



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

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

Novum Structures, LLC.
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HG01 Skylight PSG" Multiple Point Supported Glass Skylight System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **25-184**, titled "Novum's Point Supported Glass System: HG01 Skylight System", sheets: MU100-5, MU100A-0, MU100B-0, MU100C-0, MU200-1, MU210-1, MU500-1, MU501-1, MU502-1, MU510-1, MU511-1, MU512-1, MU514-1, MU515-1, MU516-1, MU700-0, MU710-0, MU800-2, MU801-2, MU802-0, MU803-0 and MU804-0, for a total of 22 sheets, dated 03/04/10, with revision **#5** dated 11/03/23, prepared by Computerized Structural Design, Inc., signed and sealed by Mahmoud Maamouri, P.E., 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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

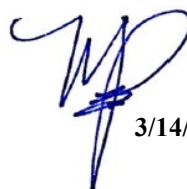
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA **revises NOA No. 20-1116.06** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




3/14/24

NOA No. 24-0102.04
Expiration Date: September 08, 2026
Approval Date: February 29, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

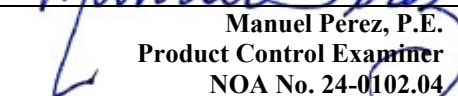
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 11-0816.04)
2. Drawing No. **25-184**, titled "Novum's Point Supported Glass System: HG01 Skylight System", sheets: MU100-3, MU100A-0, MU100B-0, MU100C-0, MU200-1, MU210-1, MU500-1, MU501-1, MU502-1, MU510-1, MU511-1, MU512-1, MU514-1, MU515-1, MU516-1, MU700-0, MU710-0, MU800-1, MU801-1, MU802-0, MU803-0 and MU804-0 for a total of 22 sheets, dated from 03/02/10 to 08/02/11, with revision #3 dated 10/21/20, prepared by Computerized Structural Design, Inc., signed and sealed by Mahmoud Maamouri, P.E.
(Submitted under NOA No. 20-1116.06)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a multiple point supported glass system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6321**, dated 01/13/11, revised, reissued, signed and sealed dated by Marlin D. Brinson, P.E.
(Submitted under NOA# 11-0816.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a multiple point supported glass system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6323**, dated 05/23/11, revised, reissued, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA# 11-0816.04)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a multiple point supported glass system, prepared by Architectural Testing, Inc., Test Report No. **ATI-49758.01-120-18**, dated 07/02/04, signed and sealed by Joseph A. Reed, P.E.
(Submitted under NOA# 11-0816.04)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 24-0102.04
Expiration Date: September 08, 2026
Approval Date: February 29, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC 2007, prepared by Larson Engineering, Inc., dated 10/20/10, revised, signed, sealed and dated 08/01/11 by Ethan A. Charpentier, P.E.
(Submitted under NOA No. 11-0412.06)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

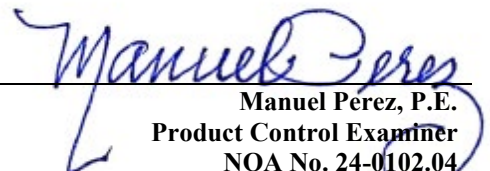
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 12/28/17, expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated November 3, 2020, issued by Computerized Structural Design, Inc. signed and sealed by Mahmoud Maamouri, P.E.
(Submitted under NOA No. 20-1116.06)
2. Notification of Successor Engineer for manufacturer's NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated November 3, 2020, signed and sealed by Mahmoud Maamouri, P.E.
(Submitted under NOA No. 20-1116.06)
3. Statement letter of independence and no financial interest, dated 10/23/10, signed and sealed by Ethan A. Charpentier, P.E.
(Submitted under NOA No. 11-0816.04)
4. Laboratory compliance letter for Test Report No. **FTL-6321**, issued by Fenestration Testing Laboratory, Inc., dated 01/13/11, revised, signed, sealed and dated 08/01/2011 by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0816.04)
5. Laboratory compliance letter for Test Report No. **FTL-6323**, issued by Fenestration Testing Laboratory, Inc., dated 05/23/11, revised, signed, sealed and dated 08/01/2011 by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0816.04)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 24-0102.04
Expiration Date: September 08, 2026
Approval Date: February 29, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS (CONTINUED)

6. Laboratory compliance letter for Test Report No. **ATI-49758.01-120-18**, issued by Architectural Testing, Inc., dated 07/02/04, signed and sealed by Joseph A. Reed, P.E. *(Submitted under NOA No. 11-0816.04)*
7. Evaluation Report of Architectural Testing, Inc. Test Report No. **ATI-49758.01-120-18** dated 12/20/04, signed and sealed by Keshwar P. Ramdular, P.E. *(Submitted under NOA No. 11-0816.04)*
8. Tensile Test prepared by Stork Technimet, Inc., Test Report No. **STI-0404-09609**, dated 05/11/04, signed by Anna Mayhew-Rozek. *(Submitted under NOA No. 11-0816.04)*

G. OTHERS

1. Notice of Acceptance No. **19-0110.10**, issued to Novum Structures, LLC for their Series "HG01 Skylight PSG" Multiple Point Supported Glass Skylight System – L.M.I., approved on 02/219 and expiring on 09/08/21.

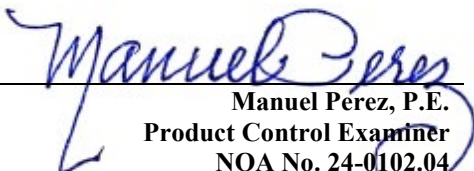
2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

Drawing No. **25-184**, titled "Novum's Point Supported Glass System: HG01 Skylight System", sheets: MU100-5, MU100A-0, MU100B-0, MU100C-0, MU200-1, MU210-1, MU500-1, MU501-1, MU502-1, MU510-1, MU511-1, MU512-1, MU514-1, MU515-1, MU516-1, MU700-0, MU710-0, MU800-2, MU801-2, MU802-0, MU803-0 and MU804-0 for a total of 22 sheets, dated from 03/04/10, with revision #5 dated 11/03/23, prepared by Computerized Structural Design, Inc., signed and sealed by Mahmoud Maamouri, P.E.

B. TESTS

1. Test reports on: 1) Safety Performance Test, (class A) per ANSI Z97.1 For G1 (10mm Clear FT + 2.28mm SG + 10mm Clear FT) glass lite, prepared by Intertek, Test Report No. **P9757.01-201-37**, dated 09/07/23, with Revision #2 dated 11-09-23, signed and sealed dated by Tanya Dolby, P.E.
2. Test reports on: 1) Safety Performance Test, (class A) per ANSI Z97.1 For G9 (10mm Clear w/Frit on Surface #2 (Line, 50% Coverage) FT + 2.28mm SG + 10mm Clear FT) glass lite, prepared by Intertek, Test Report No. **P9757.02-201-37**, dated 09/07/23, with Revision #2 dated 11-09-23, signed and sealed dated by Tanya Dolby, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 24-0102.04
Expiration Date: September 08, 2026
Approval Date: February 29, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)

B. TESTS (CONTINUED)

3. Test reports on: 1) Safety Performance Test, (class A) per ANSI Z97.1
For G5 (10mm Clear w/Frit on Surface #2 (Dot, 50% Coverage) FT + 2.28mm SG +
10mm Clear FT) glass lite, prepared by Intertek, Test Report No. **P9757.03-201-37**,
dated 09/07/23, with Revision #2 dated 11-09-23, signed and sealed dated by Tanya
Dolby, P.E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with FBC 8th Edition (2023),
dated 09/01/10, with revision 3 dated 11/03/23, prepared by Computerized Structural
Design, Inc., signed, sealed by Mahmoud Maamouri, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

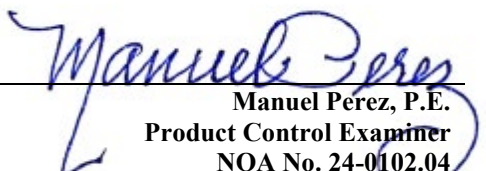
1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their
“**SentryGlas® (Clear and White) Glass Interlayers**” dated 08/31/23, expiring on
07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)** and of no
financial interest, dated December 21, 2023, issued by Computerized Structural
Design, Inc. signed and sealed by Mahmoud Maamouri, P.E.
2. Proposal No. **22-0677R2** issued by the Product Control Section, dated January 26,
2022, signed by Manuel Perez, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-1116.06**, issued to Novum Structures, LLC for their
Series “HG01 Skylight PSG” Multiple Point Supported Glass Skylight System –
L.M.I., approved on 03/11/21 and expiring on 09/08/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 24-0102.04
Expiration Date: September 08, 2026
Approval Date: February 29, 2024

NOVUM'S POINT SUPPORTED GLASS SYSTEM: HG01 SKYLIGHT SYSTEM

System Description

The Novum Hurricane PSG skylight system that has been tested for Miami - Dade NOA consists simply of glass, rotules, and silicone joints. A perimeter channel is also a tested part of the system.

The glass is fully tempered and laminated. Both pieces of glass are 0.375" thick. The laminate is 0.090" Kuraray Sentry Glass Interlayer by Kuraray America, Inc. per NOA No. 23-0717.30. Therefore the overall thickness is 0.84".

The RB22-16 rotules are ss fixtures that consist of a rotating head and 16 mm diameter threaded rod that allow it to be mounted through a hole in the glass and in turn fastened to a support structure using the threaded rod. The silicone joints consist of an extruded silicone profile pushed into the 0.75" (20 mm) wide space between adjoining glass panels from the inside and acts as a backer. This profile fills about 60% of the depth of the joint. The outer 40% of the space is filled with Dow Corning 795 silicone sealant which produces the weather tight seal.

The steel glazing arms and support HSS framework used in the test is not part of the "system". On future projects using HG01, the glazing arms and steel support framework will be designed using conventional analysis methods and appropriate material design and building codes. It will not be subject to NOA testing or approval.



SYMBOLS



C600.X FIELD HARDWARE MARK

ABBREVIATIONS

NS = NEAR SIDE
FS = FAR SIDE
MK. = MARK NUMBER
TYP. = TYPICAL
SIM. = SIMILAR
OPP. = OPPOSITE HAND
SYM. = SYMMETRICAL
U.N.O. = UNLESS NOTED OTHERWISE
C.L. = CENTER LINE
RHS = RIGHT HAND SIDE
LHS = LEFT HAND SIDE

Limitations For Use

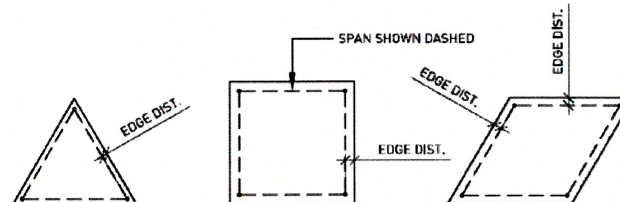
- 1) Maximum imposed design load of 100 psf when system is used as a skylight or sloped glazing (> 15° from vertical). This is based on a factor of safety of 2.0 against breakage at 200 psf.

Dead load of glass is not considered part of an imposed load (i.e.: glass can allowably handle 100 psf normal to its surface plus the weight of the glass).

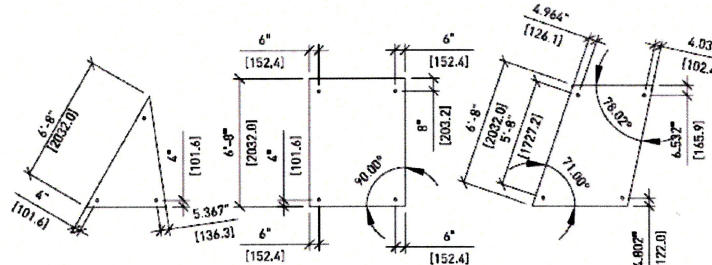
- 2) Maximum panel side length:

- a) Square = 80" or 6'-8"
- b) Rectangle = 80" or 6'-8"
- c) Trapezoid = 80" or 6'-8"
- d) Triangle = 80" or 6'-8"

- 3) Maximum span between adjacent rotules as defined in diagram below = 68" or 5'-8".



- 4) Edge distance from center of rotule to nearest glass edge must be between 3.5" and 6".
- 5) Trapezoids must have a minimum interior angle of 60° or greater. Triangles have no angular requirements.
- 6) All rectangles, triangles and trapezoids meeting the above limitations are acceptable. Below are examples of other possibilities. Many other possibilities are not shown.



- 7) A continuous edge channel may be used for support along one edge of any square or rectangle panel with rotules at the remaining 2 corners.
- 8) Large missile testing has been done and therefore the system may be used for enclosures and there is no restriction as to what elevation from the ground.
- 9) The Novum Hurricane PSG system that pertaining to this NOA consists simply of the glass, rotules, and silicone joints. A perimeter channel is also a tested part of the system.
- 10) The steel support arms and any support framework is not part of the "system". On future projects using HG01, the support arms and steel support framework will be designed using conventional analysis methods and appropriate material design and building codes. It will not be subject to NOA testing or approval.
- 11) Support framing must not deflect more than L/180.
- 12) This system can be used for Risk Category I, II and III, plus Category IV above 30'-0". It is not allowed to be used for Risk Category IV below 30'-0".

- 13) The design of this system shall consider tornado loads when applicable per Florida Building Code, Section 1609.5

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
MOCK-UP SAMPLE #1 & #2	MU100 MU100A MU100B MU100C GENERAL NOTES PART: ROTULE INFORMATION PART: GASKET DETAIL: NON-CHAMFERED GLASS JOINT PART: GASKET DETAIL: CHAMFERED GLASS JOINT
MOCK-UP SAMPLE #1 ONLY	MU200 MU500 MU501 MU502 MU700 MOCK-UP: MAIN PLAN AND ELEVATION VIEWS MOCK-UP: SECTION & DETAIL VIEWS MOCK-UP: SECTION & DETAIL VIEWS MOCK-UP: GLASS JOINT DETAIL VIEWS MOCK-UP: GLASS LAYOUT & DIMENSIONS
MOCK-UP SAMPLE #2 ONLY	MU210 MU510 MU511 MU512 MU513 MU514 MU515 MU516 MU710 MOCK-UP: MAIN PLAN AND ELEVATION VIEWS MOCK-UP: SECTION & DETAIL VIEWS MOCK-UP: SECTION & DETAIL VIEWS MOCK-UP: SECTION & DETAIL VIEWS DRAWING ELIMINATED FROM SET MOCK-UP: GLASS JOINT DETAIL VIEWS MOCK-UP: SECTION & DETAIL VIEWS MOCK-UP: SECTION & DETAIL VIEWS MOCK-UP: GLASS LAYOUT & DIMENSIONS
GLASS DWGS. & DETAILS	MU800 MU801 MU802 MU803 MU804 GLASS MAKE-UP SHEET (NON ART GLASS) GLASS MAKE-UP SHEET (ART GLASS) GLASS FABRICATION DRAWING (NON ART GLASS) GLASS FABRICATION DRAWING (ART GLASS) BILL OF MATERIALS

DESIGN PARAMETERS

FLORIDA BUILDING CODE 2023 A A A

TEST REPORTS FROM FENESTRATION TESTING LABORATORY, INC.:

- 1) FLAT MOCK-UP: REPORT DATE = 1/13/2010
- 2) ZIG ZAG MOCK-UP: REPORT DATE = 5/23/2011

-DESIGN PRESSURE: +100 PSF
-DESIGN SUCTION: -100 PSF

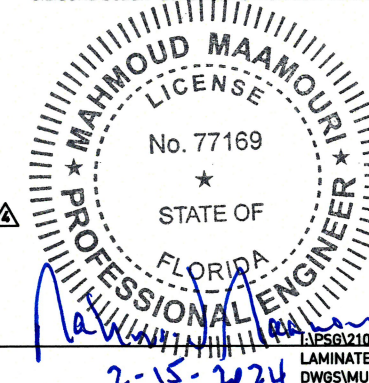
TAS-201 - IMPACT TEST PROCEDURES
TAS-202 - AIR LEAKAGE, WATER PENETRATION & STRUCTURAL PERFORMANCE TEST PROCEDURES
TAS-203 - CYCLING TEST PROCEDURES
ASTM STANDARDS
E283 - AIR INFILTRATION TEST PROCEDURE
E330 - STRUCTURAL PERFORMANCE TEST PROCEDURES
E331 - WATER PENETRATION; STATIC & DYNAMIC, TEST PROCEDURES
E1886 - MISSILE IMPACT & CYCLIC PRESSURE TESTING - LEVEL A & LEVEL D, TEST PROCEDURE
E1996 - HURRICANE DEBRIS IMPACT TESTING PROCEDURES

GLASS MAKE-UP #1
3/8", FULLY TEMPERED, CLEAR, OPTIONAL DOT FRIT OR LINE FRIT ON SURFACE #2, UP TO 50% MAXIMUM COVERAGE
0.090" CLEAR OR WHITE Kuraray SentryGlas Interlayer by Kuraray America, Inc.
per NOA No. 23-0717.30
3/8", FULLY TEMPERED, CLEAR

GLASS MAKE-UP #2
3/8", FULLY TEMPERED, CLEAR
0.090" CLEAR OR WHITE Kuraray SentryGlas Interlayer by Kuraray America, Inc.
per NOA No. 23-0717.30
3/8", FULLY TEMPERED, CLEAR
0.060" CLEAR OR WHITE Kuraray SentryGlas Interlayer by Kuraray America, Inc.
per NOA No. 23-0717.30
1/2", FULLY TEMPERED, CLEAR

STAINLESS STEEL
ROTULE: 316SS

SEALANTS
FRAME ASSEMBLY SEALS- MEDIUM CONSTRUCTION SILICONE SEALANT- IE: DOW CORNING #795
EXPOSED WEATHER SEALS- MEDIUM MODULUS CONSTRUCTION SILICONE SEALANT- IE: DOW CORNING #795
SILICONE COLOR- BLACK (OR OTHER DOW CORNING STANDARD COLORS)



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 24-0102.04
Expiration Date: 09/08/2026
By: Manuel Perez
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
E8-0001882
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

03NOV23 FAR FP
UPDATED CODE YEAR & SG NOA #, ADDED FRIT & LIMITATION #13

19FEB21 JT6 SWK
UPDATED LIMITS 12

21OCT20 ZJM SWK
UPDATED CODE YEAR & LIMITS 11 & 12

12DEC18 SWK SWK
UPDATED CODE FROM 2014 TO 2017 AND INTERLAYER NOA #

10/08/15 MM SWK
UPDATED CODE FROM 2007 TO 2014

REV. NO. DATE DWG. BY CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #1 & #2
COVER SHEET

DRAWN BY: BTH DATE: 04MAR10
CHECKED BY: SWK APPROVED BY: SWK

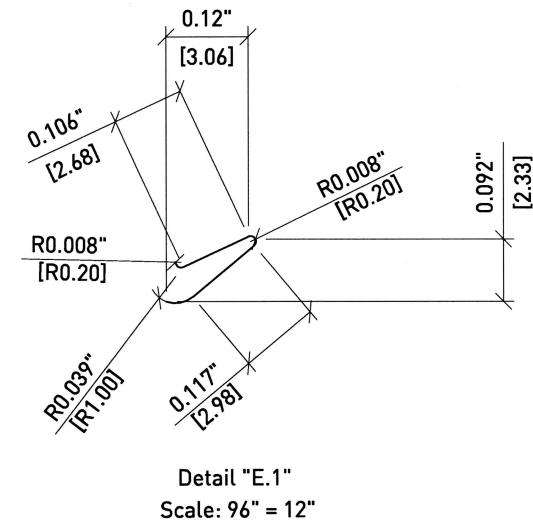
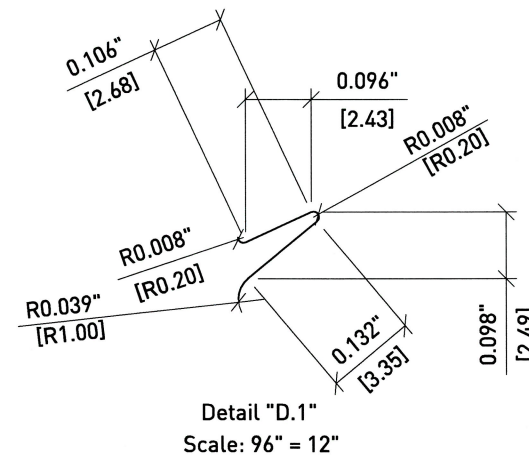
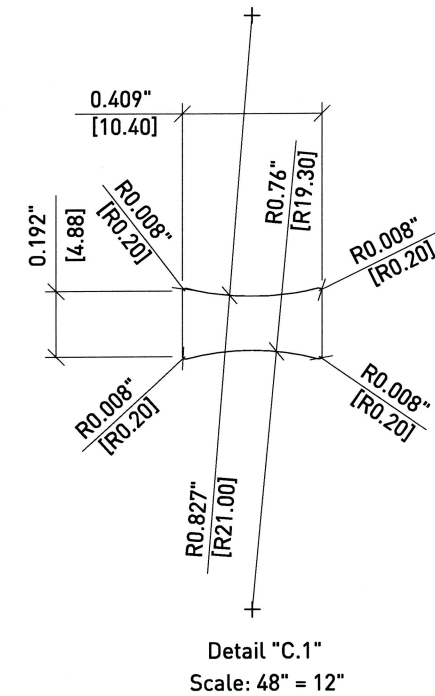
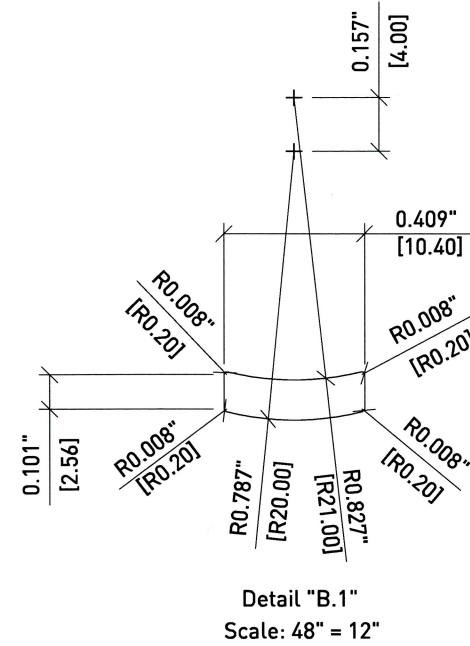
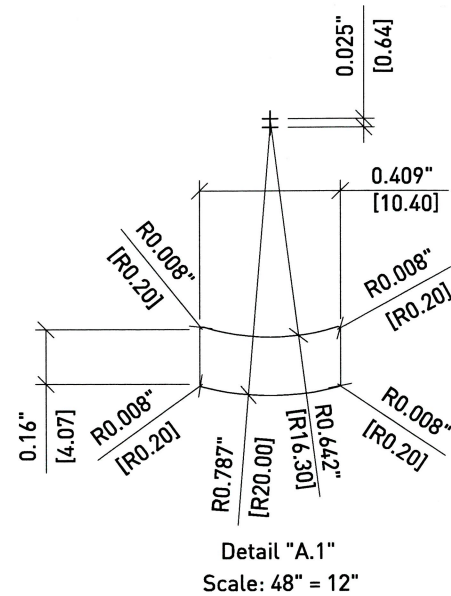
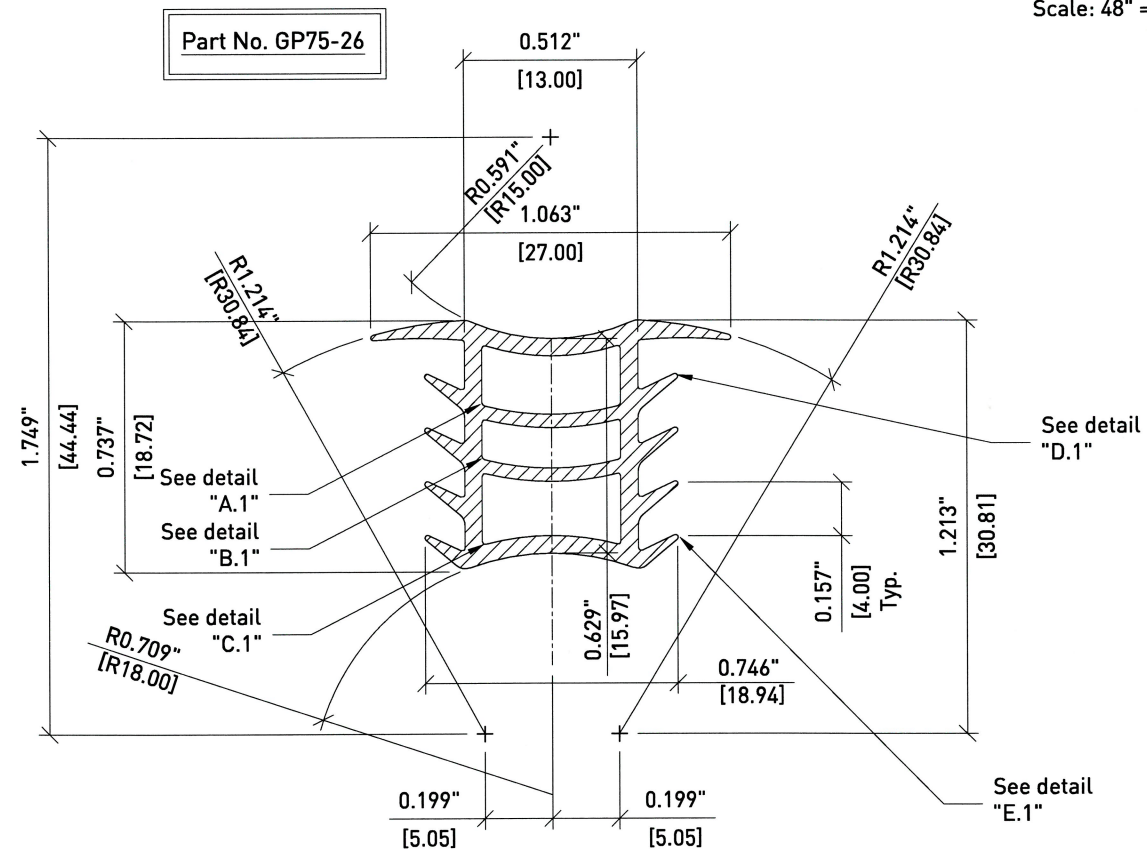
SCALE: NONE PROJECT MANAGER: GB

