



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

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

**IAM Design**  
2955 NW 75<sup>th</sup> Street  
Miami, Florida 33147

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

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

This product is approved as described herein and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Glass U P2 Glass Railing System

**APPROVAL DOCUMENT:** Drawing No. IAM002, titled **Glass U P2 Glass Railing System**, 3 sheets, prepared by Building Drops, signed and sealed by Hermes F. Norero, P.E., on May 17, 2024, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval 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 and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. The structural adequacy of the supporting structures is not part of this approval & shall be reviewed by the corresponding Building Dept.

This NOA consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

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



*Helmy A. Makar*  
10/31/24

NOA No. 24-0522.01  
Expiration Date: 10/31/2029  
Approval Date: 10/31/2024

**IAM Design**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. IAM002, titled **Glass U P2 Glass Railing System**, 3 sheets, prepared by Building Drops, signed and sealed by Hermes F. Norero, P.E., on May 17, 2024.*

**B. TESTS**

1. *Test Report No. **BT-AFM-23-001**, by Blackwater Testing, Inc., dated 03/05/2024, signed & sealed by Michael D. Caldwell, P.E., testing Glass Railing for concentrated and distributed loads per FBC 1618.4.6, Impacts per ANSI Z97.1, Impacts per TAS 201-94 and Static Wind Load per TAS 202-94.*

**C. CALCULATIONS**

1. *Calculation titled "**Glass U P2 Glass Railing System**", dated April 08, 2024, 62 pages, prepared by Building Drops, signed and sealed by Hermes F. Norero, P.E.*

**D. QUALITY ASSURANCE**

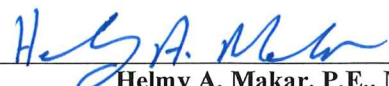
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. STATEMENTS**

1. ***Florida Building Code, 2023 Edition Compliance Letter** prepared by Building Drops, signed and sealed by Hermes F. Norero, P.E., on April 08, 2024.*



Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No. 24-0522.01

Expiration Date: 10/31/2029

Approval Date: 10/31/2024



# IAM DESIGN

## GLASS U P2 GLASS RAILING SYSTEM

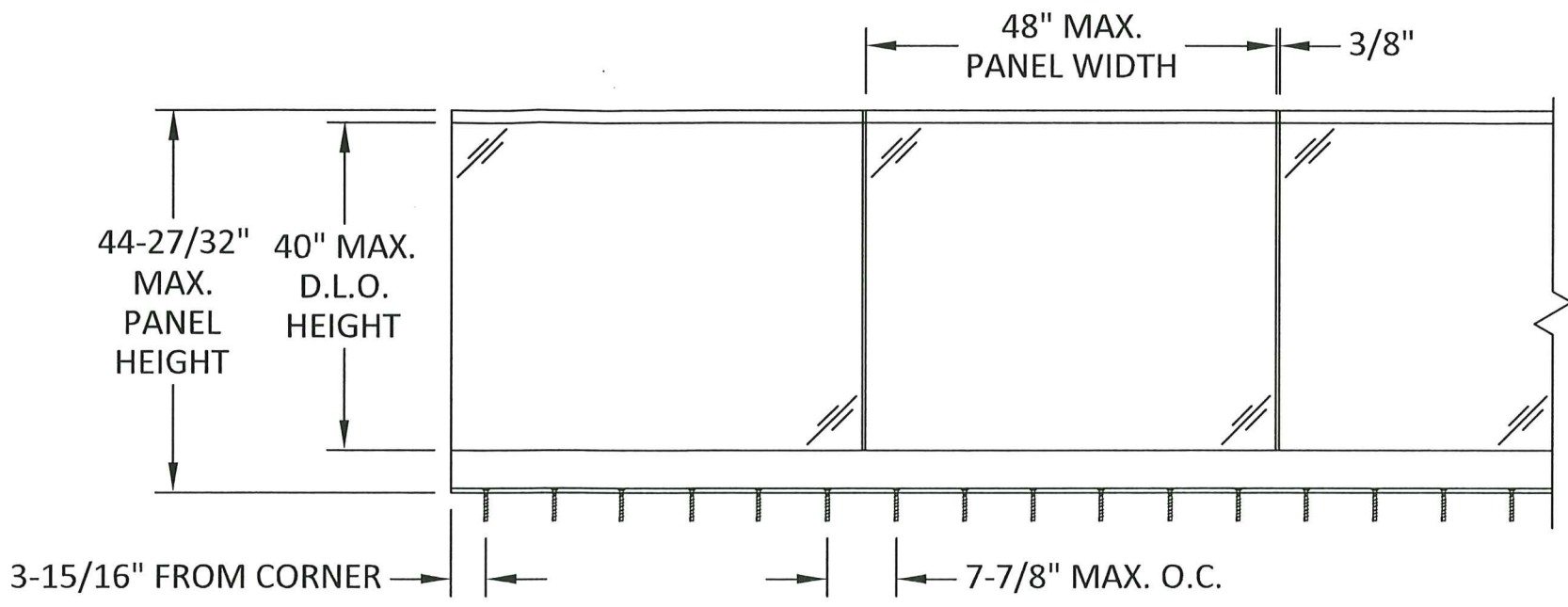


2955 NW 75TH STREET  
MIAMI, FL 33147  
PH: (305) 836-9232 FX: (305) 836-4113

TITLE: GLASS U P2 GLASS RAILING SYSTEM  
GENERAL NOTES, ELEVATION, DESIGN PRESSURE TABLE, & GLAZING DETAILS  
PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI CT., SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

### GENERAL NOTES:

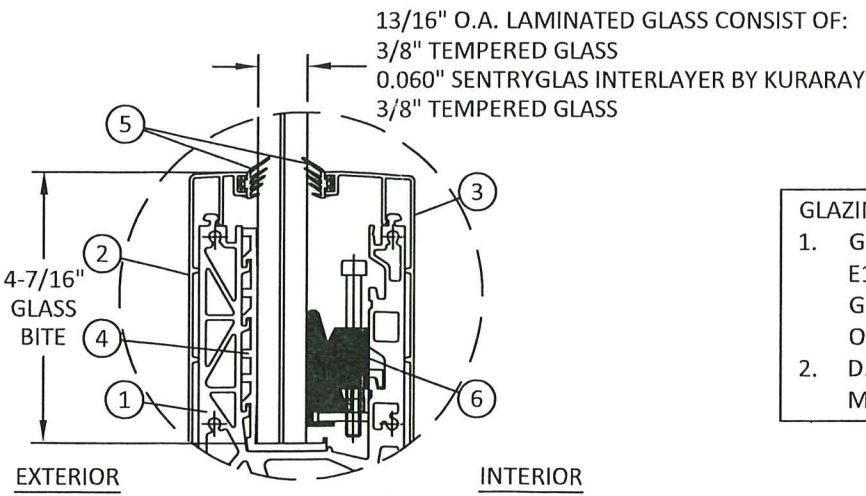
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 7TH EDITION (2020) OF FLORIDA BUILDING CODE (FBC) **INCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - ANSI Z97.1
  - CONCENTRATED AND DISTRIBUTED LOAD PER FBC SECTION 1618.4.6
  - TAS 201-94
  - TAS 202-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
4. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
5. RAILING MATERIAL: 304 STAINLESS STEEL, ALUMINUM 6063-T6.
6. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAIL.



