



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Mesapol USA Railing & Glass Systems
3120 W84 Street Unit 9
Hialeah, Florida 33018

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: GS-19-U Postless Glass Railing System

APPROVAL DOCUMENT: Drawing No. MES004, titled "GS-19-U Glass Railing System", sheets 1 through 4 of 4, prepared by Building Drops, Inc., dated Oct. 08, 2024, signed and sealed by Hermes F. Norero, P.E., on March 04, 2025, 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
04/10/25

NOA No. 25-0128.09
Expiration Date: 04/10/2030
Approval Date: 04/10/2025

Mesapol USA Railing & Glass Systems

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. MES004, titled "GS-19-U Glass Railing System", sheets 1 through 4 of 4, prepared by Building Drops, Inc., dated Oct. 08, 2024, signed and sealed by Hermes F. Norero, P.E., on March 04, 2025.*

B. TESTS

1. *Test Report No. BT-MPA-24-001, by Blackwater Testing, Inc., dated January 23, 2025, signed and sealed by Michael D. Caldwell, P.E., testing Mesapol USA Railing & Glass System for concentrated and distributed loads per FBC 1618.4.6, Impacts per ANSI Z97.1, Static Wind Load per TAS 202-94 and Large Missile Impact per TAS 201-94.*

C. CALCULATIONS

1. *Calculation titled "Mesapol USA Railing & Glass Systems, GS-19-U Glass Railing System", 22 pages, prepared by Building Drops, Inc., dated November 14, 2024, signed and sealed by Hermes F. Norero, P.E., on December 16, 2024.*

D. QUALITY ASSURANCE

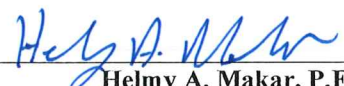
1. *By Miami-Dade County Department of Regulatory and Economic Resources, (RER)*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *FBC, 2023 Edition Compliance Letter prepared by Building Drops, Inc., dated 12/16/2024, signed and sealed by Hermes F. Norero, P.E., on 12/16/2024.*
2. *Distributor Agreement dated 01/10/2025.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 25-0128.09
Expiration Date: 04/10/2030
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MESAPOL USA RAILING & GLASS SYSTEMS

GS-19-U GLASS RAILING SYSTEM (HVHZ)(LARGE MISSILE IMPACT)

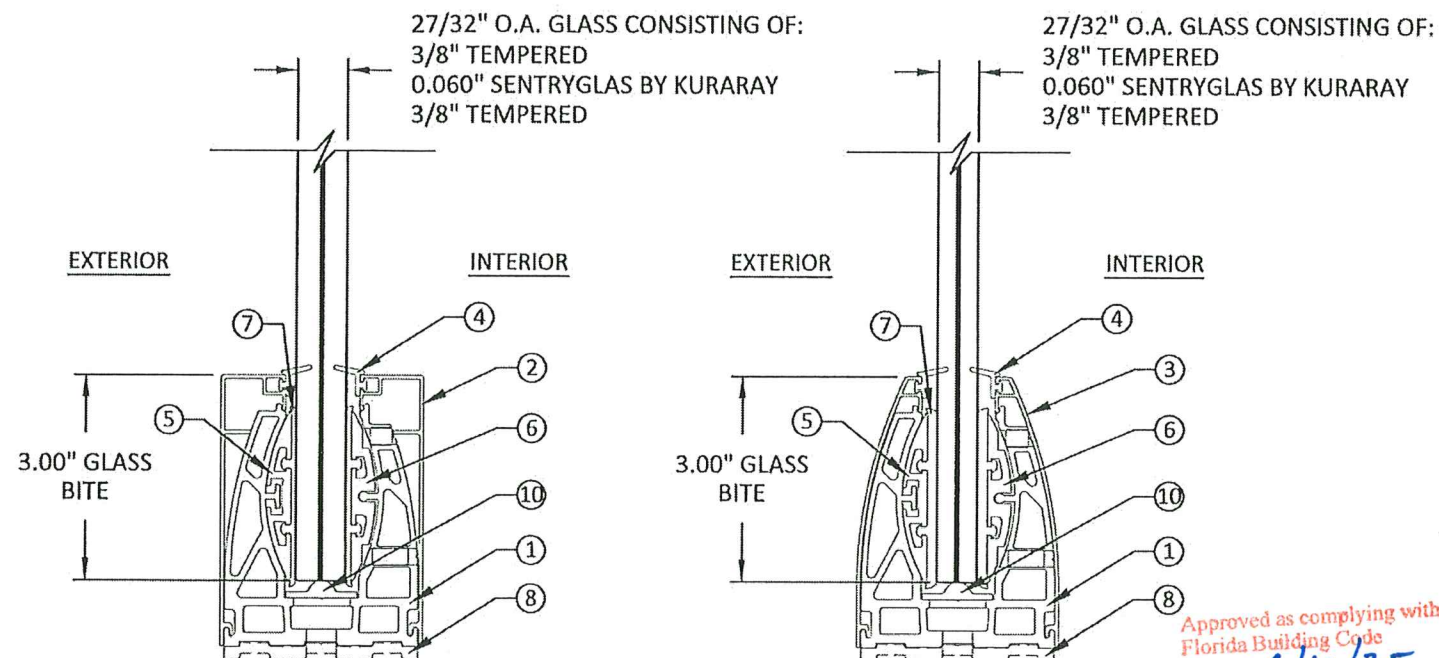
GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 8TH EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ANSI Z97.1
 - TAS 201-94
 - TAS 202-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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.
- 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.
- CHANNEL MATERIAL: ALUMINUM 6063-T6
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

