MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

# NOTICE OF ACCEPTANCE (NOA)

**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 Skylight System – Small Missile Impact**

**APPROVAL DOCUMENT:** Drawing No. 20210221, titled " Super Sky's Standard Tubular Skylight Glazing System ", sheets M1-SMI through M7-SMI and M1-SML through M7-SML, prepared by Super Sky Products Enterprises, LLC, last revision #2 dated Nov. 21, 2024, signed and sealed by Michael P. Ryer, P.E, on November 26, 2024 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: Small Missile Impact Resistant**

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

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

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

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

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

This NOA **revises NOA #24-0110.02** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

Helmy A. Makar
01/09/2025

**NOA No. 24-1203.02**
**Expiration Date: 08/08/2029**
**Approval Date: 01/09/2025**

**Super Sky Products Enterprises, LLC**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 24-0110.02**

**A. DRAWINGS**

*1. Drawing No. 20210221, titled " Super Sky's Standard Tubular Skylight Glazing System ", sheets M1-SMI through M7-SMI and M1-SML through M7-SML, prepared by Super Sky Products Enterprises, LLC, last revision #1 dated July 17, 2024, signed and sealed by Michael P. Ryer, P.E, on July 25, 2024.*

**B. TESTS**

*1. Test report on Small Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test on Super Sky's Skylight Systems, prepared by Intertek, Report No. Q1408.01-201-18 R0, dated 10/31/23, signed and sealed by Tanya A. Dolby, P.E., on 12/27/2023.*

**C. CALCULATIONS**

*1. Calculation titled "Skylight Calculations" Small Missile Test", dated 12/20/2020, pages 1 through 67 of 67, prepared by Michael P. Ryer, P.E, signed and sealed by Michael P. Ryer, P.E, on 12/20/2020.*

**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, 2023 Edition, issued by Mr. Michael P. Ryer, P.E., dated 12/20/2023, signed and sealed by Mr. Michael P. Ryer, P.E.*

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

*1. Drawing No. 20210221, titled " Super Sky's Standard Tubular Skylight Glazing System ", sheets M1-SMI through M7-SMI and M1-SML through M7-SML, prepared by Super Sky Products Enterprises, LLC, last revision #2 dated Nov. 21, 2024, signed and sealed by Michael P. Ryer, P.E, on Nov. 26, 2024.*

**B. TESTS**

*1. Test report on Small Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test on Super Sky's Skylight Systems, prepared by Intertek, Report No. Q1408.02-201-18 R0, dated 10/31/23, revised on 10/30/24, signed and sealed by Tanya A. Dolby, P.E., on 10/31/2024.*

**Helmy A. Makar, P.E., M.S.**
**Product Control Section Supervisor**
**NOA No. 24-1203.02**
**Expiration Date: 08/08/2029**
**Approval Date: 01/09/2025**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**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, 2023 Edition, issued by Mr. Michael P. Ryer, P.E., dated 12/20/2023, signed and sealed by Mr. Michael P. Ryer, P.E.*

**Helmy A. Makar, P.E., M.S.**
**Product Control Section Supervisor**
**NOA No. 24-1203.02**
**Expiration Date: 08/08/2029**
**Approval Date: 01/09/2025**

## SUPER SKY'S STANDARD TUBULAR SKYLIGHT SYSTEM DESCRIPTION

1) SYSTEM DESCRIPTION: SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM CONSISTS OF AN EXTRUDED ALUMINUM STRUCTURAL FRAME (6005A-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 M1-M7. THE GLASS IS ATTACHED TO THE FRAME USING ALUMINUM RETAINERS (6005A-T5), AND ¼"-20 STAINLESS STEEL TORX HEAD SCREWS 3" O.C. THE SCREWS ENGAGE THE SERRATIONS IN THE ALUMINUM EXTRUSIONS BELOW. EPDM GASKETS ARE USED ON THE INTERIOR (⅛" X ½") AND EXTERIOR (¼" X ⅜") 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 M1-M7 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/M4)

2. RAFTER (SEE DETAIL 1/M5)

3. CROSSBAR (SEE DETAIL 1/M4)

4. KNEE [HIP] (SEE DETAIL 2/M4)

PLEASE SEE DRAWINGS M1-M7 FOR COMPLETE SPECIFICATIONS OF THE MOCK-UPS TESTED.

## GENERAL NOTES:

1) THIS SYSTEM IS APPROVED FOR: DESIGN PRESSURES UP TO +140/-140PSF. 1 2

2) GLASS TYPE TESTED: 1⁵⁄₁₆" INSULATED/LAMINATED CONSISTING OF:
¼" CLEAR TEMPERED GLASS
½" AIR SPACE
¼" CLEAR TEMPERED GLASS
.060" CLEAR PVB INTERLAYER BY EASTMAN
¼" CLEAR TEMPERED GLASS

3) SMALL MISSILE IMPACT TESTED. THIS GLASS PRODUCT IS APPROVED FOR USE IS HEIGHTS ABOVE 30' FROM GRADE.

5) APPROVED FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ).

6) APPROVED UP TO A MAXIMUM GLASS LITE SIZE OF 40 SQ. FT.

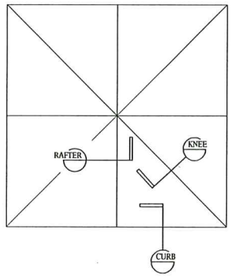
7) THE ALUMINUM EXTRUSIONS TESTED WERE SIZED PER STRUCTURAL CALCULATIONS TO SUIT THE SPANS AND DESIGN PRESSURE TESTED.

8) ALUMINUM CONTACTING MATERIALS NOT CONSIDERED COMPATIBLE SHALL BE PROTECTED PER THE FLORIDA BUILDING CODE 2023 EDITION.

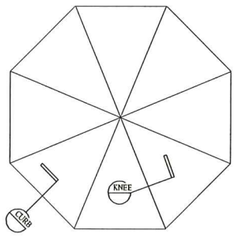
9) THIS APPROVAL IS LIMITED TO THE MAXIMUM AREA OF THE 1⁵⁄₁₆" INSULATED GLASS, THE FULLY ASSEMBLED GLAZING DETAILS SYSTEM TO THE SUPPORTING RAFTERS AND THE MAXIMUM DESIGN PRESSURE SHOWN ON THESE DRAWINGS.

10) 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.

11) THIS SKYLIGHT SYSTEM IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2023 EDITION.

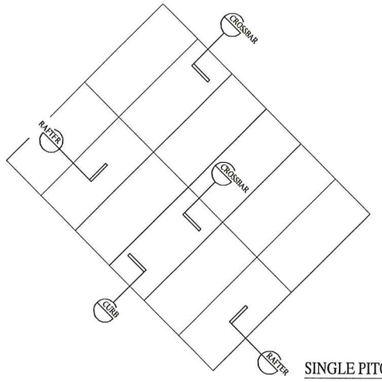


PYRAMID

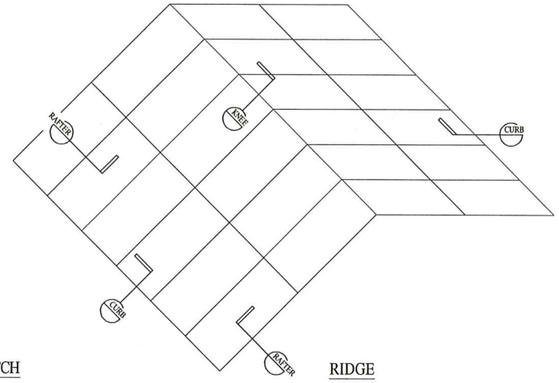


DOME

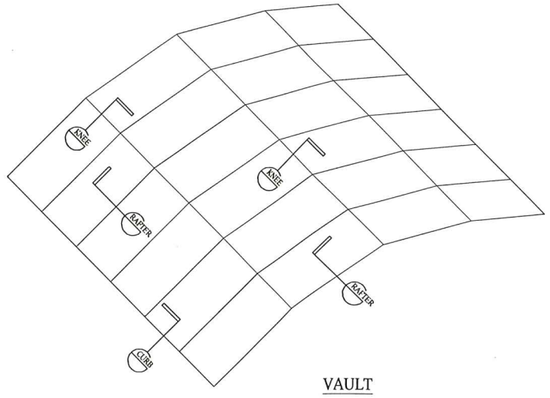
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-1203.02
Expiration Date 08/08/2029
By
Miami Dade Product Control



