



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/economy

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 Vertical PSG" Multiple Point Supported Glass Curtain Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **25-183**, titled "Novum's Point Supported Glass System: HG01 Vertical Wall System", sheets: MU100-7, MU100A-1, MU100B-2, MU100C-2, MU200-3, MU210-3, MU500-3, MU501-3, MU502-3, MU510-3, MU511-3, MU512-3 MU514-3, MU515-3, MU516-3, MU700-1, MU710-1, MU800-4, MU801-4, MU802-1, MU803-1 and MU804-2 for a total of 22 sheets, dated 03/04/10, with revision #7 dated 05/22/26, 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, city, state, model/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.

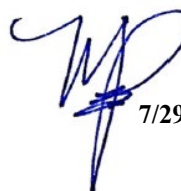
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 and renews** NOA No. **24-0102.03** 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.**




7/29/26

NOA No. 26-0709.01
Expiration Date: August 25, 2031
Approval Date: August 06, 2026
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

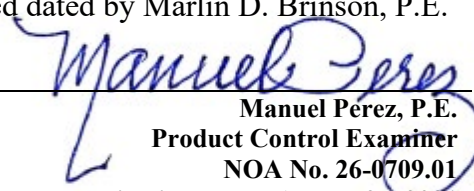
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 11-0412.06)
2. Drawing No. 25-183, titled "Novum's Point Supported Glass System: HG01 Vertical Wall System", sheets: MU100-6, MU100A-1, MU100B-1, MU100C-1, MU200-2, MU210-2, MU500-2, MU501-2, MU502-2, MU510-2, MU511-2, MU512-2, MU514-2, MU515-2, MU516-2, MU700-1, MU710-1, MU800-3, MU801-3, MU802-1, MU803-1 and MU804-1 for a total of 22 sheets, dated 03/04/10, with revision #6 dated 11/03/23, prepared by Computerized Structural Design, Inc., signed and sealed by Mahmoud Maamouri, P.E.
(Submitted under NOA No. 24-0102.03)

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.
(Submitted under NOA No. 24-0102.03)
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.
(Submitted under NOA No. 24-0102.03)
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.
(Submitted under NOA No. 24-0102.03)
4. 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 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 No. 11-0412.06)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 26-0709.01
Expiration Date: August 25, 2031
Approval Date: August 06, 2026

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

B. TESTS (CONTINUED)

5. 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 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 No. 11-0412.06)
6. 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 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 No. 11-0412.06)

C. CALCULATIONS

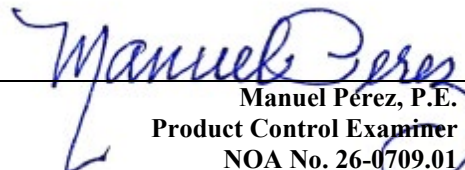
1. Anchor calculations and structural analysis, complying with FBC 8th Edition (2023), dated 09/01/10, with revision 3 dated 11/03/23, prepared by Computerized Structural Design, Inc., signed, sealed by Mahmoud Maamouri, P.E.
(Submitted under NOA No. 24-0102.03)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **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.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 26-0709.01
Expiration Date: August 25, 2031
Approval Date: August 06, 2026

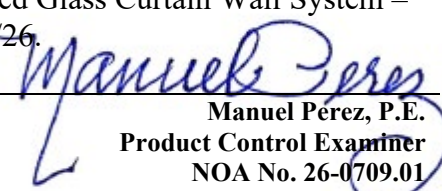
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)
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.
(Submitted under NOA No. 24-0102.03)
2. Proposal No. **22-0677R2** issued by the Product Control Section, dated January 26, 2022, signed by Manuel Perez, P.E.
(Submitted under NOA No. 24-0102.03)
3. 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. 20-1116.05)
4. 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. 11-0412.06)
5. Laboratory compliance letter for Test Report No. **FTL-6321**, issued by Fenestration Testing Laboratory, Inc., dated 01/13/11, revised, signed, sealed and dated 08/01/11 by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0412.06)
6. Laboratory compliance letter for Test Report No. **FTL-6323**, issued by Fenestration Testing Laboratory, Inc., dated 05/23/11, revised, signed, sealed and dated 08/01/11 by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0412.06)
8. 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. 11-0412.06)
9. 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. 11-0412.06)
10. 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. 11-0412.06)

G. OTHERS

1. Notice of Acceptance No. **20-1116.05**, issued to Novum Structures, LLC for their Series "HG01 Vertical PSG" Multiple Point Supported Glass Curtain Wall System – L.M.I., approved on 03/11/21 and expiring on 08/25/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 26-0709.01
Expiration Date: August 25, 2031
Approval Date: August 06, 2026

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **25-183**, titled “Novum’s Point Supported Glass System: HG01 Vertical Wall System”, sheets: MU100-7, MU100A-1, MU100B-2, MU100C-2, MU200-3, MU210-3, MU500-3, MU501-3, MU502-3, MU510-3, MU511-3, MU512-3, MU514-3, MU515-3, MU516-3, MU700-1, MU710-1, MU800-4, MU801-4, MU802-1, MU803-1 and MU804-2 for a total of 22 sheets, dated 03/04/10, with revision #7 dated 05/22/26, prepared by Computerized Structural Design, Inc., signed and sealed by Mahmoud Maamouri, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

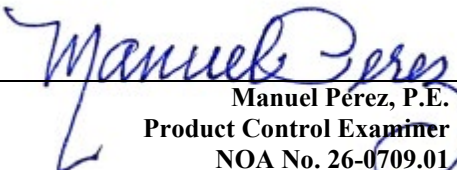
1. Notice of Acceptance No. **23-0717.30** issued to **Kuraray America, Inc.** for their “SentryGlas® (Clear and White) Glass Interlayers” dated 08/31/23, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)** and of no financial interest, dated June 29, 2026, issued by Computerized Structural Design, Inc. signed and sealed by Mahmoud Maamouri, P.E.

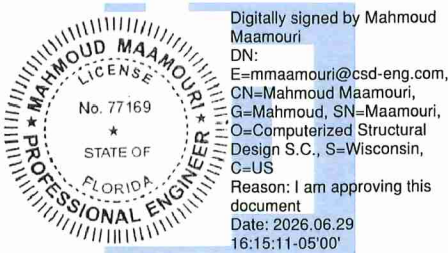
G. OTHERS

1. Notice of Acceptance No. **24-0102.03**, issued to Novum Structures, LLC for their Series “HG01 Vertical PSG” Multiple Point Supported Glass Curtain Wall System – L.M.I., approved on 02/29/24 and expiring on 08/25/26.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 26-0709.01
Expiration Date: August 25, 2031
Approval Date: August 06, 2026

The following pages in this document were submitted by the manufacturer (third party) to represent the product being approved and establish the limits of use. The pages may include technical drawings, schematics and installation details.

NOVUM'S POINT SUPPORTED GLASS SYSTEM: HG01 VERTICAL WALL SYSTEM



System Description

The Novum Hurricane PSG vertical 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 less than 60% of the depth of the joint. The outer 40% or more of the space is filled with DOWSIL™ #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. = SYMETRICAL
U.N.O. = UNLESS NOTED OTHERWISE
C.L. = CENTER LINE
RHS = RIGHT HAND SIDE
LHS = LEFT HAND SIDE

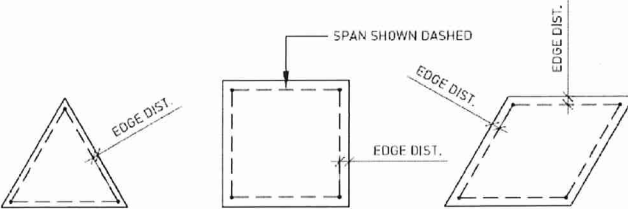
Limitations For Use

1) Maximum allowable design load of 133 psf when system is used as a curtain wall/storefront (< 15° from vertical). This is based on a factor of safety of 1.5 against breakage at 200 psf (test load).

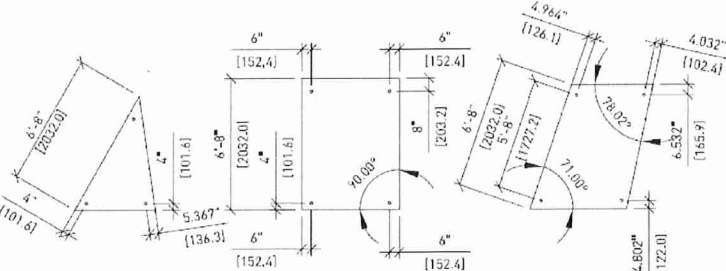
Dead load of glass is not considered part of an imposed load (i.e.; glass can allowably handle 133 psf normal to its surface plus the weight of the glass).

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 only 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
MU100 MU100A MU100B MU100C	GENERAL NOTES PART: ROTULE INFORMATION PART: GASKET DETAIL: NON-CHAMFERED GLASS JOINT PART: GASKET DETAIL: CHAMFERED GLASS JOINT
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
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
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

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: +133 PSF (ASD LEVEL)

-DESIGN SUCTION: -133 PSF (ASD LEVEL)

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 MAXIMUM 50% 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 DOWSIL™ #795

EXPOSED WEATHER SEALS- MEDIUM MODULUS CONSTRUCTION SILICONE SEALANT- IE DOWSIL™ #795

SILICONE COLOR- BLACK (OR OTHER DOWSIL™ #795 STANDARD COLORS)

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control

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

ENGINEER STAMP

APPROVAL STAMP

NOVUM STAMP

22MAY26 JFV FP

ADDED LOAD CLARIFICATIONS & PRODUCT REBRAND UPDATE

03NOV23 FAR FP

UPDATED CODE YEAR & SG NOA #, ADDED FRIT & LIMITATION #13

19FEB21 JTG SWK

UPDATED LIMITS 12

21OCT20 ZJM SWK

UPDATED CODE YEAR & LIMITS 11 & 12

12DEC18 SWK SWK

UPDATED CODE FROM 2007 TO 2014 AND INTERLAYER NOA #

10/08/15 MM SWK

UPDATED CODE FROM 2007 TO 2014

22JUL11 BTH SWK

REVISED PER COMMENTS BY BCCO

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

VERTICAL WALL SYSTEM

DRAWING DESCRIPTION:

MOCK-UP #1 & #2

COVER SHEET

DRAWN BY: BTH DATE: 04MAR10

CHECKED BY: SWK APPROVED BY: SWK

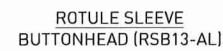
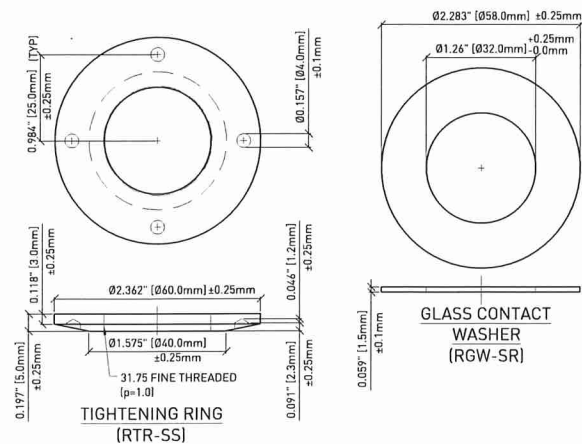
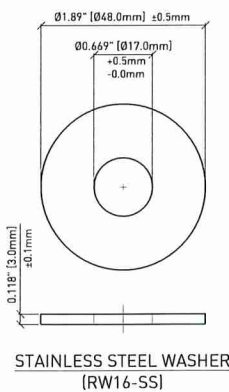
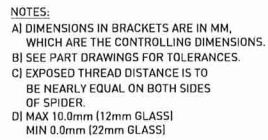
SCALE: NONE PROJECT MANAGER: GB

PROJECT NUMBER:

25-183

SHEET NUMBER:

MU100-7



ASSEMBLY NOTES:

- 1) RTR-SS IS TO BE PLACED NEAR THE BOTTOM OF THE HEAD, AS SHOWN.
- 2) JAM NUTS ARE TO BE PLACED NEAR THE TOP OF THE ROD, AS SHOWN.

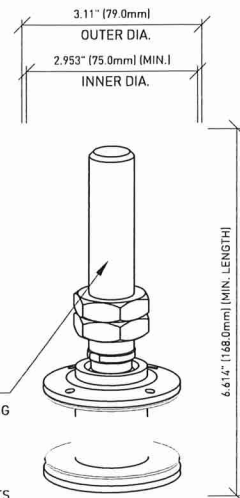
6-29-2026

NOTE: USE SLEEVE RSB9-AL
(0.354" [9mm] LONG) WHEN WORKING WITH
12mm-14mm GLASS. PART IS PROVIDED
SEPARATELY FROM THE ASSEMBLY.

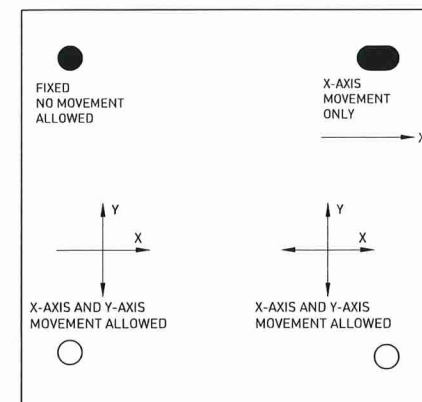
PACKED IN A PLASTIC BAG WITHIN THE TUBE:
2 M16 LOW HEXAGON JAM NUTS
2 TEFLON WASHERS FOR M16 ROD
2 STAINLESS STEEL WASHERS FOR M16 ROD



1 ROTULE ASSEMBLY WITH: —
1 ROTULE BALL JOINT HOUSING
1 M16x75 THREADED ROD
2 GLASS CONTACT WASHER
1 GLASS TIGHTENING RING
1 ROTULE SLEEVE
2 M16 LOW HEXAGON JAM NUTS



EACH PANEL OF GLASS IS DESIGNED TO BE ABLE TO MOVE AS SHOWN BELOW. ON THE ROTULES, THE INNER JAM NUTS SHOULD ONLY BE HAND TIGHTENED AGAINST THE WASHERS (U.N.O.) TO MAKE SURE THE INNER JAM NUTS WILL NOT BACK OFF, FULLY TIGHTEN OUTER NUTS AGAINST THEM. THIS WILL ALLOW THE ROD TO MOVE AS DESIGNED.

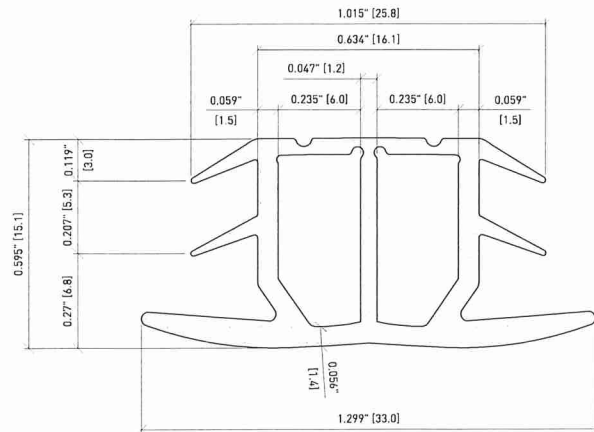


SHEET NUMBER:
MU100A-1

By: Maria Perez
Miami-Dade Product Control

5-183

Part No. SG2013



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



COMPUTERIZED STRUCTURAL
DESIGN, INC.
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001892
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

2 22MAY26 JFV FP

REPLACED GASKET WITH NOVUM
STANDARD DESIGN

1 23JUL11 BTH SWK

REVISED PER COMMENTS BY BCCO

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
VERTICAL WALL SYSTEM

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

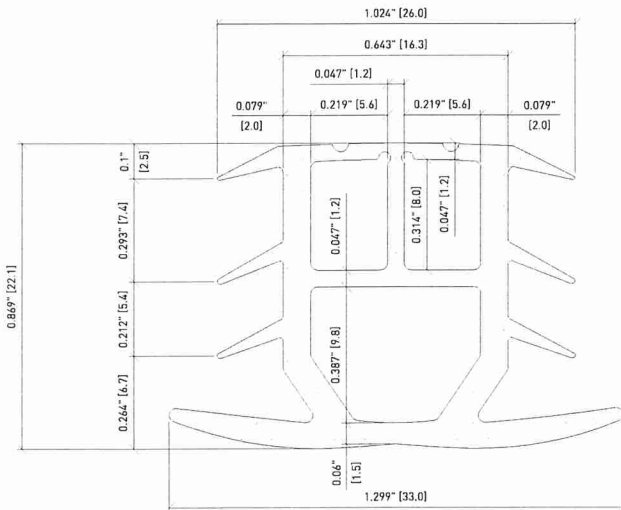
DRAWN BY:	BTH	DATE:	04MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	48"=12"	PROJECT MANAGER:	GB

PROJECT NUMBER:
25-183

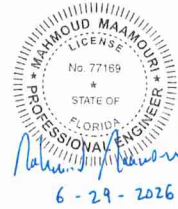
SHEET NUMBER:
MU100B-2

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control

Part No. SG2020



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



COMPUTERIZED STRUCTURAL
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EB-0001982
MAHMOUD MAAMOURI
PE, # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

2 22MAY26 JFV FP

REPLACED GASKET WITH NOVUM
STANDARD DESIGN

1 23JUL11 BTH SWK

REVISED PER COMMENTS BY BCCO

REV. NO. DATE DWG. BY CHK. BY

Novum Structures LLC
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Menomonee Falls, WI 53051 USA
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www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL 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