INSTRUCTIONS FOR USE:

- DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, AND WIND ZONE USING THE APPLICABLE ASCE 7 STANDARD.
- SEE DESIGN PRESSURE TABLE ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE AND THE MAXIMUM RAILING HEIGHT BASED ON THE CONCENTRATED AND DISTRIBUTED LIVE LOADS.
- SEE ANCHOR SPECIFICATIONS ON SHEET 3.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAILS
2	ELEVATIONS
3	ANCHOR DETAILS AND DESIGN PRESSURE TABLE
4	BILL OF MATERIALS & COMPONENTS



GLAZING DETAILS

GLAZING NOTES:

- GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



MESAPOL USA RAILING & GLASS SYSTEMS
3120 W 84TH ST UNIT #9
HIALEAH, FL 33018
PH: (305) 481-8188

TITLE:
GS-19-U GLASS RAILING SYSTEM
(HVHZ)(LARGE MISSILE IMPACT)

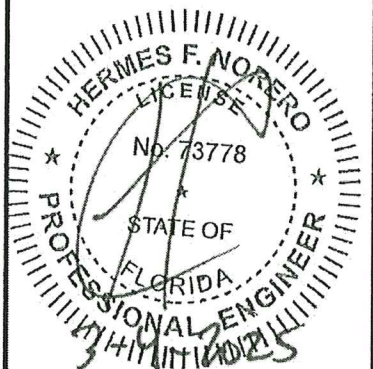
GENERAL NOTES AND
GLAZING DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 959-9478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

