



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

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Super Sky Products Enterprises, LLC
10301 North Enterprise Drive
Mequon, Wisconsin 53092

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: Standard Tubular Aluminum Skylight System with Insulated Glass – L.M.I.

APPROVAL DOCUMENT: Drawing No. 2002-0246, sheets A1 through A4 of 4 and B1 through B6 of 6, and Drawing No. 2015-0223, sheets MI and MI1 through MI6 of 6, titled "Super Sky's Standard Tubular Skylight Glazing System", prepared, signed and sealed by Michael Ryer, P.E., on January 06, 2022, 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, city, state, model/series 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 #18-1220.02 and consists of this page 1, 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
01/20/2022

NOA No. 21-0930.14
Expiration Date: 11/18/2024
Approval Date: 01/20/2022
Page 1

Super Sky Products Enterprises, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 2002-0246, titled "Super Sky's Standard Tubular Skylight Glazing System", sheets A1 through A4 of 4 and B1 through B6 of 6, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on November 15, 2005.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test on Super Sky's Skylight Systems, prepared by Hurricane Test Laboratory, Inc., Report No. 0161-0207-99, dated 02/16/99, signed and sealed by Timothy S. Marshall, P.E. (Submitted under NOA 99-0610.02.)*
2. *Test report on Large Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test on Super Sky's Skylight Systems, prepared by Hurricane Test Laboratory, Inc., Report Nos. 0161-0409-05 & 0161-1023-04, dated September 13, 2005, signed and sealed by Vinu J. Abraham, P.E. (Submitted under NOA 05-1208.05.)*

C. CALCULATIONS

1. *Calculation titled "Super Sky Products, Inc. Mock-up-Dade County Product Approval TAS-201, TAS-202, TAS-203, Large Missile Test", dated November 11, 2005, sheets 1 through 21 of 21, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. (Submitted under NOA 05-1208.05.)*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *Mill Certified Test Report issued by Viracon, dated 03/10/99, with the glass strength analysis by Jeffrey D. Granato. (Submitted under NOA 99-0610.02.)*
2. *The Die Drawing Numbers D1 through D9 of 9, by Super Sky Products, Inc. (Submitted under NOA 99-0610.02.)*

F. OTHERS

1. *Letter of Compliance with the Florida Building Code, 2010 Edition, issued by Mr. David S. Barron, P.E., dated September 27, 2012, signed and sealed by Mr. David S. Barron, P.E.*
2. *Letter of Compliance with the Florida Building Code, 2010 Edition, issued by Mr. David S. Barron, P.E., dated February 10, 2012, signed and sealed by Mr. David S. Barron, P.E. (Submitted under NOA 11-0811.04.)*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 21-0930.14
Expiration Date: 11/18/2024
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Super Sky Products Enterprises, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #15-1124.07

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter of Compliance with the Florida Building Code, 2014 Edition, issued by David S. Barron, P.E., dated November 05, 2015, signed and sealed by David S. Barron, P.E.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-1005.04

A. DRAWINGS

1. *Drawing No. 2002-0246, titled "Super Sky's Standard Tubular Skylight Glazing System", sheets A1 through A4 of 4 and B1 through B6 of 6, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E on September 21, 2017.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

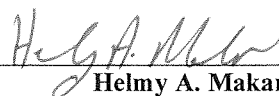
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter of Compliance with the Florida Building Code, 2014 Edition and 2017 Edition, issued by Mr. David S. Barron, P.E., dated September 21, 2017, signed and sealed by Mr. David S. Barron, P.E.*



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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-0618.03

A. DRAWINGS

1. *Drawing No. 2002-0246, titled "Super Sky's Standard Tubular Skylight Glazing System", sheets A1 through A4 of 4 and B1 through B6 of 6, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on May 08, 2018.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter of Compliance with the Florida Building Code, 2017 Edition, issued by Mr. David S. Barron, P.E., dated May 08, 2018, signed and sealed by Mr. David S. Barron, P.E.*

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-0823.01

A. DRAWINGS

1. *Drawing No. 2002-0246, sheets A1 through A4 of 4 and B1 through B6 of 6, and Drawing No. 2015-0223, sheets MI and MII through MI6 of 6, titled "Super Sky's Standard Tubular Skylight Glazing System", prepared, signed and sealed by David S. Barron, P.E., on May 08, 2018.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test on Super Sky's Skylight Systems, prepared by Intertek, Report No. 102611343MID-002AR1, dated 02/21/18, signed & sealed by Gary T. Hartman, P.E.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
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Super Sky Products Enterprises, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. OTHERS

1. *Letter of Compliance with the FBC, 2017 Edition, issued by Mr. David S. Barron, P.E., dated May 08, 2018, signed and sealed by Mr. David S. Barron, P.E.*

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-1220.02

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

7. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 2002-0246, sheets A1 through A4 of 4 and B1 through B6 of 6, and Drawing No. 2015-0223, sheets MI and MI1 through MI6 of 6, titled "Super Sky's Standard Tubular Skylight Glazing System", prepared, signed and sealed by Michael Ryer, P.E., on January 06, 2022.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter of Compliance with the FBC, 2020 Edition, issued by Mr. Michael Ryer, P.E., dated 09/02/2021, signed and sealed by Mr. Michael Ryer, P.E.*

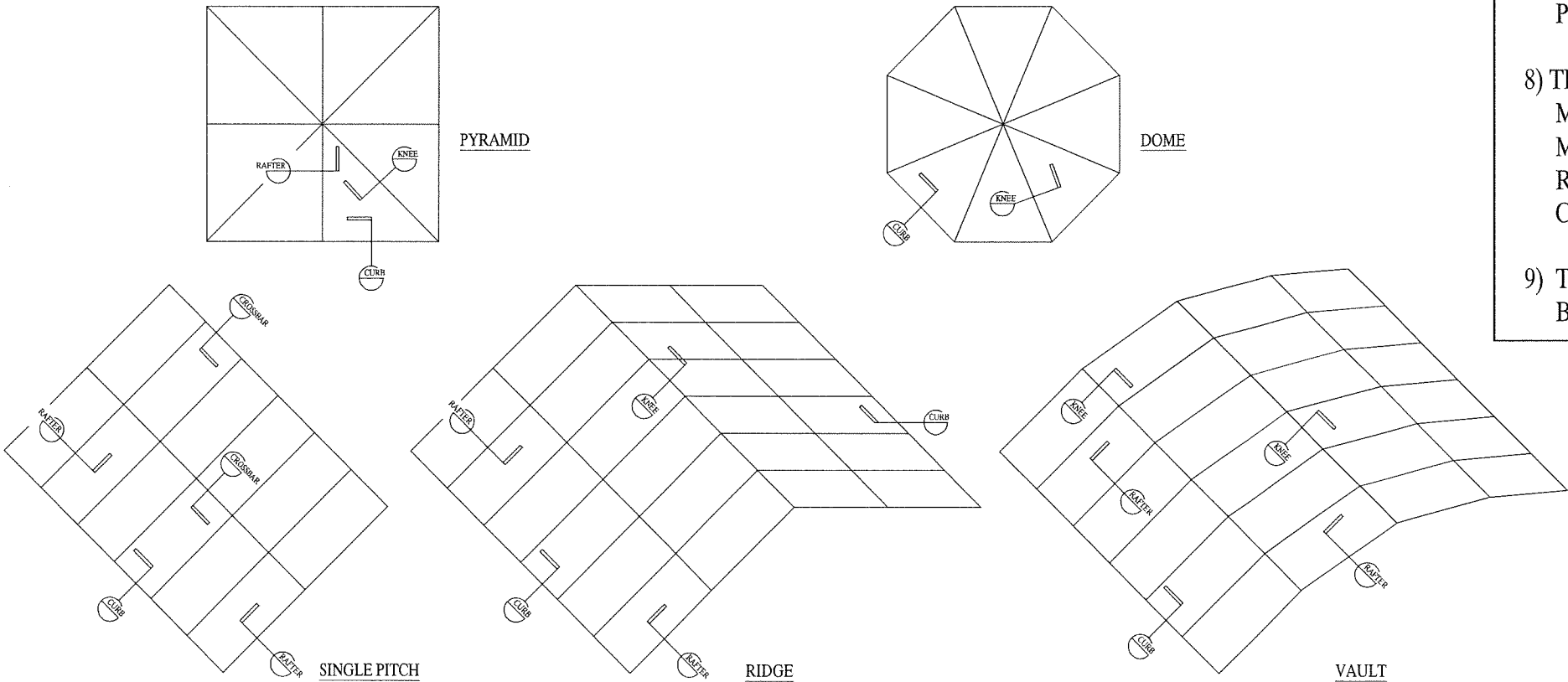


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 21-0930.14
Expiration Date: 11/18/2024
Approval Date: 01/20/2022

SUPER SKY'S STANDARD TUBULAR SKYLIGHT SYSTEM

- 1) **SYSTEM DESCRIPTION:** SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM CONSISTS OF AN EXTRUDED ALUMINUM STRUCTURAL FRAME (6005-T5), CUSTOM ENGINEERED TO SUIT A PARTICULAR PROJECT. THE EXTRUDED FRAME IS CONNECTED TOGETHER USING ALUMINUM CHANNEL CLIPS, ANCHOR PLATES, AND GUSSET PLATES, AS SHOWN ON DRAWINGS A1-A4. THE GLASS IS ATTACHED TO THE FRAME USING ALUMINUM RETAINERS (6005-T5), AND 1/4"-20 STAINLESS STEEL TORX HEAD SCREWS 6" O.C. THE SCREWS ENGAGE THE SERRATIONS IN THE ALUMINUM EXTRUSIONS BELOW. EPDM GASKETS ARE USED ON THE INTERIOR (1/8" X 1/2") AND EXTERIOR (1/4" X 3/8") TO CUSHION THE GLASS, AND A FULL SILICONE WEATHER SEAL AND SNAP-ON CAPS ARE APPLIED TO PREVENT AIR AND WATER INFILTRATION.
- 2) **SKYLIGHT TYPES:** SINCE ALMOST ALL SKYLIGHTS BUILT USING SUPER SKY'S STANDARD TUBULAR GLAZING SYSTEM ARE CUSTOM DESIGNED FOR A PARTICULAR BUILDING, VIRTUALLY NONE OF THEM ARE EXACTLY THE SAME. IN RECOGNITION OF THIS FACT, THE TEST SPECIMENS AS SHOWN ON SHEETS A1-A4 WERE DEVELOPED SO AS TO TEST THE FOUR STANDARD DETAILS USED ON MOST SKYLIGHT PROJECTS (CURB, RAFTER, CROSSBAR, AND KNEE). THE DESIGN PRESSURE, GLASS TYPE, AND GLASS SIZES WERE ALSO SELECTED TO SUIT THE MOST POSSIBLE SKYLIGHT PROJECTS.

EXAMPLES OF THESE SKYLIGHTS ARE SHOWN BELOW.



SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM

PRODUCT APPROVAL TESTING PER TAS-201, TAS-202, TAS-203

STANDARD DETAILS TESTED:

1. CURB (SEE DETAIL 1/A3)
2. RAFTER (SEE DETAIL 3/A3)
3. CROSSBAR (SEE DETAIL 1/A3)
4. KNEE [HIP] (SEE DETAIL 2/A3)

PLEASE SEE DRAWINGS A1-A4 FOR COMPLETE SPECIFICATIONS OF THE MOCK-UPS TESTED.

GENERAL NOTES:

- 1) THIS SYSTEM IS APPROVED FOR: DESIGN PRESSURES UP TO +80/-90PSF.
- 2) GLASS TYPE TESTED: 1 5/16" IGU CONSISTING OF: 1/4" CLEAR HEAT STRENGTHENED OUTER LITE, 1/2" AIR SPACE, 9/16" CLEAR LAMINATED INNER LITE, CONSISTING OF: 1/4" CLEAR HEAT STRENGTHENED GLASS, .077" VS-02 PVB INTERLAYER BY SOLUTIA 1/4" CLEAR HEAT STRENGTHENED GLASS.
- 3) LARGE MISSILE IMPACT TESTED. THIS GLASS PRODUCT IS APPROVED FOR USE FROM GRADE UP TO 30', OR HIGHER IF DESIRED.
- 4) APPROVED UP TO A MAXIMUM LITE SIZE OF 30 SQ. FT.
- 5) THE ALUMINUM EXTRUSIONS TESTED WERE SIZED PER STRUCTURAL CALCULATIONS TO SUIT THE SPANS AND DESIGN PRESSURE TESTED.
- 6) ALUMINUM CONTACTING MATERIALS NOT CONSIDERED COMPATIBLE SHALL BE PROTECTED PER THE FLORIDA BUILDING CODE 2020 EDITION. Δ Δ
- 7) THIS APPROVAL IS LIMITED TO THE MAXIMUM AREA OF THE 1 5/16" INSULATED GLASS, THE FULLY ASSEMBLED GLAZING DETAILS SYSTEM TO THE SUPPORTING RAFTERS AND THE MAXIMUM DESIGN PRESSURE SHOWN ON THESE DRAWINGS.
- 8) THE STRUCTURAL ADEQUACY OF THE SUPPORTING STRUCTURAL MEMBERS, (CURBS, RAFTERS, PURLINS, AND ALL OTHER FRAMING MEMBERS) IS NOT PART OF THIS APPROVAL AND IT SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.
- 9) THIS SKYLIGHT SYSTEM IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2020 EDITION. Δ Δ



SUPER SKY PRODUCTS ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

CURRENT NOA # 02-1009.05
LARGE MISSILE

REVISION		
Δ 2	NEW GLASS TYPE	JB
Δ 3	PER SSPE	BAY
Δ 4	4/24/18	BAY
Δ 5	PER SSPE	RN

PROJECT
MOCK-UP -
DADE COUNTY
PRODUCT APPROVAL
DADE COUNTY, FL
ENGINEER
Michael P. Ryer, P.E.