SINGLE PITCH



RIDGE



VAULT

MIAMI-DADE COUNTY

MICHAEL P. RYER LICENSE No. 50548 STATE OF FLORIDA PROFESSIONAL ENGINEER

This document has been electronically signed and sealed by Michael P. Ryer, PE., on the date shown on the time stamp using a digital signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by Mike Ryer
DN: E=mryer@csd-eng.com, CN=Mike Ryer, OU=Engineering, O="Computerized Structural Design, S.C.", L=Milwaukee, S=Wisconsin, C=US
Reason: I am approving this document
Contact Info: Michael P Ryer
Date: 2024.11.26 10:29:37-06'00'

ENGINEER STAMP

MICHAEL P. RYER LICENSE No. 50548 STATE OF FLORIDA PROFESSIONAL ENGINEER

11-26-24

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

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

REVISION

1 PER SSKY 7/17/24 RN

2 PER SSKY 11/21/24 RN

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

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ARCHITECT

CONTRACTOR

TITLE
COMPONENTS & MATERIALS SPECIFICATIONS SHEET

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| NONE | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M1-SMI

# 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 |
|---|---|---|
| 450RT2 | 450 RAFTER TUBE 2 WIDE | 6005A-T5 |
| 600RT2 | 600 RAFTER TUBE 2 WIDE | 6005A-T5 |
| 2C | 2 CAP | 6063-T5 |
| 2CR | 2 CAP RETAINER | 6005A-T5 |
| 450HT12 | 450 HIP TUBE 12^-55 | 6005A-T5 |
| HC12I | HIP CAP 12^-55 INS. | 6063-T5 |
| HCR12I | HIP CAP RETAINER 12^-55 INS. | 6005A-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:

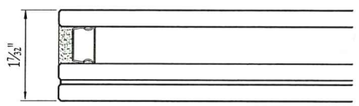
ALL ALUMINUM EXTRUSION EXPOSED TO VIEW SHALL RECEIVE THE FOLLOWING FINISH:

C1. 215AE CLEAR ANODIZED

## D GLASS:

GLASS SHALL BE SUPPLIED AS FOLLOWS:

D1. 1-5/16" LAMINATED GLASS CONSISTING OF:
- ¼" CLEAR TEMPERED
- ½" AIR SPACE WITH METAL SPACERS
- ¼" CLEAR TRMPERED
- .060" CLEAR PVB
- ¼" CLEAR TEMPERED




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

## M RIGID PVC FILLER BARS:

ALL FILLER BARS TO BE RIGID PVC #820 WITH .095" 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)

MIAMI-DADE COUNTY

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-1203.02
Expiration Date 08/09/2029
By
Miami Dade Product Control

ENGINEER STAMP

MICHAEL P. RYER
LICENSE
No. 50548
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1-26-24

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

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

---

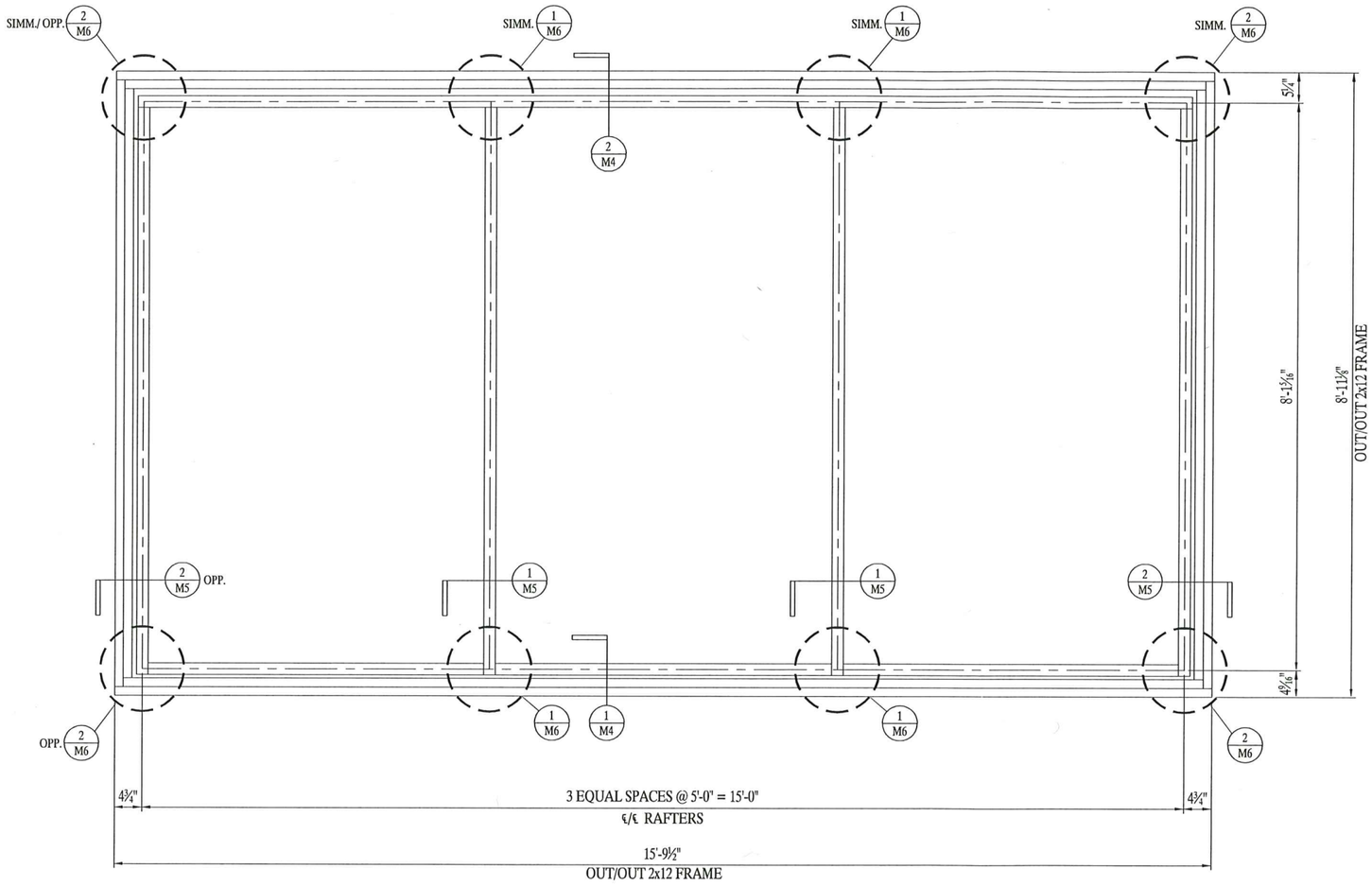
ARCHITECT

CONTRACTOR

TITLE
COMPONENTS & MATERIALS SPECIFICATIONS SHEET

| DRAWN BY | DATE |
|---|---|
| RJN | 12/10/21 |
| SCALE | APPROVAL |
| NONE | RJN |
| PROJECT NO. | |
| 20210221 | |

M2-SMI




1/M3 ELEVATION (2 REQ'D)

SCALE: 1" = 1'-0"

MIAMI-DADE COUNTY

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 24-1203.02
Expiration Date 05/08/2029
By
Miami Dade Product Control

ENGINEER STAMP

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LICENSE
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11-26-24