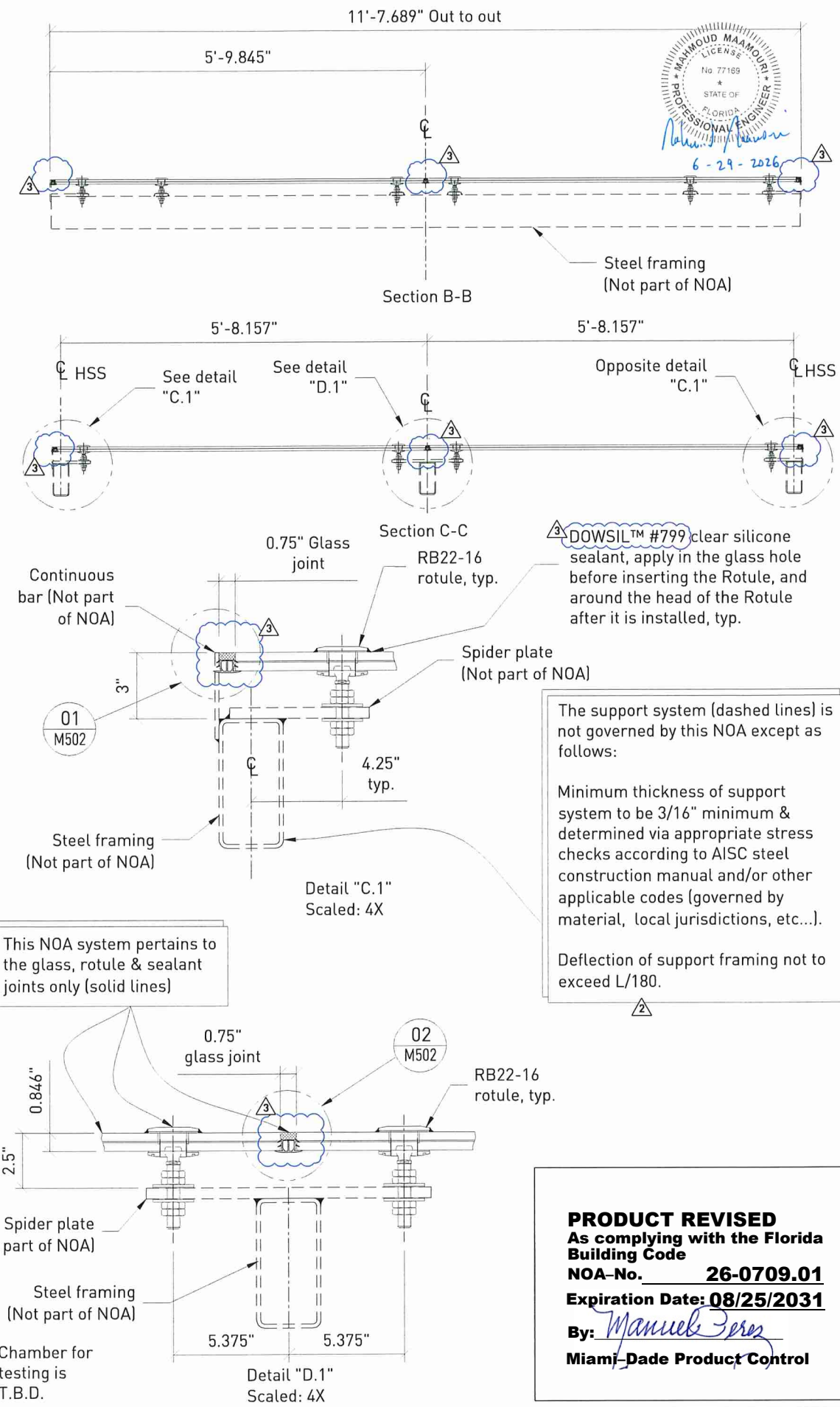
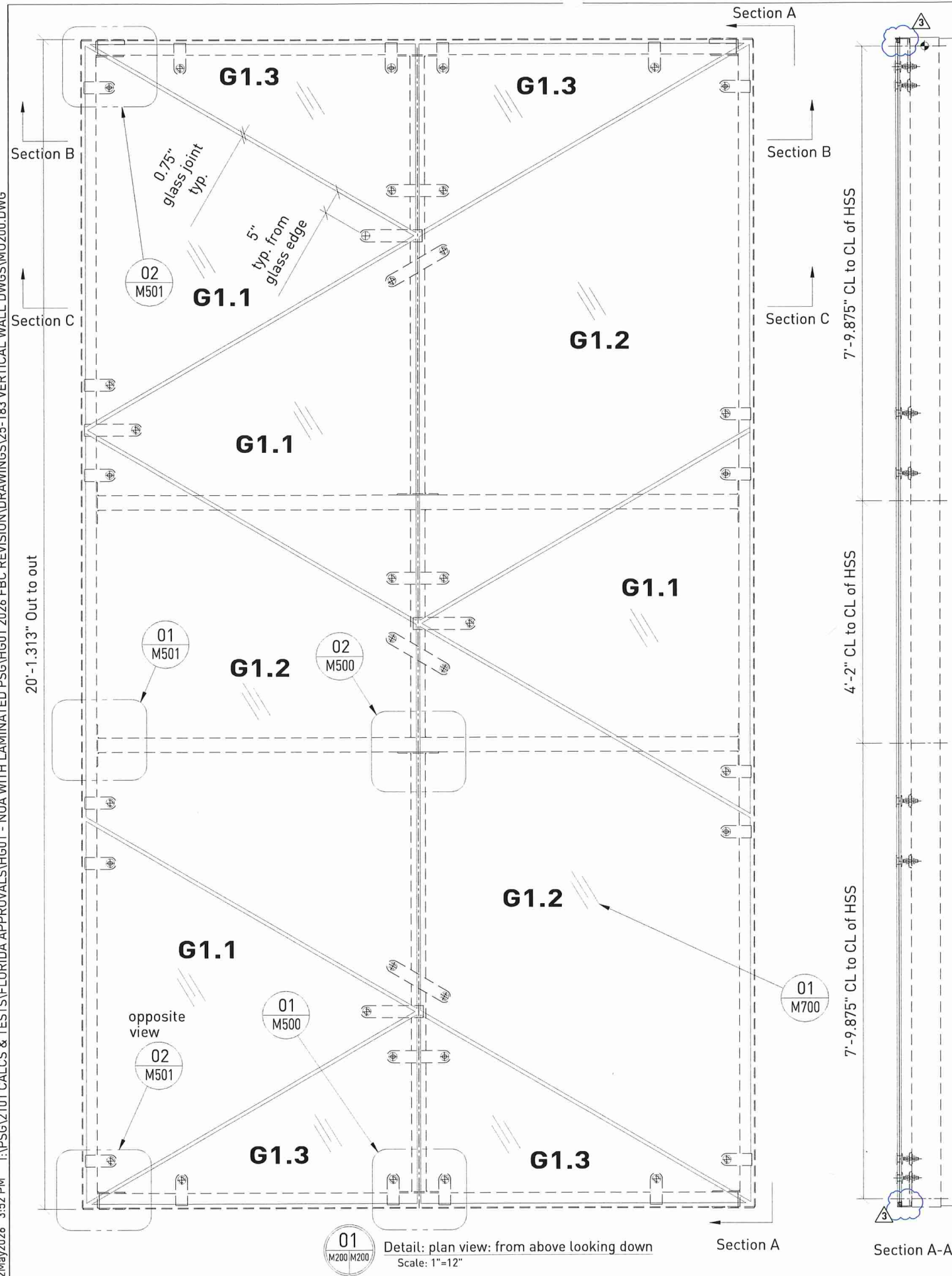
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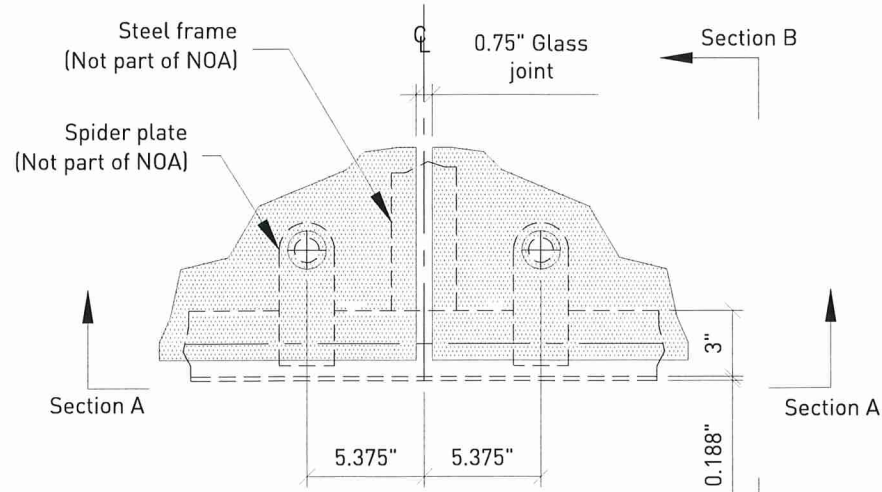
SHEET NUMBER:

MU100C-2

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control

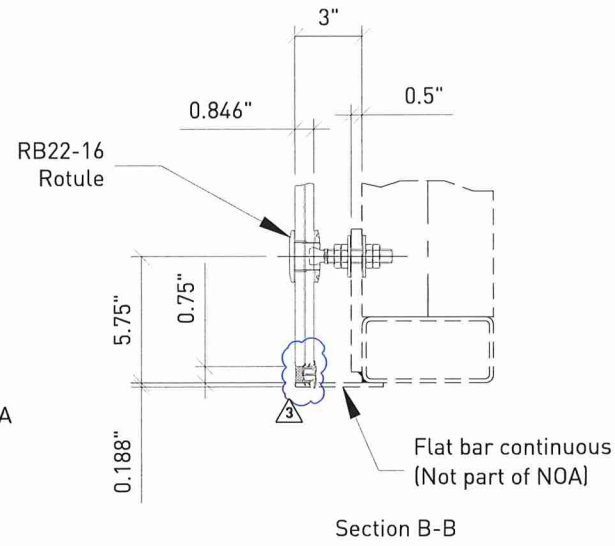
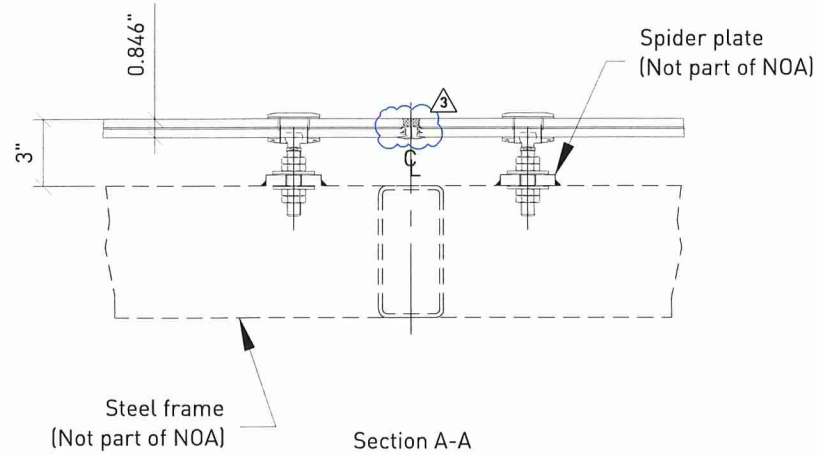
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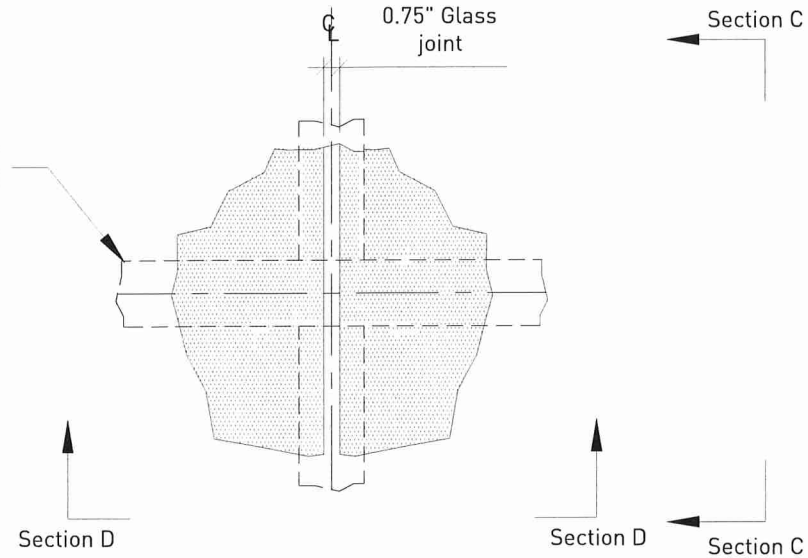


01
M200/M500

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

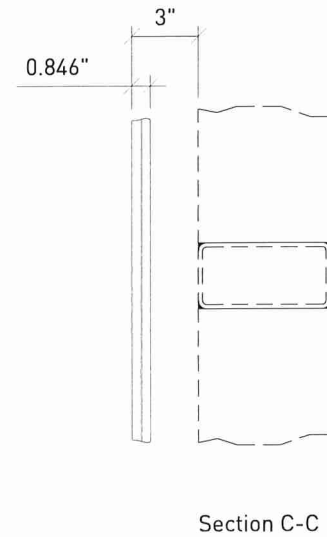
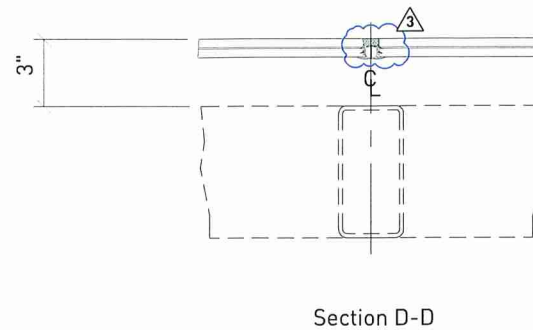


Steel frame
(Not part of NOA)



02
M200/M500

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

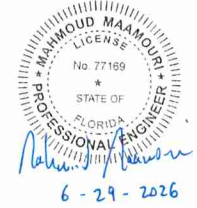


This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

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.



COMPUTERIZED STRUCTURAL
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MAHMOUD MAAMOURI
PE # 77189

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENT BY BCCO			
REV. NO.	DATE	DWG. BY	CHK. BY

Novum Structures LLC
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Menomonee Falls, WI 53051 USA
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www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

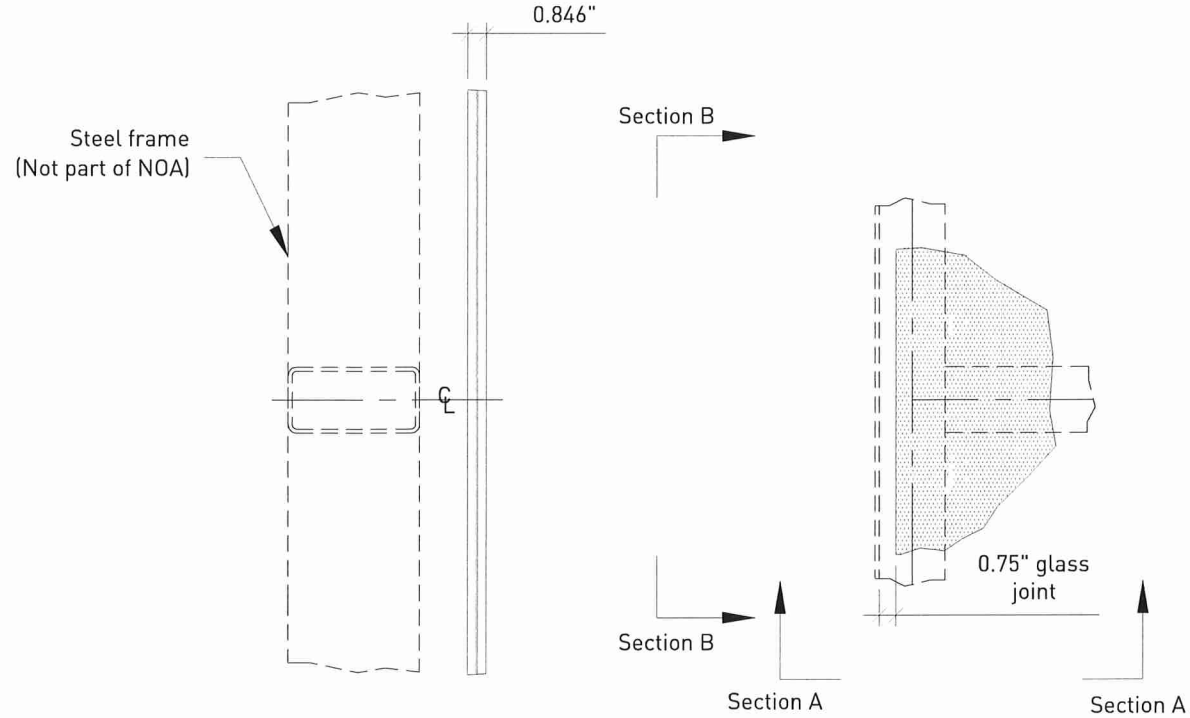
DRAWING DESCRIPTION:
MOCK- UP #1
SECTION & DETAIL VIEWS

DRAWN BY:	BTH	DATE:	02MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	3"=12"	PROJECT MANAGER:	GB
PROJECT NUMBER:	25-183		

