



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
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/building

NOTICE OF ACCEPTANCE (NOA)

Metcoe Skylight Specialty Co., Inc.
3400 SW 26th Terrace, Suite A-6
Ft. Lauderdale, Florida 33312

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 BNC-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. BNC 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 or 1-5/16" Insulated Laminated Glass Skylight Systems

APPROVAL DOCUMENT: Drawing No. MET.11001, titled "Metcoe Aluminum Skylight System" sheets 1 through 8 of 8, and sheets 3A, 4A, 5A, 6A, & 7A dated February 14, 2011, prepared by Nu-Wind Engineering, signed and sealed by Christian Langley, P.E., on April 14, 2011, 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 and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Gardena, CA, and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 10-0420.05 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

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



Helmy A. Makar
 04/28/2011

NOA No. 10-0804.16
 Expiration Date: 05/19/2015
 Approval Date: 04/28/2011
 Page 1

Metcoe Skylight Specialty Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0104.01

A. DRAWINGS

1. *Drawing No. 04-138, titled "16'-0" Max. Wide Impact Resistant Gabled Skylight " sheets 1 through 7 of 7, dated 10/15/04, last revision #1 dated 04/22/05, prepared, signed and sealed by Walter A. Tillit Jr., P.E.,*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Load Test, and Uniform Static air Pressure Test on Metcoe Skylight Specialty Systems, prepared by American Test Lab of South Florida, Report No. 0204.01-04, dated 08/18/04, signed and sealed by William R. Mehner, P.E.*

C. CALCULATIONS

1. *Calculation titled " 16'-0" Max. Wide Impact Resistant Gabled Skylight ", 21 pages, dated 11/08/04, signed and sealed by Walter A. Tillit Jr., P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Mill Certified Test Report issued by International Extrusion Corporation, dated 08/06/04, for Die #21116 with the Chemical Composition and Alloy Temper.*
2. *Mill Certified Test Report issued by International Extrusion Corporation, dated 11/18/04, for Die #H-13273 with the Chemical Composition and Alloy Temper.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-0929.07

A. DRAWINGS

1. *Drawing No. 05-303, titled "16'-0" Max. Wide Impact Resistant Gabled Skylight " sheets 1 through 7 of 7, dated September 23, 2005, last revision #1 dated 09/23, 2005, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

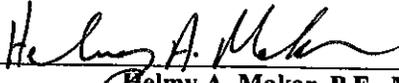
1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 10-0804.16
Expiration Date: 05/19/2015
Approval Date: 04/28/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0511.07

A. DRAWINGS

1. *Drawing No. 301-test, titled " Pyramid Unit Plan " sheets 1 through 7 of 7, dated April 25, 2006, last revision dated August 30, 2007, prepared by Sentech Consultants, LLC, signed and sealed by Alfonso E. Lopez, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Load Test, and Uniform Static air Pressure Test on Metcoe Skylight Specialty Systems, prepared by American Test Lab of South Florida, Report No. 1208.01-06, dated 01/12/2007, signed and sealed by Henry Hattem, P.E.*
2. *Addendum to test report #1208.01-06, prepared by American Test Lab of South Florida, dated 09/05/2007, signed and sealed by Henry Hattem, P.E.*

C. CALCULATIONS

1. *Calculation titled " 16'-6" x 16"-6" Pyramid Test Unit Structural Design Calc., 28 pages, dated 01/21/2007, signed and sealed by Alfonso E. Lopez, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #10-0420.05

A. DRAWINGS

1. *Drawing No. 301-TEST, titled " Test Unit " sheets 1 through 7 of 7, dated April 25, 2006, last revision dated March 25, 2010, prepared by Sentech Consultants, LLC, signed and sealed by Alfonso Lopez, P.E., on March 26, 2010.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculation titled " 16'-6" x 16"-6" Pyramid Test Unit, 31 pages, dated 03/26/2010, signed and sealed by Alfonso E. Lopez, P.E.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 10-0804.16
Expiration Date: 05/19/2015
Approval Date: 04/28/2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. MET.11001, titled " Metcoe Aluminum Skylight System " sheets 1 through 8 of 8, and sheets 3A, 4A, 5A, 6A, & 7A dated February 14, 2011, prepared by Nu-Wind Engineering, signed and sealed by Christian Langley, P.E., on April 14, 2011.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Load Test on Metcoe Skylight Specialty Systems, prepared by American Test Lab of South Florida, Report No. 1026.02-10, dated 11/10/2010, signed and sealed by Julio Gonzalez, P.E.*

C. CALCULATIONS

1. *Calculation titled " MET.11001 " , 7 pages, dated 02/19/2011, signed and sealed by Christian Langley, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building and Neighborhood Compliance Department (BNC).*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
BNC, Product Control Unit Supervisor
NOA No. 10-0804.16
Expiration Date: 05/19/2015
Approval Date: 04/28/2011

METCOE ALUMINUM SKYLIGHT SYSTEM

GENERAL NOTES

1. SKYLIGHT SHOWN IN THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE. THIS SKYLIGHT MAY BE INSTALLED IN HIGH VELOCITY HURRICANE ZONES PROVIDED THAT THE DESIGN PRESSURES CONFORM WITH THE PRESSURE RATING INDICATED IN NOTE 5. DESIGN LIVE AND WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1615 AND 1620 OF THE ABOVE-MENTIONED CODE.
 2. IN ORDER TO VERIFY THAT ANCHORS AND PERIMETER CONNECTIONS ON THIS P.A.D ARE NOT OVERSTRESSED UNDER DESIGN PRESSURES, FOR EVERY SINGLE APPLICATION OF THIS SKYLIGHT SYSTEM, THE PERIMETER CONNECTION BOLTS AND ANCHORS SHALL BE VERIFIED.
 3. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR EVERY PERMIT. DRAWINGS MAY INCLUDE LARGER SKYLIGHT WIDTH, LENGTH AND RISE WITH CORRESPONDING LARGER CROSS SECTION RAFTERS & MULLIONS, BUT PRESSURE RATING AND MAXIMUM GLASS PANEL SIZE SHALL NOT EXCEED THOSE INDICATED ON THIS DRAWING.
 4. THIS P.A.D COVERS PYRAMID SHAPE SKYLIGHTS. OTHER SHAPES/CONFIGURATIONS WITH SLOPED GLASS MAY BE ACCEPTED PROVIDED THAT THE ABOVE MENTIONED CONDITIONS ARE COMPLIED WITH. THE DESIGN OF LARGER COMPONENTS FOR LARGER SKYLIGHTS OR SKYLIGHTS WITH DIFFERENT SHAPES 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 NOTE 18). DESIGN PRESSURE DISTRIBUTIONS SHALL COMPLY WITH THE CODE REQUIREMENTS FOR THE SKYLIGHT SHAPE SELECTED.
 5. DESIGN PRESSURE RATING AT ROOF IS +75.0 PSF / -85.0 PSF.
 6. STRUCTURAL ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS IS NOT PART OF THIS P.A.D. STRUCTURAL DESIGN OF THE SKYLIGHT SUPPORT STRUCTURE SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PROJECT. STRUCTURAL DESIGN SHALL INCLUDE AND TAKE INTO CONSIDERATION THE ACTUAL Vx, Vy AND Vz LOADS TRANSFERRED FROM THIS SKYLIGHT TO THE SUPPORT STRUCTURE, BASED ON DEAD, LIVE AND WIND LOADS USING THE LOAD COMBINATIONS AS PER SECTIONS 2.3 AND 2.4 OF ASCE 7-05. ADEQUACY OF SUPPORTING STRUCTURAL MEMBERS SHALL BE REVIEWED BY STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT ON A JOB SPECIFIC BASIS.
 7. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER.
 8. ALL ALUMINUM SHEET SHALL BE ALUMINUM ASSOCIATION 5005-H16 ALLOY AND HARDNESS.
 9. ALL SCREWS TO BE STAINLESS STEEL AISI SERIES 304 OR 316 STRAIN HARDENED OR HEAT TREATED WITH MIN TENSILE LOAD CAPACITY
- Tu=4275 lb & MIN ULTIMATE SHEAR LOAD CAPACITY Su=2700 lb PER ASTM B-593 & B-594.
10. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
 11. BOLTS TO BE STAINLESS STEEL AISI SERIES 304 OR 316 WITH 50 KSI (MIN) YIELD STRENGTH AND 90 KSI TENSILE STRENGTH, PER ASTM B-593 AND B-594.
 12. GLAZING SYSTEM SHALL BE COMPRISED OF THE FOLLOWING COMPONENTS:
 - a. ALL GASKETS TO BE MADE OF EXTRUDED SILICONE, WITH DUROMETER HARDNESS = 55 MIN, ULTIMATE TENSILE = 1400 PSI MIN, ELONGATION = 334% MIN.
 - b. ALL BACKER RODS TO BE TUNDRA FOAM POLYURETHANE MANUFACTURED BY INDUSTRIAL THERMO POLYMERS LIMITED, WITH THE FOLLOWING PHYSICAL PROPERTIES:

• POLYURETHANE QUALITY	ASTM 1564
• NON-COMPRESSED DENSITY	2-3 LBS/CU. FT.
• COMPRESSED DENSITY	4-6 LBS/CU. FT.
• COMPRESSION DEFLECTION	1 PSI @ 25%
• ELONGATION	130%
• TENSILE STRENGTH	15 LBS MIN
• TEMPERATURE RANGE	-70° TO 450°F
 - c. STRUCTURAL SILICONE FOR GLASS SEALANT AT RAFTERS TO BE DOW CORNING 995 SILICONE STRUCTURAL ADHESIVE
 - d. ALL WEATHER SEALANT TO BE DOW CORNING 795 SILICONE.
 - e. ALL GLAZING BLOCKS TO BE NEOPRENE OR RUBBER MATERIAL WITH DUROMETER HARDNESS = 90 MIN.
 13. ALL FLASHING TO BE LAPPED 3" AND SET ON A BED OF SILICONE SEALANTS.
 14. GLASS TO BE 9/16" THICK IMPACT RESISTANT LAMINATED GLASS CONSISTING OF: 1/4" HEAT STRENGTHENED GLASS + 0.090" SENTRYGLAS PLUS INTERLAYER BY DUPONT (NOA 10-0413.04) + 1/4" HEAT STRENGTHENED GLASS. THE MAXIMUM GLASS PANEL SIZE IS 24.88 SQUARE FEET.

ADDITIONAL DETAILS USING NOA #10-0112.03 MAY BE INCORPORATED AS PART OF THIS NOA PROVIDED DESIGN AND WIND LOADS DO NOT EXCEED PRESSURES INDICATED ON NOA #10-0112.03.
 15. ALTERNATE GLASS TO BE 1 5/16" INSULATED/IMPACT LAMINATED CONSISTING OF: 1/4" FULLY TEMPERED GLASS, 1/2" AIR SPACE, 1/4" CLEAR HEAT STRENGTHENED GLASS + 0.090 SENTRYGLAS PLUS INTERLAYER (NOA 10-0413.04) + 1/4" CLEAR HEAT STRENGTHENED GLASS MANUFACTURED BY DUPONT. MAXIMUM PANEL SIZE IS 24.88 SQ FT. SEE TEST REPORT #ATLSF-1026.02-10 DATED 11/23/2010 BY AMERICAN TEST LAB OF SOUTH FLORIDA.
 16. ALL WELDING TO CONFORM TO THE AMERICAN WELDING SOCIETY A.W.S D.1.2 2004 EDITION REGULATIONS. USE CERTIFIED WELDERS. USE ER-4043 OR ER-5356 ELECTRODES.
 17. ALUMINUM MEMBERS IN CONTACT WITH CONCRETE SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 2003.8.4.4 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
 18. ALUMINUM MEMBERS IN CONTACT WITH STEEL SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 2003.8.4.2 OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE.
 19. PAINT, FINISH AND COLOR TO BE SELECTED BY ARCHITECT OF RECORD FOR THE JOB IN COORDINATION WITH METCOE, AND SHALL COMPLY WITH AAMA 1600 SPECIFICATION, SECTION 3.11.
 20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE THE SKYLIGHT IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. SEE NOTE 3 ABOVE. CONTRACTOR IS TO SEAL/CAULK ALL SKYLIGHT COMPONENT EDGES AS INDICATED ON THIS DRAWING TO PREVENT WIND/RAIN INTRUSION.
 21. SKYLIGHT INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE APPLICABLE JURISDICTION.
 22. THE PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC JOB.
 23. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS CONTRACTOR'S RESPONSIBILITY.
 24. THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
 25. SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHO 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 THE LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
 26. THIS P.A.D SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0804.16
 Expiration Date 05/19/2015
 By *Heung A. Ma*
 Miami Dade Product Control



