



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**

**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 FAX (305) 375-2908**

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**Super Sky Products, Inc.**  
**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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 – Large and Small Missile**

**APPROVAL DOCUMENT:** 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 bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**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 # 02-1009.05** 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.**



*Helmy A. Makar*  
 07/06/2006

**NOA No 05-1208.05**  
**Expiration Date: 11/18/2007**  
**Approval Date: 07/06/2006**  
**Page 1**

**Super Sky Products, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 99-0610.02**

**A. DRAWINGS**

1. *Drawing No. 960209, titled "Super Sky's Standard Tubular Skylight System", prepared by David S. Barron, P.E., last revised on March 3, 1999, sheets B, B1, B1A, B2, B2A, B3, and B4 of 7, signed and sealed by David S. Barron, P.E.*

**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.*

**C. CALCULATIONS**

1. *Calculation titled "Super Sky Products, Inc. Product Approval Mock-up Testing, PA 201-94, PA 202-94 & PA 203-94, Large Missile Test", dated march 7, 1998, revised April 3, 1999, pages 1 through 19 of 19, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E.*

**D. MATERIAL CERTIFICATIONS**

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

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 02-1009.05**

**A. DRAWINGS**

1. *Drawing No. 960209, titled " Super Sky's Standard Tubular Skylight Glazing System ", sheets B, B1, B1A, B2, B2A, B3, and B4 of 7, prepared by David S. Barron, P.E., last revision #6 dated November 14, 2002 signed and sealed by David S. Barron, P.E.*

**B. TESTS**

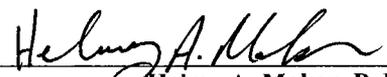
1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. MATERIAL CERTIFICATIONS**

1. *None.*



Helmy A. Makar, P. E.  
Product Control Examiner  
NOA No 05-1208.05  
Expiration Date: 11/18/2007  
Approval Date: 07/06/2006

**Super Sky Products, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. NEW 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 Nos. 0161-0409-05 & 0161-1023-04, dated September 13, 2005, signed and sealed by Vinu J. Abraham, P.E.*

**C. CALCULATIONS**

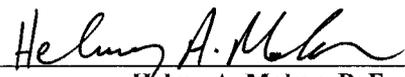
1. *Calculation titled "Super Sky Products, Inc. Mock-up-Dade County Product Approval TAS-201, TAS-202, TAS-203, Large Missile Test", dated November 11, 2005, sheets 1 through 21 of 21, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E.*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. *None.*

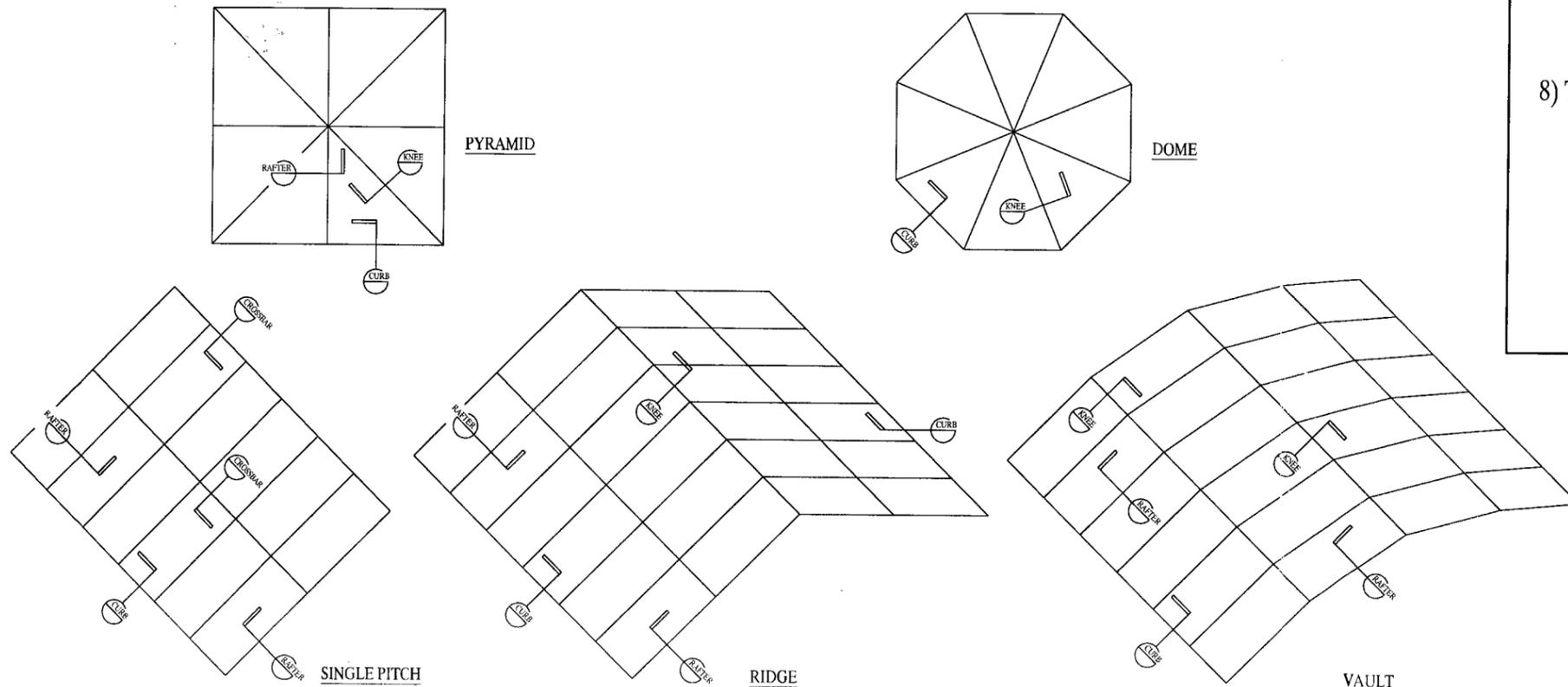


Helmy A. Makar, P. E.  
Product Control Examiner  
NOA No 05-1208.05  
Expiration Date: 11/18/2007  
Approval Date: 07/06/2006

**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 SECTION 2003.8.4.2 OF THE FLORIDA BUILDING CODE.
- 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.



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

CURRENT NOA # 02-1009.05  
LARGE MISSILE

REVISION  
NEW GLASS TYPE 01/07/05 JB  
REVISION TO CURRENT NOA 02-1009.05  
EXP. 12-24-07

PROJECT  
MOCK-UP -  
DADE COUNTY  
PRODUCT APPROVAL

DADE COUNTY, FL  
ENGINEER  
DAVID S. BARRON

MEQUON, WI  
TEST LABORATORY  
HURRICANE TEST LAB

RIVIERA BEACH, FL

DADE COUNTY USE

ENGINEER STAMP

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 05-1208-05  
Expiration Date 11/18/2007  
By: *Halima A. Mahr*  
Miami Dade Product Control  
Division

*David S. Barron*  
11-15-05

DATE  
DRAWN BY: JB 01/07/05  
APPROVAL  
SCALE: 1 (DP)