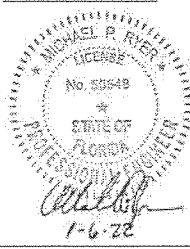
TEST LABORATORY
HURRICANE TEST LAB

RIVIERA BEACH, FL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0930-14
Expiration Date 11/18/2024
By *Michael P. Ryer*
Miami Dade Product Control

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

GLASS DRAWING:
27520

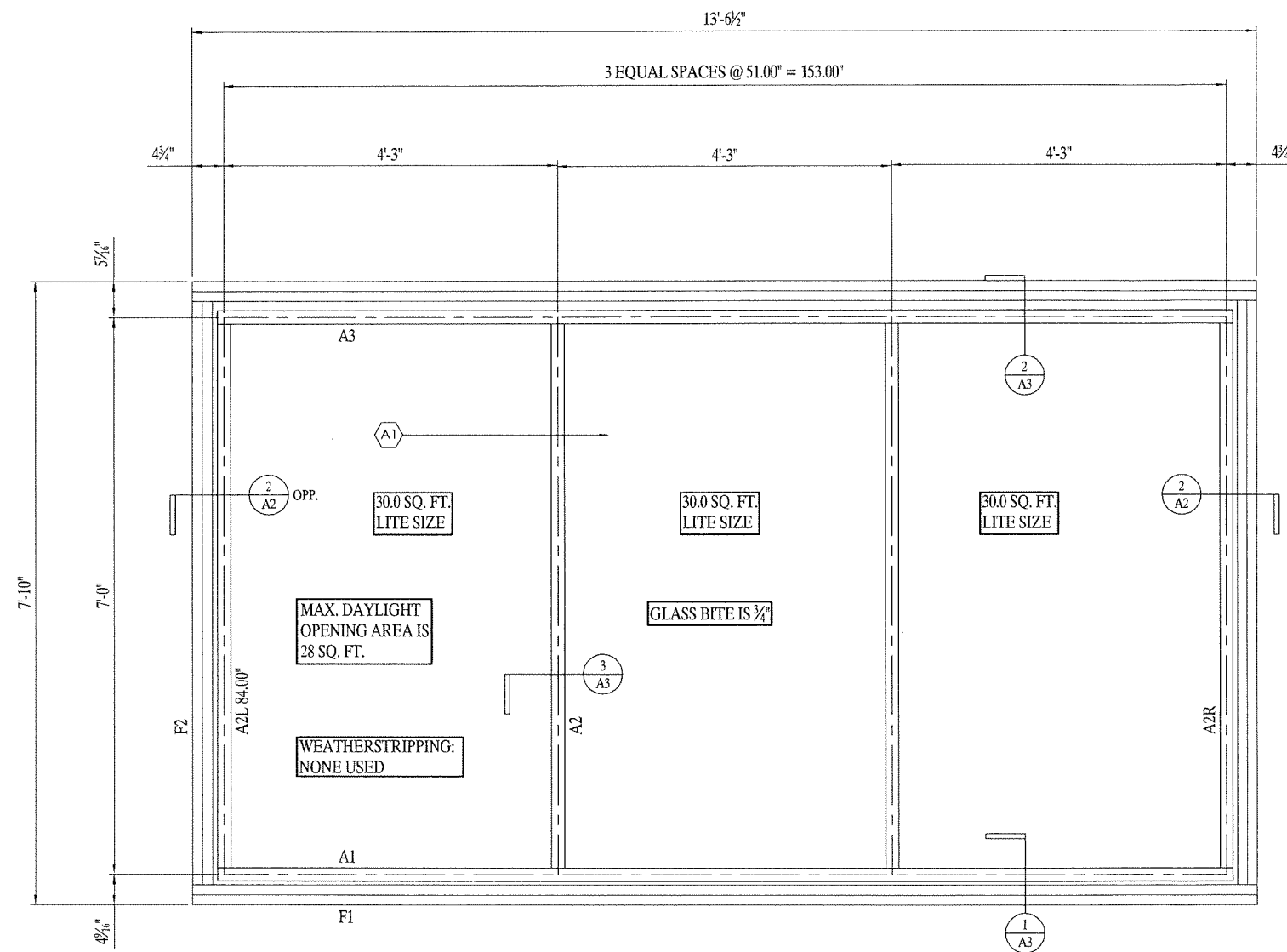
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DRAWN BY
JB 01/07/05

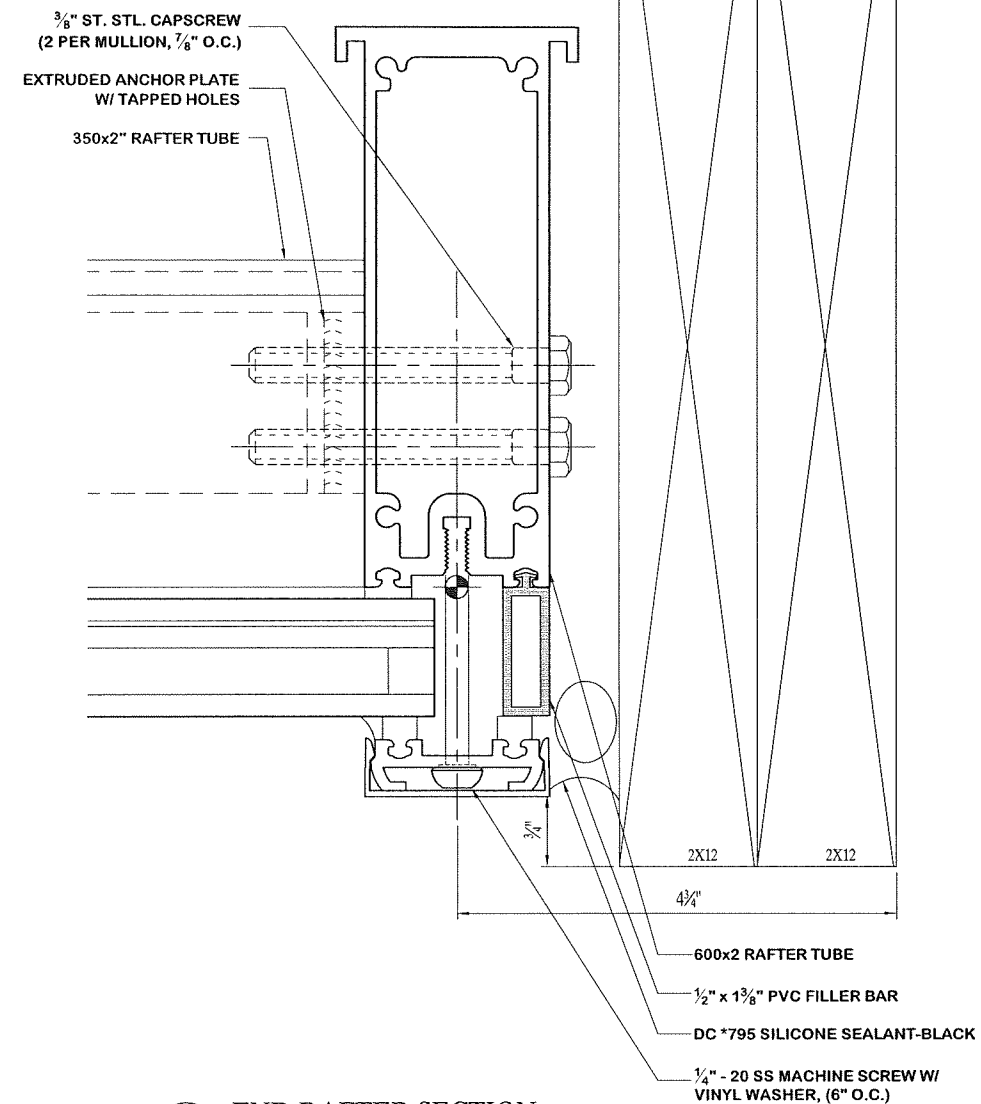
SCALE
1 (DP)

PROJECT NO.
2002-0246

A1
OF 4



1
A2 ELEVATION (1 REQ'D)
SCALE: 1" = 1'-0"



2
A2 END RAFTER SECTION
SCALE: FULL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 21-0930.14
Expiration Date 11/18/2024
By *Healy A. Miller*
Miami Dade Product Control

DADE COUNTY USE	ENGINEER STAMP
COMPUTERIZED STRUCTURAL DESIGN, INC. 8989 N. PORT WASHINGTON ROAD MILWAUKEE, WI 53217 EB-0001982 MICHAEL P. RYER P.E. #50548	

CAD FILE NAME:
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SUPER SKY PRODUCTS
ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT
MOCK-UP -
DADE COUNTY
PRODUCT APPROVAL
DADE COUNTY, FL
ENGINEER
Michael P. Ryer, P.E.

TEST LABORATORY

RIVIERA BEACH, FL
TITLE
ELEVATION
END RAFTER SECTION

DRAWN BY
JB
DATE
01/07/05
SCALE
AS NOTED
APPROVAL
1 (DP)
PROJECT NO.
2002-0246

A2
OF 4



SUPER SKY PRODUCTS
ENTERPRISES, LLC

10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT
MOCK-UP -
DADE COUNTY
PRODUCT APPROVAL

DADE COUNTY, FL

ENGINEER
Michael P. Ryer, P.E.

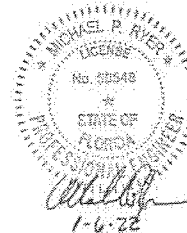
TEST LABORATORY

RIVIERA BEACH, FL

TITLE
KNEE, SILL,
AND RAFTER SECTIONS

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8909 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

CAD FILE NAME:

20020246A_1-7-05_-D1.dwg

A3
OF 4

SHOP NOTE

COUNTERBORE WOOD
SO BOLT HEADS DON'T
STICK OUT

DC *795 SILICONE
SEALANT-BLACK W/ BACKER ROD

1/4" x 1/2" EPDM GLAZING STRIP

1/4" - 20 ST. STL. MACHINE SCREW
W/ VINYL WASHER, (6" O.C.)

12"-55' HIP CAP AND RETAINER

1 5/16" LAMINATED GLASS

2 KNEE SECTION
A3 SCALE: FULL

WOOD FRAME
SUPPLIED BY
SUPER SKY

7"x9"x1/4" ALUM. PLATE
(7"x5 1/2"x1/4" @ END RAFTER)
WELDED TO RAFTER

1/2" ST. STL. CAPSCREW

350x2" 12"-55' HIP TUBE

3/8" ST. STL. CAPSCREW

EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND
EXTRUDED ANCHOR PLATE
W/ TAPPED HOLES (L4) OPP.

1/4" - 20 ST. STL. TRUSS HEAD SCREW

600R2 RAFTER TUBE

DC *795 SILICONE SEALANT-BLACK

1/4" - 20 ST. STL. TRUSS HEAD SCREW

1 1/4" ACCESS HOLE
W/ ALUMINUM COVER (SET IN SEALANT)

1 1/4" ACCESS HOLE

350x2" RAFTER TUBE

7"x9"x1/4" ALUM. PLATE
(7"x5 1/2"x1/4" @ END RAFTER)
WELDED TO RAFTER

1/2" ST. STL. CAPSCREW

WOOD FRAME
SUPPLIED BY
SUPER SKY

ERECTION NOTE:

SEAL BOLT PENETRATIONS THROUGH
FLASHING TO PREVENT ANY WATER FROM
DRIPPING OUT OF SILL FLASHING.

1 CURB/SILL SECTION
A3 SCALE: FULL

DC *795 SILICONE SEALANT-BLACK

2" SNAP-ON CAP

2" SNAP-ON CAP RETAINER

1/4" - 20 ST. STL. MACHINE SCREW W/
VINYL WASHER, (6" O.C.)

3 RAFTER SECTION
A3 SCALE: FULL

1/4" - 20 ST. STL. TRUSS HEAD SCREW

EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND
EXTRUDED ANCHOR PLATE
W/ TAPPED HOLES (L4) OPP.

1 5/16" LAMINATED GLASS

1/8" x 1/2" EPDM GLAZING STRIP

DC *795 SILICONE
SEALANT-BLACK

2" SNAP-ON CAP AND RETAINER

(2) 1/8" THICK EXTRUDED SETTING
BLOCK

3/16" ALUM. GLASS STOP
4" LOING @ 1/4" PTS. (2 PER LITE)

1/4" - 20 ST. STL. MACHINE SCREW
W/ VINYL WASHER, (6" O.C.)

1/2" x 1 3/8" PVC FILLER
BAR

DC *795 SILICONE
SEALANT-BLACK W/
BACKER ROD

.050" ALUM. FLASHING
W/ WELDED ENDS
(SET IN SEALANT)

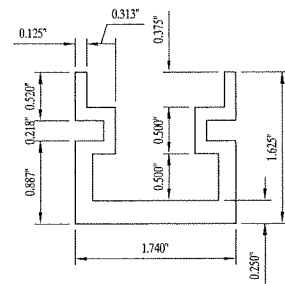
SHOP NOTE

COUNTERBORE WOOD
SO BOLT HEADS DON'T
STICK OUT

PRODUCT REVISED
as complying with the Florida
Building Code

Acceptance No 21-0930.14
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By
Miami Dade Product Control



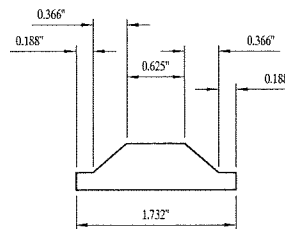
SUMMARY OF PROPERTIES

CENTRE OF MASS [0.87,0.57416,0]
SURFACE AREA 1.0184 INCH **2
MOMENT ABOUT X AXIS 0.229661 INCH **4
MOMENT ABOUT Y AXIS 0.406868 INCH **4
POLAR MOMENT 0.636529 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 0°-0°
RADII OF GYRATION:
POLAR 0.790586 INCH
X AXIS 0.47488 INCH
Y AXIS 0.632072 INCH

WEIGHT PER LINEAR FOOT 1.191528 LBS
ALUMINUM ALLOT 6005-T5

CHANNEL CLIP

SCALE: FULL



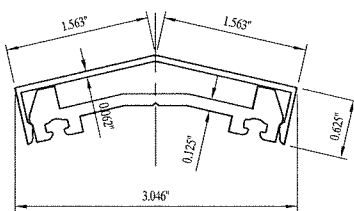
SUMMARY OF PROPERTIES

CENTRE OF MASS [0.866,0.206789,0]
SURFACE AREA 0.635642 INCH **2
MOMENT ABOUT X AXIS 0.0118681 INCH **4
MOMENT ABOUT Y AXIS 0.110198 INCH **4
POLAR MOMENT 0.122066 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 0°-0°
RADII OF GYRATION:
POLAR 0.439218 INCH
X AXIS 0.136642 INCH
Y AXIS 0.41637 INCH

WEIGHT PER LINEAR FOOT 0.743701 LBS
ALUMINUM ALLOT 6005-T5

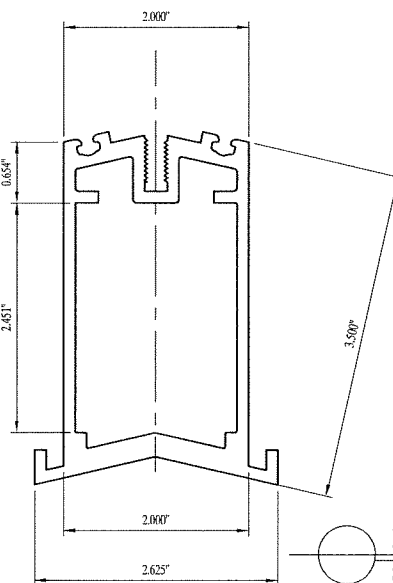
ANCHOR PLATE

SCALE: FULL



HIP CAP & RETAINER

SCALE: FULL



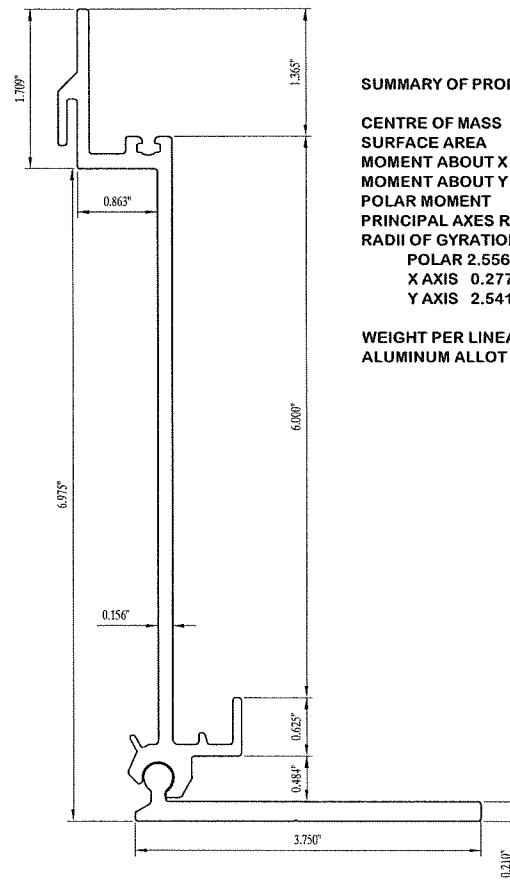
SUMMARY OF PROPERTIES

CENTRE OF MASS [1.31244,1.80283,0]
AREA 2.07785 INCH **2
MOMENT ABOUT X AXIS 1.26674 INCH **4
MOMENT ABOUT Y AXIS 3.84853 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 90°-0°
RADII OF GYRATION:
X AXIS 3.85395 INCH
Y AXIS 2.73855 INCH