DATE: 10.08.24

DWG. BY:
DB

CHK. BY:
HFN

SCALE: NTS

DWG. #: MES004

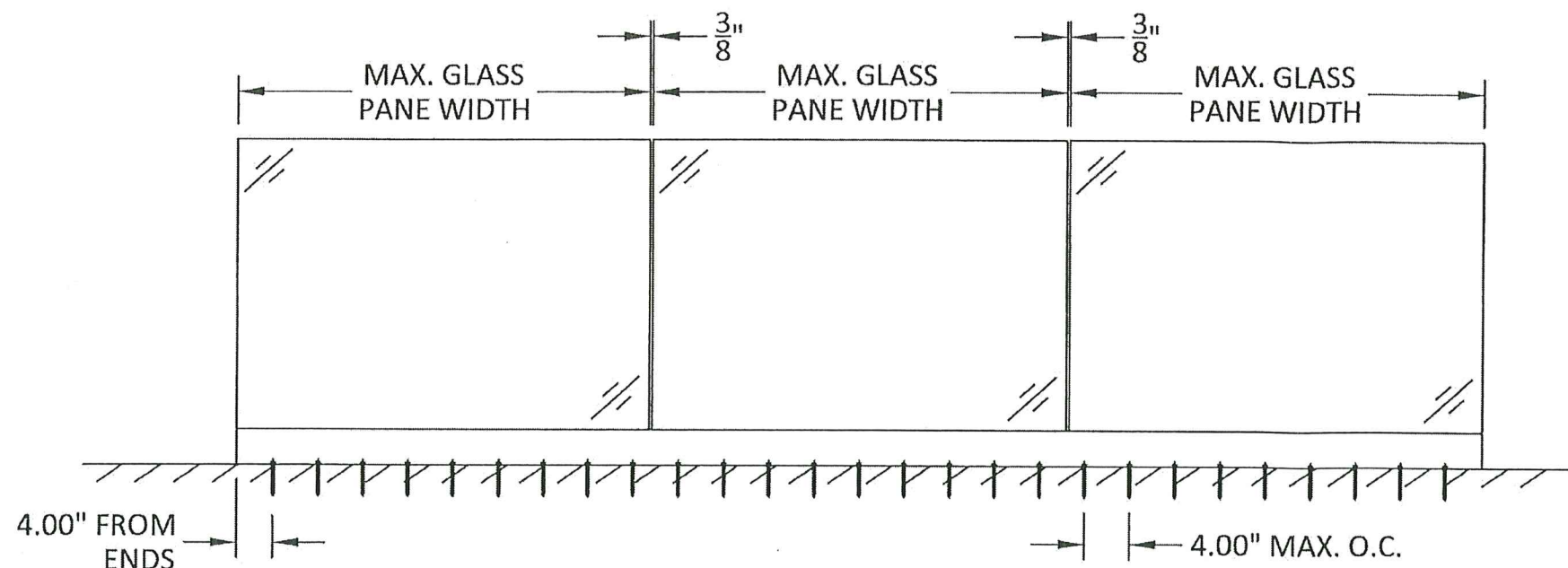
SHEET:

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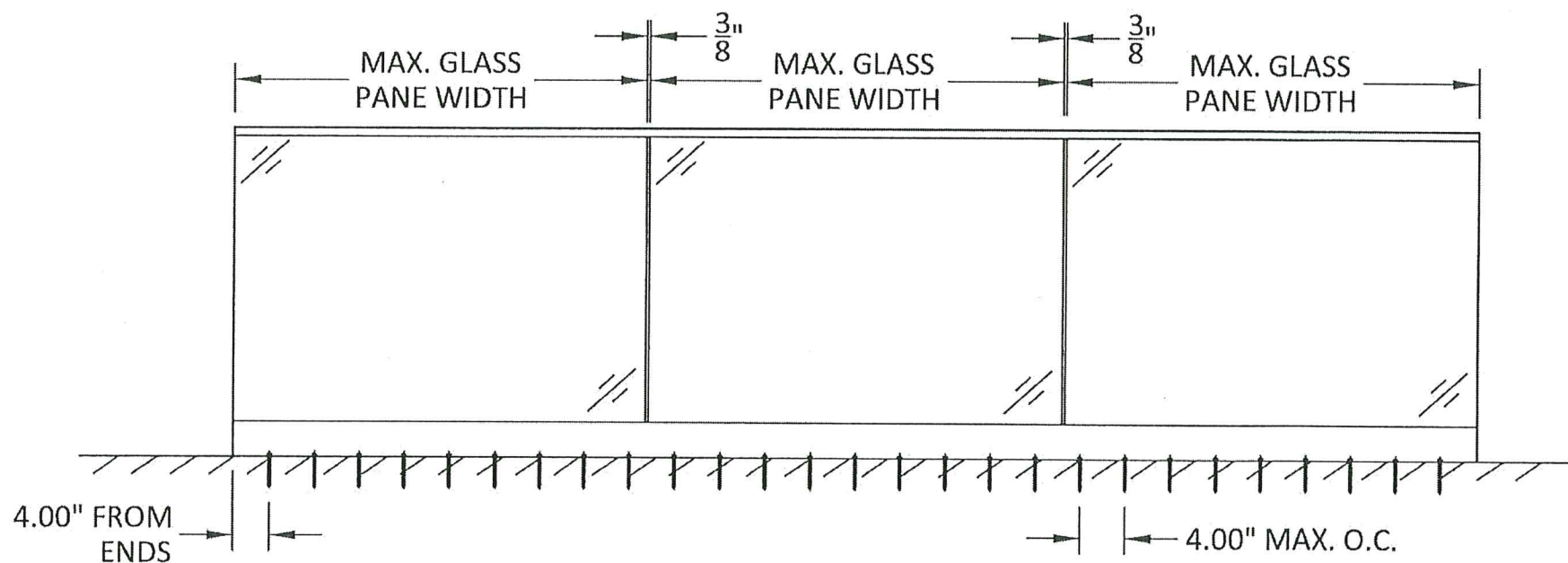
OF 4