PROJECT NO. 2002-0246

DAVID S. BARRON  
21 DARTMOUTH DRIVE  
GREENSBURG, PA 15601  
LICENCE #36374

GLASS AREA: 27520  
CUD FILE NAME: 20020246A\_1-7-05\_-D1

**A1**  
OF 4



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

REVISION

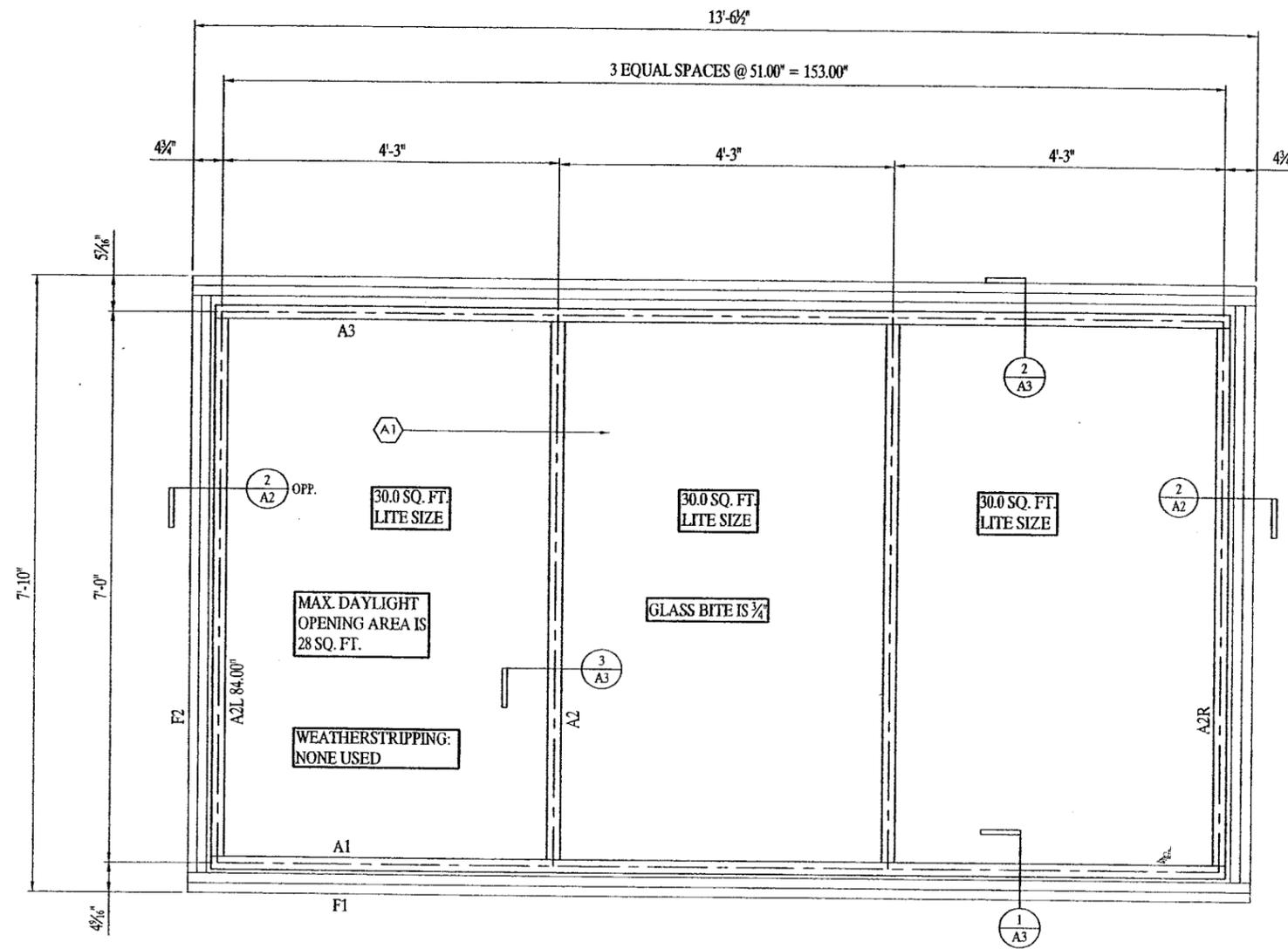
PROJECT  
 MOCK-UP -  
 DADE COUNTY  
 PRODUCT APPROVAL  
 DADE COUNTY, FL  
 ENGINEER  
 DAVID S. BARRON

MEQUON, WI  
 TEST LABORATORY

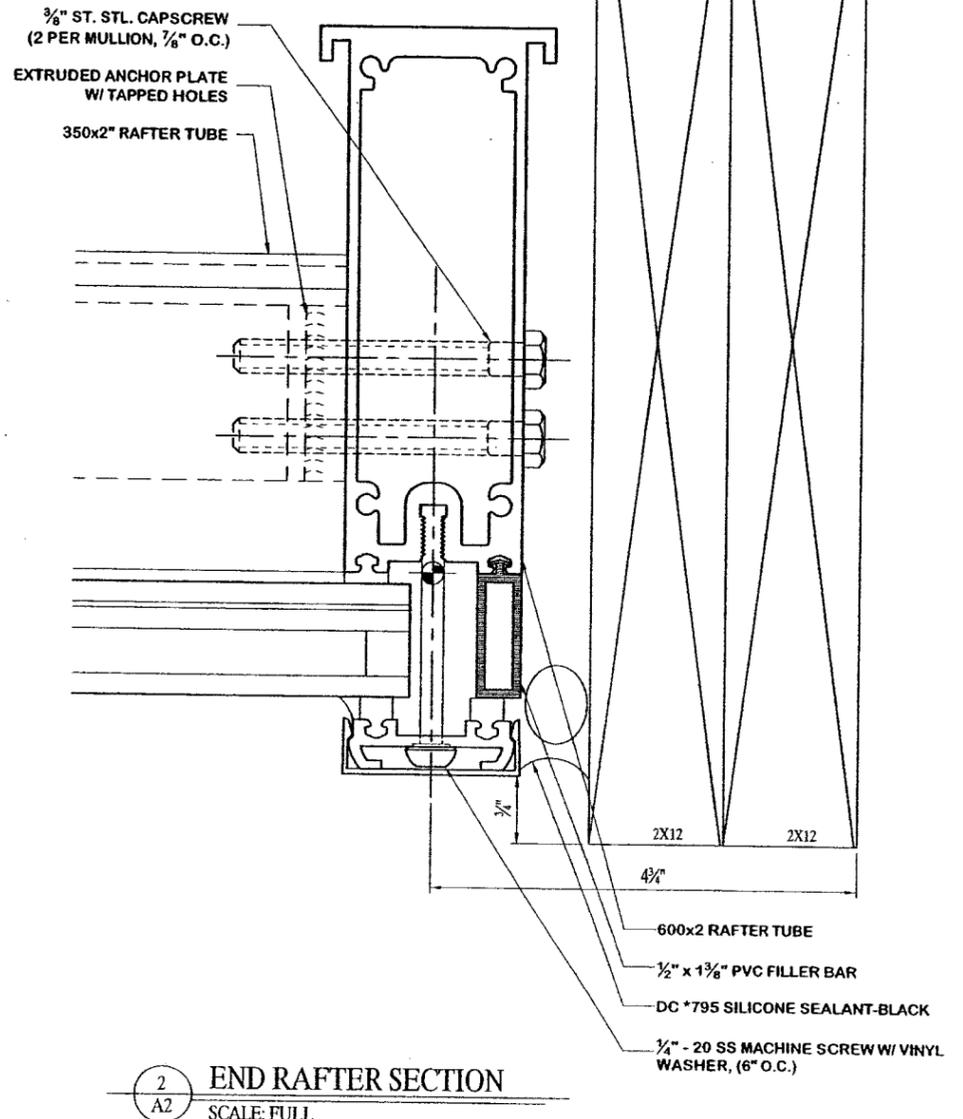
RIVIERA BEACH, FL  
 TITLE  
 ELEVATION  
 END RAFTER SECTION

DATE	01/07/05
APPROVAL	1 (DP)
PROJECT NO.	2002-0246

**A2**  
 OF 4



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



DADE COUNTY USE	ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-1208.05 Expiration Date 11/18/2007 By Helmut A. Meier Miami Trade Products Control Division	David S. Barron 11-15-05

DAVID S. BARRON  
 21 DARTMOUTH DRIVE  
 GREENSBURG, PA 15601  
 LICENCE #36374

CAD FILE NAME  
 20020246A\_1-7-05\_-D1.dwg



SUPER SKY PRODUCTS, INC.

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

REVISION

PROJECT  
MOCK-UP -  
DADE COUNTY  
PRODUCT APPROVAL

DADE COUNTY, FL  
ENGINEER  
DAVID S. BARRON

MEQUON, WI  
TEST LABORATORY

RIVIERA BEACH, FL  
TITLE  
KNEE, SILL,  
AND RAFTER SECTIONS

DADE COUNTY USE	ENGINEER STAMP
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <b>05-1208.05</b> Expiration Date: <b>11/18/2007</b>	<i>David S. Barron</i> 11-15-05
By: <i>Helmut Altmann</i> Miami Dade Product Control Division	