TYPICAL ELEVATION

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, ELEVATION, DESIGN PRESSURE TABLE, AND GLAZING DETAILS
2	INSTALLATION NOTES AND ANCHOR DETAILS
3	BILL OF MATERIALS AND COMPONENTS

MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
+85/-85 PSF	LARGE & SMALL MISSILE IMPACT



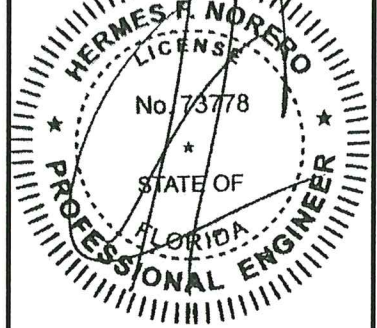
GLAZING DETAIL

Approved as complying with the  
Florida Building Code  
Date: 10/31/2024  
NOA# 24-0522-01  
Miami Dade Product Control  
By: H. J. A. Norero

- GLAZING NOTES:
1. GLASS TYPE & THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
  2. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN SHEET 1.

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Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2024.05.11 10:00



HERMES F. NORERO, P.E.  
FLORIDA P.E. No. 73778  
BUILDING DROPS, INC  
1900 NE MIAMI CT., SUITE 215  
MIAMI, FL 33132  
FBPE CERT. OF AUTHORIZATION No. 29578

DATE:	04.07.2024
DWG. BY:	MS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	IAM002
SHEET:	1

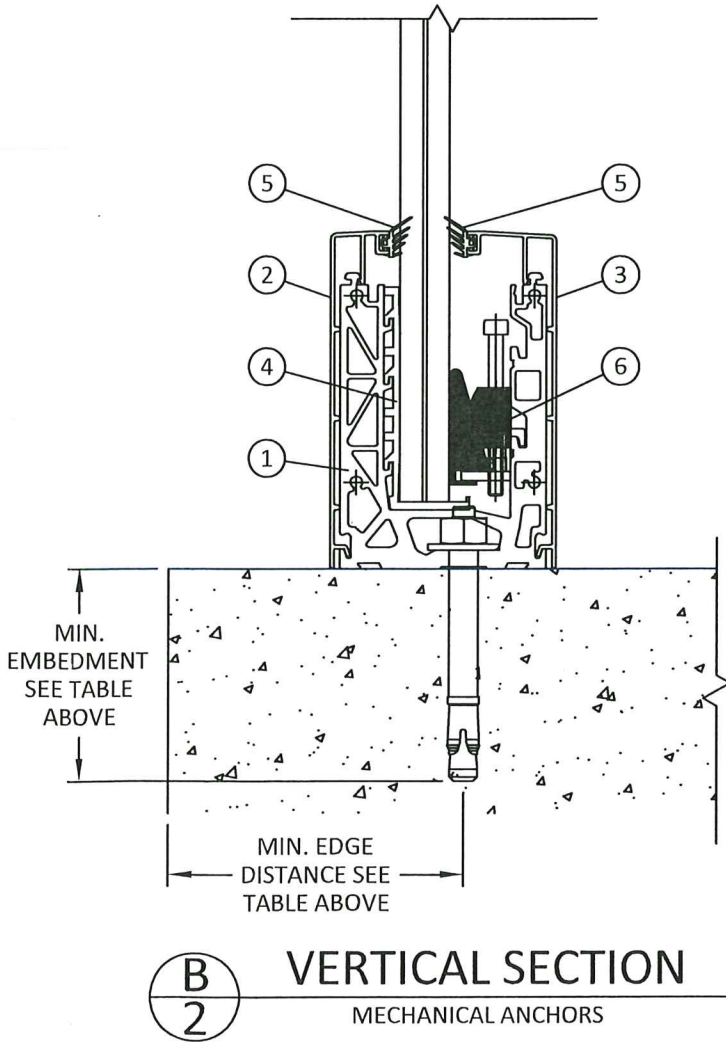
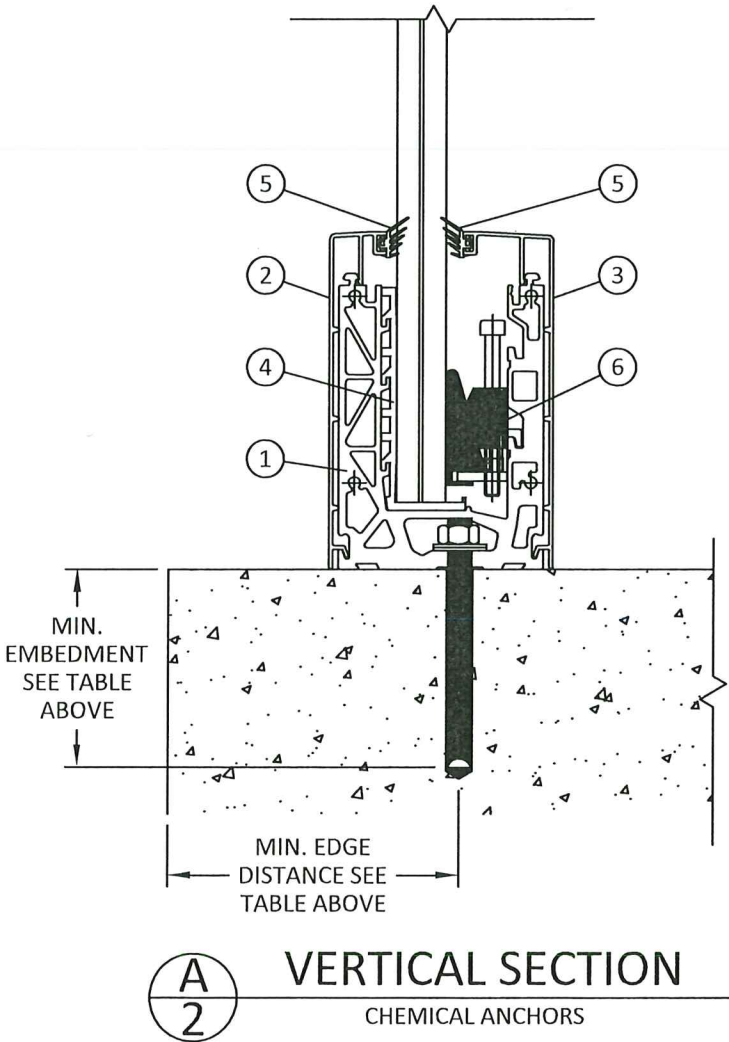