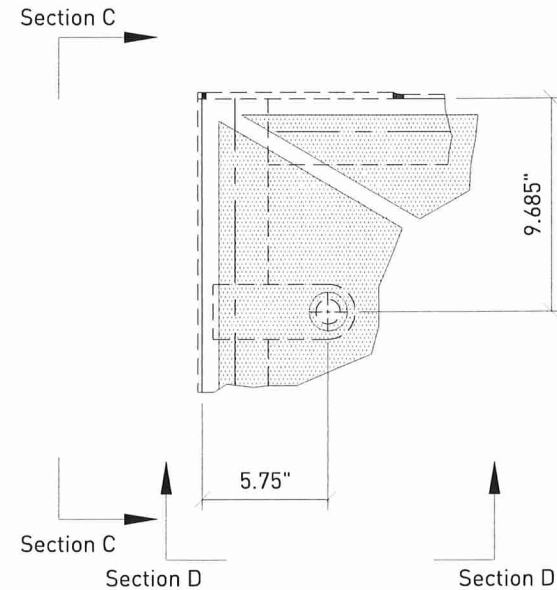
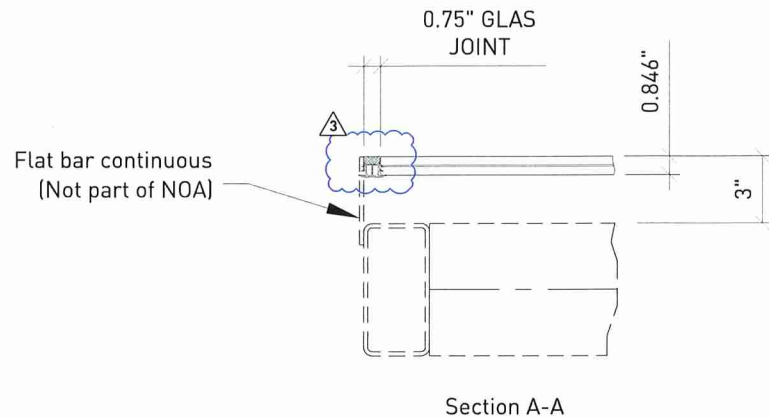
SHEET NUMBER:
MU500-3

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Torres
Miami-Dade Product Control

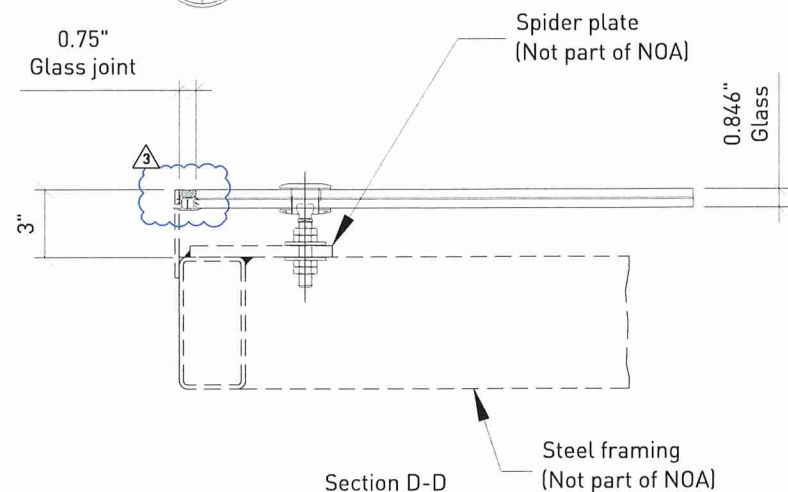
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01 Detail: plan view: from above looking down
Scale: 3"=12"



02 Detail: Corner condition
Scale: 3"=12"



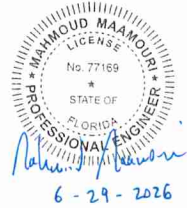
This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

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.

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Torres
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:

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV. NO.	DATE	DWG. BY	CHK. BY

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NOVUM

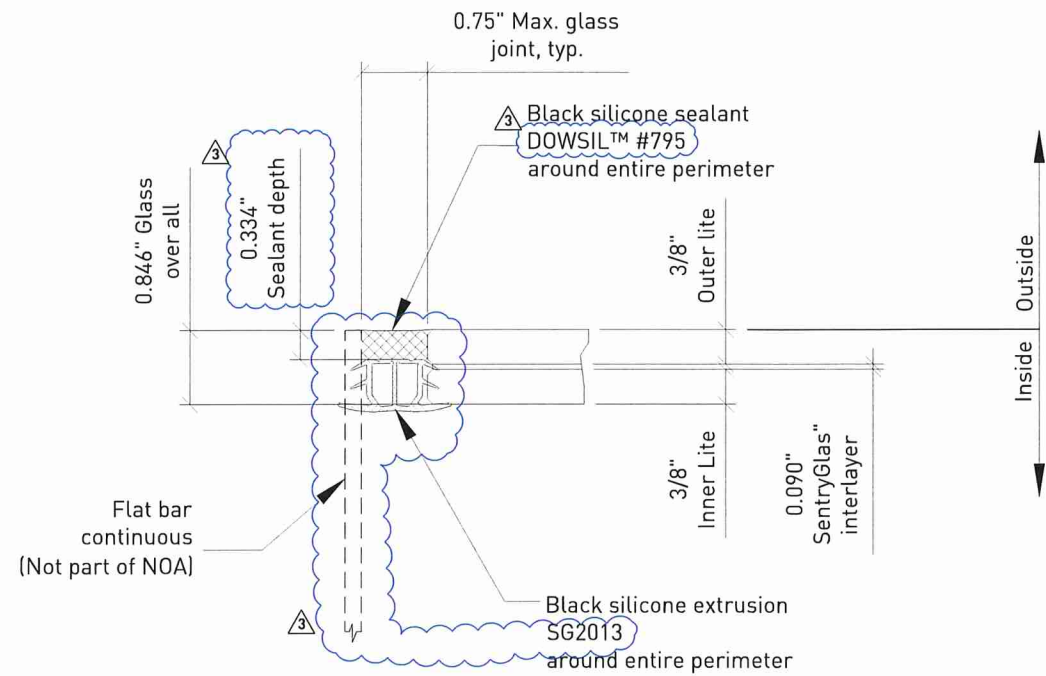
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

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

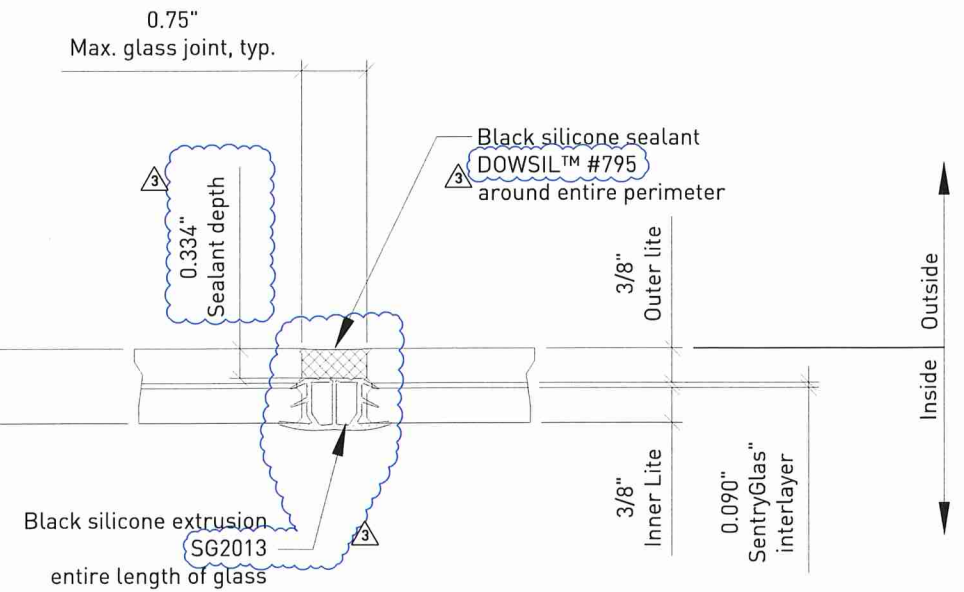
DRAWN BY:	DATE:
BTH	02MAR10
CHECKED BY:	APPROVED BY:
SWK	SWK
SCALE:	PROJECT MANAGER:
3"=12"	GB
PROJECT NUMBER:	

25-183

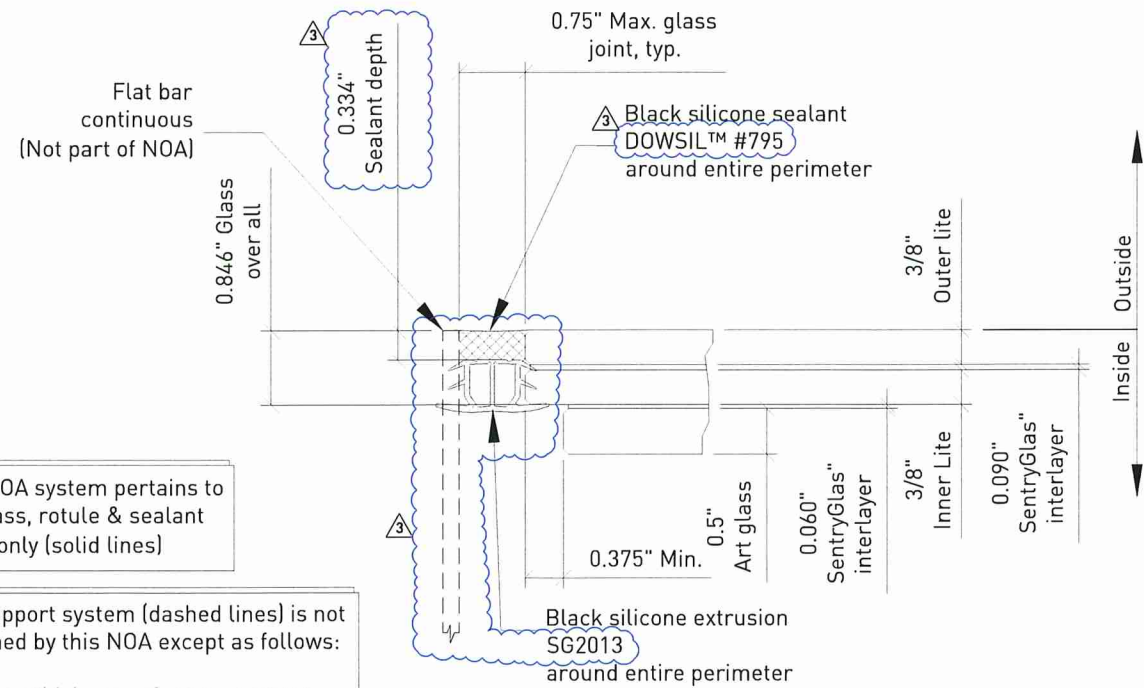
SHEET NUMBER:
MU501-3



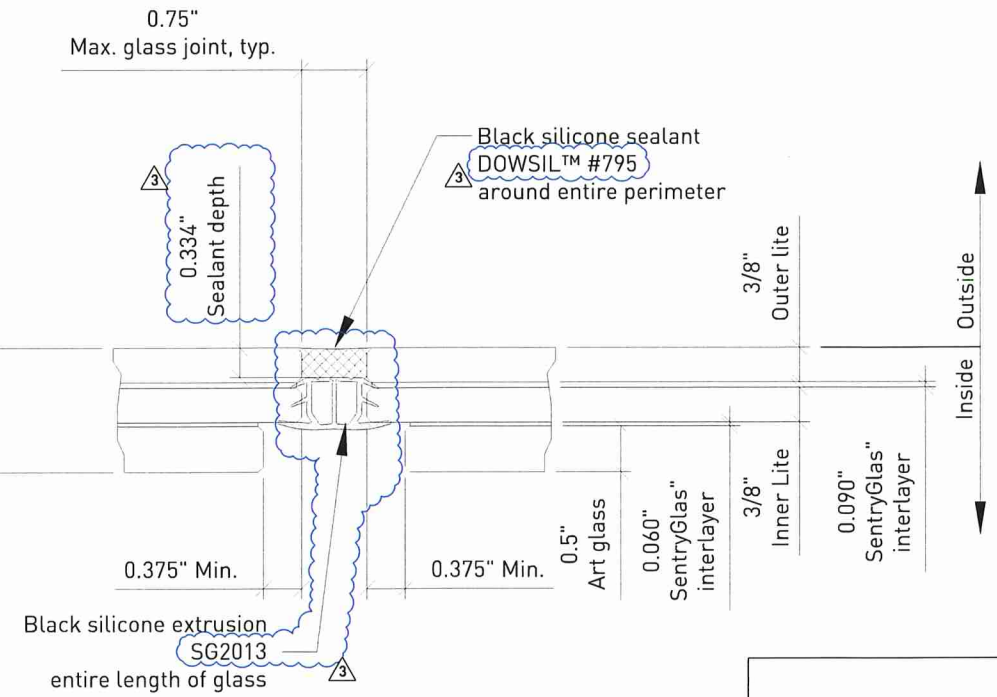
01
M200/M502
Detail: plan view: thru glass joint @ 3/8" + 3/8" glass
Scale: 6"=12"



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.



COMPUTERIZED STRUCTURAL DESIGN, INC.
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Milwaukee, WI 53217
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EB-0001982
MAHMOUD MAAMOURI
PE # 77169

APPROVAL STAMP:

NOVUM STAMP:

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN; PRODUCT REBRAND UPDATE			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
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

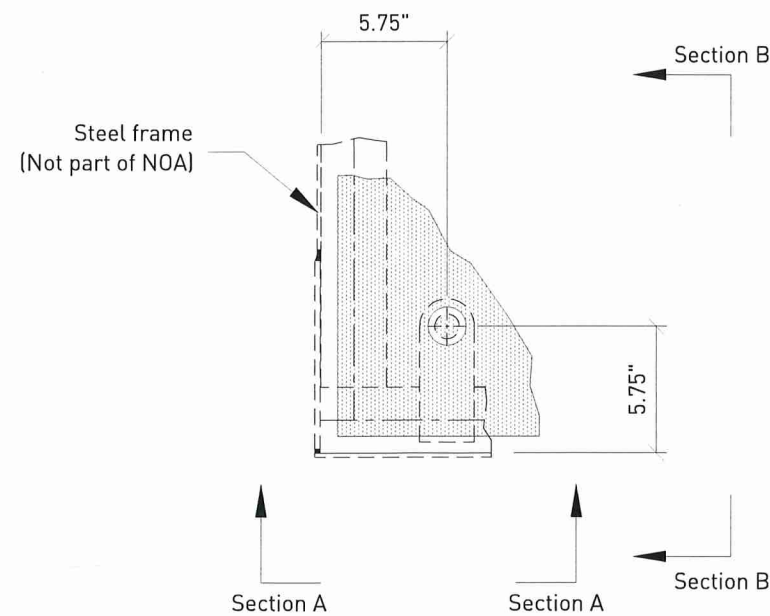
PROJECT:
NOVUM'S HURRICANE PSG GLASS SYSTEM:HG01
VERTICAL WALL SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #1
GLASS JOINT DETAILS

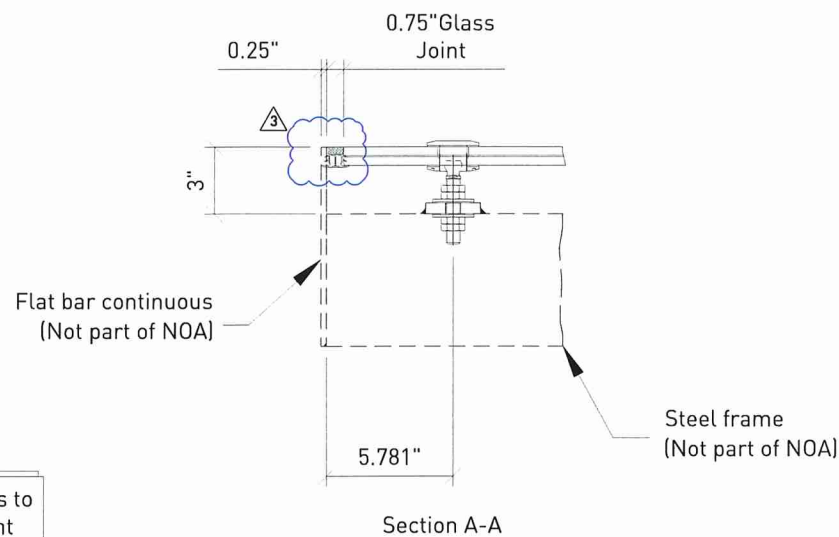
DRAWN BY:	BTH	DATE:	04MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	FULL	PROJECT MANAGER:	GB
PROJECT NUMBER:	25-183		

SHEET NUMBER:
MU502-3

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: *Manuel Perez*
Miami-Dade Product Control