DAVID S. BARRON  
21 DARTMOUTH DRIVE  
GREENSBURG, PA 15601  
LICENCE #36374

CAD FILE NAME:  
20020246A\_1-7-05\_-D1.dwg

DATE  
06/29/04

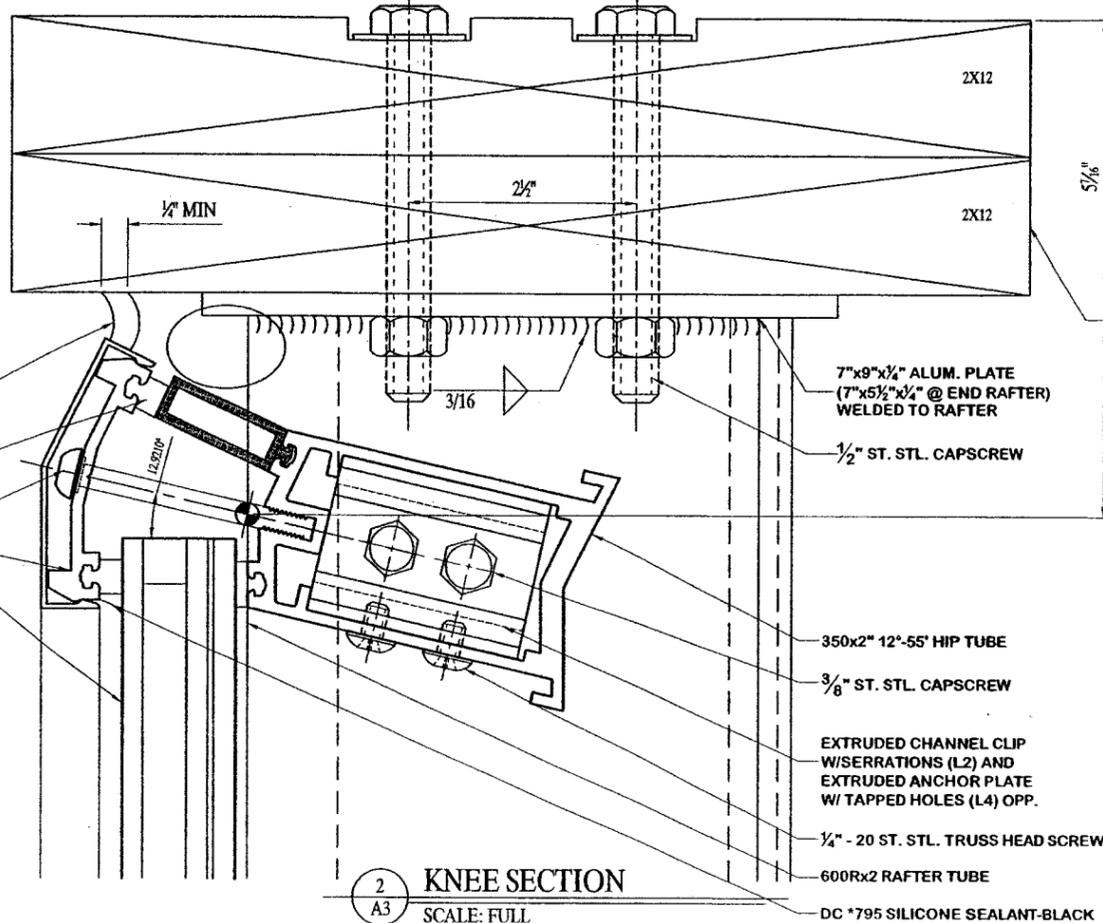
APPROVAL  
1 (DP)

2002-0246

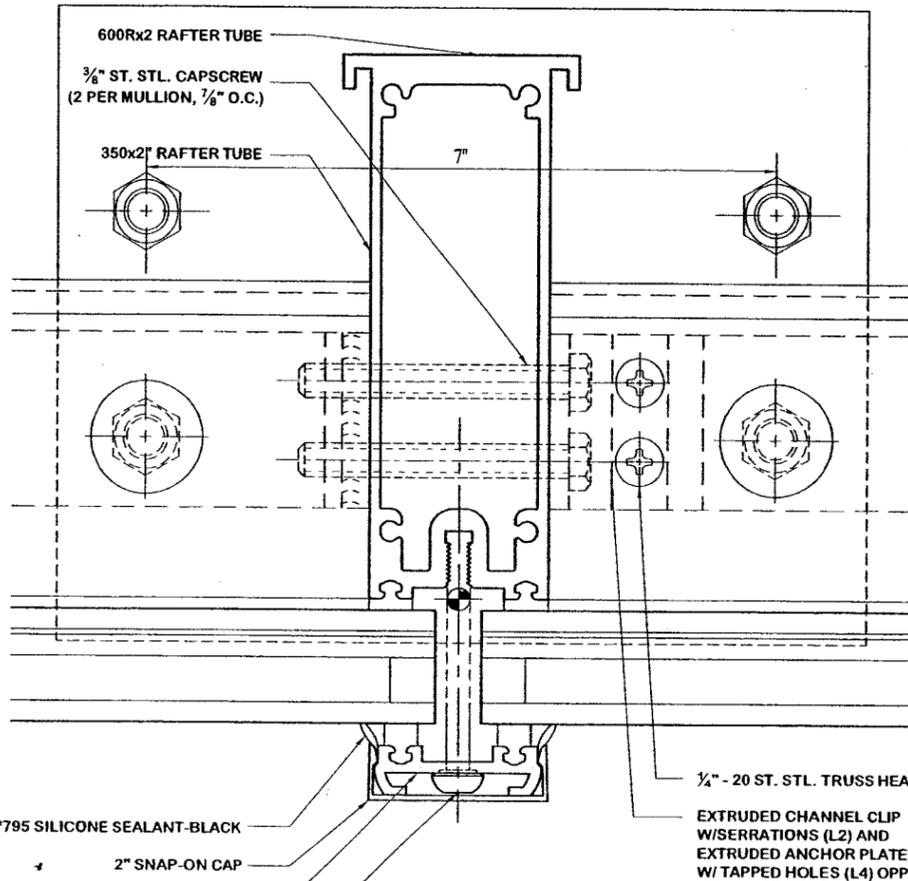
A3  
OF 4

SHOP NOTE  
COUNTERBORE WOOD  
SO BOLT HEADS DONT  
STICK OUT

- DC \*795 SILICONE SEALANT-BLACK W/ BACKER ROD
- 1/4" x 1/2" EPDM GLAZING STRIP
- 3/4" - 20 ST. STL. MACHINE SCREW W/ VINYL WASHER, (6" O.C.)
- 12"-55' HIP CAP AND RETAINER
- 1 1/16" LAMINATED GLASS

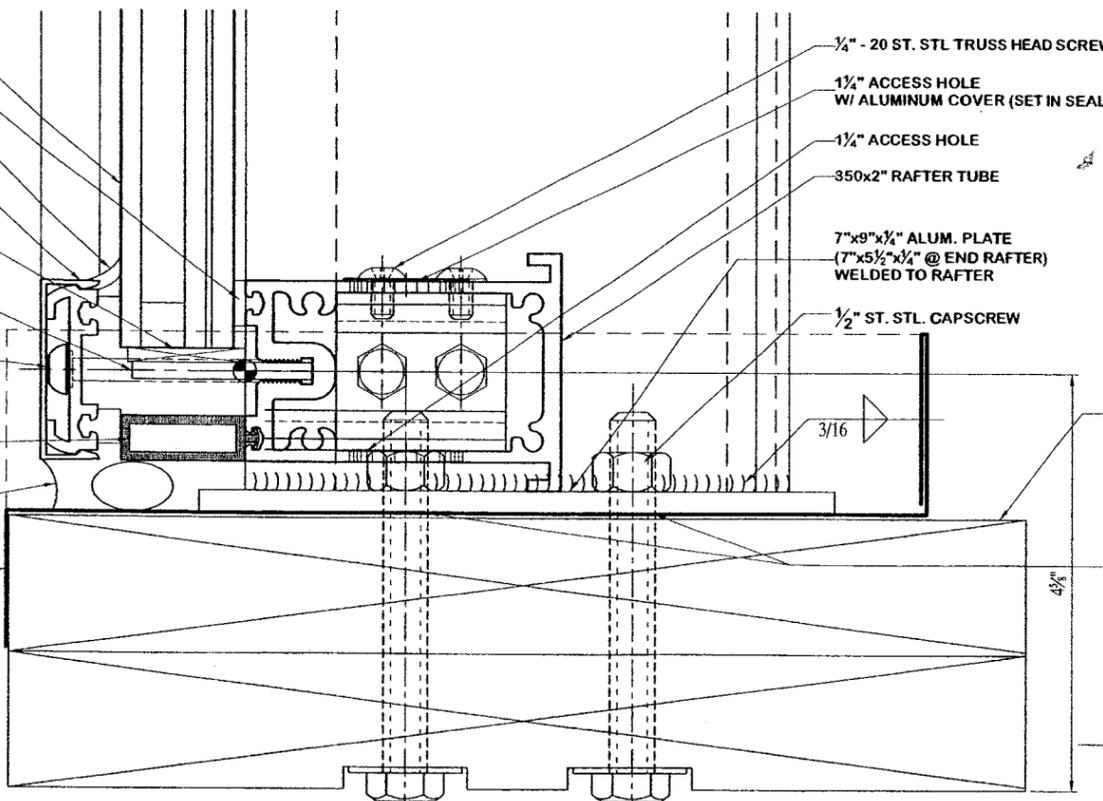


2 KNEE SECTION  
A3 SCALE: FULL



3 RAFTER SECTION  
A3 SCALE: FULL

- 1 1/16" LAMINATED GLASS
- 3/8" 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)
- 3/4" - 20 ST. STL. MACHINE SCREW W/ VINYL WASHER, (6" O.C.)
- 1/2" x 1 1/8" PVC FILLER BAR
- DC \*795 SILICONE SEALANT-BLACK W/ BACKER ROD
- .050" ALUM. FLASHING W/ WELDED ENDS (SET IN SEALANT)

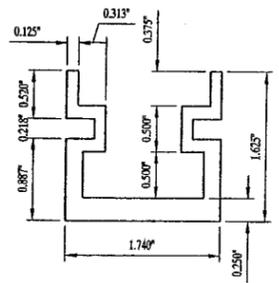


WOOD FRAME SUPPLIED BY SUPER SKY

ERECTION NOTE:  $\Delta$   
SEAL BOLT PENETRATIONS THROUGH FLASHING TO PREVENT ANY WATER FROM DRIPPING OUT OF SILL FLASHING.