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INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 5. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE				
SUBSTRATE	ADHESIVE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
CONCRETE: MIN. f'c = 4000 psi, UNCRACKED	DEWALT PURE220+	1/2" THREADED ROD ASTM F1554 GR. 55	4"	8-3/8"
	HILTI HIT-HY 200 V3	1/2" HIT-Z ANCHOR ROD	4"	8-5/8"
CONCRETE: MIN. f'c = 6000 psi, UNCRACKED	-	1/2" DEWALT POWER-STUD+ SD2	3-3/4"	10"
	-	1/2" HILTI KWIK BOLT TZ 2	3-3/4"	10"
	DEWALT PURE220+	1/2" THREADED ROD ASTM F1554 GR. 55	3-5/8"	6-7/8"
	HILTI HIT-HY 200 V3	1/2" HIT-Z ANCHOR ROD	3-5/16"	5"



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By *Helga A. Melon*



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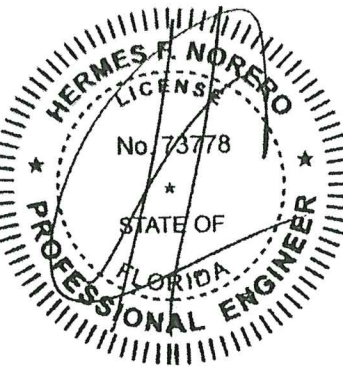
TITLE: GLASS U P2 GLASS RAILING SYSTEM  
INSTALLATION NOTES &  
ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI CT., SUITE 2-15  
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PH: (954) 959-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