Approved as complying with the
Florida Building Code
Date 04/10/25
NOA# 25-0128.09
Miami Date Product Control

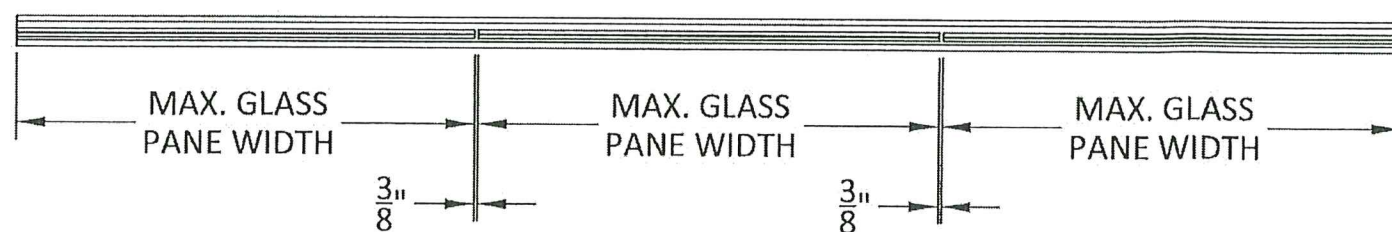
By H. A. M. W.



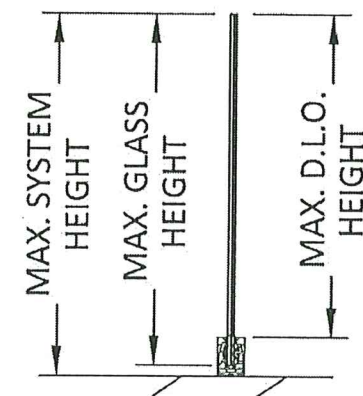
TYPICAL ELEVATION WITHOUT OPTIONAL CAP RAIL



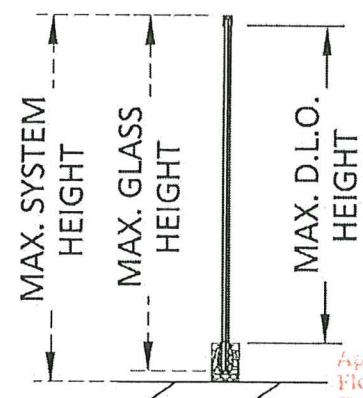
TYPICAL ELEVATION WITH OPTIONAL CAP RAIL



TYPICAL PLAN VIEW



TYPICAL VERTICAL SECTION



TYPICAL VERTICAL SECTION

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Miami Dade Product Control
By Helga A. M. M.

NOTE: SEE SHEET 3 FOR DESIGN PRESSURE
TABLE AND ANCHOR DETAILS.



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TITLE: GS-19-U GLASS RAILING SYSTEM
(HVHZ)(LARGE MISSILE IMPACT)

ELEVATIONS

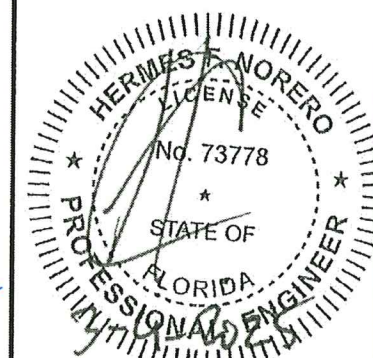
PREPARED BY: BUILDING DROPS, INC.