1 CURB/SILL SECTION  
A3 SCALE: FULL

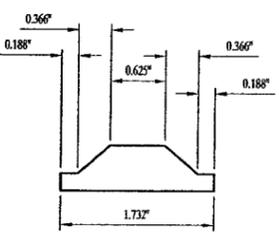
SHOP NOTE  
COUNTERBORE WOOD  
SO BOLT HEADS DONT  
STICK OUT



**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

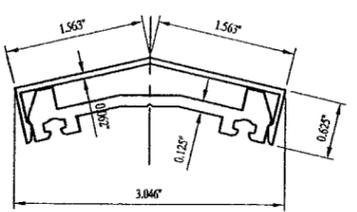
**CHANNEL CLIP**  
 SCALE: FULL



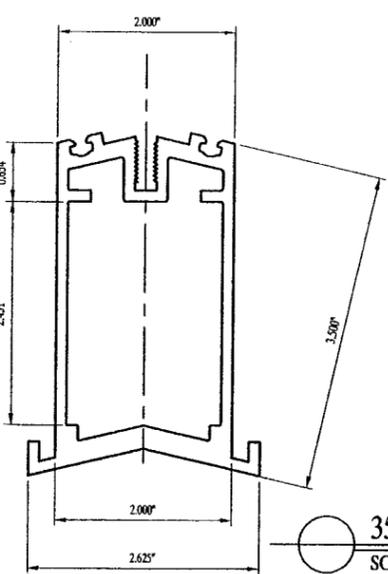
**SUMMARY OF PROPERTIES**  
 CENTRE OF MASS [0.866,0.206789,0]  
 SURFACE AREA 0.635642 INCH \*\*2  
 MOMENT ABOUT X AXIS 0.0118681 INCH \*\*4  
 MOMENT ABOUT Y AXIS 0.110198 INCH \*\*4  
 POLAR MOMENT 0.122066 INCH \*\*4  
 PRINCIPAL AXES ROTATION ANGLE = 0°-0°  
 RADII OF GYRATION:  
 POLAR 0.439218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



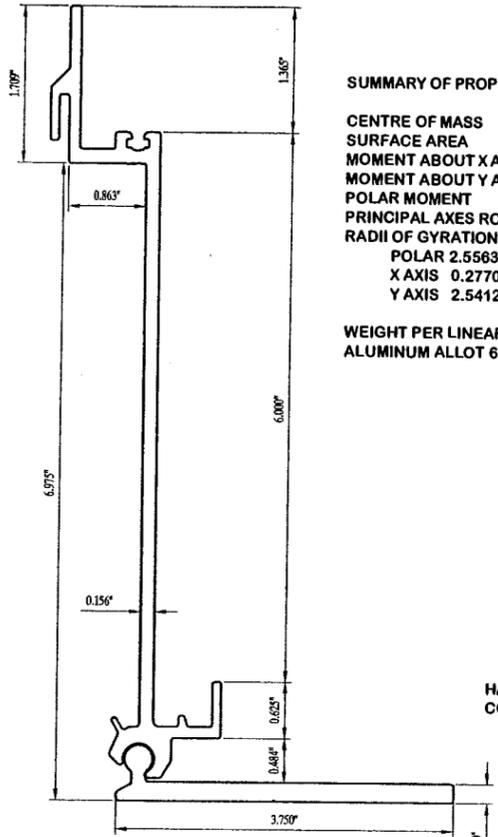
**HIP CAP & RETAINER**  
 SCALE: FULL



**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

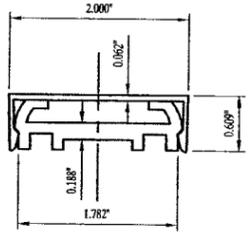
**350 HIP TUBE**  
 SCALE: FULL



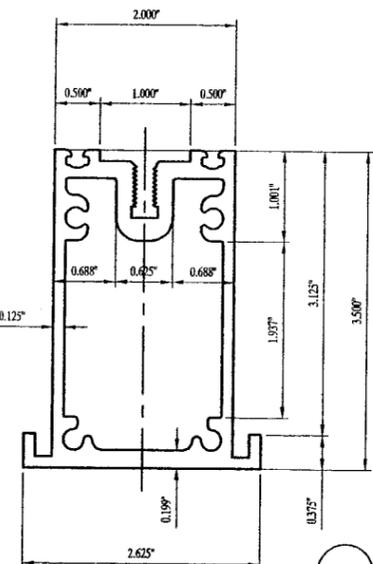
**SUMMARY OF PROPERTIES**  
 CENTRE OF MASS [-1.35908,0.607398,0]  
 SURFACE AREA 1.67688 INCH \*\*2  
 MOMENT ABOUT X AXIS 0.128744 INCH \*\*4  
 MOMENT ABOUT Y AXIS 10.8294 INCH \*\*4  
 POLAR MOMENT 10.9581 INCH \*\*4  
 PRINCIPAL AXES ROTATION ANGLE = 85°-23°  
 RADII OF GYRATION:  
 POLAR 2.55633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



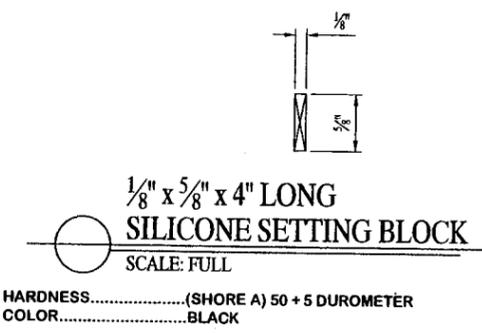
**RAFTER CAP & RETAINER**  
 SCALE: FULL



**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

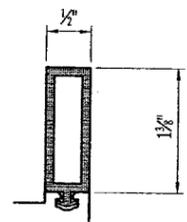
WEIGHT PER LINEAR FOOT 2.484413 LBS  
 ALUMINUM ALLOT 6005-T5

**350 RAFTER TUBE**  
 SCALE: FULL



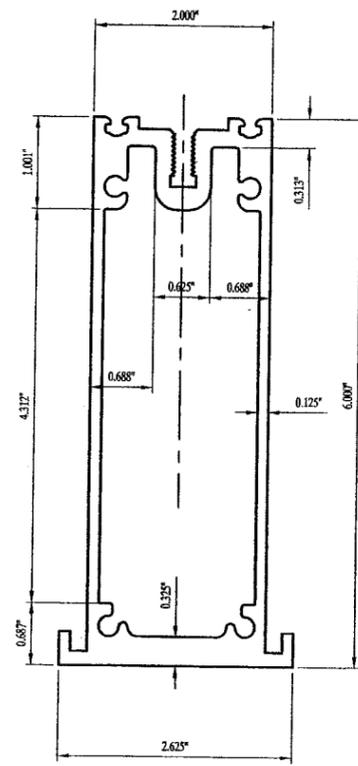
**1/8" x 5/8" x 4" LONG SILICONE SETTING BLOCK**  
 SCALE: FULL

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



**1/2" x 1 1/8" RIGID PVC FILLER BAR**  
 SCALE: FULL

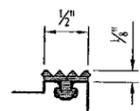
RIGID PVC #820 W/ .095" MIN WALL



**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

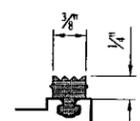
WEIGHT PER LINEAR FOOT 3.805273 LBS  
 ALUMINUM ALLOT 6005-T5

**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

**DADE COUNTY USE**  
 PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 05-1208-05  
 Expiration Date 11/18/2007  
 By *Helmut A. Hohen*  
 Miami Dade Product Control Division