WEIGHT PER LINEAR FOOT 2.43108 LBS
ALUMINUM ALLOT 6005-T5

350 HIP TUBE

SCALE: FULL



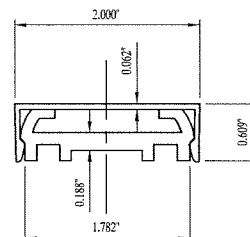
SUMMARY OF PROPERTIES

CENTRE OF MASS [-1.35908,0.607398,0]
SURFACE AREA 1.67688 INCH **2
MOMENT ABOUT X AXIS 0.128744 INCH **4
MOMENT ABOUT Y AXIS 10.8294 INCH **4
POLAR MOMENT 10.9581 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 85°-23°
RADII OF GYRATION:
POLAR 2.55633 INCH
X AXIS 0.277084 INCH
Y AXIS 2.54127 INCH

WEIGHT PER LINEAR FOOT 1.961950 LBS
ALUMINUM ALLOT 6005-T5

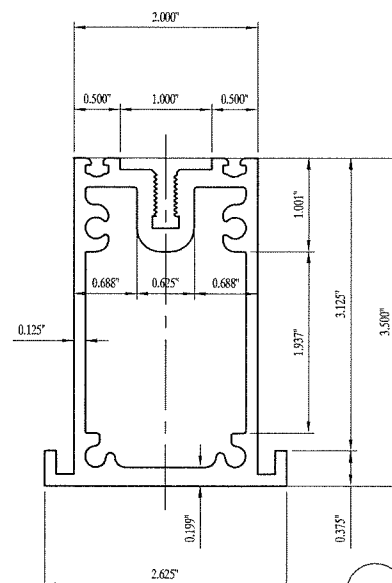
600 VARIABLE CURB

SCALE: FULL



RAFTER CAP & RETAINER

SCALE: FULL



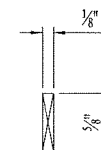
SUMMARY OF PROPERTIES

CENTRE OF MASS [1.31246,1.7169,0]
SURFACE AREA 2.12343 INCH **2
MOMENT ABOUT X AXIS 1.2925 INCH **4
MOMENT ABOUT Y AXIS 3.52933 INCH **4
POLAR MOMENT 4.82184 INCH **4
PRINCIPAL AXES ROTATION ANGLE = -90°-0°
RADII OF GYRATION:
POLAR 1.50691 INCH
X AXIS 0.780183 INCH
Y AXIS 1.28922 INCH

WEIGHT PER LINEAR FOOT 2.484413 LBS
ALUMINUM ALLOT 6005-T5

350 RAFTER TUBE

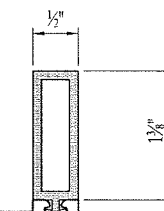
SCALE: FULL



1/8" X 5/8" X 4" LONG SILICONE SETTING BLOCK

SCALE: FULL

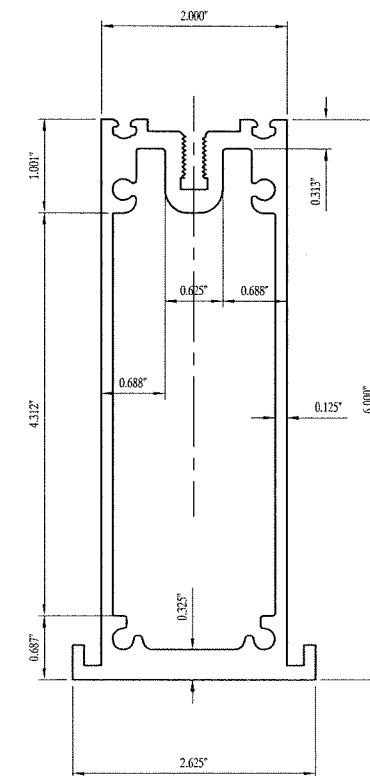
HARDNESS.....(SHORE A) 50 + 5 DUROMETER
COLOR.....BLACK



1/2" X 1 3/8" RIGID PVC FILLER BAR

SCALE: FULL

RIGID PVC *820 W/ .095" MIN WALL



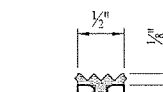
SUMMARY OF PROPERTIES

CENTRE OF MASS [1.31252,3.04838,0]
SURFACE AREA 3.25237 INCH **2
MOMENT ABOUT X AXIS 1.98402 INCH **4
MOMENT ABOUT Y AXIS 16.8859 INCH **4
POLAR MOMENT 18.8699 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 90°-0°
RADII OF GYRATION:
POLAR 2.40871 INCH
X AXIS 0.781039 INCH
Y AXIS 2.27857 INCH

WEIGHT PER LINEAR FOOT 3.805273 LBS
ALUMINUM ALLOT 6005-T5

600 RAFTER TUBE

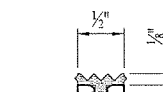
SCALE: FULL



1/8" X 1/2" EPDM GLAZING STRIP

SCALE: FULL

HARDNESS.....(SHORE A) 50 + 5 DUROMETER
TENSILE STRENGTH.....800 PSI (MIN)
ELONGATION.....300% (MIN)
TEAR; DIE 8, PSI.....65 (MIN)
COLOR.....BLACK



1/4" X 3/8" EPDM GLAZING STRIP

SCALE: FULL

HARDNESS.....(SHORE A) 50 + 5 DUROMETER
TENSILE STRENGTH.....800 PSI (MIN)
ELONGATION.....300% (MIN)
TEAR; DIE 8, PSI.....65 (MIN)
COLOR.....BLACK

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 21-0930-14
Expiration Date 11/18/2024
By *Heidi A. Mc*
Miami Code Product Control



SUPER SKY PRODUCTS
ENTERPRISES, LLC

10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-3000

REVISION

PROJECT
MOCK-UP -
DADE COUNTY
PRODUCT APPROVAL

DADE COUNTY, FL

ENGINEER
Michael P. Ryer, P.E.

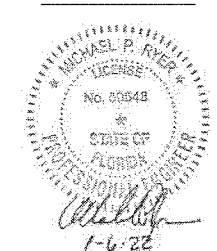
TEST LABORATORY

RIVIERA BEACH, FL

TITLE
EXTRUSIONS

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8889 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

CAD FILE NAME:

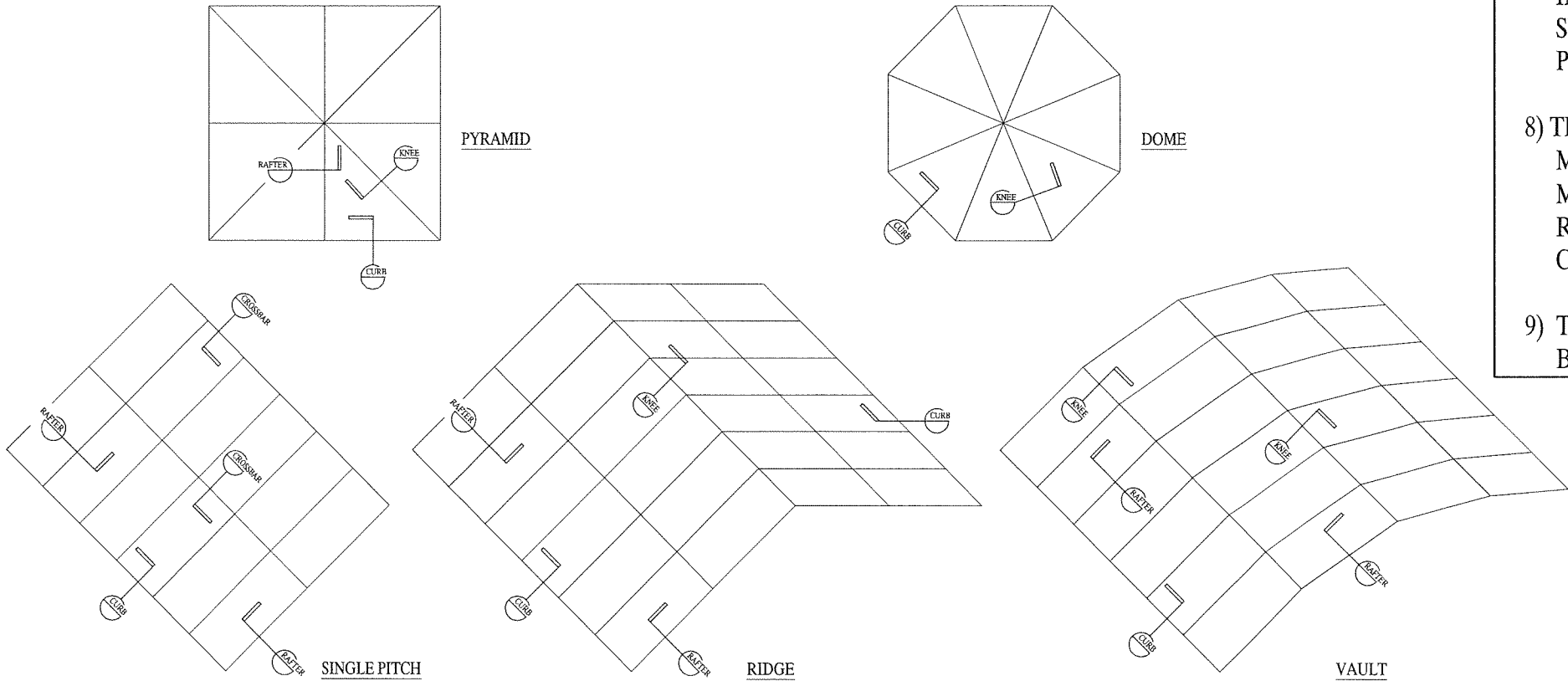
20020246A_1-7-05_-D1.dwg

A4
OF 4

SUPER SKY'S STANDARD TUBULAR SKYLIGHT SYSTEM

- 1) SYSTEM DESCRIPTION: SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM CONSISTS OF AN EXTRUDED ALUMINUM STRUCTURAL FRAME (6005-T5), CUSTOM ENGINEERED TO SUIT A PARTICULAR PROJECT. THE EXTRUDED FRAME IS CONNECTED TOGETHER USING ALUMINUM CHANNEL CLIPS, ANCHOR PLATES, AND GUSSET PLATES, AS SHOWN ON DRAWINGS B1-B5. THE GLASS IS ATTACHED TO THE FRAME USING ALUMINUM RETAINERS (6005-T5), AND 1/4"-20 STAINLESS STEEL TORX HEAD SCREWS 6" O.C. THE SCREWS ENGAGE THE SERRATIONS IN THE ALUMINUM EXTRUSIONS BELOW. EPDM GASKETS ARE USED ON THE INTERIOR (1/8" X 1/2") AND EXTERIOR (1/4" X 3/8") TO CUSHION THE GLASS, AND A FULL SILICONE WEATHER SEAL AND SNAP-ON CAPS ARE APPLIED TO PREVENT AIR AND WATER INFILTRATION.
- 2) SKYLIGHT TYPES: SINCE ALMOST ALL SKYLIGHTS BUILT USING SUPER SKY'S STANDARD TUBULAR GLAZING SYSTEM ARE CUSTOM DESIGNED FOR A PARTICULAR BUILDING, VIRTUALLY NONE OF THEM ARE EXACTLY THE SAME. IN RECOGNITION OF THIS FACT, THE TEST SPECIMENS AS SHOWN ON SHEETS B1-B5 WERE DEVELOPED SO AS TO TEST THE FOUR STANDARD DETAILS USED ON MOST SKYLIGHT PROJECTS (CURB, RAFTER, CROSSBAR, AND KNEE). THE DESIGN PRESSURE, GLASS TYPE, AND GLASS SIZES WERE ALSO SELECTED TO SUIT THE MOST POSSIBLE SKYLIGHT PROJECTS.

EXAMPLES OF THESE SKYLIGHTS ARE SHOWN BELOW.



SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM

PRODUCT APPROVAL TESTING
PER TAS-201, TAS-202, TAS-203

STANDARD DETAILS TESTED:

- 1. CURB (SEE DETAIL 1/B3)
- 2. RAFTER (SEE DETAIL 3/B3)
- 3. CROSSBAR (SEE DETAIL 2/B3)
- 4. KNEE [HIP] (SEE DETAIL 1/B4)

PLEASE SEE DRAWINGS B1-B5 FOR
COMPLETE SPECIFICATIONS OF
THE MOCK-UPS TESTED.

GENERAL NOTES:

- 1) THIS SYSTEM IS APPROVED FOR: DESIGN PRESSURES UP TO +/- 80 PSF.
- 2) GLASS TYPE TESTED: 1 5/16" IGU WITH 1/4" HEAT STRENGTHENED OUTER LITE, 1/2" AIR SPACE, 9/16" CLEAR SENTRY GLASS PLUS LAMINATED INNER LITE BY VIRACON, INC. CONSISTING OF:
1/4" CLEAR HEAT STRENGTHENED GLASS,
.090" SENTRY GLASS PLUS INTERLAYER MIAMI DADE COUNTY PRODUCT CONTROL, APPROVAL NO. 98-0608.03
1/4" CLEAR HEAT STRENGTHENED GLASS.
- 3) LARGE MISSILE IMPACT TESTED. THIS GLASS PRODUCT IS APPROVED FOR USE FROM GRADE UP TO 30', OR HIGHER IF DESIRED.
- 4) APPROVED UP TO A MAXIMUM LITE SIZE OF 30 SQ. FT.
- 5) THE ALUMINUM EXTRUSIONS TESTED WERE SIZED PER STRUCTURAL CALCULATIONS TO SUIT THE SPANS AND DESIGN PRESSURE TESTED.
- 6) ALUMINUM CONTACTING MATERIALS NOT CONSIDERED COMPATIBLE SHALL BE PROTECTED PER THE FLORIDA BUILDING CODE 2020 EDITION. Δ Δ
- 7) THIS APPROVAL IS LIMITED TO THE MAXIMUM AREA OF THE 1 5/16" INSULATED GLASS, THE FULLY ASSEMBLED GLAZING DETAILS SYSTEM TO THE SUPPORTING RAFTERS AND THE MAXIMUM DESIGN PRESSURE SHOWN ON THESE DRAWINGS.
- 8) THE STRUCTURAL ADEQUACY OF THE SUPPORTING STRUCTURAL MEMBERS, (CURBS, RAFTERS, PURLINS, AND ALL OTHER FRAMING MEMBERS) IS NOT PART OF THIS APPROVAL AND IT SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.
- 9) THIS SKYLIGHT SYSTEM IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2020 EDITION. Δ Δ

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0930-14
Expiration Date 11/18/2024
By *Heidi A. Noh*
Miami Dade Product Control

DADE COUNTY USE

COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-001982
MICHAEL P. RYER
P.E. #50548

ENGINEER STAMP

STATE OF FLORIDA
MICHAEL P. RYER
P.E. #50548
1-6-22

GLASS DRAWING(S):
27232

CAD FILE NAME:
20020246B-D1.dwg



SUPER SKY PRODUCTS
ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-342-2000

REVISION		
1	NEW GLASS TYPE 08/03/04	TK
2	PER SSPE 9/19/17	BAY
3	4/24/18	BAY
4	PER SSPE 1/5/22	RN

CURRENT NOA
#02-1009.05
LARGE MISSILE

PROJECT
MOCK-UP-
DADE COUNTY
PRODUCT APPROVAL

DADE COUNTY, FL
ENGINEER
MICHAEL P. RYER, P.E.

TEST LABORATORY
HURRICANE TEST LAB

RIVIERA BEACH, FL

DRAWN BY	DATE
BAY	4/25/17
SCALE	APPROVAL
NONE	(RDP)
PROJECT NO.	
2002-0246	

B1
OF 6



SUPER SKY PRODUCTS
ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT
MOCK-UP-
DADE COUNTY
PRODUCT APPROVAL
DADE COUNTY, FL
ENGINEER
MICHAEL P. RYER, P.E.

