ALLOY WITH ALUMINUM MANDREL.

8. BOLTS TO BE STAINLESS STEEL AISI 304 OR 316 SERIES WITH 50 ksi Min. YIELD STRENGTH AND 90 ksi Min. TENSILE STRENGTH, PER ASTM B-593 AND B-594.

9. GLAZING SYSTEM SHALL COMPRISE OF THE FOLLOWING COMPONENTS:

9.1. 3/8"x5/8" SGT 1 STRUCTURAL GLAZING TAPE FOR LAMINATED GLASS AND 1/4"x5/8" SGT 1 STRUCTURAL GLAZING TAPE FOR INSULATED GLASS, ON INTERIOR AND EXTERIOR SIDE OF GLASS.

9.2. (2) EXTRUDED ALUMINUM 3/16" GLAZING STOPS WERE INSERTED INTO THE SILL EXTRUSION (35S) AT 1/4" POINTS UNDER GLASS.

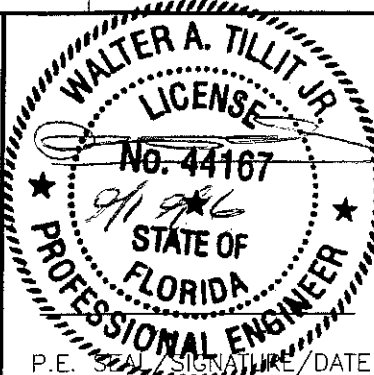
9.3. STRUCTURAL SILICONE FOR GLASS SEALANT AT SILL AND SLOPPED MULLIONS TO BE DOW CORNING 995 SILICONE STRUCTURAL ADHESIVE.

9.4. (2) BLACK THERMOPLASTIC RUBBER 1 1/4" GLAZING BUMPERS AT BOTTOM OF GLASS, LOCATED AT 1/4" POINTS.

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By *Walter A. Tillit Jr.*
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as complying with the Florida
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Acceptance No 16-1018.02
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By *Walter A. Tillit Jr.*
Miami Dade Product Control

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10. ALL SPLICED FLASHING (ALUM. APRON) TO BE LAPPED WITH 3" MIN. OVERLAP AND SEALED WITH TREMCO VULKEM SEALANT.

11. GLASS OPTIONS:

- (a) 9/16" LAMINATED GLAZING CONSISTING OF:
1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK KURARAY SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.
- (b) 1 5/16" INSULATED GLAZING CONSISTING OF:
1/4" THICK CLEAR TEMPERED GLASS +1/2" AIRSPACE W/ ALUMINUM SPACER OVER 9/16" LAMINATED GLASS MADE WITH 1/4" THICK CLEAR HEAT STRENGTHENED GLASS +0.090" THICK KURARAY SENTRY GLASS @ INTERLAYER + 1/4" CLEAR HEAT STRENGTHENED GLASS.

(c) NOTES: MAX GLASS PANEL D.L.O SIZE IS 25 1/2"WIDE (AT BASE) x 36 7/8" HIGH (PERPENDICULAR TO BASE).
MAX GLASS AREA = 3.270 FT² BETWEEN SUPPORTS.

12. ALL WELDING TO CONFORM TO THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 REGULATIONS. USE CERTIFIED WELDERS. USE ER-4043 (IF NOT ANODIZED FINISH) OR ER-5356 (IF ANODIZED FINISH) ELECTRODES.

13. ALUMINUM MEMBERS IN CONTACT WITH CONCRETE SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.4 OF THE FLORIDA BUILDING CODE.

14. ALUMINUM MEMBERS IN CONTACT WITH STEEL SHALL BE PROTECTED ACCORDINGLY WITH SECTION 2003.8.4.2 OF THE FLORIDA BUILDING CODE.

15. ALUMINUM MEMBERS IN CONTACT WITH WOOD SHALL BE PROTECTED ACCORDINGLY WITH SECTIONS 2003.8.5 & 2003.8.6 OF THE FLORIDA BUILDING CODE.

16. PAINT, FINISH AND COLOR TO BE SELECTED BY ARCHITECT OF RECORD FOR THE JOB IN COORDINATION W/ WASCO PRODUCTS, INC. AND SHALL COMPLY WITH AAMA 1600 SPECIFICATION, SECTION 3.11.

17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE THIS SKYLIGHT IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. SEE NOTE 3 ABOVE.
CONTRACTOR IS TO SEAL/CAULK W/ URETHANE SEALANT ALL SKYLIGHT COMPONENT EDGES AS INDICATED ON THIS DRAWING TO PREVENT WIND/RAIN INTRUSION.

18. SKYLIGHT INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

19. SKYLIGHT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION.
ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:

WASCO PRODUCTS
SANFORD, MAINE.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

20. (a) THE PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. PROFESSIONAL OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

(e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
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WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

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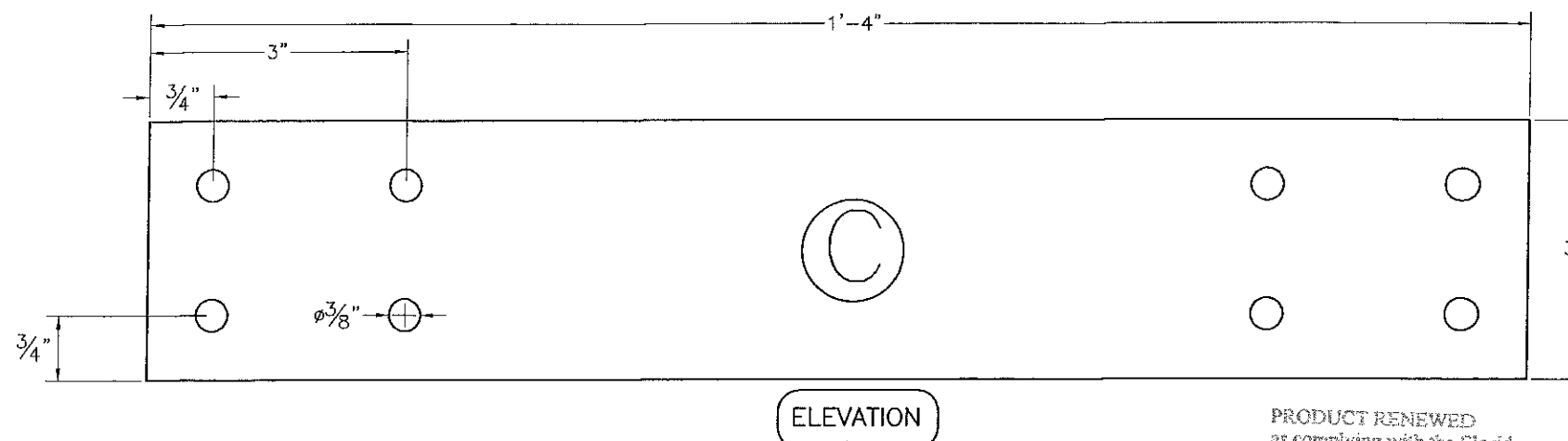
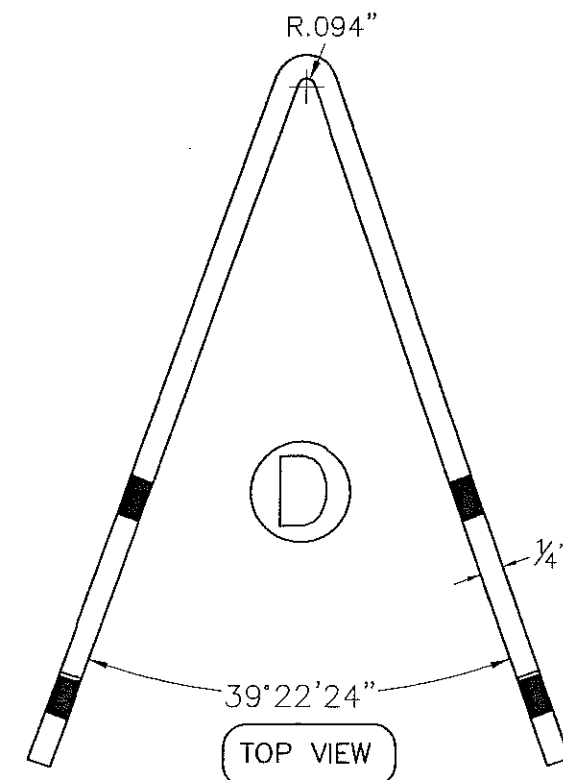
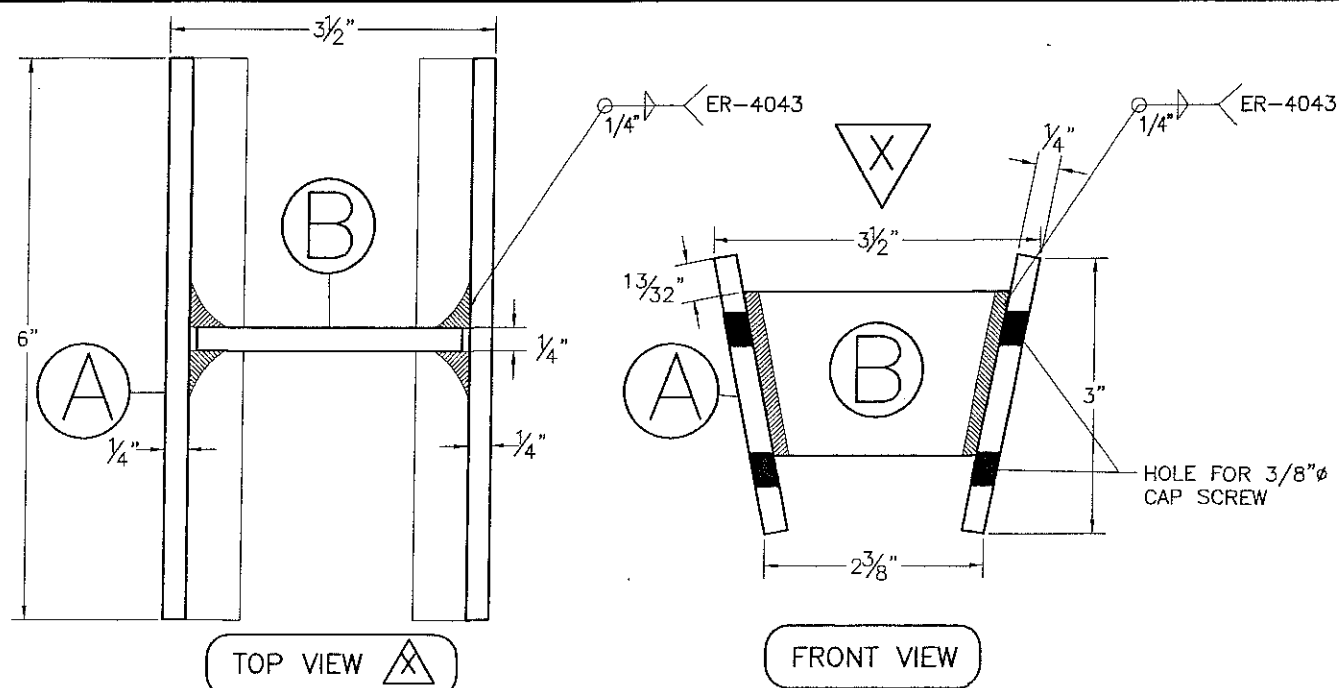
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M.L.