DATE: 05/19/2015
 BY: *Heung A. Ma*
 DESCRIPTION: METCOE ALUMINUM SKYLIGHT SYSTEM

DATE	DESCRIPTION	BY	CL
2/14/11	INITIAL SUBMITTAL		

METCOE ALUMINUM SKYLIGHT SYSTEM
 MIAMI-DADE NOA

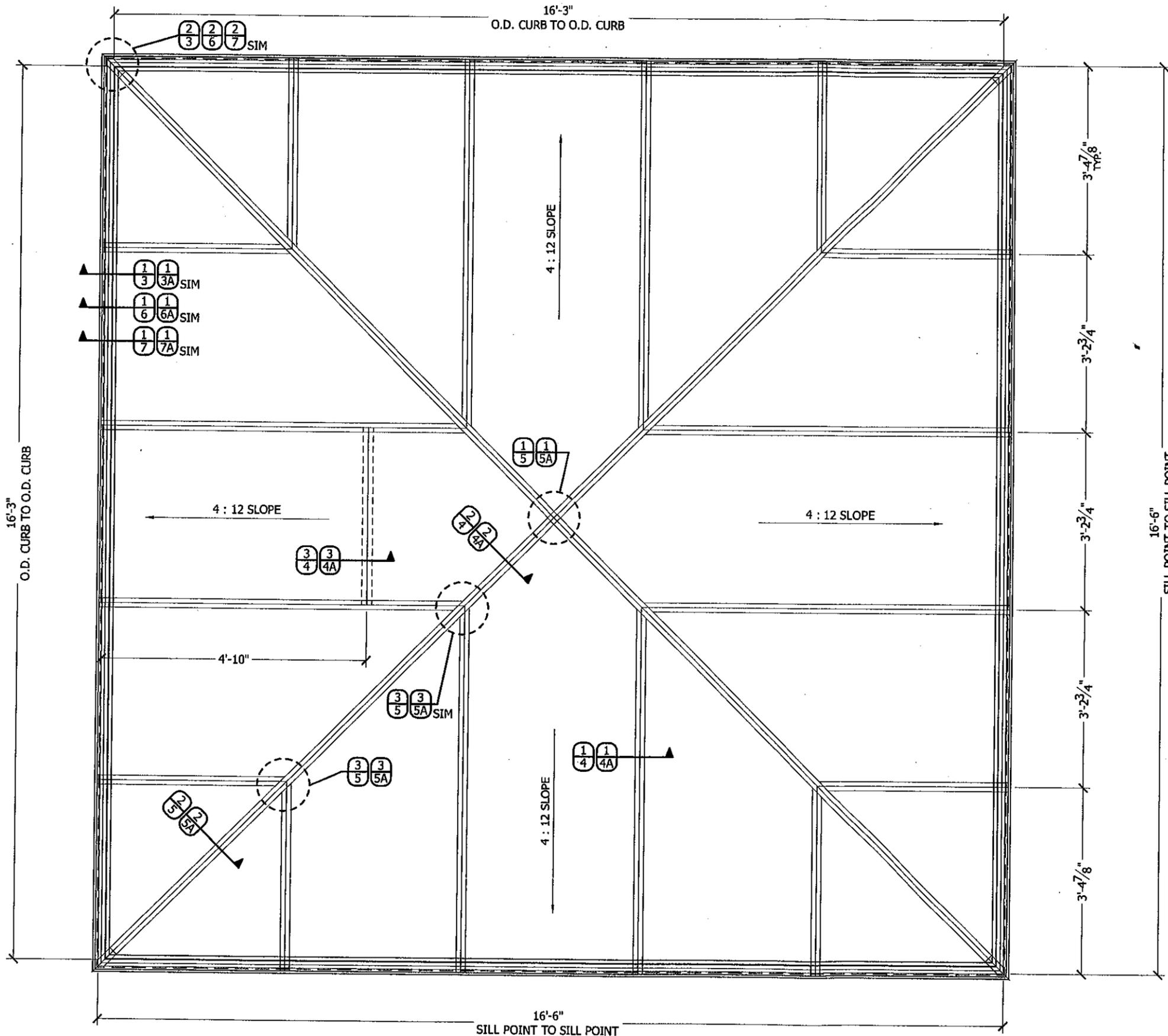
METCOE SKYLIGHT SPECIALTIES
 1715 WEST 135th STREET
 GARDENA, CA 90249

DRAWING NUMBER:
MET.11001

SHEET
1 OF **8**

MET.11001_01c Pyramid Skylight (NOA).dwg (Cr: 4/14/2011 17:20)

NET.11001_01c Pyramid Skylight (030).dwg (Cr: 4/14/2011 17:16) 4/14/2011 17:20



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

SKYLIGHT(S) WILL IMPOSE LATERAL FORCES ON THE PERIMETER CURBS. ALL CURBS SUPPORTING THE SKYLIGHT(S) MUST BE DESIGNED AND CONSTRUCTED, BY OTHERS, TO RESIST SUCH LOADS.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0804.16
 Expiration Date 05/19/2015
 By *Healy A. Miller*
 Miami Dade Product Control

NU-WIND ENGINEERING
 www.nu-wind.com
 Office: (954) 333-8965
 Fax: (954) 719-3707
 1200 N FEDERAL HWY. #200
 BOCA RATON, FL 33437

Christian Lavelley
 02/24/2011
 CHRISTIAN LAVELLE, PE

DATE	DESCRIPTION	BY
2/14/11	INITIAL SUBMITTAL	CL

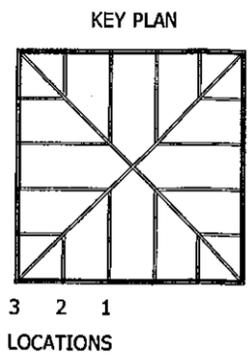
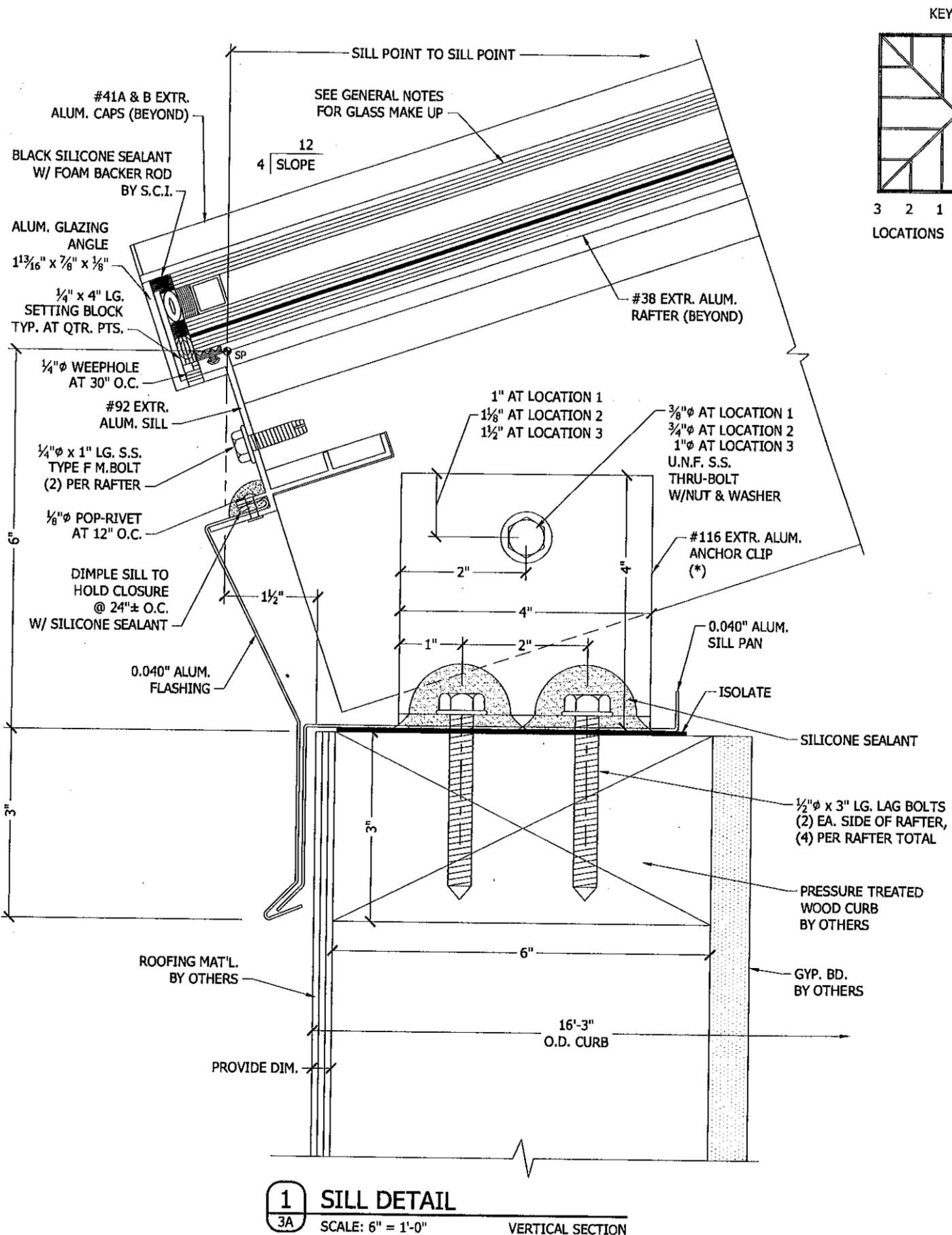
METCOE ALUMINUM SKYLIGHT SYSTEM
 MIAMI-DADE NOA

METCOE
 SKYLIGHT SPECIALTIES
 1715 WEST 135th STREET
 GARDENA, CA 90249

DRAWING NUMBER:
MET.11001

SHEET
2 OF **8**

4/14/2011 17:28
4/14/2011 17:28
MET.11001_01c Pyramid Skylight (NOA).dwg (Cr: 4/14/2011 17:16)



1 SILL DETAIL
3A SCALE: 6" = 1'-0" VERTICAL SECTION

* THE ANCHOR SIZE, PERIMETER BRACKET SIZE, AND PERIMETER CONNECTION BOLT SIZES ARE FOR +75 PSF / -85 PSF DESIGN LOADS. ACTUAL BRACKET SIZE, CONNECTION BOLT SIZE, SILL, FLASHING, AND ANCHOR BOLT SIZE WILL VARY WITH EACH APPLICATION, AND THEY SHALL BE REVIEWED AND APPROVED BY THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0804.16
Expiration Date 05/19/2015
By *Harley A. Nelson*
Miami Dade Product Control

C.A. #28517
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1200 N FEDERAL HWY. #200
BOCA RATON, FL 33432
CHRISTOPHER LARGLEY, PE
Exp. 14/2011

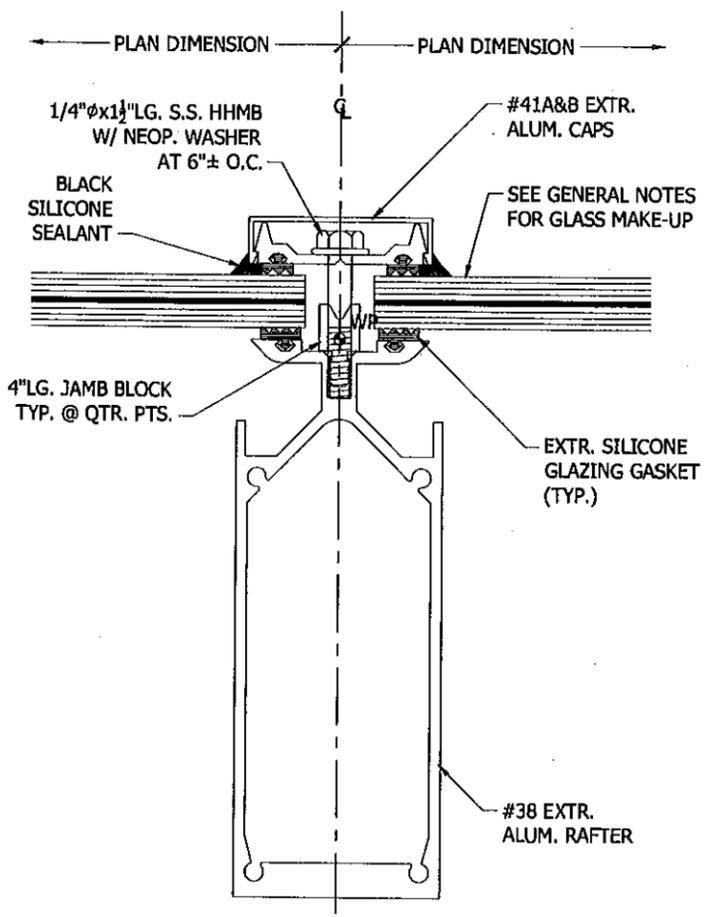
DATE	DESCRIPTION	BY	CL
2/14/11	INITIAL SUBMITTAL		