TEST LABORATORY
HURRICANE TEST LAB

RIVIERA BEACH, FL
TITLE
ELEVATION AND
THRU SECTION

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

DRAWN BY
BAY

DATE
4/25/17

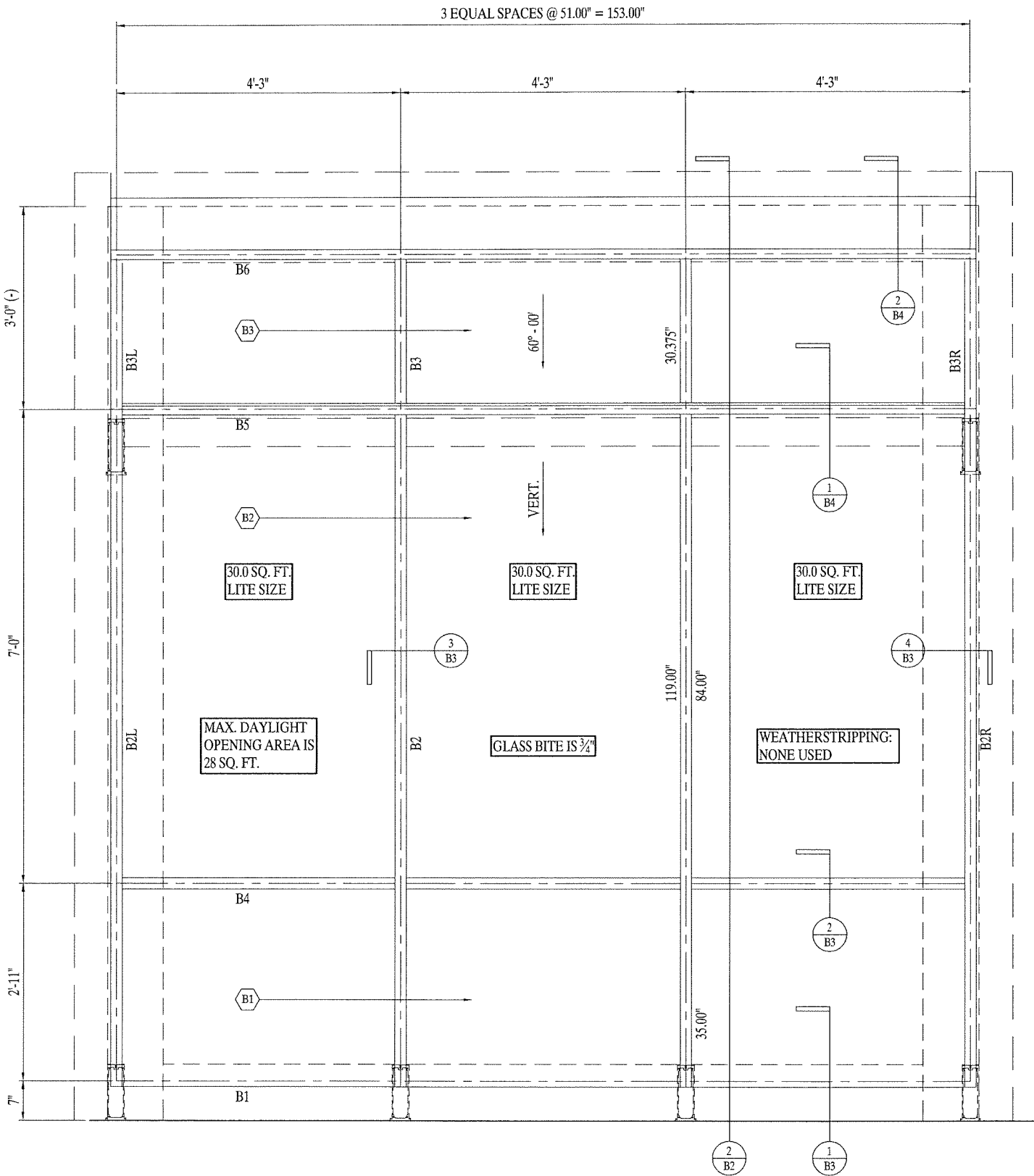
SCALE
AS NOTED

APPROVAL
(RDP)

PROJECT NO.
2002-0246

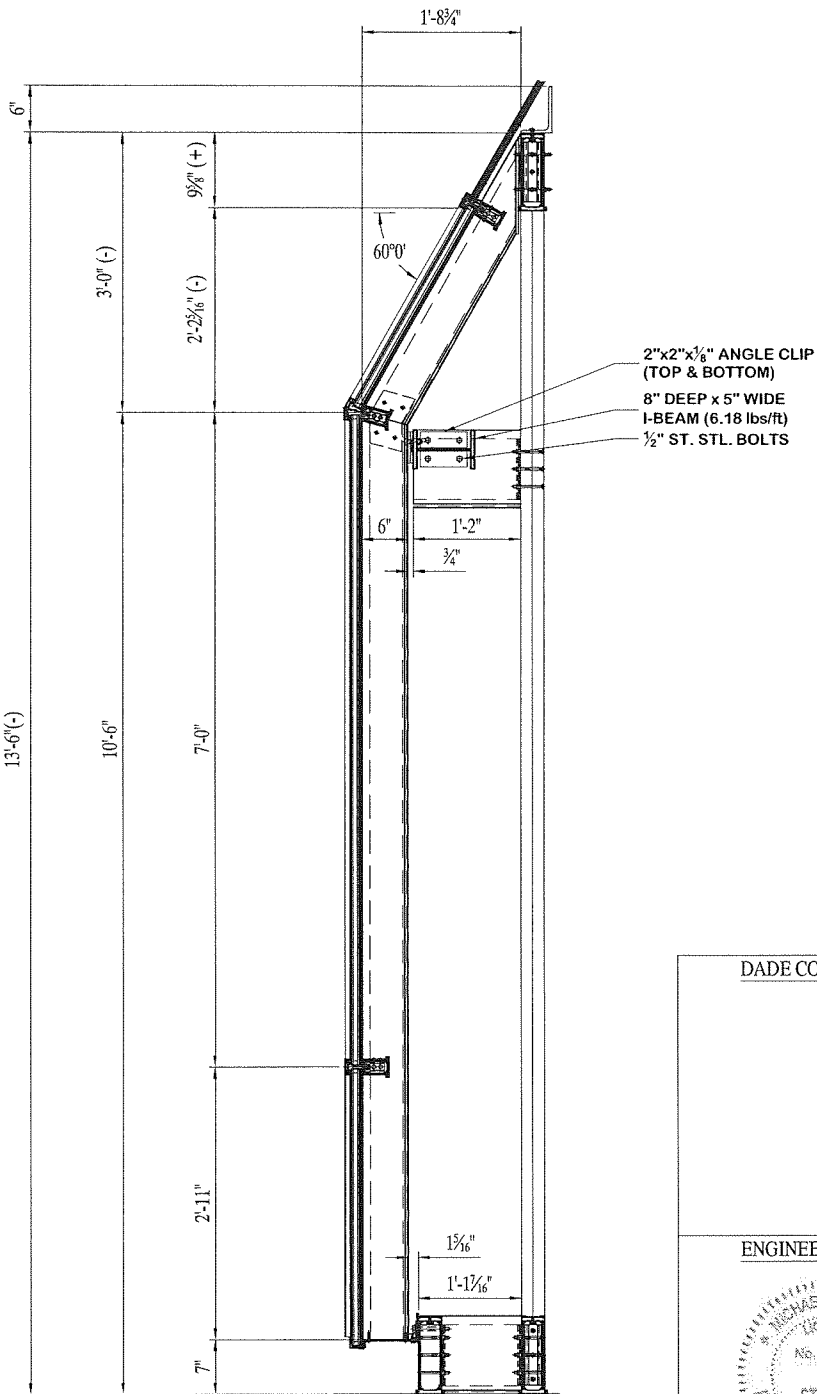
B2

OF 6



ELEVATION (1 REQ'D)

SCALE: 1" = 1'-0"



THRU SECTION

SCALE: 1" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0930.1/11/18/2024
Expiration Date
By *Heidi A. Walker*
Miami Dade Product Control

CAD FILE NAME:

20020246B-D1.dwg

DC #795 SILICONE SEALANT - BLACK
1/4"x3/8" EPDM GLAZING STRIP
2" S.O. CAP
2" S.O. CAP RETAINER
1/4" - 20 ST. STL. MACHINE SCREW
W/VINYL WASHER, (6" O.C.)
1/8" THICK EXTRUDED SETTING BLOCK
3/16" ALUMINUM GLASS STOP - 4"
1/8"x1/2" EPDM GLAZING STRIP
1 1/16" INSULATED GLASS

1/4" - 20 ST. STL. TRUSS HEAD SCREW
3/8" DIA. ST. STL. CAPSCREW (H10)
EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND EXTRUDED
ANCHOR PLATE (L4) OPP.
350x2" RAFTER TUBE
600x2" RAFTER TUBE

3/8" ST. STL. CAPSCREW
(2) PER MULLION, (1/8" O.C.)
EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND EXTRUDED
ANCHOR PLATE (L4) OPP.

350x2" RAFTER TUBE

PLYWOOD SIDE
CLOUSERES AND
ATTACHMENTS
BY TEST LAB

600x2" RAFTER TUBE
1/2"x1 1/8" PVC FILLER BAR
1/4" - 20 ST. STL. MACHINE
SCREW W/ VINYL WASHER (6"
O.C.)
BACKER ROD & SEALANT

CROSSBAR SECTION

SCALE: FULL

600 VARIABLE CURB
#14 ST. STL. SHEET METAL SCREW
1 1/16" INSULATED GLASS
1/8"x1/2" EPDM GLAZING STRIP
DC #795 SILICONE SEALANT - BLACK
(2) 1/8" THICK EXTRUDED SETTING
BLOCK
1/8"x1 1/2" ANGLE

1000 RAFTER TUBE
3" WIDE SUPPORT
(NOT PART OF PRODUCT
APPROVAL)

2"x8"x3/16" ALUM. PLATE
6061-T6

VARIABLE CURB BASE
1/2" ST. STL. CAPSCREW
(2) PER PLATE, (6" O.C.)
WEEP HOLE @ EACH RAFTER
SEALANT

1/8" THICK EXTRUDED SETTING BLOCK
1/4" WEEP HOLE @ EACH MULLION

CURB/SILL SECTION

SCALE: FULL

EXTRUDED ANCHOR PLATE

EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND EXTRUDED
ANCHOR PLATE (L4) OPP.
3/8" DIA. ST. STL. CAPSCREW (H10)
1/4" - 20 ST. STL. TRUSS HEAD SCREW

1/4" - 20 ST. STL. MACHINE
SCREW W/VINYL WASHER, (6"
O.C.)
1/8"x1/2" EPDM GLAZING STRIP
1/4"x3/8" EPDM GLAZING STRIP
DC #795 SILICONE SEALANT - BLACK

600x2" RAFTER TUBE
2" S.O. CAP RETAINER
2" S.O. CAP
1 1/16" INSULATED GLASS

VERTICAL END RAFTER

SCALE: FULL

VERTICAL RAFTER

SCALE: FULL



SUPER SKY PRODUCTS
ENTERPRISES, LLC

10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT

MOCK-UP-
DADE COUNTY
PRODUCT APPROVAL

DADE COUNTY, FL

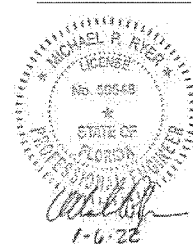
ENGINEER

MICHAEL P. RYER, P.E.

DADE COUNTY USE

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. 21-0930-14
Expiration Date 11/18/2024
By *Heidi A. Miller*
Miami Code Product Control

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

CAD FILE NAME:

20020246B-D1.dwg

TEST LABORATORY
HURRICANE TEST LAB

RIVIERA BEACH, FL

TITLE

SECTION
DETAILS

DRAWN BY: BAY DATE: 4/25/17

SCALE: AS NOTED APPROVAL: (RDP)

PROJECT NO: 2002-0246

B3

OF 6



SUPER SKY PRODUCTS
ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT

MOCK-UP-
DADE COUNTY
PRODUCT APPROVAL

DADE COUNTY, FL

ENGINEER

MICHAEL P. RYER, P.E.

TEST LABORATORY

HURRICANE TEST LAB

RIVIERA BEACH, FL

TITLE

SECTION
DETAILS

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

CAD FILE NAME:

20020246B-D1.dwg

B4

OF 6

CONNECTION DETAIL

SCALE: FULL

6"x4"x3/8" ALUMINUM
ANGLE
(NOT PART OF PRODUCT
APPROVAL)
3/8" ST. STL.
SAPSCREW, 12" O.C.

3/8" DIA. ST. STL.
CAPSCREW

EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND EXTRUDED
ANCHOR PLATE (L4) OPP.

1/4"x7" ALUMINUM GUSSET
1/4" - 20 ST. STL. TRUSS HEAD SCREW

3/8" ST. STL. CAPSCREW
TAPPED INTO BOTTOM
OF 1000 RAFTER

EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2)

1/4"x12"x8" REC BAR

5/16"x8"x8.5" REC BAR

3/8" ST. STL. CAPSCREW
(2) @ 6" O.C.

1000 RAFTER TUBE 3"
WIDE SUPPORT
(NOT PART OF
PRODUCT APPROVAL)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0930-14
Expiration Date 11/18/2024
By *Heg A. Miller*
Miami Dade Product Control

HEAD SECTION

SCALE: FULL

3/8"x4"x8" REC BAR

1/2" ST. STL. SAPSCREW
(2) @ 6" O.C.

8"x5" ALUMINUM
I-BEAM SUPPORT
(NOT PART OF
PRODUCT APPROVAL)

10.00"
RAFTER EXTENSION

KNEE SECTION

SCALE: FULL

600x2" RAFTER TUBE
1/2"x3/16" PVC FILLER BAR
2" S.O. CAP
2" S.O. CAP RETAINER
1/4" - 20 ST. STL. MACHINE SCREW
W/VINAL WASHER (6" O.C.)
1/8" THICK EXTRUDED SETTING
BLOCK
3/16" ALUMINUM GLASS STOP 4" LONG
1/8"x3/8" EPDM GLAZING STRIP
1/4"x3/8" EPDM GLAZING STRIP
DC #795 SILICON SEALANT - BLACK
1 1/16" INSULATED GLASS

350x2" RAFTER TUBE
3/8" DIA. ST. STL. CAPSCREW
1/4" - 20 ST. STL. TRUSS HEAD SCREW
EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND EXTRUDED
ANCHOR PLATE (L4) OPP.

GLASS EDGE SEAING DETAIL BELOW CROSSBAR CAP RETAINER

SCALE: N.T.S.

CROSSBAR/RAFTER CAP RETAINER DETAIL

SCALE: N.T.S.

1/4" - 20 ST. STL. TRUSS HEAD SCREW
1 1/16" INSULATED GLASS
1/8"x3/8" EPDM GLAZING STRIP
1/4"x3/8" EPDM GLAZING STRIP
1/8" THICK EXTRUDED SETTING
BLOCK
3/16" ALUMINUM GLASS STOP
4" LONG
1/4" - 20 ST. STL. MACHINE SCREW
W/VINAL WASHER (6" O.C.)
12"-55' HIP CAP
12"-55' HIP CAP RETAINER

DC #795 SILICON SEALANT - BLACK
350x2" 12"-55' HIP RAFTER TUBE
3/8" DIA. ST. STL. CAPSCREW
EXTRUDED CHANNEL CLIP
W/SERRATIONS (L2) AND EXTRUDED
ANCHOR PLATE (L4) OPP.
1/4"x7" ALUMINUM GUSSET
1/4" - 20 ST. STL. TRUSS HEAD
SCREW
600x2" RAFTER TUBE
1 1/16" INSULATED GLASS

STANDARD CONST. JOINT
W/OPEN CELL BACKER ROD

SEAL END OF RETAINER



SUPER SKY PRODUCTS
ENTERPRISES, LLC

10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT

MOCK-UP-
DADE COUNTY
PRODUCT APPROVAL

DADE COUNTY, FL

ENGINEER

MICHAEL P. RYER, P.E.