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262-242-2000

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

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ARCHITECT

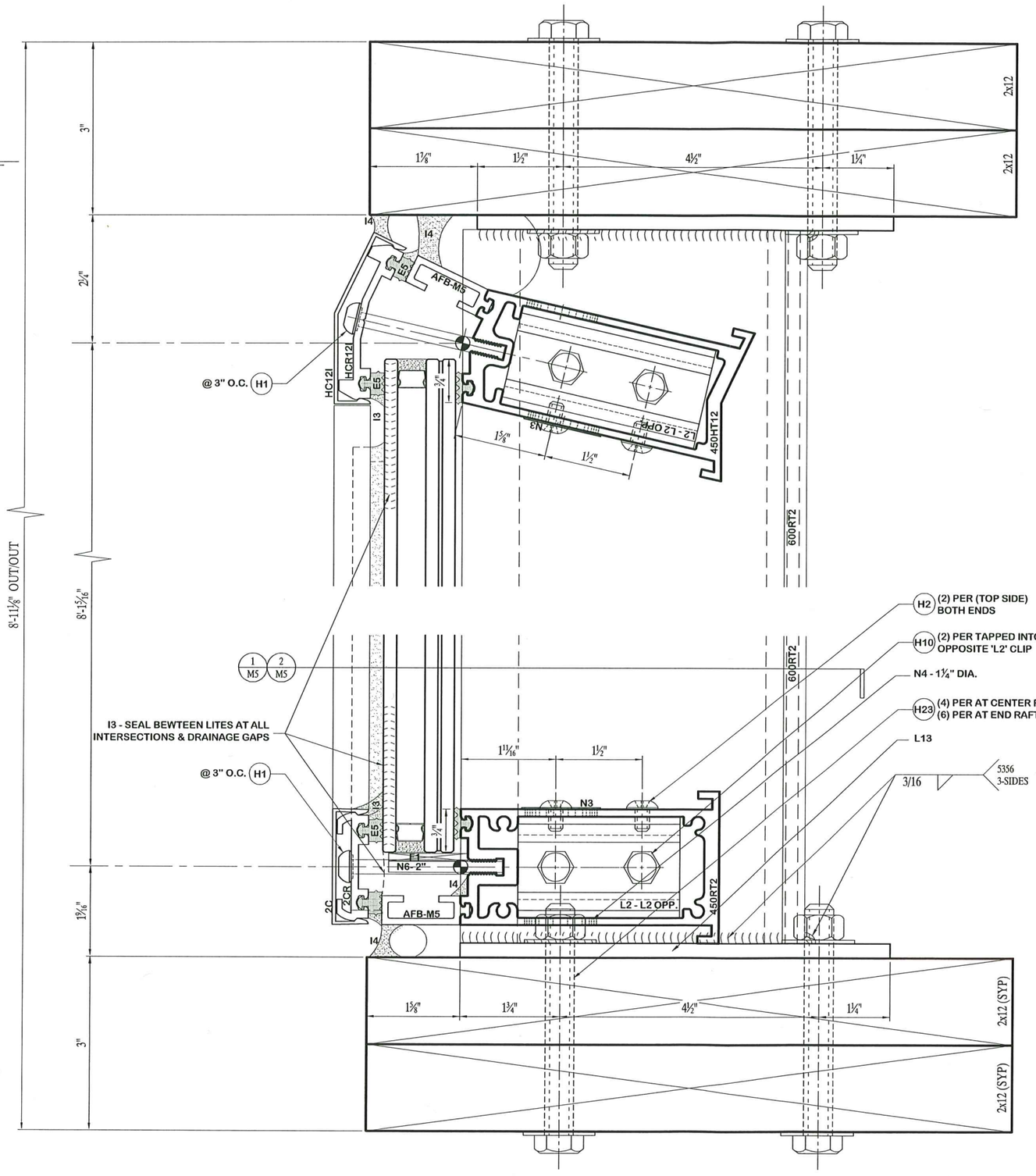
CONTRACTOR

TITLE
ELEVATION

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| 1"=1'-0" | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M3-SMI

## 2 / M4 HEAD SECTION
SCALE: FULL




## 1 / M4 SILL SECTION
SCALE: FULL

MIAMI-DADE COUNTY

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 24-1203.02
Expiration Date 07/07/2029
By Miami Dade Product Control

ENGINEER STAMP

MICHAEL P. RYER
LICENSE
No. 50548
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11-26-24

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


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


REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

---

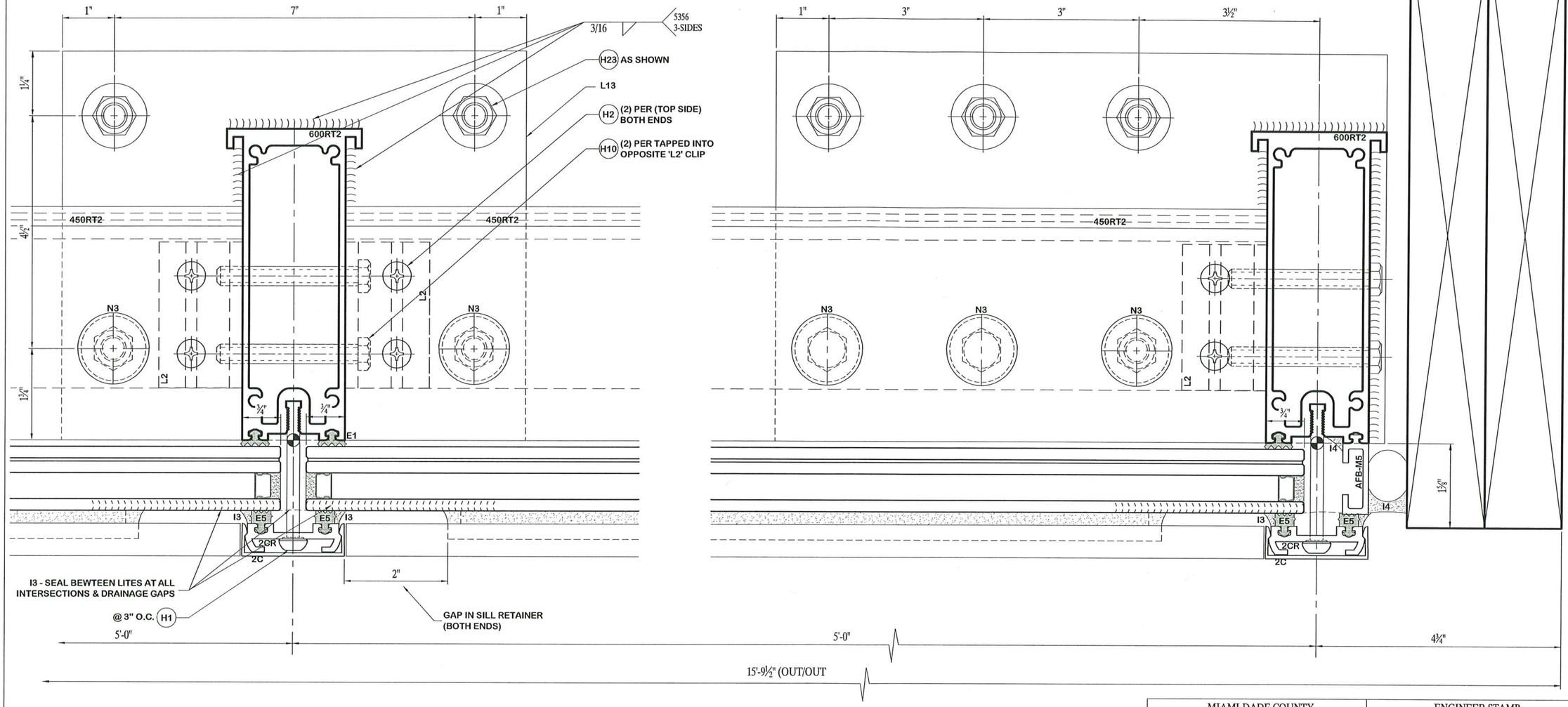
ARCHITECT

CONTRACTOR

TITLE
HEAD AND SILL SECTIONS

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M4-SMI




1 M5 RAFTER SECTION
SCALE: FULL

2 M5 RAFTER SECTION
SCALE: FULL

MIAMI-DADE COUNTY

PRODUCT REVISED
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ENGINEER STAMP

MICHAEL P. RYER
LICENSE
No. 50548
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11-26-24

COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
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SUPER SKY PRODUCTS ENTERPRISES, LLC
10301 N. ENTERPRISE DR.
MEQUON, WISCONSIN 53092
262-242-2000