PROJECT NUMBER: 25-184

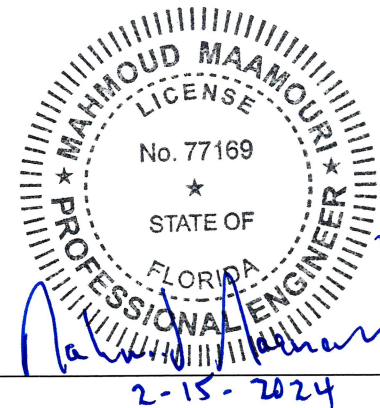
SHEET NUMBER: 25-184

MU100-5

1:PS6\2101 CALCS & TESTS\FLORIDA APPROVALS\HG01 - NOA WITH LAMINATED PSG\HG01 2023 FBC REVISION\DRAWINGS\25-184 SKYLIGHT DWGS\MU100.DWG



Detail: silicone extrusion gasket
Durometer = 70 +/-5 Shore A
Scale: 48" = 12"




PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 24-0102.04
Expiration Date: 09/08/2026
By: Manuel Perez
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL
DESIGN, INC.
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE. # 77169

APPROVAL STAMP:

NOVUM STAMP:

			
	REVISION COMMENTS		
REV.NO.	DATE	DWG.BY	CHK.BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

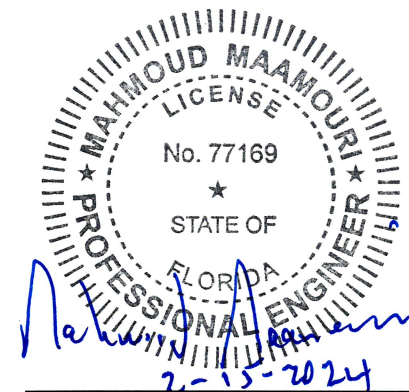
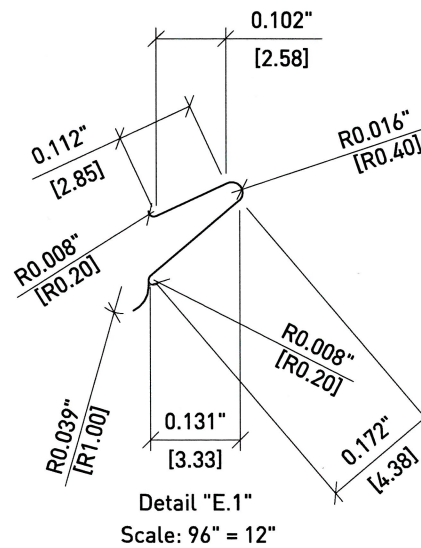
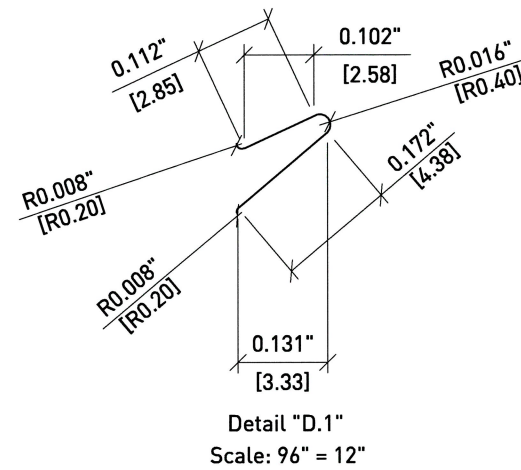
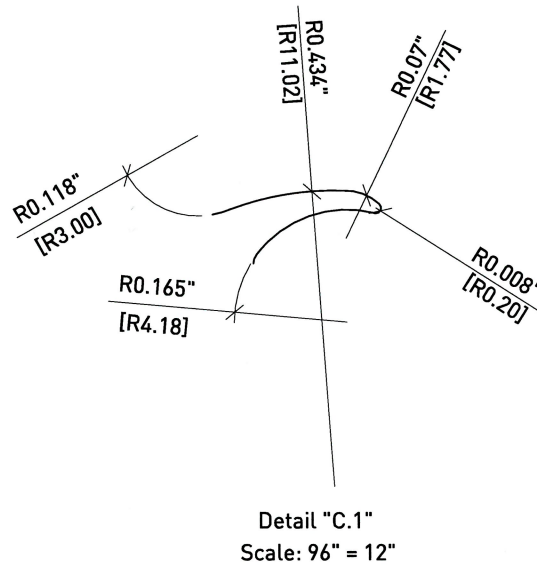
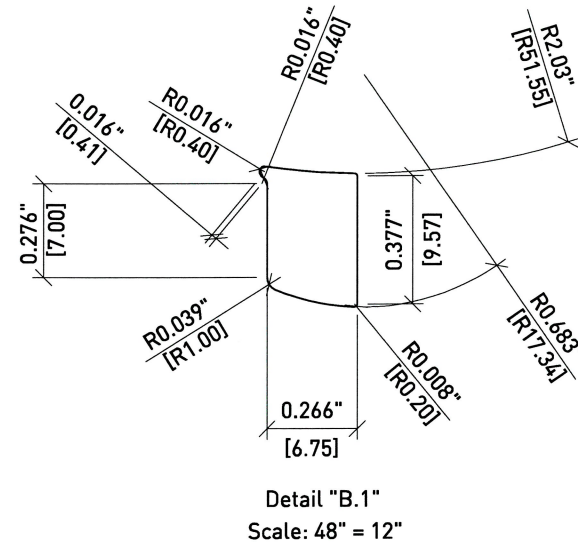
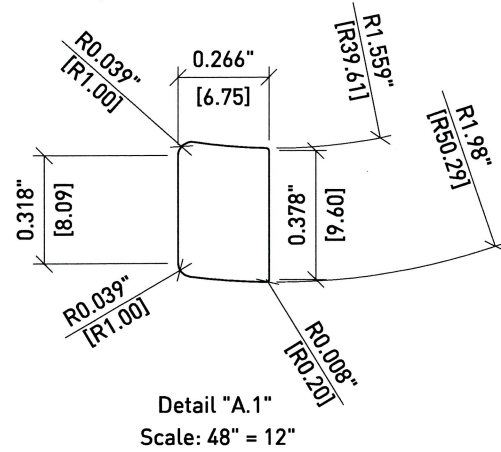
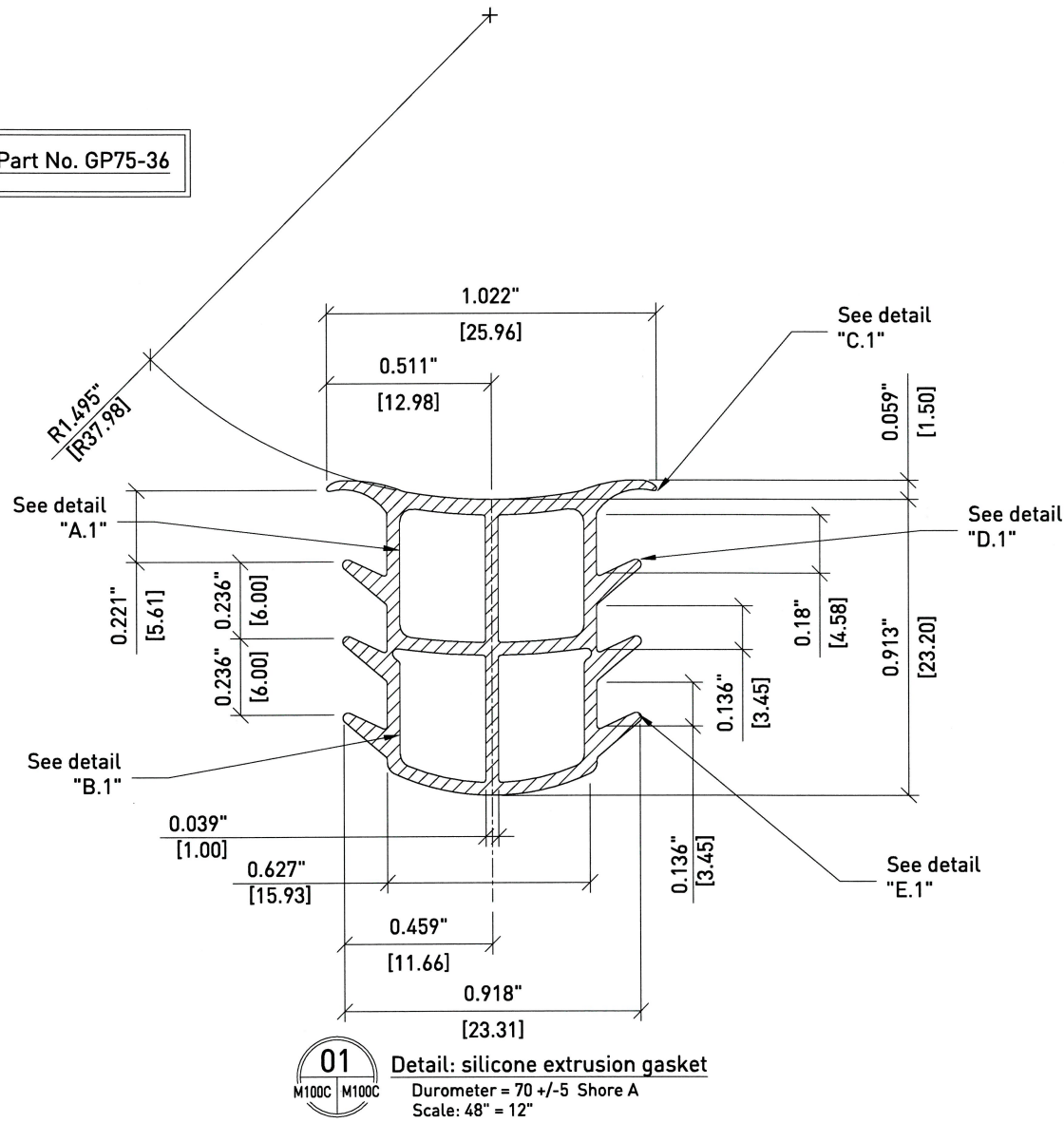
DRAWING DESCRIPTION:
MOCK-UP #1 & #2
SILICONE EXTRUSION
DETAIL

DRAWN BY: BTH	DATE: 04MAR10
CHECKED BY: SWK	APPROVED BY: SWK
SCALE: 48"=12"	PROJECT MANAGER: GB

PROJECT NUMBER: 25-184

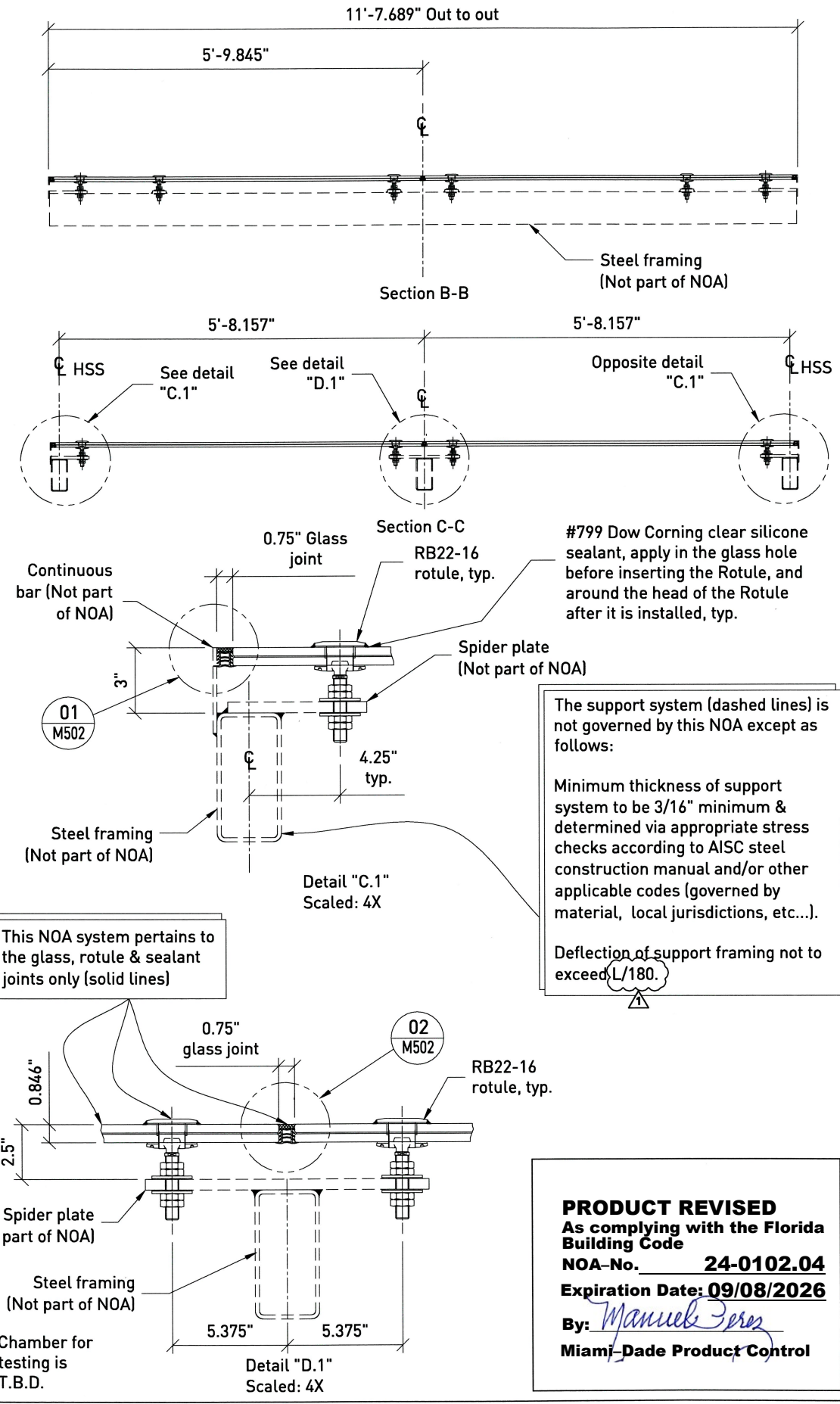
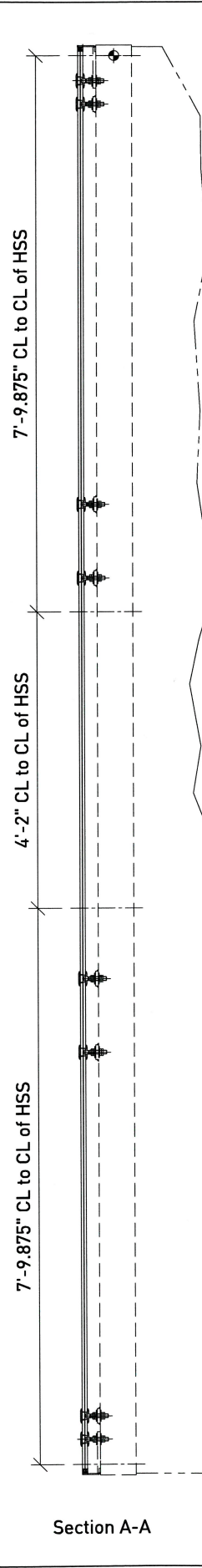
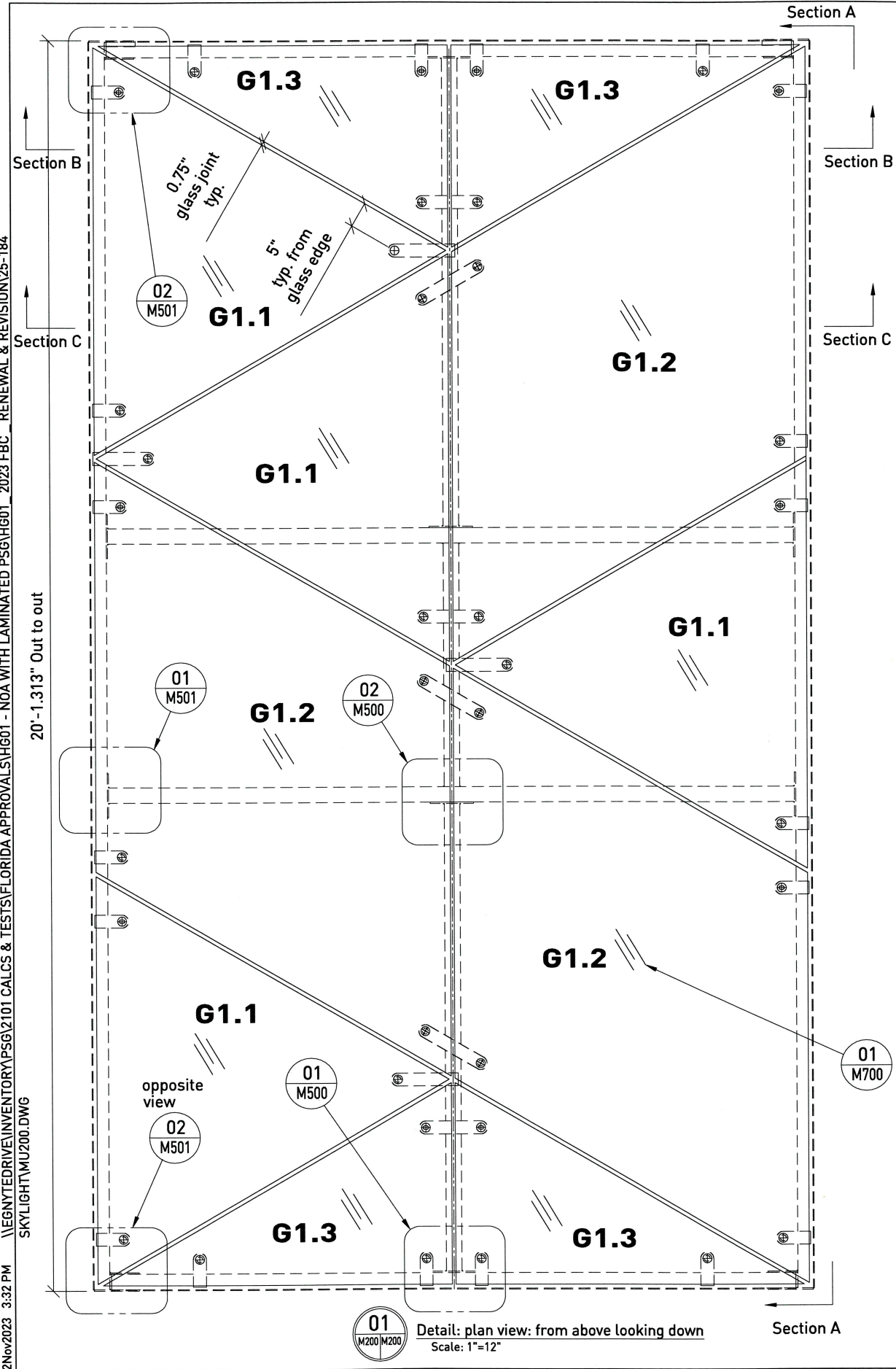
SHEET NUMBER:
MU100B-0

Part No. GP75-36

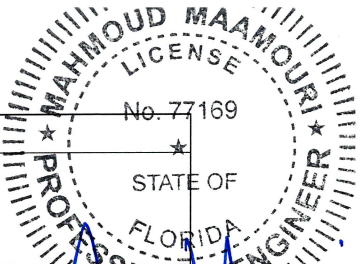


PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC. 8889 North Port Washington Road Milwaukee, WI 53217 (414) 351-5588 E3-0001582 MAHMOUD MAAMOURI P.E. # 77169			
ENGINEER STAMP:			
APPROVAL STAMP:			
NOVUM STAMP:			
REVISION COMMENTS			
REV. NO.	DATE	DWG. BY	CHK. BY
Novum Structures LLC W126 N8585 Westbrook Crossing Menomonee Falls, WI 53051 USA T 262.255.5561 www.novumstructures.com info@novumstructures.com			
NOVUM			
PROJECT: NOVUM'S HURRICANE PSG GLASS SYSTEM: HG01 SKYLIGHT SYSTEM			
DRAWING DESCRIPTION: MOCK-UP #1 & #2 SILICONE EXTRUSION DETAIL @ CHAMFERED JOINT			
DRAWN BY:	BTH	DATE:	04MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	48"=12"	PROJECT MANAGER:	GB
PROJECT NUMBER:		25-184	
SHEET NUMBER: MU100C-0			



PRODUCT REVISED
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By: *Manuel Perez*
Miami-Dade Product Control



COMPUTERIZED STRUCTURAL DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53117
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