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USING "C" FORM "D" AFTER DRILLING
& TAPPING FOR 3/8"-16 MACHINE
SCREWS - 8 NEEDED TOTAL AT RIDGE

HIP/RIDGE CLIPS AT RIDGE (3003-H14 ALLOY)

USING .250" PCS. FABRICATE 8 BRACE ASSEMBLIES
AS SHOWN FOR MID-HIP APPLICATION & 8 PCS.
FOR SILL END.
DRILL & TAP FOR 3/8"-16 MACHINE SCREWS.

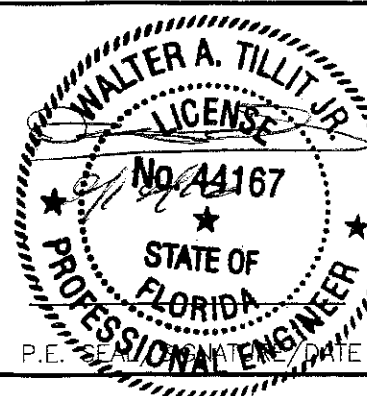
BRACE ASSEMBLY (AL25):3003-H14 ALLOY

COMPONENTS

SCALE: 1/2"=1"

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Miami Dade Product Control

MIAMI-DADE COUNTY



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e-mail: tilteco@aol.com
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WALTER A. TILLIT Jr. P.E.
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"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

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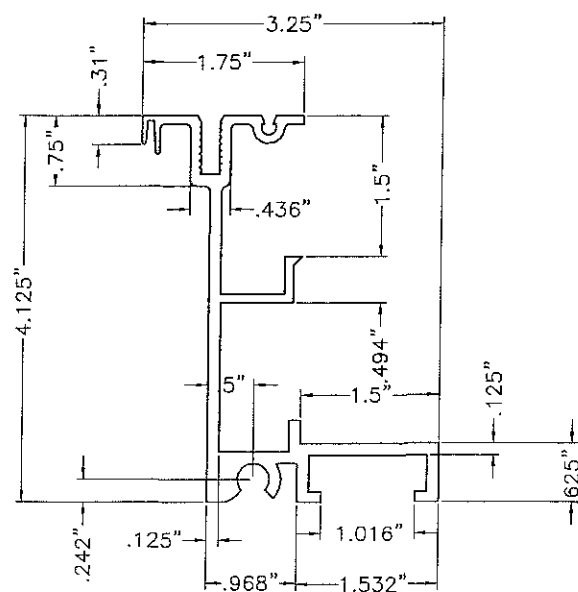
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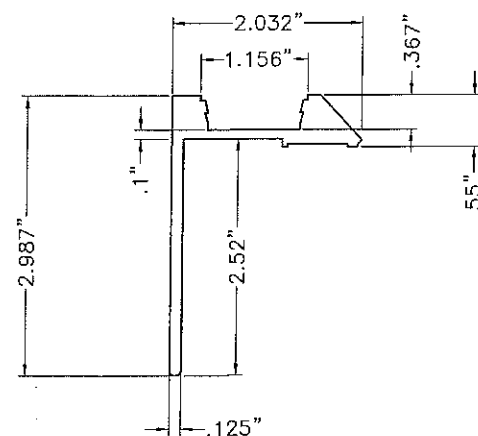
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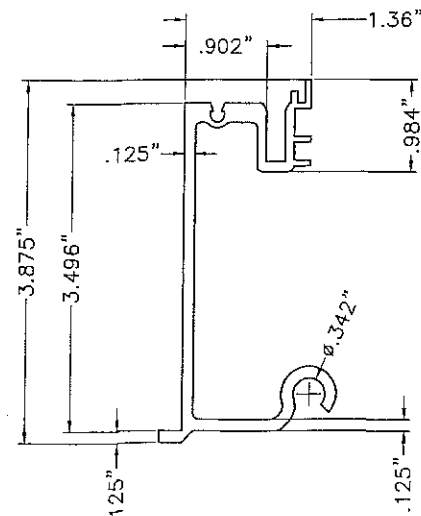
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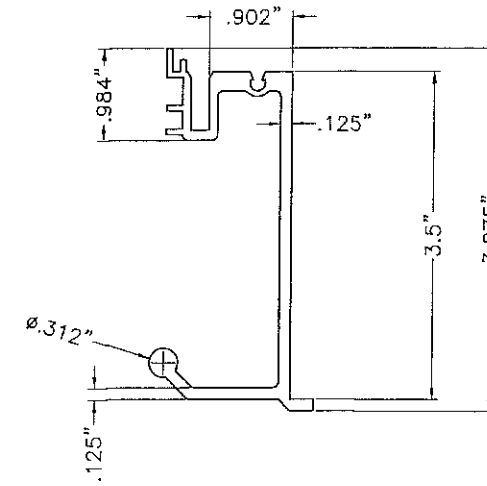
SILL EXTRUSION (35S)



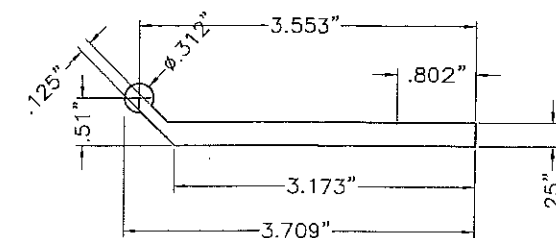
SILL PERIMETER TAPE CAP EXTRUSION (H-PC)



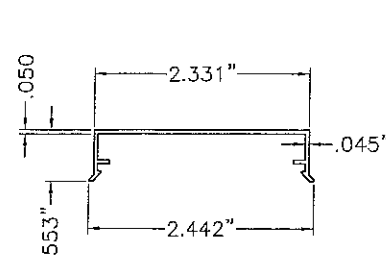
RIDGE/HIP EXTRUSION (35H-1F)



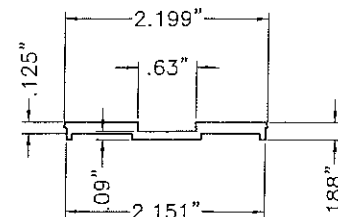
RIDGE/HIP EXTRUSION (35H-1M)



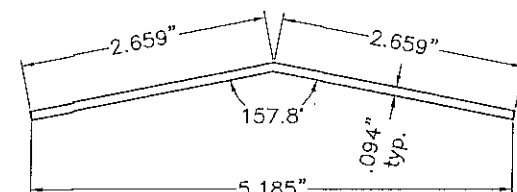
BASE PLATE EXTRUSION (BP-1)



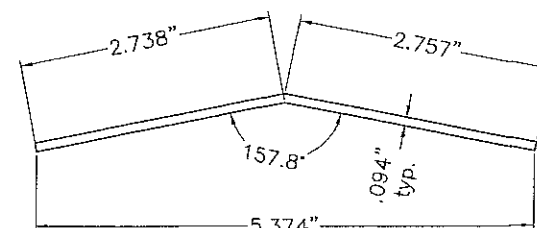
CLOSURE EXTRUSION (H-RCC)



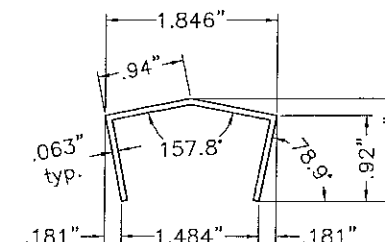
CAP EXTRUSION (H-RC)



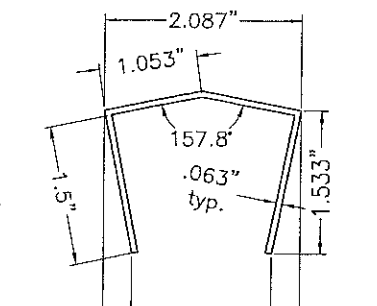
HIP CAP - LG (AL09)



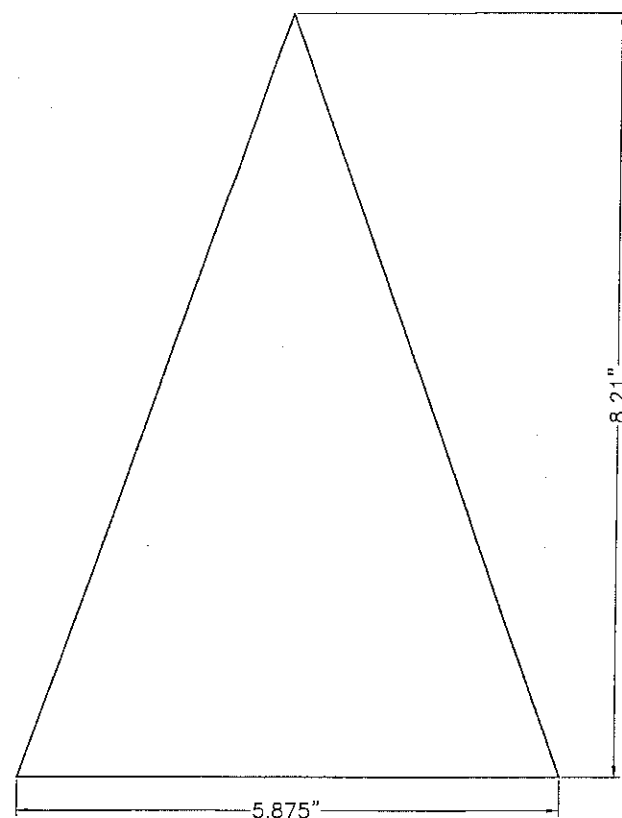
HIP CAP - IG (AL09)



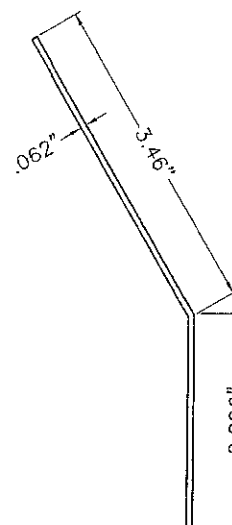
HIP STANDOFF - LG (AL06)