**ENGINEER STAMP**

*David S. Barron*  
 11-15-05

DAVID S. BARRON  
 21 DARTMOUTH DRIVE  
 GREENSBURG, PA 15601  
 LICENCE #36374

CAD FILENAME:  
 20020246A\_1-7-05\_-D1.dwg

REVISION

PROJECT  
 MOCK-UP -  
 DADE COUNTY  
 PRODUCT APPROVAL  
 DADE COUNTY, FL  
 ENGINEER  
 DAVID S. BARRON

MEQUON, WI  
 TEST LABORATORY

RIVIERA BEACH, FL  
 TITLE  
 EXTRUSIONS

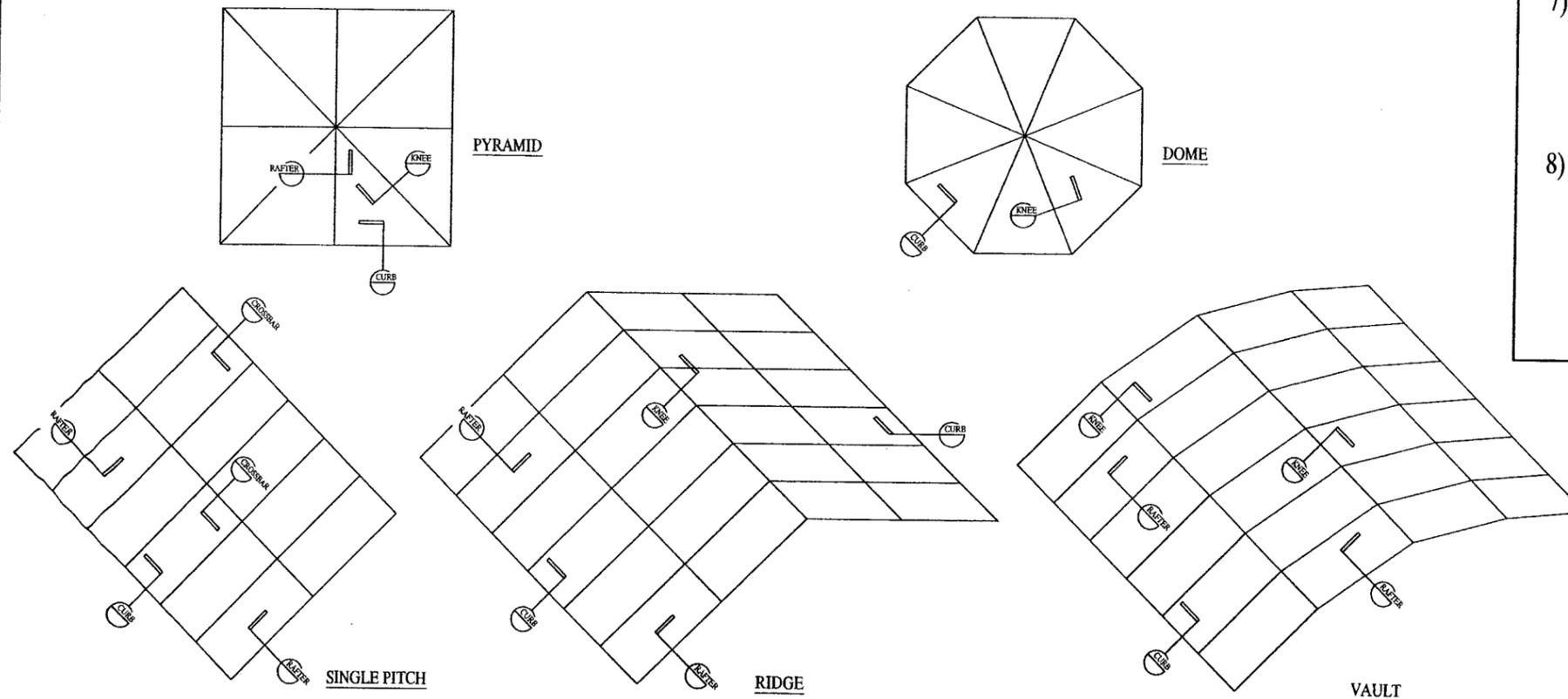
DRAWN BY  
 JB  
 DATE  
 06/29/04  
 SCALE  
 FULL  
 APPROVAL  
 1 (DP)  
 PROJECT NO.  
 2002-0246

**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 SECTION 2003.8.4.2 OF THE FLORIDA BUILDING CODE.
- 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.



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

CURRENT NOA #02-1009.05  
LARGE MISSILE

REVISION  
NEW GLASS TYPE 08/03/04 TK  
REVISION TO CURRENT NOA 02-1009.05  
EXP. 11-18-07

PROJECT  
MOCK-UP - DADE COUNTY PRODUCT APPROVAL  
DADE COUNTY, FL  
ENGINEER  
DAVID S. BARRON

MEQUON, WI  
TEST LABORATORY HURRICANE TEST LAB  
RIVIERA BEACH, FL

DADE COUNTY USE		ENGINEER STAMP	
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-1208-05 Expiration Date 11/18/2007 By: <i>Helmut A. Miller</i> Miami Dade Product Control Division		<i>David S. Barron</i> 11-15-05	
DAVID S. BARRON 21 DARTMOUTH DRIVE GREENSBURG, PA 15601 LICENSE #36374	GLASS DRAWING: 27232	CID FILE NAME: 20020246B-D1	PROJECT NO: 2002-0246
			<b>B1</b> OF 6



**SUPER SKY PRODUCTS, INC.**  
 10301 N. ENTERPRISE DR.  
 MEQUON, WISCONSIN 53092  
 262.242.2000

REVISION

PROJECT  
 MOCK-UP -  
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 DAVID S. BARRON

MEQUON, WI  
 TEST LABORATORY  
 RIVIERA BEACH, FL  
 TITLE  
 ELEVATION &  
 THRU SECTION

DADE COUNTY USE  
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 By Helmy A. M...  
 Miami Dade Product Control  
 Division

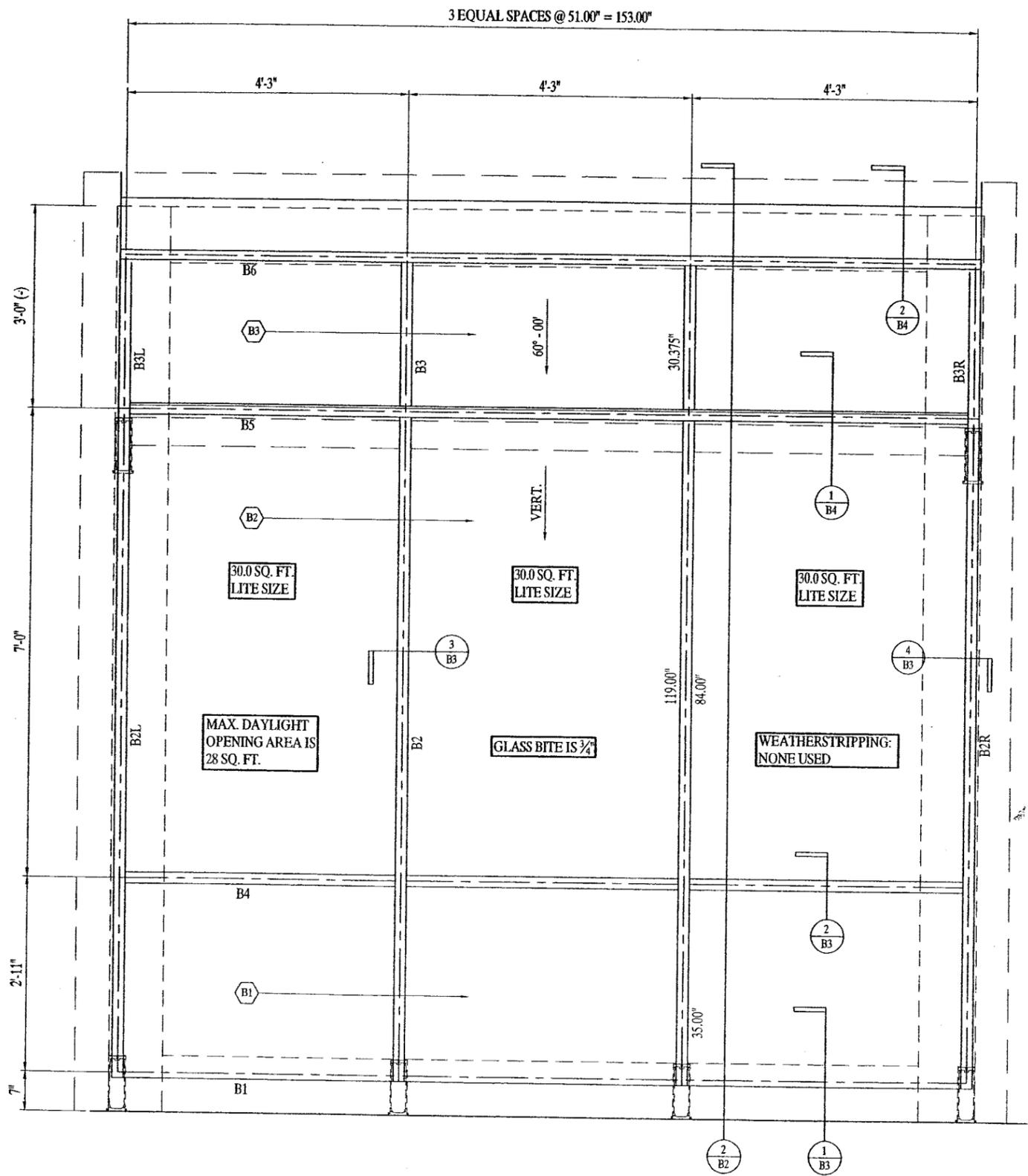
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*David S. Barron*  
 11-15-05