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

---

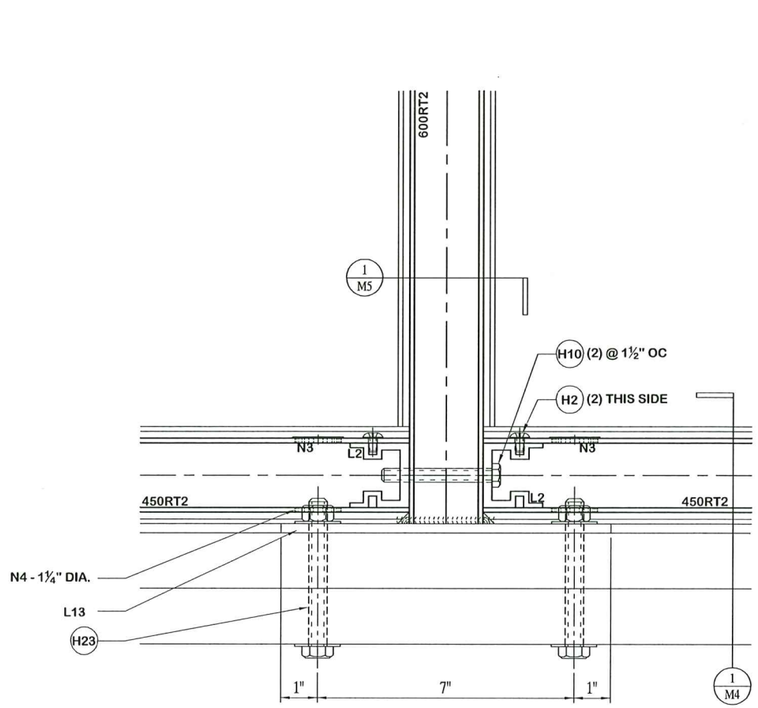
ARCHITECT

CONTRACTOR

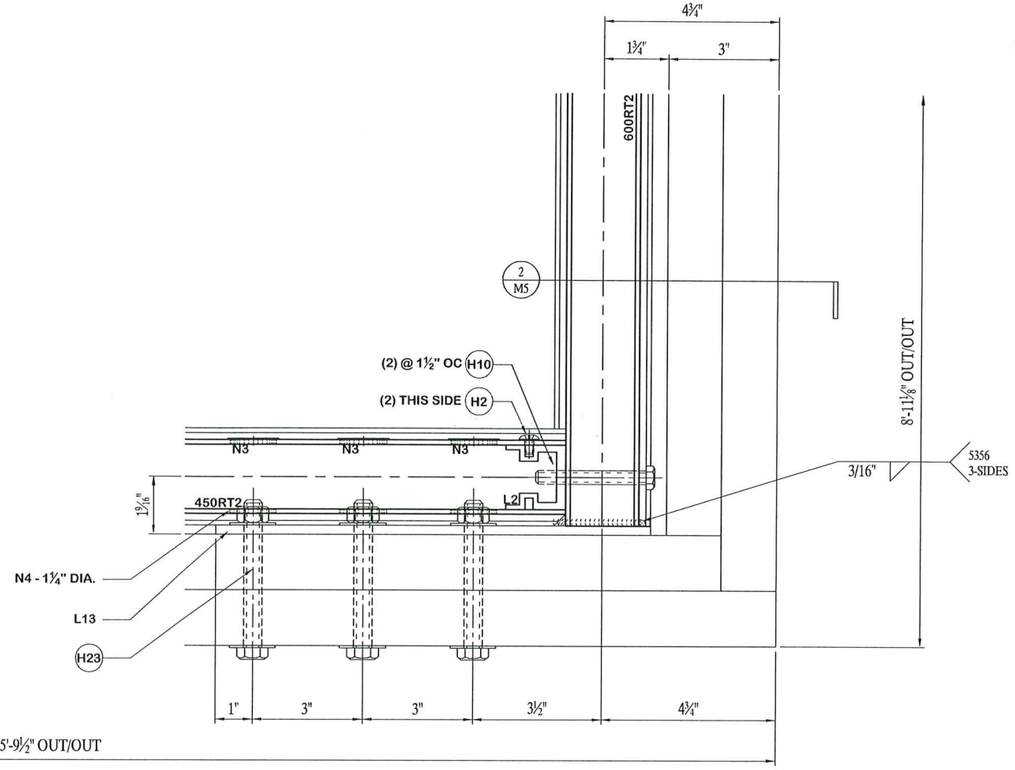
TITLE
VERTICAL RAFTER AND END RAFTER SECTIONS

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M5-SMI




1 M6 CONNECTION DETAIL
SCALE: HALF




2 M6 CONNECTION DETAIL
SCALE: HALF

MIAMI-DADE COUNTY

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8989 N. PORT WASHINGTON ROAD
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MICHAEL P. RYER
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SUPER SKY

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

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ARCHITECT

CONTRACTOR

TITLE
CONNECTION DETAILS

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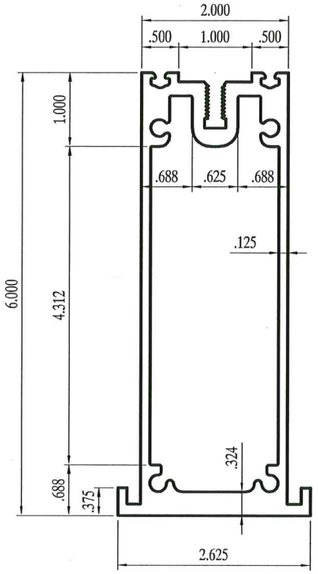
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M6-SMI
OF 7




SUMMARY OF PROPERTIES

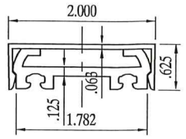
| | |
|---|---|
| Centre of Mass | [1.31252, 3.04838, 0] |
| Surface Area | 3.25237 inch **2 |
| Moment about X axis | 1.98402 inch **4 |
| Moment about Y axis | 16.8859 inch **4 |
| Polar Moment | 18.8699 inch **4 |

Principal Axes Rotation Angle = 90°-0'
Radii of Gyration:

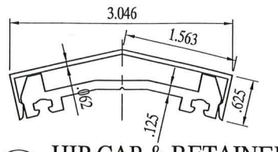
| | |
|---|---|
| Polar | 2.40871 inch |
| X axis | 0.781039 inch |
| Y axis | 2.27857 inch |

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

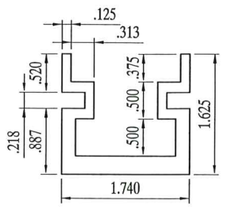
## 600 RAFTER TUBE
FULL SCALE




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




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

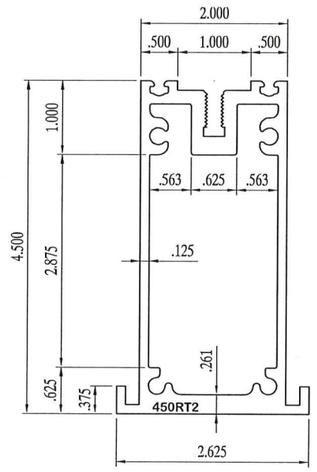



SUMMARY OF PROPERTIES

| | |
|---|---|
| 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: 6005A-T5

## CHANNEL CLIP
FULL SCALE




SUMMARY OF PROPERTIES

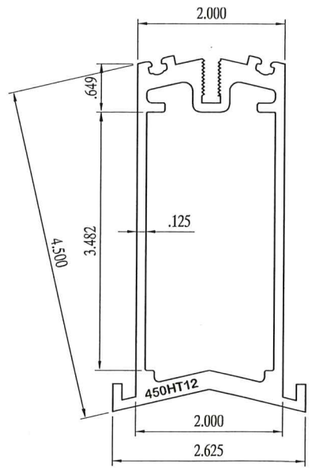
| | |
|---|---|
| Centre of Mass | [1.3125, 2.22056, 0] |
| Surface Area | 2.59063 inch **2 |
| Moment about X axis | 1.54514 inch **4 |
| Moment about Y axis | 7.29628 inch **4 |
| Polar Moment | 8.84142 inch **4 |

Principal Axes Rotation Angle = 90°-0'
Radii of Gyration:

| | |
|---|---|
| Polar | 1.84739 inch |
| X axis | 0.77229 inch |
| Y axis | 1.67822 inch |

Weight Per Linear Foot: 3.03104 lbs
Aluminum Alloy: 6005A-T5

## 450 RAFTER TUBE
FULL SCALE




SUMMARY OF PROPERTIES

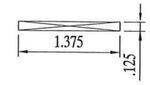
| | |
|---|---|
| Centre of Mass | [1.3125, 2.38154, 0] |
| Surface Area | 2.42468 inch **2 |
| Moment about X axis | 1.52322 inch **4 |
| Moment about Y axis | 7.52504 inch **4 |
| Polar Moment | 9.04826 inch **4 |

Principal Axes Rotation Angle = 90°-0'
Radii of Gyration:

| | |
|---|---|
| Polar | 1.93177 inch |
| X axis | 0.79260 inch |
| Y axis | 1.76168 inch |

Weight Per Linear Foot: 2.83688 lbs
Aluminum Alloy: 6005A-T5

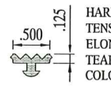
## 350 HIP TUBE 12°-55'
FULL SCALE




TYPE II SILICONE RUBBER

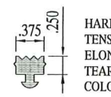
HARDNESS: (SHORE A) 80 + 5 DUROMETER
COLOR: BLACK

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



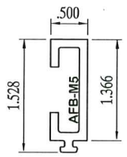

| | |
|---|---|
| HARDNESS: | (SHORE A) 50 + 5 DUROMETER |
| TENSILE STRENGTH: | 800 PSI (MIN.) |
| ELONGATION: | 300% (MIN.) |
| TEAR, DIE 8, PSI: | 65 (MIN.) |
| COLOR: | BLACK |