B.D. BUILDING DROPS

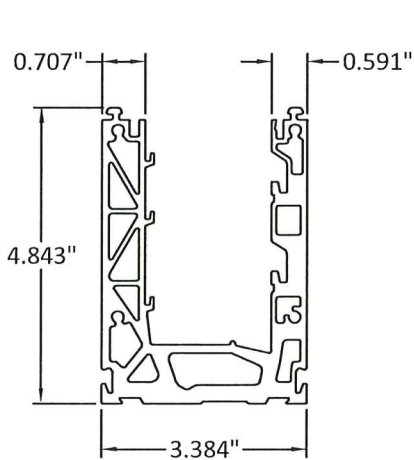
REMARKS	BY	DATE

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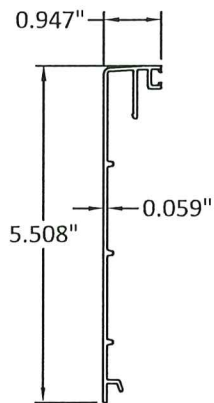


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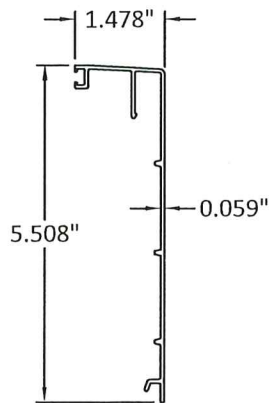
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DWG. BY: MS  
CHK. BY: HFN  
SCALE: NTS  
DWG. #: IAM002  
SHEET:



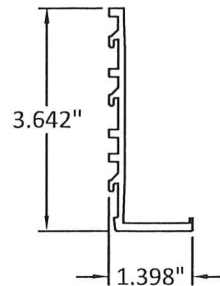
① GLASS U P2 PROFILE



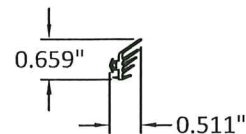
② EXTERIOR COVER



③ INTERIOR COVER



④ SETTING KIT



⑤ GASKET



⑥ ACE-BLOCK® SYSTEM

BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
1	E1700800	GLASS U P2 PROFILE	ALUMINUM 6063-T6	IND.I.A
2	E1700830	EXTERIOR COVER	ALUMINUM 6063-T6	IND.I.A
3	E1700820	INTERIOR COVER	ALUMINUM 6063-T6	IND.I.A
4	E1999023	SETTING KIT	PLASTIC	IND.I.A
5	E1999026	GASKET	EPDM	IND.I.A
6	E1999021	ACE-BLOCK® SYSTEM	-	IND.I.A

PLASTIC PROPERTIES

COMPOSITION: POLYAMIDE (PA6) 70%  
GLASS FIBER 30%  
MELTING POINT: 220 °C (428 °F)

EPDM PROPERTIES

TENSILE STRENGTH: 7 MPa (1.015 ksi)  
TEAR RESISTANCE: 18 N/mm (102.782 lb/in)  
AVG. HARDNESS: 70 +/- 5 (SHORE A)  
PERCENT ELONGATION: 270 %  
MIN. SVC. TEMPERATURE: -30 °C (-22 °F)  
MAX. SVC. TEMPERATURE: 120 °C (248 °F)



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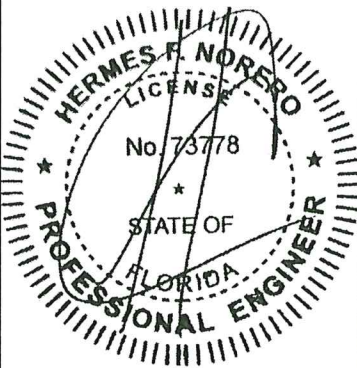
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SCALE: NTS

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SHEET:

3

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By *[Signature]*