01 Detail: Corner condition
Scale: 3"=12"

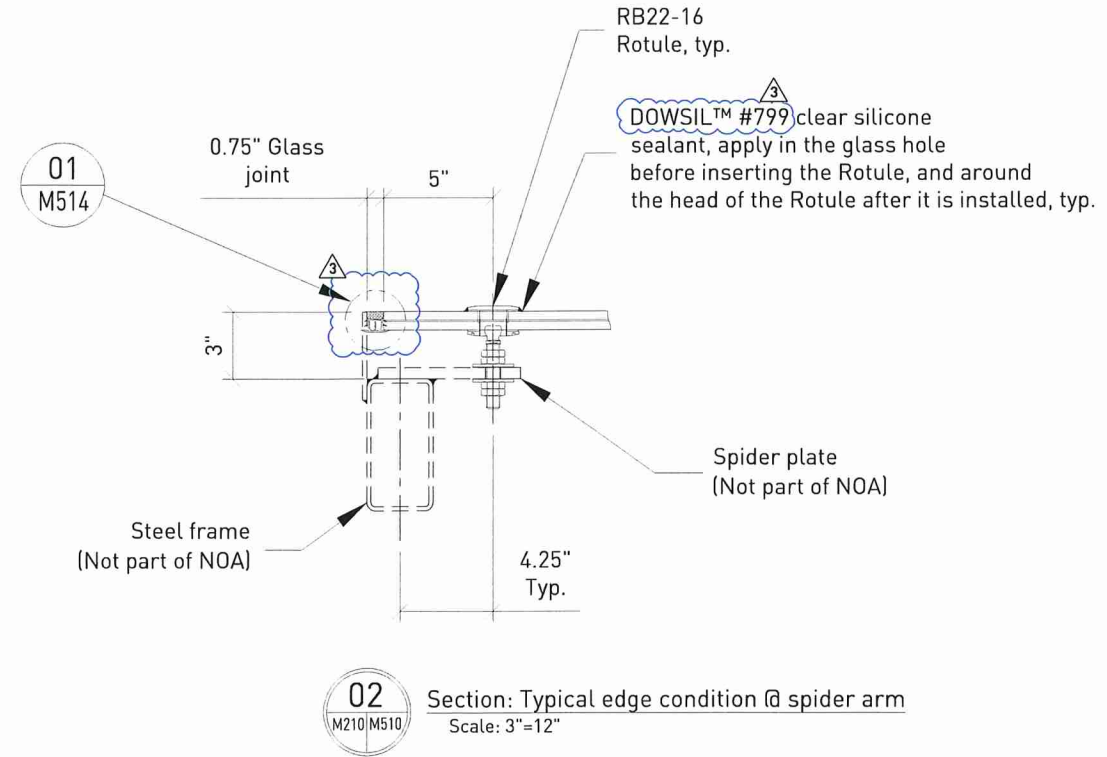
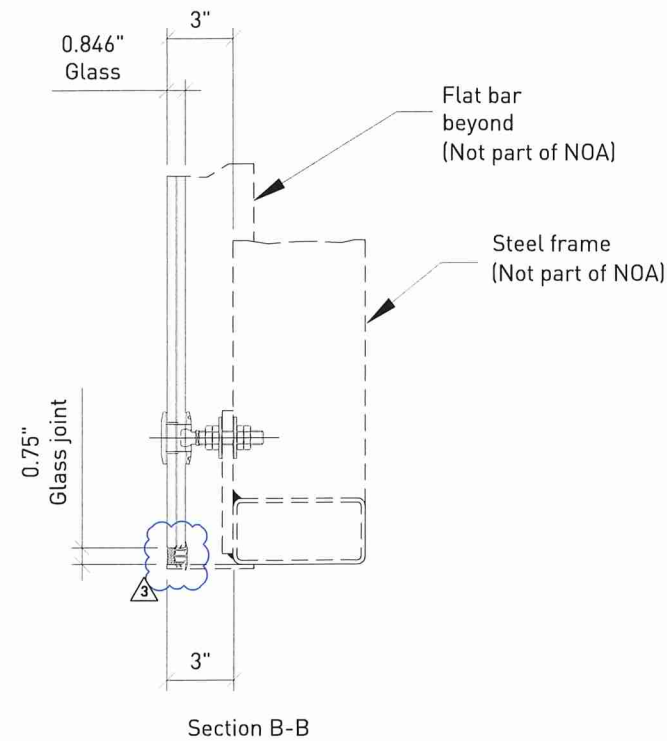


This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

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

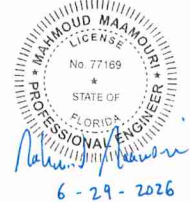
Minimum thickness of support system to be 3/16" minimum & determined via appropriate stress checks according to AISC steel construction manual and/or other applicable codes (governed by material, local jurisdictions, etc...).

Deflection of support framing not to exceed L/180.



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

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **26-0709.01**
Expiration Date: **08/25/2031**
By: *Manuel Torres*
Miami-Dade Product Control



COMPUTERIZED STRUCTURAL DESIGN, INC.
8989 North Port Washington Road
Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE, # 77189

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

3 22MAY26 JFV FP

REPLACED GASKET WITH NOVUM STANDARD DESIGN; PRODUCT REBRAND UPDATE

2 21OCT20 ZJM SWK

CHANGED DEFLECTION LIMIT FROM L/160 TO L/180

1 23JUL11 BTH SWK

REVISED PER COMMENTS BY BCCO

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
VERTICAL WALL 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

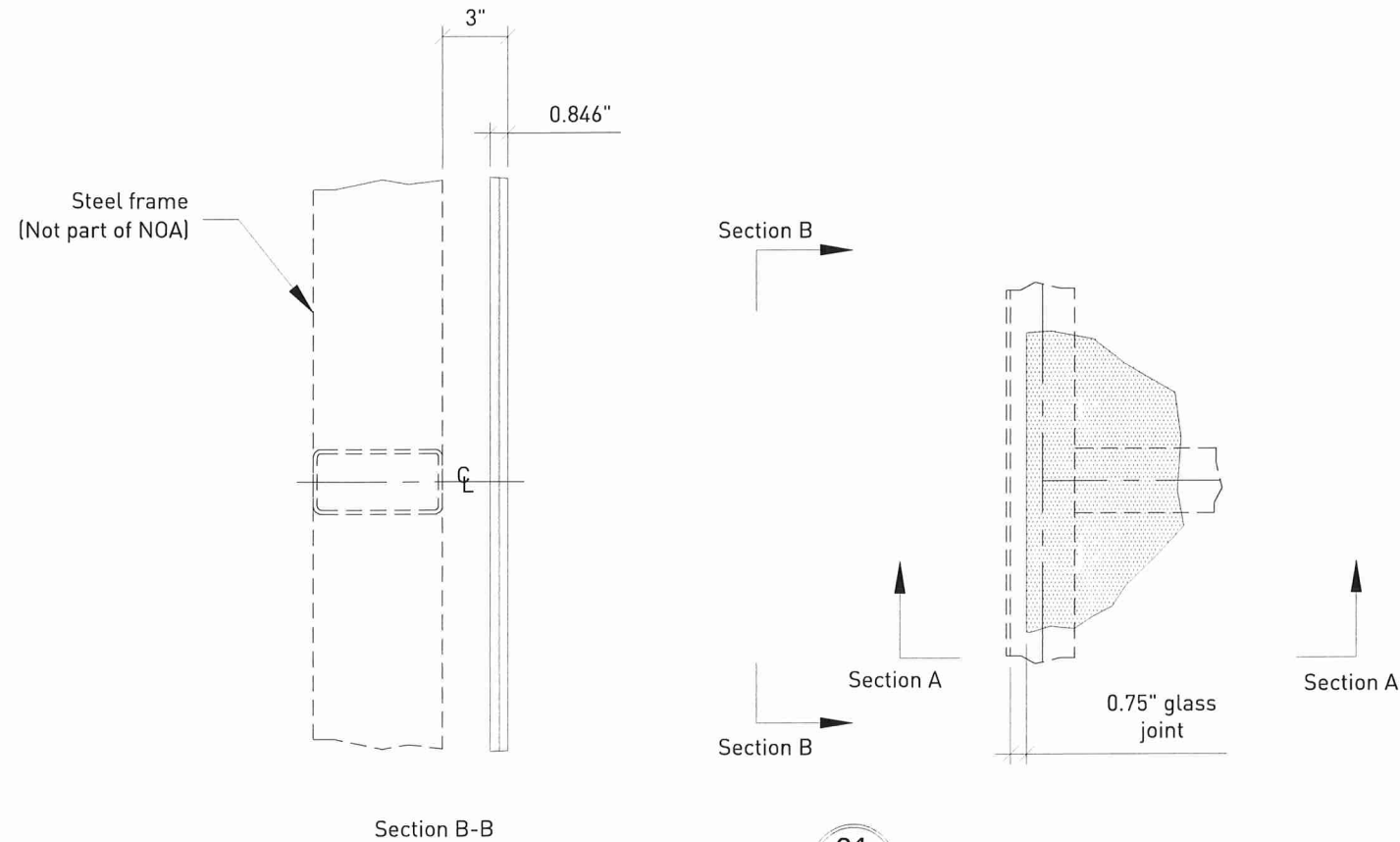
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25-183

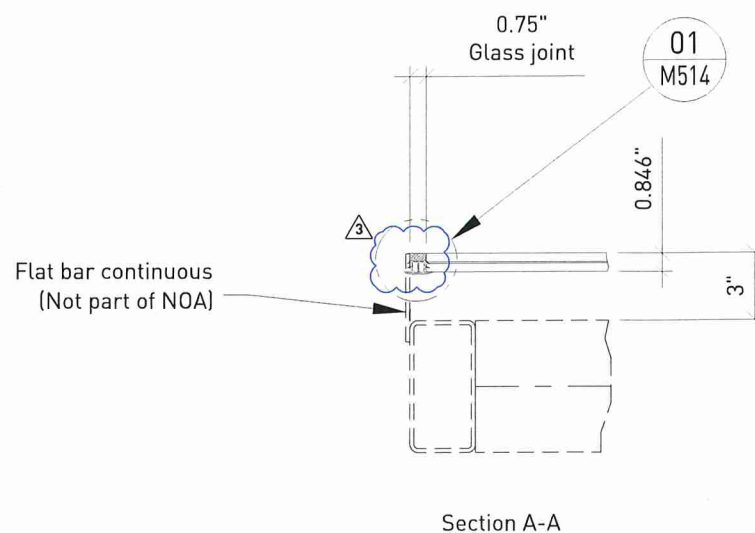
SHEET NUMBER:

MU510-3

26May2026 9:09 AM I:\PSG\2101 CALCS & TESTS\FLORIDA APPROVALS\HG01 - NOA WITH LAMINATED PSG\HG01 2026 FBC REVISION\DRAWINGS\25-183 VERTICAL WALL DWGS\MU511.DWG



Detail: Typical edge connection
Scale: 3"=12"

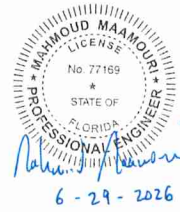


This NOA system pertains to the glass, rotule & sealant joints only (solid lines)

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.



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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:

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV. NO.	DATE	DWG. BY	CHK. BY

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NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

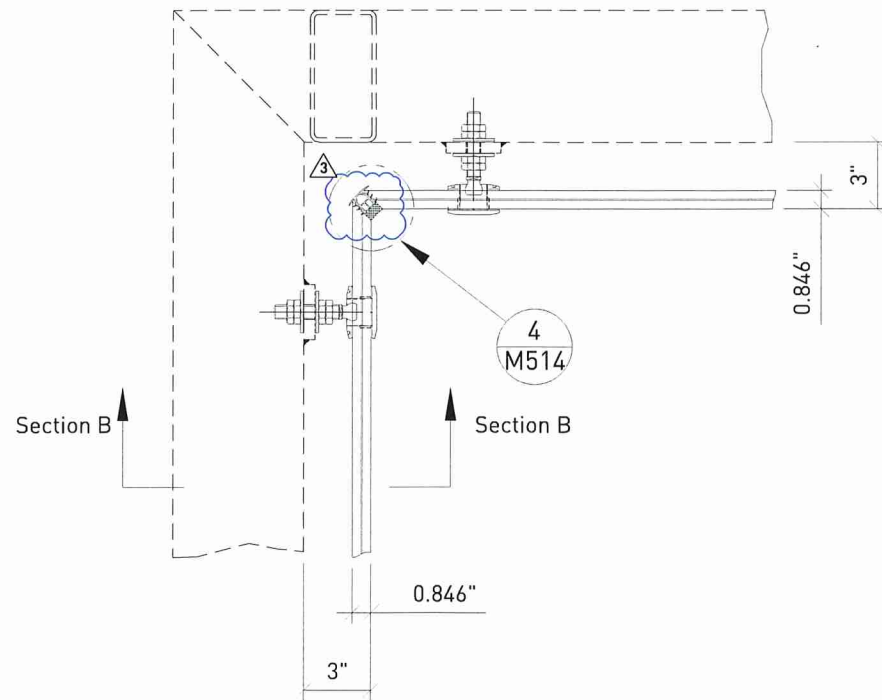
DRAWING DESCRIPTION:
MOCK- UP #2
SECTION & DETAIL VIEWS

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

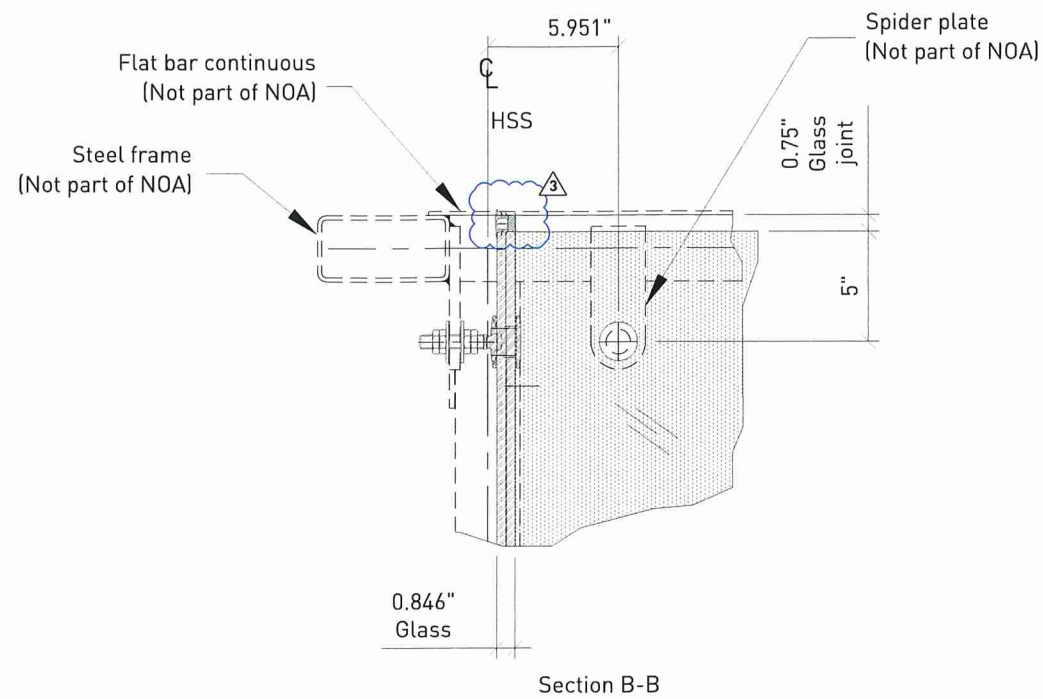
SHEET NUMBER:
25-183

SHEET NUMBER:
MU511-3

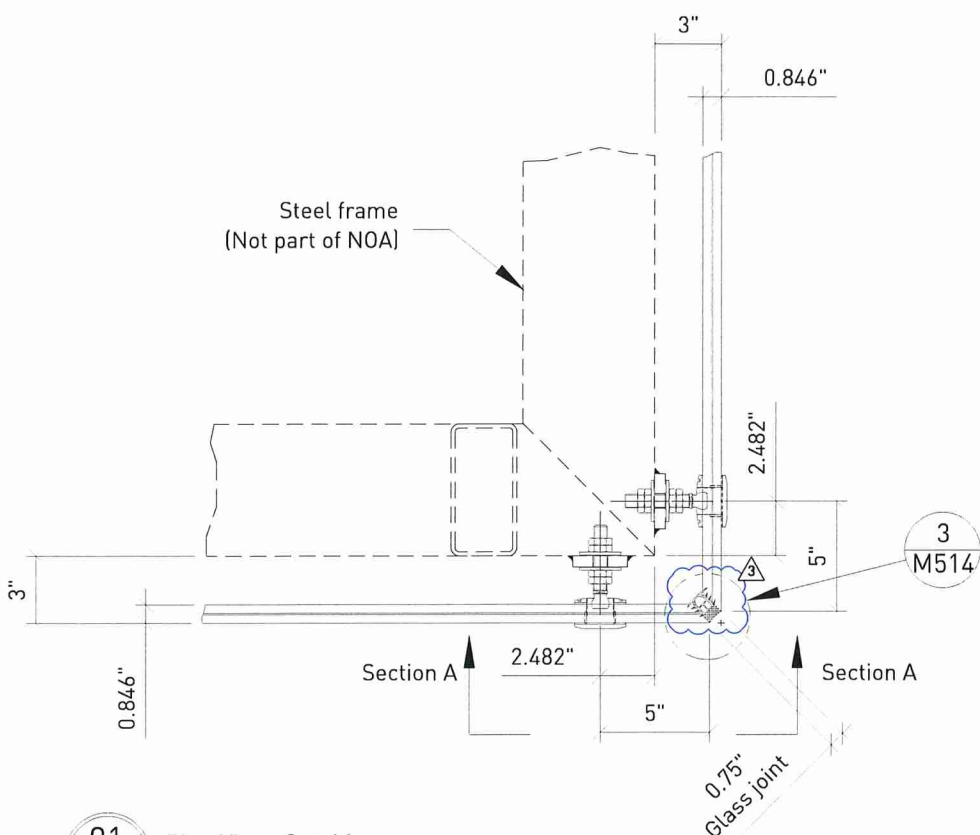
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control



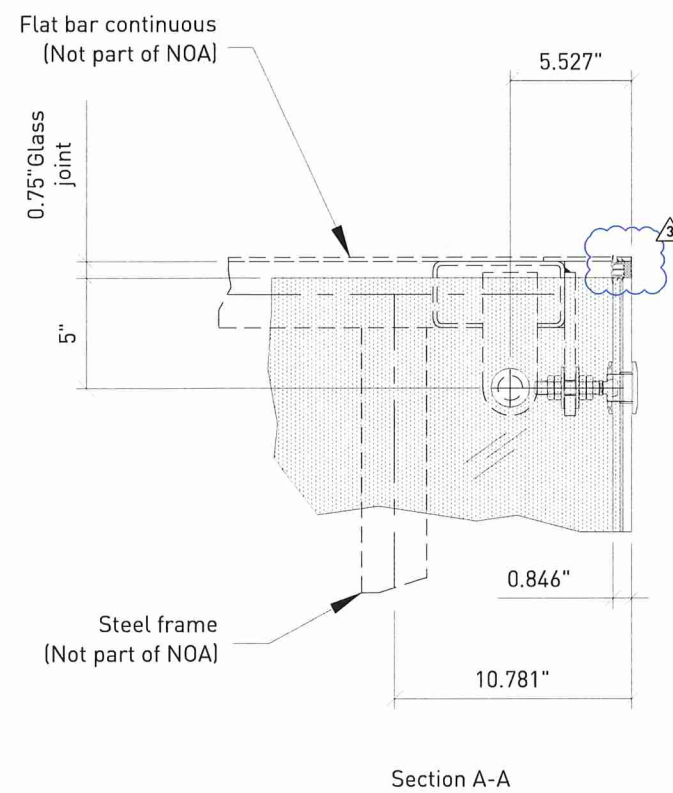
02 Plan View: Inside corner
Scale: 3"=12"



Section B-B



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



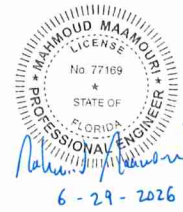
Section A-A

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:

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Deflection of support framing not to exceed L/180.