## 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




Aluminum Alloy: 6005A-T5

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

MIAMI-DADE COUNTY

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 24-1203.02
Expiration Date 08/04/2029
By Hedy A. Mesa
Miami Dade Product Control

ENGINEER STAMP

MICHAEL P. RYER * LICENSE * No. 50548 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
11-26-24

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

SUPER SKY

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

---

ARCHITECT

CONTRACTOR

TITLE
CONNECTION DETAILS

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M7-SMI

## SUPER SKY'S STANDARD TUBULAR SKYLIGHT SYSTEM DESCRIPTION

1) SYSTEM DESCRIPTION: SUPER SKY'S STANDARD TUBULAR SKYLIGHT GLAZING SYSTEM CONSISTS OF AN EXTRUDED ALUMINUM STRUCTURAL FRAME (6005A-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 M1-M7. THE GLASS IS ATTACHED TO THE FRAME USING ALUMINUM RETAINERS (6005A-T5), AND ¼"-20 STAINLESS STEEL TORX HEAD SCREWS 3" O.C. THE SCREWS ENGAGE THE SERRATIONS IN THE ALUMINUM EXTRUSIONS BELOW. EPDM GASKETS ARE USED ON THE INTERIOR (⅛" X ½") AND EXTERIOR (¼" X ⅜") 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 M1-M7 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/M4)
2. RAFTER (SEE DETAIL 1/M5)
3. CROSSBAR (SEE DETAIL 1/M4)
4. KNEE [HIP] (SEE DETAIL 2/M4)

PLEASE SEE DRAWINGS M1-M7 FOR COMPLETE SPECIFICATIONS OF THE MOCK-UPS TESTED.

## GENERAL NOTES:

1) THIS SYSTEM IS APPROVED FOR: DESIGN PRESSURES UP TO +140/-140PSF. △1 △2

2) GLASS TYPE TESTED: 9/16" LAMINATED CONSISTING OF:
¼" CLEAR TEMPERED GLASS
.060" CLEAR PVB INTERLAYER BY EASTMAN
¼" CLEAR TEMPERED GLASS

3) SMALL MISSILE IMPACT TESTED. THIS GLASS PRODUCT IS APPROVED FOR USE IS HEIGHTS ABOVE 30' FROM GRADE.

4) APPROVED UP TO A MAXIMUM LITE SIZE OF 40 SQ. FT.

5) APPROVED FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ).

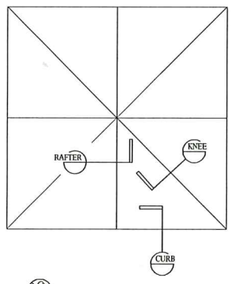
6) THE ALUMINUM EXTRUSIONS TESTED WERE SIZED PER STRUCTURAL CALCULATIONS TO SUIT THE SPANS AND DESIGN PRESSURE TESTED.

7) ALUMINUM CONTACTING MATERIALS NOT CONSIDERED COMPATIBLE SHALL BE PROTECTED PER THE FLORIDA BUILDING CODE 2023 EDITION.

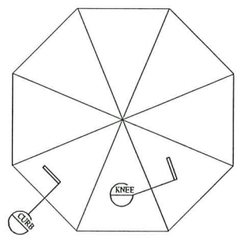
8) THIS APPROVAL IS LIMITED TO THE MAXIMUM AREA OF THE 9/16" LAMINATED GLASS, THE FULLY ASSEMBLED GLAZING DETAILS SYSTEM TO THE SUPPORTING RAFTERS AND THE MAXIMUM DESIGN PRESSURE SHOWN ON THESE DRAWINGS.

9) 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.

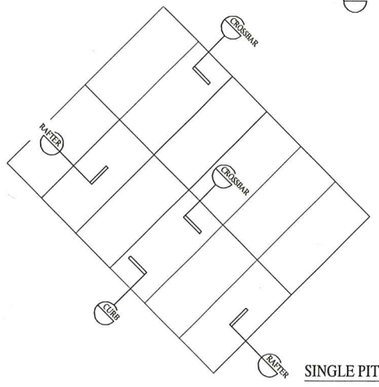
10) THIS SKYLIGHT SYSTEM IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2023 EDITION.



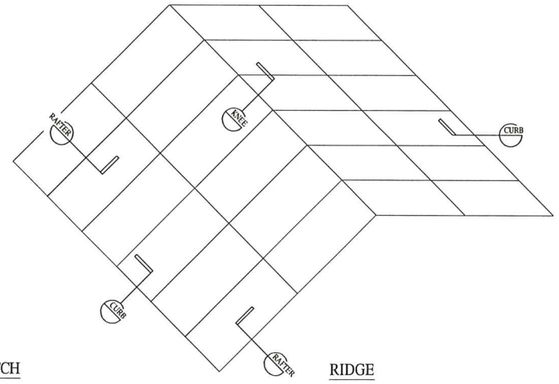
PYRAMID



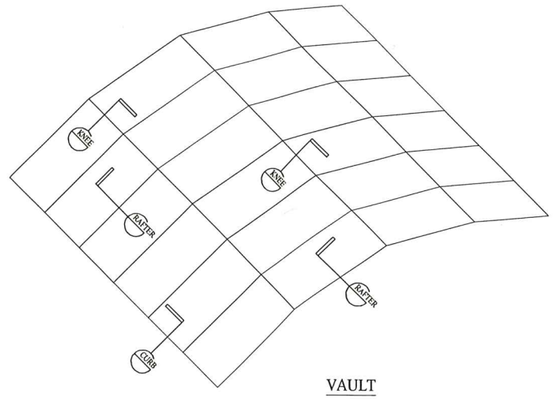
DOME



SINGLE PITCH



RIDGE



VAULT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-1203.02
Expiration Date 05/05/2029
By Miami Dade Product Control

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

REVISION
△1 PER SSKY 7/17/24 RN
△2 PER SSPE 11/21/24 RN

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

ARCHITECT

CONTRACTOR

TITLE
COMPONENTS & MATERIALS SPECIFICATIONS SHEET

MIAMI-DADE COUNTY

MICHAEL P. RYER LICENSE No. 50548 STATE OF FLORIDA PROFESSIONAL ENGINEER

This document has been electronically signed and sealed by Michael P. Ryer, PE, on the date shown on the time stamp using a digital signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by Mike Ryer
DN: E=mryer@csd-eng.com, CN=Mike Ryer, OU=Engineering, O="Computerized Structural Design, S.C.", L=Milwaukee, S=Wisconsin, C=US
Reason: I am approving this document
Contact Info: Michael P Ryer
Date: 2024.11.26 10:30:11-06'00'

ENGINEER STAMP

MICHAEL P. RYER LICENSE No. 50548 STATE OF FLORIDA PROFESSIONAL ENGINEER
11-26-24

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

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| NONE | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M1-SML
OF 7

# 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 |
|---|---|---|
| 450RT2 | 450 RAFTER TUBE 2 WIDE | 6005A-T5 |
| 600RT2 | 600 RAFTER TUBE 2 WIDE | 6005A-T5 |
| 2C | 2 CAP | 6063-T5 |
| 2CR | 2 CAP RETAINER | 6005A-T5 |
| 450HT12 | 450 HIP TUBE 12^-55 | 6005A-T5 |
| HC12I | HIP CAP 12^-55 INS. | 6063-T5 |
| HCR12I | HIP CAP RETAINER 12^-55 INS. | 6005A-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:

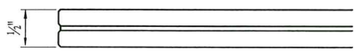
C1. 215AE CLEAR ANODIZED

## D GLASS:

GLASS SHALL BE SUPPLIED AS FOLLOWS:

D1. 9/16" LAMINATED GLASS CONSISTING OF:

- ¼" CLEAR TEMPERED
- .060" CLEAR PVB
- ¼" CLEAR TEMPERED




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

## M RIGID PVC FILLER BARS:

ALL FILLER BARS TO BE RIGID PVC #820 WITH .095" 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)

MIAMI-DADE COUNTY

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 24-1203.02
Expiration Date 04/04/2029
By Miami Dade Product Control