METCOE ALUMINUM SKYLIGHT SYSTEM
MIAMI-DADE NOA

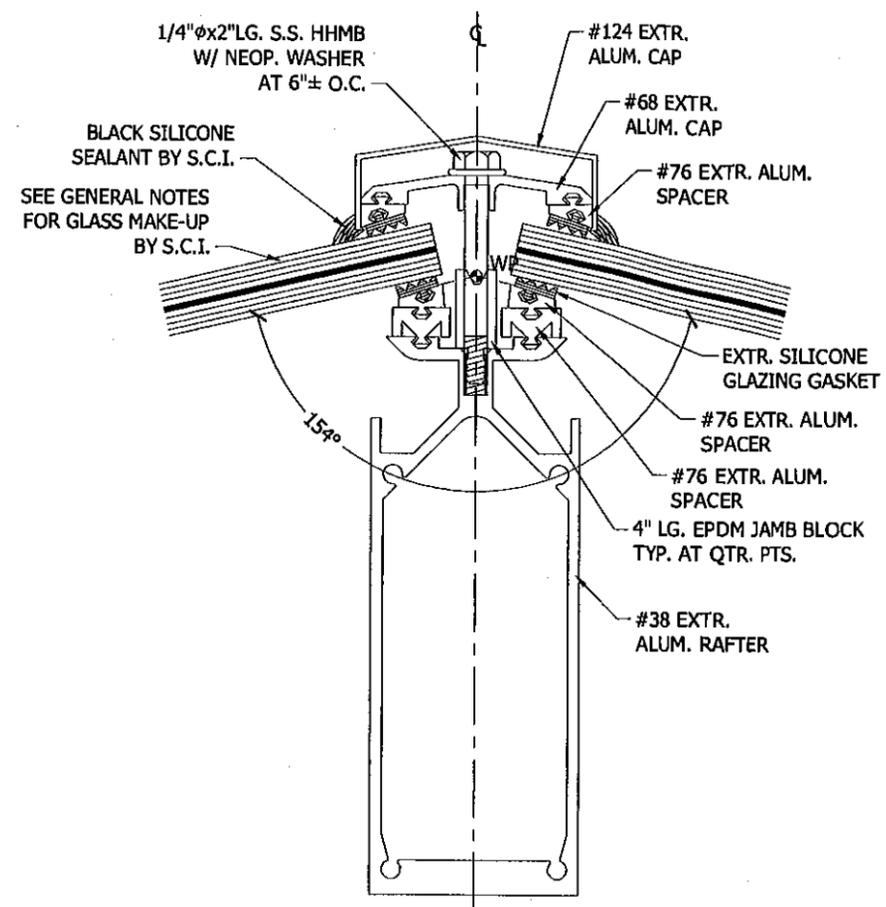
METCOE SKYLIGHT SPECIALTIES
1715 WEST 135th STREET
GARDENA, CA 90249

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SHEET 3A OF 8

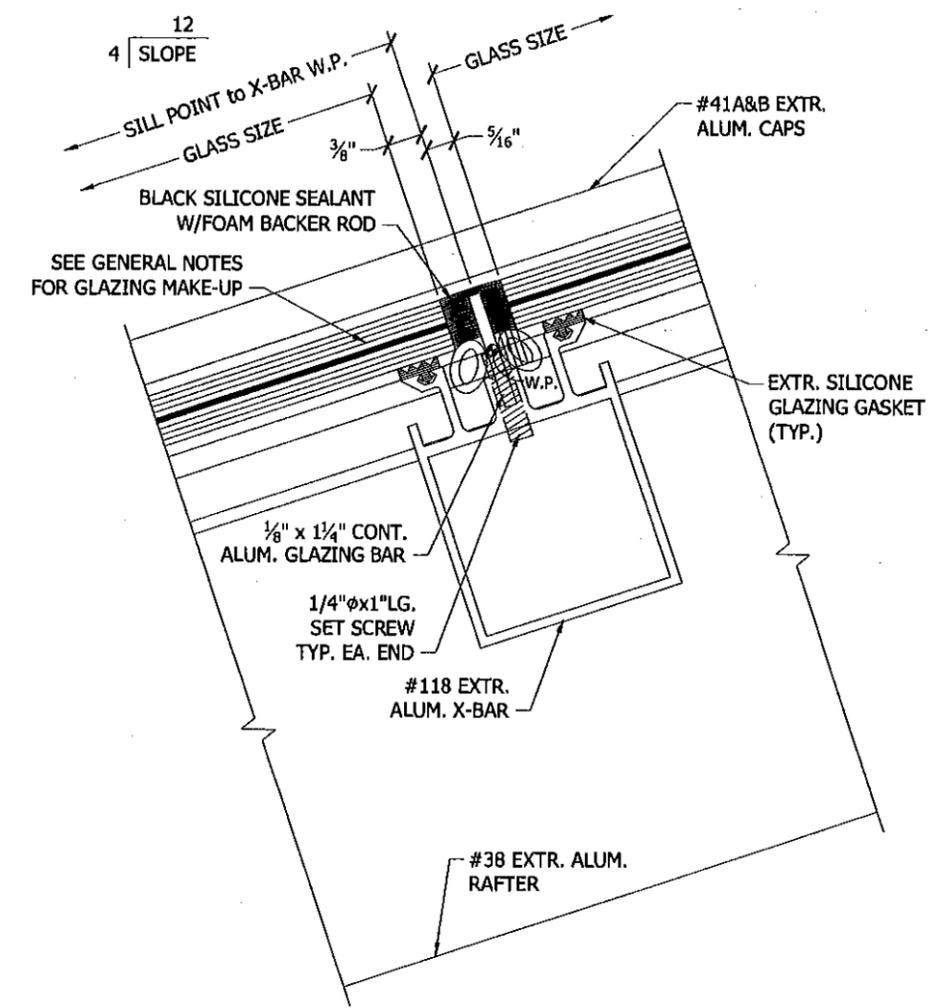
MET.11001.DWG Pyramid Skylight (NOA).dwg (Cr- 4/14/2011 17:20)



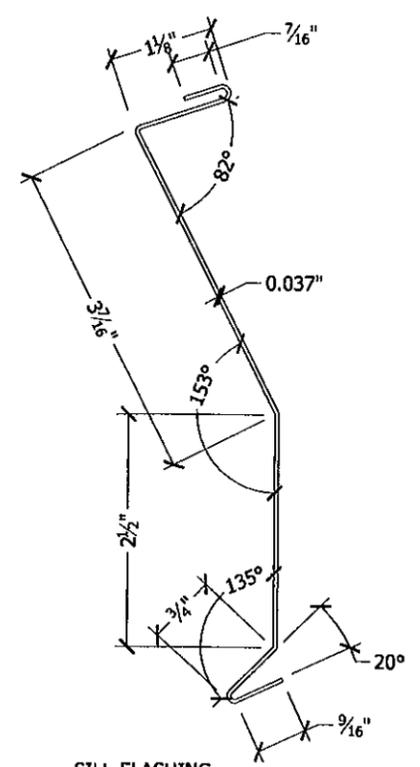
1 RAFTER DETAIL
 4 SCALE: 6" = 1'-0" CROSS SECTION



2 HIP RAFTER DETAIL
 4 SCALE: 6" = 1'-0" VERTICAL SECTION



3 X-BAR DETAIL
 4 SCALE: 6" = 1'-0" VERTICAL SECTION



SILL FLASHING
 SCALE: 6" = 1'-0"

NU-WIND ENGINEERING
 UNUSUAL PROBLEMS... UNUSUAL SOLUTIONS
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 1200 N FEDERAL HWY, #200
 BOCA RATON, FL 33432
 Doc: 14-2011
 CHRISTIAN LANGLEY, PE
 FL PE #67382 CA #28511

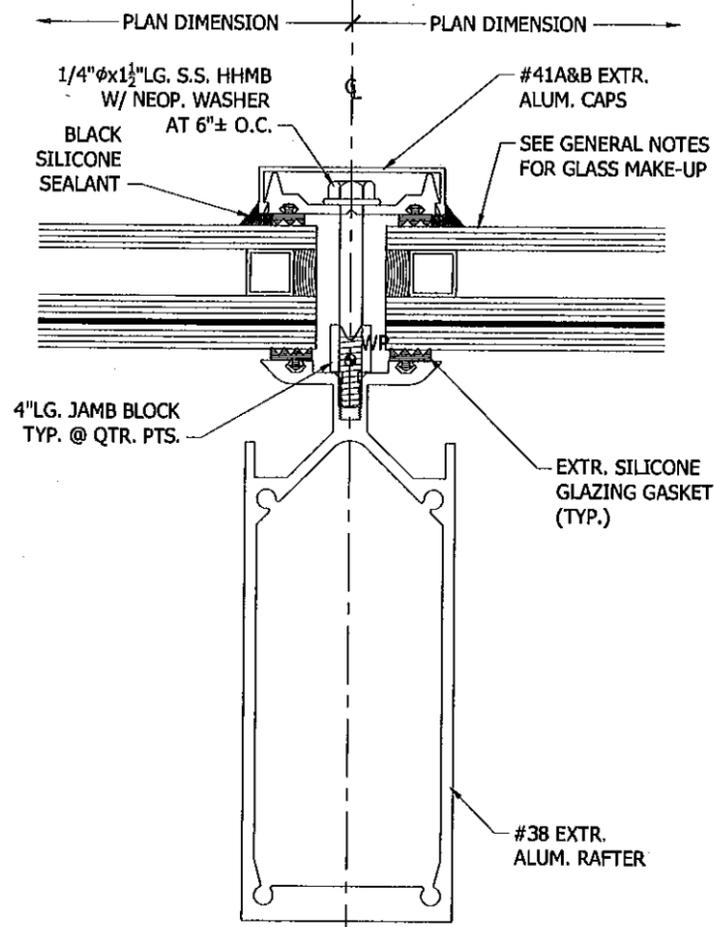
DATE	DESCRIPTION	BY
2/14/11	INITIAL SUBMITTAL	CL

METCOE ALUMINUM SKYLIGHT SYSTEM
 MIAMI-DADE NOA

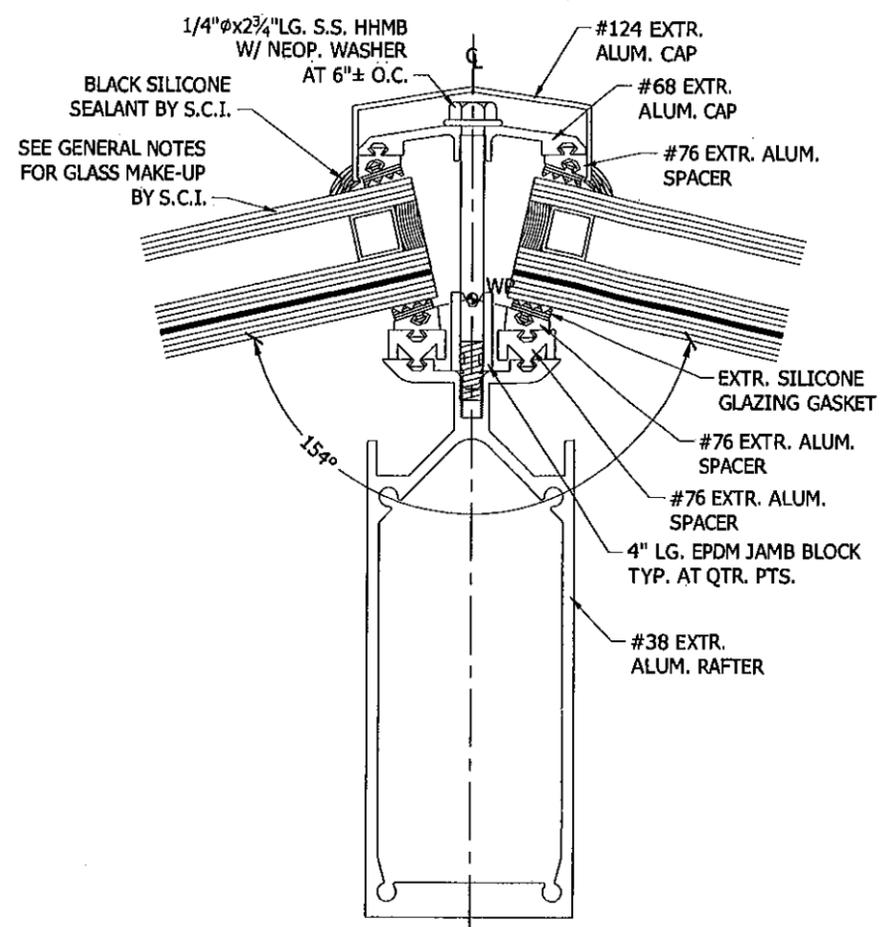
METCOE SKYLIGHT SPECIALTIES
 1715 WEST 135th STREET
 GARDENA, CA 90249

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No **10-0804.16**
 Expiration Date **05/19/2015**
 By *Heather A. Walker*
 Miami Dade Product Control

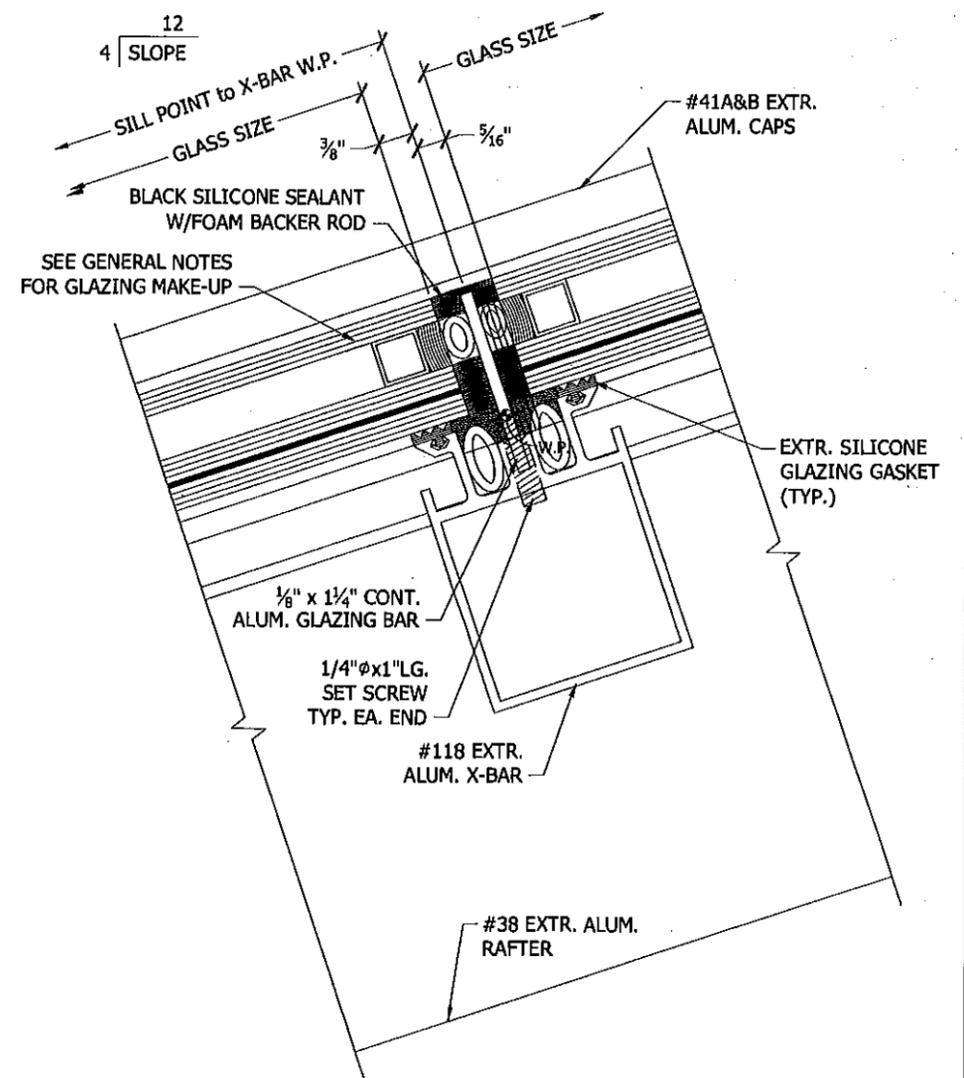
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 SHEET **4** OF **8**