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

APPROVAL STAMP:

NOVUM STAMP:

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV. NO.	DATE	DWG. BY	CHK. BY

Novum Structures LLC
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NOVUM

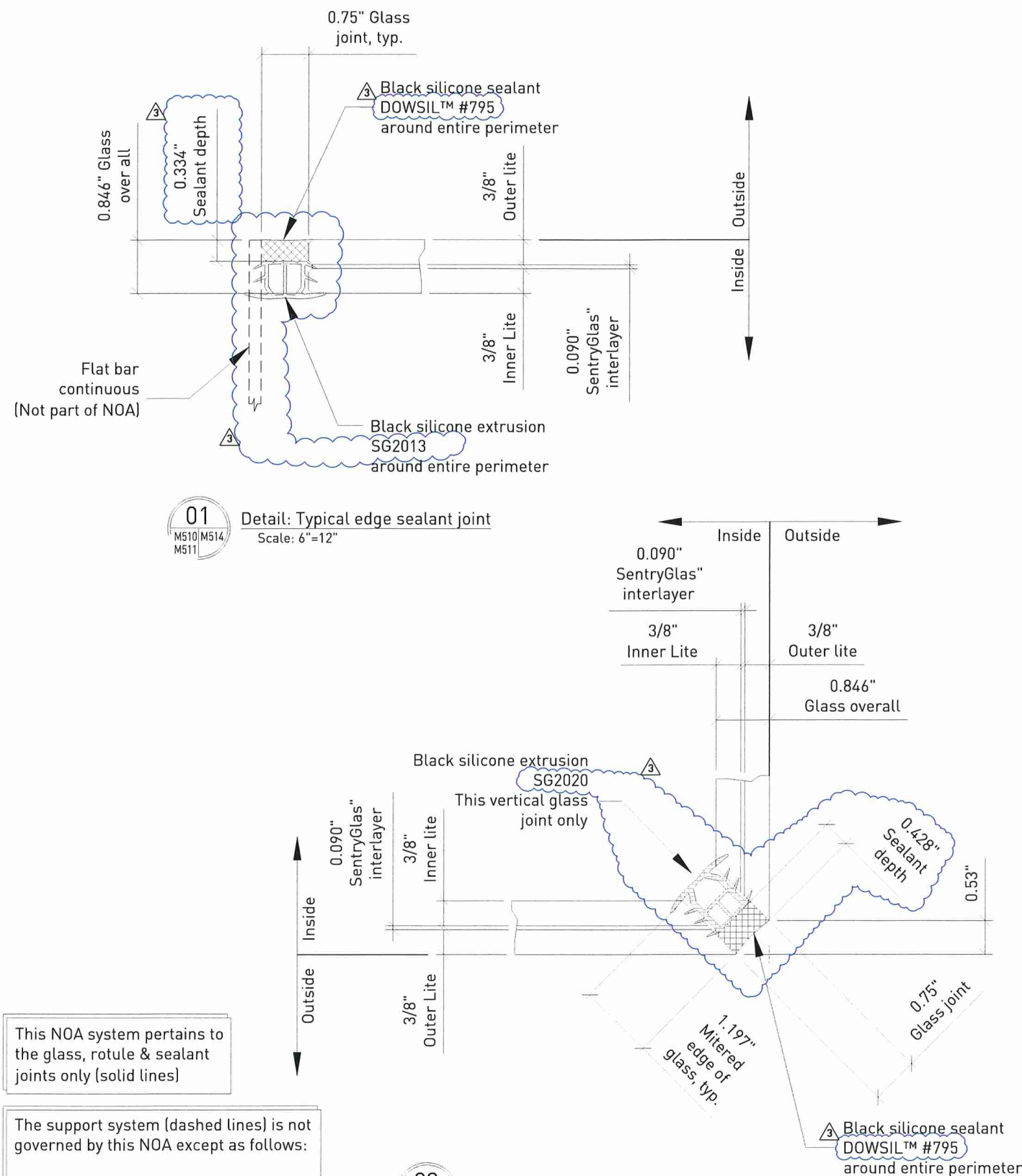
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

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:	25-183		

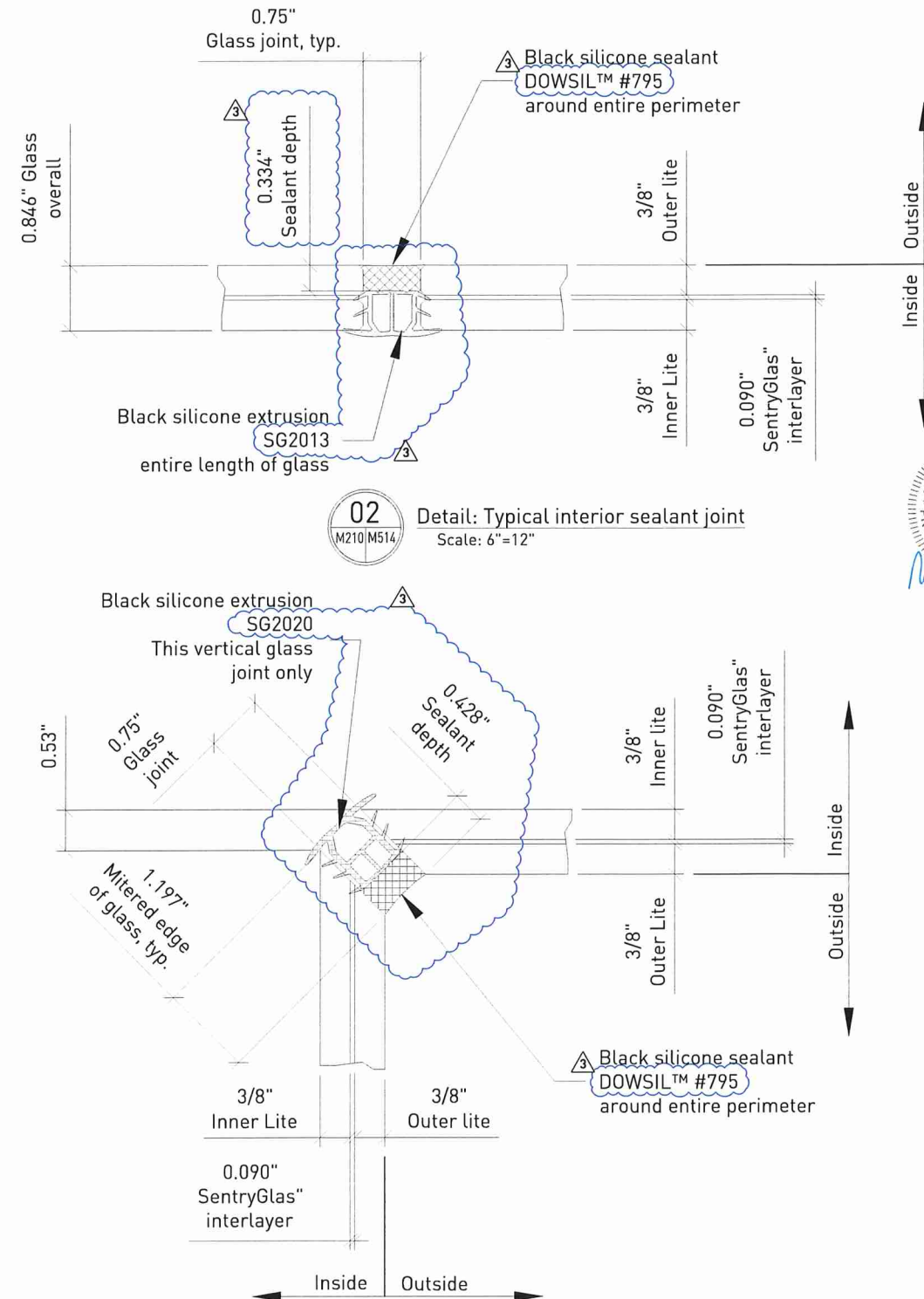
SHEET NUMBER:
MU512-3

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **26-0709.01**
Expiration Date: **08/25/2031**
By: *Manuel Torres*
Miami-Dade Product Control



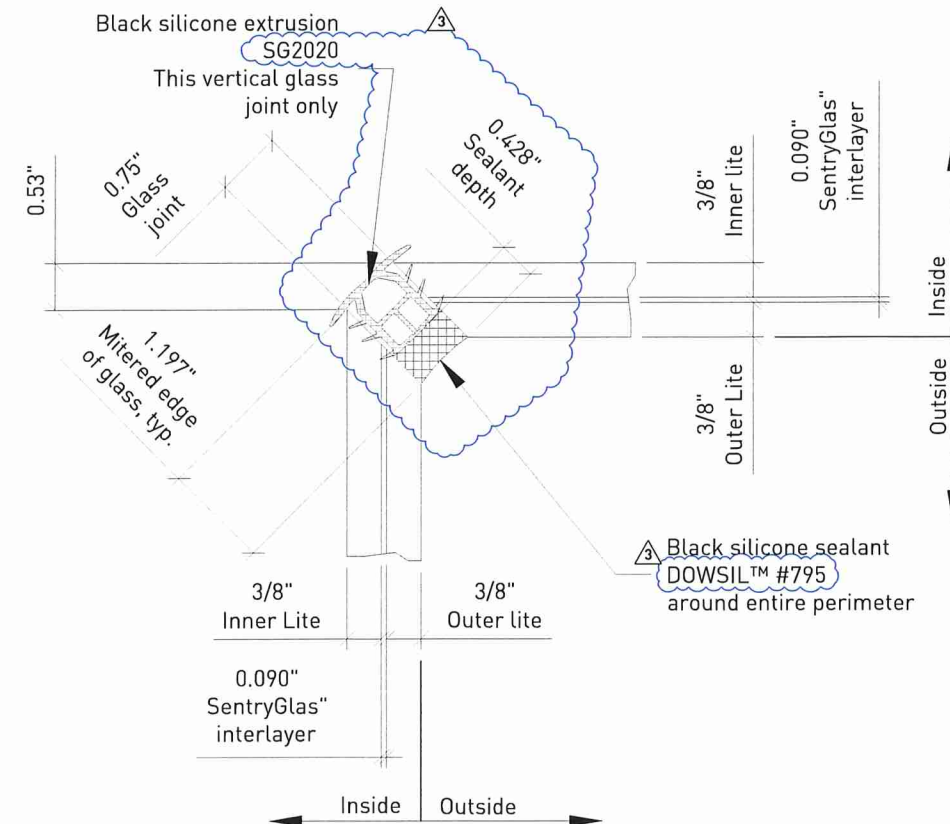
01
M510 M514
M511

Detail: Typical edge 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"

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 $L/180$. Δ

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
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

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN; PRODUCT REBRAND UPDATE			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
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

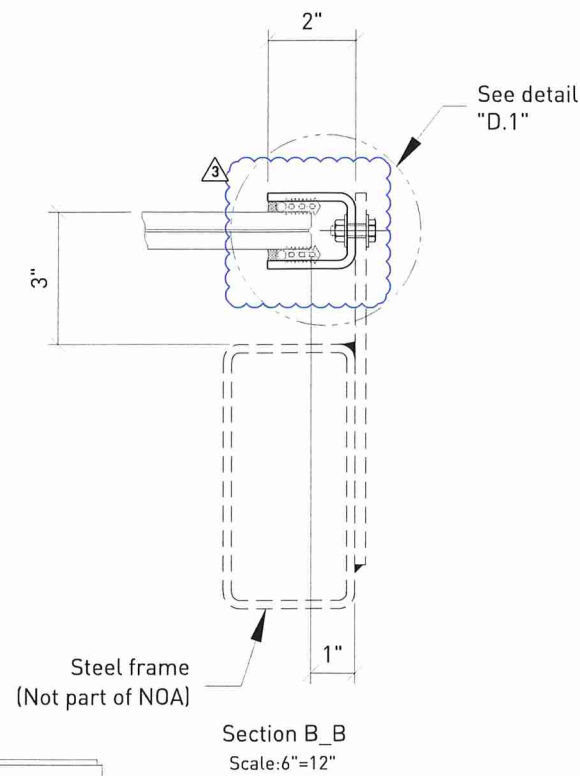
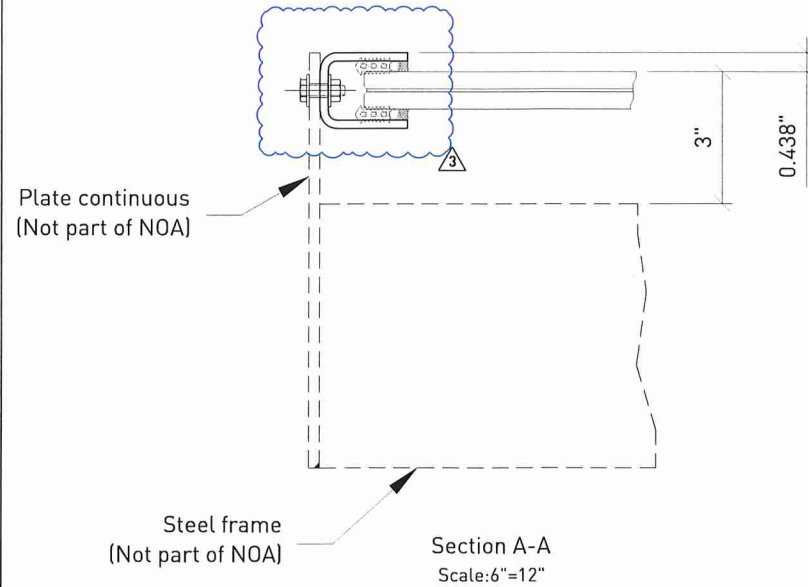
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM:HG01
VERTICAL WALL SYSTEM

DRAWING DESCRIPTION:
MOCK-UP #2
GLASS JOINT DETAILS

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

25-183

SHEET NUMBER:
MU514-3

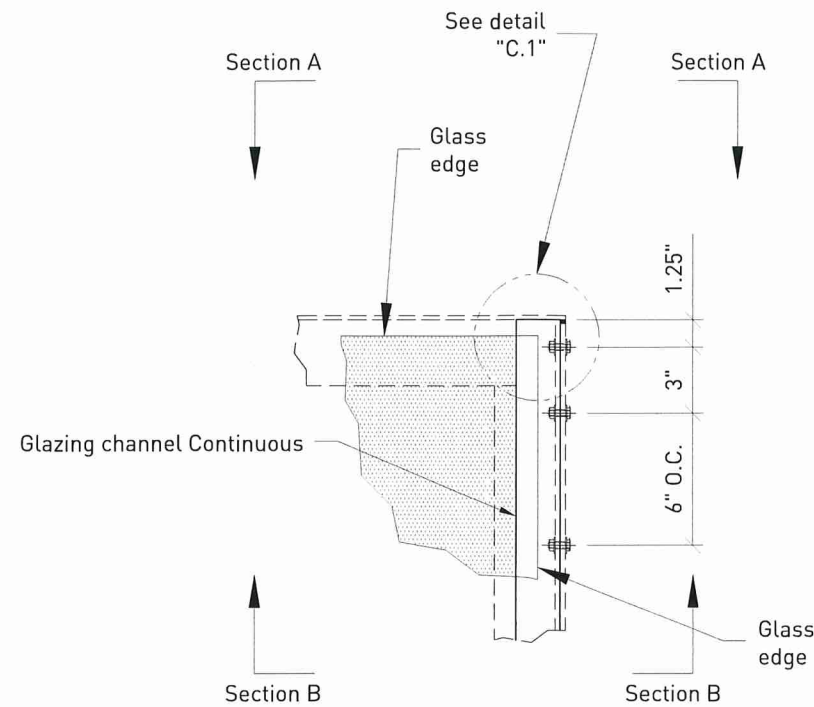


This NOA system pertains to the glass, rotule, glazing channel & sealant joints only (solid lines)