ENGINEER STAMP

MICHAEL P. RYER
LICENSE
No. 50548
STATE OF FLORIDA
PROFESSIONAL ENGINEER
1-26-24

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

SUPER SKY

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

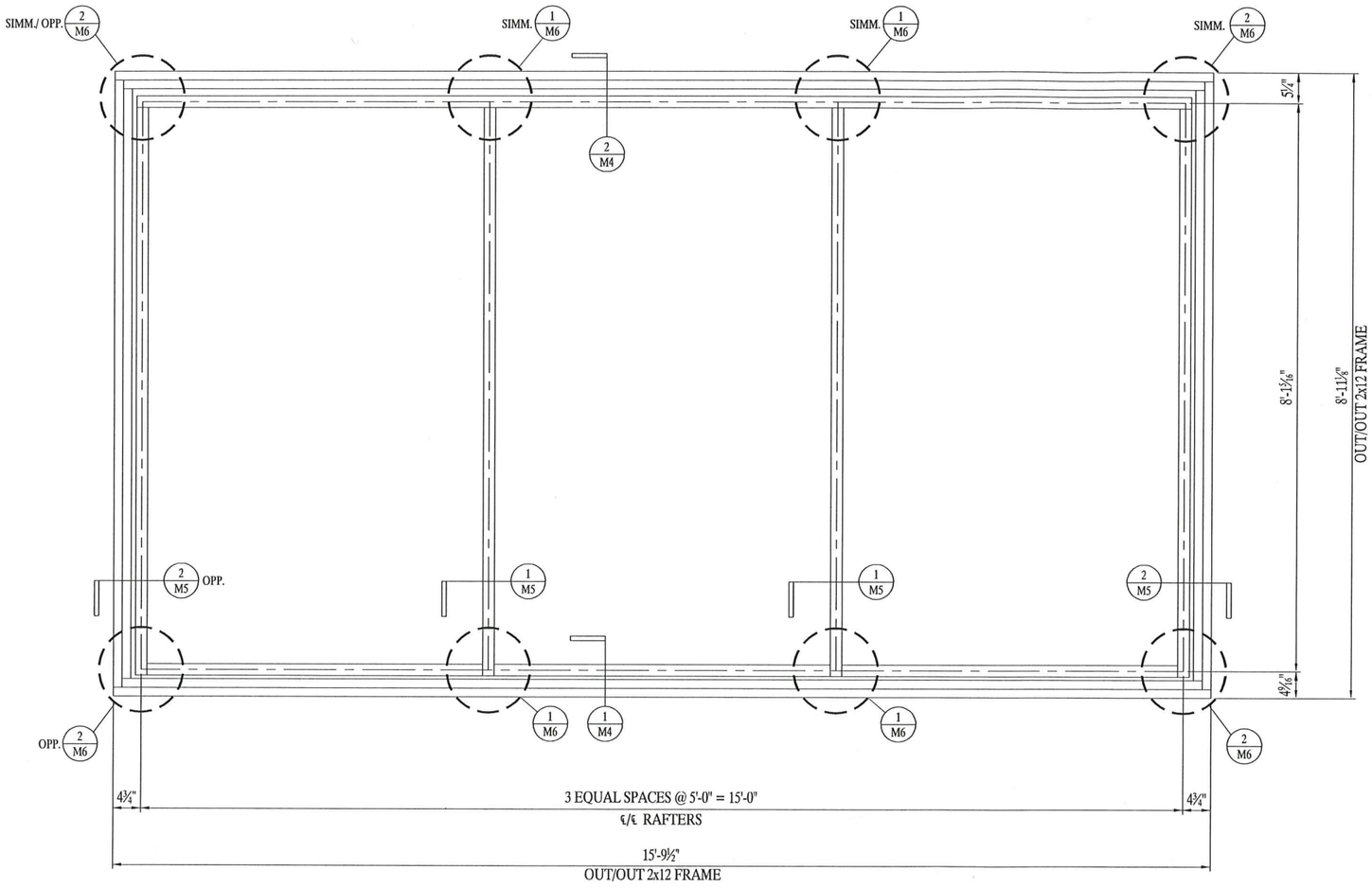
ARCHITECT

CONTRACTOR

TITLE
COMPONENTS & MATERIALS SPECIFICATIONS SHEET

| DRAWN BY | DATE |
|---|---|
| RJN | 12/10/21 |
| SCALE | APPROVAL |
| NONE | RJN |
| PROJECT NO. | |
| 20210221 | |

M2-SML




1/M3 ELEVATION (2 REQ'D)

SCALE: 1" = 1'-0"

MIAMI-DADE COUNTY

PRODUCT REVISED
as complying with the Florida
Building Code
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Expiration Date 05/08/2029
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ENGINEER STAMP

MICHAEL P. RYER
LICENSE
No. 50548
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11-26-24

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

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

ARCHITECT

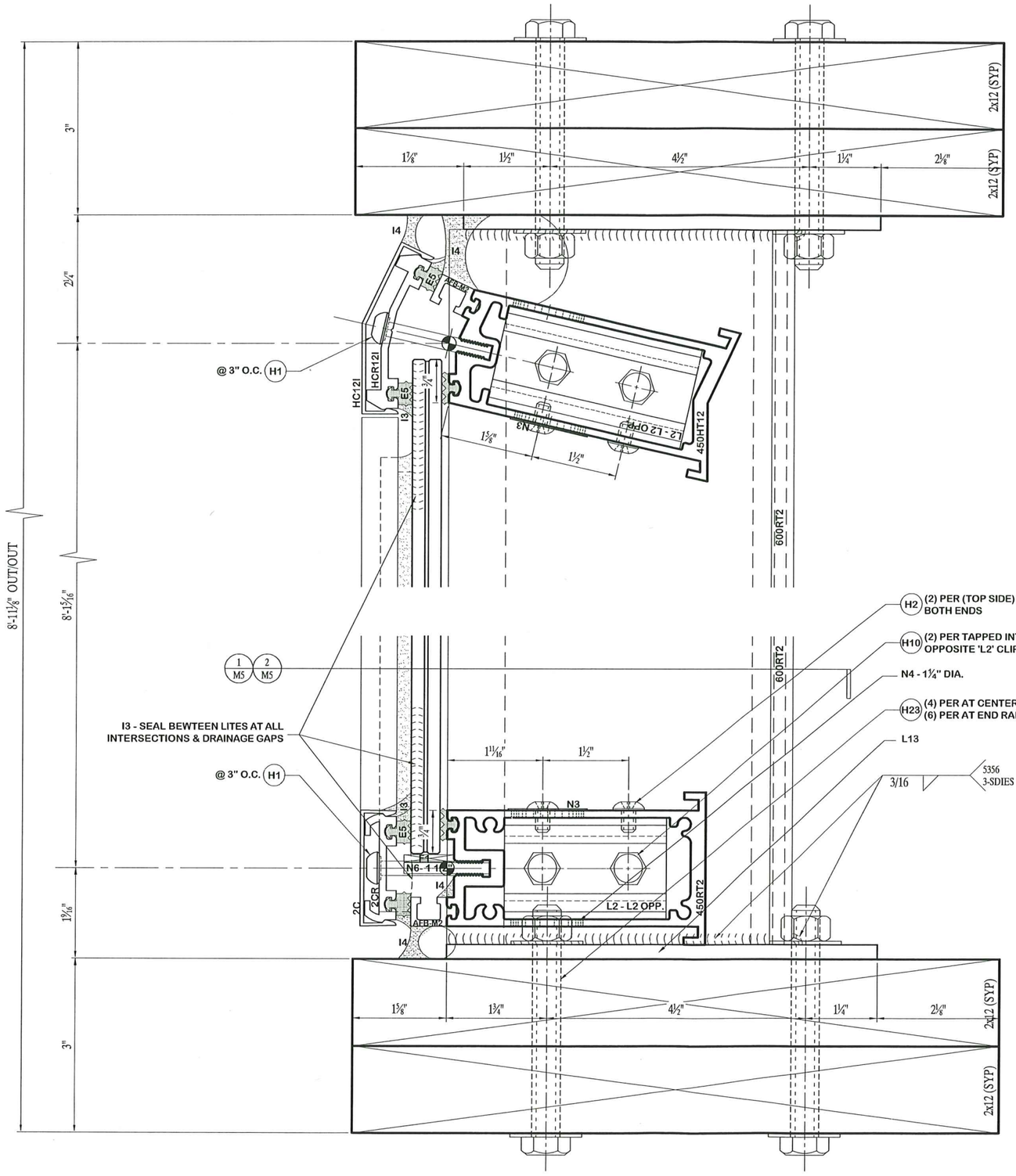
CONTRACTOR

TITLE
ELEVATION

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| 1"=1'-0" | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M3-SML

## 2 / M4 HEAD SECTION
SCALE: FULL




## 1 / M4 SILL SECTION
SCALE: FULL

SUPER SKY

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

ARCHITECT

CONTRACTOR

TITLE
HEAD AND SILL SECTIONS

MIAMI-DADE COUNTY

PRODUCT REVISED
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Expiration Date 08/08/2029
By
Miami Dade Product Control