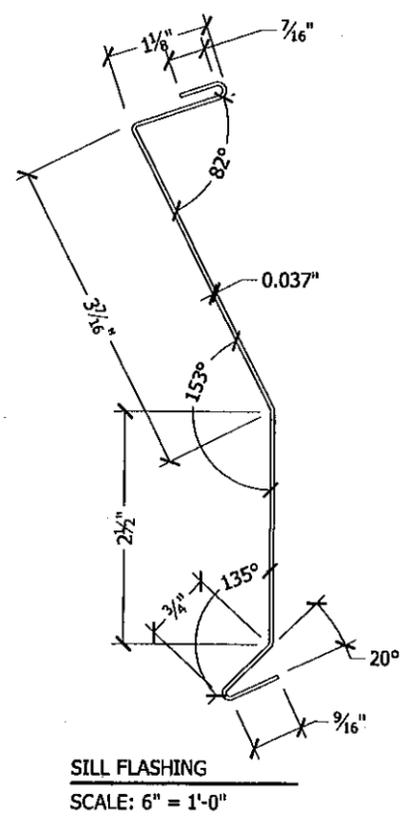
1 RAFTER DETAIL
4A SCALE: 6" = 1'-0" CROSS SECTION



2 HIP RAFTER DETAIL
4A SCALE: 6" = 1'-0" VERTICAL SECTION



3 X-BAR DETAIL
4A SCALE: 6" = 1'-0" VERTICAL SECTION



SILL FLASHING
SCALE: 6" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0804.16
Expiration Date 05/19/2015
By *[Signature]*
Miami Dade Product Control

DATE: 2/14/11
DESCRIPTION: INITIAL SUBMITTAL
BY: [Signature]
CL: [Signature]
DATE: 2/20/11
BY: [Signature]
DESCRIPTION: [Signature]
CL: [Signature]

DATE	DESCRIPTION	BY	CL
2/14/11	INITIAL SUBMITTAL	[Signature]	[Signature]

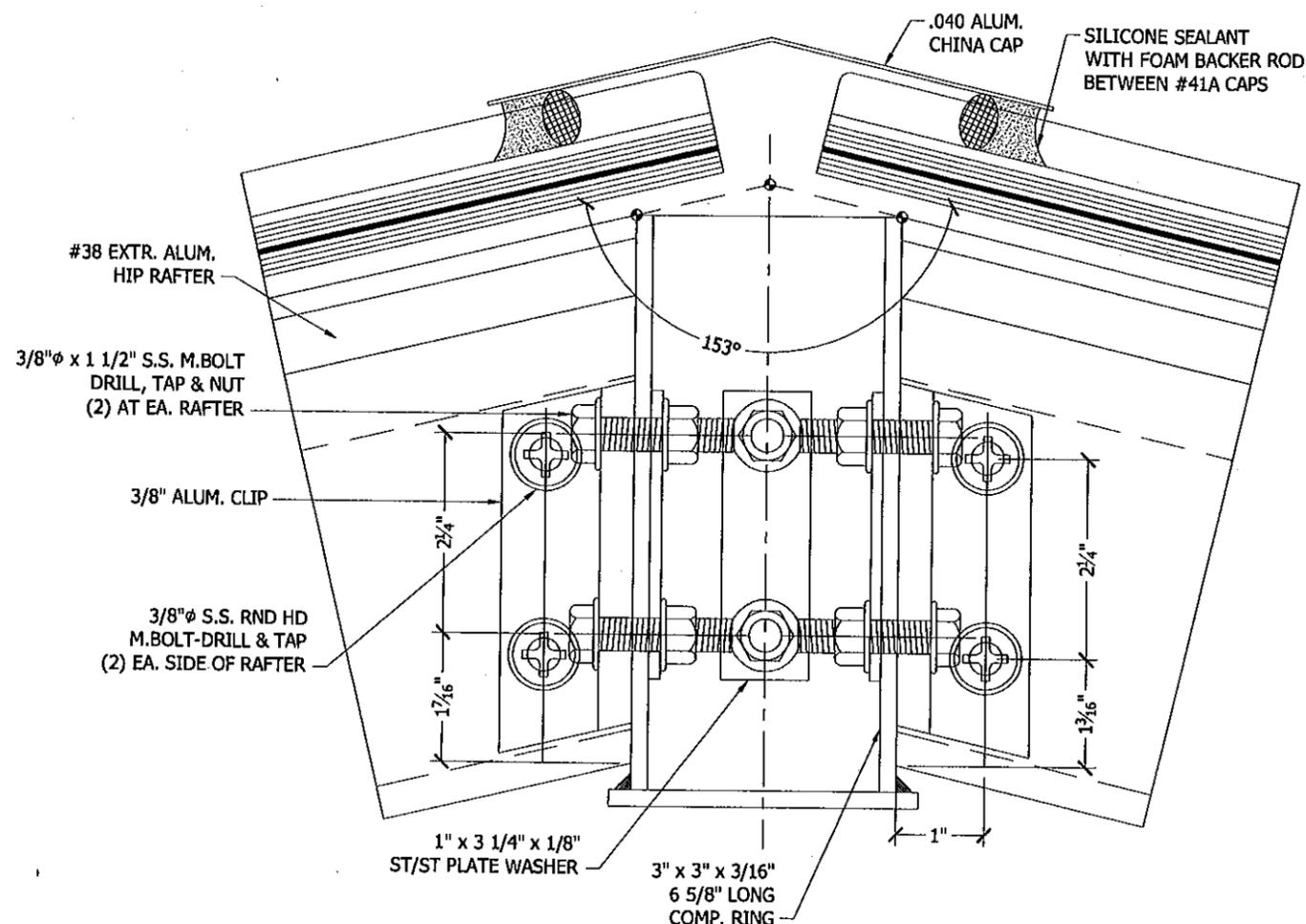
METCOE ALUMINUM
SKYLIGHT SYSTEM
MIAMI-DADE NOA

METCOE
SKYLIGHT SPECIALTIES
1715 WEST 135th STREET
GARDENA, CA 90249

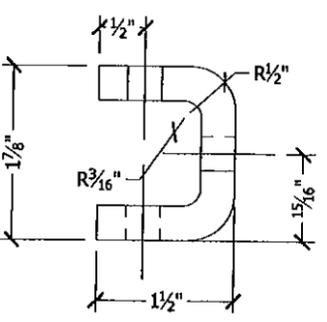
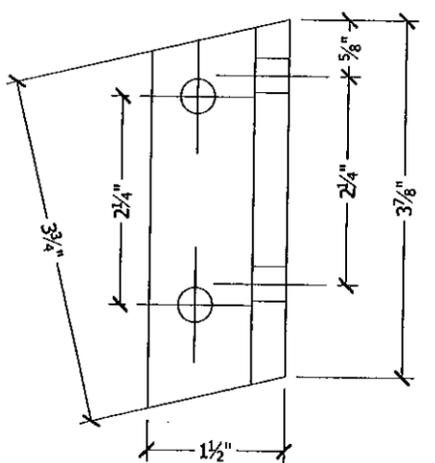
DRAWING NUMBER:
MET.11001

SHEET
4A OF 8

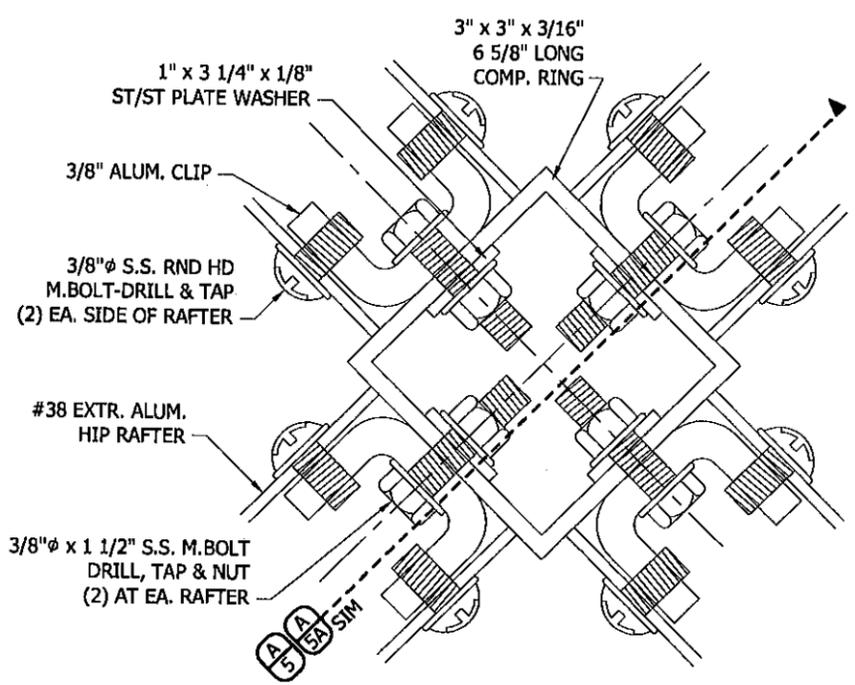
MET.11001_01c Pyramid Skylight (NOA).dwg (C:41472011.1716) 4/14/2011 17:28