TEST LABORATORY
HURRICANE TEST LAB

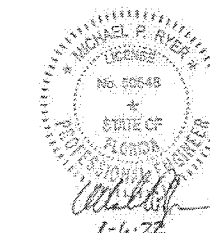
RIVIERA BEACH, FL

TITLE

EXTRUSIONS

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

CAD FILE NAME:

20020246B-D1.dwg

B5

OF 6

SUMMARY OF PROPERTIES

CENTRE OF MASS [1.31252,3.04838,0]
SURFACE AREA 3.25237 INCH **2
MOMENT ABOUT X AXIS 1.98402 INCH **4
MOMENT ABOUT Y AXIS 16.8859 INCH **4
POLAR MOMENT 18.8699 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 90°-0°
RADII OF GYRATION:
POLAR 2.40871 INCH
X AXIS 0.781039 INCH
Y AXIS 2.27857 INCH

WEIGHT PER LINEAR FOOT 3.805273 LBS
ALUMINUM ALLOT 6005-T5

600 RAFTER TUBE

SCALE: FULL

SUMMARY OF PROPERTIES

CENTRE OF MASS [-1.35908,0.607398,0]
SURFACE AREA 1.67688 INCH **2
MOMENT ABOUT X AXIS 0.128744 INCH **4
MOMENT ABOUT Y AXIS 10.8294 INCH **4
POLAR MOMENT 10.9581 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 85°-23°
RADII OF GYRATION:
POLAR 2.55633 INCH
X AXIS 0.277084 INCH
Y AXIS 2.54127 INCH

WEIGHT PER LINEAR FOOT 1.961950 LBS
ALUMINUM ALLOT 6005-T5

1/8" x 5/8" x 4" LONG SILICONE SETTING BLOCK

SCALE: FULL

HARDNESS.....(SHORE A) 50 + 5 DUROMETER
COLOR.....BLACK

600 VARIABLE CURB

SCALE: FULL

1/2" x 1 3/8" RIGID PVC FILLER BAR

SCALE: FULL

RIGID PVC *820 W/ .095" MIN WALL

1/8" x 1/2" EPDM GLAZING STRIP

SCALE: FULL

HARDNESS.....(SHORE A) 50 + 5 DUROMETER
TENSILE STRENGTH.....800 PSI (MIN)
ELONGATION.....300% (MIN)
TEAR; DIE 8, PSI.....65 (MIN)
COLOR.....BLACK

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 21-0930-14
Expiration Date 11/18/2024
By *Michael P. Ryer*
Miami Dade Product Control

1/4" x 3/8" EPDM GLAZING STRIP

SCALE: FULL

HARDNESS.....(SHORE A) 50 + 5 DUROMETER
TENSILE STRENGTH.....800 PSI (MIN)
ELONGATION.....300% (MIN)
TEAR; DIE 8, PSI.....65 (MIN)
COLOR.....BLACK

SUMMARY OF PROPERTIES

CENTRE OF MASS [.87,0.57416,0]
SURFACE AREA 1.0184 INCH **2
MOMENT ABOUT X AXIS 0.229661 INCH **4
MOMENT ABOUT Y AXIS 0.406868 INCH **4
POLAR MOMENT 0.636529 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 0°-0°
RADII OF GYRATION:
POLAR 0.790586 INCH
X AXIS 0.47488 INCH
Y AXIS 0.632072 INCH

WEIGHT PER LINEAR FOOT 1.191528 LBS
ALUMINUM ALLOT 6005-T5

CHANNEL CLIP

SCALE: FULL

SUMMARY OF PROPERTIES

CENTRE OF MASS [0.866,0.206789,0]
SURFACE AREA 0.635642 INCH **2
MOMENT ABOUT X AXIS 0.0118681 INCH **4
MOMENT ABOUT Y AXIS 0.110198 INCH **4
POLAR MOMENT 0.122066 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 0°-0°
RADII OF GYRATION:
POLAR 0.439218 INCH
X AXIS 0.136642 INCH
Y AXIS 0.41637 INCH

WEIGHT PER LINEAR FOOT 0.743701 LBS
ALUMINUM ALLOT 6005-T5

ANCHOR PLATE

SCALE: FULL

RAFTER CAP & RETAINER

SCALE: FULL

HIP CAP & RETAINER

SCALE: FULL

SUMMARY OF PROPERTIES

CENTRE OF MASS [1.31244,1.80283,0]
AREA 2.07785 INCH **2
MOMENT ABOUT X AXIS 1.26674 INCH **4
MOMENT ABOUT Y AXIS 3.84853 INCH **4
PRINCIPAL AXES ROTATION ANGLE = 90°-0°
RADII OF GYRATION:
X AXIS 3.85395 INCH
Y AXIS 2.73855 INCH

WEIGHT PER LINEAR FOOT 2.43108 LBS
ALUMINUM ALLOT 6005-T5

350 HIP TUBE

SCALE: FULL

SUMMARY OF PROPERTIES

CENTRE OF MASS [1.31246,1.7169,0]
SURFACE AREA 2.12343 INCH **2
MOMENT ABOUT X AXIS 1.2925 INCH **4
MOMENT ABOUT Y AXIS 3.52933 INCH **4
POLAR MOMENT 4.82184 INCH **4
PRINCIPAL AXES ROTATION ANGLE = -90°-0°
RADII OF GYRATION:
POLAR 1.50691 INCH
X AXIS 0.780183 INCH
Y AXIS 1.28922 INCH

WEIGHT PER LINEAR FOOT 2.484413 LBS
ALUMINUM ALLOT 6005-T5

350 RAFTER TUBE

SCALE: FULL



REVISION

PROJECT

MOCK-UP-
DADE COUNTY
PRODUCT APPROVAL

DADE COUNTY, FL

ENGINEER

MICHAEL P. RYER, P.E.

TEST LABORATORY
HURRICANE TEST LAB

RIVIERA BEACH, FL

TITLE

SUPPORT FRAME DETAIL

DADE COUNTY USE

ENGINEER STAMP

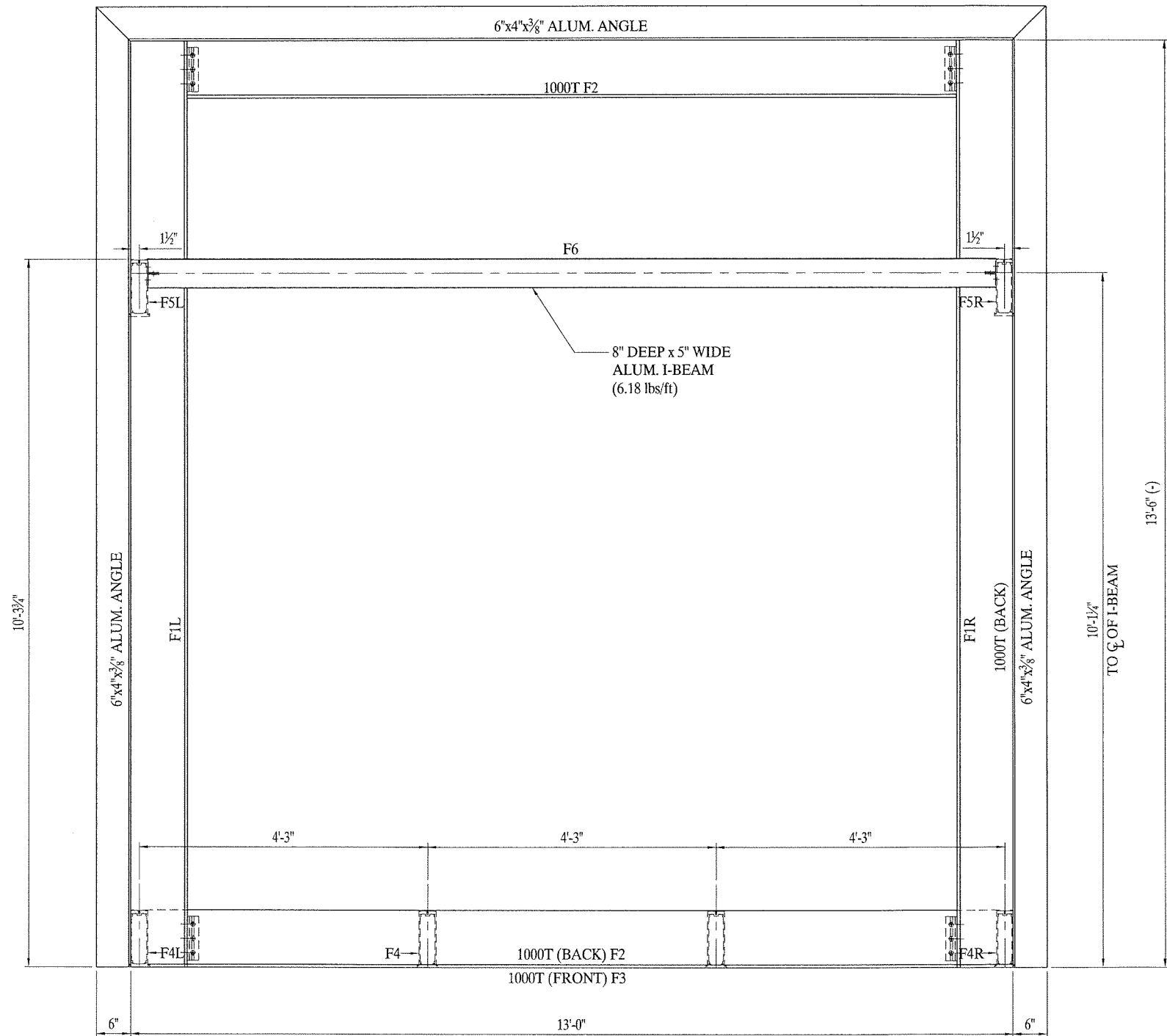


COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

CAD FILE NAME

20020246B-D1.dwg

B6
OF 6



Note: Framing on this page
not part of Product Approval.

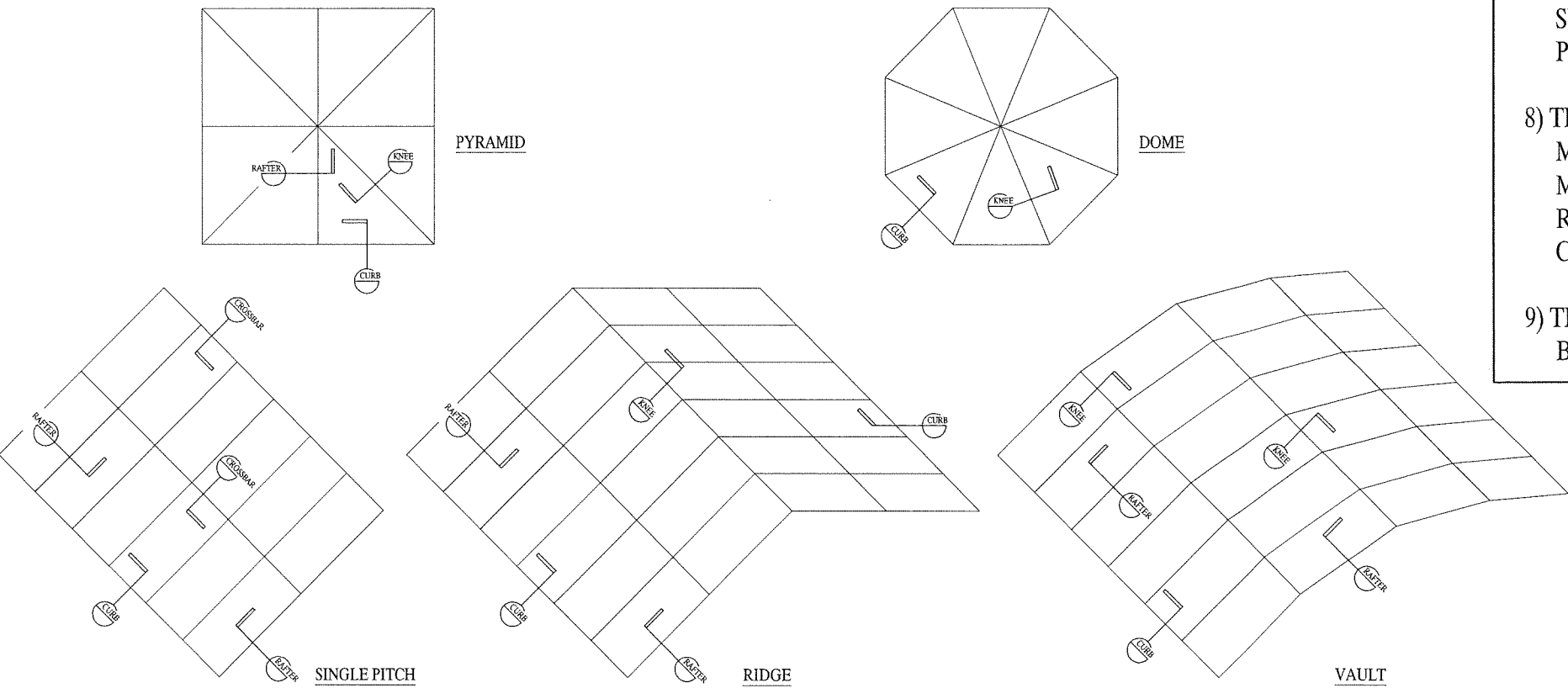
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 21-0930-14
Expiration Date 11/18/2024
By H. G. A. Miller
Miami Code Product Control

1 SUPPORT FRAME DETAIL
B6 SCALE: 1" = 1'-0"

SUPER SKY'S STANDARD TUBULAR SKYLIGHT SYSTEM

- 1) **SYSTEM DESCRIPTION:** SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM CONSISTS OF AN EXTRUDED ALUMINUM STRUCTURAL FRAME (6005-T5), CUSTOM ENGINEERED TO SUIT A PARTICULAR PROJECT. THE EXTRUDED FRAME IS CONNECTED TOGETHER USING ALUMINUM CHANNEL CLIPS, ANCHOR PLATES, AND GUSSET PLATES, AS SHOWN ON DRAWINGS MI1-MI5. THE GLASS IS ATTACHED TO THE FRAME USING ALUMINUM RETAINERS (6005-T5), AND 1/4"-20 STAINLESS STEEL TORX HEAD SCREWS 6" O.C. THE SCREWS ENGAGE THE SERRATIONS IN THE ALUMINUM EXTRUSIONS BELOW. EPDM GASKETS ARE USED ON THE INTERIOR (1/8" X 1/2") AND EXTERIOR (1/4" X 3/8") TO CUSHION THE GLASS, AND A FULL SILICONE WEATHER SEAL AND SNAP-ON CAPS ARE APPLIED TO PREVENT AIR AND WATER INFILTRATION.
- 2) **SKYLIGHT TYPES:** SINCE ALMOST ALL SKYLIGHTS BUILT USING SUPER SKY'S STANDARD TUBULAR GLAZING SYSTEM ARE CUSTOM DESIGNED FOR A PARTICULAR BUILDING, VIRTUALLY NONE OF THEM ARE EXACTLY THE SAME. IN RECOGNITION OF THIS FACT, THE TEST SPECIMENS AS SHOWN ON SHEETS MI1-MI5 WERE DEVELOPED SO AS TO TEST THE FOUR STANDARD DETAILS USED ON MOST SKYLIGHT PROJECTS (CURB, RAFTER, CROSSBAR, AND KNEE). THE DESIGN PRESSURE, GLASS TYPE, AND GLASS SIZES WERE ALSO SELECTED TO SUIT THE MOST POSSIBLE SKYLIGHT PROJECTS.

EXAMPLES OF THESE SKYLIGHTS ARE SHOWN BELOW.



SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM

PRODUCT APPROVAL TESTING PER TAS-201, TAS-202, TAS-203

STANDARD DETAILS TESTED:

- 1. CURB (SEE DETAIL 1/MI3)
- 2. RAFTER (SEE DETAIL 1/MI4)
- 3. CROSSBAR (SEE DETAIL 1/MI3)
- 4. KNEE [HIP] (SEE DETAIL 2/MI3)

PLEASE SEE DRAWINGS MI1-MI5 FOR COMPLETE SPECIFICATIONS OF THE MOCK-UPS TESTED.