DRAWN BY: TK DATE: 06/29/04  
 SCALE: 1" = 1'-0" APPROVAL: 1 (DP)  
 PROJECT NO: 2002-0246

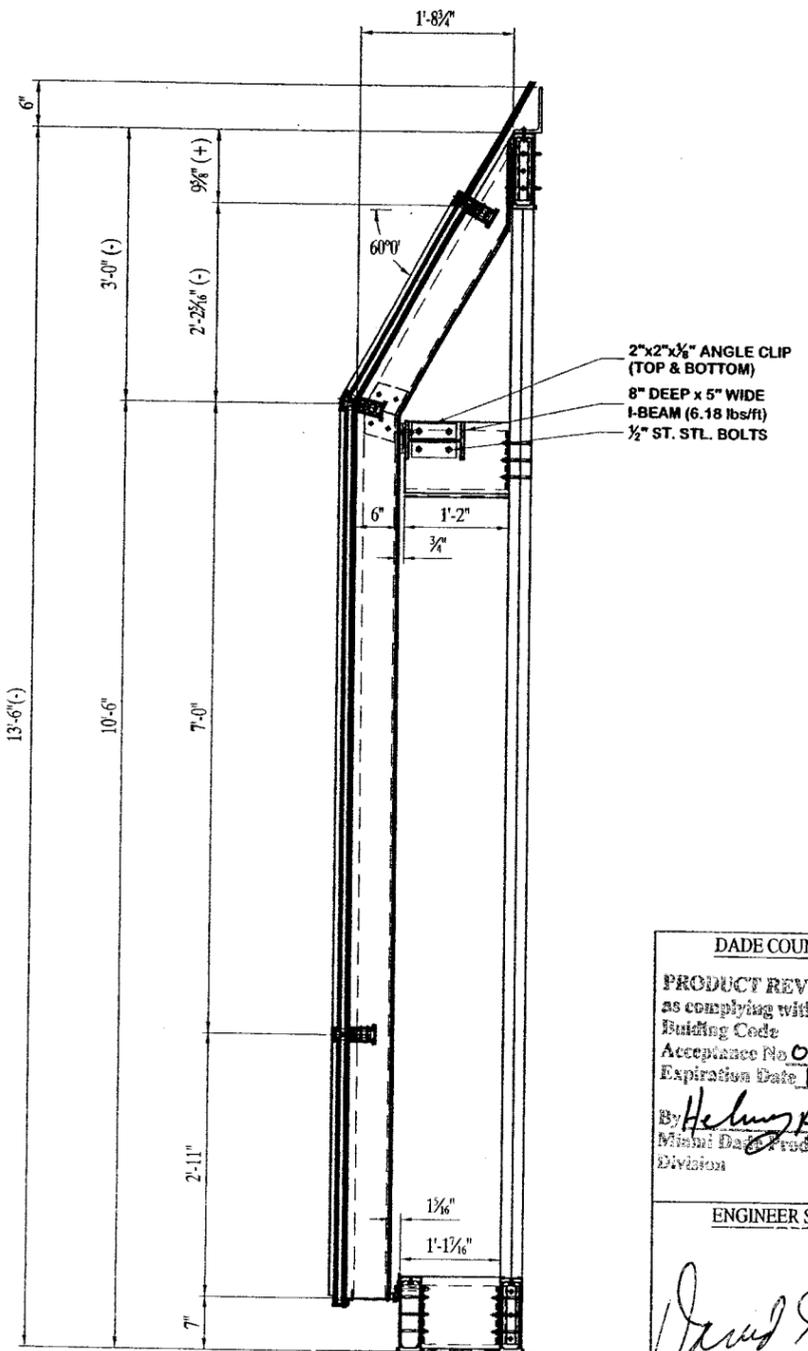
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 LICENCE #36374

CAD FILE NAME  
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**B2**  
 OF 6

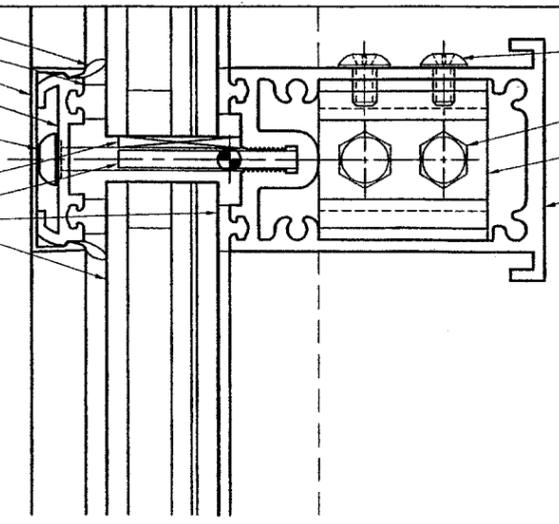


1 ELEVATION (1 REQ'D)  
 SCALE: 1" = 1'-0"



2 THRU SECTION  
 SCALE: 1" = 1'-0"

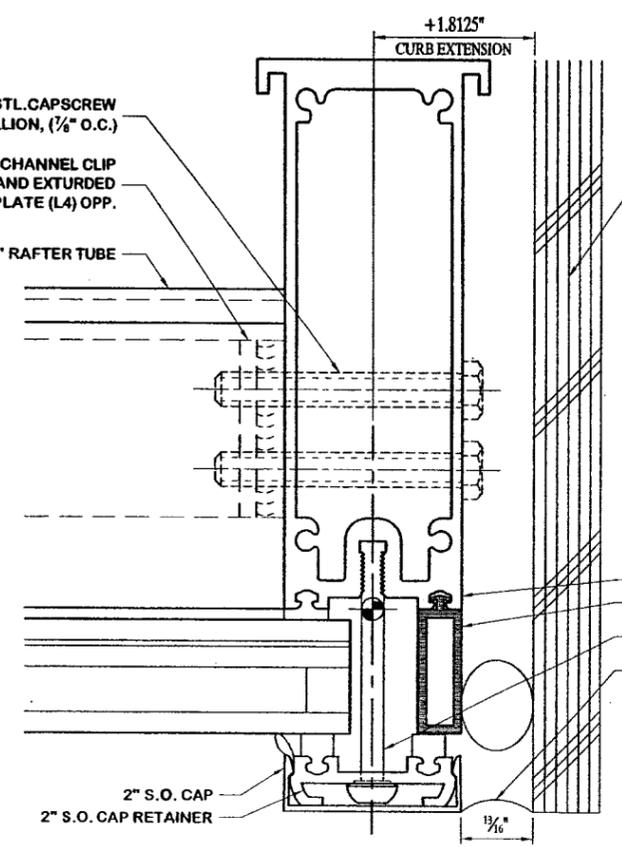
- DC #795 SILICONE SEALANT - BLACK
- 1/4"x3/8" EPDM GLAZING STRIP
- 2" S.O. CAP
- 2" S.O. CAP RETAINER
- 1/4" - 20 ST. STL. MACHINE SCREW W/VINYL WASHER, (6" O.C.)
- 1/8" THICK EXTRUDED SETTING BLOCK
- 3/16" ALUMINUM GLASS STOP - 4" LONG
- 1/8"x1/2" EPDM GLAZING STRIP
- 1/16" INSULATED GLASS



- 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

2 CROSSBAR SECTION  
B3 SCALE: FULL

- 3/8" ST. STL. CAPSCREW (2) PER MULLION, (1/2" O.C.)
- EXTRUDED CHANNEL CLIP W/SERRATIONS (L2) AND EXTRUDED ANCHOR PLATE (L4) OPP.
- 350x2" RAFTER TUBE