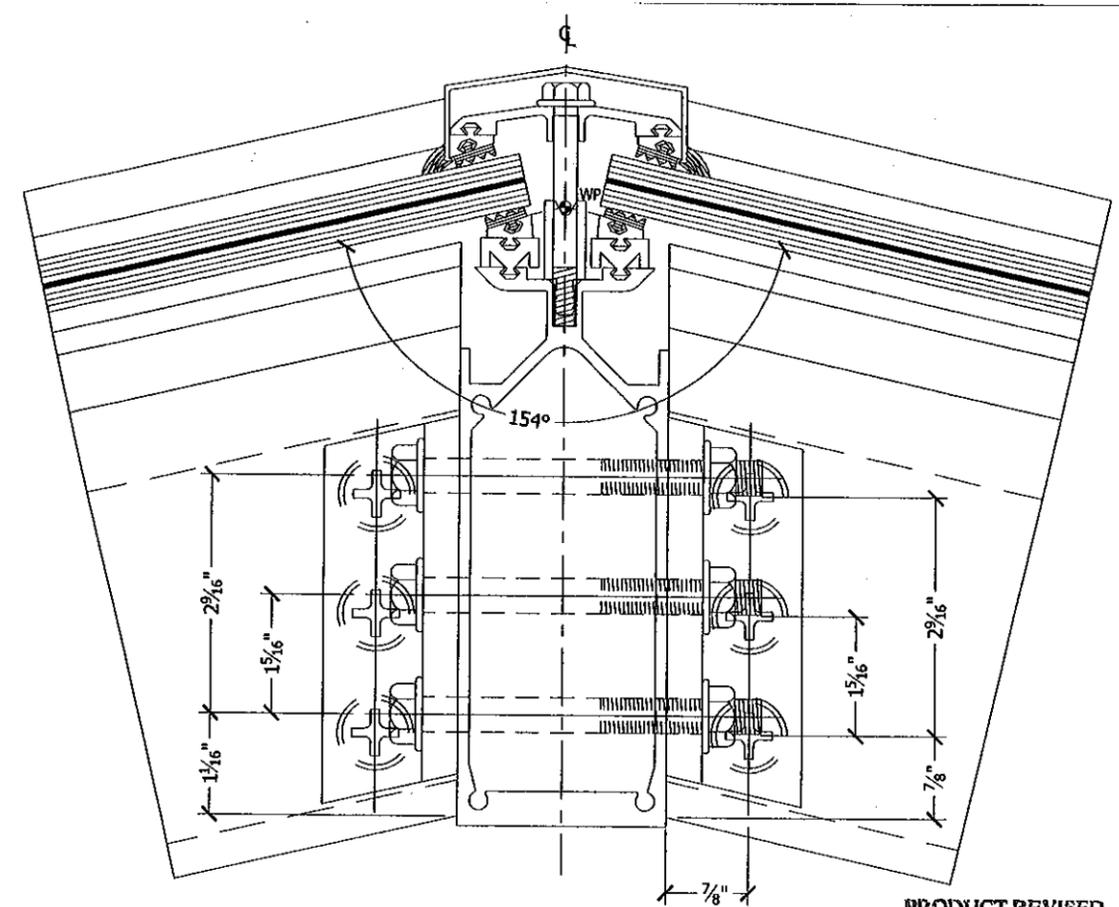
A COMPRESSION RING SECTION VIEW
 5 SCALE: 6" = 1'-0" VERTICAL SECTION



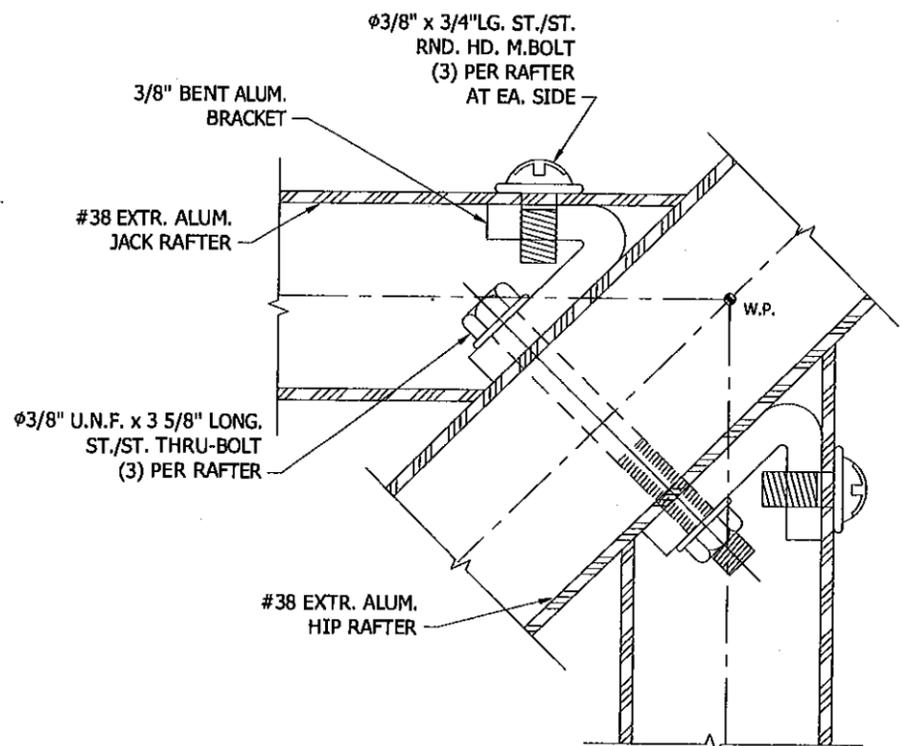
3/8\"/>



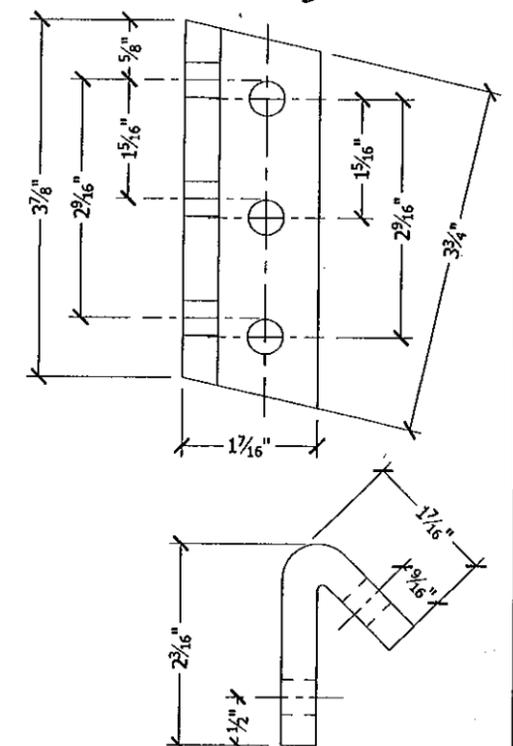
1 COMPRESSION RING DETAIL
 5 SCALE: 6" = 1'-0" HORIZONTAL SECTION



2 JACK RAFTERS DETAIL
 5 SCALE: 6" = 1'-0" VERTICAL SECTION



3 RAFTER/HIP CONNECTION DETAIL
 5 SCALE: 6" = 1'-0" HORIZONTAL SECTION



3/8\"/>

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No **10-0804.16**
 Expiration Date **05/19/2015**
 By *Michael A. ...*
 Miami Dade Product Control

NU-WIND ENGINEERING
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14 2011
 CHRISTIAN LANGLEY, PE
 FL PE #67382

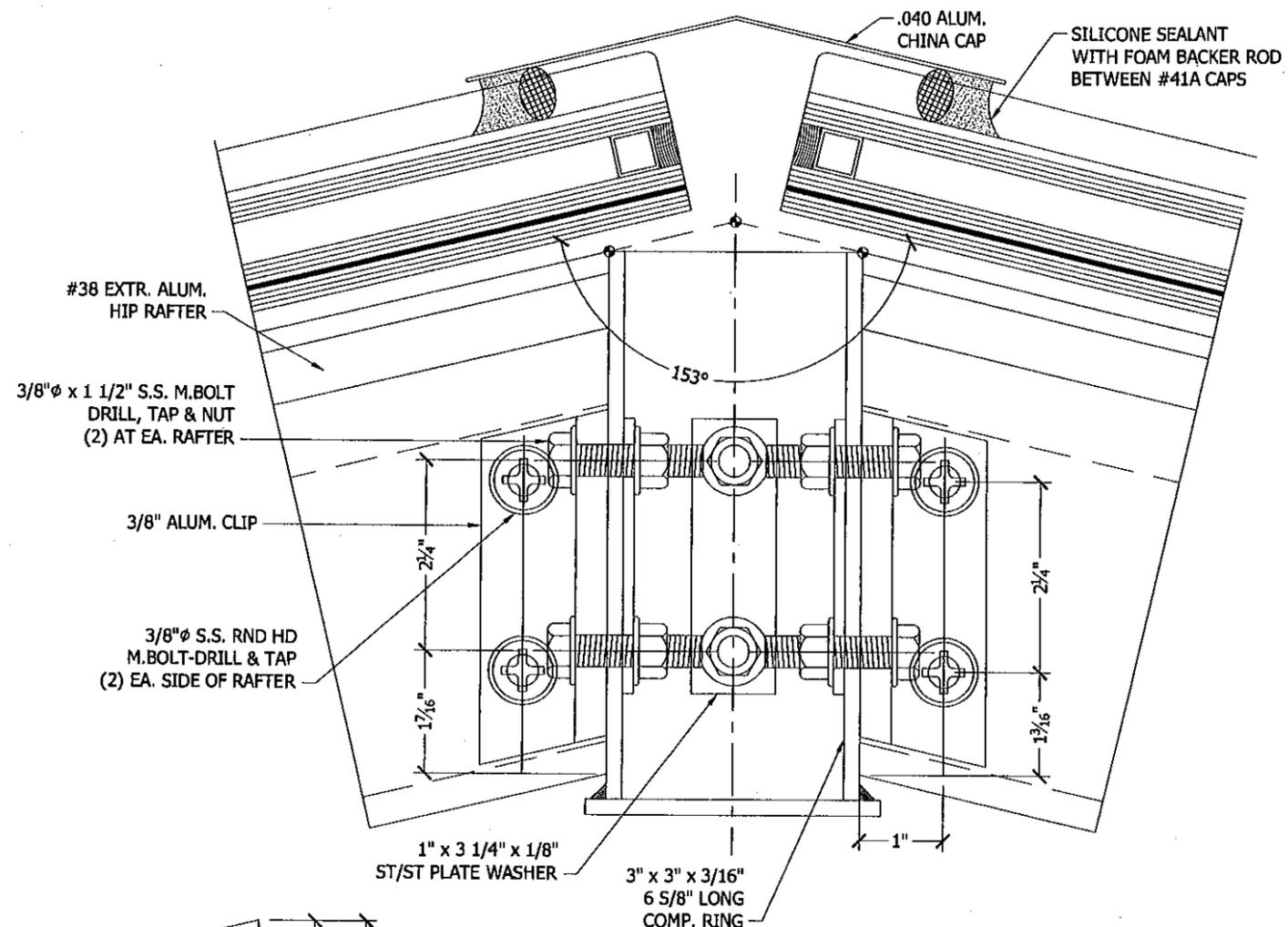
DATE	DESCRIPTION	BY
2/14/11	INITIAL SUBMITTAL	CL

METCOE ALUMINUM
 SKYLIGHT SYSTEM
 MIAMI-DADE NOA

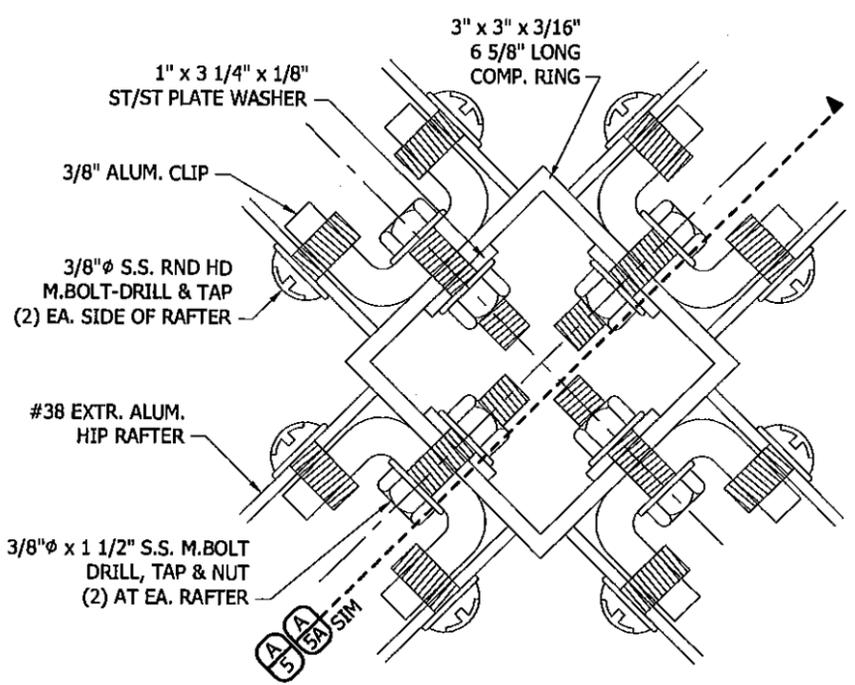
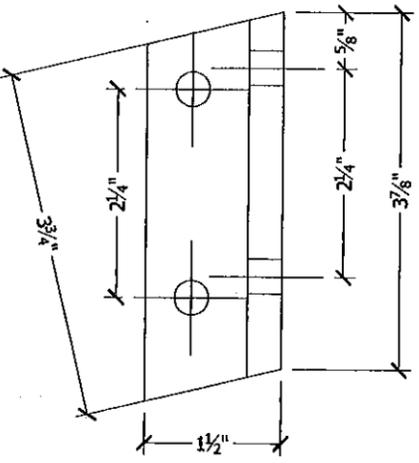
METCOE
 SKYLIGHT SPECIALTIES
 1715 WEST 135th STREET
 GARDENA, CA 90249