GENERAL NOTES:

- 1) THIS SYSTEM IS APPROVED FOR: DESIGN PRESSURES UP TO +80/-90PSF.
- 2) GLASS TYPE TESTED: 1 3/8" INSULATING CONSISTING OF:
1/4" CLEAR HEAT STRENGTHENED OUTER LITE,
1/2" AIR SPACE,
5/8" LAMINATED INNER LITE, CONSISTING OF:
1/4" CLEAR HEAT STRENGTHENED GLASS
.090" CLEAR SENTRYGLAS INTERLAYER
.090" CLEAR SENTRYGLAS INTERLAYER
1/4" CLEAR HEAT STRENGTHENED GLASS.
- 3) LARGE MISSILE IMPACT TESTED. THIS GLASS PRODUCT IS APPROVED FOR USE FROM GRADE UP TO 30', OR HIGHER IF DESIRED.
- 4) APPROVED UP TO A MAXIMUM LITE SIZE OF 30 SQ. FT.
- 5) THE ALUMINUM EXTRUSIONS TESTED WERE SIZED PER STRUCTURAL CALCULATIONS TO SUIT THE SPANS AND DESIGN PRESSURE TESTED.
- 6) ALUMINUM CONTACTING MATERIALS NOT CONSIDERED COMPATIBLE SHALL BE PROTECTED PER THE FLORIDA BUILDING CODE 2020 Δ EDITION.
- 7) THIS APPROVAL IS LIMITED TO THE MAXIMUM AREA OF THE 1 5/16" INSULATED GLASS, THE FULLY ASSEMBLED GLAZING DETAILS SYSTEM TO THE SUPPORTING RAFTERS AND THE MAXIMUM DESIGN PRESSURE SHOWN ON THESE DRAWINGS.
- 8) THE STRUCTURAL ADEQUACY OF THE SUPPORTING STRUCTURAL MEMBERS, (CURBS, RAFTERS, PURLINS, AND ALL OTHER FRAMING MEMBERS) IS NOT PART OF THIS APPROVAL AND IT SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.
- 9) THIS SKYLIGHT SYSTEM IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2020 EDITION. Δ

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

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
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MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

CAD FILE NAME:
20150223MI-D1.dwg



SUPER SKY PRODUCTS
ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

1 PER SSPE 1/5/22 RN

PROJECT

MOCK-UP
HVHZ - CATEGORY 4
INSULATED GLASS

ARCHITECT

CONTRACTOR

TITLE

COMPONENTS &
MATERIALS
SPECIFICATIONS
SHEET

DRAWN BY NBO DATE 3/11/16

SCALE NONE APPROVAL (DP)

PROJECT NO. 20150223

MI

COMPONENTS & MATERIALS SPECIFICATIONS SHEET

(THIS IS A GENERAL LISTING, NOT ALL ITEMS ARE UTILIZED ON THIS PROJECT)

A FRAMEWORK:

ALL SKYLIGHT FRAMEWORK SHALL BE OF EXTRUDED ALUMINUM, (ALLOY AS NOTED)

CODE	DESCRIPTION	ALLOY
350RT2	350 RAFTER TUBE 2 WIDE	6005-T5
600RT2	600 RAFTER TUBE 2 WIDE	6005-T5
2C	2 CAP	6063-T5
2CR	2 CAP RETAINER	6005-T5
350HT12	350 HIP TUBE 12^-55	6005-T5
HC121	HIP CAP 12^-55 INS.	6063-T5
HCRI21	HIP CAP RETAINER 12^-55 INS.	6005-T5

B FLASHING:

- B1. 18 GA. ALUMINUM FLASHING (5005-H34)
B2. FLASHING TO BE RETAINED TO THE STRUCTURE BY THE USE OF
16 GA. ALUMINUM RETAINER CLIP - 3" WIDE - 20" O.C.
B3. 18 GA. ALUMINUM SELF-FLASHING CURB BASE SPLICE (12" LONG);
FIELD CUT & FOLD AS REQ'D FOR CORNERS
B4. 18 GA. ALUMINUM CAP RETAINER END CLOSURE
FOR POLYCARBONATE GLAZING SYSTEM
B5. 1/8" ALUMINUM SHEET (5052-H32)
B6. 3/16" ALUMINUM SHEET (5052-H32)
B7. 16 GA. ALUMINUM FLASHING (5005-H34)

C FINISH:

ALL ALUMINUM EXTRUSION EXPOSED TO VIEW SHALL
RECEIVE THE FOLLOWING FINISH:

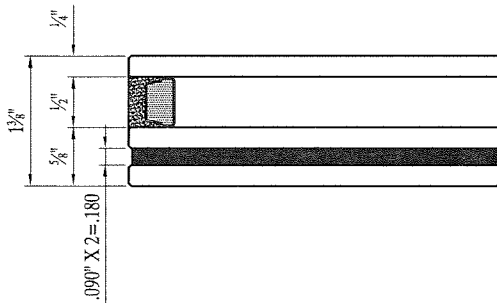
- C1. 215AE CLEAR ANODIZED

D GLASS:

GLASS SHALL BE SUPPLIED AS FOLLOWS:

- D1. 1-3/8" INSULATING / LAMINATED GLASS CONSISTING OF:

- 1/4" CLEAR HEAT STRENGTHENED
- 1/2" AIR SPACE
- 5/8" LAMINATED INBOARD CONSISTING OF:
 - 1/4" CLEAR HEAT STRENGTHENED
 - .090" CLEAR SENTRYGLAS INTERLAYER
 - .090" CLEAR SENTRYGLAS INTERLAYER
 - 1/4" CLEAR HEAT STRENGTHENED



E GLAZING STRIPS:

EXTRUDED GLAZING STRIPS SHALL BE TYPE 1, HEAT CURED SILICONE RUBBER,
OR EPDM, DESIGNED TO PREVENT ADHESION, AND COMPLY WITH THE FOLLOWING
SPECIFICATIONS:

HARDNESS..... (SHORE A) 50+ 5 DUROMETER
TENSILE STRENGTH..... 800 PSI (MIN.)
ELONGATION..... 300% (MIN.)
TEAR, DIE B, PSI..... 65 (MIN.)
COLOR..... BLACK

E1	1/8" X 1/2" GLAZING STRIP (EPDM)	DWG# 14476-M
E1.5	1/8" X 1/2" PUSH-IN GLAZING STRIP (EPDM).....	DWG# 27680-M
E2	1/8" X 1/2" GLUE-ON GLAZING STRIP	DWG# 11408-M
E3	3/16" X 1/2" GLAZING STRIP	DWG# 11073-M
E4	3/16" X 1/2" GLUE-ON GLAZING STRIP	DWG# 11150-M
E5	1/4" X 3/8" GLAZING STRIP (EPDM)	DWG# 19575-M
E6	1/4" X 3/8" GLUE-ON GLAZING STRIP	DWG# 12814-M
E7	3/8" X 1/2" GLAZING STRIP	DWG# 10553-M
E8	3/8" X 1/2" GLUE-ON GLAZING STRIP	DWG# 11149-M
E9	5/32" TAPERED (10°) GLAZING STRIP	DWG# 10552-M
E10	3/16" TAPERED (10°) GLAZING STRIP	DWG# 11151-M
E11	1/2" X 1/2" HOLLOW GLAZING STRIP	DWG# 11911-M
E12	CLEAR SILICONE GASKET FOR PT. SUPPORT GLASS	PART# 146-0210

F SETTING BLOCKS:

EXTRUDED SETTING BLOCKS SHALL BE TYPE II SILICONE RUBBER DESIGNED
TO PERMIT ADHESION, AND COMPLY WITH THE FOLLOWING SPECIFICATIONS:

HARDNESS: (SHORE A) 80+ 5 DUROMETER COLOR: BLACK

- F1. 1/8" THICK X 4" LONG (DEPTH DETERMINED BY GLASS THICKNESS)

- F2. 10" TAPERED

SETTING BLOCKS ARE LOCATED 2 PER LITE OF GLASS @ 1/4 POINTS
(UNLESS NOTED OTHERWISE)

G SPACER BLOCKS:

EXTRUDED EPDM SPACE BLOCKS SHALL COMPLY WITH THE
FOLLOWING SPECIFICATIONS.

2 PER LITE @ 1/4 POINTS
HARDNESS: (SHORE A) 80 ± 5 DUROMETER COLOR: BLACK

FOR INSULATING GLASS:

- G1. 5/8"X 1-3/8"X 1" FOR 2" WIDE EXTRUSIONS
G2. 1-1/8"X 1-3/8"X 1" FOR 2-1/2" & 3" WIDE EXTRUSIONS

FOR LAMINATED GLASS:

- G3. 5/8"X 3/4"X 1" FOR 2" WIDE EXTRUSIONS
G4. 1-1/8"X 3/4"X 1" FOR 2-1/2" & 3" WIDE EXTRUSIONS

FOR 1/4" THICK GLASS:

- G5. 5/8"X 1/2"X 5/8" FOR ALL EXTRUSIONS

H FASTENERS:

- H1. FASTENERS USED FOR THE ATTACHMENT OF THE EXTERIOR CAP RETAINERS
SHALL BE A SPECIAL 300 SERIES 1/4-20 STAINLESS MACHINE SCREW
W/ VINYL WASHER (6" ON CENTER) (UNLESS NOTED OTHERWISE) (REF DWG# 12254-M)

- H2. 1/4-20 ST. STL. TRUSS HD. SCREW
H3. NOT USED
H4. 1/4-20 ST. STL. ROUND HEAD SCREW
H5. 1/4-20 ST. STL. FLAT HD. SCREW (UNDERCUT)
H6. RUBBER-BACKED ST. STL. WASHER
H7. #14 ST. STL. SHEET METAL SCREW (1-1/4" LONG)
H8. ALUMINUM CAPSCREW
H9. NOT USED
H10. 3/8" ST. STL. CAPSCREW
H11. 3/8" ST. STL. CAPSCREW W/ ST. STL. WASHER
H12. 3/8" ST. STL. TRUSS HD. SCREW
H13. 3/8" ST. STL. LAGSCREW W/ WASHER
H14. CONCRETE ANCHOR (AS SPECIFIED ON DETAILS)
H15. ST. STL. SHEET METAL SCREW
H16. 1/4" DIA. ZINC NAIL DRIVE FASTENER
H17. 1/8" ST. STL. POP RIVET
H18. STAINLESS STL. NAIL
H19. 3/8" ST. STL. FLAT HD. SCREW
H20. DRIL FLEX SELF DRILLING FASTENER W/STALGARD COATING
H21. NOT USED
H22. NOT USED
H23. 1/2" DIA. ST. STL. CAPSCREW
H24. 1/2" DIA. ST. STL. TRUSS HD.
H25. NOT USED
H26. 1/4" ALUM. WELDED STUD W/ NUT
H27. NOT USED
H28. NOT USED
H29. 1/4" DIA. ST. STL. CAPSCREW
H30. 5/16" DIA. ST. STL. CAPSCREW

I SEALANTS:

ALL SEALANT ON THIS PROJECT SHALL BE DOW CORNING #795
(UNLESS NOTED OTHERWISE)

- I1. STANDARD CONSTRUCTION JOINTS AND ALL NON-STRUCTURAL JOINTS,
UP TO 3/4" WIDE, WITH DEPTH EQUAL TO HALF WIDTH,
WITH OPEN CELL BACKER ROD, OR TEFLON BOND BREAKER TAPE TO
PREVENT THREE SIDED ADHESION (BLACK).
I2. STRUCTURAL CONSTRUCTION JOINTS, 1/4" WIDE X 1/4" DEEP,
WITH OPEN CELL BACKER ROD, (5/8" DIA.) (BLACK).
I3. STANDARD RETAINER WET SEAL (BLACK)
I4. SEALANT ADJACENT TO THE FINISHED SKYLIGHT MATERIAL
(BUT NOT IN CONTACT WITH GLASS) TO BE A
STANDARD COLOR TO MOST CLOSELY MATCH FINISH COLOR (BLACK)
I5. POINT-SUPPORT GLASS JOINTS; DOW CORNING 999A CLEAR
I6. DOW CORNING 123 SILICONE SPLICE STRIP (COLOR T.B.D.)

ERECTOR NOTE:

ALL SURFACES WHICH COME IN CONTACT WITH SEALANTS MUST BE CLEANED
USING ISOPROPYL ALCOHOL (IPA). ALLOW IPA TO COMPLETELY DRY BEFORE
SEALING.

APPLY DOW CORNING 1200-OS PRIMER AT ALL SEALANT JOINTS THAT COME
INTO CONTACT WITH PAINTED ALUMINUM.

J ASPHALTIC PAINT:

- J1. GRAHAM 952-01 GILSONITE BASED ASPHALTUM.

ASPHALTIC PAINT IS FIELD BRUSH APPLIED BETWEEN THE
ALUMINUM AND DISSIMILAR MATERIALS TO PREVENT
ELECTROLYTIC ACTION AND CORROSION.

K INSULATION:

- K1. RIGID INSULATION - DOW CHEMICAL STYROFOAM SQUARE EDGE EXTRUDED
POLYSTYRENE INSULATION BOARD. MEETS ASTM C578 INCLUDING STANDARDS
C518, D1621, E96, D696, C203, D2126 AND C272. PROVIDED IN VARYING
THICKNESSES AND WIDTHS. ACHIEVES AN R-VALUE OF 5 PER INCH OF
THICKNESS.

- K2. BATT INSULATION - JOHNS MANSVILLE R-SERIES MIRCOLITE FIBERGLASS MEETS
ASTM E84, UL 723, NFPA 255, NFPA 90A AND NFPA 90B WITH A MAXIMUM FLAME
SPREAD INDEX OF 25 AND SMOKE DEVELOPED INDEX OF 50. PROVIDED IN
STANDARD THICKNESS OF 2" AND WIDTHS OF 3" OR 6". ACHIEVES AN INSTALLED
R-VALUE OF 2.7 PER INCH OF THICKNESS.