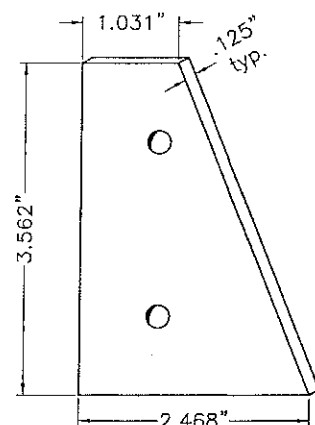
HIP STANDOFF - IG (AL06)



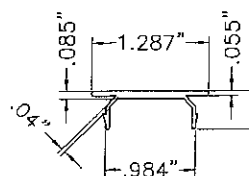
1 SIDE OF SIDED PEAK CAP
1 CAP NEEDED AS SHOWN (.090")



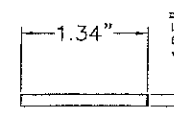
SILL CLOSURE (AL06)



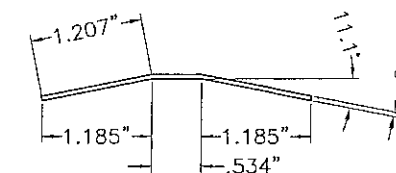
ALUM. PLATE (END SIDE OF THE SPLICE OF SILL)



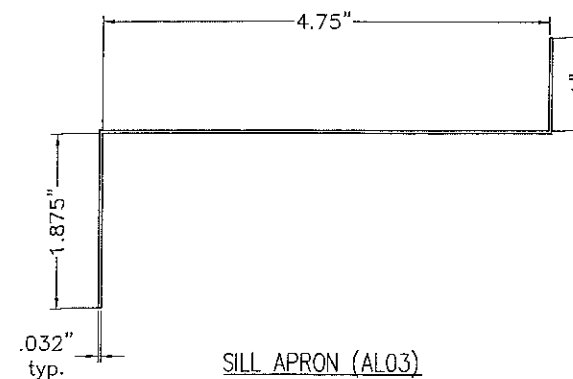
H-PC W/ S904
ALONG INSIDE EDGES



SPACER (AL12)



HIP CAP CONNECTOR - IG (AL05)



SILL APRON (AL03)

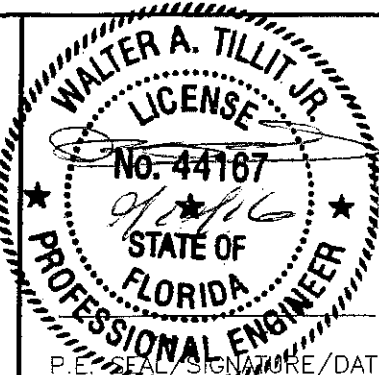
COMPONENTS (CONTINUED)

SCALE: 1/2"=1"

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as complying with the Florida
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By *Heidi A. Miller*
Miami Dade Product Control

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MIAMI-DADE COUNTY



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e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
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WASCO PRODUCTS, INC.

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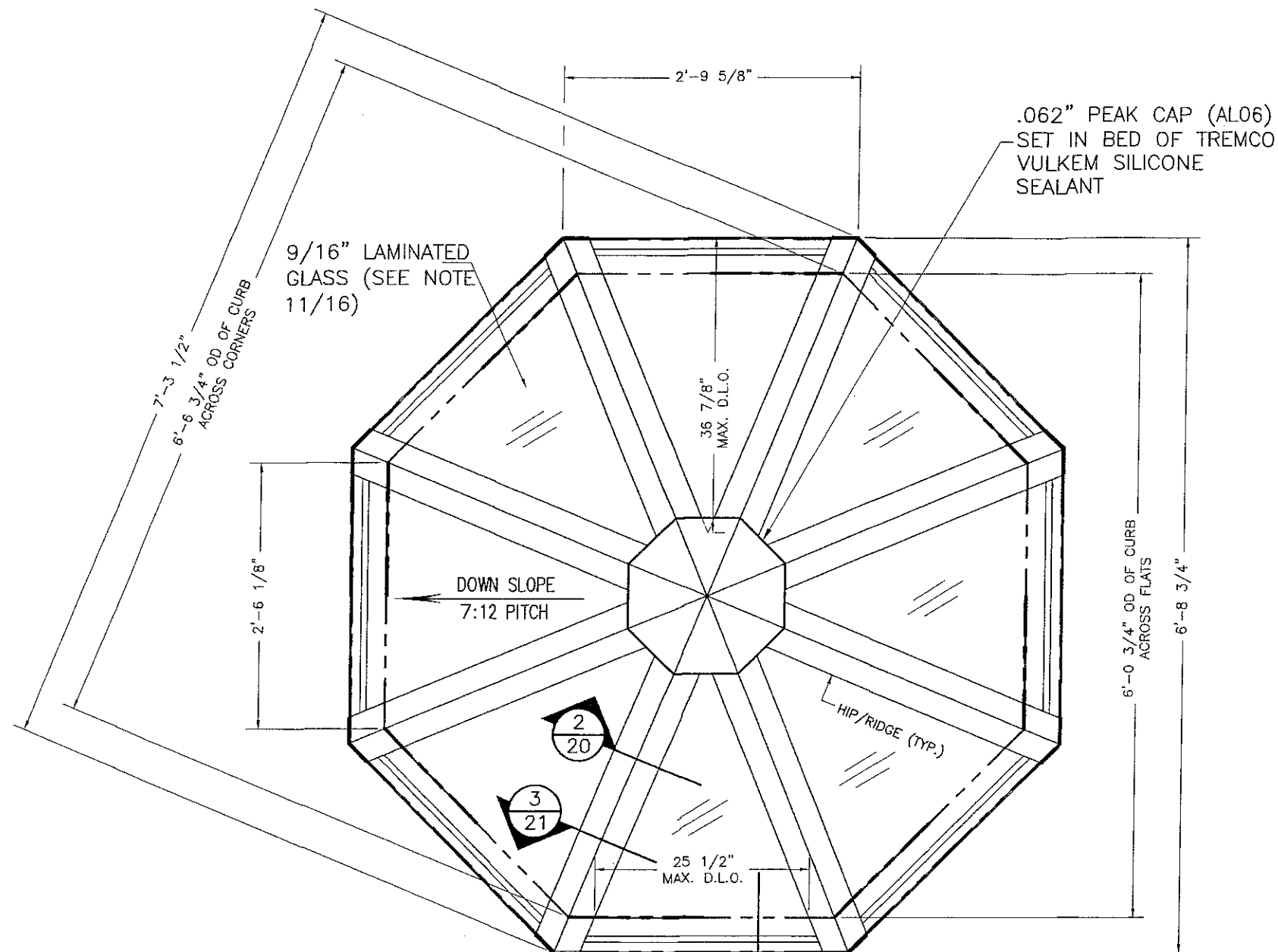
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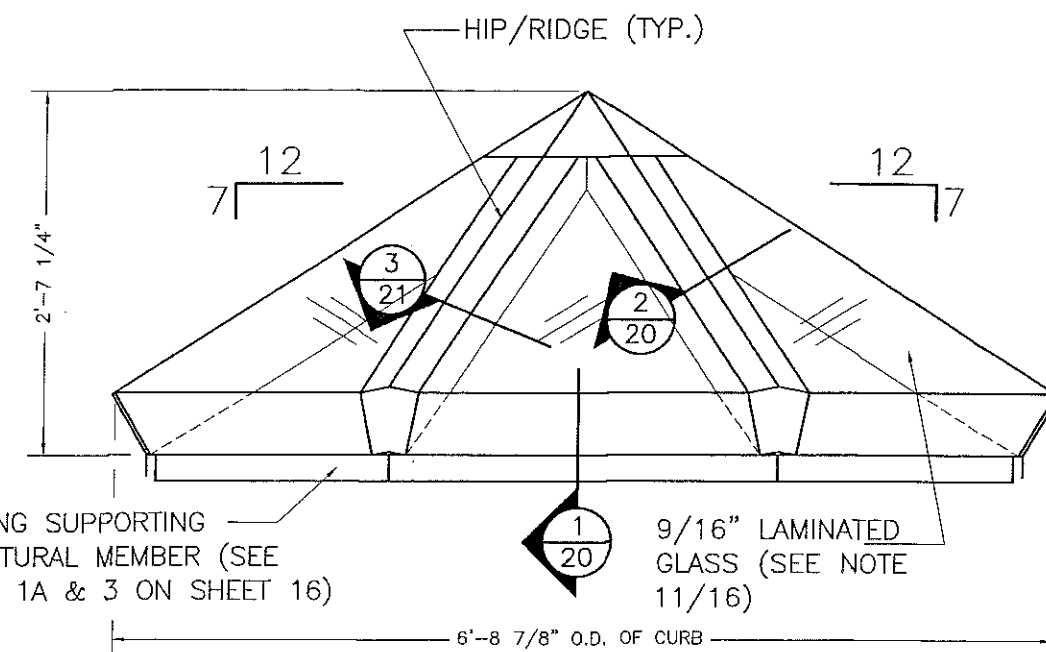
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2			4		



TYPICAL ROOF FRAMING PLAN
SCALE: 3/4"=1'-0"



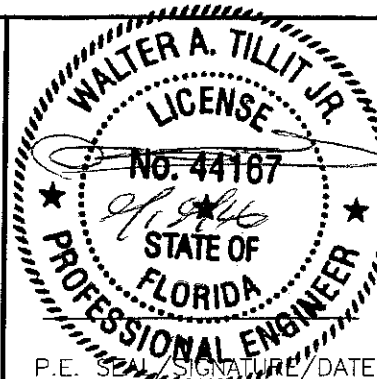
ELEVATION 1
SCALE: 1/2"=1'-0"

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LAMINATED GLASS CASE
(9/16" L.G.)