100 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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BD
BUILDING DROPS

REMARKS	BY	DATE

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DWG. BY: DB	CHK. BY: HFN
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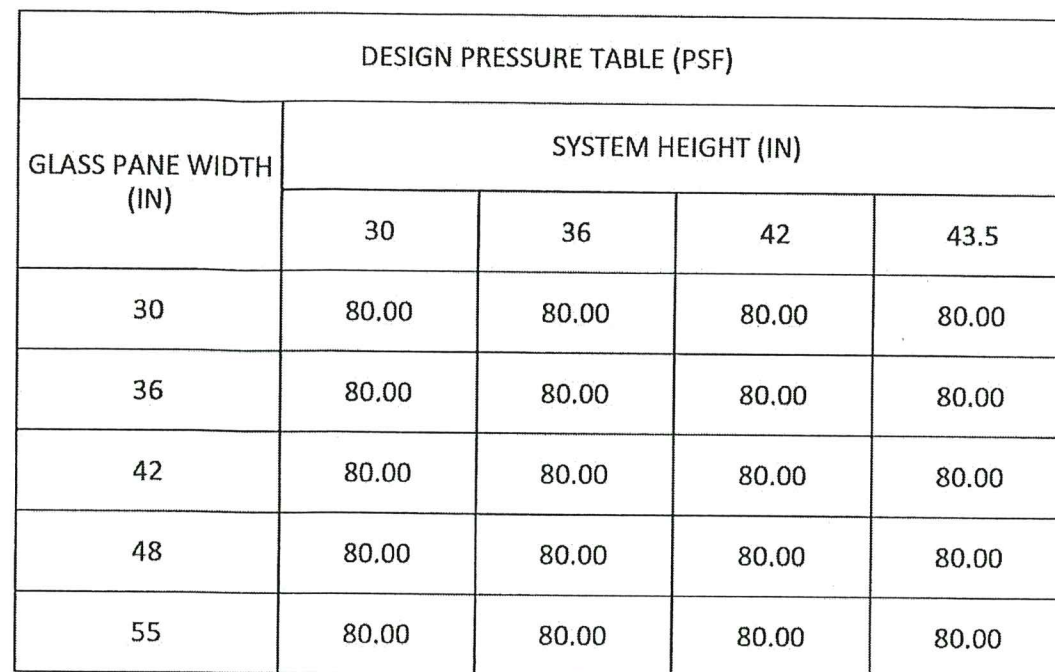
SCALE: NTS

DWG. #: MES004

SHEET:

2

OF 4



ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR SCHEDULE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MAX. O.C.
CONCRETE: $f'_c=3000\text{PSI}$	3/8" DEWALT SCREW-BOLT (HEX HEAD)	4-1/2"	4-1/2"	4"
CONCRETE: $f'_c=3000\text{PSI}$	3/8" HILTI KWIK HUS-EZ	4-1/2"	4"	4"
STEEL: $F_y = 33\text{KSI MIN.}$ (1/2" MIN. THK.)	5/16" SELF-DRILLING OR SELF-TAPPING SCREW	THREE THREADS MIN. PENETRATION PAST STRUCTURE	3/4"	4"
STEEL: $F_y = 33\text{KSI MIN.}$ (1/2" MIN. THK.)	3/8" SELF-DRILLING OR SELF-TAPPING SCREW	THREE THREADS MIN. PENETRATION PAST STRUCTURE	3/4"	4"

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Miami Dade Product Control
By Heidi A. Mohr

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TITLE: GS-19-U GLASS RAILING SYSTEM (HVHZ)(LARGE MISSILE IMPACT)

ANCHOR DETAILS AND
DESIGN PRESSURE TABLE

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI FL 33132

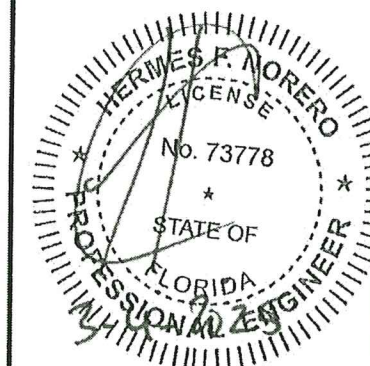
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BUILDING DROPS

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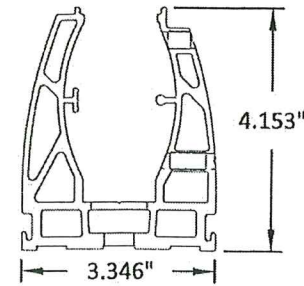
DWG. #: MES004