CHANGED DEFLECTION LIMIT FROM
L/160 TO L/180

REV. NO.	DATE	DWG. BY	CHK. BY
1	21OCT20	ZJM	SWK

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #1
PLAN & ELEVATION VIEWS

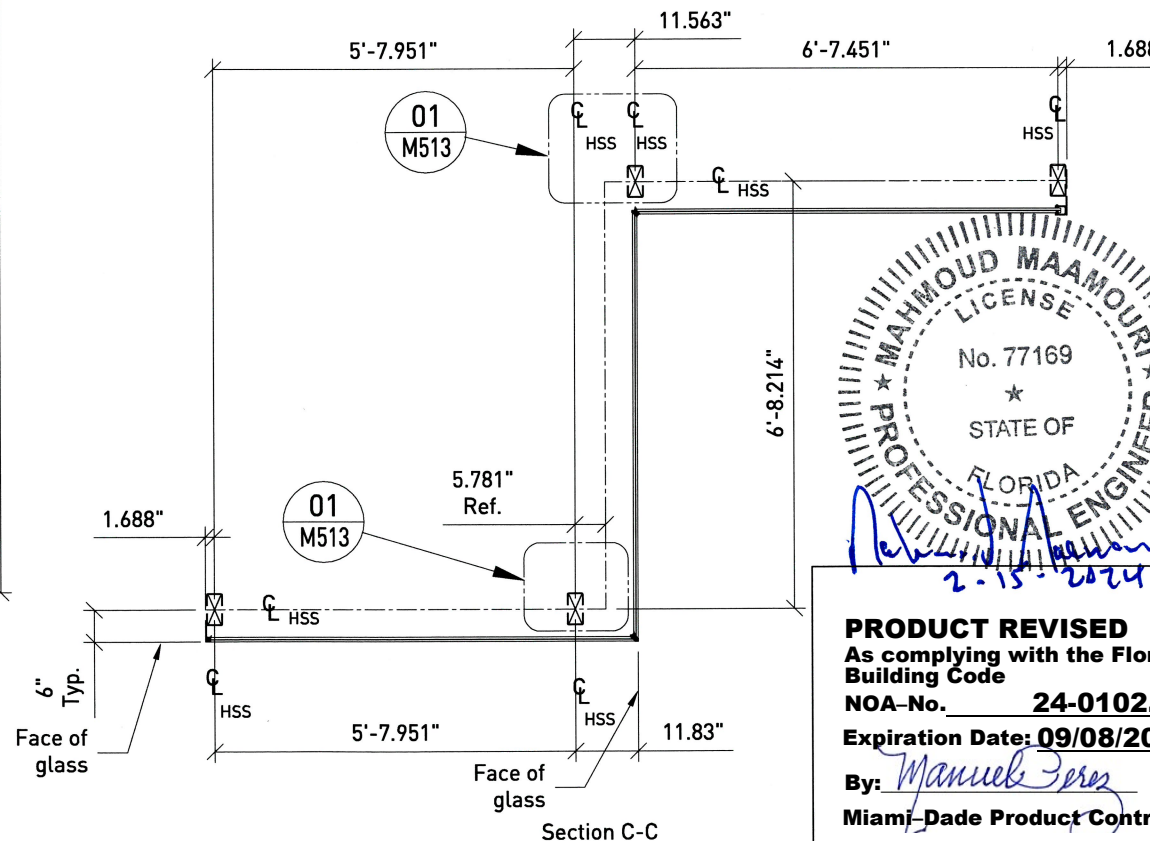
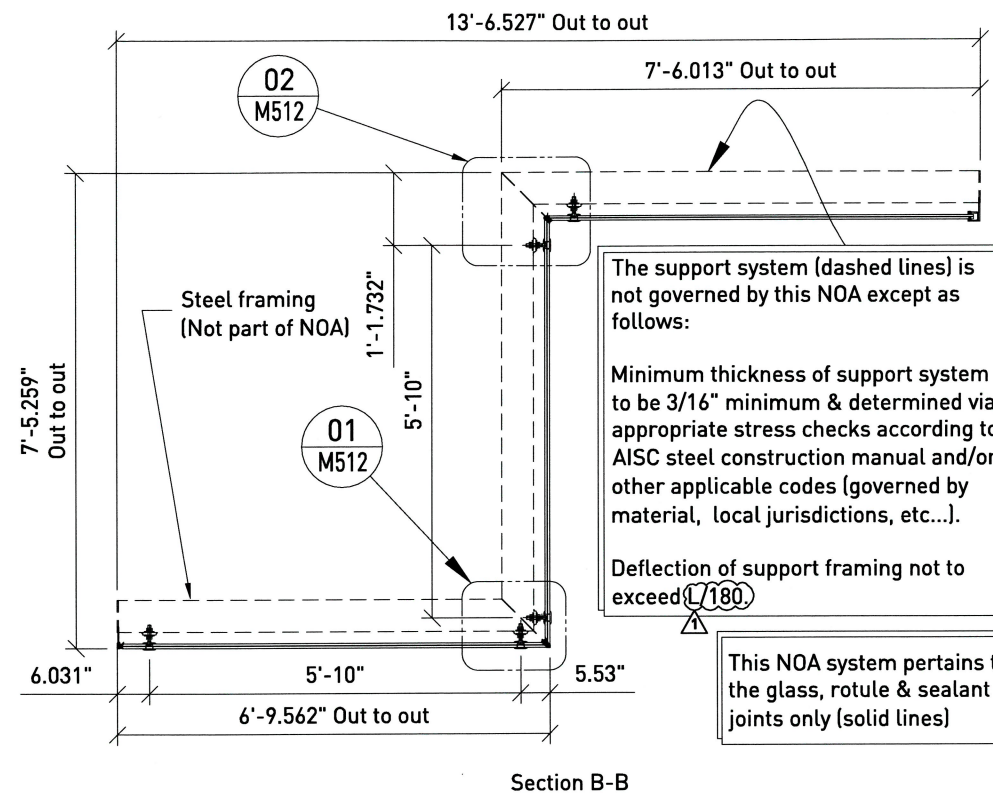
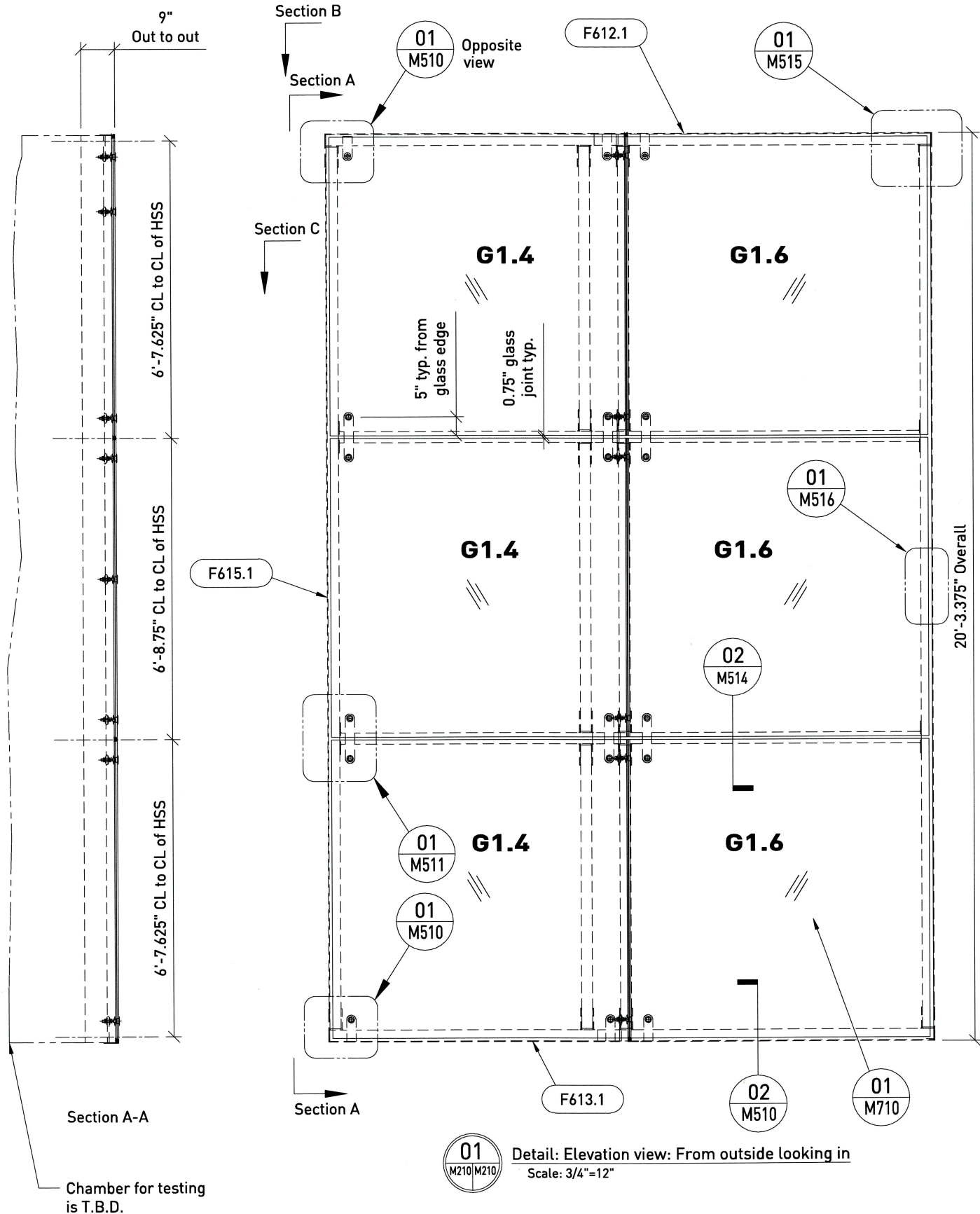
DRAWN BY:	DATE:
BTH	02MAR10

CHECKED BY:	APPROVED BY:
SWK	SWK

SCALE:	PROJECT MANAGER:
1"=12"	GB

PROJECT NUMBER:
25-184

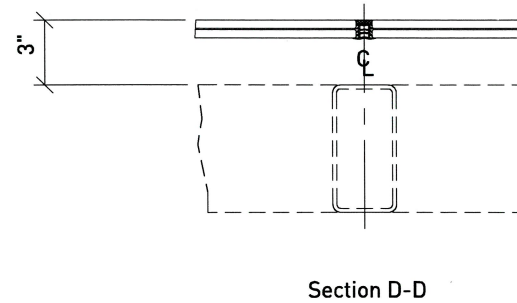
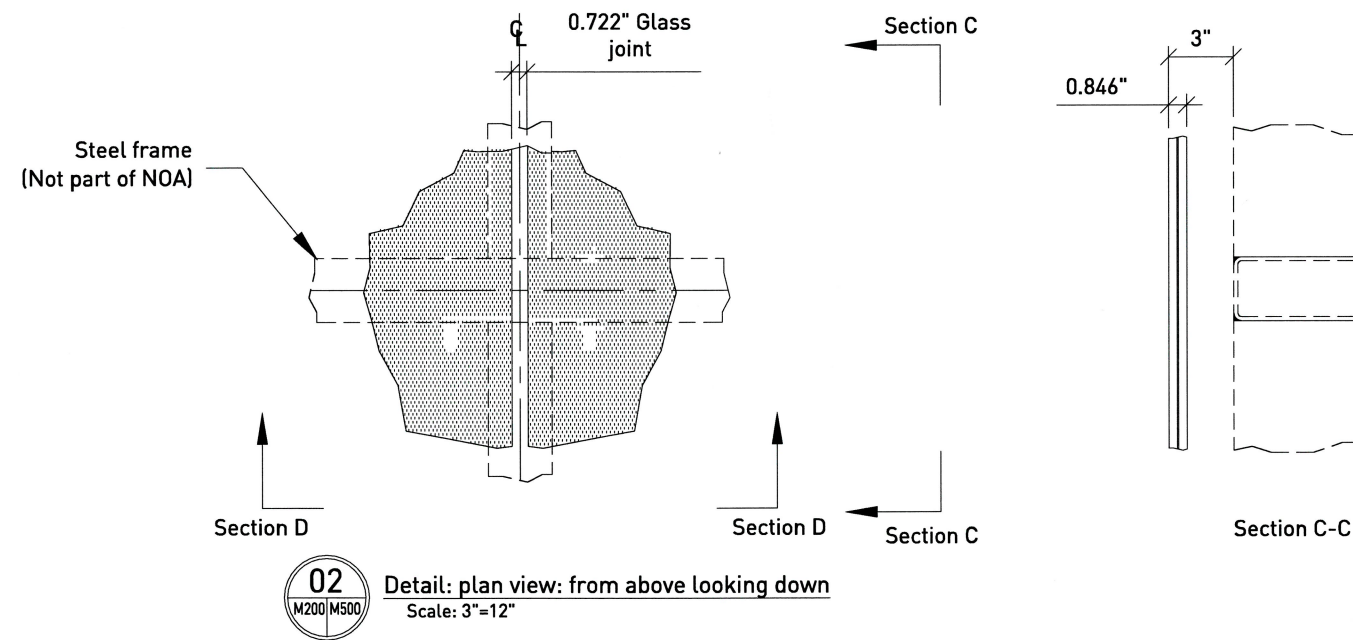
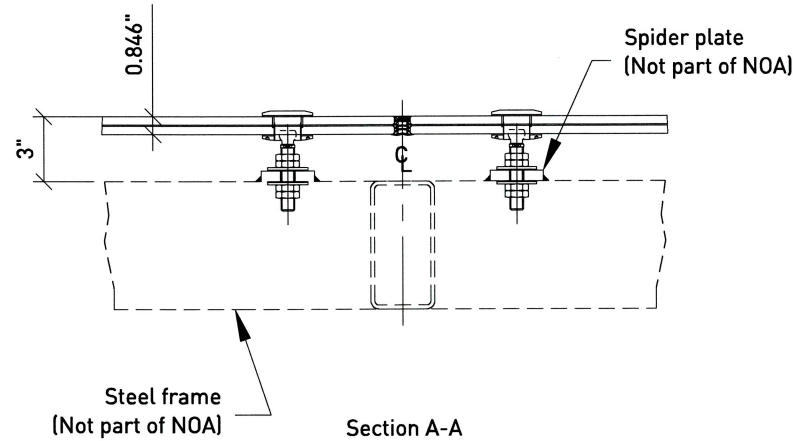
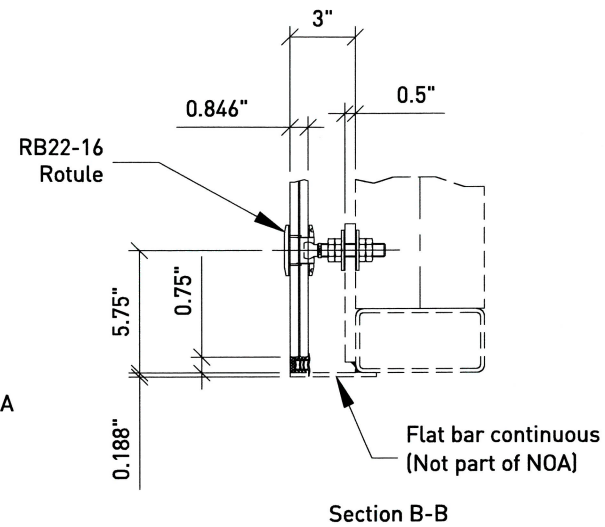
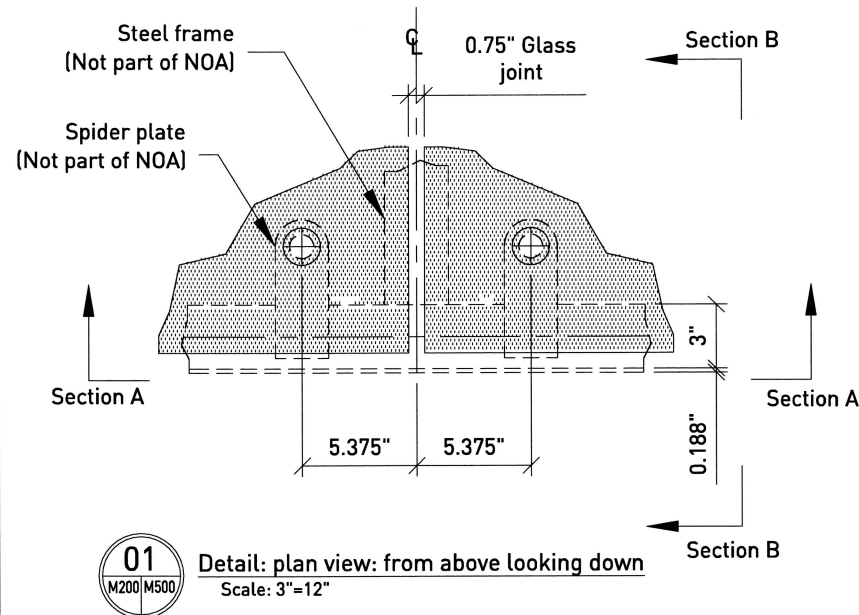
SHEET NUMBER:
MU200-1



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 24-0102.04
Expiration Date: 09/08/2026
By: *Manuel Perez*
Miami-Dade Product Control

MAHMOUD MAAMOURI
LICENSE
No. 77169
STATE OF FLORIDA
PROFESSIONAL ENGINEER

COMPUTERIZED STRUCTURAL DESIGN, INC. 8969 North Port Washington Road Milwaukee, WI 53217 (414) 351-5588 EB-0001982 MAHMOUD MAAMOURI PE # 77169			
ENGINEER STAMP			
APPROVAL STAMP			
NOVUM STAMP			
21OCT20 ZJM SWK CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
REV. NO.	DATE	DWG. BY	CHK. BY
Novum Structures LLC W126 N8585 Westbrook Crossing Menomonee Falls, WI 53051 USA T 262.255.5561 www.novumstructures.com info@novumstructures.com			
NOVUM			
PROJECT: NOVUM'S HURRICANE PSG GLASS SYSTEM: HG01 SKYLIGHT SYSTEM			
DRAWING DESCRIPTION: MOCK-UP #2 PLAN AND ELEVATION VIEWS			
DRAWN BY:	BTH	DATE:	02MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	3/4"=12"	PROJECT MANAGER:	GB
PROJECT NUMBER:		25-184	
SHEET NUMBER:		MU210-1	

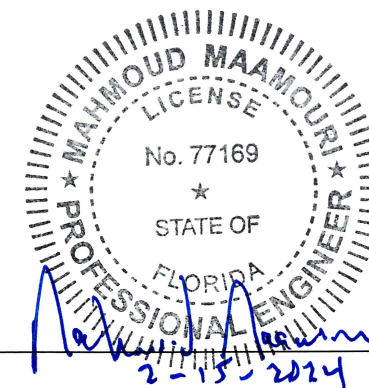


This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

The support system (dashed lines) is not governed by this NOA except as follows:

Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed $L/180$.



PRODUCT REVISED
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By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
P.E. # 77169

APPROVAL STAMP:

NOVUM STAMP:

21OCT20 ZJM SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180
REV. NO. DATE DWG. BY CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #1
SECTION & DETAIL VIEWS

DRAWN BY: BTH DATE: 02MAR10
CHECKED BY: SWK APPROVED BY: SWK
SCALE: 3"=12" PROJECT MANAGER: GB

PROJECT NUMBER: 25-184

SHEET NUMBER: MU500-1

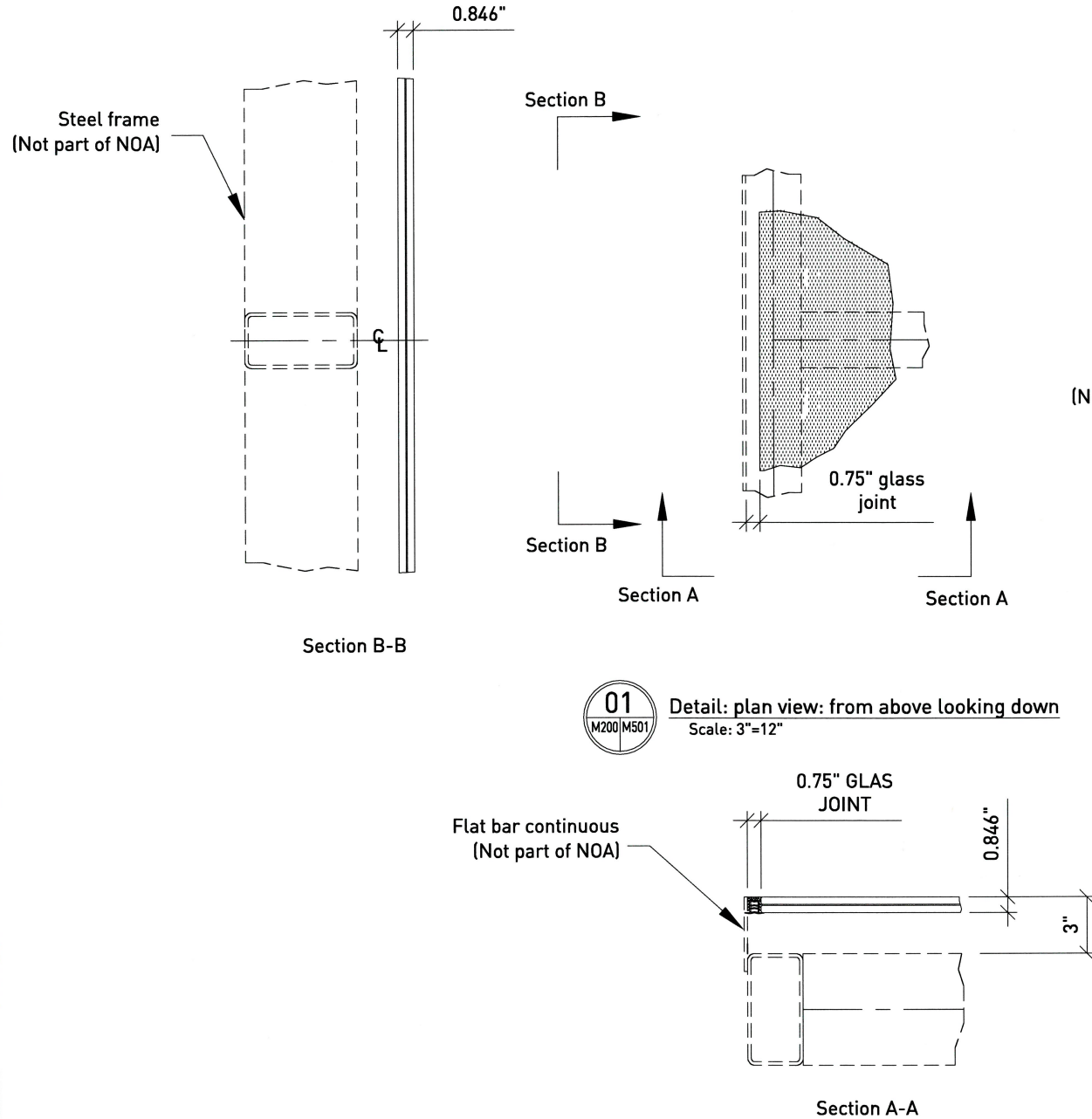
2Nov2023 3:31 PM \\EGNTEDEV\INVENTORY\PSG\2101 CALCS & TESTS\FLORIDA APPROVALS\HG01 - NOA WITH LAMINATED PSG\HG01_2023 FBC_RENEWAL & REVISION\25-184 SKYLIGHT\MU501.DWG

This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

The support system (dashed lines) is not governed by this NOA except as follows:

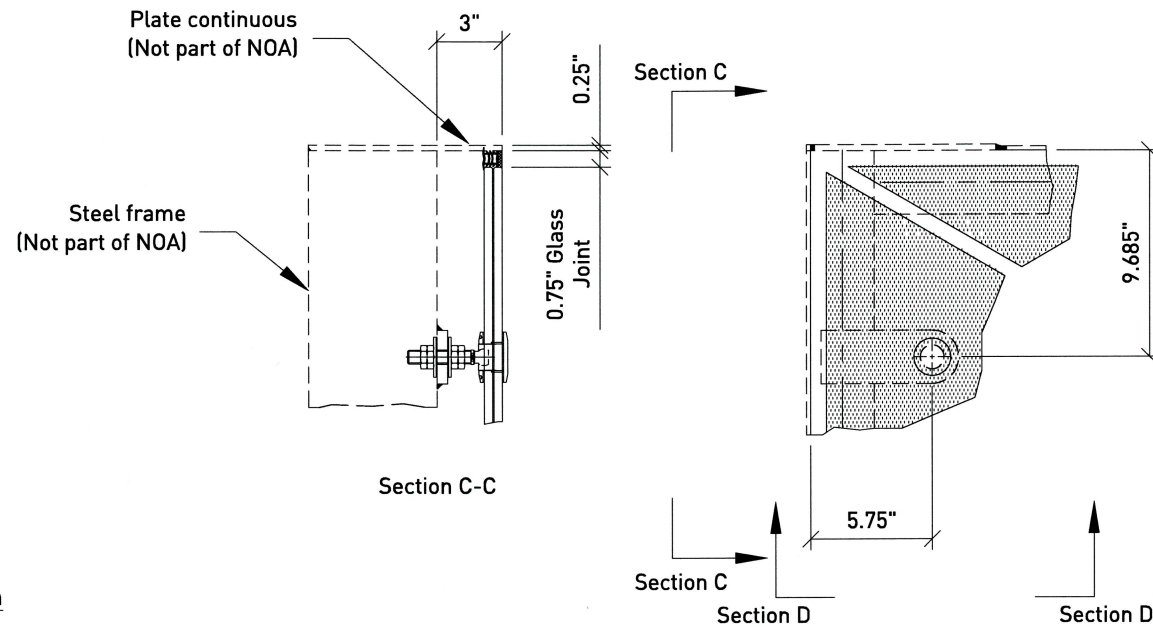
Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed $L/180$.