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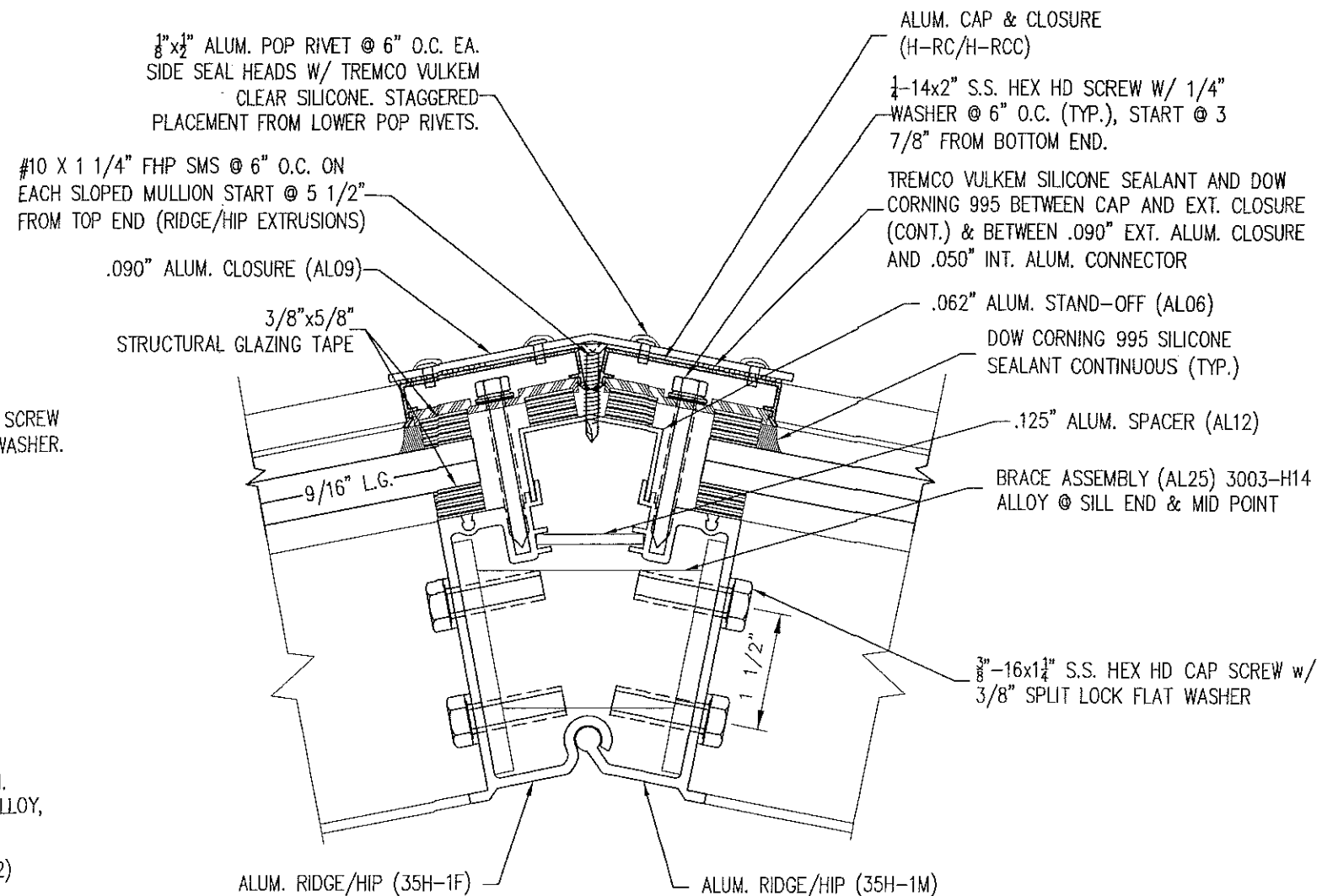
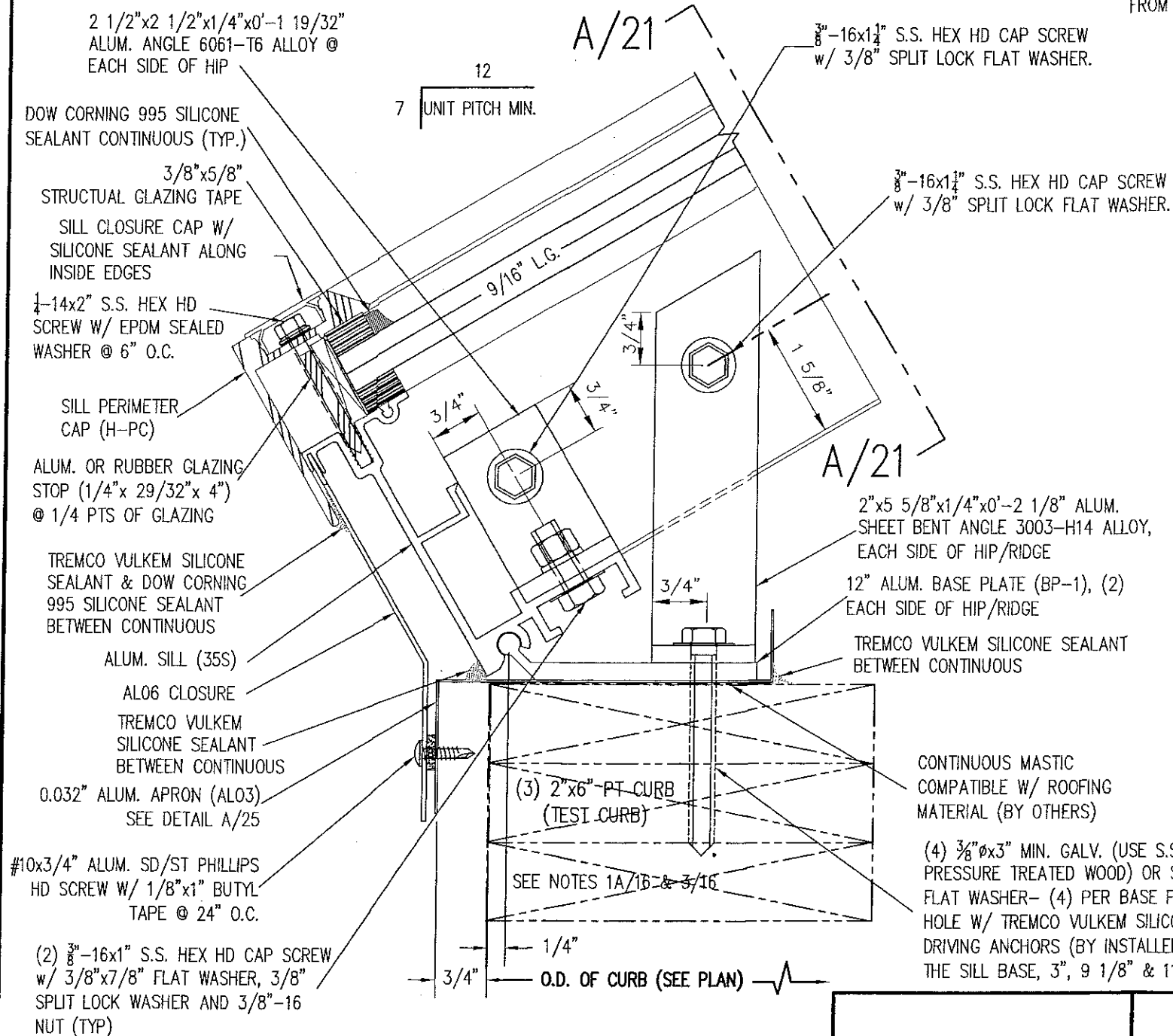
06/1/15
DATE

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1	OLD 12-007	06/1/15	3		
2			4		

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INSTALLATION NOTE: SPECIAL CARE MUST BE TAKEN TO FOLLOW
INSTALLATION DETAILS TO THE LETTER. FAILURE TO DO SO MAY CAUSE
UNIT FAILURE DURING THE EXTREME CONDITIONS FOR WHICH IT IS
DESIGNED.

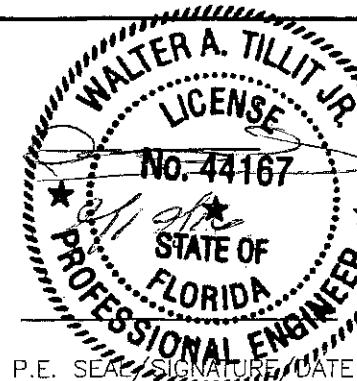


2
20 HIP SECTION @ MID-POINT (LG)
SCALE: 6"-1'-0"

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1
20 SILL SECTION (LG)
SCALE: 6"=1'-0"

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SEE DETAIL 2/20 FOR COMPONENTS NOT IDENTIFIED

#10 X 1 1/4" FHP SMS @ 6" O.C. ON EACH SLOPED MULLION START @ 5 1/2" FROM TOP END (RIDGE/HIP EXTRUSIONS)

BRACE ASSEMBLY (AL25) @ SILL END & @ MID POINT

3/8"-16x1 1/4" S.S. HEX HD CAP SCREW w/ 3/8" SPLIT LOCK FLAT WASHER.

3/8"-16x1 1/4" S.S. HEX HD CAP SCREW w/ 3/8" SPLIT LOCK FLAT WASHER. (BEYOND)

(2) 3/8"-16x1" S.S. HEX HD CAP SCREW w/ 3/8"x7/8" FLAT WASHER, 3/8" SPLIT LOCK WASHER AND 3/8"-16 NUT (TYP)

2 1/2"x2 1/2"x1 1/4"x0'-1 19/32" ALUM. ANGLE 6061-T6 ALLOY (TYP)

ALUM. SILL 35S

2"x5 11/32"x1/4"x0'-2 3/32" ALUM. SHEET BENT ANGLE 3003-H14 ALLOY

12" ALUM. BASE PLATE (BP-1), (2) EACH SIDE OF HIP/RIDGE

FLASHED CURB (BY OTHERS)

12" ALUM. BASE PLATE (BP-1)

2"x5 5/8"x1/4"x0'-2 3/32" ALUM. SHEET BENT ANGLE 3003-H14 ALLOY

(4) 3/8"Øx3" MIN. GALV. (USE S.S. IF PENETRATING INTO PRESSURE TREATED WOOD) OR S.S. LAG SCREW w/ 3/8" FLAT WASHER- (4) PER BASE PLATE (BP-1) FILL PILOT HOLE W/ TREMCO VULKEM SILICONE SEALANT PRIOR TO DRIVING ANCHORS (BY INSTALLER), START 1" FROM END OF THE SILL BASE, 3", 9 1/8" & 11"

1/8"x2" ALUM. POP RIVET @ 6" O.C. EA. SIDE SEAL HEADS W/ TREMCO VULKEM CLEAR SILICONE. STAGGERED PLACEMENT FROM LOWER POP RIVETS.

ALUM. CAP & CLOSURE (H-RC/H-RCC)

TREMCO VULKEM SILICONE SEALANT AND DOW CORNING 995 BETWEEN CAP AND EXT. CLOSURE (CONT.) & BETWEEN .090" EXT. ALUM. CLOSURE AND .050" INT. ALUM. CONNECTOR

DOW CORNING 995 SILICONE SEALANT CONTINUOUS (TYP.)