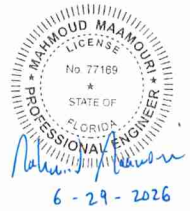
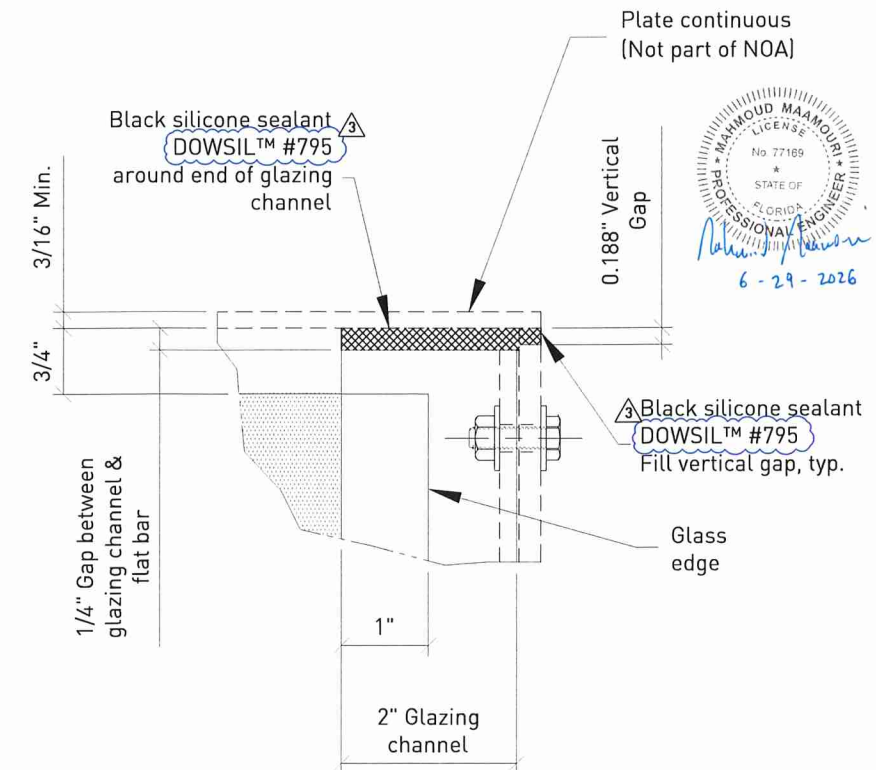
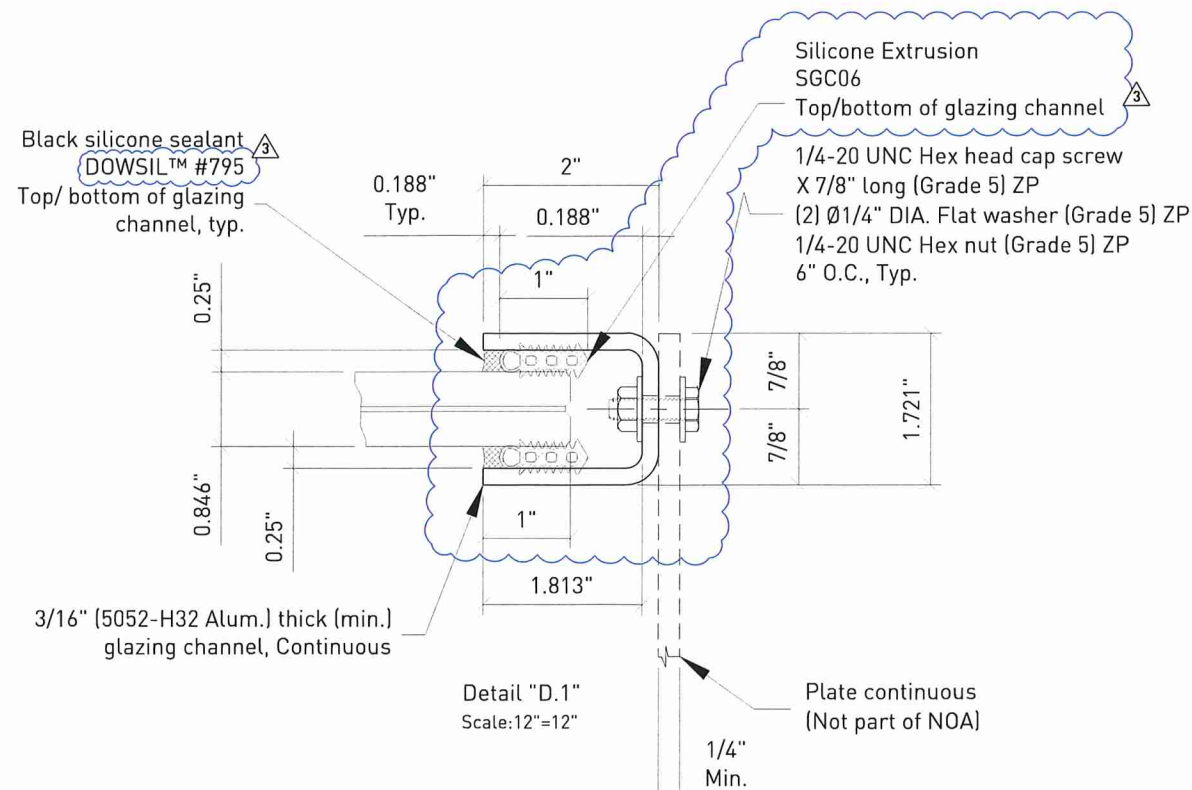
The support system (dashed lines) is not governed by this NOA except as follows:

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"



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EB-0001982
MAHMOUD MAAMOURI
PE # 77169

APPROVAL STAMP:

NOVUM STAMP

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN; PRODUCT REBRAND UPDATE			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV. NO.	DATE	DWG. BY	CHK. BY

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www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM; HG01
VERTICAL WALL SYSTEM

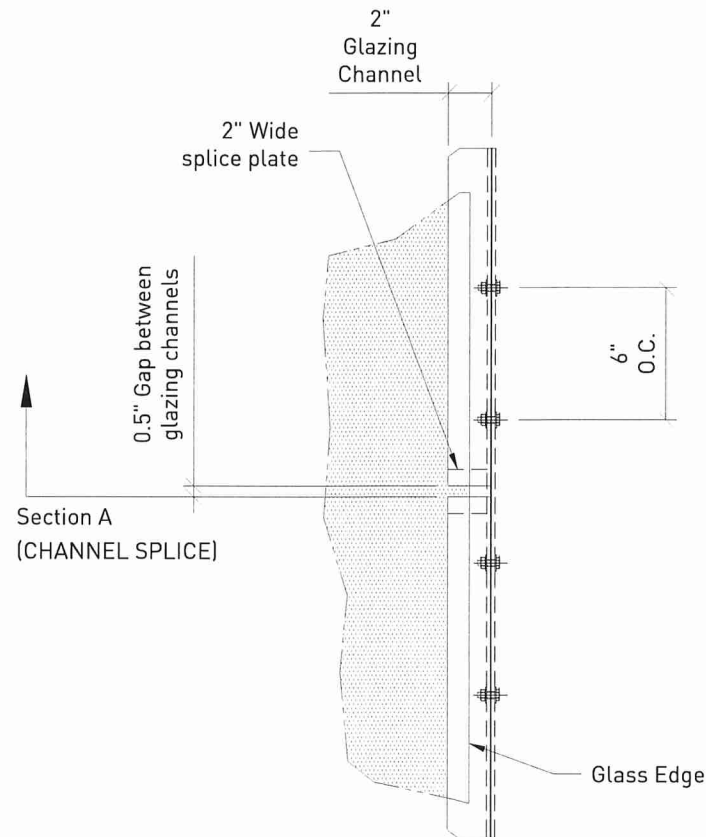
DRAWING DESCRIPTION:
MOCK- UP #2
SECTION & DETAIL VIEWS

DRAWN BY:	BTH	DATE:	02MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	3"=12"	PROJECT MANAGER:	GB
PROJECT NUMBER:	25-183		

SHEET NUMBER:
MU515-3

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control

26May2026 4:12 PM I:\PSG\2101 CALCS & TESTS\FLORIDA APPROVALS\HG01 - NOA WITH LAMINATED PSG\HG01 2024 FBC REVISION\DRAWINGS\25-183 VERTICAL WALL DWGS\MU516.DWG



01
M210/M516

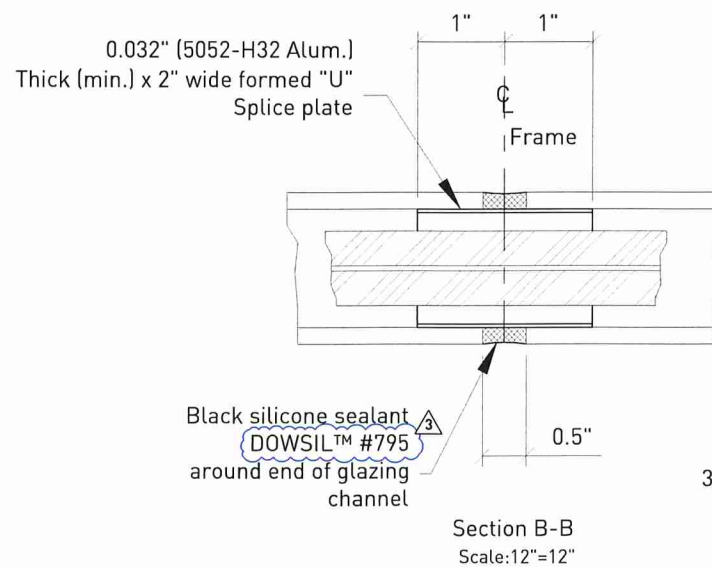
Detail: Glazing channel splice detail
Scale: 3"=12"

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

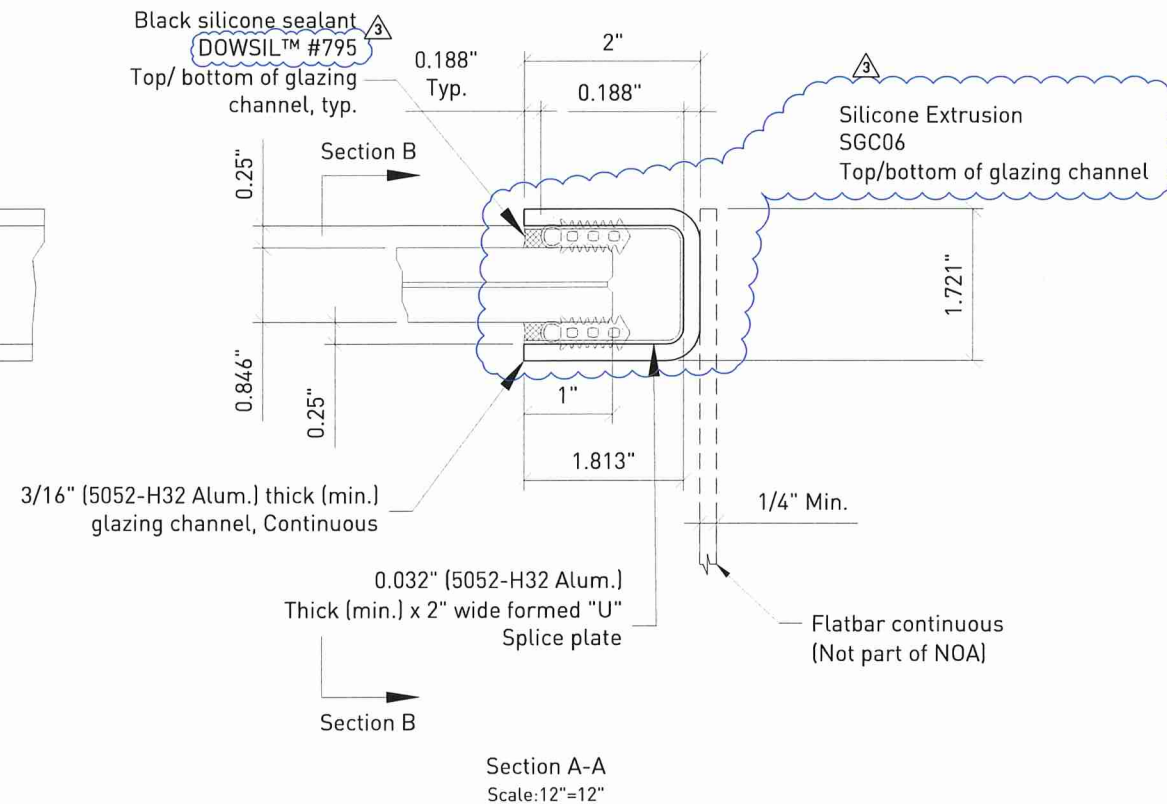
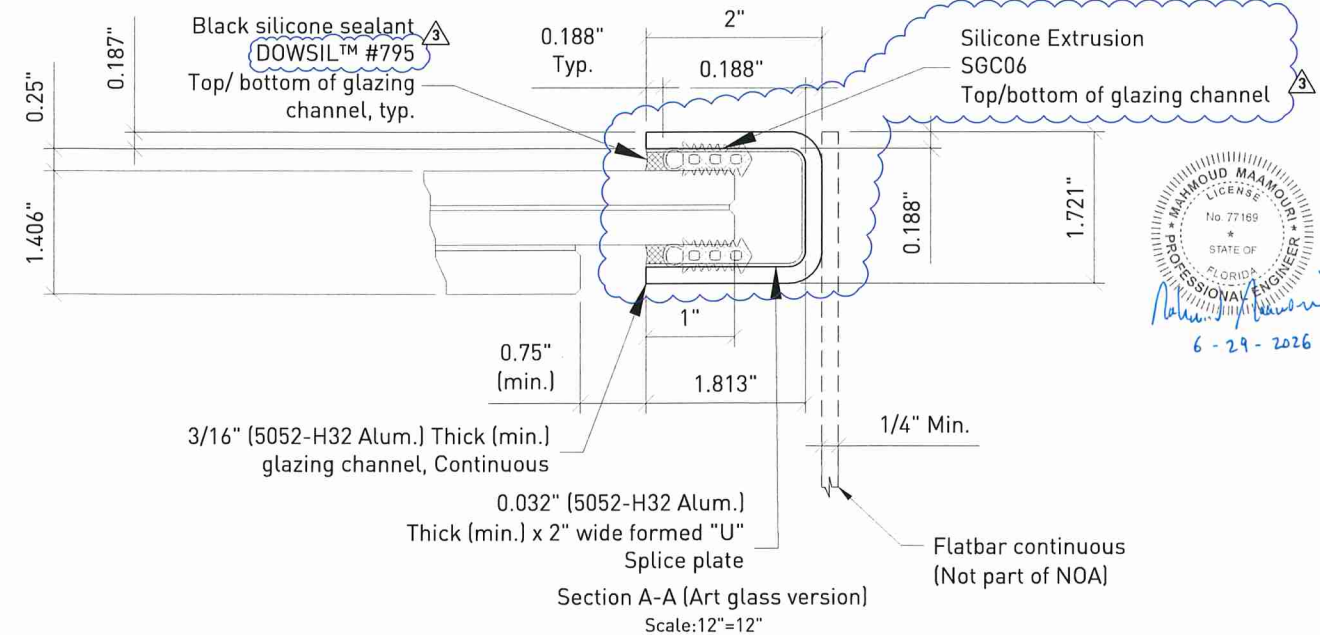
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Deflection of support framing not to exceed L/180.



Section B-B
Scale: 12"=12"



PRODUCT REVISED
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NOA-No. **26-0709.01**
Expiration Date: **08/25/2031**
By: *Manuel Perez*
Miami-Dade Product Control



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Milwaukee, WI 53217
(414) 351-5588
EB-0001982
MAHMOUD MAAMOURI
PE # 77169

APPROVAL STAMP:

NOVUM STAMP:

3	22MAY26	JFV	FP
REPLACED GASKET WITH NOVUM STANDARD DESIGN, PRODUCT REBRAND UPDATE			
2	21OCT20	ZJM	SWK
CHANGED DEFLECTION LIMIT FROM L/160 TO L/180			
1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV. NO.	DATE	DWG. BY	CHK. BY

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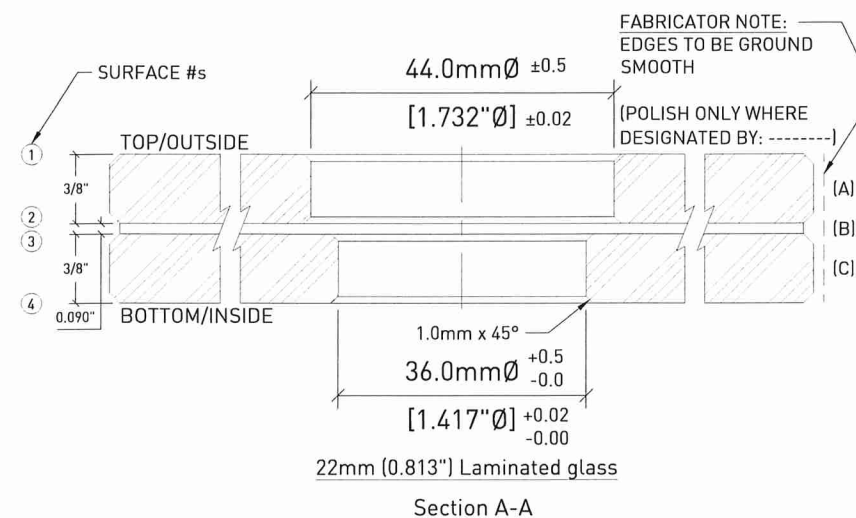
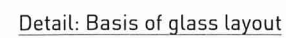
NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

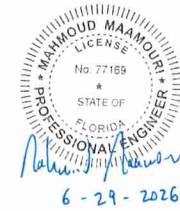
DRAWING DESCRIPTION:
MOCK-UP #2
SECTION & DETAIL VIEWS

DRAWN BY:	BTH	DATE:	02MAR10
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	3"=12"	PROJECT MANAGER:	GB
PROJECT NUMBER:	25-183		

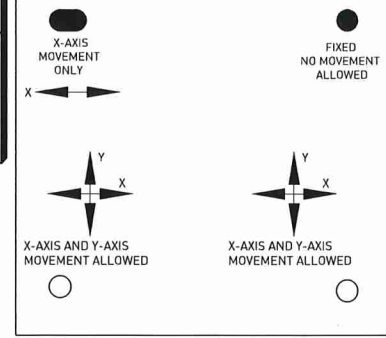
SHEET NUMBER:
MU516-3



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



0.75"
Glass
Joint



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

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PE. # 77169

APPROVAL STAMP:

NOVUM STAMP:

	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV.NO.	DATE	DWG.BY	CHK.BY

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NOVUM

PROJECT:
NOVUM 'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

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

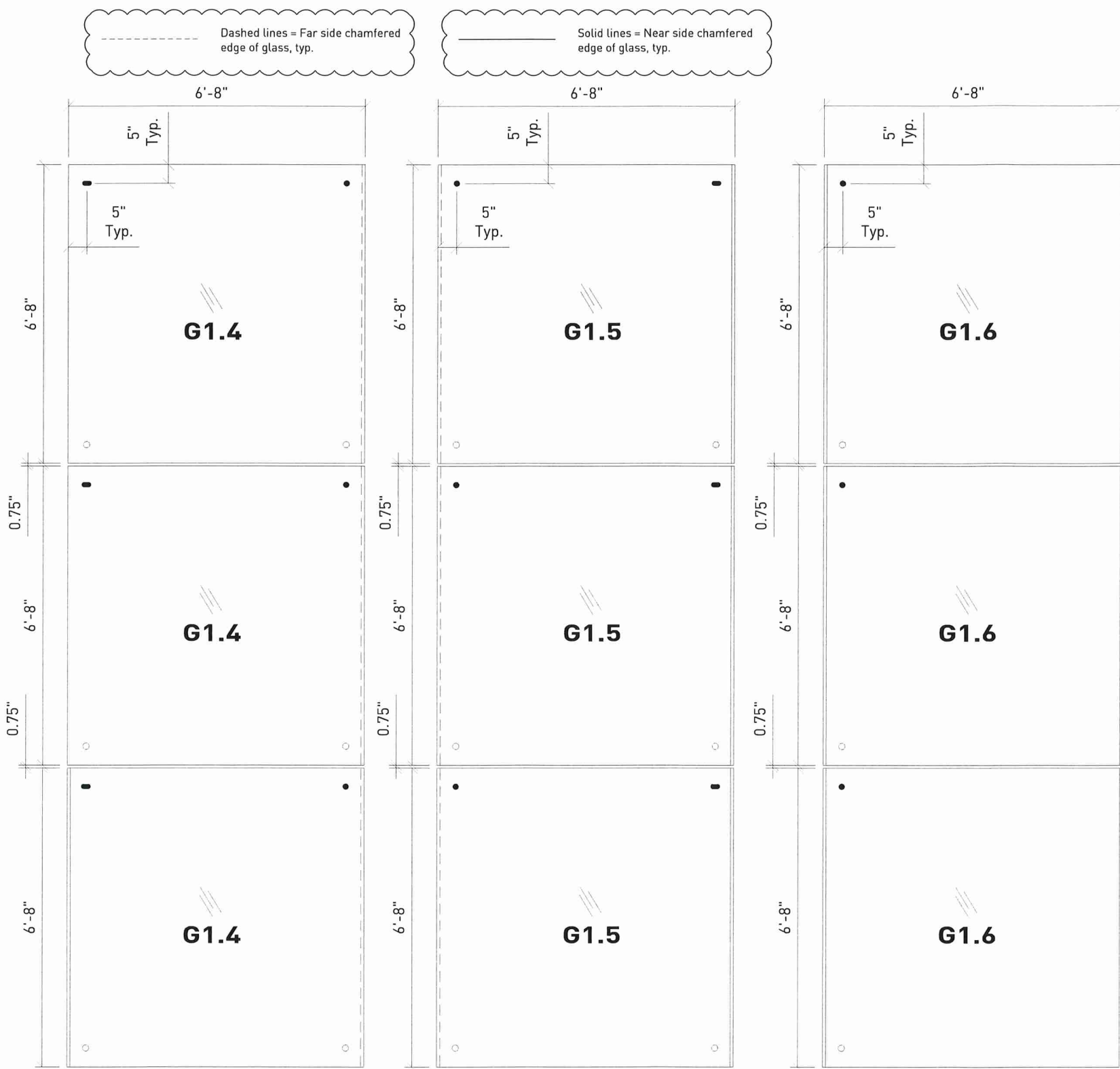
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CHECKED BY: SWK	APPROVED BY: SWK
SCALE: 1"=12"	PROJECT MANAGER: GB

PROJECT NUMBER: 25-183

SHEET NUMBER:
MU700-1

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control

26May2026 10:13 AM I:\PSG\2101 CALCS & TESTS\FLORIDA APPROVAL\SHG01 - NOA WITH LAMINATED PSG\HG01 2026 FBC REVISION\DRAWINGS\25-183 VERTICAL WALL DWGS\MU710.DWG



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

6'-8" Glass lite

0.75" Glass joint

6'-9.061" Out to out

6'-8" Glass lite

0.75" Glass joint

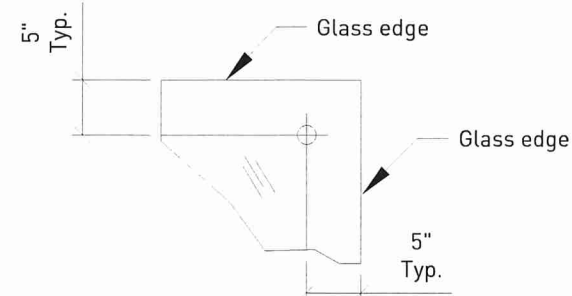
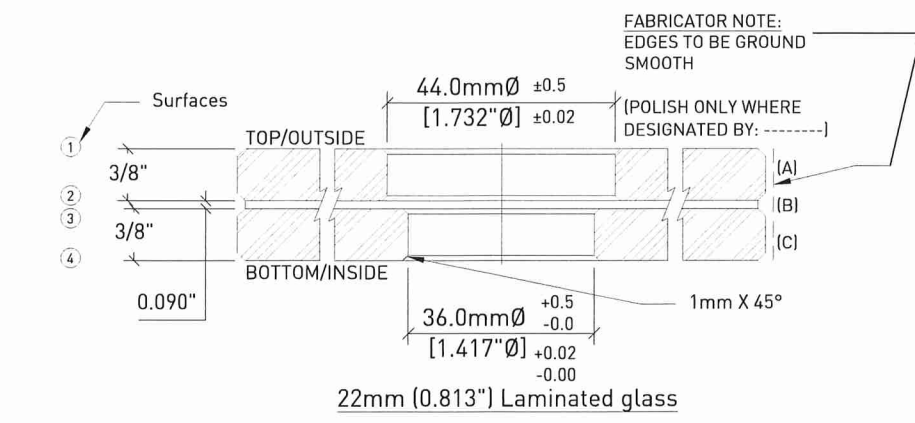
G1.4

G1.5

G1.6



GLASS LEGEND FROM ABOVE LOOKING DOWN



Detail: Basis of Center of Hole to edge of glass

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **26-0709.01**
Expiration Date: **08/25/2031**
By: *Manuel Torres*
Miami-Dade Product Control

COMPUTERIZED STRUCTURAL DESIGN, INC.
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EB-0001982
MAHMOUD MAAMOURI
PE # 77169

APPROVAL STAMP:

NOVUM STAMP:

1	23JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV. NO.	DATE	DWG. BY	CHK. BY

Novum Structures LLC
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Menomonee Falls, WI 53051 USA
T 262.255.5561
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info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL 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: 25-183			
SHEET NUMBER: MU710-1			

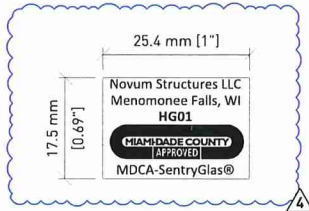
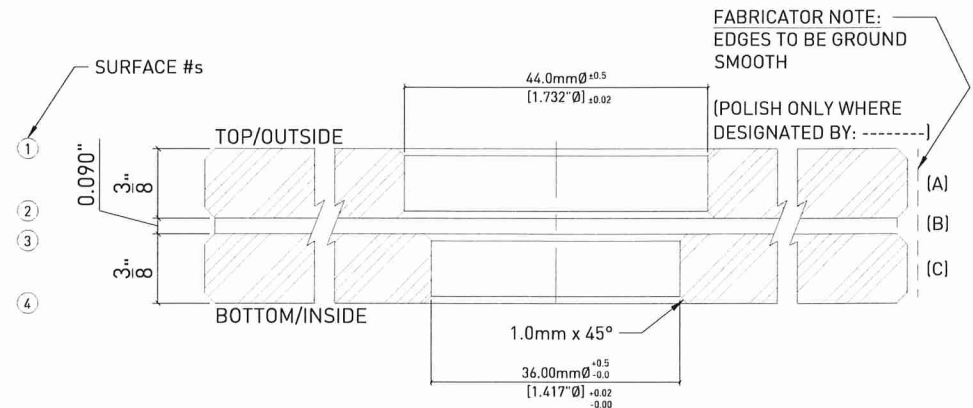
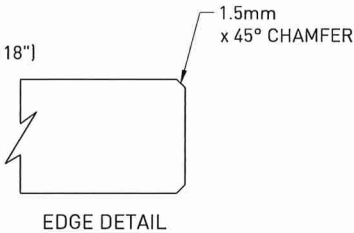
26May2026 10:16 AM I:\PSG\2101 CALCS & TESTS\FLORIDA APPROVAL\SHG01 - NOA WITH LAMINATED PSG\HG01 2026 FBC REVISION\DRAWINGS\25-183 VERTICAL WALL DWGS\MU800.DWG

GLASS SPECIFICATION:

- (A:) 3/8" CLEAR OUTER LITE - FULLY TEMPERED, OPTIONAL DOT FRIT OR LINE FRIT ON SURFACE #2, MAXIMUM 50% 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:

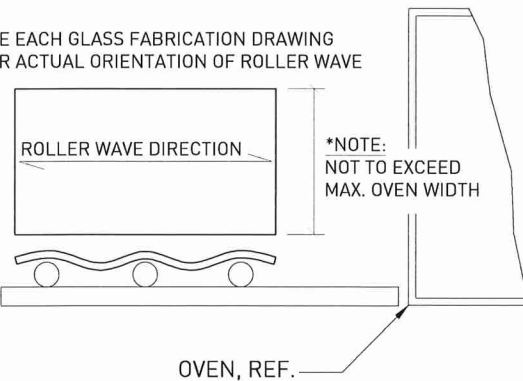
- ±1.5mm (±0.06") FOR WIDTH AND LENGTH FOR GLASS DIMENSIONS LESS THAN 1500mm (59")
±2.0mm (±0.08") FOR WIDTH AND LENGTH FOR GLASS DIMENSIONS BETWEEN 1500mm (59") AND 3000mm (118")
±2.0mm (±0.08") FOR DIAGONALS FOR GLASS DIMENSIONS LESS THAN 1500mm (59")
±3.0mm (±0.12") FOR DIAGONALS FOR GLASS DIMENSIONS 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



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

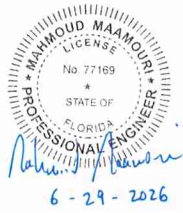
22.0mm (0.813") LAMINATED GLASS

SEE EACH GLASS FABRICATION DRAWING FOR ACTUAL ORIENTATION OF ROLLER WAVE



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



COMPUTERIZED STRUCTURAL DESIGN, INC.
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Milwaukee, WI 53217
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EB-0001982
MAHMOUD MAAMOURI
PE. # 77169

APPROVAL STAMP:

NOVUM STAMP:

4	22MAY26	JFV	FP
UPDATED NOA LABEL			
3	03NOV23	FAR	FP
UPDATED SG NOA # & ADDED FRIT			
2	21OCT20	ZJM	SWK
UPDATED SGP NOA NO.			
1	22JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
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
VERTICAL WALL SYSTEM

DRAWING DESCRIPTION:
GLASS MAKE- UP SHEET

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
By: Manuel Perez
Miami-Dade Product Control

DRAWN BY:	BTH	DATE:	22JUL11
CHECKED BY:	SWK	APPROVED BY:	SWK
SCALE:	NONE	PROJECT MANAGER:	GB
PROJECT NUMBER:			
25-183			
SHEET NUMBER:			
MU800-4			

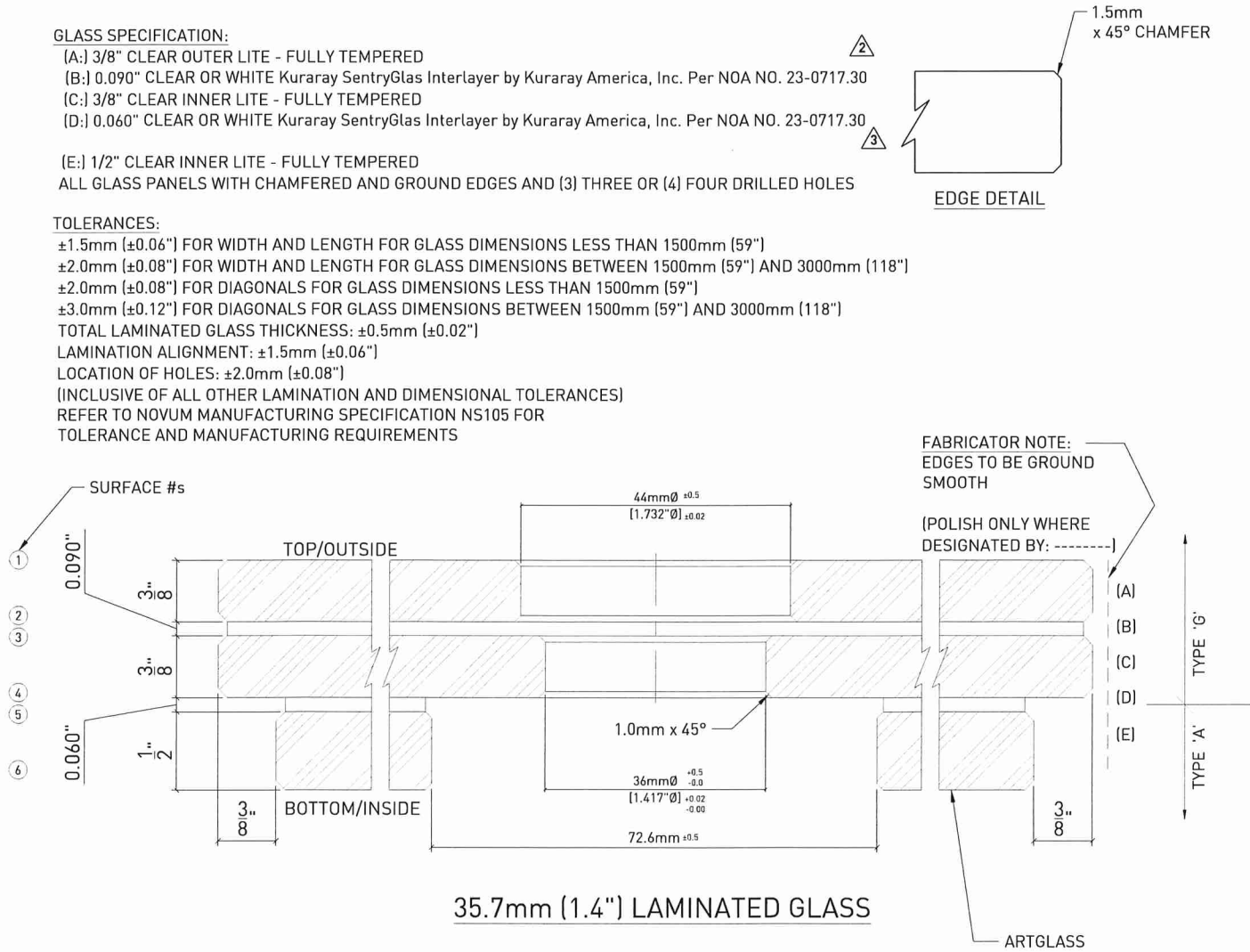
GLASS SPECIFICATION:

- (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

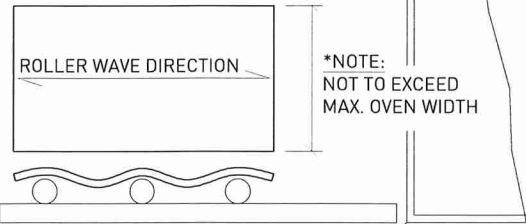
- (E:) 1/2" CLEAR INNER LITE - FULLY TEMPERED
ALL GLASS PANELS WITH CHAMFERED AND GROUND EDGES AND (3) THREE OR (4) FOUR DRILLED HOLES

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



SEE EACH GLASS FABRICATION DRAWING FOR ACTUAL ORIENTATION OF ROLLER WAVE

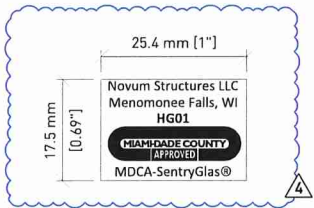


OVEN, REF.