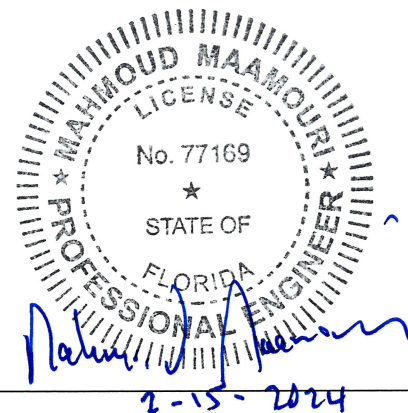
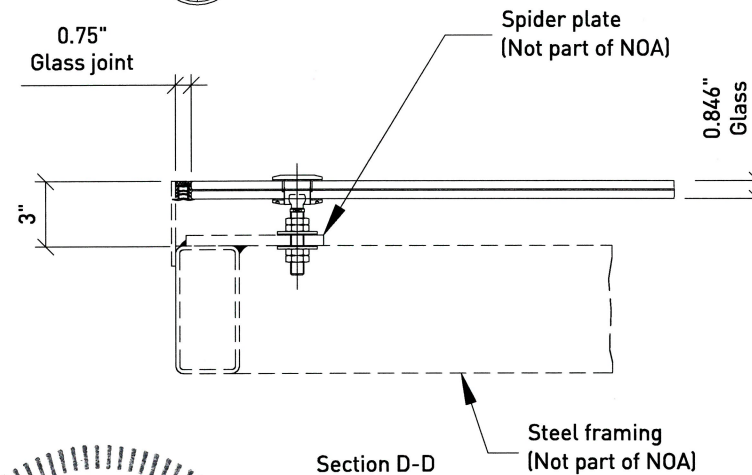
01
M200/M501

Detail: plan view: from above looking down
Scale: 3"=12"



02
M200/M501

Detail: Corner condition
Scale: 3"=12"



PRODUCT REVISED
As complying with the Florida Building Code
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Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
P.E. # 77169

APPROVAL STAMP:

NOVUM STAMP:

21OCT20 ZJM SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180

REV. NO. DATE DWG. BY CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

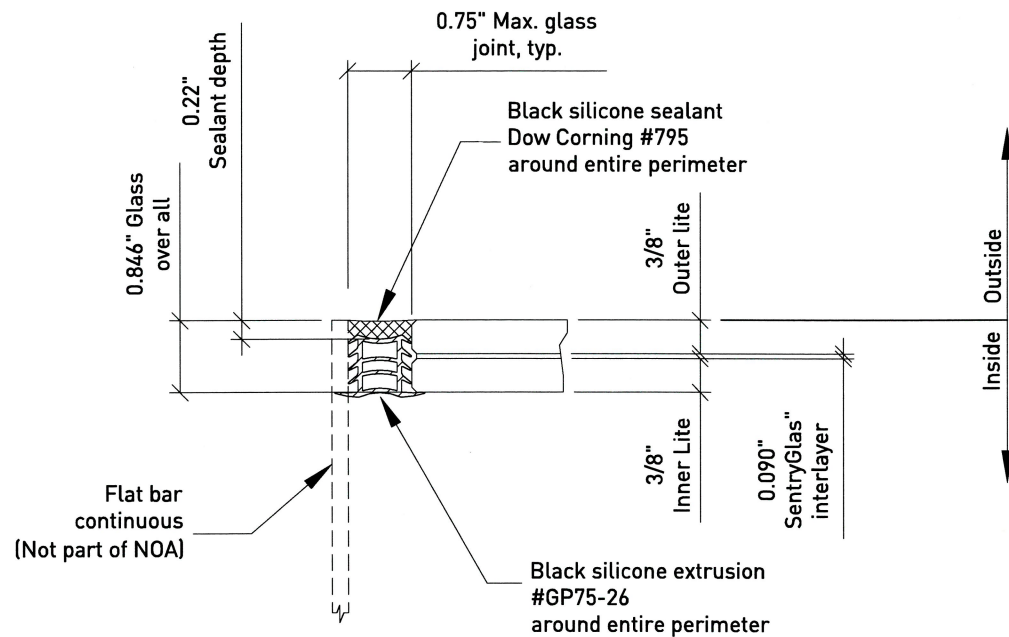
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #1
SECTION & DETAIL VIEWS

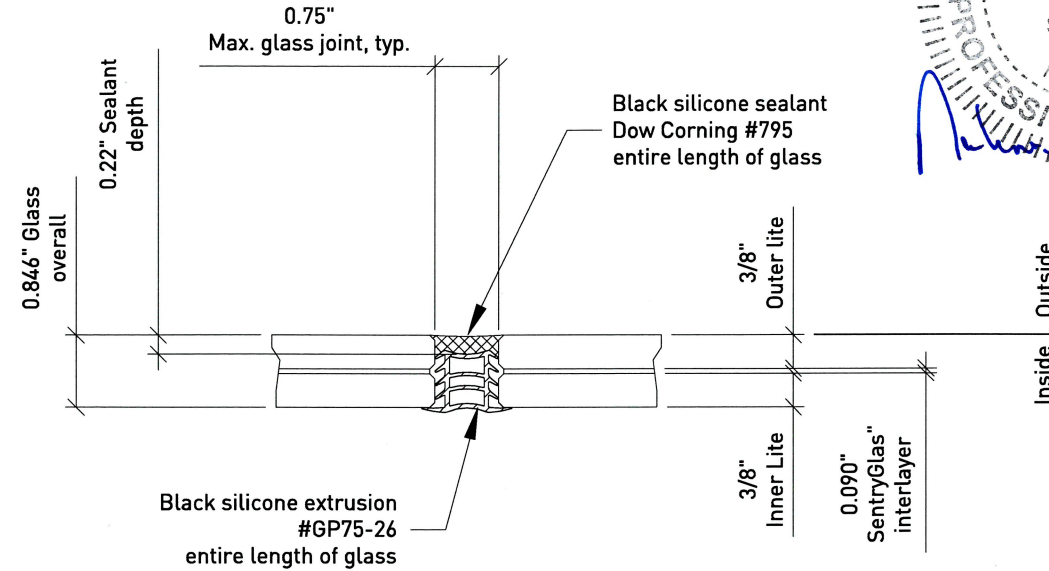
DRAWN BY: BTH DATE: 02MAR10
CHECKED BY: SWK APPROVED BY: SWK
SCALE: 3"=12" PROJECT MANAGER: GB

PROJECT NUMBER:
25-184

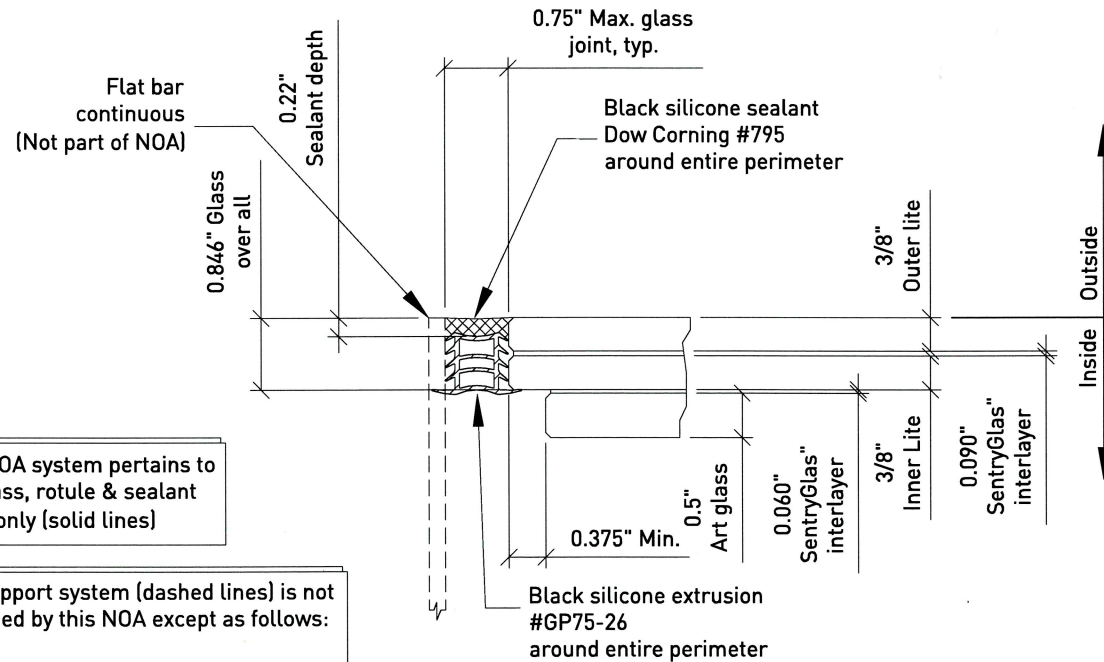
SHEET NUMBER:
MU501-1



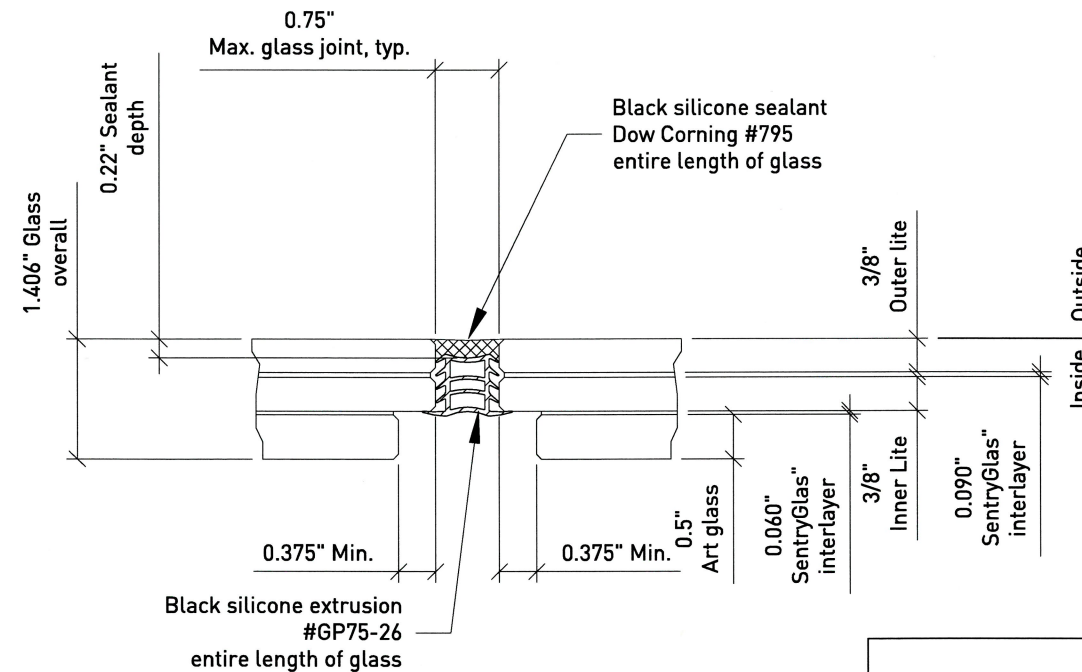
01
M200/M502
Detail: plan view: thru glass joint @ 3/8" + 3/8" glass
Scale: 6"=12"



02
M200/M502
Detail: plan view: thru glass joint @ 3/8" + 3/8" glass
Scale: 6"=12"



03
M502
Detail: Sim to 01 above when using Art glass
Scale: 6"=12"



04
M502
Detail: Sim to 02 above when using Art glass
Scale: 6"=12"

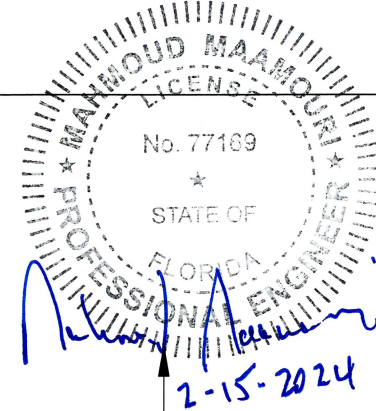
This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

The support system (dashed lines) is not governed by this NOA except as follows:

Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed L/180.

PRODUCT REVISED
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NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control



COMPUTERIZED STRUCTURAL DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
P.E. # 77169

APPROVAL STAMP:

NOVUM STAMP:

21OCT20 ZJM SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180

NOVUM Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM:HG01
SKYLIGHT SYSTEM

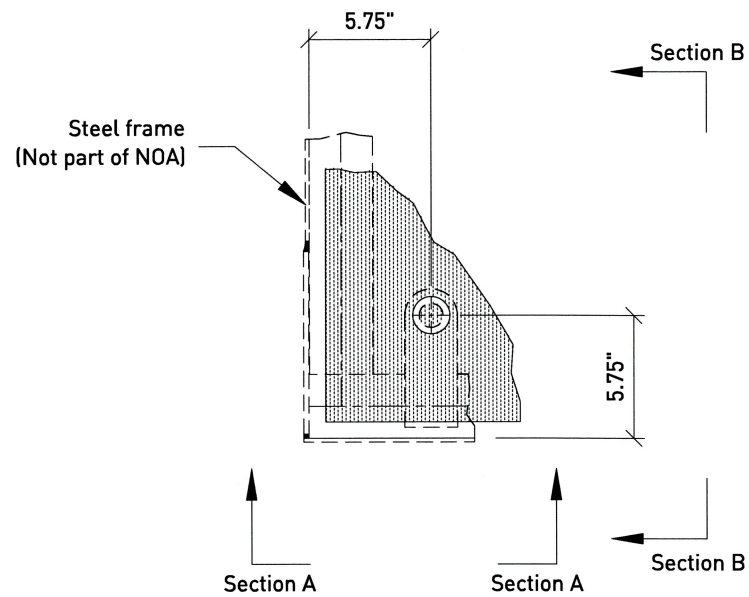
DRAWING DESCRIPTION:
MOCK-UP #1
GLASS JOINT DETAILS

DRAWN BY: BTH DATE: 04MAR10
CHECKED BY: SWK APPROVED BY: SWK
SCALE: FULL PROJECT MANAGER: GB

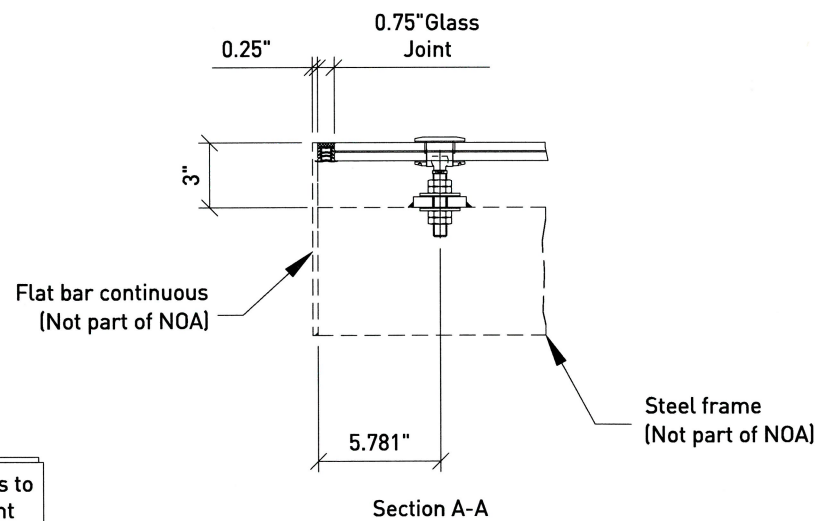
PROJECT NUMBER:
25-184

SHEET NUMBER:
MU502-1

2Nov2023 3:30 PM \\EGN\TDRIVE\INVENTORY\PSG\2101 CALCS & TESTS\FLORIDA APPROVALS\HG01 - NOA WITH LAMINATED PSG\HG01_2023 FBC_RENEWAL & REVISION\25-184 SKYLIGHT\MU510.DWG



01
M210/M510
Detail: Corner condition
Scale: 3"=12"

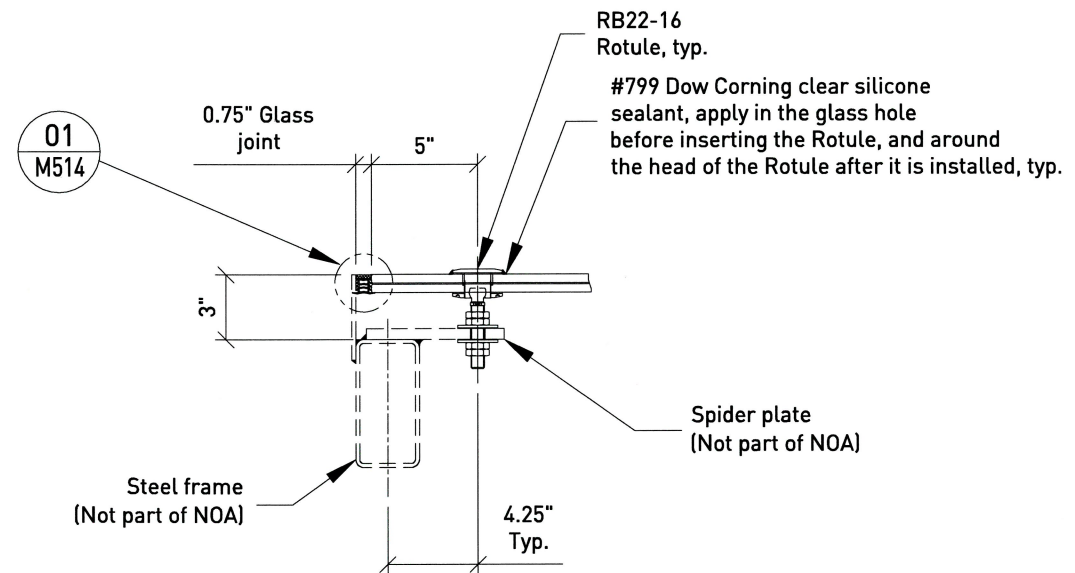
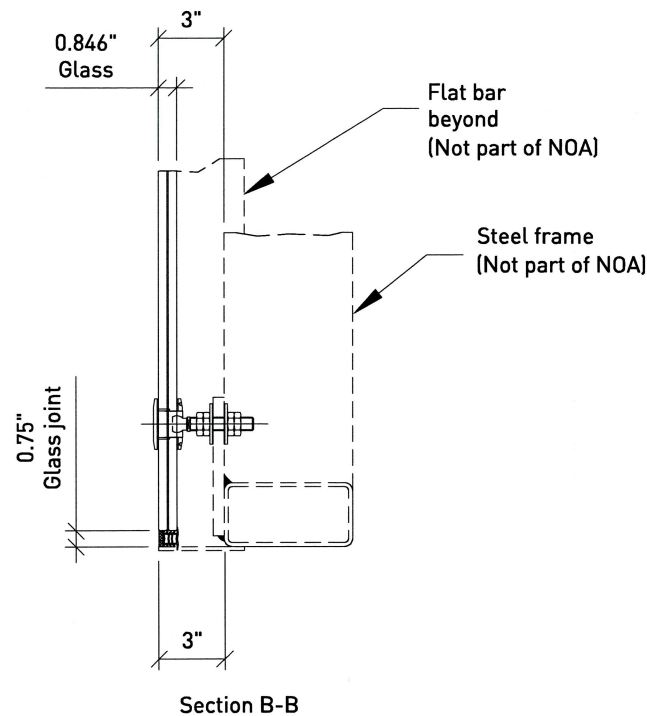


This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

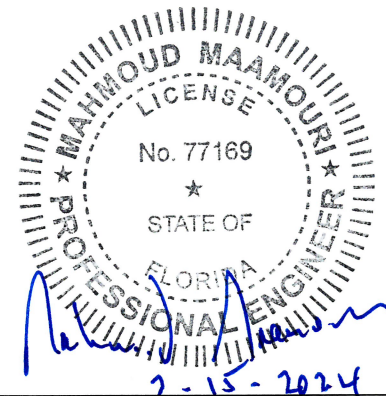
The support system (dashed lines) is not governed by this NOA except as follows:

Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed $L/180$.



02
M210/M510
Section: Typical edge condition @ spider arm
Scale: 3"=12"



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Miami Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

21OCT20 ZJM SWK
CHANGED DEFLECTION LIMIT FROM
L/160 TO L/180
REV. NO. DATE DWG. BY CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

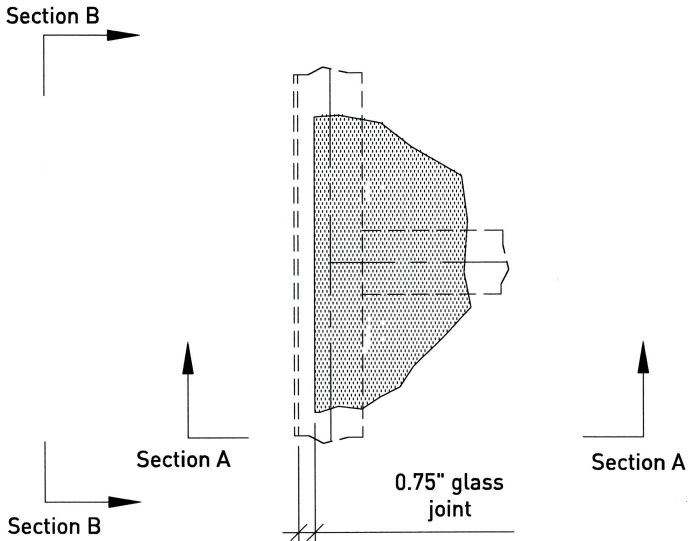
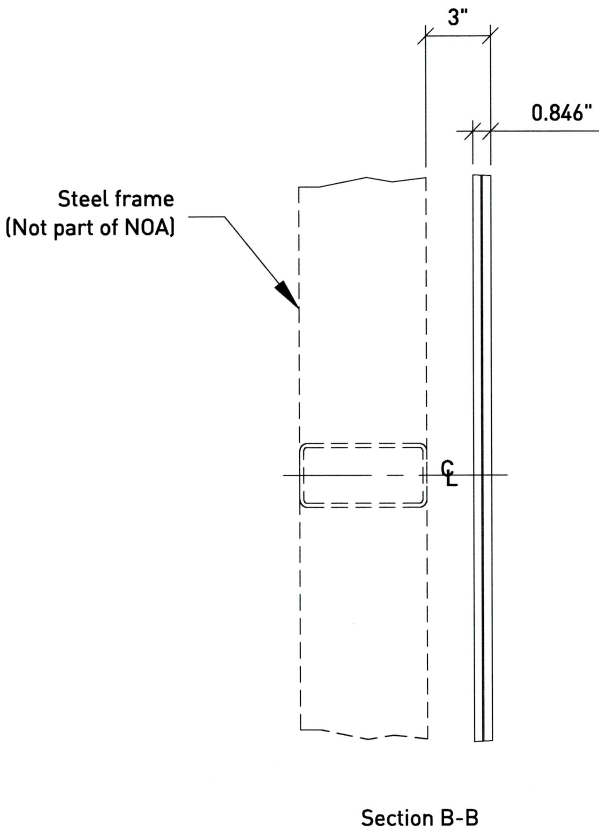
DRAWING DESCRIPTION:
MOCK-UP #2
SECTION & DETAIL VIEWS

DRAWN BY: BTH DATE: 02MAR10
CHECKED BY: SWK APPROVED BY: SWK
SCALE: 3"=12" PROJECT MANAGER: GB

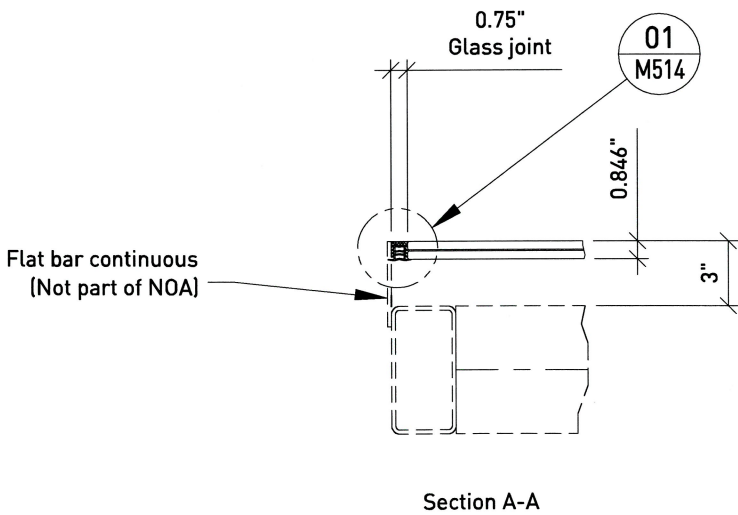
PROJECT NUMBER: 25-184

SHEET NUMBER: MU510-1

2Nov2023 3:29 PM \\EGNTEDRIVE\INVENTORY\PSG\2101 CALCS & TESTS\FLORIDA APPROVAL\SHG01 - NOA WITH LAMINATED PSG\HG01_2023 FBC - RENEWAL & REVISION\25-184



01
M210/M511
Detail: Typical edge connection
Scale: 3"=12"

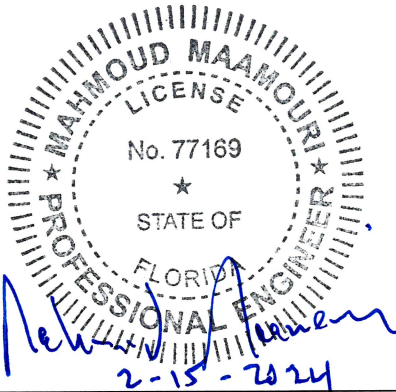


This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

The support system (dashed lines) is not governed by this NOA except as follows:

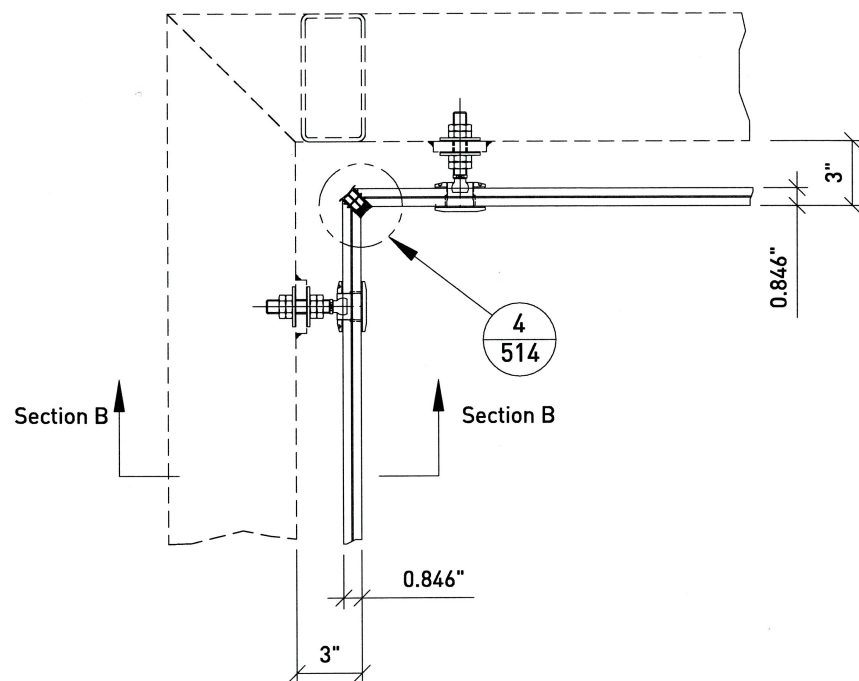
Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed $L/180$.