#10 X 1 1/4" FHP SMS @ 6" O.C. ON EACH SLOPED MULLION START @ 5 1/2" FROM TOP END (RIDGE/HIP EXTRUSIONS)

.090" ALUM. CLOSURE (AL09)

15/16" GLASS BITE

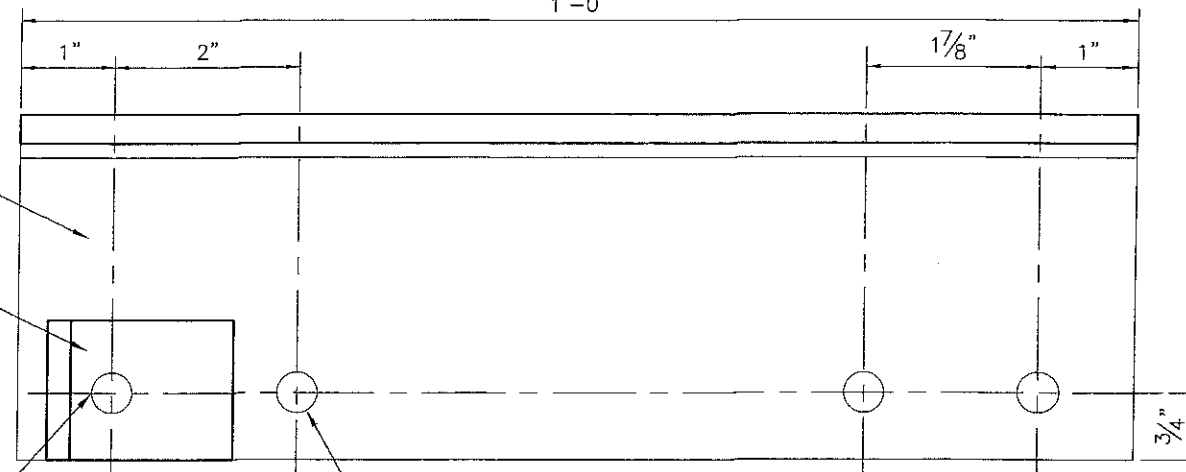
9/16" L.G.

3/8"x5/8" STRUCTURAL GLAZING TAPE

5/8" GLASS BITE

GLAZING DETAIL

SCALE: 1/2"=1"
1'-0"



7/16"Ø OR AS REQUIRED BY ANCHOR/CURB LOAD REQUIREMENTS

SECTION X-X

SCALE: 1/2"=1"

3 SILL/HIP ATTACHMENT SECTION

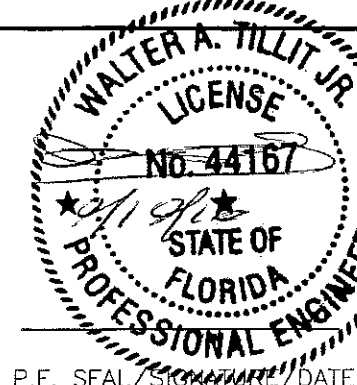
SCALE: 1/2"=1"

SECTION A-A

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No 17-0118-05
Expiration Date 02/22/2022
By *Heidi A. Miller*
Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 16-1018-02
Expiration Date 02/22/2017
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI-DADE COUNTY



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FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

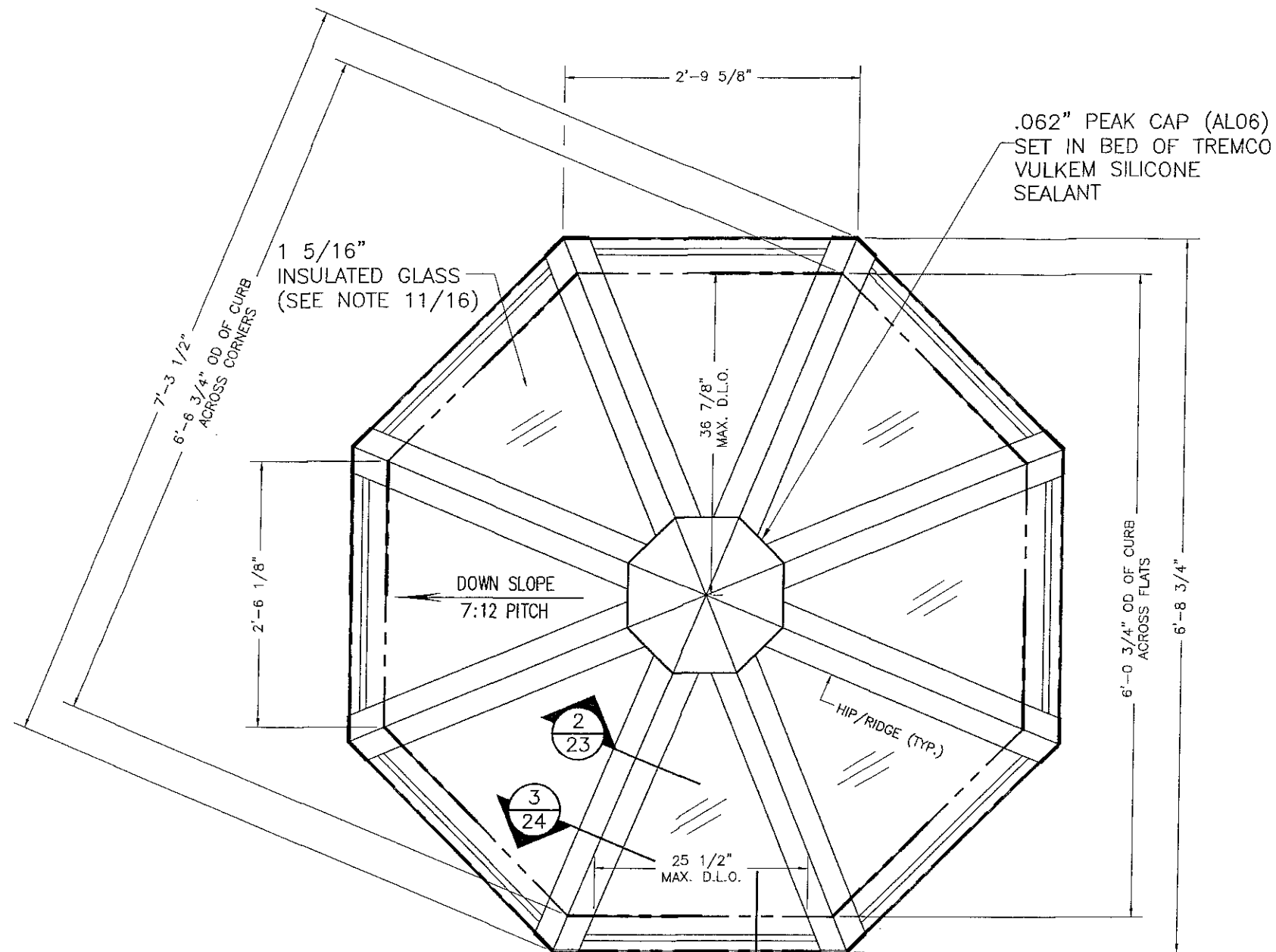
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06/1/15
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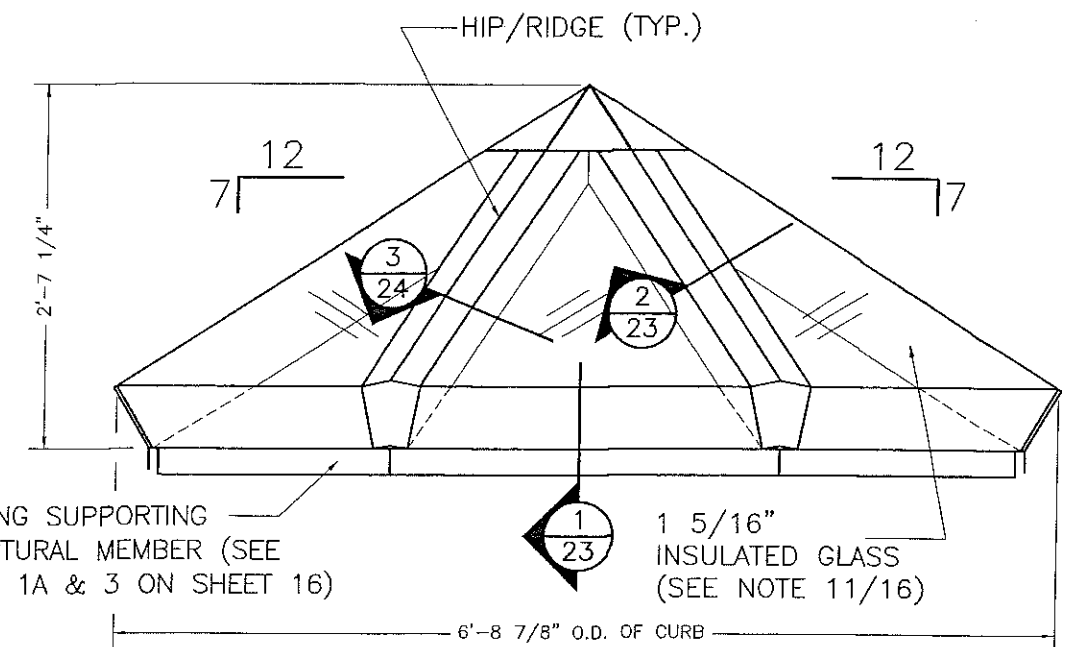
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1	OLD 12-007	06/1/15	3		
2			4		

SHEET 21 OF 27



TYPICAL ROOF FRAMING PLAN

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



ELEVATION 1

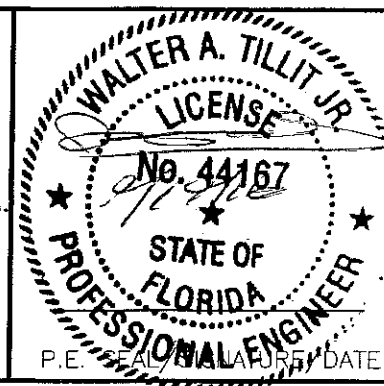
SCALE: 3/4"=1'-0"

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as complying with the Florida
Building Code
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Expiration Date 02/22/2022
By *Heidi A. Miller*
Miami Dade Product Control

INSULATED GLASS CASE
(1 5/16" I.G.)

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as complying with the Florida
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FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

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M.L.

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WELLS, ME 04090
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2			4		

SHEET 22 OF 27

INSTALLATION NOTE: SPECIAL CARE MUST BE TAKEN TO FOLLOW INSTALLATION DETAILS TO THE LETTER. FAILURE TO DO SO MAY CAUSE UNIT FAILURE DURING THE EXTREME CONDITIONS FOR WHICH IT IS DESIGNED.