DRAWING NUMBER:
MET.11001

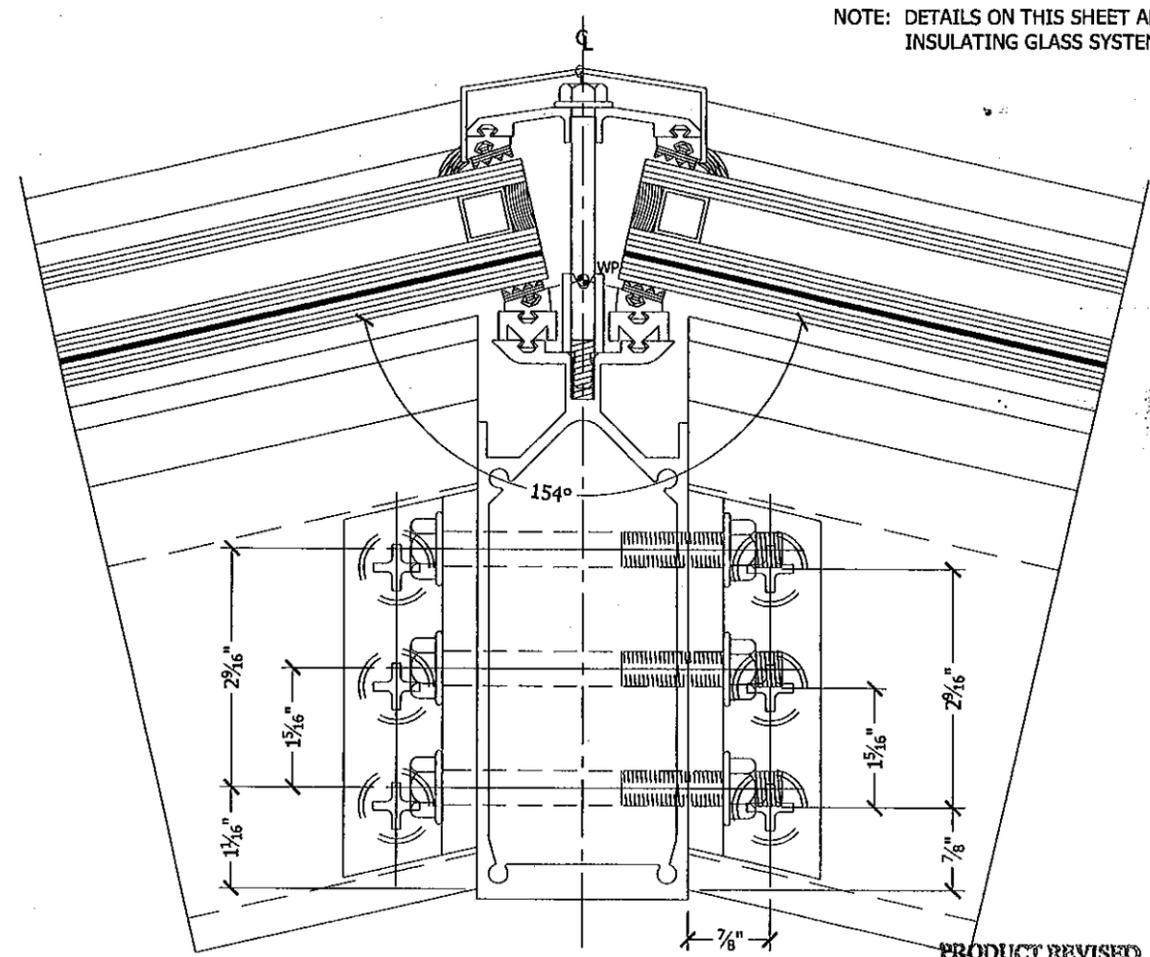
SHEET
5 OF **8**



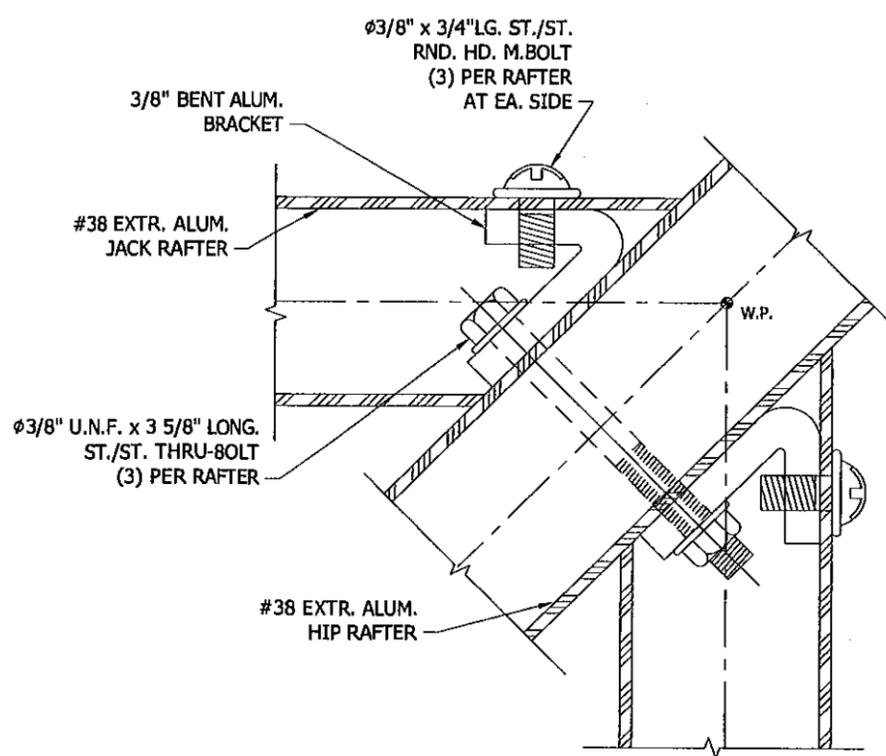
1 COMPRESSION RING SECTION VIEW
5A SCALE: 6" = 1'-0" VERTICAL SECTION



2 COMPRESSION RING DETAIL
5A SCALE: 6" = 1'-0" HORIZONTAL SECTION



3 JACK RAFTERS DETAIL
5A SCALE: 6" = 1'-0" VERTICAL SECTION



3 RAFTER/HIP CONNECTION DETAIL
5A SCALE: 6" = 1'-0" HORIZONTAL SECTION

NOTE: DETAILS ON THIS SHEET ARE FOR INSULATING GLASS SYSTEM ONLY

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 10-0804.16 Expiration Date 05/19/2015

By *[Signature]* Miami-Dade Product Control

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UNIVERSITY MICROFILMS
1200 N FEDERAL HWY # 200
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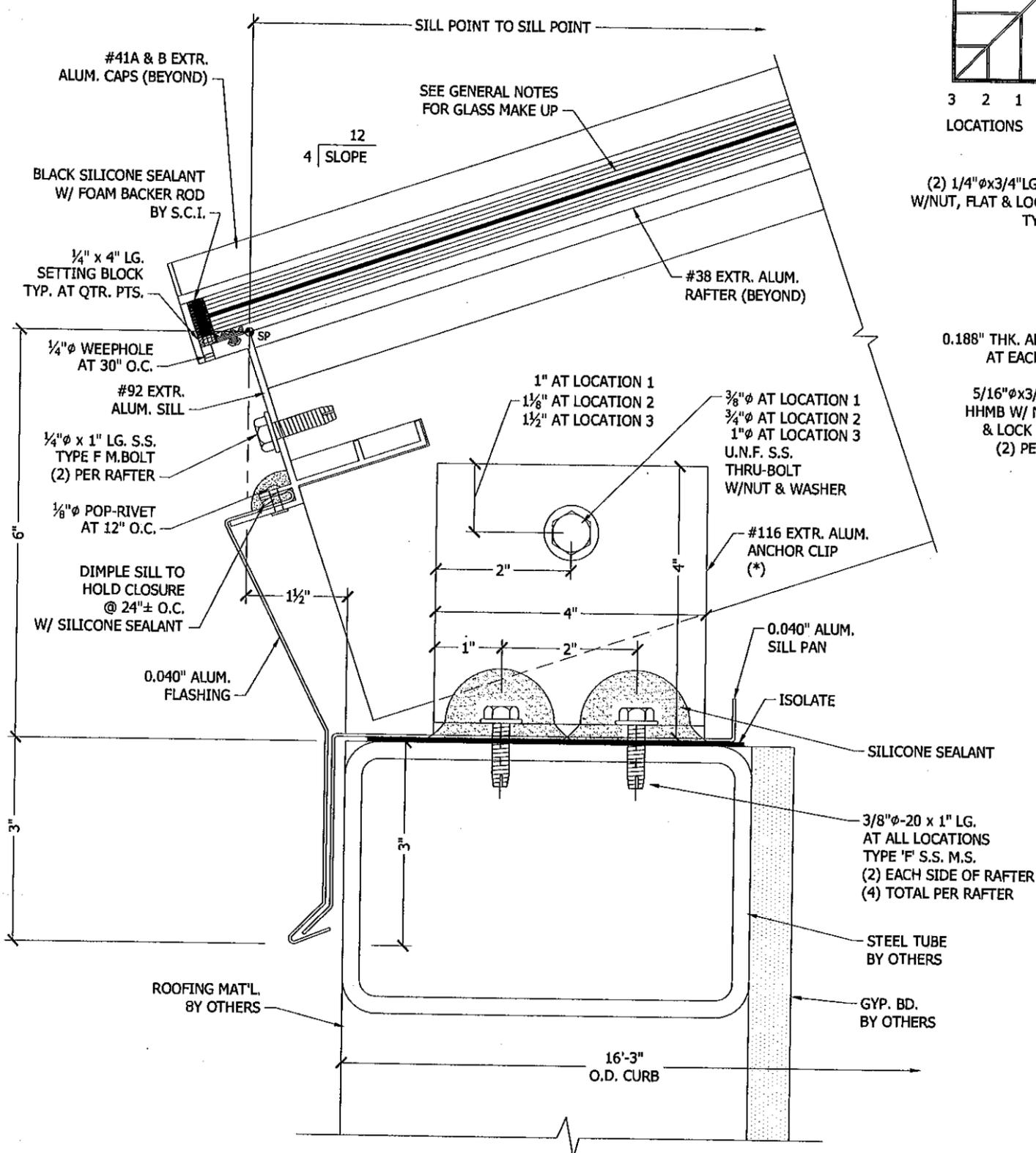
2/14/11
CHRISTIAN LANGLEY, PE
FL PE #67382 CA#28511

DATE	DESCRIPTION	BY
2/14/11	INITIAL SUBMITTAL	CL

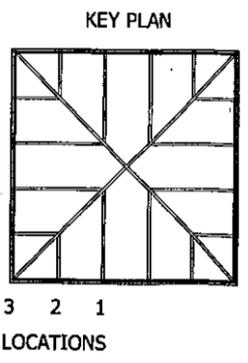
PRODUCT
METCOE ALUMINUM SKYLIGHT SYSTEM
MIAMI-DADE NOA

METCOE SKYLIGHT SPECIALTIES
1715 WEST 135th STREET
GARDENA, CA 90249

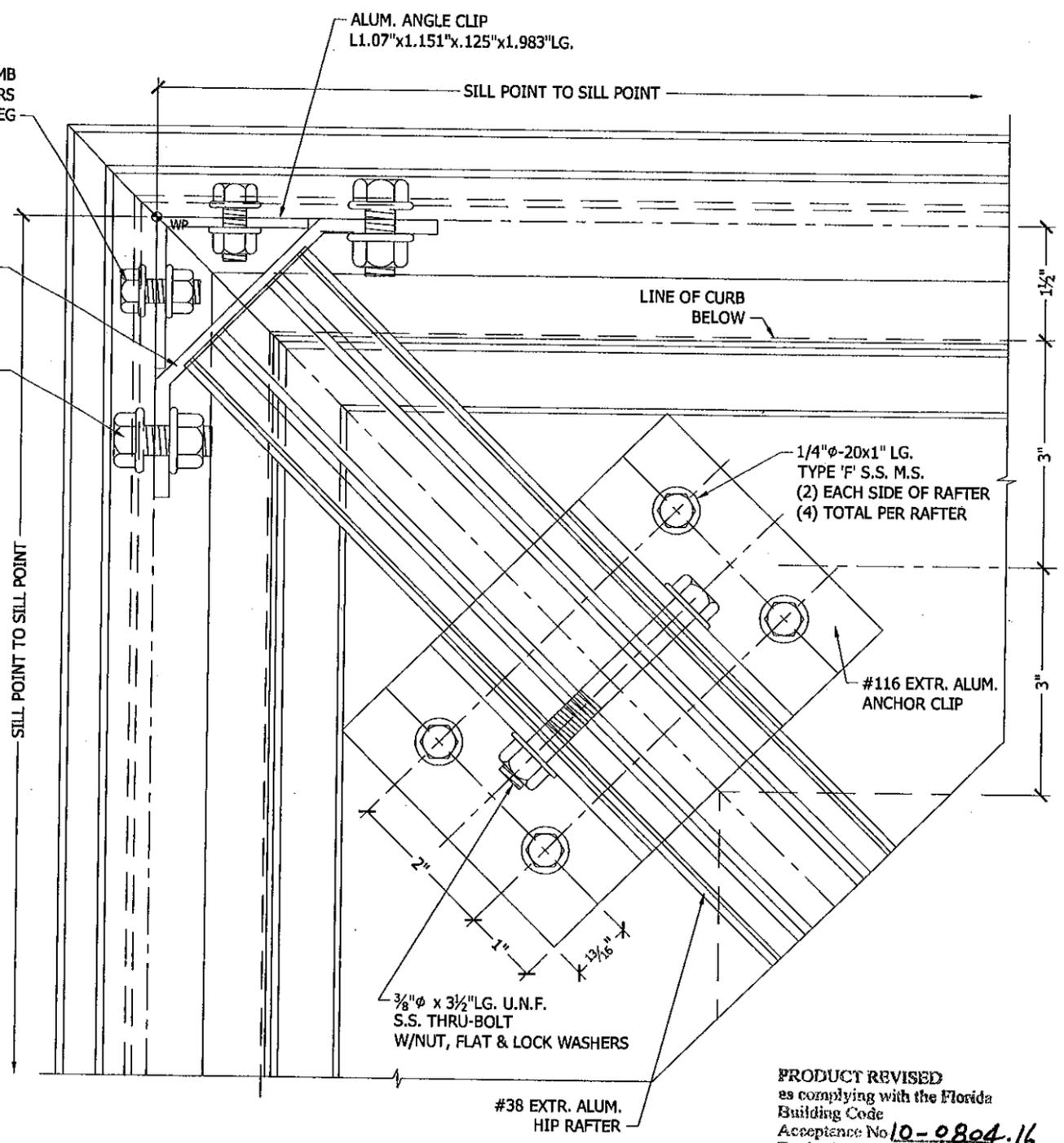
DRAWING NUMBER: MET.11001
SHEET 5A OF 8



1 SILL DETAIL
6 SCALE: 6" = 1'-0" VERTICAL SECTION



(2) 1/4"φx3/4"LG. S.S. HHMB W/NUT, FLAT & LOCK WASHERS TYP. EACH LEG



2 CORNER DETAIL
6 SCALE: 6" = 1'-0" PLAN VIEW

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0804.16
Expiration Date 05/19/2015
By *Healy A. Nelson*
Miami Dade Product Control

* THE ANCHOR SIZE, PERIMETER BRACKET SIZE, AND PERIMETER CONNECTION BOLT SIZES ARE FOR +75 PSF / -85 PSF DESIGN LOADS. ACTUAL BRACKET SIZE, CONNECTION BOLT SIZE, SILL, FLASHING, AND ANCHOR BOLT SIZE WILL VARY WITH EACH APPLICATION, AND THEY SHALL BE REVIEWED AND APPROVED BY THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB.