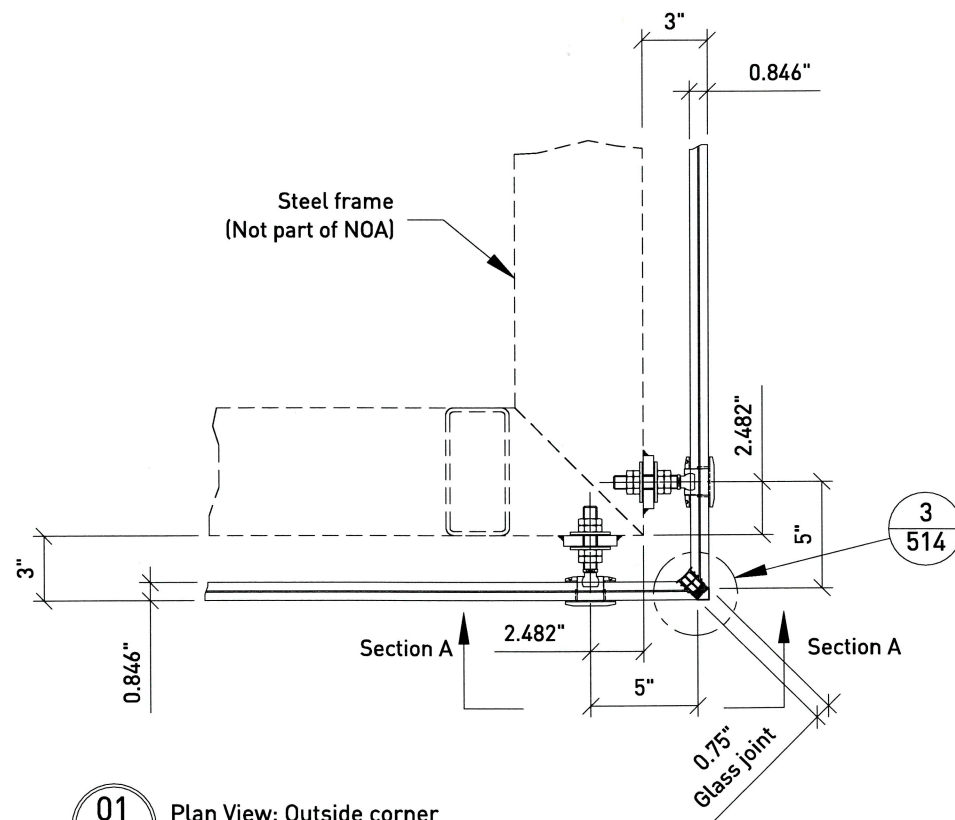
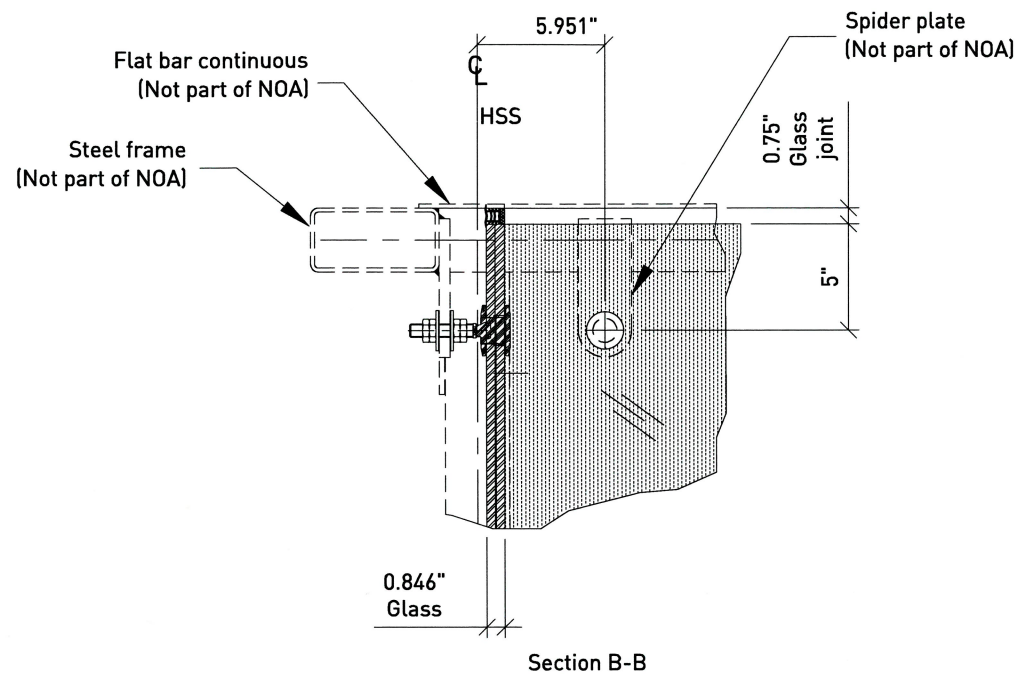


PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

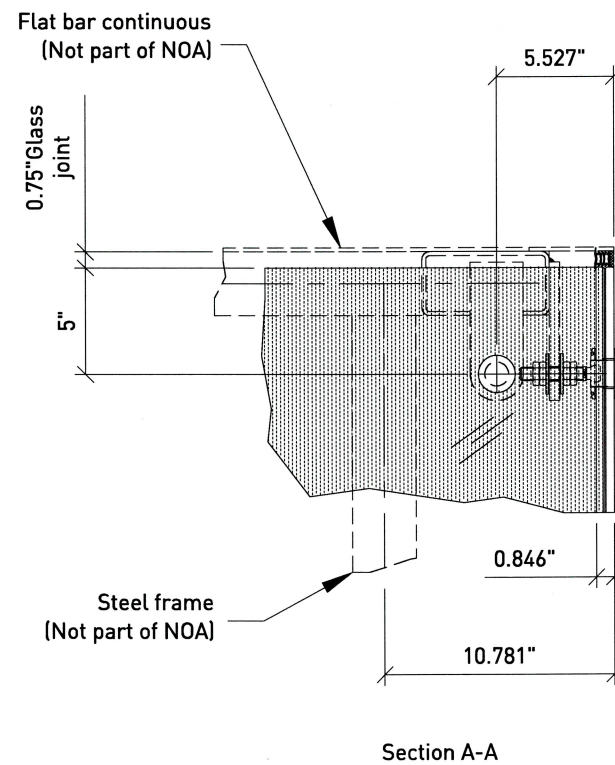
COMPUTERIZED STRUCTURAL DESIGN, INC. 8989 North Port Washington Road Milwaukee, WI 53217 (414) 351-5588 EB-0001982 MAHMOUD MAAMOURI PE. # 77169			
ENGINEER STAMP:			
APPROVAL STAMP:			
NOVUM STAMP:			
21OCT20 ZJM SWK CHANGED DEFLECTION LIMIT FROM L/180 TO L/160 REV. NO. DATE DWG. BY CHK. BY Novum Structures LLC W126 N8585 Westbrook Crossing Menomonee Falls, WI 53051 USA T 262.255.5561 www.novumstructures.com info@novumstructures.com NOVUM PROJECT: NOVUM'S HURRICANE PSG GLASS SYSTEM: HG01 SKYLIGHT SYSTEM DRAWING DESCRIPTION: MOCK-UP #2 SECTION & DETAIL VIEWS DRAWN BY: BTH DATE: 02MAR10 CHECKED BY: SWK APPROVED BY: SWK SCALE: 3"=12" PROJECT MANAGER: GB PROJECT NUMBER: 25-184 SHEET NUMBER: MU511-1			



02 Plan View: Inside corner
Scale: 3"=12"



01 Plan View: Outside corner
Scale: 3"=12"

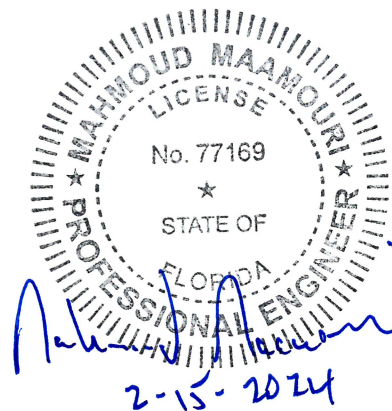


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Deflection of support framing not to exceed L/180.



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By: *Manuel Perez*
Miami-Dade Product Control

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8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

21OCT20 ZJM SWK
CHANGED DEFLECTION LIMIT FROM
L/160 TO L/180

REV. NO. DATE DWG. BY CHK. BY

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T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #2
SECTION & DETAIL VIEWS

DRAWN BY: BTH DATE: 02MAR10

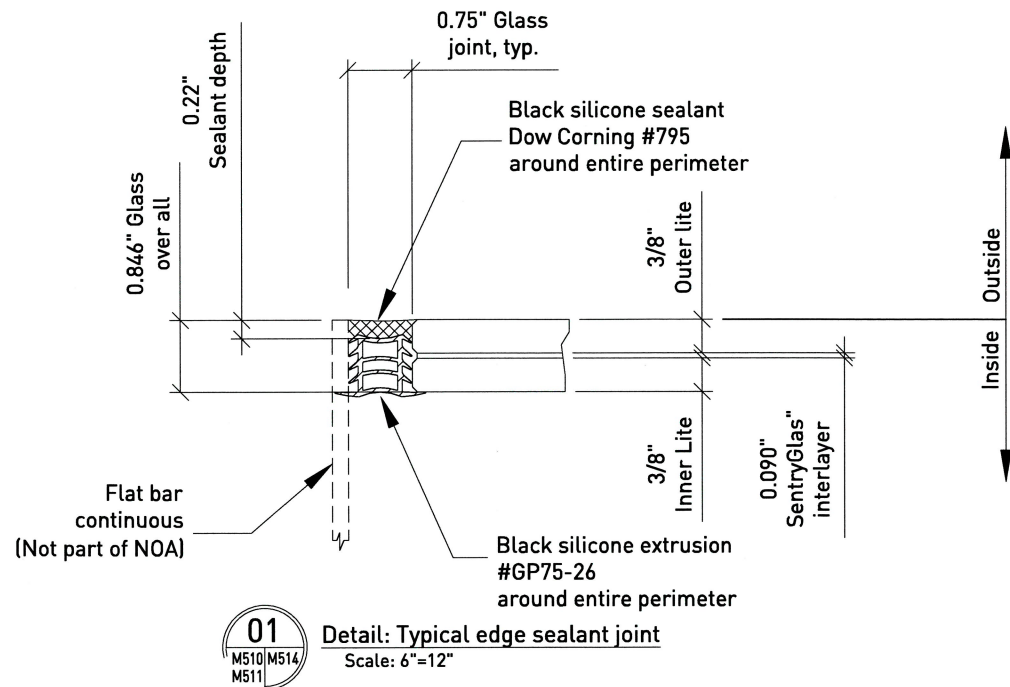
CHECKED BY: SWK APPROVED BY: SWK

SCALE: 3"=12" PROJECT MANAGER: GB

PROJECT NUMBER: 25-184

SHEET NUMBER:

MU512-1



01
M510/M514
M511

Detail: Typical edge sealant joint

Scale: 6"=12"

This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

The support system (dashed lines) is not governed by this NOA except as follows:

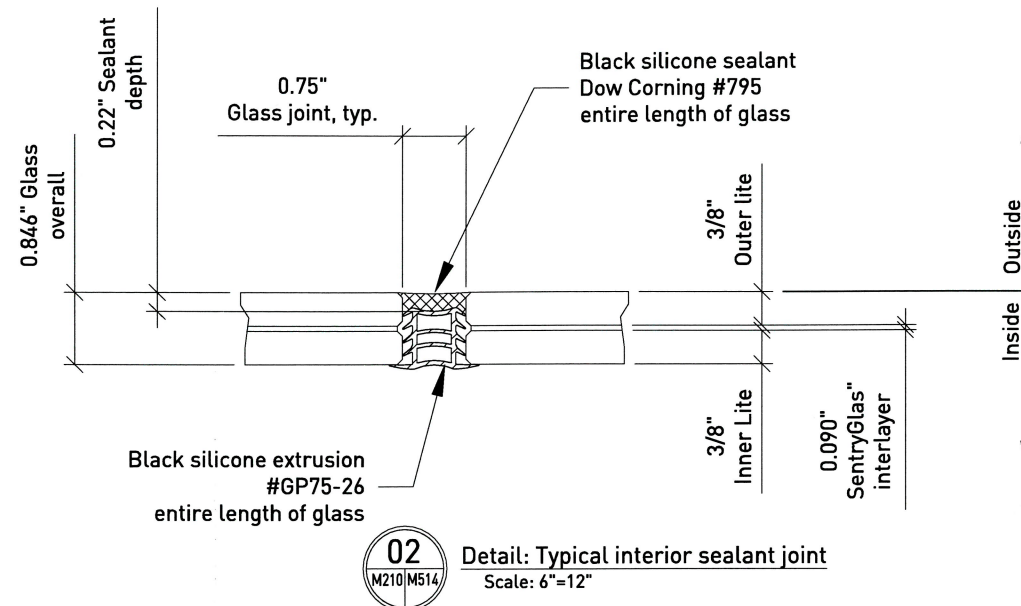
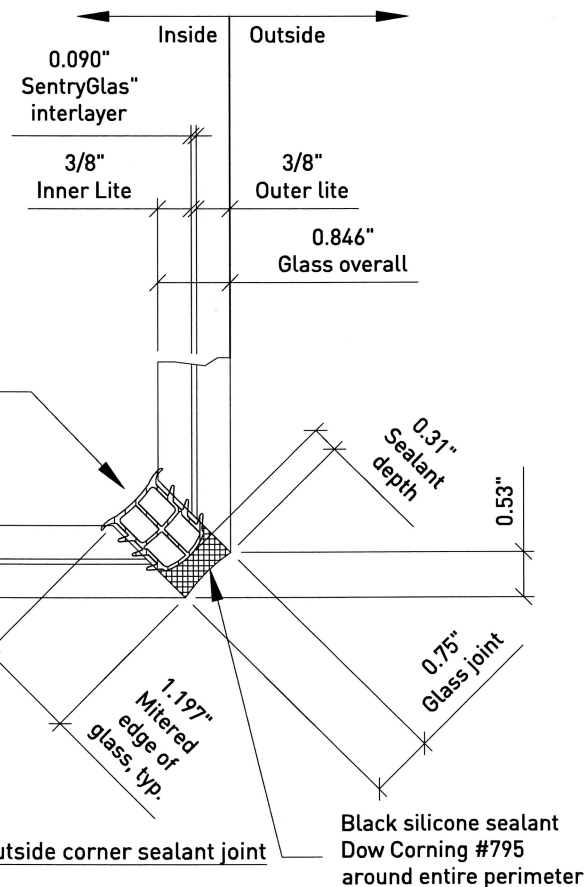
Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed $L/180$.

03
M512/M514B

Detail: Typical outside corner sealant joint

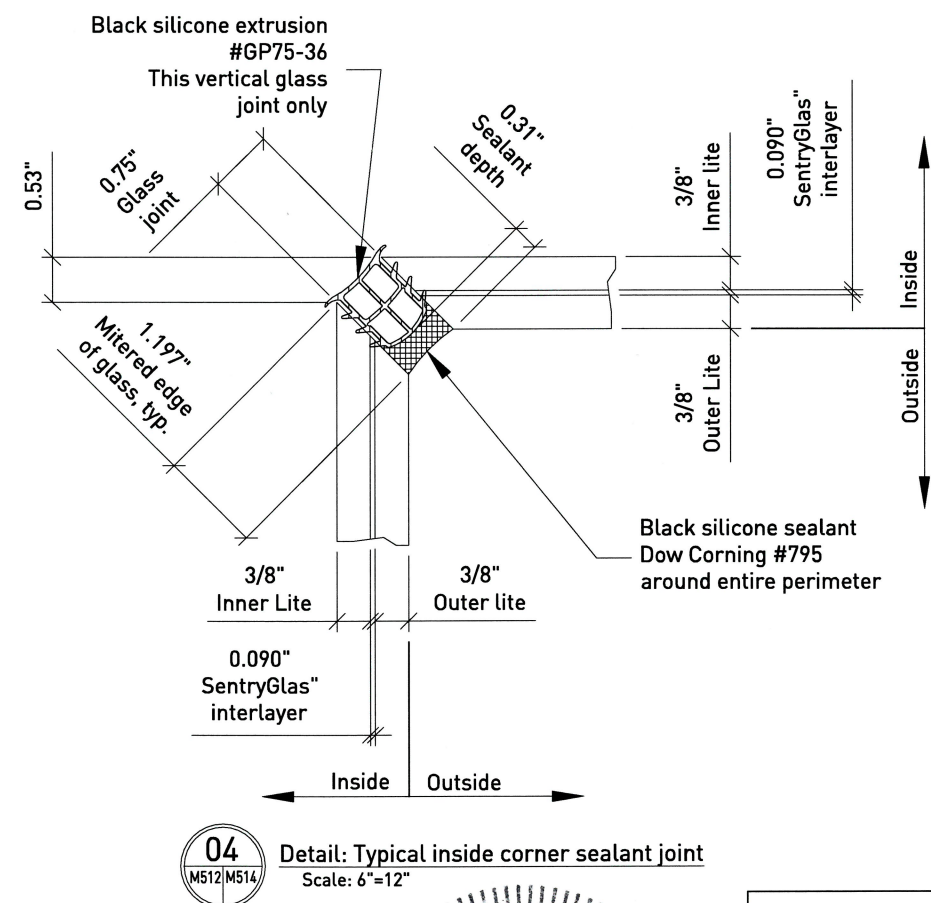
Scale: 6"=12"



02
M210/M514

Detail: Typical interior sealant joint

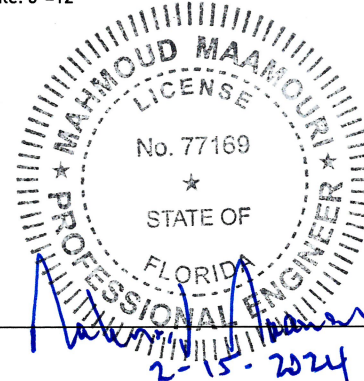
Scale: 6"=12"



04
M512/M514

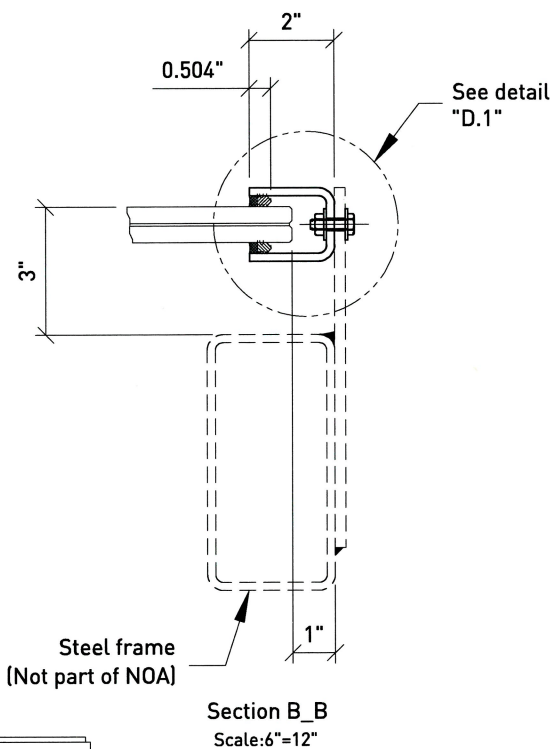
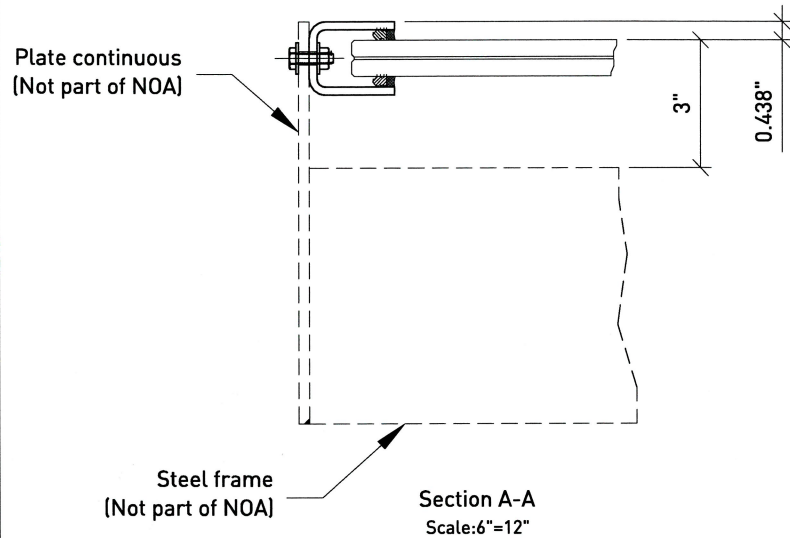
Detail: Typical inside corner sealant joint

Scale: 6"=12"