- * 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

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



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

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 26-0709.01
Expiration Date: 08/25/2031
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 # 77189

APPROVAL STAMP:

NOVUM STAMP:

4	22MAY26	JFV	FP
UPDATED NOA LABEL			
3	03NOV23	FAR	FP
UPDATED SG NOA #			
2	21OCT20	ZJM	SWK
UPDATED SGP NOA NO.			
1	22JUL11	BTH	SWK
REVISED PER COMMENTS BY BCCO			
REV.NO.	DATE	DWG.BY	CHK.BY

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NOVUM

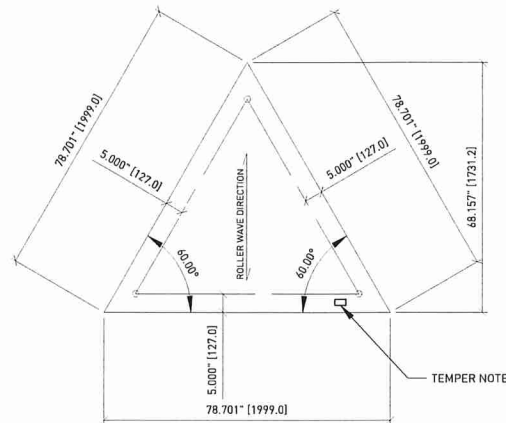
PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

DRAWING DESCRIPTION
GLASS MAKE- UP SHEET

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

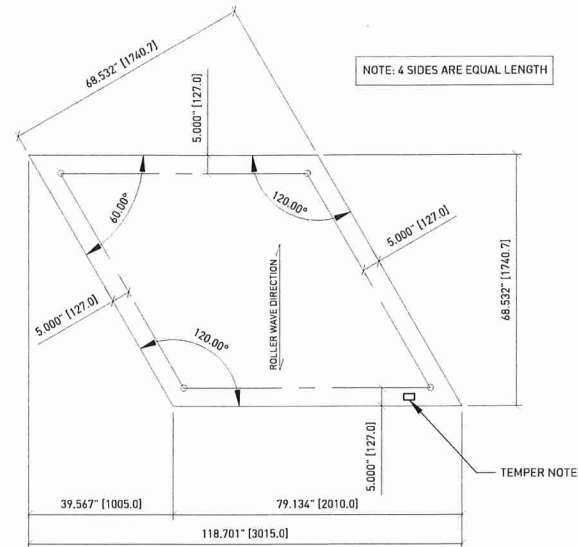
25-183

SHEET NUMBER:
MU801-4



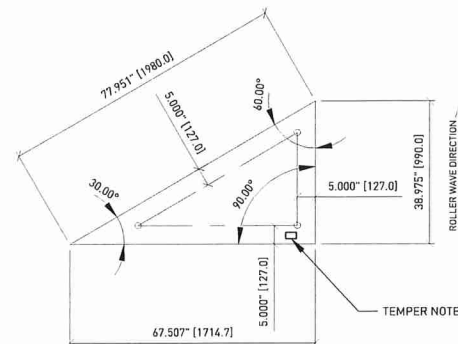
QUANTITY REQ'D= 4
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.1



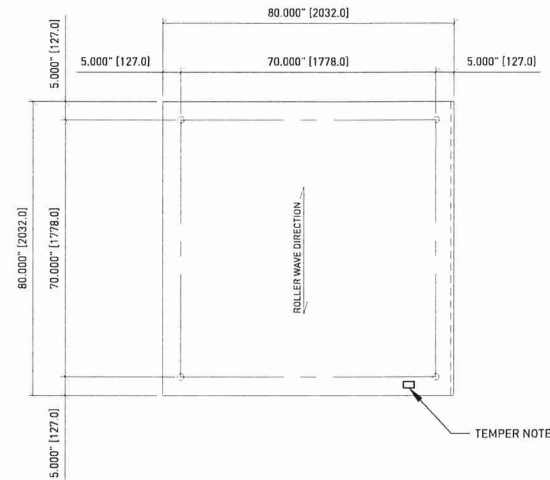
QUANTITY REQ'D= 3
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.2



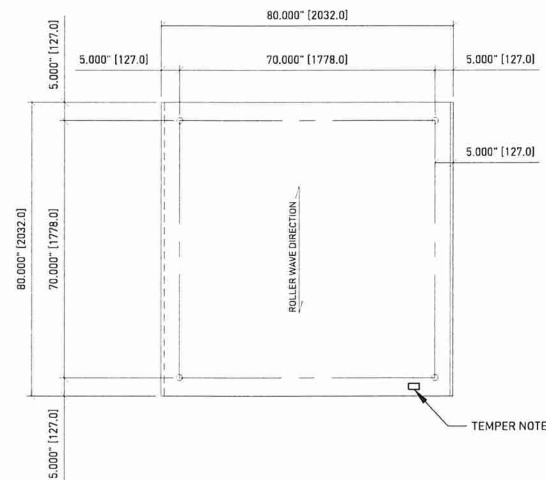
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GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.3



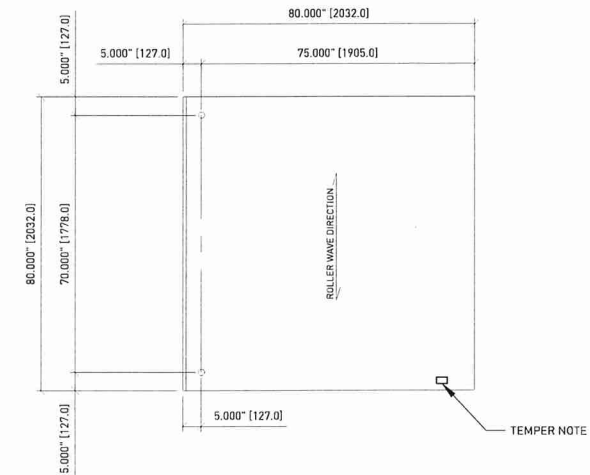
QUANTITY REQ'D= 3
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.4



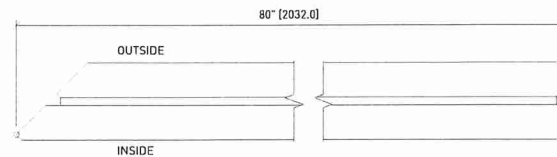
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GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU800 FOR GLASS MAKE-UP
AND HOLE DETAILS

G1.5



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

G1.6



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

G1.6



COMPUTERIZED STRUCTURAL
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EB-0001982
MAHMOUD MAAMOURI
PE # 77169

ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

22JUL11 BTH SWK
REVISED PER COMMENTS BY BCCO

Novum Structures LLC
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Menomonee Falls, WI 53051 USA
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www.novumstructures.com
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NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

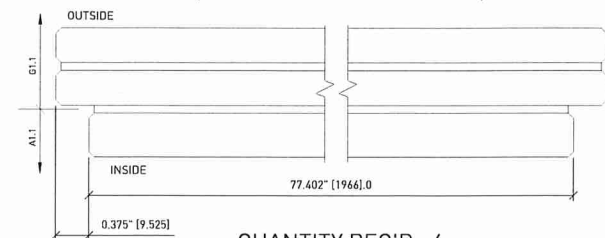
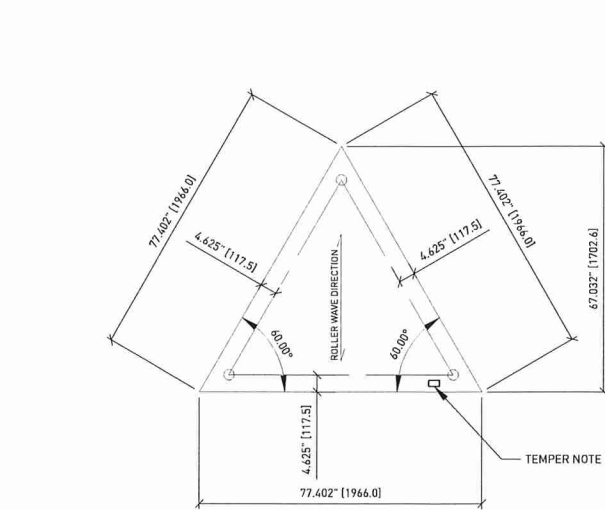
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GLAS DETAILS
NON- ART GLASS

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

PROJECT NUMBER:
25-183

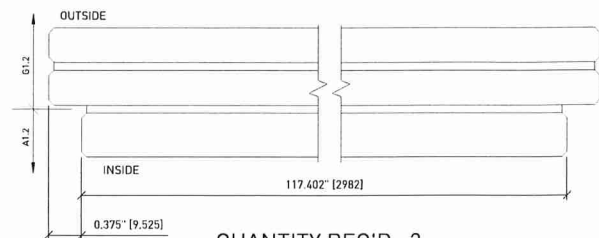
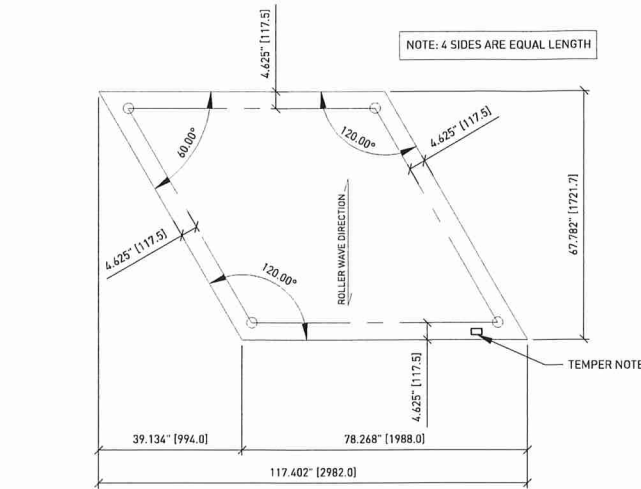
SHEET NUMBER:
MU802-1

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **26-0709.01**
Expiration Date: **08/25/2031**
By: *Manuel Perez*
Miami-Dade Product Control



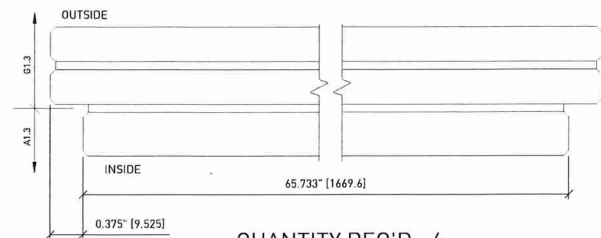
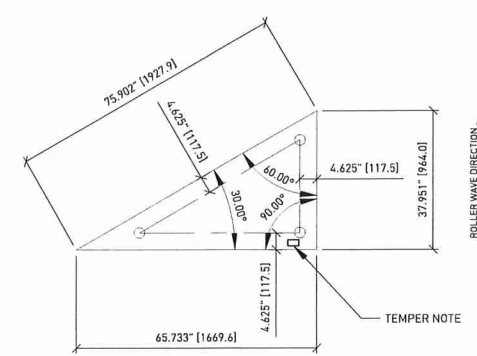
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REF. SHEET MU801 FOR GLASS MAKE-UP
AND HOLE DETAILS

G2.1



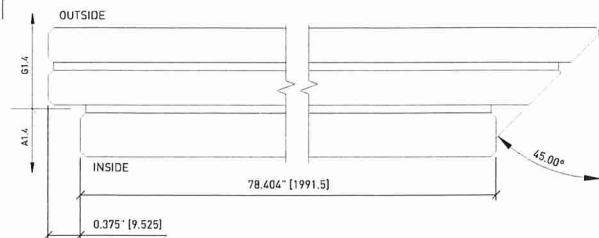
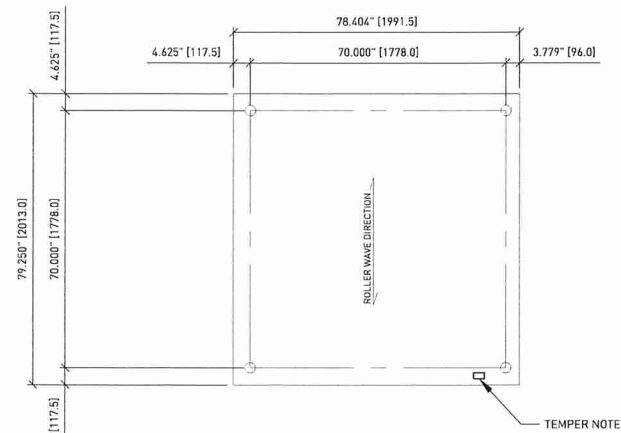
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GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU801 FOR GLASS MAKE-UP
AND HOLE DETAILS

G2.2



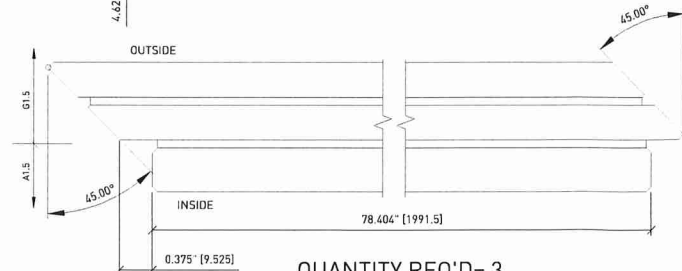
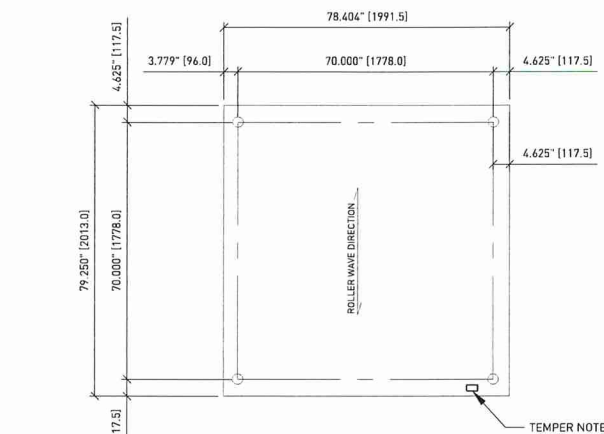
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GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU801 FOR GLASS MAKE-UP
AND HOLE DETAILS

G2.3



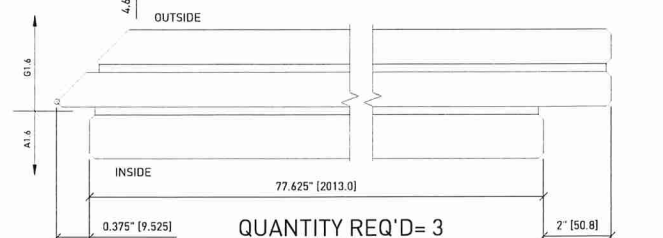
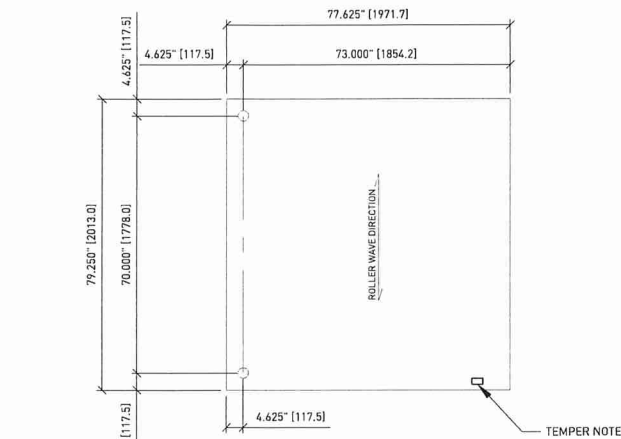
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REF. SHEET MU801 FOR GLASS MAKE-UP
AND HOLE DETAILS

G2.4



QUANTITY REQ'D= 3
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU801 FOR GLASS MAKE-UP
AND HOLE DETAILS

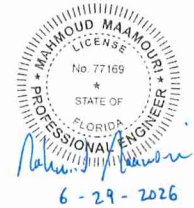
G2.5



QUANTITY REQ'D= 3
GLASS PANELS SEEN FROM ABOVE/OUTSIDE.
REF. SHEET MU801 FOR GLASS MAKE-UP
AND HOLE DETAILS

G2.6

PRODUCT REVISED
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Building Code
NOA-No. **26-0709.01**
Expiration Date: **08/25/2031**
By: *Manuel Torres*
Miami-Dade Product Control



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ENGINEER STAMP:

APPROVAL STAMP:

NOVUM STAMP:

1 23JUL11 BTH SWK
REVISED PER COMMENTS BY BCCO

REV. NO. DATE DWG. BY CHK. BY
NOVUM Structures LLC
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www.novumstructures.com
info@novumstructures.com

NOVUM

PROJECT:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL SYSTEM

DRAWING DESCRIPTION:
GLAS DETAILS
ART GLASS

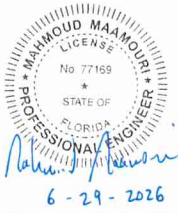
DRAWN BY: BTH DATE: 22JUL11
CHECKED BY: SWK APPROVED BY: SWK
SCALE: NONE PROJECT MANAGER: GB

SHEET NUMBER:
25-183

SHEET NUMBER:
MU803-1

26May2026 4:25 PM I:\PSG\2101 CALCS & TESTS\FLORIDA APPROVALS\HG01 - NOA WITH LAMINATED PSG\HG01 2026 FBC REVISION\DRAWINGS\25-183 VERTICAL WALL DWGS\MU804.DWG

NOVUM																
Bill of Material					Project			Project No.		BoM Rev.No.	Rev. Date:	Rev. By:	Desc. / Rev. Dwg.			
					NOA HG01 BOM			25-183								
					Description			BoM Number								
VERTICAL WALL SYSTEM					MU804											
Fab No.	Component No.	Revision		Quantity	Description	Unit: Inches (U.N.O.)		Material	Standard / Finish	Weight Unit: Pounds		Painting Area		Production Component Type	Remarks	Release Date
		Dwg	BoM			Width	Length			Piece	Total	Piece	Total			
HA600					HARDWARE & ACCESSORIES											
				2	DOWSIL #795 Silicone - Black											
					1/4-20 UNC Hex Head Bolt, 0.875" long		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							
	SGC06				SGC06 Silicone Extrusion (Trelleborg Profile: P3924)				Black							
	SG2013				SG2013 Silicone Extrusion (Trelleborg Profile: P3369)			70 DURO SHORE A	Black							
	SG2020				SG2020 Silicone Extrusion (Trelleborg Profile: P3925)			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											
	RW16-SS				M16 LOW HEXAGON JAM NUT			DIN 936-A4								
	RW16-SS				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				
PRODUCT REVISED As complying with the Florida Building Code NOA-No. 26-0709.01 Expiration Date: 08/25/2031 By: Manuel Perez Miami-Dade Product Control																



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22MAY26 JFV FP
UPDATED EXTRUSIONS USED;
PRODUCT REBRAND UPDATE

2AUG11 BTH SWK
REVISED PER COMMENTS BY BCCO

REV.NO. DATE DWG.BY CHK.BY

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NOVUM

PAGE 1:
NOVUM'S HURRICANE PSG
GLASS SYSTEM: HG01
VERTICAL WALL 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:
25-183
SHEET NUMBER:
MU804-2