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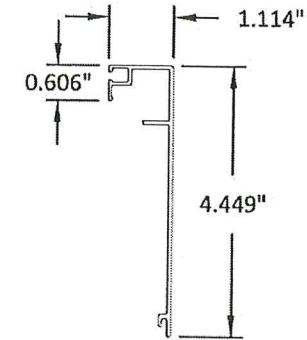
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BILL OF MATERIALS

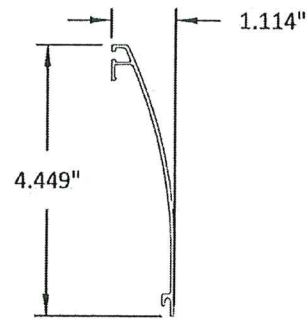
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1	MC-409-U	CHANNEL	6063-T6
2	MC-112-A	SQUARE CLADDING	6063-T6
3	MC-112	CURVE CLADDING	6063-T6
4	MC-106-B	GLASS GASKET	EPDM
5	MC-409-A-1	PLATE	6063-T6
6	MC-409-A-2	PLATE	6063-T6
7	-	WEDGE	EPDM
8	MC-402-A	OPTIONAL DRAIN PLATE	6063-T6
9	MC-607-C/D	END CAP	6063-T6
10	-	WEDGE	PA6 NYLON
11	MC-103-C	OPTIONAL CAP RAIL	6063-T6
12	MC-103-C	OPTIONAL CAP RAIL GASKET	EPDM



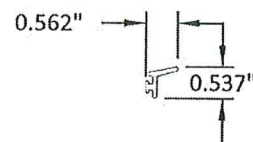
1 CHANNEL



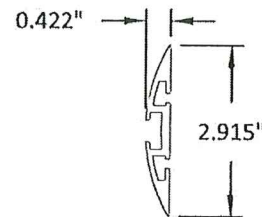
2 SQUARE CLADDING



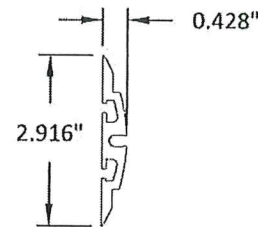
3 CURVE CLADDING



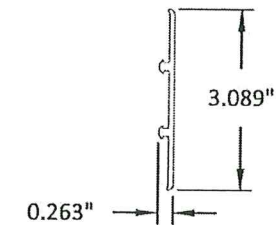
4 GLASS GASKET



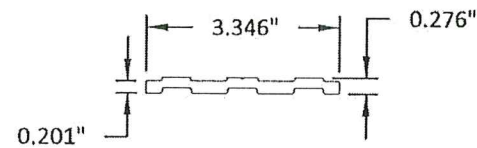
5 PLATE



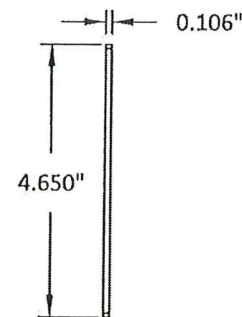
6 PLATE



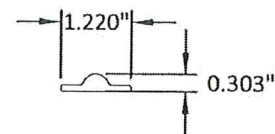
7 WEDGE



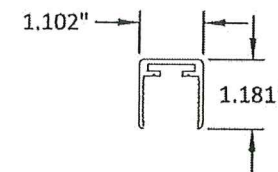
8 OPTIONAL DRAIN PLATE



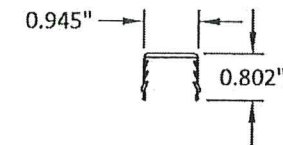
9 END CAP



10 WEDGE



11 OPTIONAL CAP RAIL



12 OPTIONAL CAP RAIL GASKET



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BILL OF MATERIALS & COMPONENTS

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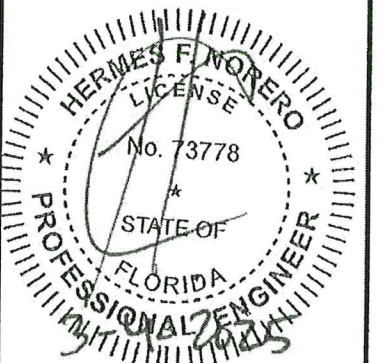
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Miami Dade Product Control
By Kelly A. Miller