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 24-0102.04
Expiration Date: 09/08/2026
By: *Manuel Perez*
Miami Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC. 8969 North Port Washington Road Milwaukee, WI 53217 (414) 351-5588 EB-0001982 MAHMOUD MAAMOURI P.E. # 77169			
ENGINEER STAMP:			
APPROVAL STAMP:			
NOVUM STAMP:			
21OCT20 ZJM SWK CHANGED DEFLECTION LIMIT FROM L/160 TO L/180 REV. NO. DATE DWG. BY CHK. BY Novum Structures LLC W126 N8585 Westbrook Crossing Menomonee Falls, WI 53051 USA T 262.255.5561 www.novumstructures.com info@novumstructures.com NOVUM PROJECT: NOVUM'S HURRICANE PSG GLASS SYSTEM:H601 SKYLIGHT SYSTEM DRAWING DESCRIPTION: MOCK-UP #2 GLASS JOINT DETAILS DRAWN BY: BTH DATE: 04MAR10 CHECKED BY: SWK APPROVED BY: SWK SCALE: FULL PROJECT MANAGER: GB PROJECT NUMBER: 25-184 SHEET NUMBER: MU514-1			

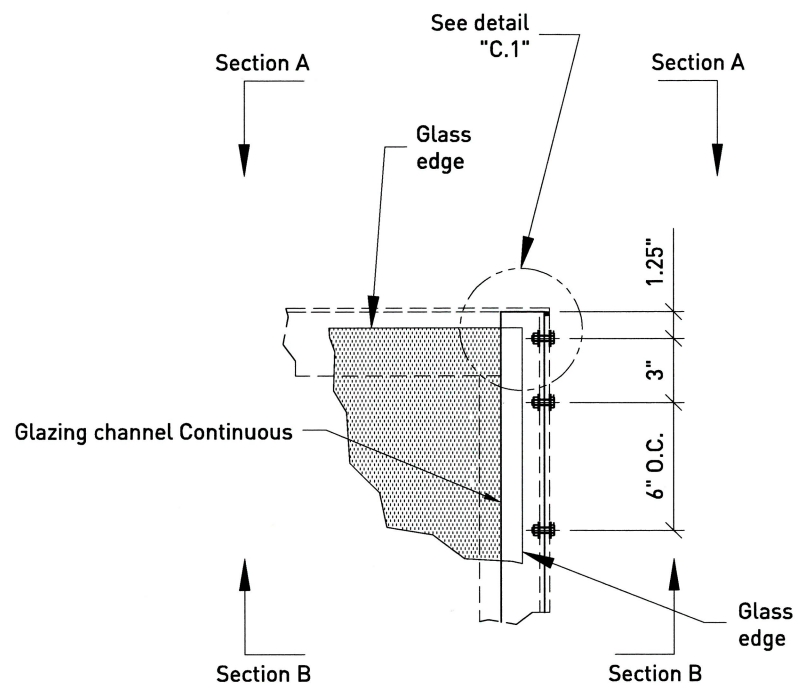


This NOA system pertains to the glass, rotule, glazing channel & sealant joints only (solid lines)

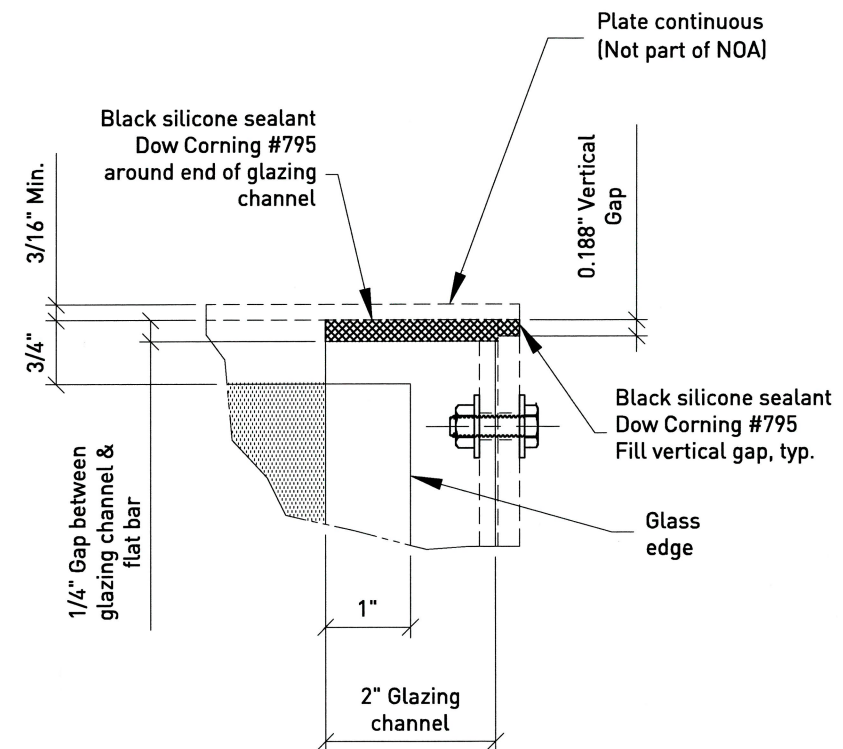
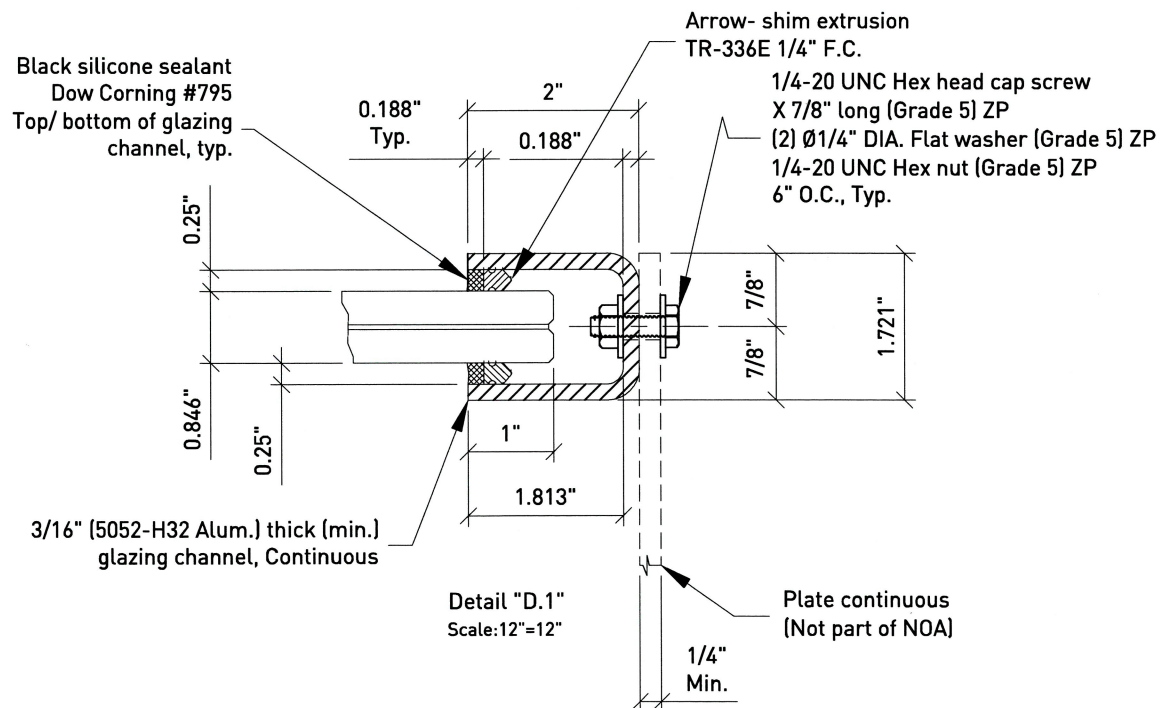
The support system (dashed lines) is not governed by this NOA except as follows:

Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

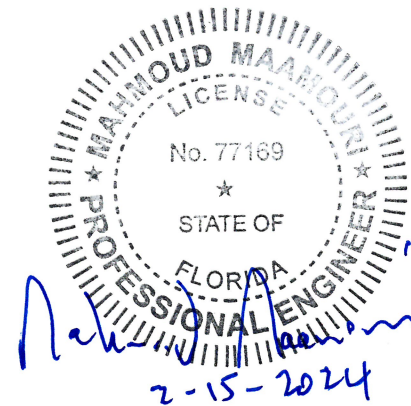
Deflection of support framing not to exceed $L/180$.



Detail: Typical corner glazing channel detail
Scale: 3"=12"



Detail "C.1"
Scale: 12"=12"



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Torres*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

21OCT20 ZJM SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180

REV. NO. DATE DWG. BY CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

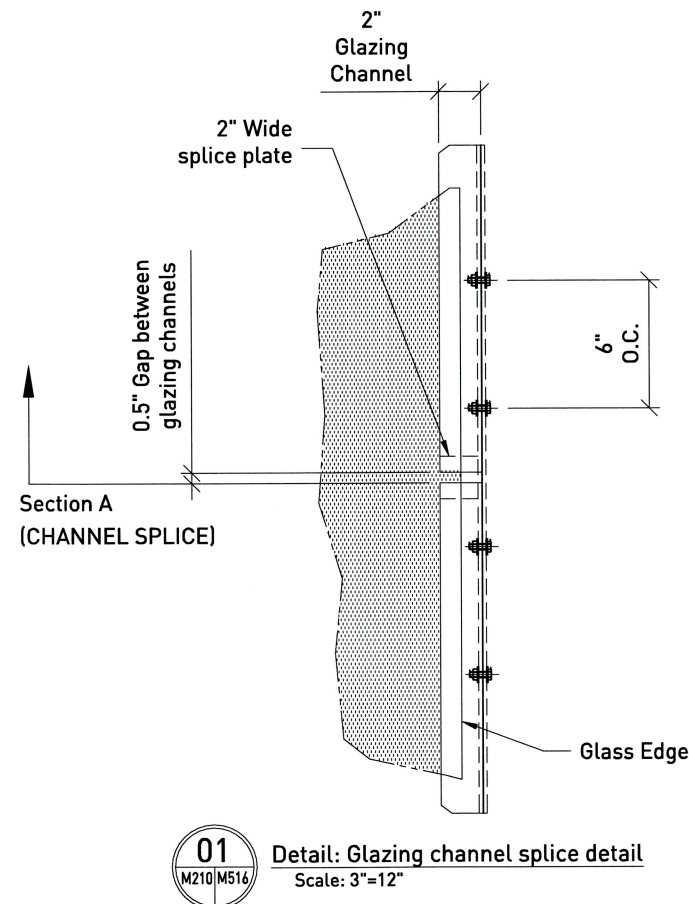
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK- UP #2
SECTION & DETAIL VIEWS

DRAWN BY: BTH DATE: 02MAR10
CHECKED BY: SWK APPROVED BY: SWK
SCALE: 3"=12" PROJECT MANAGER: GB

PROJECT NUMBER: 25-184

SHEET NUMBER: MU515-1

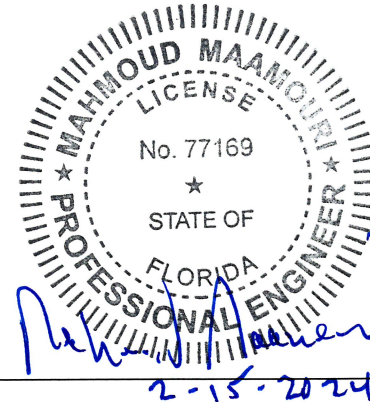
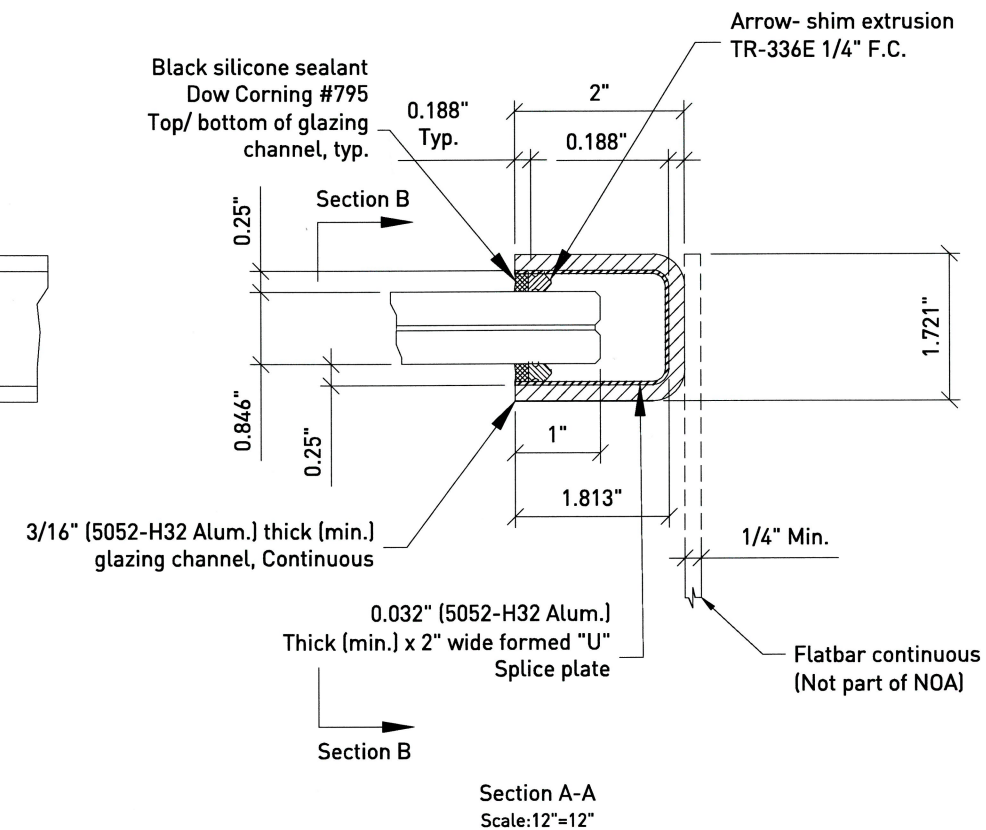
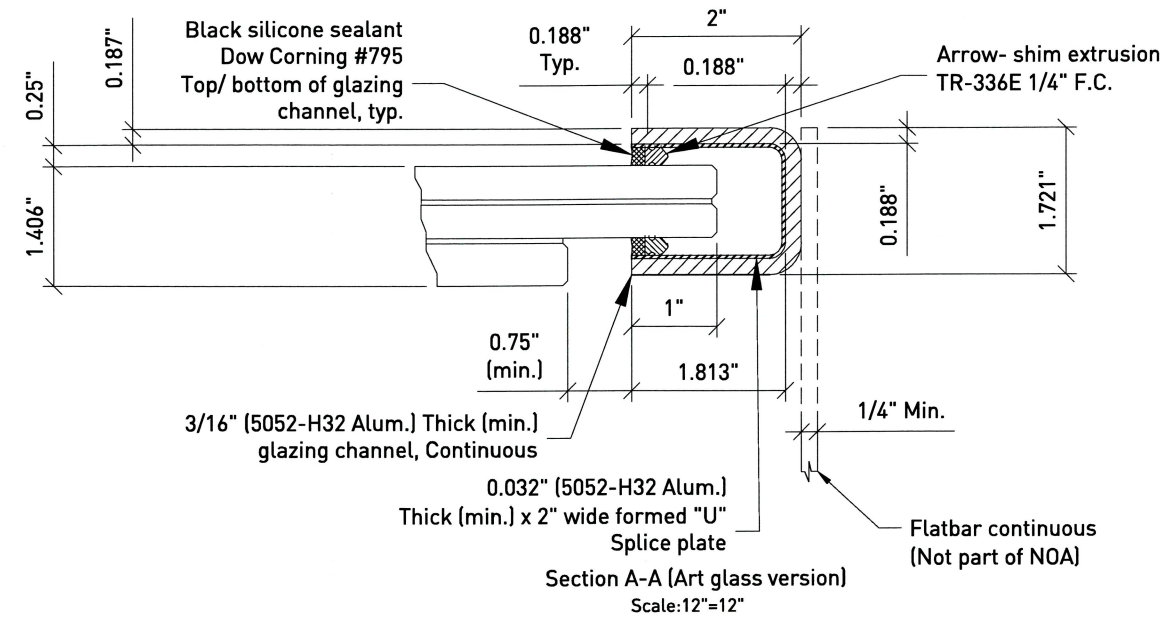
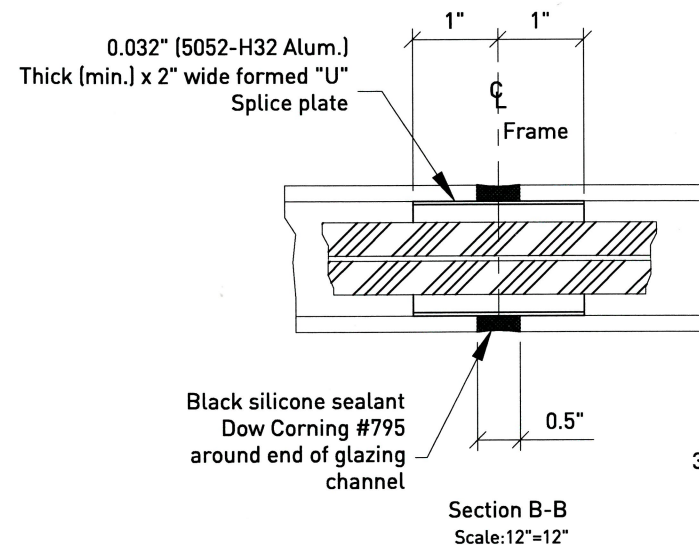


This NOA system pertains to the glass, rotule, glazing channel & sealant joints only (solid lines)

The support system (dashed lines) is not governed by this NOA except as follows:

Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed $L/180$.




PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 24-0102.04
Expiration Date: 09/08/2026
By: Manuel Perez
Miami-Dade Product Control

**COMPUTERIZED STRUCTURAL
DESIGN, INC.**
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE. # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
REV.NO.	DATE	DWG.BY	CHK.BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

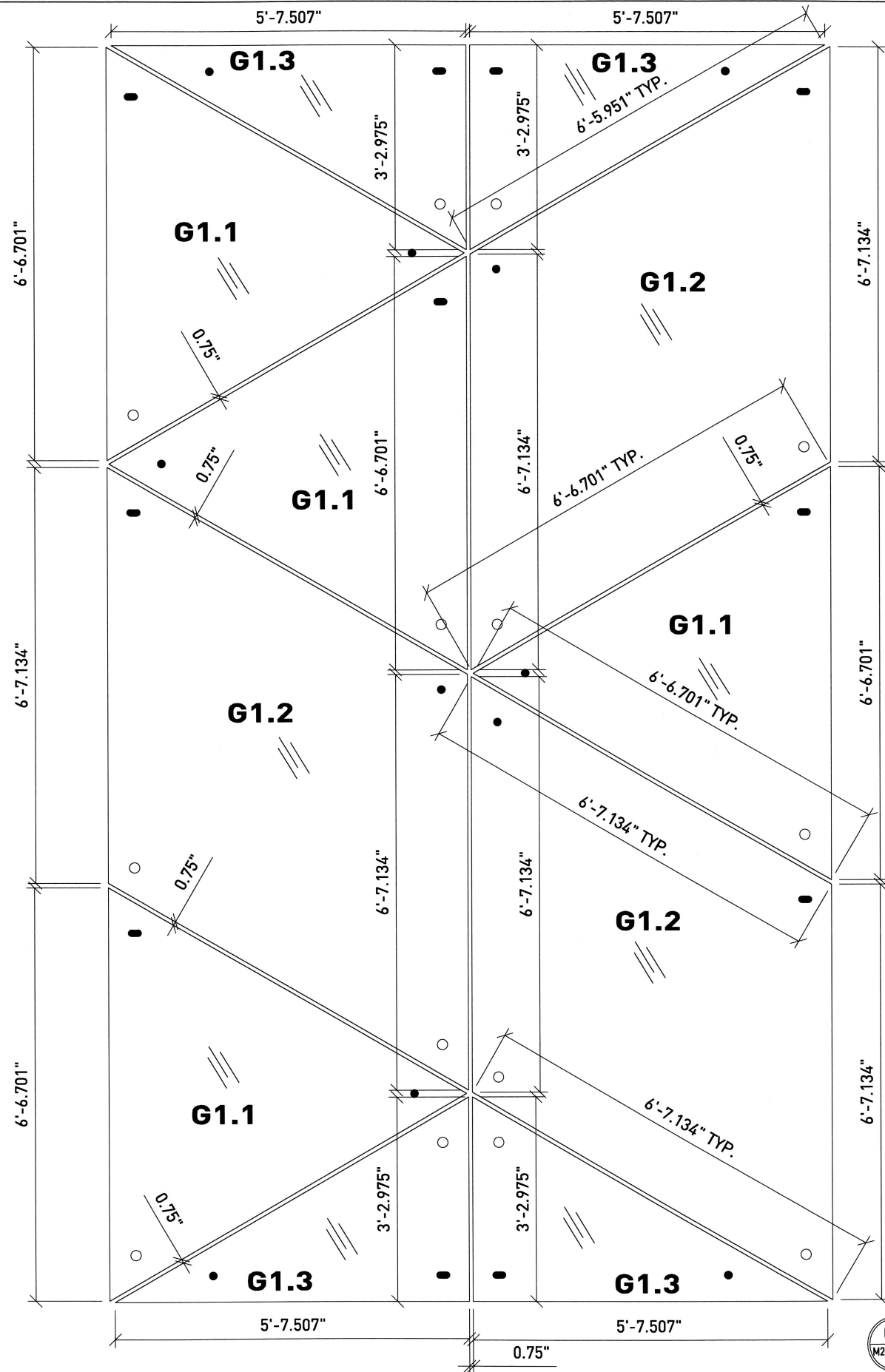
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK- UP #2
SECTION & DETAIL VIEWS

DRAWN BY: BTH	DATE: 02MAR10
CHECKED BY: SWK	APPROVED BY: SWK
SCALE: 3"=12"	PROJECT MANAGER: GB
PROJECT NUMBER:	

PROJECT NUMBER: 25-184

SHEET NUMBER:
MU516-1

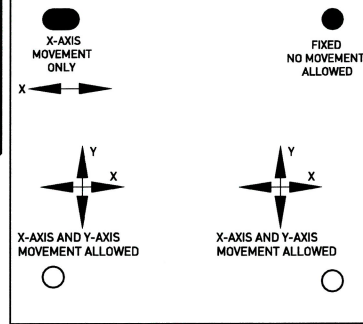


01
M200 M700

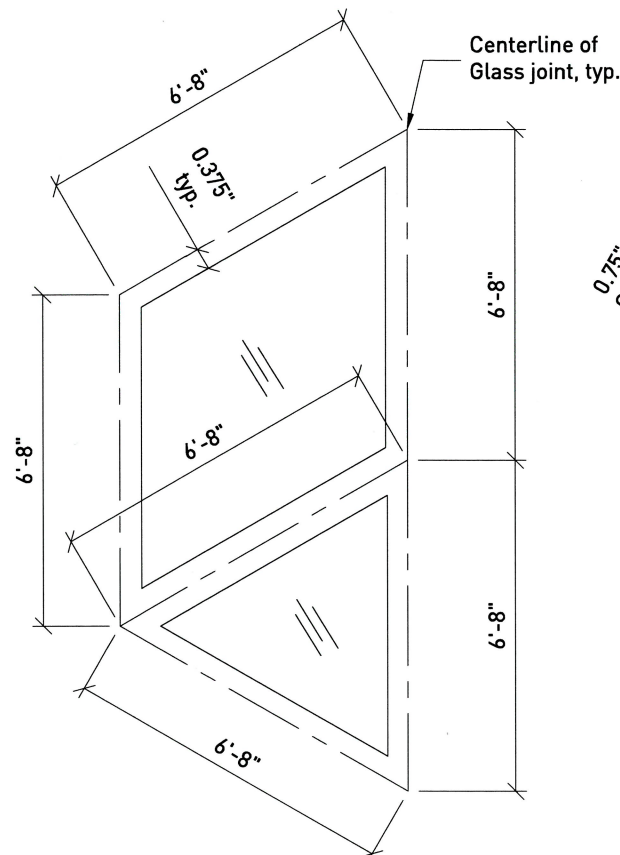
Glass layout and dimensions
Scale: 1"=12"