2 1/2"x2 1/2"x1/4"x0'-1 19/32"
ALUM. ANGLE 6061-T6 ALLOY @
EACH SIDE OF HIP

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)

1/4"x5/8" STRUCTURAL
GLAZING TAPE

SILL CLOSURE CAP W/
SILICONE SEALANT
ALONG INSIDE EDGES

1/4-14x2" S.S. HEX HD
SCREW W/ EPDM SEALED
WASHER @ 6" O.C.

SILL PERIMETER
CAP (H-PC)

ALUM. OR RUBBER GLAZING
STOP (1/4"x 29/32"x 4")
@ 1/4 PTS OF GLAZING

TREMCO VULKEM SILICONE
SEALANT & DOW CORNING
995 SILICONE SEALANT
BETWEEN CONTINUOUS

ALUM. SILL (35S)

ALO6 CLOSURE

TREMCO VULKEM SILICONE
SEALANT BETWEEN
CONTINUOUS

0.032" ALUM. APRON (ALO3)
SEE DETAIL A/25

#10x3/4" ALUM. SD/ST PHILLIPS
HD SCREW W/ 1/8"x1" BUTYL
TAPE @ 24" O.C.

(2) 3/8"-16x1" S.S. HEX HD CAP SCREW
w/ 3/8"x7/8" FLAT WASHER, 3/8"
SPLIT LOCK WASHER AND 3/8"-16
NUT (TYP)

12
7 UNIT PITCH MIN.

A/24

3/8"-16x1 1/4" S.S. HEX HD CAP SCREW
w/ 3/8" SPLIT LOCK FLAT WASHER.

3/8"-16x1 1/4" S.S. HEX HD CAP SCREW
w/ 3/8" SPLIT LOCK FLAT WASHER.

2"x5 5/8"x1/4"x0'-2 1/8" ALUM.
SHEET BENT ANGLE 3003-H14 ALLOY,
EACH SIDE OF HIP/RIDGE

12" ALUM. BASE PLATE (BP-1), (2)
EACH SIDE OF HIP/RIDGE

TREMCO VULKEM SILICONE SEALANT
BETWEEN CONTINUOUS

CONTINUOUS MASTIC
COMPATIBLE W/ ROOFING
MATERIAL (BY OTHERS)

(4) 3/8"x3" MIN. GALV. (USE S.S. IF PENETRATING INTO
PRESSURE TREATED WOOD) OR S.S. LAG SCREW w/ 3/8"
FLAT WASHER- (4) PER BASE PLATE (BP-1) FILL PILOT
HOLE W/ TREMCO VULKEM SILICONE SEALANT PRIOR TO
DRIVING ANCHORS (BY INSTALLER), START 1" FROM END OF
THE SILL BASE, 3", 9 1/8" & 11"

(3) 2"x6"-PT CURB
(TEST CURB)

SEE NOTES 1A/1B & 3/16

4 SILL SECTION (IG)
23 SCALE: 6"=1'-0

PRODUCT REVISED
as complying with the Florida
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Expiration Date 07/22/2017
By *Heidi A. Miller*
Miami Dade Product Control

MIAMI-DADE COUNTY

1/8"x1/2" ALUM. POP RIVET @ 6" O.C. EA.
SIDE SEAL HEADS W/ TREMCO VULKEM
CLEAR SILICONE. STAGGERED
PLACEMENT FROM LOWER POP RIVETS.

#10 X 1 1/4" FHP SMS @ 6" O.C. ON
EACH SLOPED MULLION START @ 5 1/2"
FROM TOP END (RIDGE/HIP EXTRUSIONS)

.090" ALUM. CLOSURE (ALO9)

3/8"x5/8"
STRUCTURAL GLAZING TAPE

ALUM. CAP & CLOSURE
(H-RC/H-RCC)

1/4-14x2" S.S. HEX HD SCREW W/ 1/4"
WASHER @ 6" O.C. (TYP.), START @ 3
7/8" FROM BOTTOM END.

TREMCO VULKEM SILICONE SEALANT AND DOW
CORNING 995 BETWEEN CAP AND EXT. CLOSURE
(CONT.) & BETWEEN .090" EXT. ALUM. CLOSURE
AND .050" INT. ALUM. CONNECTOR

.062" ALUM. STAND-OFF (ALO6)

DOW CORNING 995 SILICONE
SEALANT CONTINUOUS (TYP.)

.125" ALUM. SPACER (AL12)

BRACE ASSEMBLY (AL25) 3003-H14
ALLOY @ SILL END & MID POINT

3/8"-16x1 1/4" S.S. HEX HD CAP SCREW w/
3/8" SPLIT LOCK FLAT WASHER

ALUM. RIDGE/HIP (35H-1F)

ALUM. RIDGE/HIP (35H-1M)

5 HIP SECTION @ MID-POINT (IG)
23 SCALE: 6"=1'-0

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as complying with the Florida
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Expiration Date 07/22/2022
By *Heidi A. Miller*
Miami Dade Product Control

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6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

85 SPENCER DRIVE - UNIT A
WELLS, ME 04090
(207) 216-4529 FAX: (207) 216-4566

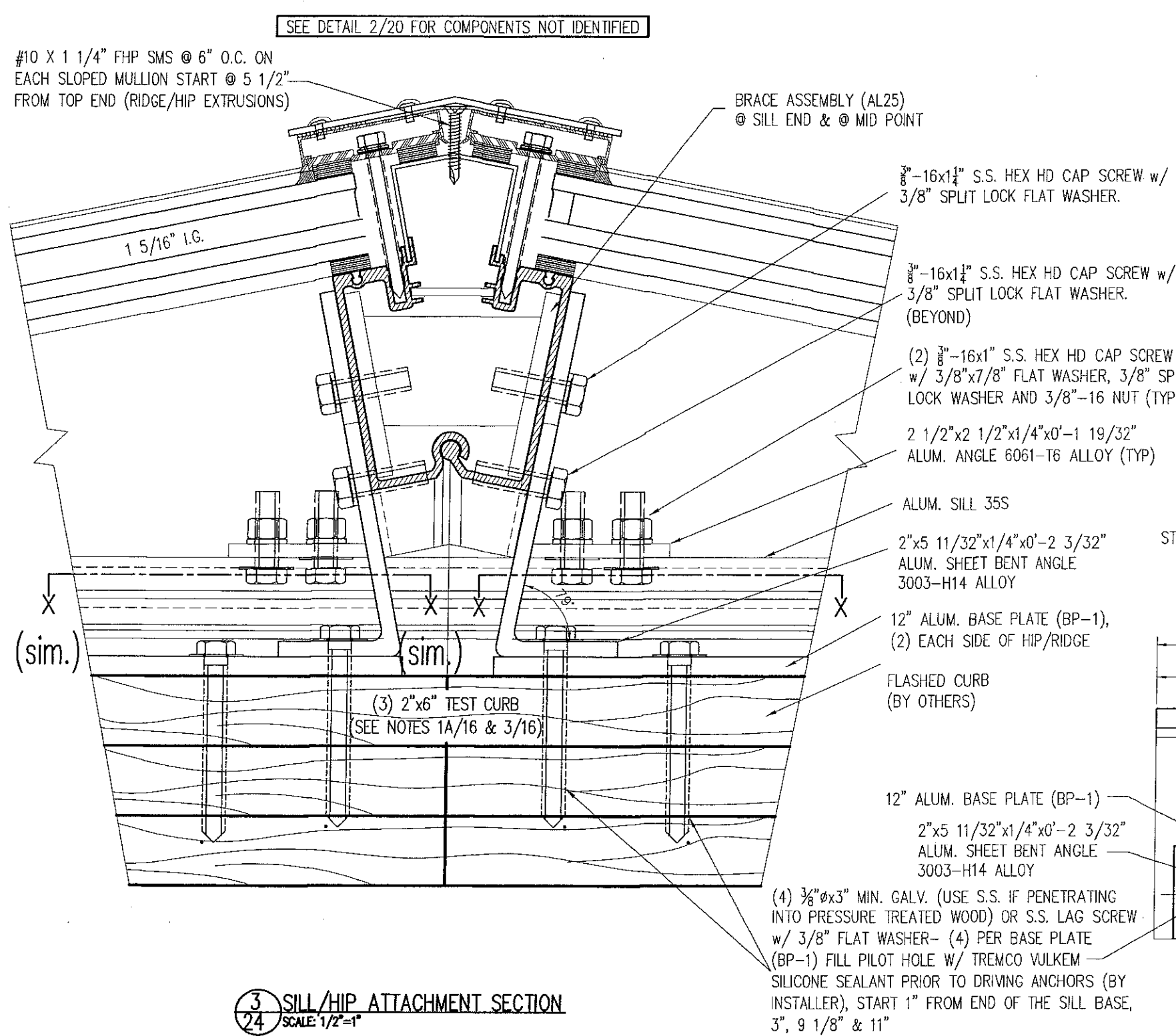
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SHEET 23 OF 27

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2			4		



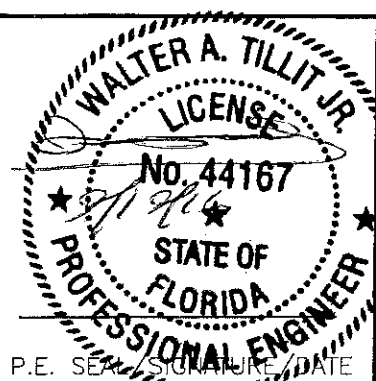
3 SILL/HIP ATTACHMENT SECTION
SCALE: 1/2"=1"