DATE	DESCRIPTION	BY	CL
2/4/11	INITIAL SUBMITTAL		

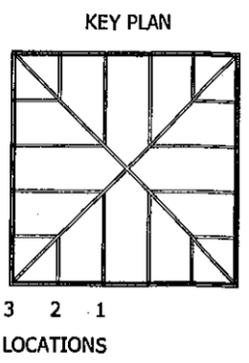
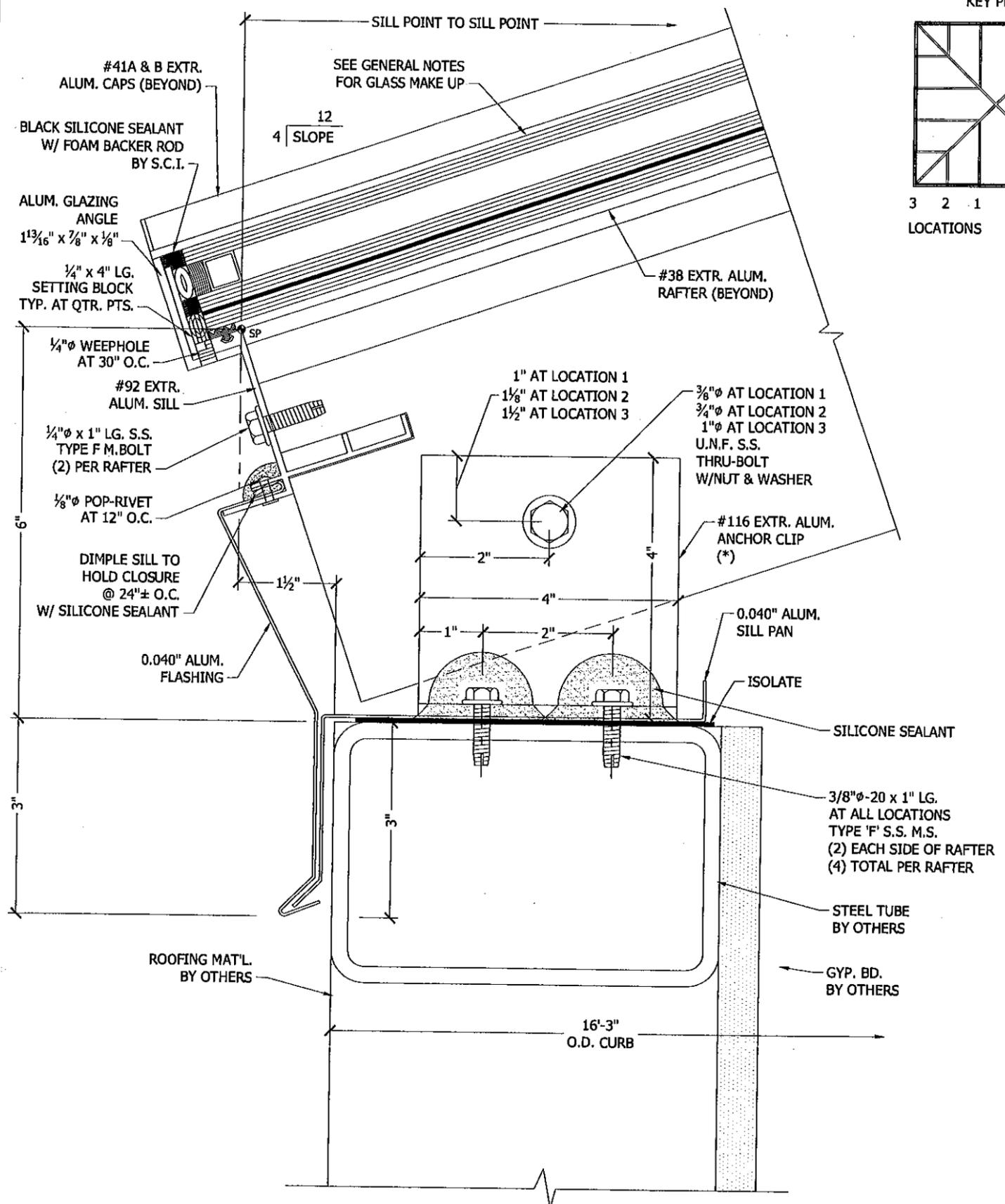
PRODUCT
METCOE ALUMINUM SKYLIGHT SYSTEM
MIAMI-DADE NOA

METCOE SKYLIGHT SPECIALTIES
1715 WEST 135th STREET
GARDENA, CA 90249

DRAWING NUMBER:
MET.11001

SHEET
6 OF 8

MET.11001_01c Pyramid Skylight (NOI) (C: 4/14/2011 17:16) 4/14/2011 12:21



1 SILL DETAIL
6A SCALE: 6" = 1'-0" VERTICAL SECTION

* THE ANCHOR SIZE, PERIMETER BRACKET SIZE, AND PERIMETER CONNECTION BOLT SIZES ARE FOR +75 PSF / -85 PSF DESIGN LOADS. ACTUAL BRACKET SIZE, CONNECTION BOLT SIZE, SILL, FLASHING, AND ANCHOR BOLT SIZE WILL VARY WITH EACH APPLICATION, AND THEY SHALL BE REVIEWED AND APPROVED BY THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No **10-0804-16**
 Expiration Date **05/19/2015**
 By *Healy A. Miller*
 Miami Dade Product Control

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4/14/2011
 CHRISTIAN LANGLEY, PE

DATE	DESCRIPTION	BY	CL
2/14/11	INITIAL SUBMITTAL		

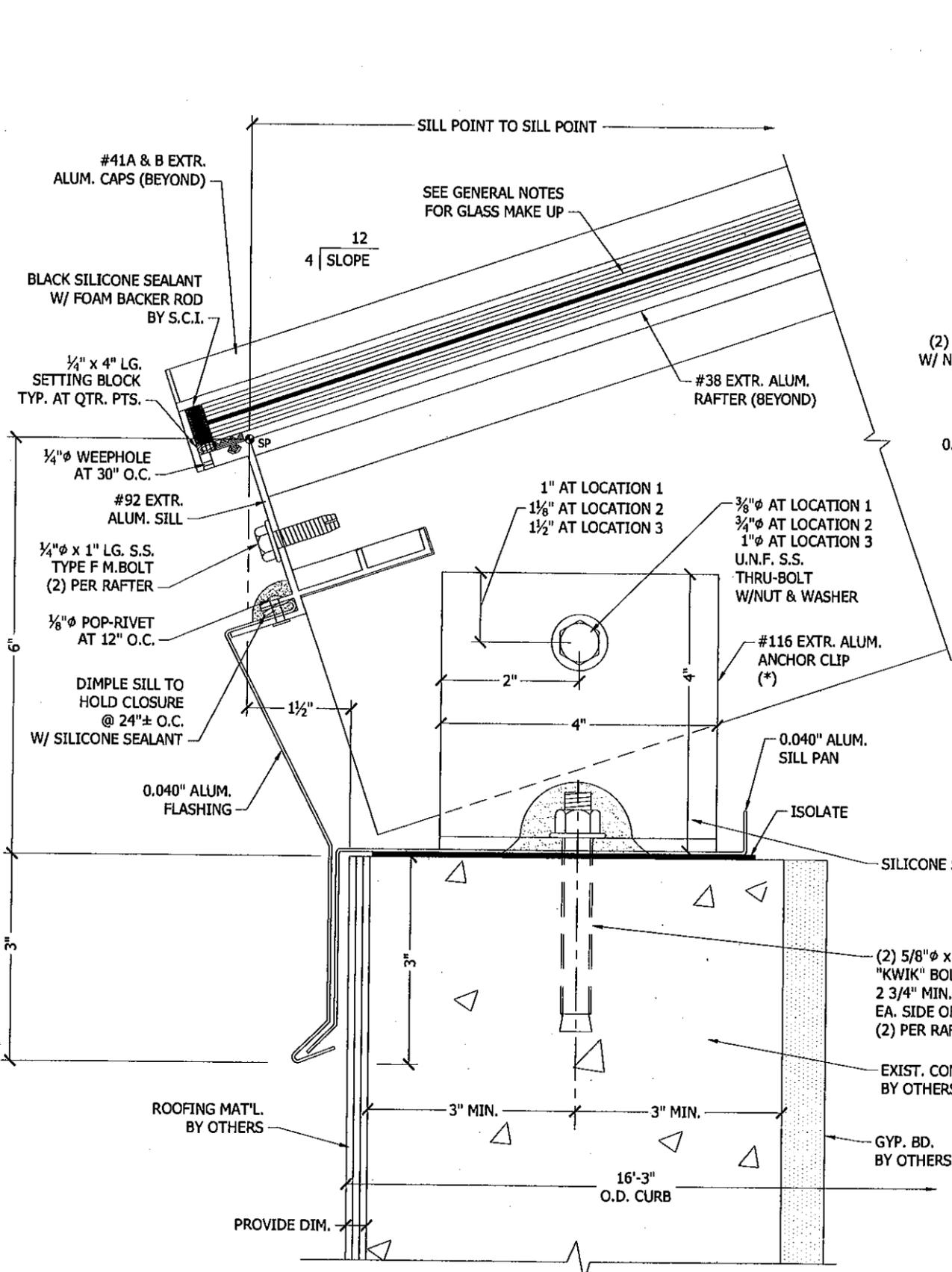
METCOE ALUMINUM SKYLIGHT SYSTEM
 MIAMI-DADE NOA

METCOE SKYLIGHT SPECIALTIES
 1715 WEST 135th STREET
 GARDENA, CA 90249

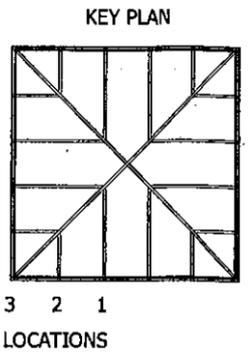
DRAWING NUMBER:
MET.11001

SHEET
6A OF 8

MET.11001_01c Pyramid Skylight (NOA).dwg (Cr: 4/14/2011 17:23)



1 SILL DETAIL
SCALE: 6" = 1'-0" VERTICAL SECTION

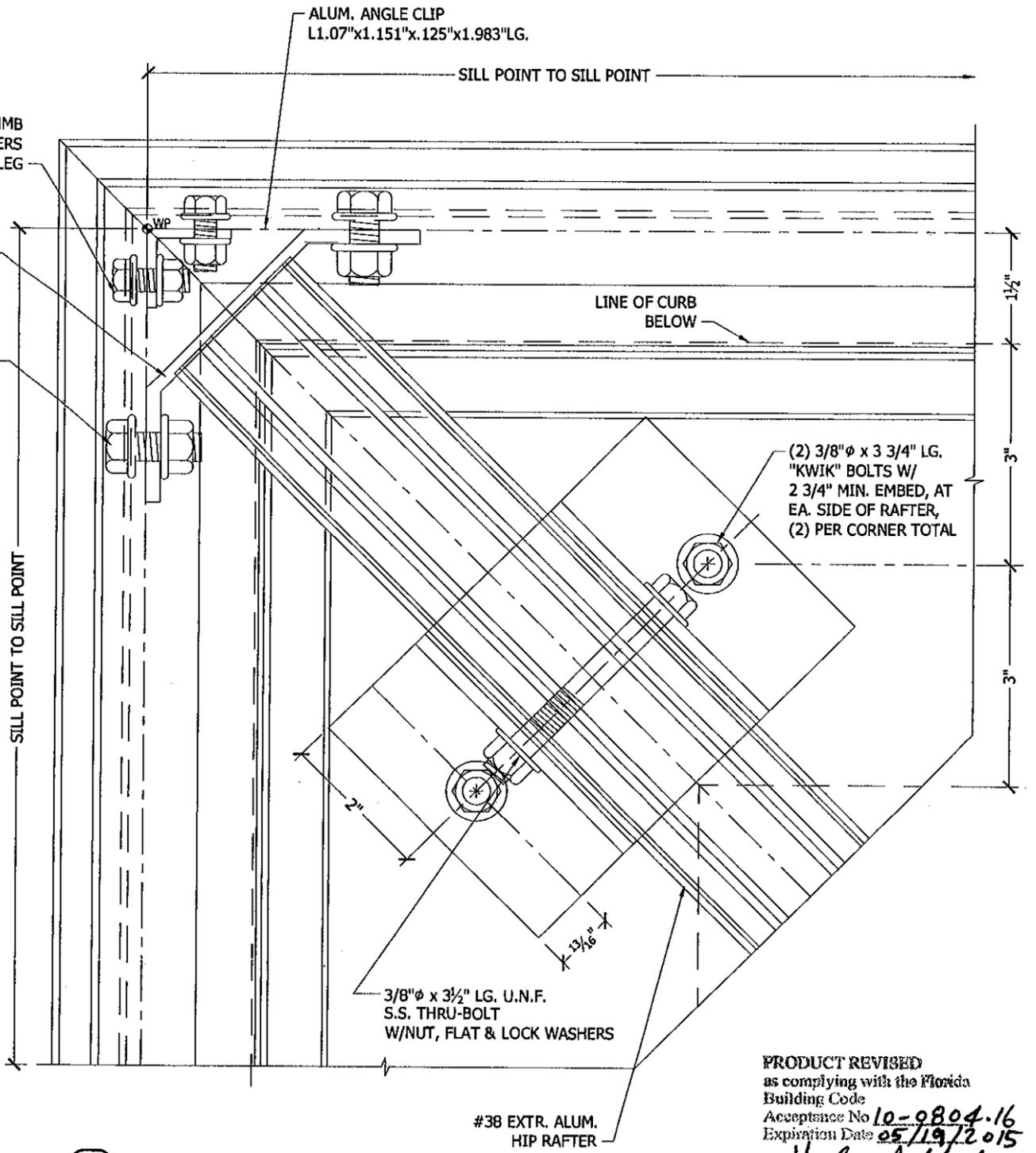


KEY PLAN
3 2 1
LOCATIONS

(2) 1/4" ϕ x 3/4" LG. S.S. HHMB
W/ NUT, FLAT & LOCK WASHERS
TYP. EACH LEG

0.188" THK. ALUM. CLIP
AT EACH RAFTER

5/16" ϕ x 3/4" LG. S.S.
HHMB W/ NUT, FLAT
& LOCK WASHERS
(2) PER RAFTER



2 CORNER DETAIL
SCALE: 6" = 1'-0" PLAN VIEW

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-9804-16
Expiration Date 05/19/2015
By *Helmut A. Miller*
Miami Dade Product Control

* THE ANCHOR SIZE, PERIMETER BRACKET SIZE, AND PERIMETER CONNECTION BOLT SIZES ARE FOR +75 PSF / -85 PSF DESIGN LOADS. ACTUAL BRACKET SIZE, CONNECTION BOLT SIZE, SILL, FLASHING, AND ANCHOR BOLT SIZE WILL VARY WITH EACH APPLICATION, AND THEY SHALL BE REVIEWED AND APPROVED BY THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB.

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BOCA RATON, FL 33432

DATE: 2/24/11
BY: CHRISTIAN KANGLEY, PE
CHECKED BY: JEFFREY M. ...