L CLIPS AND PLATES:

EXTRUDED CLIPS TO BE ALLOY 6061-T6
FORMED CLIPS TO BE ALLOY 5052-H32

L1. EXTR. T-CLIP	L15. 3/8" REC BAR
L2. EXTR. CHANNEL CLIP	L16. 1/2" REC BAR
L3. NOT USED	L17. 1/8" ANGLE
L4. EXTR. ANCHOR PLATE	L18. 3/16" ANGLE
L5. EXTR. JACK BAR CLIP	L19. 1/4" ANGLE
L6. NOT USED	L20. 5/16" ANGLE
L7. SPLICE/GUSSET PLATE	L21. 3/8" ANGLE
L8. APEX ANGLE CLIP	L22. 1/2" ANGLE
L9. APEX CHANNEL CLIP	L23. EXTR. CLIP W/SCREW SLOT
L10. EXTR. ZEE-CLIP	L24. 3/16" FORMED CHANNEL CLIP
L11. 1/8" REC BAR	L25. 1/4" FORMED CHANNEL CLIP
L12. 3/16" REC BAR	L26. T-SUPPORT PART# 121-0436
L13. 1/4" REC BAR	L27. RAFTER SUPPORT PART#
L14. 5/16" REC BAR	

M RIGID PVC FILLER BARS:

ALL FILLER BARS TO BE RIGID PVC #820 WITH .085" MINIMUM WALL THICKNESS

GLASS GROUP	FILLER BAR SIZE	COLOR CODE
M1. 3/8" & 7/16"	1/2" X 9/16"	OAK
M2. 1/2" & 9/16"	1/2" X 5/8"	WHITE
M3. 1"	1/2" X 1-1/8"	CHAMPAGNE
M4. 1-1/8" & 1-3/16"	1/2" X 1-1/4"	GREY
M5. 1-1/4" & 1-5/16"	1/2" X 1-3/8"	BLACK
M6. 1"	1/2" X 1"	BROWN
M7. 1-1/4" & 1-5/16" (FLUSH GL.)	1/2" X 1-7/8"	BLUE
M8. 10 mm POLYCARBONATE	1/2" X 7/16"	PURPLE
M9. 16 mm POLYCARBONATE	1/2" X 3/4"	POLAR WHITE

N MISCELLANEOUS:

- N1. 1/4" DIA. WEEP HOLE @ EACH RAFTER
N2. 1/4" DIA. WEEP HOLE, 1 PER LITE @ CENTERPOINT
N3. 1-1/4" DIA. ACCESS HOLE W/ ALUMINUM COVER (SET IN SEALANT)
N4. ACCESS HOLE
N5. PVC CONDENSATION SPLICE CHANNEL (SET IN SEALANT)
N6. 3/16" ALUMINUM GLASS STOP, 4" LONG, 2 PER LITE @ 1/4 PTS.
N7. 0.160" ALUMINUM GLASS STOP, CONTINUOUS (WELD TO CR. BAR)
N8. PLASTIC HORSESHOE SHIM (AS REQ'D.)
N9. ALUMINUM SHIM (AS REQ'D)
N10. 1/2" x 1/2" OPEN CELL WEEP HOLE BAFFLE (SET IN SEALANT)

DADE COUNTY USE	ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 21-0930-14 Expiration Date 11/18/2024 By Healy, M. Miami Dade Product Control	 1-6-22
COMPUTERIZED STRUCTURAL DESIGN, INC. 8989 N. PORT WASHINGTON ROAD MILWAUKEE, WI 53217 EB-0001982 MICHAEL P. RYER P.E. #50548	

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OTHERS <input type="checkbox"/>	MISC. DRAWING(S):
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OTHERS <input type="checkbox"/>	
GLAZING BY: SUPER SKY <input checked="" type="checkbox"/>	
OTHERS <input type="checkbox"/>	



SUPER SKY PRODUCTS
ENTERPRISES, LLC

10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT

MOCK-UP
HVHZ - CATEGORY 4
INSULATED GLASS

ARCHITECT

CONTRACTOR

TITLE

COMPONENTS &
MATERIALS
SPECIFICATIONS
SHEET

DRAWN BY: NBO DATE: 3/11/16

SCALE: NONE APPROVAL: (DP)

PROJECT NO.: 20150223

MI1
OF 6



REVISION

PROJECT

MOCK-UP
HVHZ - CATEGORY 4
INSULATED GLASS

ARCHITECT

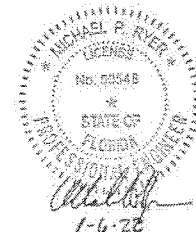
CONTRACTOR

TITLE

ELEVATION

DADE COUNTY USE

ENGINEER STAMP



COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

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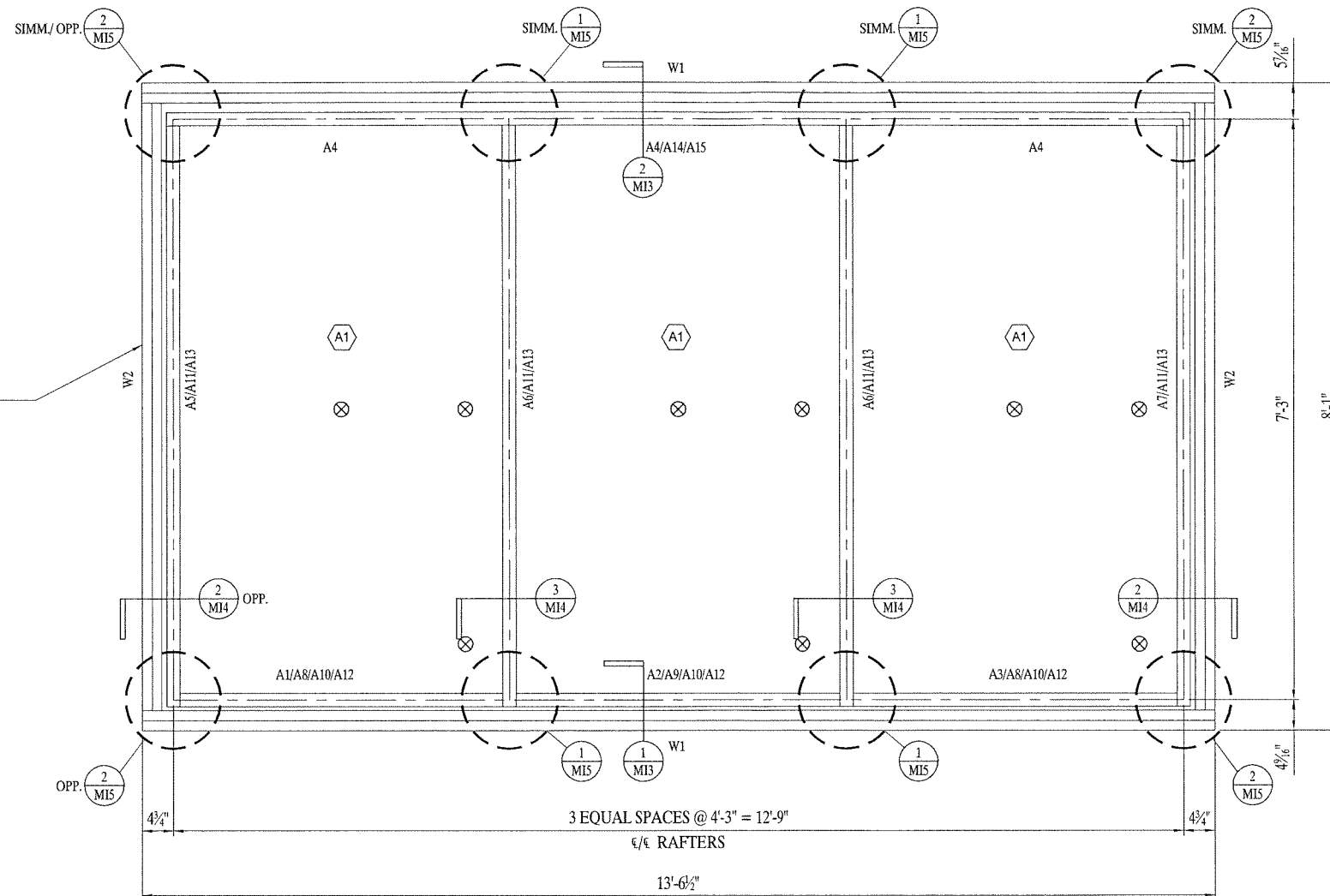
20150223MI-D1.dwg

BC

MI2
OF 6

GENERAL NOTE:

ALL PERIMETER 2 X 12 WOOD FRAMING IS BY SUPER SKY PRODUCTS ENTERPRISES, LLC AND IS TO BE SHOP ASSEMBLED AND ANCHORED TO THE FRAME.



ELEVATION (1 REQ'D)

SCALE: 1" = 1'-0"

—NOTE:—

⊗ LARGE MISSILE IMPACT TARGET
(80 FT. PER SECOND)

PRESSURE CYCLING @ + 80 PSF, - 90 PSF

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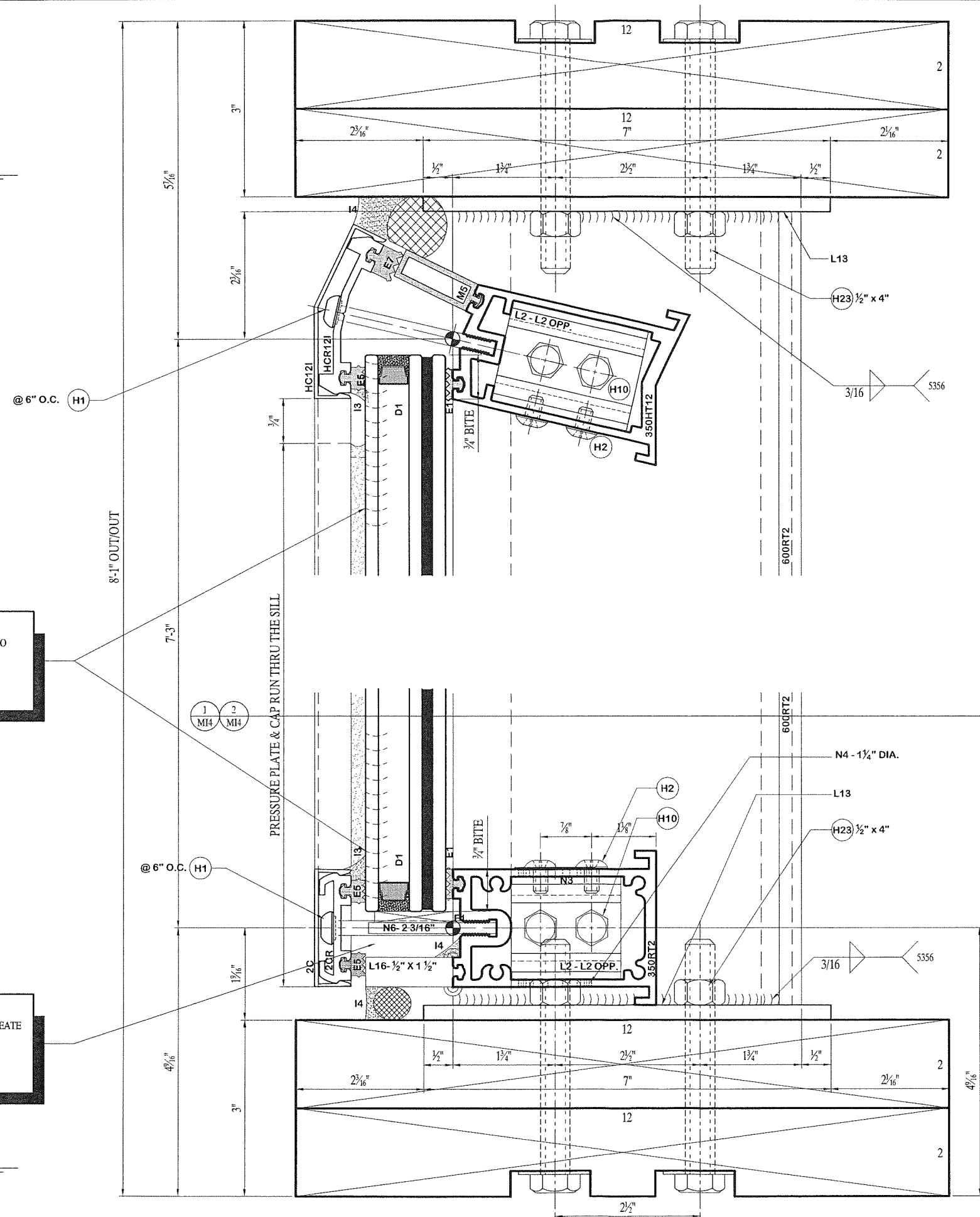
By H. G. A. Miller
Miami Dade Product Control

2 HEAD SECTION
MI3 SCALE: FULL

SEAL BETWEEN THE GLASS EDGES AT ALL INTERSECTIONS PRIOR TO
INSTALLING THE PRESSURE PLATES.

USE 1" DIAMETER BACKER ROD AND DC 795 BLACK SEALANT TO CREATE A FLUSH JOINT AT THE PRESSURE PLATE DRAINAGE GAP.

1 SILL SECTION
MI3 SCALE: FULL



SUPER SKY PRODUCTS
ENTERPRISES, LLC

10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT

MOCK-UP
HVHZ - CATEGORY 4
INSULATED GLASS

ARCHITECT

CONTRACTOR

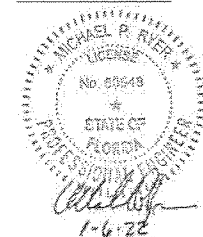
TITLE

HEAD AND SILL SECTIONS

DADE COUNTY USE

ENGINEER STAMP

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Expiration Date 11/18/2024
By H. G. A. M. M.
Miami Dept Product Control



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MICHAEL P. RYER
P.E. #50548

CAD FILE NAME:

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MI3
OF 6



SUPER SKY PRODUCTS
ENTERPRISES, LLC
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MEQUON, WISCONSIN 53092
262-242-2000