SECTION A-A

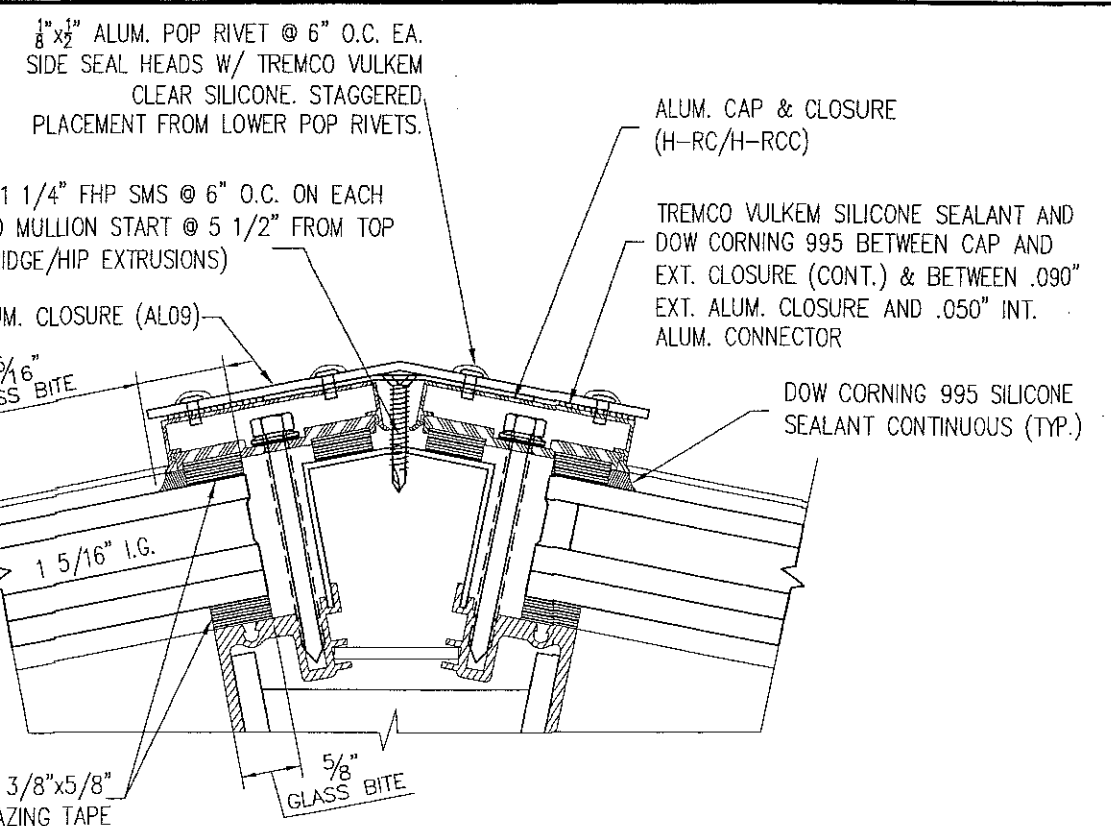
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Building Code
Acceptance No 17-0118.05
Expiration Date 02/22/2022
By *[Signature]*
Miami-Dade Product Control

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as complying with the Florida
Building Code
Acceptance No 16-1018.02
Expiration Date 02/22/2017
By *[Signature]*
Miami-Dade Product Control

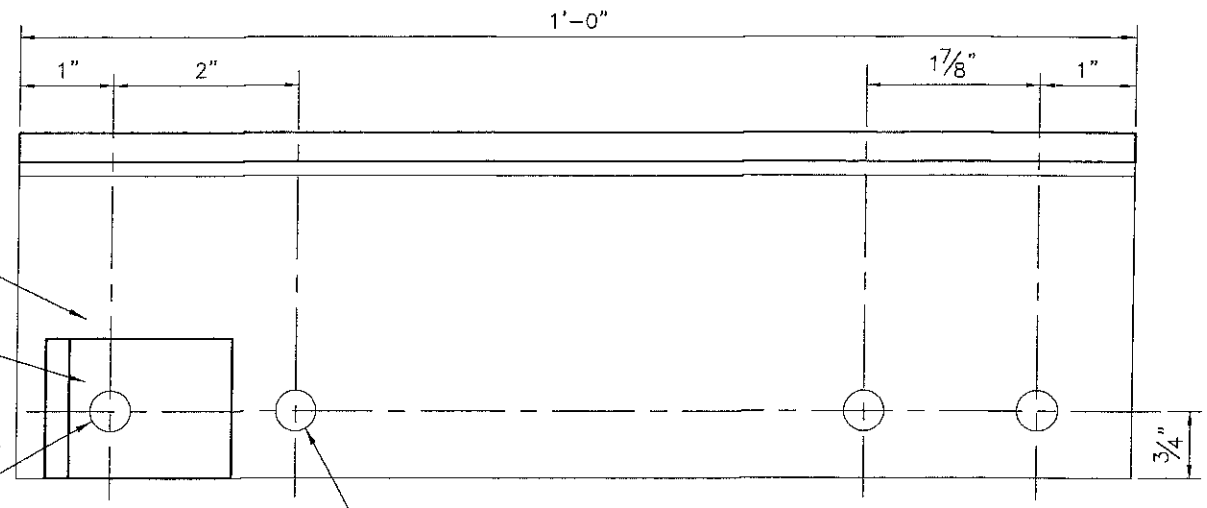
MIAMI-DADE COUNTY



P.E. SIGNATURE/DATE



GLAZING DETAIL
SCALE: 1/2"=1"



SECTION X-X
SCALE: 1/2"=1"

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"HU-OPY" HURRICANE RESISTANT OCTAGONAL SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT LAMINATED/INSULATED GLASS.

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(207) 216-4529 FAX: (207) 216-4566

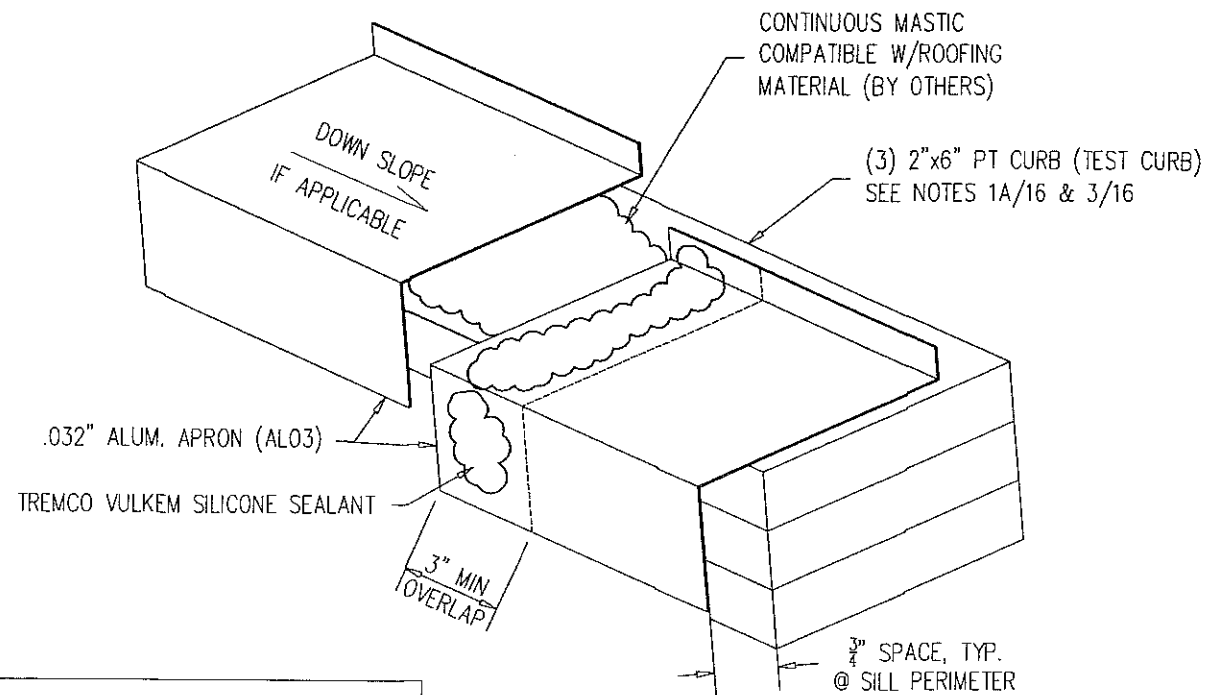
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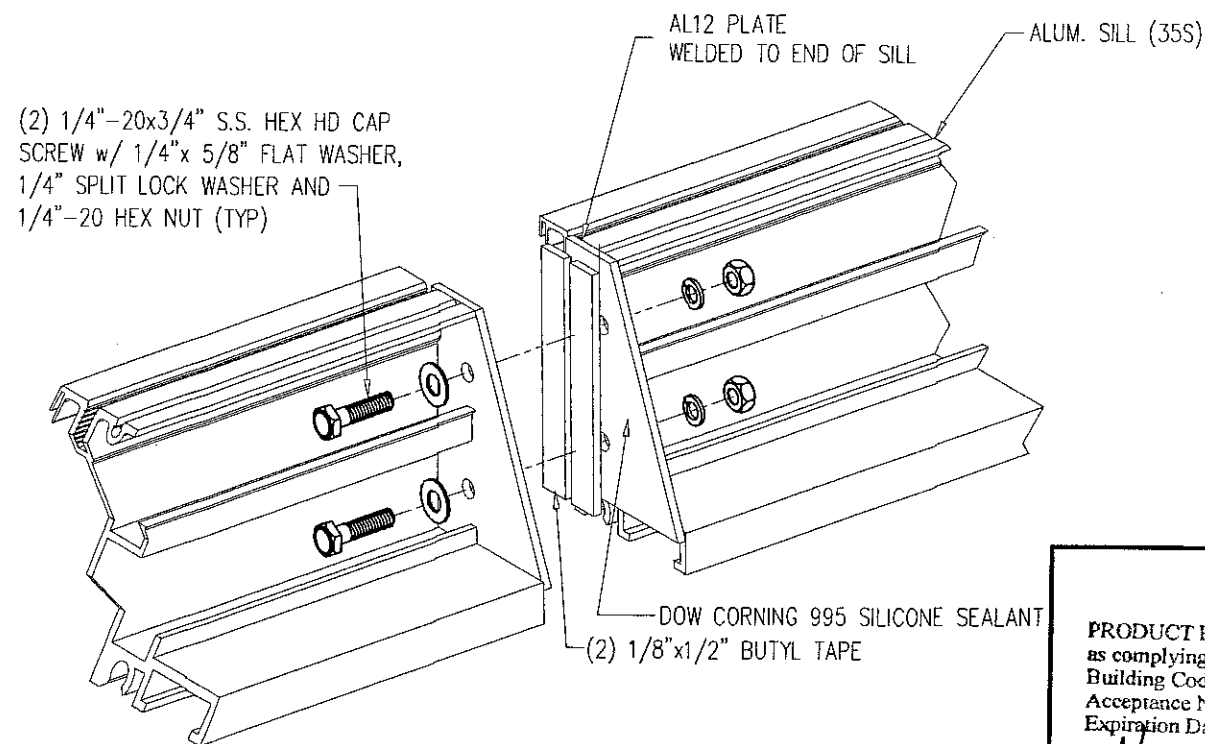
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 12-007	06/1/15	3		
2			4		

SHEET 24 OF 27



WASCO RECOMMENDS THAT ALL SPICE SURFACES BE CLEANED WITH XYLENE (TO BE FURNISHED BY OTHERS) BEFORE APPLYING TREMCO VULKEM SILICONE SEALANT

A
25
APRON SPICE DETAIL
SCALE: N.T.S.