DATE	DESCRIPTION	BY	CL
2/24/11	INITIAL SUBMITTAL		

METCOE ALUMINUM SKYLIGHT SYSTEM
MIAMI-DADE NOA

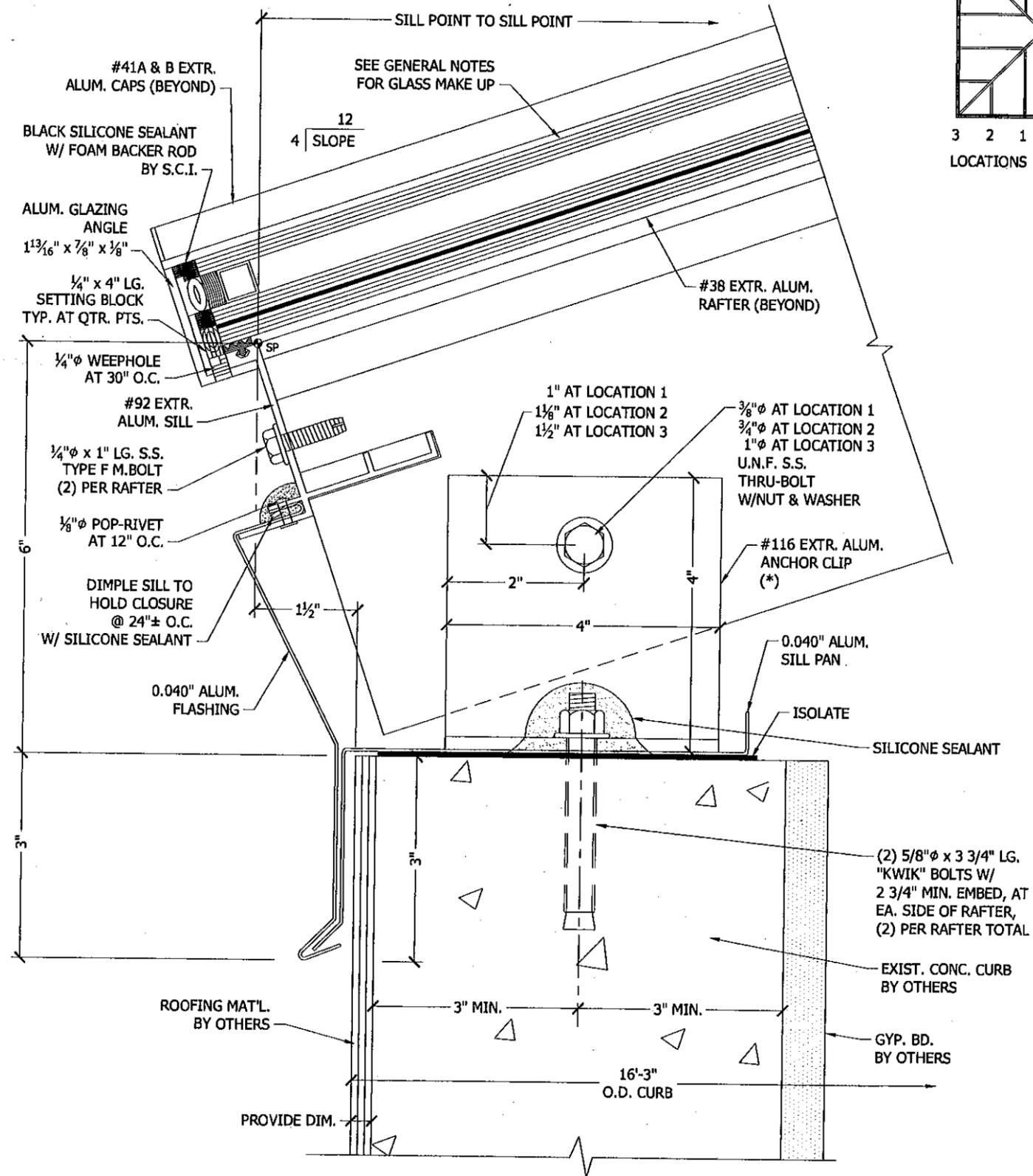
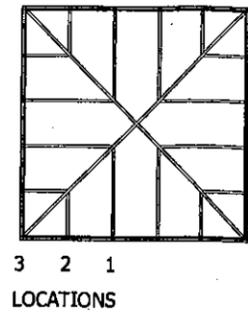
METCOE SKYLIGHT SPECIALTIES
1715 WEST 135th STREET
GARDENA, CA 90249

DRAWING NUMBER:
MET.11001

SHEET
7 OF **8**

MET.11001, Dwg. Pyramid Skylight (NOA), (C) 4/14/2011 17:56
 chngly 4/14/2011 17:2

KEY PLAN



1 SILL DETAIL
 7A SCALE: 6" = 1'-0" VERTICAL SECTION

* THE ANCHOR SIZE, PERIMETER BRACKET SIZE, AND PERIMETER CONNECTION BOLT SIZES ARE FOR +75 PSF / -85 PSF DESIGN LOADS. ACTUAL BRACKET SIZE, CONNECTION BOLT SIZE, SILL, FLASHING, AND ANCHOR BOLT SIZE WILL VARY WITH EACH APPLICATION, AND THEY SHALL BE REVIEWED AND APPROVED BY THE CORRESPONDING BUILDING DEPARTMENT FOR EACH JOB.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0804.16
 Expiration Date 05/19/2015
 By *Harley A. Walker*
 Miami Dade

11582# V/C
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 BOCA RATON, FL 33432

CHRISTIAN LANGLEY, PE
 P.E. # 14,201

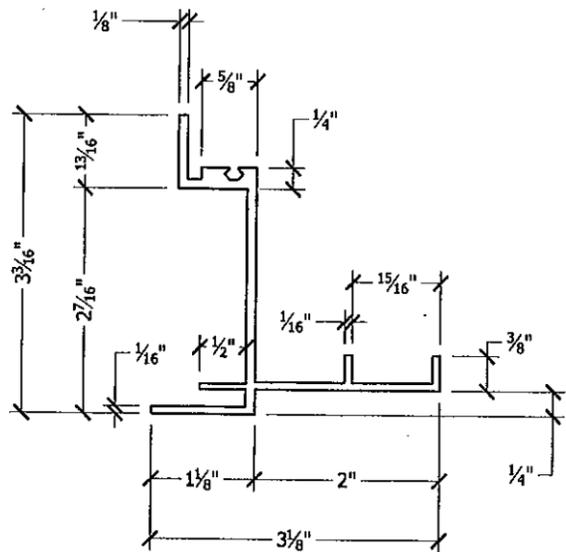
DATE	DESCRIPTION	BY	CL
2/14/11	INITIAL SUBMITTAL		

METCOE ALUMINUM SKYLIGHT SYSTEM
 MIAMI-DADE NOA

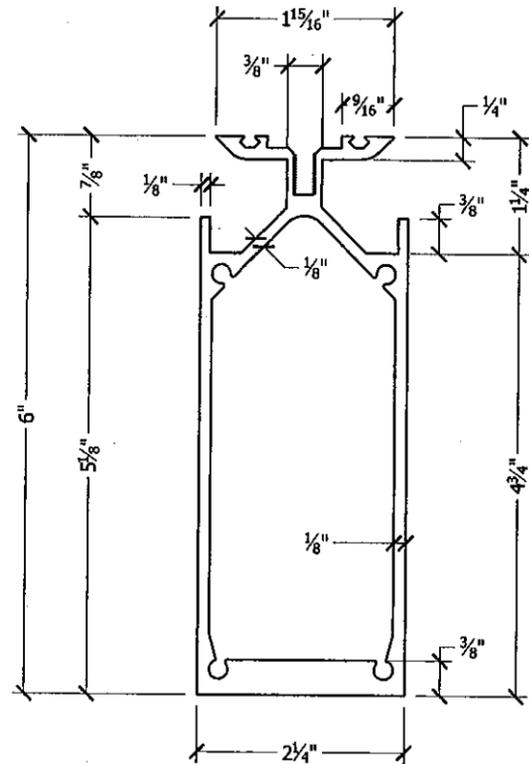
METCOE SKYLIGHT SPECIALTIES
 1715 WEST 135th STREET
 GARDENA, CA 90249

DRAWING NUMBER:
MET.11001
 SHEET
7A OF **8**

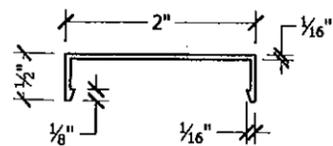
COMPONENTS



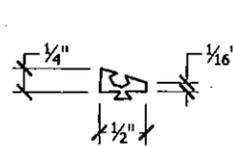
SILL #92
SCALE: 1:2



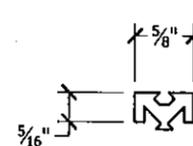
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SCALE: 1:2



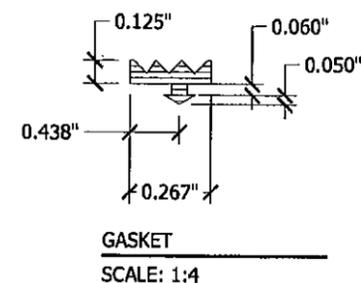
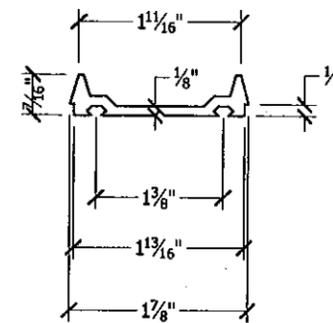
#41A & B ALUM. CAP
SCALE: 1:2



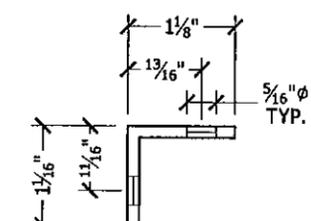
PITCH ADJ
SCALE: 1:2



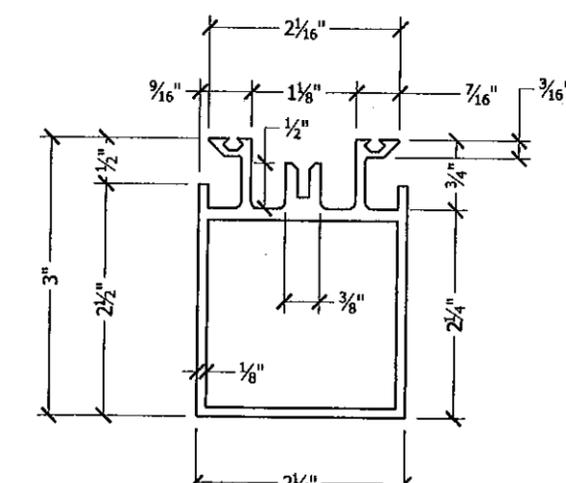
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SCALE: 1:2



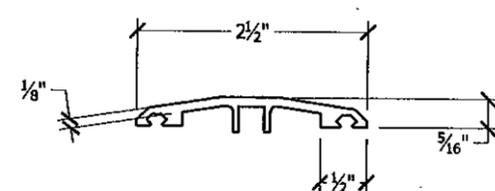
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SCALE: 1:4



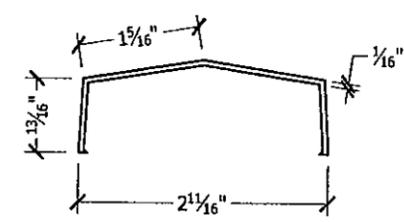
ANGLE CLIP
SCALE: 1:2



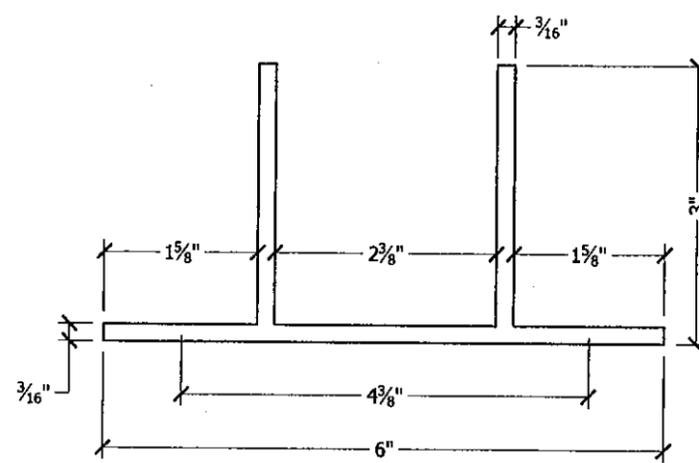
X-MEMBER #118
SCALE: 1:2



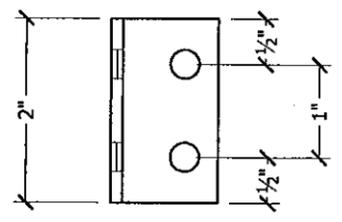
CAP #68
SCALE: 1:2



ALUM COVER #124
SCALE: 1:2



BRACKET #116
SCALE: 1:2



ANGLE CLIP
SCALE: 1:2

PRODUCT REVISED
as complying with the Florida
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Acceptance No 10-0804.16
Expiration Date 05/19/2015

By *Helmut A. Weber*
Miami Dade Product Control

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Apr 14 2014
CHRISTIAN LANGNEY, PE
FL PE #67382 CA #28511

DATE	DESCRIPTION	BY	CL
2/14/11	INITIAL SUBMITTAL		

METCOE ALUMINUM SKYLIGHT SYSTEM
MIAMI-DADE NOA

METCOE SKYLIGHT SPECIALTIES
1715 WEST 135TH STREET
GARDENA, CA 90249

DRAWING NUMBER:
MET.11001

SHEET
8 OF **8**

MET.11001_01c - Revised Skylight (NOA).dwg (Cr: 4/14/2014 17:16) cangley 4/14/2014 17:2