SYMBOL KEY

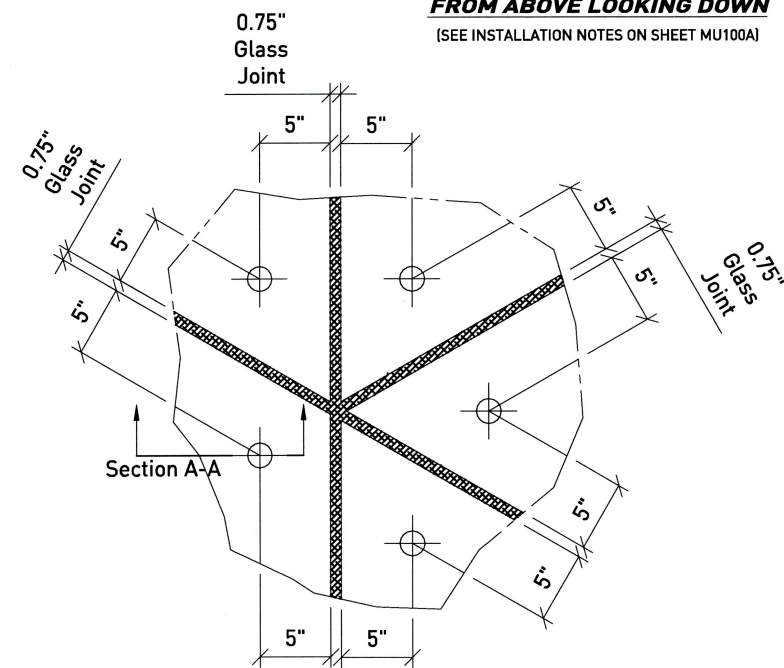
- SLOTTED HOLE IN SPIDER
- OVERSIZED HOLE IN SPIDER
- FIXED HOLE IN SPIDER



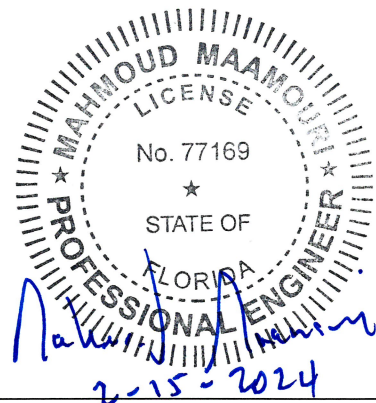
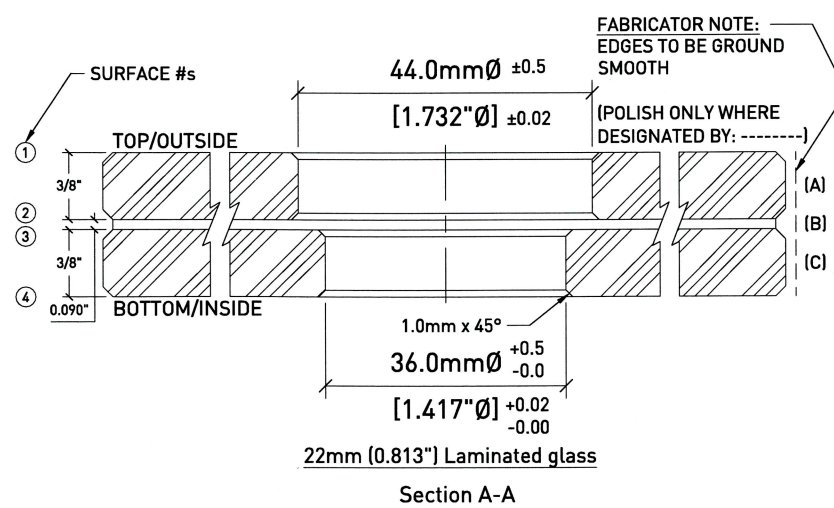
**VIEW OF ONE GLASS PANE
FROM ABOVE LOOKING DOWN**
(SEE INSTALLATION NOTES ON SHEET MU100A)



Detail: Basis of glass layout



Detail: Basis of Center of Hole to edge of glass



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169
ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

REVISION COMMENTS			
REV. NO.	DATE	DWG. BY	CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

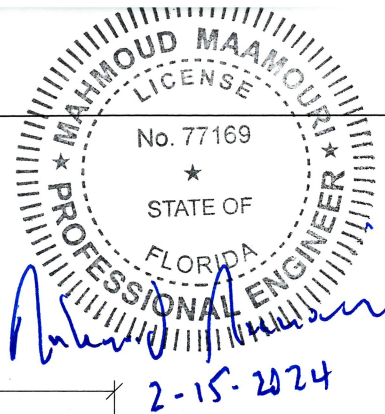
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #1
GLASS LAYOUT &
DIMENSIONS

DRAWN BY: BTH	DATE: 02MAR10
CHECKED BY: SWK	APPROVED BY: SWK
SCALE: 1"=12"	PROJECT MANAGER: GB

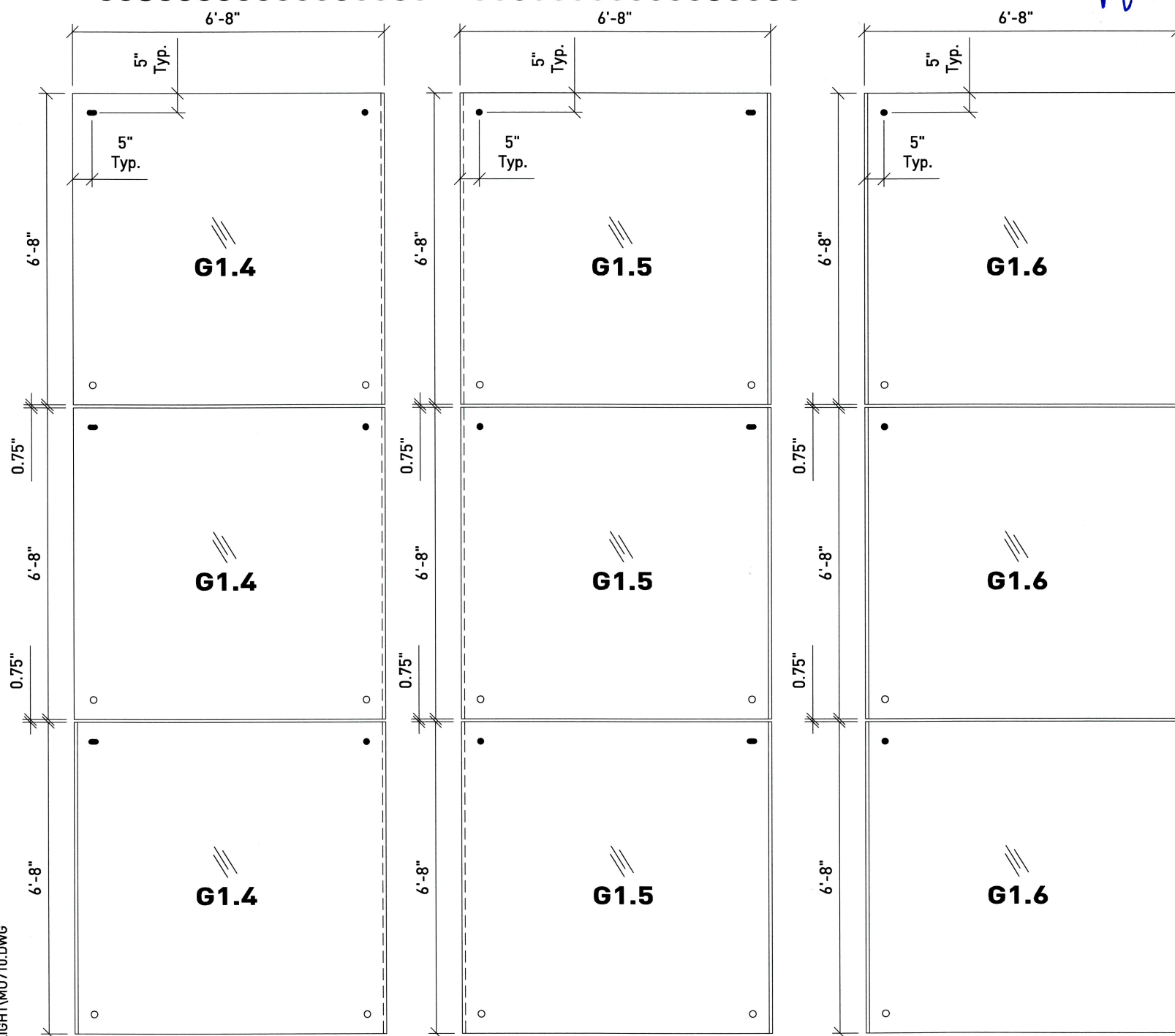
PROJECT NUMBER:
25-184

SHEET NUMBER:
MU700-0



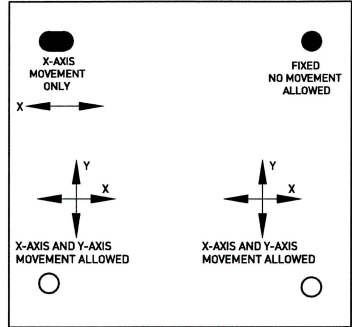
Dashed lines = Far side chamfered edge of glass, typ.

Solid lines = Near side chamfered edge of glass, typ.

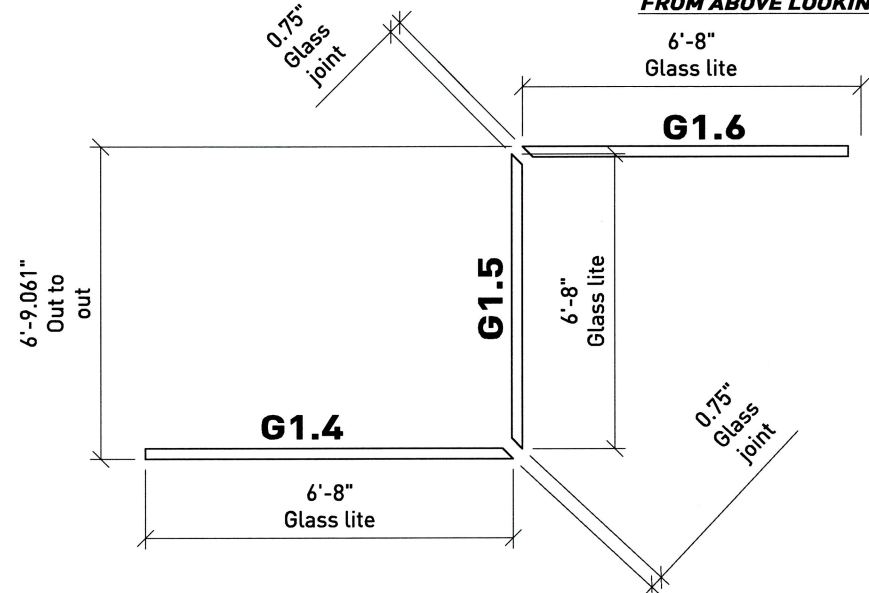


01 Glass layout and dimensions
Scale: 3/4"=12"

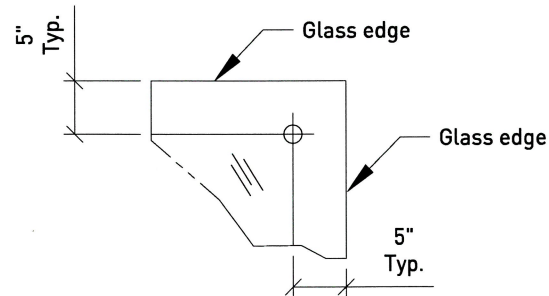
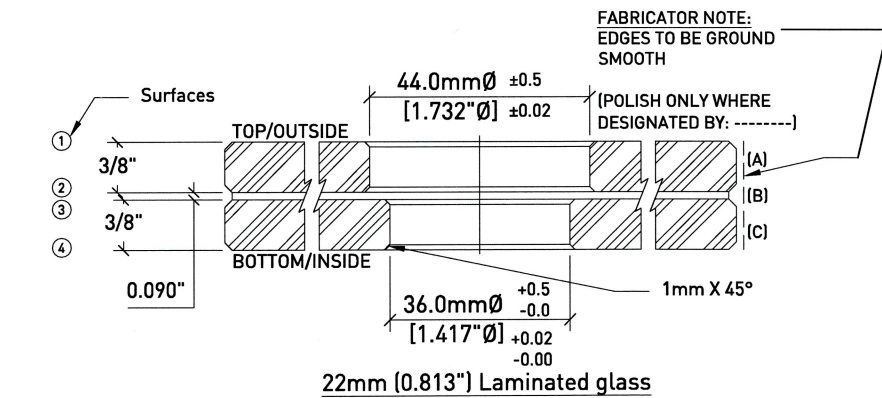
SYMBOL KEY	
●	SLOTTED HOLE IN SPIDER
○	OVERSIZED HOLE IN SPIDER
●	FIXED HOLE IN SPIDER



VIEW OF ONE GLASS PANE
FROM ABOVE LOOKING DOWN



GLASS LEGEND
FROM ABOVE LOOKING DOWN



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

APPROVAL STAMP:

NOVUM STAMP:

REVISION COMMENTS			
REV. NO.	DATE	DWG. BY	CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #2
GLASS LAYOUT &
DIMENSIONS

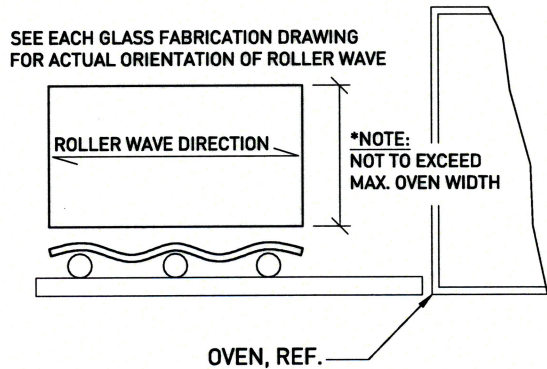
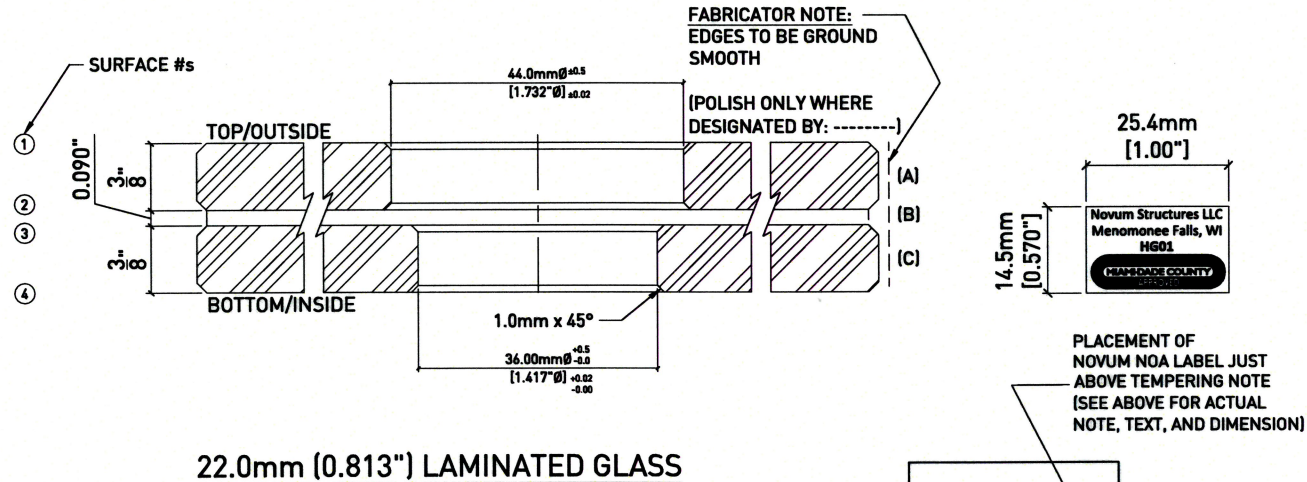
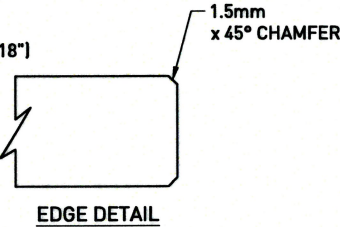
DRAWN BY:	BTH	DATE:	02MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	3/4"=12"	PROJECT MANAGER:	GB

PROJECT NUMBER:
25-184

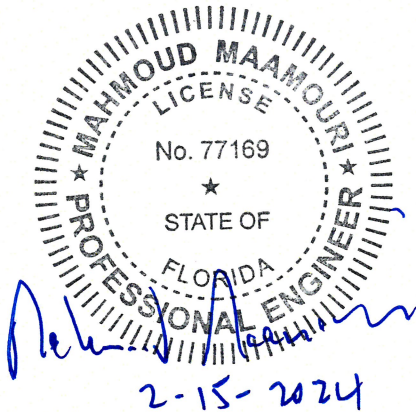
SHEET NUMBER:
MU710-0

GLASS SPECIFICATION:
(A.) 3/8" CLEAR OUTER LITE - FULLY TEMPERED, OPTIONAL DOT FRIT OR LINE FRIT ON SURFACE #2, UP TO 50% MAXIMUM COVERAGE.
(B.) 0.090" CLEAR OR WHITE Kuraray SentryGlas interlayer by Kuraray America, Inc. PER NOA NO. 23-0717.30
(C.) 3/8" CLEAR INNER LITE - FULLY TEMPERED
ALL GLASS PANELS WITH CHAMFERED AND GROUND EDGES AND (3) THREE OR (4) FOUR DRILLED HOLES

TOLERANCES:
±1.5mm (±0.06") FOR WIDTH AND LENGTH FOR GLASS DIMENSIONS LESS THAN 1500mm (59")
±2.0mm (±0.08") FOR WIDTH AND LENGTH FOR GLASS DIMENSIONS BETWEEN 1500mm (59") AND 3000mm (118")
±2.0mm (±0.08") FOR DIAGONALS FOR GLASS DIMENSIONS LESS THAN 1500mm (59")
±3.0mm (±0.12") FOR DIAGONALS FOR GLASS DIMENSIONS BETWEEN 1500mm (59") AND 3000mm (118")
TOTAL LAMINATED GLASS THICKNESS: ±0.5mm (±0.02")
LAMINATION ALIGNMENT: ±1.5mm (±0.06")
LOCATION OF HOLES: ±2.0mm (±0.08")
(INCLUSIVE OF ALL OTHER LAMINATION AND DIMENSIONAL TOLERANCES)
REFER TO NOVUM MANUFACTURING SPECIFICATION NS105 FOR TOLERANCE AND MANUFACTURING REQUIREMENTS



GLASS PANELS SEEN FROM ABOVE/ OUTSIDE
NOTE: PLEASE MAKE SURE PLACEMENT OF TEMPERING NOTE SHALL BE VISIBLE AND WILL NOT INTERFERE WITH THE LAMINATION PROCESS



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

APPROVAL STAMP:

NOVUM STAMP:

03NOV23	FAR	FP
UPDATED SG NOA # & ADDED FRIT		
21OCT20	ZJM	SWK
UPDATED SGP NOA NO.		
REV.NO.	DATE	DWG.BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

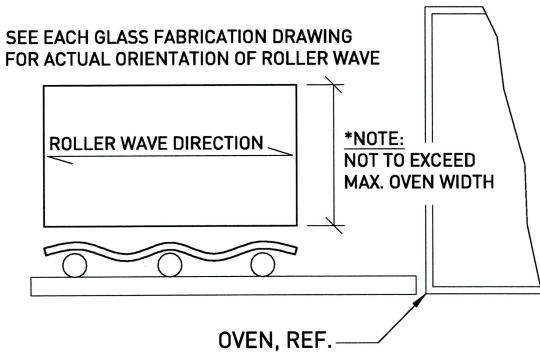
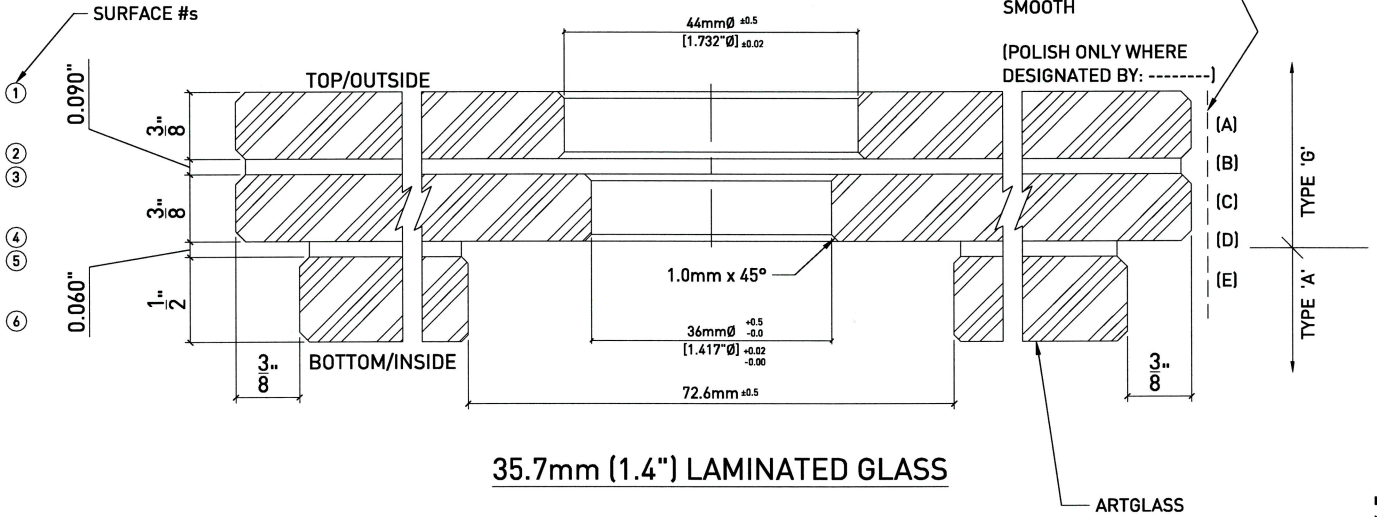
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
GLASS MAKE- UP SHEET

DRAWN BY:	DATE:
BTH	22JUL11
CHECKED BY:	APPROVED BY:
SWK	SWK
SCALE:	PROJECT MANAGER:
NONE	GB
PROJECT NUMBER:	
25-184	
SHEET NUMBER:	
MU800-2	

GLASS SPECIFICATION:
(A.) 3/8" CLEAR OUTER LITE - FULLY TEMPERED
(B.) 0.090" CLEAR OR WHITE Kuraray SentryGlas Interlayer by Kuraray America, Inc. PER NOA NO. 23-0717.30
(C.) 3/8" CLEAR INNER LITE - FULLY TEMPERED
(D.) 0.060" CLEAR OR WHITE Kuraray SentryGlas Interlayer by Kuraray America, Inc. PER NOA NO. 23-0717.30
(E.) 1/2" CLEAR INNER LITE - FULLY TEMPERED
ALL GLASS PANELS WITH CHAMFERED AND GROUND EDGES AND (3) THREE OR (4) FOUR DRILLED HOLES

TOLERANCES:
±1.5mm (±0.06") FOR WIDTH AND LENGTH FOR GLASS DIMENSIONS LESS THAN 1500mm (59")
±2.0mm (±0.08") FOR WIDTH AND LENGTH FOR GLASS DIMENSIONS BETWEEN 1500mm (59") AND 3000mm (118")
±2.0mm (±0.08") FOR DIAGONALS FOR GLASS DIMENSIONS LESS THAN 1500mm (59")
±3.0mm (±0.12") FOR DIAGONALS FOR GLASS DIMENSIONS BETWEEN 1500mm (59") AND 3000mm (118")
TOTAL LAMINATED GLASS THICKNESS: ±0.5mm (±0.02")
LAMINATION ALIGNMENT: ±1.5mm (±0.06")
LOCATION OF HOLES: ±2.0mm (±0.08")
(INCLUSIVE OF ALL OTHER LAMINATION AND DIMENSIONAL TOLERANCES)
REFER TO NOVUM MANUFACTURING SPECIFICATION NS105 FOR TOLERANCE AND MANUFACTURING REQUIREMENTS