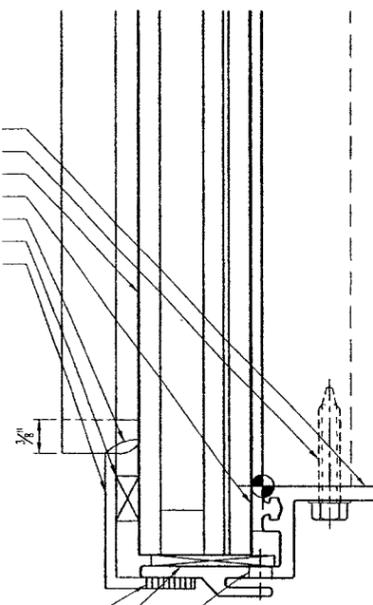


PLYWOOD SIDE CLOUSERS AND ATTACHMENTS BY TEST LAB

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

4 VERTICAL END RAFTER  
B3 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



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

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

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

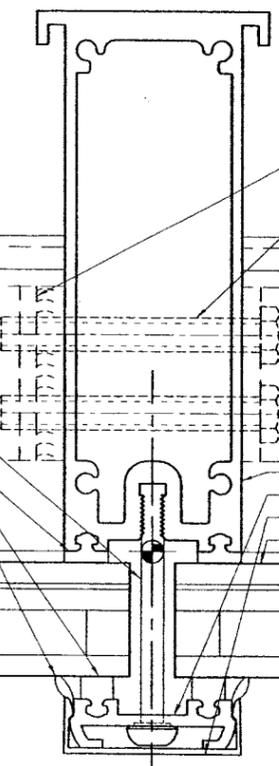
1 CURB/SILL SECTION  
B3 SCALE: FULL

EXTRUDED ANCHOR PLATE

- 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

3/8" DIA. ST. STL. FLATHEAD

1000T FRONT



- 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

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

3 VERTICAL RAFTER  
B3 SCALE: FULL

DAVID S. BARRON  
21 DARTMOUTH DRIVE  
GREENSBURG, PA 15601  
LICENCE #36374

DADE COUNTY USE

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Expiration Date 11/18/2007

By *Helmy A. Makhadmeh*

Miami Dade Product Control Division

ENGINEER STAMP

*David S. Barron*

11-15-05

SUPER SKY PRODUCTS, INC.  
18301 N. ENTERPRISE DR.  
MEQUON, WISCONSIN 53092  
262-242-2000

PROJECT  
MOCK-UP -  
DADE COUNTY  
PRODUCT APPROVAL  
DADE COUNTY, FL  
ENGINEER  
DAVID S. BARRON

MEQUON, WI  
TEST LABORATORY  
RIVIERA BEACH, FL  
TITLE  
SECTION  
DETAILS

DRAWN BY TK	DATE 06/29/04
SCALE FULL	APPROVAL 1 (DP)
PROJECT NO. 2002-0246	

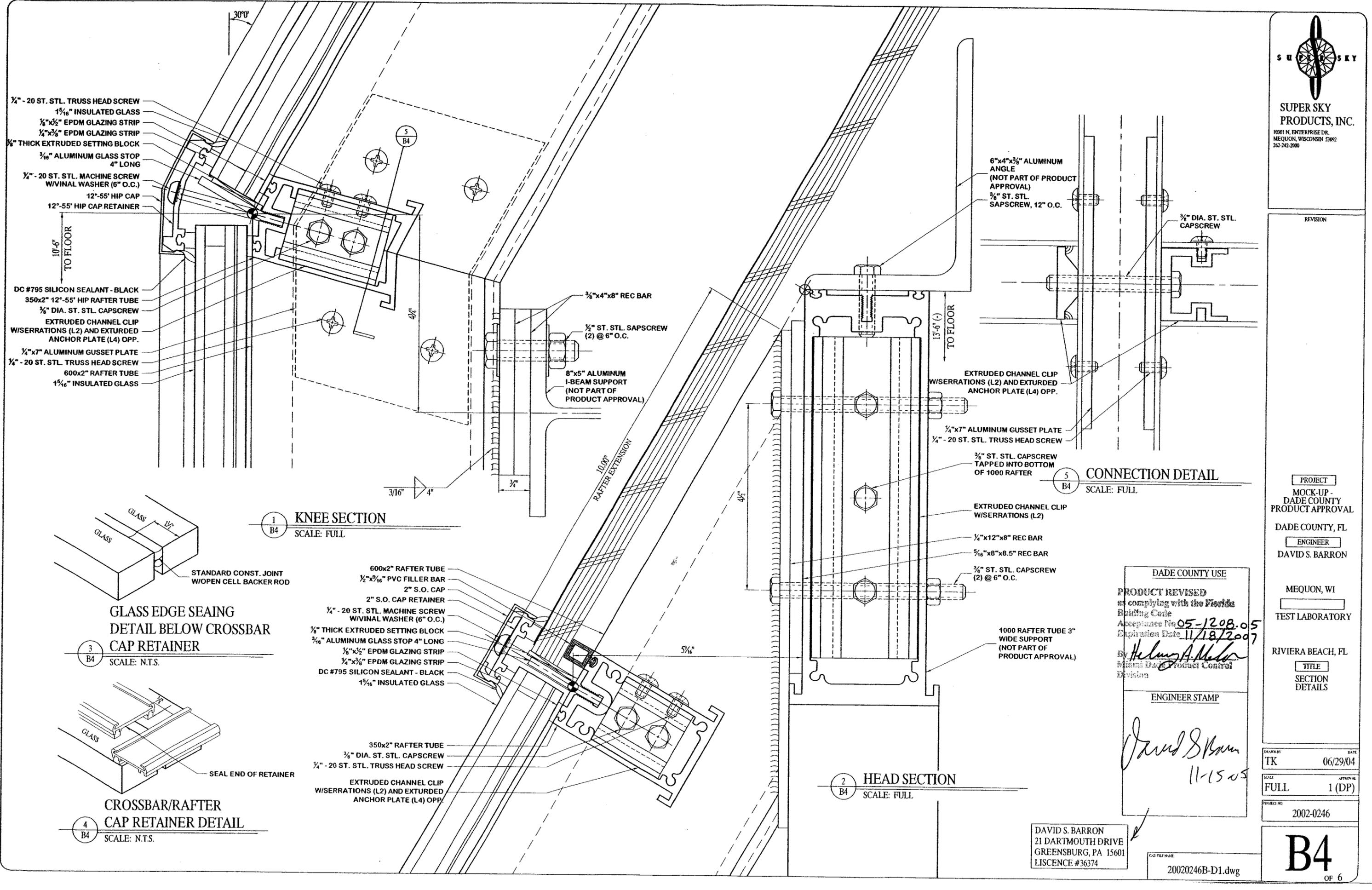
B3  
OF 6

CAD FILE NAME  
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**SUPER SKY PRODUCTS, INC.**  
 1801 N. ENTERPRISE DR.  
 MEQUON, WISCONSIN 53092  
 262-242-2000

REVISION



PROJECT  
 MOCK-UP -  
 DADE COUNTY  
 PRODUCT APPROVAL  
 DADE COUNTY, FL  
 ENGINEER  
 DAVID S. BARRON

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 Miami Dade Product Control  
 Division

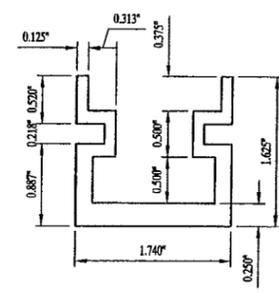
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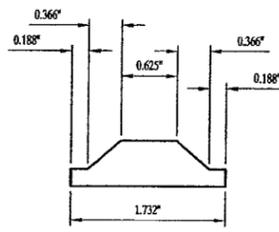
**B4**  
 OF 6



**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 0.780586 INCH  
 X AXIS 0.47488 INCH  
 Y AXIS 0.632072 INCH

WEIGHT PER LINEAR FOOT 1.191528 LBS  
 ALUMINUM ALLOT 6005-T5

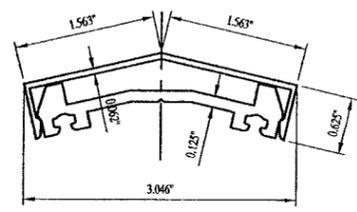
**CHANNEL CLIP**  
 SCALE: FULL



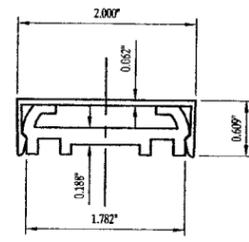
**SUMMARY OF PROPERTIES**  
 CENTRE OF MASS [0.866,0.206789,0]  
 SURFACE AREA 0.635642 INCH \*\*2  
 MOMENT ABOUT X AXIS 0.0118681 INCH \*\*4  
 MOMENT ABOUT Y AXIS 0.110198 INCH \*\*4  
 POLAR MOMENT 0.122066 INCH \*\*4  
 PRINCIPAL AXES ROTATION ANGLE = 0°-0°  
 RADII OF GYRATION:  
 POLAR 0.439218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