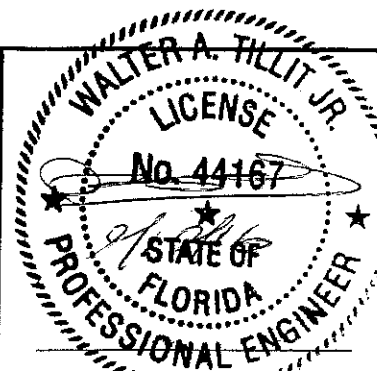


B
9
SILL SPICE DETAIL
SCALE: N.T.S.

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as complying with the Florida
Building Code
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Expiration Date 02/22/2022
By Heidi A. Tillit
Miami-Dade Product Control

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Expiration Date 02/22/2017
By Heidi A. Tillit
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MIAMI-DADE COUNTY



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WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

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WELLS, ME 04090
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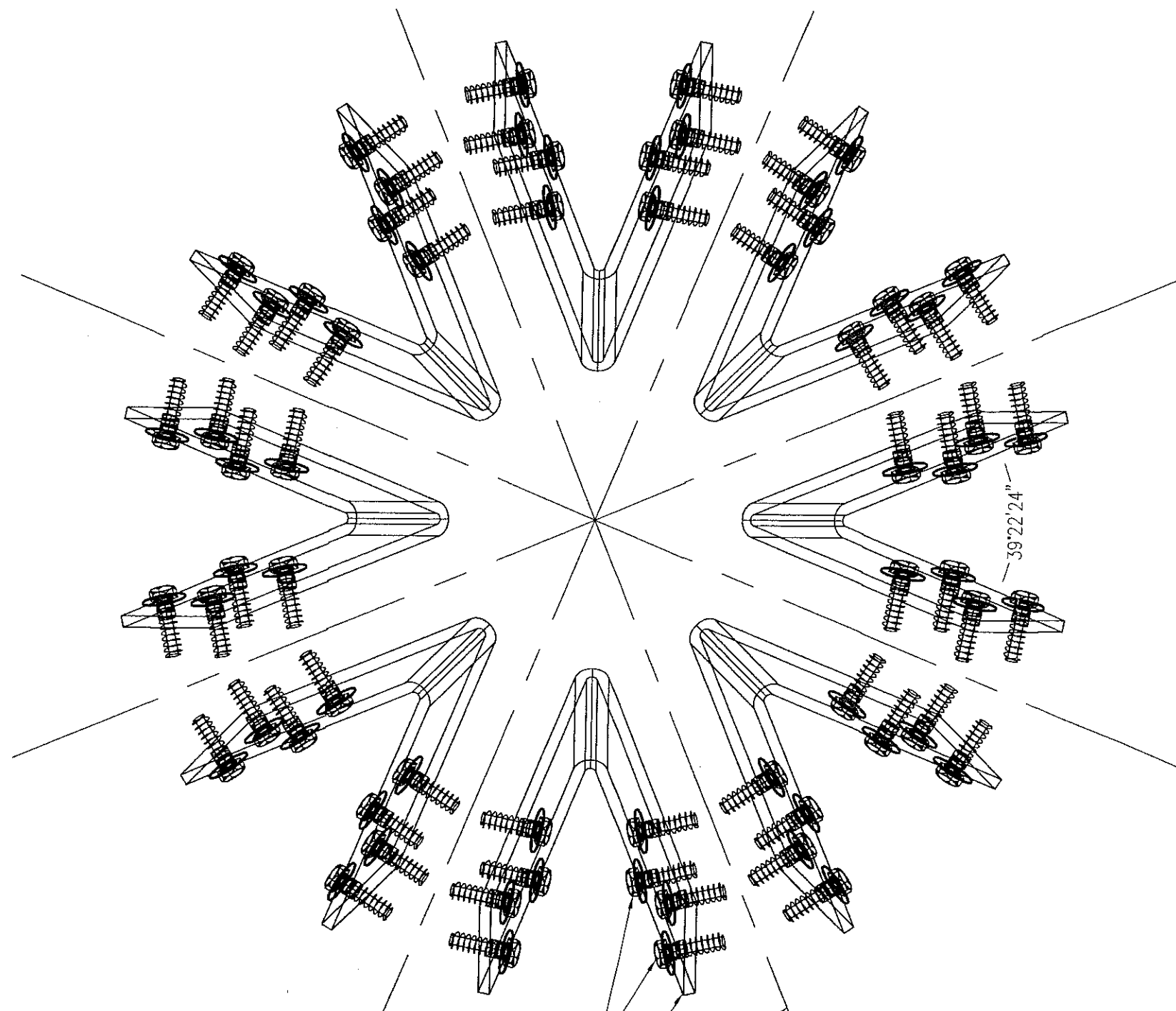
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1	OLD 12-007	06/1/15	3		
2			4		

SHEET 25 OF 27



(4) 3/8"-15x1 1/4" HH CAP MS
W/ 3/8" WASHER SPLIT LOCK

1/4" ALUM
FORMED CLIPS (SEE SHEET 17)

CENTERLINE OF
HIP ASSEMBLY

CONNECTION DETAIL HIP/RIDGE CLIPPING AT
RIDGE (SEE SHEET 27)

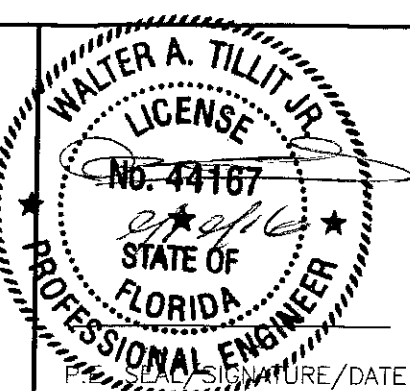
(PLAN)

FRAMING COMPONENTS REMOVED FOR CLARITY

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 17-0118.05
Expiration Date 02/22/2022
By *W. A. Tillit Jr.*
Miami Dade Product Control

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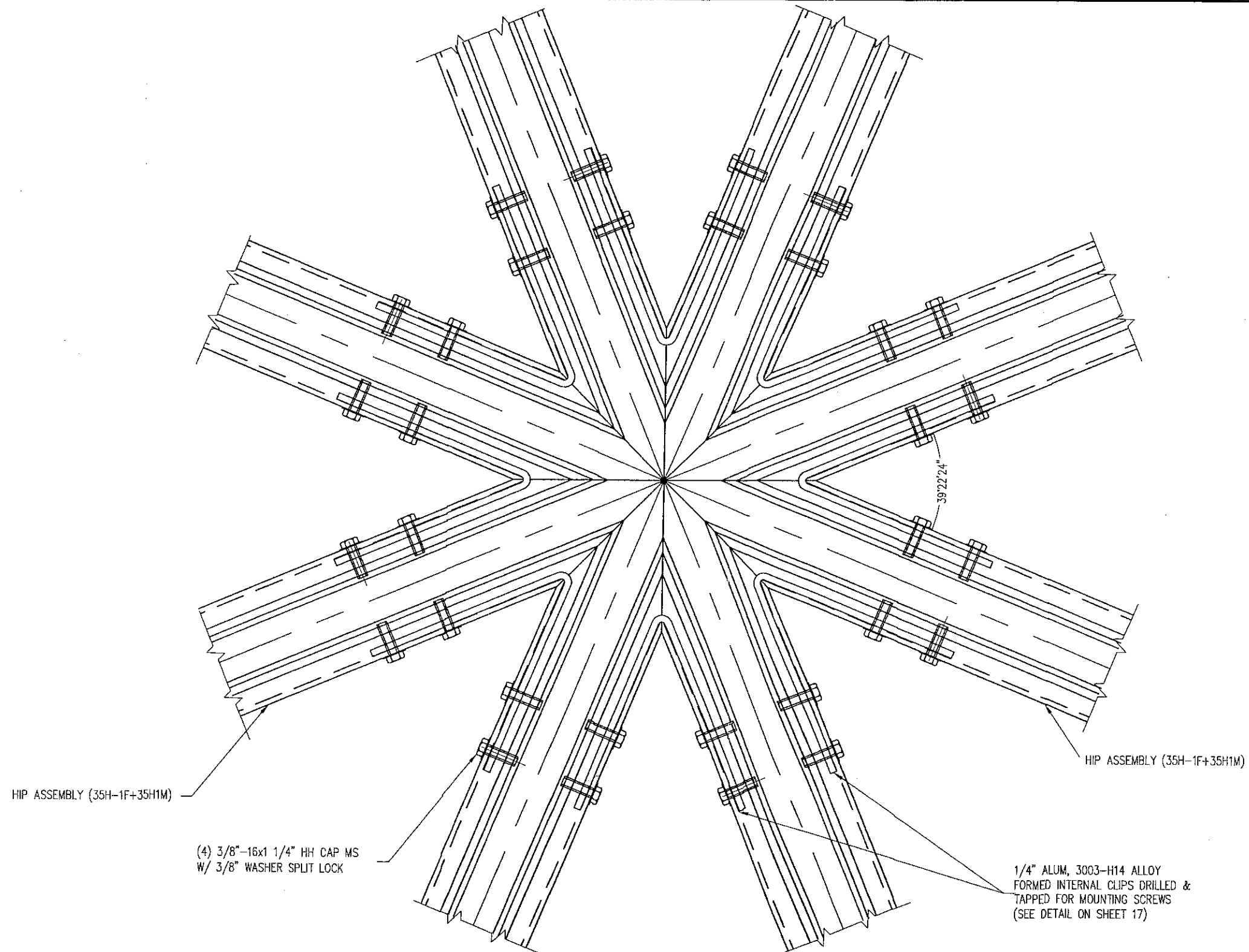
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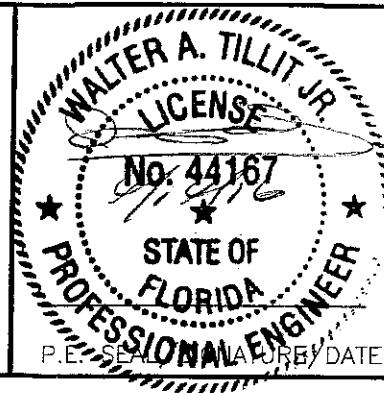


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FRAMING CONNECTION FOR HIP/RIDGE AT RIDGE (PLAN)

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MIAMI-DADE COUNTY



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FLORIDA Lic. # 44167

"HU-OPY" HURRICANE RESISTANT OCTAGONAL
SKYLIGHT W/ LARGE MISSILE IMPACT RESISTANT
LAMINATED/INSULATED GLASS.

WASCO PRODUCTS, INC.

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WELLS, ME 04090
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2			4		

SHEET 27 OF 27