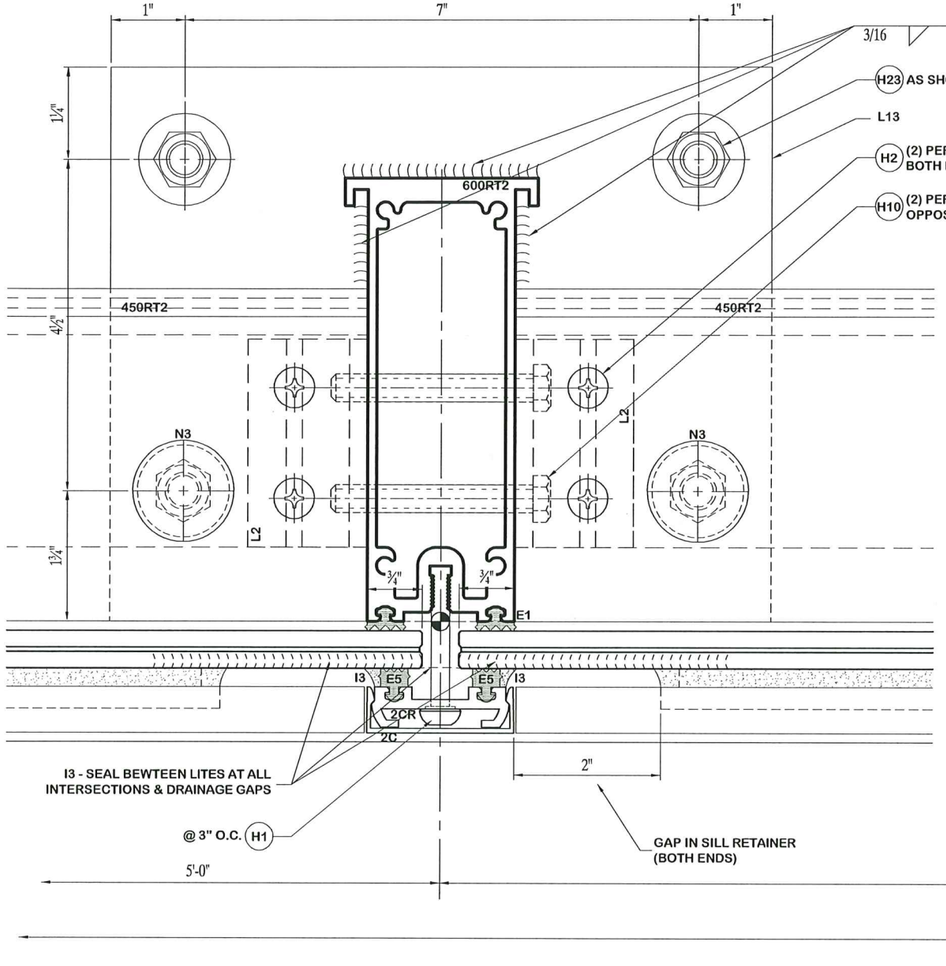
ENGINEER STAMP

MICHAEL P. RYER
LICENSE
No. 50548
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11-26-24

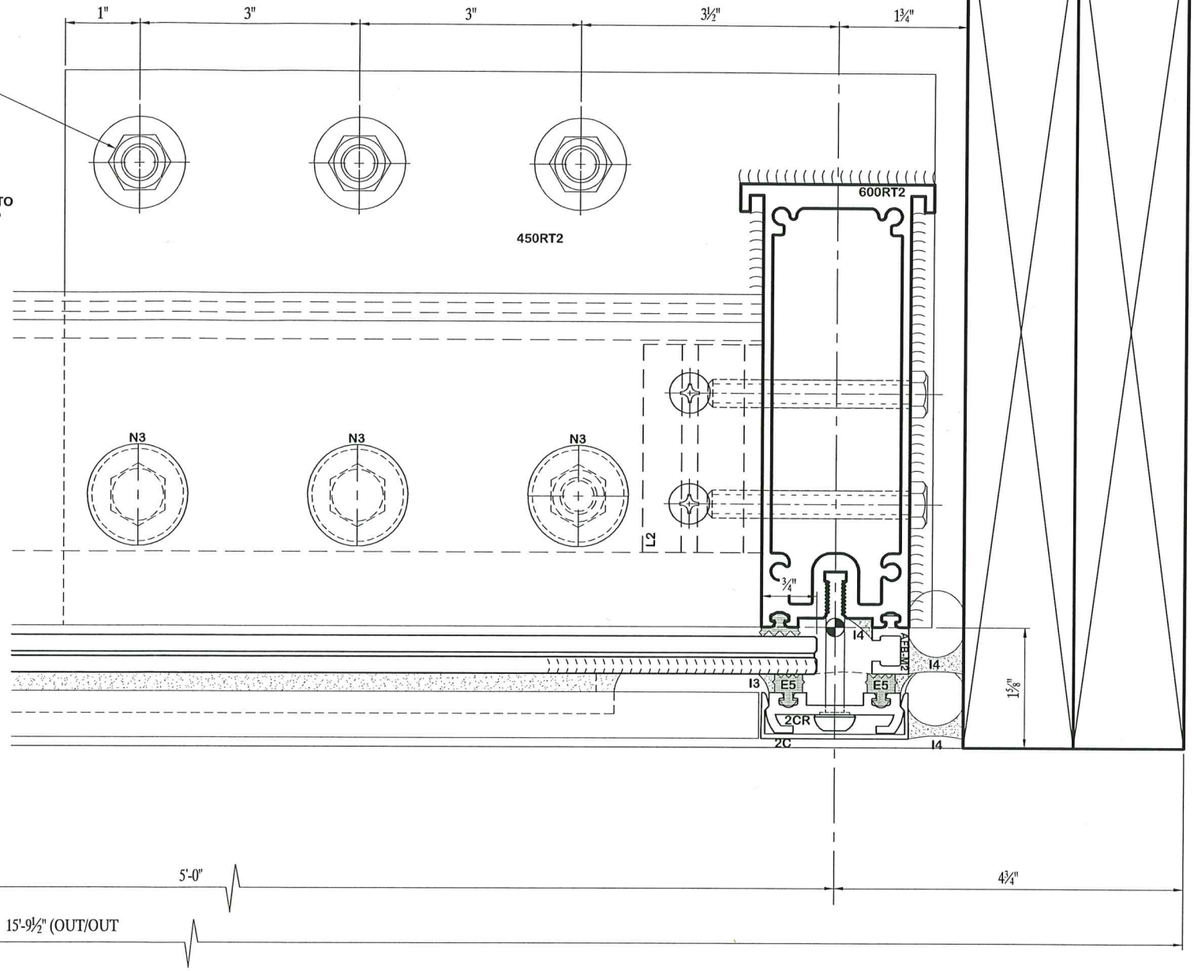
COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217 EB-0001982
MICHAEL P. RYER
P.E. #50548