WEIGHT PER LINEAR FOOT 0.743701 LBS  
 ALUMINUM ALLOT 6005-T5

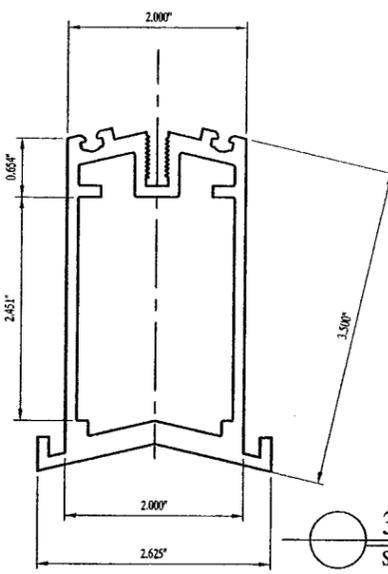
**ANCHOR PLATE**  
 SCALE: FULL



**HIP CAP & RETAINER**  
 SCALE: FULL



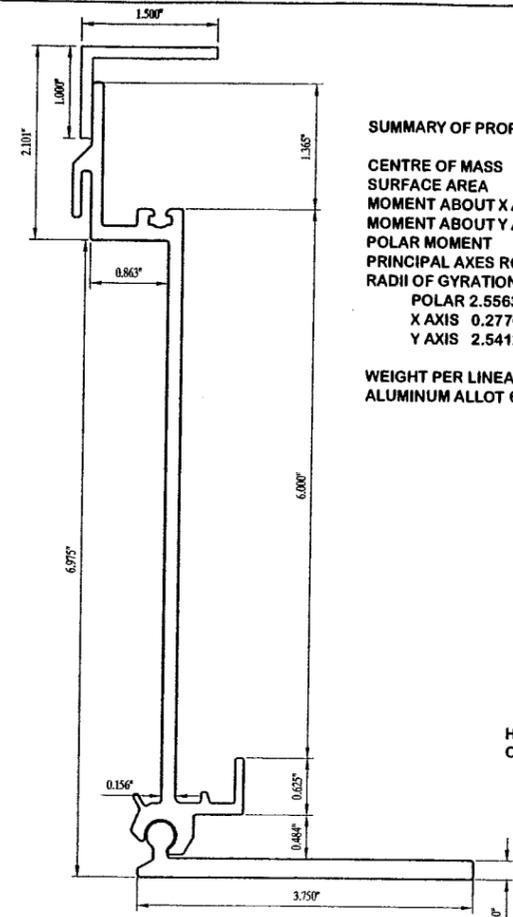
**RAFTER CAP & RETAINER**  
 SCALE: FULL



**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

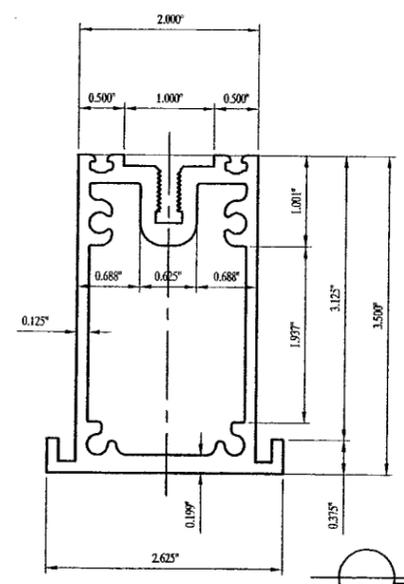
**350 HIP TUBE**  
 SCALE: FULL



**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 = 65°-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



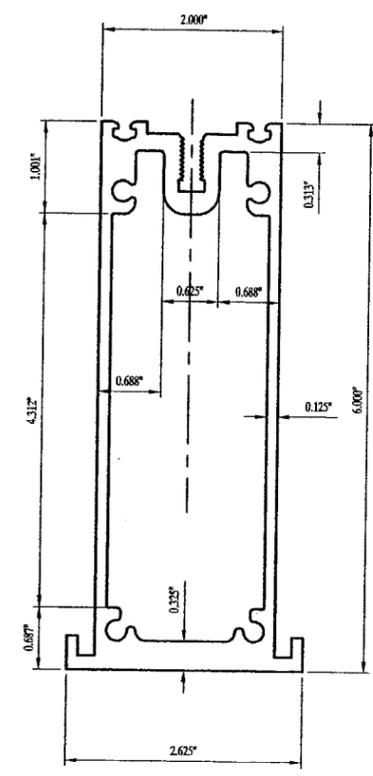
**SUMMARY OF PROPERTIES**  
 CENTRE OF MASS [1.31246,1.7169,0]  
 SURFACE AREA 2.12343 INCH \*\*2  
 MOMENT ABOUT X AXIS 1.2925 INCH \*\*4  
 MOMENT ABOUT Y AXIS 3.52933 INCH \*\*4  
 POLAR MOMENT 4.82184 INCH \*\*4  
 PRINCIPAL AXES ROTATION ANGLE = -90°-0°  
 RADII OF GYRATION:  
 POLAR 1.50691 INCH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

**DADE COUNTY USE**  
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 Miami Dade Product Control  
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PROJECT MOCK-UP - DADE COUNTY PRODUCT APPROVAL
DADE COUNTY, FL
ENGINEER DAVID S. BARRON
MEQUON, WI
TEST LABORATORY
RIVIERA BEACH, FL
TITLE EXTRUSIONS

DRAWN BY TK	DATE 06/29/04
SCALE FULL	APPROVAL 1 (DP)
PROJECT NO. 2002-0246	



**SUPER SKY PRODUCTS, INC.**  
 1081 N. ENTERPRISE DR.  
 MEQUON, WISCONSIN 53092  
 762-242-2000

REVISION

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 DADE COUNTY  
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 ENGINEER  
 DAVID S. BARRON

MEQUON, WI  
 TEST LABORATORY  
 RIVIERA BEACH, FL  
 TITLE  
 SUPPORT FRAME  
 DETAIL

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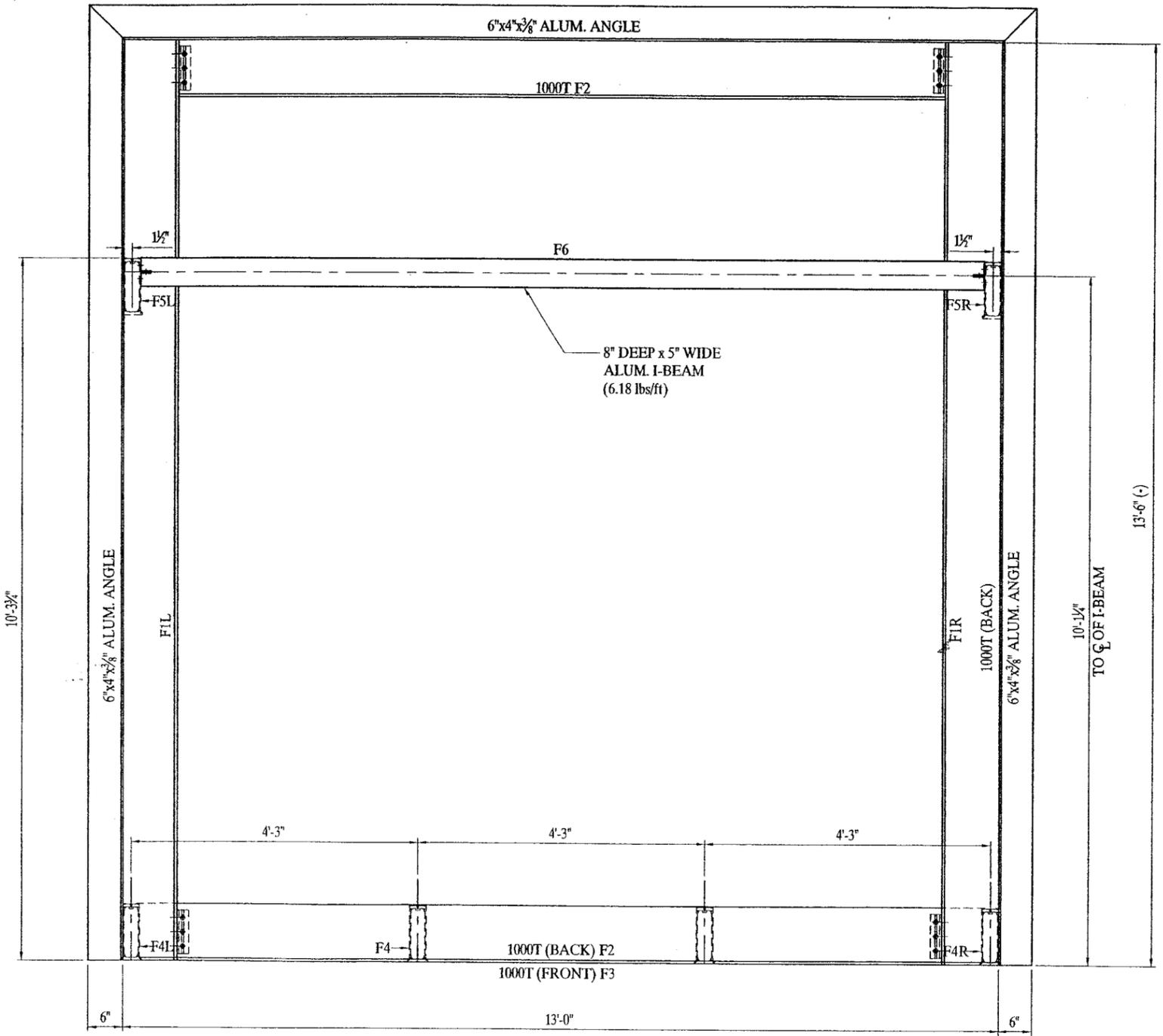
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**B6**  
 OF 6

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



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