* MAXIMUM OVEN WIDTHS:
FOR LAMINATED AND TEMPERED = 1680mm
FOR MONOLITHIC TEMPERED AND TEMPERED IGU WITHOUT LAMINATION = 2420mm
GLASS WIDTHS SHOULD REMAIN BELOW 1.65m AND 2.35m RESPECTIVELY

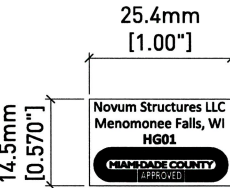
1.5mm
x 45° CHAMFER

EDGE DETAIL

FABRICATOR NOTE:
EDGES TO BE GROUND SMOOTH

(POLISH ONLY WHERE DESIGNATED BY: -----)

ARTGLASS

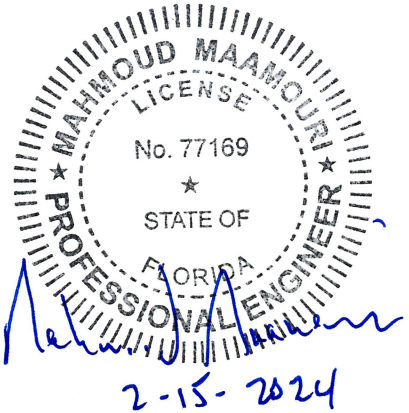


PLACEMENT OF NOVUM NOA LABEL JUST ABOVE TEMPERING NOTE (SEE ABOVE FOR ACTUAL NOTE, TEXT, AND DIMENSION)



GLASS PANELS SEEN FROM ABOVE/ OUTSIDE

NOTE: PLEASE MAKE SURE PLACEMENT OF TEMPERING NOTE SHALL BE VISIBLE AND WILL NOT INTERFERE WITH THE LAMINATION PROCESS



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
ES-0001982
MAHMOUD MAAMOURI
PE # 77169

APPROVAL STAMP:

NOVUM STAMP:

03NOV23	FAR	FP
21OCT20	ZJM	SWK
REV. NO.	DATE	DWG. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

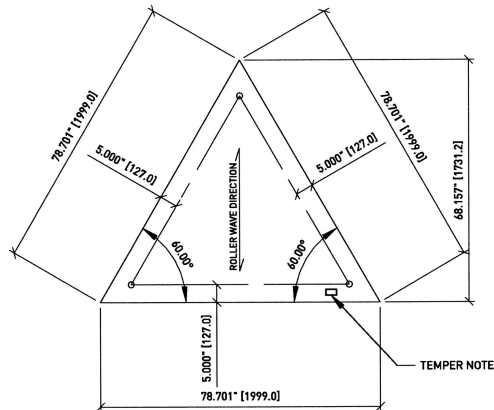
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
GLASS MAKE- UP SHEET

DRAWN BY:	BTH	DATE:	22JUL11
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	NONE	PROJECT MANAGER:	GB

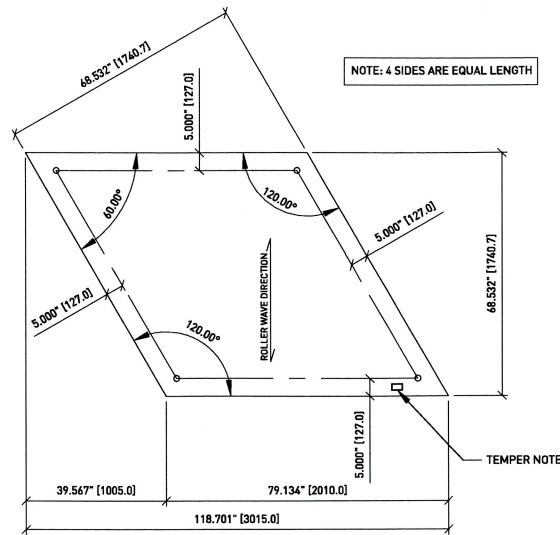
PROJECT NUMBER:
25-184

SHEET NUMBER:
MU801-2



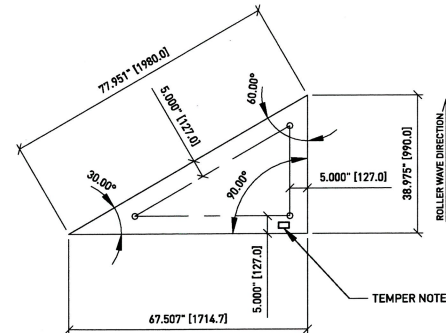
QUANTITY REQ'D= 4
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.1



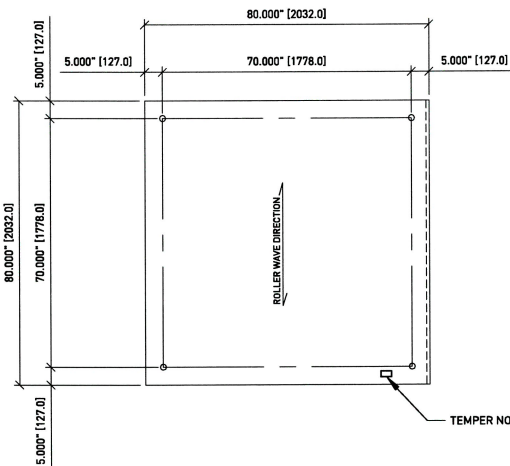
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GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.2



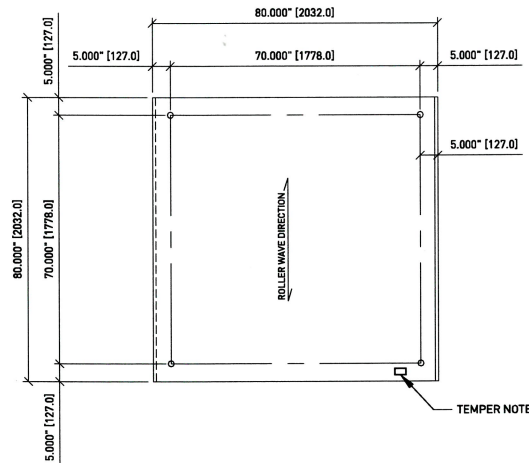
QUANTITY REQ'D= 4
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.3



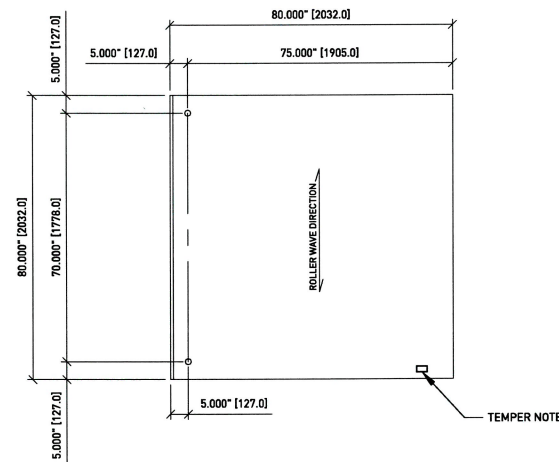
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GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.4



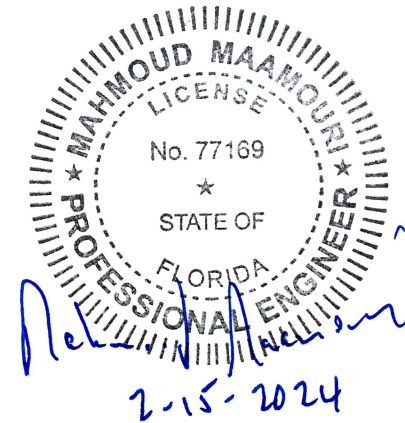
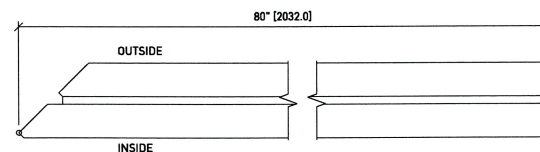
QUANTITY REQ'D= 3
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.5



QUANTITY REQ'D= 3
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.6



PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL
DESIGN, INC.
8969 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

REVISION COMMENTS			
REV. NO.	DATE	DWG. BY	CHK. BY

Novum Structures LLC
W126 N8585 Westbrook Crossing
Menomonee Falls, WI 53051 USA
T 262.255.5561
www.novumstructures.com
info@novumstructures.com

NOVUM

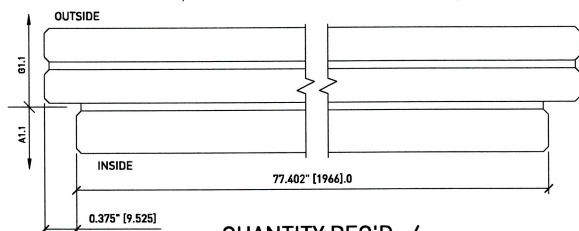
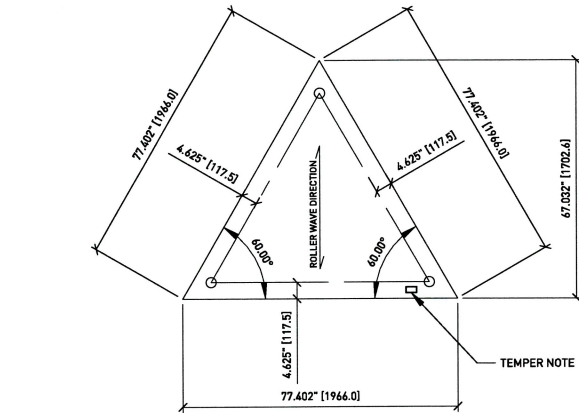
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
GLASS DETAILS
NON- ART GLASS

DRAWN BY:	BTH	DATE:	22JUL11
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	NONE	PROJECT MANAGER:	GB

PROJECT NUMBER:
25-184

SHEET NUMBER:
MU802-0

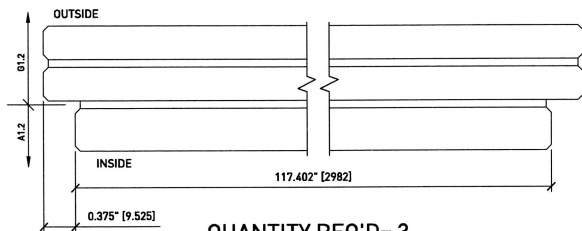
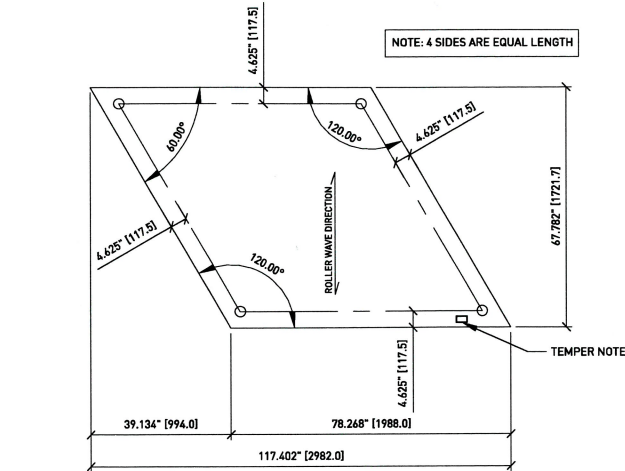


NOTE: HOLD THIS DIMENSION ON ALL SIDES - MEASURED PERPENDICULAR TO GLASS EDGE

QUANTITY REQ'D= 4

GLASS PANELS SEEN FROM ABOVE/OUTSIDE. REF. SHEET MU801 FOR GLASS MAKE-UP AND HOLE DETAILS

G2.1

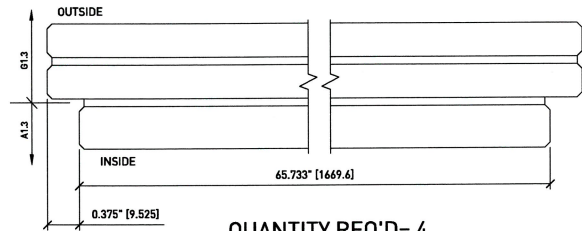
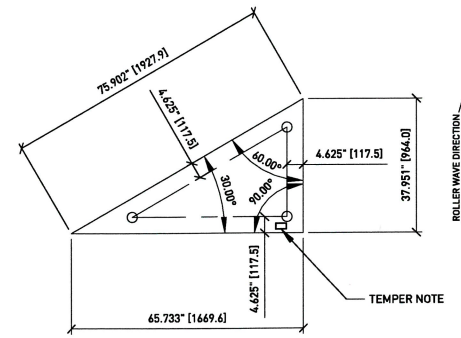


NOTE: HOLD THIS DIMENSION ON ALL SIDES - MEASURED PERPENDICULAR TO GLASS EDGE

QUANTITY REQ'D= 3

GLASS PANELS SEEN FROM ABOVE/OUTSIDE. REF. SHEET MU801 FOR GLASS MAKE-UP AND HOLE DETAILS

G2.2

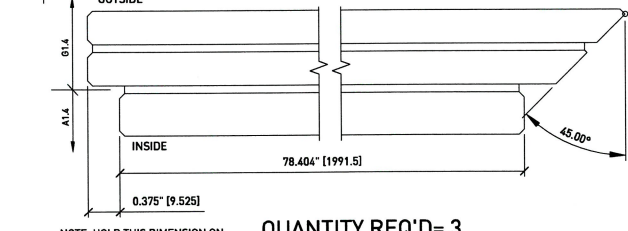
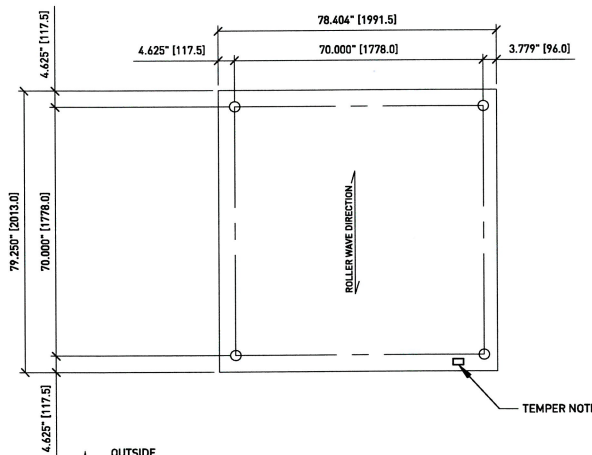


NOTE: HOLD THIS DIMENSION ON ALL SIDES - MEASURED PERPENDICULAR TO GLASS EDGE

QUANTITY REQ'D= 4

GLASS PANELS SEEN FROM ABOVE/OUTSIDE. REF. SHEET MU801 FOR GLASS MAKE-UP AND HOLE DETAILS

G2.3

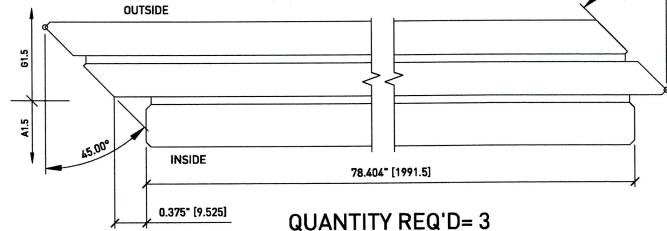
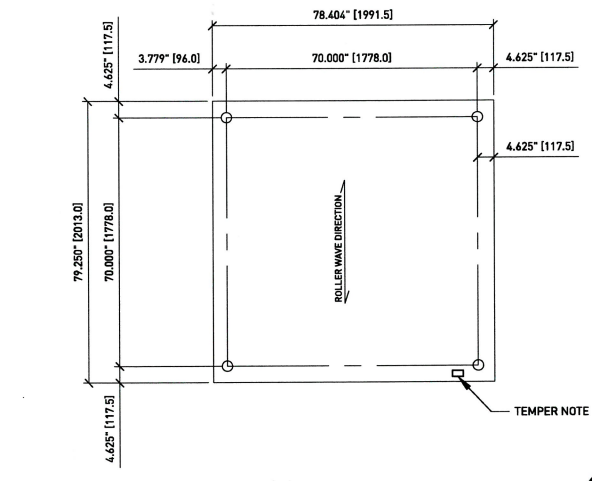


NOTE: HOLD THIS DIMENSION ON ALL SIDES - MEASURED PERPENDICULAR TO GLASS EDGE

QUANTITY REQ'D= 3

GLASS PANELS SEEN FROM ABOVE/OUTSIDE. REF. SHEET MU801 FOR GLASS MAKE-UP AND HOLE DETAILS

G2.4

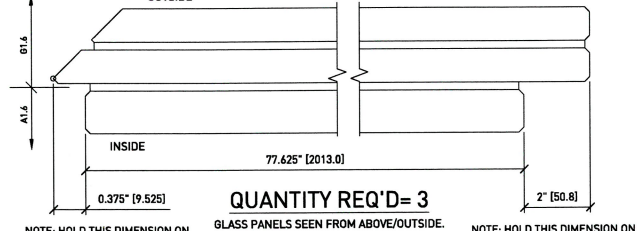
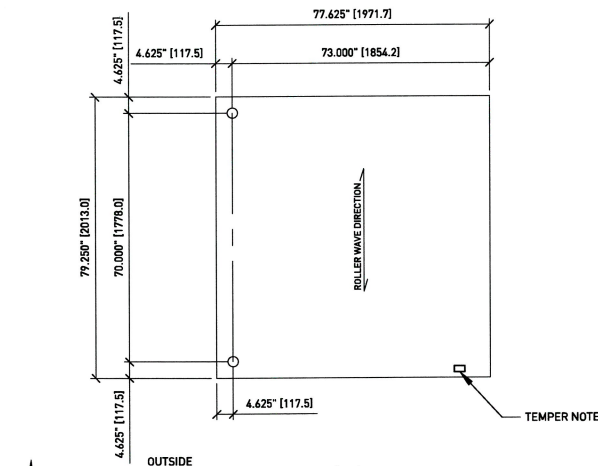


NOTE: HOLD THIS DIMENSION ON ALL SIDES - MEASURED PERPENDICULAR TO GLASS EDGE

QUANTITY REQ'D= 3

GLASS PANELS SEEN FROM ABOVE/OUTSIDE. REF. SHEET MU801 FOR GLASS MAKE-UP AND HOLE DETAILS

G2.5

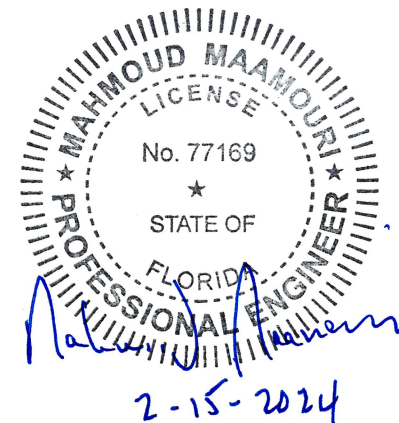


NOTE: HOLD THIS DIMENSION ON 3 SIDES - MEASURED PERPENDICULAR TO GLASS EDGE

QUANTITY REQ'D= 3

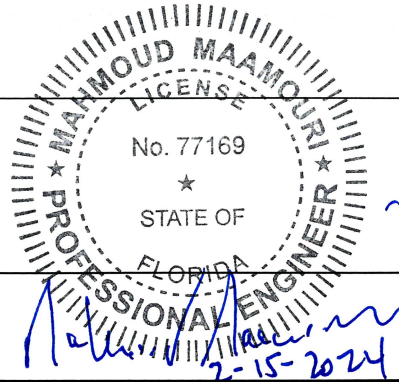
GLASS PANELS SEEN FROM ABOVE/OUTSIDE. REF. SHEET MU801 FOR GLASS MAKE-UP AND HOLE DETAILS

G2.6



PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **24-0102.04**
Expiration Date: **09/08/2026**
By: *Manuel Perez*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC. 8969 North Port Washington Road Milwaukee, WI 53217 (414) 351-5588 EB-0001982 MAHMOUD MAAMOURI PE # 77169			
ENGINEER STAMP:			
APPROVAL STAMP:			
NOVUM STAMP:			
REVISION COMMENTS			
REV. NO.	DATE	DWG. BY	CHK. BY
Novum Structures LLC W126 N8585 Westbrook Crossing Menomonee Falls, WI 53051 USA T 262.255.5561 www.novumstructures.com info@novumstructures.com			
NOVUM			
PROJECT: NOVUM'S HURRICANE PSG GLASS SYSTEM: HG01 SKYLIGHT SYSTEM			
DRAWING DESCRIPTION: GLAS DETAILS ART GLASS			
DRAWN BY:	BTH	DATE:	22JUL11
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	NONE	PROJECT MANAGER:	GB
PROJECT NUMBER:		25-184	
SHEET NUMBER:		MU803-0	



NOVUM

<div>PROFESSIONAL ENGINEER 2-15-2024</div> <div>NOVUM</div>																				
Bill of Material					Project NOA HG01 BOM			Project No. 25-183		BoM Rev.No.		Rev. Date:	Rev. By:	Desc. / Rev. Dwg.						
					Description			BoM Number												
					SKYLIGHT SYSTEM			MU804												
Fab No.	Component No.	Revision Dwg BoM		Quantity	Description	Unit: Inches [U.N.O.] Width Length		Material	Standard / Finish	Weight Unit: Pounds Piece Total		Painting Area Piece Total		Production Component Type	Remarks	Release Date				
HA600					HARDWARE & ACCESSORIES															
					Dow Corning #795 Silicone - Black															
					1/4-20 UNC Hex Head Bolt, 0.875"		0.875	GR.5	ZP											
					1/4-20 UNC Hex Nut			GR.5	ZP											
					1/4 Flat Washer - 0.281" ID, 0.625" OD, 0.09" Thick			GR.5	ZP											
	TR-336E				Arrow-shim Extrusion - Black				Black											
	GP75-26				Silicone Extrusion			70 DURO SHORE A	Black											
	GP75-36				Silicone Extrusion			70 DURO SHORE A	Black											
RB22-16					Buttonhead Rotule															
	RB22A				BUTTONHEAD ROTULE ASSEMBLY:															
					BUTTONHEAD 20mm DIA. BALL JOINT HEAD			316 SS												
	RTR16-SS				M16x75 THREADED ROD W/ 20mm DIA. BALL JOINT HEAD			316 SS												
	RGW-SR				GLASS CONTACT WASHER			SILICONE SHORE A 60 HARDNESS	BLACK											
	RTR-SR				ROTULE TIGHTENING RING			316 SS												
	M16LJN-A4				M16 LOW HEXAGON JAM NUT			DIN 936-A4												
	RSB13-AL				ROTULE SLEEVE FOR BUTTON HEAD			6063-0 ALUM												
	M16LJN-A4				ROTULE, 13mm LONG			DIN 936-A4												
	RW16-SS				M16 LOW HEXAGON JAM NUT															
					STAINLESS STEEL WASHER FOR 16mm THREADED ROD			316 SS												
	RW16-TP				TEFLON WASHER (SEE INSTALLATION INSTRUCTIONS)			PTFE (TEFLON)												
					CHANNEL				PR-FC											
					PLATE 0.188	TBD	121.000	5052-H32 AL												
					CHANNEL SPLICE STRIP				PR-FC											
					PLATE 20GA	TBD	2.000	5052-H32 AL												
Originator		Date		Abbreviation Key				Finish Code Key				Fab / Component Type Key								
TJQ		19 May 10		TYP. = Typical SIM. = Similar G.F. = Grind Flush G.S. = Grind Smooth				O.D. = Outer Diameter I.D. = Inner Diameter T.B.D. = To Be Determined U.N.O. = Unless Noted Otherwise				ZP = Zinc Plated HDG = Hot Dip Galvanized R = Raw or Bare or No Finish FC = Unspecified Finish Coat FC-L = Liquid Finish Coat FC-P = Powder Finish Coat PR = Primed AA = Anodized Aluminum				SC = Subcomponents (Plate, Clip) PRO = Profiles H = Hardware A = Accessories G = Glass N = Nodes B = Bearing Points E = Embeds SW = AES/BB Steelwork SF = Space Frame				

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www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
SKYLIGHT SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #1 & #2
BILL OF MATERIALS

DRAWN BY: BTH | DATE: 2AUG11

CHECKED BY: SWK | APPROVED BY: SWK

SCALE: NONE | PROJECT MANAGER: GB

PROJECT NUMBER:
25-184

SHEET NUMBER:
MU804-0