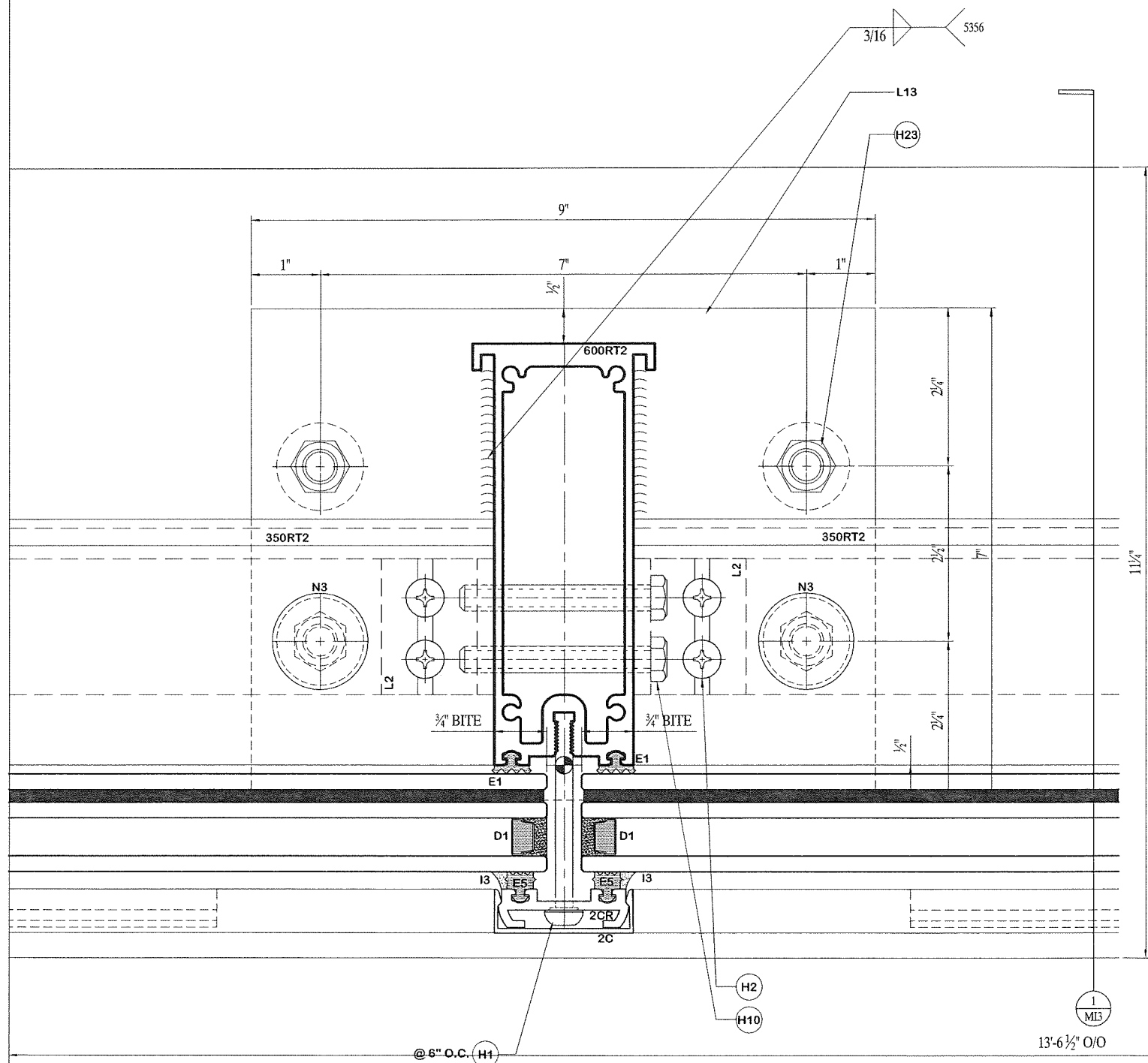
REVISION

PROJECT
MOCK-UP
HVHZ - CATEGORY 4
INSULATED GLASS

ARCHITECT

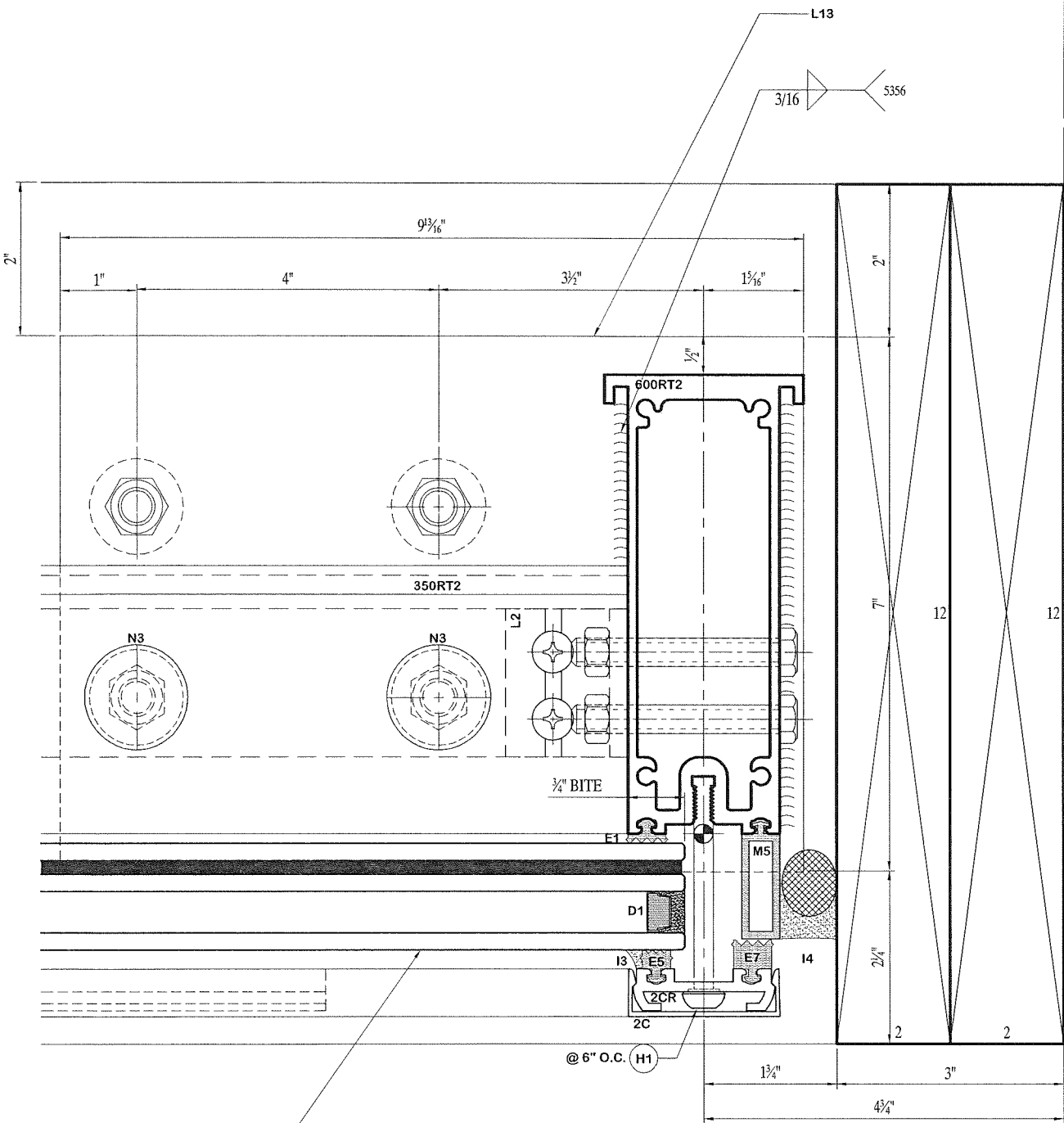
CONTRACTOR

TITLE
VERTICAL RAFTER
AND END RAFTER
SECTIONS



1 VERTICAL RAFTER SECTION
SCALE: FULL

INSTALLATION NOTE:
USE 1" DIAMETER BACKER ROD AND DC 795 BLACK SEALANT TO CREATE
A FLUSH JOINT AT THE PRESSURE PLATE DRAINAGE GAP.



2 END RAFTER SECTION
SCALE: FULL

DADE COUNTY USE	ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 21-0930.14 Expiration Date 11/18/2024 By <i>Hedy A. Miller</i> Miami Dade Product Control	
COMPUTERIZED STRUCTURAL DESIGN, INC. 8989 N. PORT WASHINGTON ROAD MILWAUKEE, WI 53217 EB-0001982 MICHAEL P. RYER P.E. #50548	CAD FILE NAME: 20150223MI-D1.dwg



SUPER SKY PRODUCTS
ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-342-2000

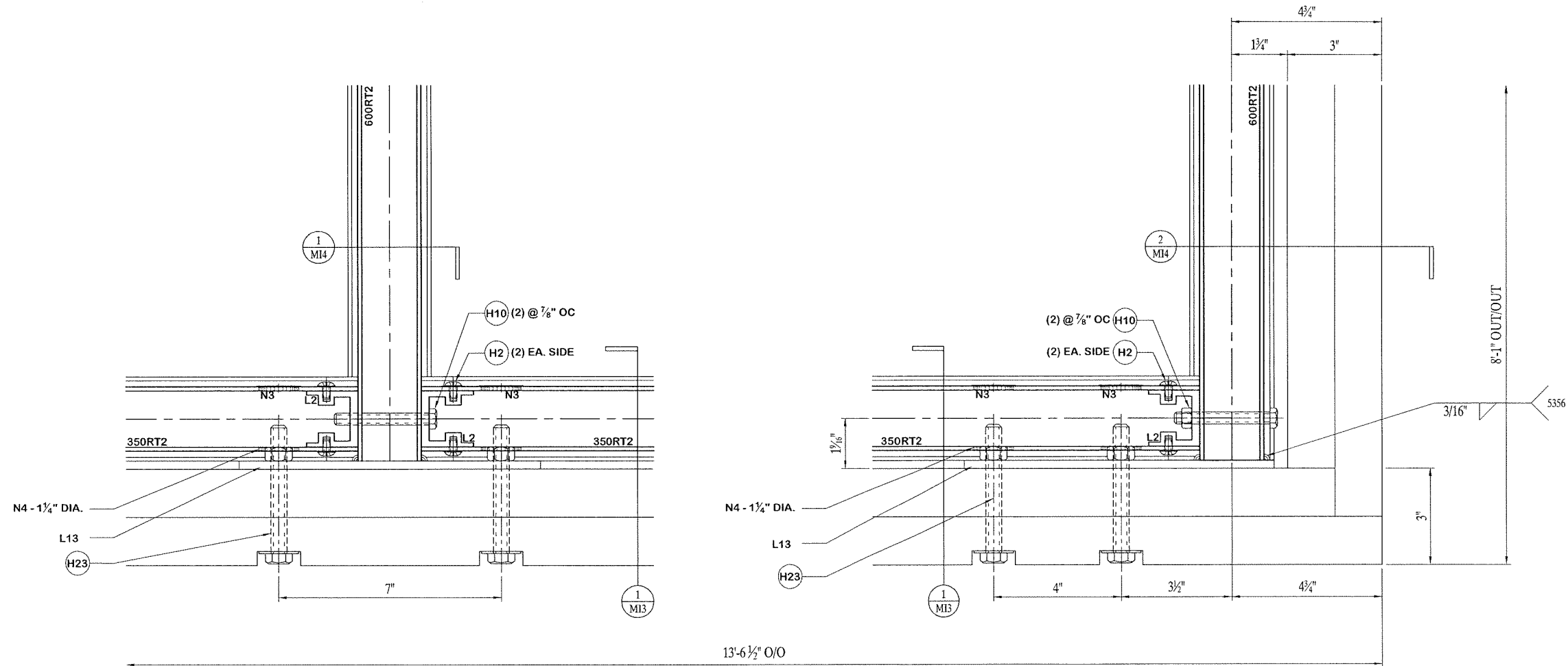
REVISION

PROJECT
MOCK-UP
HVHZ - CATEGORY 4
INSULATED GLASS

ARCHITECT

CONTRACTOR

TITLE
CONNECTION DETAILS



1 CONNECTION DETAIL
SCALE: HALF

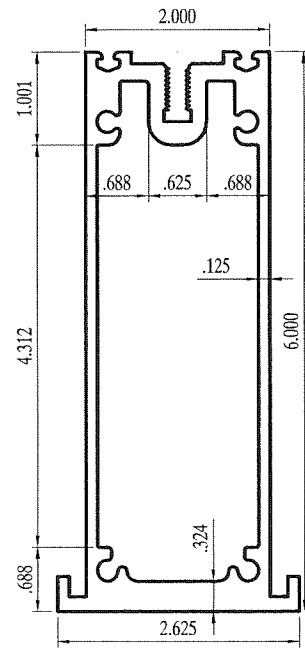
2 CONNECTION DETAIL
SCALE: HALF

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 21-0930-14
Expiration Date 11/18/2024
By H. G. A. Miller
Miami Dade Product Control

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DRAWN BY	DATE
NBO	3/11/16
SCALE	APPROVAL
FULL	(DP)
PROJECT NO.	20150223

MI5
OF 6

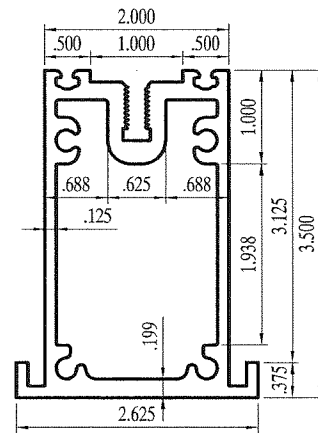


600 RAFTER TUBE
FULL SCALE

SUMMARY OF PROPERTIES

Centre of Mass [1.31252, 3.04838, 0]
Surface Area 3.25237 inch **2
Moment about X axis 1.98402 inch **4
Moment about Y axis 16.8859 inch **4
Polar Moment 18.8699 inch **4
Principal Axes Rotation Angle = 90°-0'
Radii of Gyration:
Polar 2.40871 inch
X axis 0.781039 inch
Y axis 2.27857 inch

Weight Per Linear Foot: 3.805273 lbs
Aluminum Alloy: 6005-T5

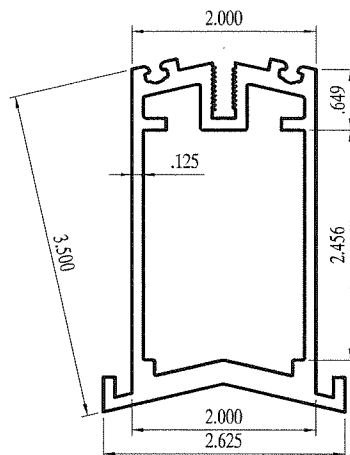


350 RAFTER TUBE
FULL SCALE

SUMMARY OF PROPERTIES

Centre of Mass [1.31243, 1.7169, 0]
Surface Area 2.12343 inch **2
Moment about X axis 1.2925 inch **4
Moment about Y axis 3.52933 inch **4
Polar Moment 4.82184 inch **4
Principal Axes Rotation Angle = 90°-0'
Radii of Gyration:
Polar 1.50691 inch
X axis 0.780183 inch
Y axis 1.28922 inch

Weight Per Linear Foot: 2.484413 lbs
Aluminum Alloy: 6005-T5

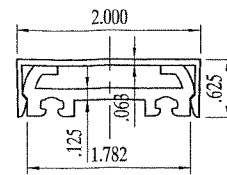


350 HIP TUBE 12°-55'
FULL SCALE

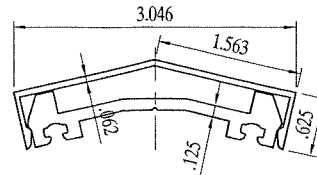
SUMMARY OF PROPERTIES

Centre of Mass [1.00003, 2.12172, 0]
Surface Area 1.20076 inch **2
Moment about X axis 0.290704 inch **4
Moment about Y axis 2.31602 inch **4
Polar Moment 2.60673 inch **4
Principal Axes Rotation Angle = 90°-0'
Radii of Gyration:
Polar 1.47340 inch
X axis 0.492037 inch
Y axis 1.38881 inch

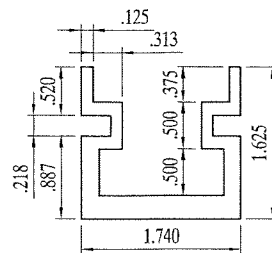
Weight Per Linear Foot: 1.404889 lbs
Aluminum Alloy: 6005-T5



RAFTER CAP & RETAINER
FULL SCALE (ALLOY 6005-T5) 1



HIP CAP & RETAINER
FULL SCALE (ALLOY 6005-T5) 1

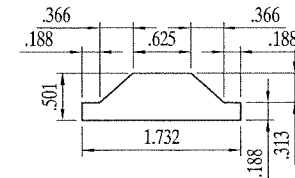


CHANNEL CLIP
FULL SCALE

SUMMARY OF PROPERTIES

Area: 1.01841
Perimeter: 11.73200
Centroid: X: 0.87000
Y: 0.57472
Moments of Inertia: X: 0.22967
Y: 0.40687
Radii of Gyration: X: 0.47488
Y: 0.63207
Principal Moments: X: 0.02297
Y: 0.40687

Weight Per Linear Foot: 1.3150 lbs
Aluminum Alloy: 6005-T5

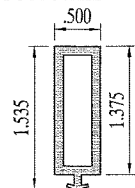


ANCHOR PLATE
FULL SCALE

SUMMARY OF PROPERTIES

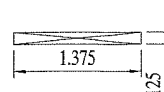
Area: 0.63564
Perimeter: 4.07141
Centroid: X: 0.86000
Y: 0.20679
Moments of Inertia: X: 0.01187
Y: 0.11019
Radii of Gyration: X: 0.13664
Y: 0.41637
Principal Moments: X: 0.01187
Y: 0.11019

Weight Per Linear Foot: 0.7630 lbs
Aluminum Alloy: 6005-T5



RIGID PVC #820 W/ 0.095" (MIN.) WALL

1/2" x 1-3/8" RIGID PVC
FILLER BAR
FULL SCALE



TYPE II SILICONE RUBBER

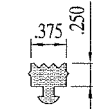
HARDNESS: (SHORE A) 80 + 5 DUROMETER
COLOR: BLACK

1/8" x 3/4" x 4" LONG
SETTING BLOCK
FULL SCALE



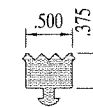
HARDNESS: (SHORE A) 50 + 5 DUROMETER
TENSILE STRENGTH: 800 PSI (MIN.)
ELONGATION: 300% (MIN.)
TEAR, DIE 8, PSI: 65 (MIN.)
COLOR: BLACK

1/8" x 1/2" EPDM
GLAZING STRIP
FULL SCALE



HARDNESS: (SHORE A) 50 + 5 DUROMETER
TENSILE STRENGTH: 800 PSI (MIN.)
ELONGATION: 300% (MIN.)
TEAR, DIE 8, PSI: 65 (MIN.)
COLOR: BLACK

1/4" x 3/8" EPDM
GLAZING STRIP
FULL SCALE



HARDNESS: (SHORE A) 50 + 5 DUROMETER
TENSILE STRENGTH: 800 PSI (MIN.)
ELONGATION: 300% (MIN.)
TEAR, DIE 8, PSI: 65 (MIN.)
COLOR: BLACK

3/8" x 1/2" EPDM
GLAZING STRIP
FULL SCALE



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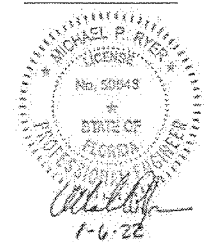
CONTRACTOR

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CONNECTION DETAILS

DADE COUNTY USE

ENGINEER STAMP



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MICHAEL P. RYER
P.E. #50548

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