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M4-SML




1 M5 RAFTER SECTION
SCALE: FULL




2 M5 RAFTER SECTION
SCALE: FULL

MIAMI-DADE COUNTY

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ENGINEER STAMP

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11-26-24

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SUPER SKY

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

ARCHITECT

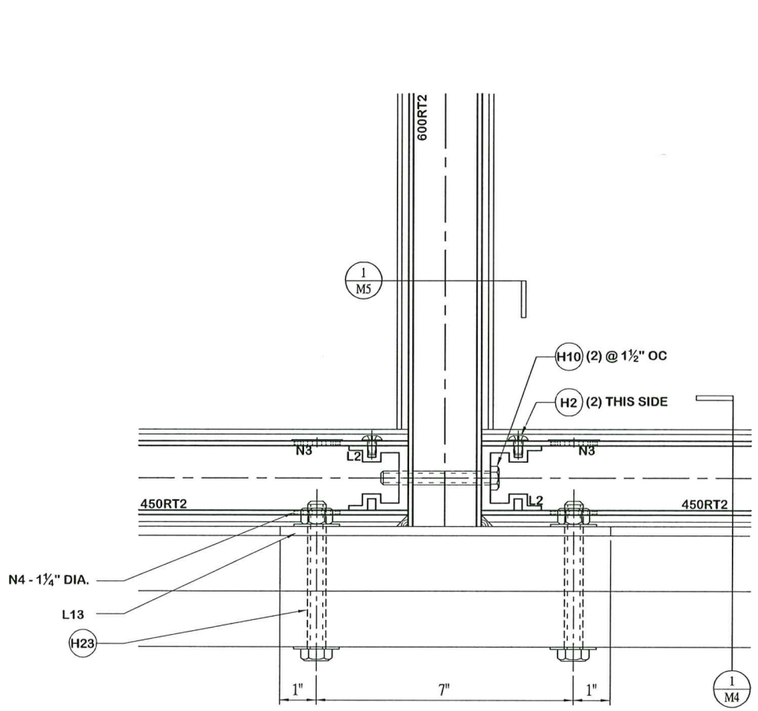
CONTRACTOR

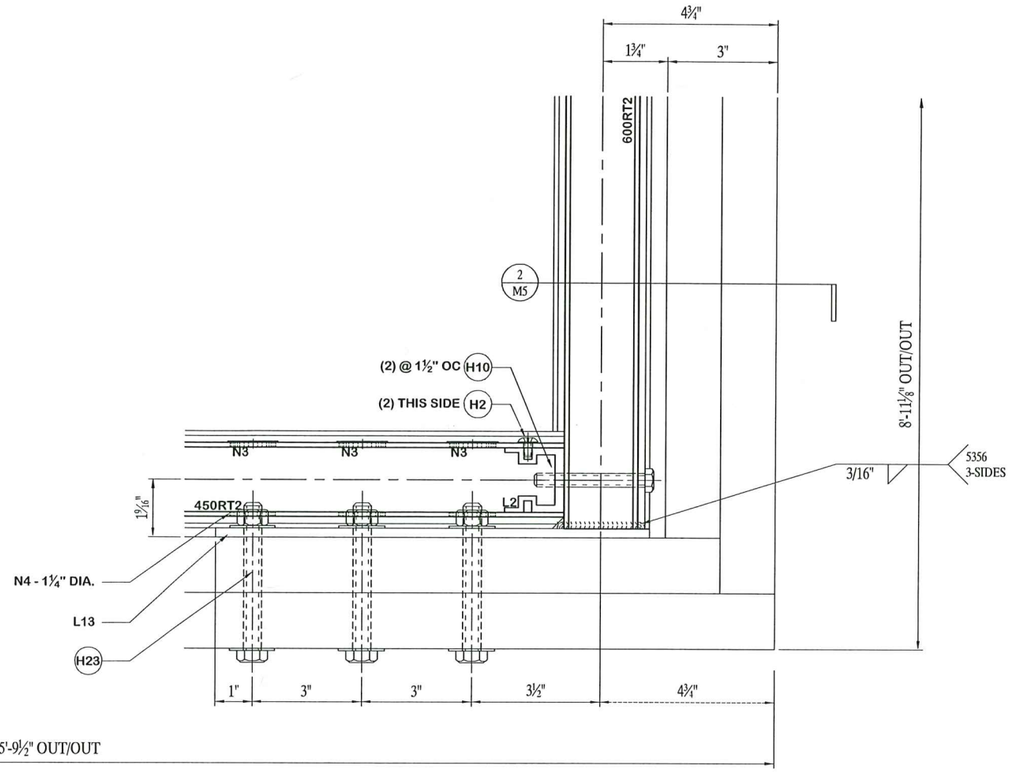
TITLE
VERTICAL RAFTER AND END RAFTER SECTIONS

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M5-SML

OF 7




1 M6 CONNECTION DETAIL
SCALE: HALF

2 M6 CONNECTION DETAIL
SCALE: HALF

MIAMI-DADE COUNTY

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Miami Dade Product Control

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11-26-24

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SUPER SKY

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

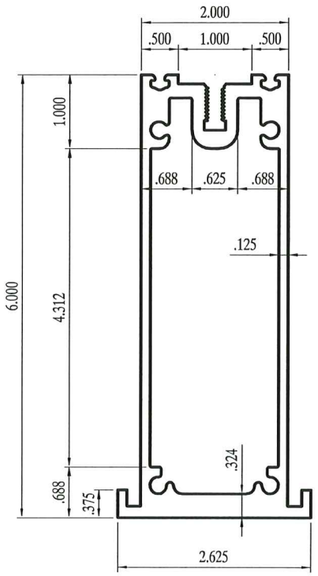
ARCHITECT

CONTRACTOR

TITLE
CONNECTION DETAILS

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M6-SML

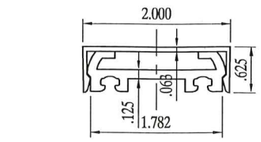



SUMMARY OF PROPERTIES

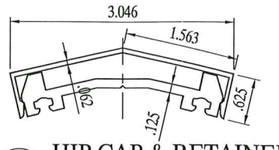
| | |
|---|---|
| Centre of Mass | [1.31252, 3.04838, 0] |
| Surface Area | 3.25237 inch **2 |
| Moment about X axis | 1.98402 inch **4 |
| Moment about Y axis | 16.8859 inch **4 |
| Polar Moment | 18.8699 inch **4 |
| Principal Axes Rotation Angle = 90°-0' | |
| Radii of Gyration: | |
| Polar | 2.40871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

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

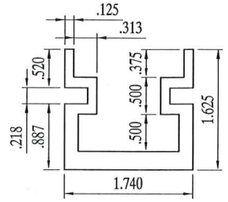
## 600 RAFTER TUBE
FULL SCALE




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




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

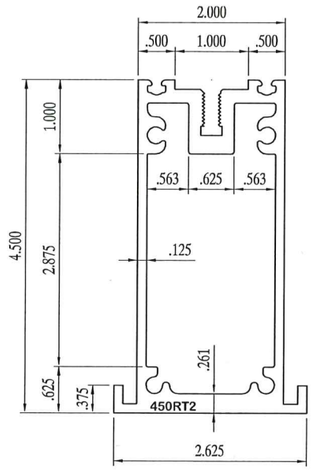



SUMMARY OF PROPERTIES

| | |
|---|---|
| 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: 6005A-T5

## CHANNEL CLIP
FULL SCALE

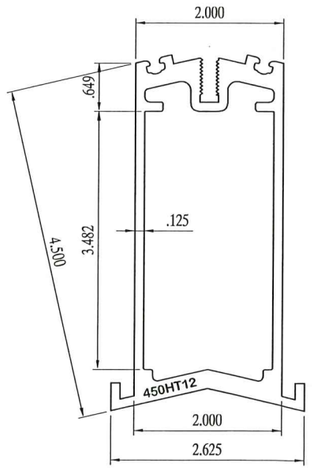



SUMMARY OF PROPERTIES

| | |
|---|---|
| Centre of Mass | [1.3125, 2.22056, 0] |
| Surface Area | 2.59063 inch **2 |
| Moment about X axis | 1.54514 inch **4 |
| Moment about Y axis | 7.29628 inch **4 |
| Polar Moment | 8.84142 inch **4 |
| Principal Axes Rotation Angle = 90°-0' | |
| Radii of Gyration: | |
| Polar | 1.84739 inch |
| X axis | 0.77229 inch |
| Y axis | 1.67822 inch |

Weight Per Linear Foot: 3.03104 lbs
Aluminum Alloy: 6005A-T5

## 450 RAFTER TUBE
FULL SCALE

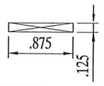



SUMMARY OF PROPERTIES

| | |
|---|---|
| Centre of Mass | [1.3125, 2.38154, 0] |
| Surface Area | 2.42468 inch **2 |
| Moment about X axis | 1.52322 inch **4 |
| Moment about Y axis | 7.52504 inch **4 |
| Polar Moment | 9.04826 inch **4 |
| Principal Axes Rotation Angle = 90°-0' | |
| Radii of Gyration: | |
| Polar | 1.93177 inch |
| X axis | 0.79260 inch |
| Y axis | 1.76168 inch |

Weight Per Linear Foot: 2.83688 lbs
Aluminum Alloy: 6005A-T5

## 350 HIP TUBE 12°-55'
FULL SCALE




TYPE II SILICONE RUBBER

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

## 1/8" x 7/8" 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


Aluminum Alloy: 6005A-T5

## 1/2" x 5/8" RIGID FILLER BAR
FULL SCALE

MIAMI-DADE COUNTY

ISED
...ing with the Florida
Building Code
Acceptance No. 24-1203.02
Expiration Date 08/08/2029
By
Miami Dade Product Control

ENGINEER STAMP

MICHAEL P. RYER
LICENSE
No. 50548
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
11-26-24

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

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

REVISION

PROJECT
SUPER STORM HVHZ IMPACT RESISTANT SKYLIGHT SYSTEM

ARCHITECT

CONTRACTOR

TITLE
CONNECTION DETAILS

| DRAWN BY | DATE |
|---|---|
| RN | 12/10/21 |
| SCALE | APPROVAL |
| FULL | (RJN) |
| PROJECT NO. | |
| 20210221 | |

M7-SML