

# PanoramAH! AMERICA, LLC

## ah!38 INSWING DOOR

### (HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.

INSTALLATION NOTES:

1. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED ON SHEET 3.
2. 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.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
5. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
7. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. 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.

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| DESIGN PRESSURE RATING (PSF) |                      |              |                 |                              |
|------------------------------|----------------------|--------------|-----------------|------------------------------|
| CONFIGURATION                | WIDTH (IN.)          | HEIGHT (IN.) | DESIGN PRESSURE | MISSILE IMPACT RATING        |
| X                            | SEE TABLE ON SHEET 2 |              |                 | LARGE & SMALL MISSILE IMPACT |



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TITLE: ah!38 INSWING DOOR (HVHZ)(IMPACT)  
GENERAL NOTES & INSTALLATION NOTES

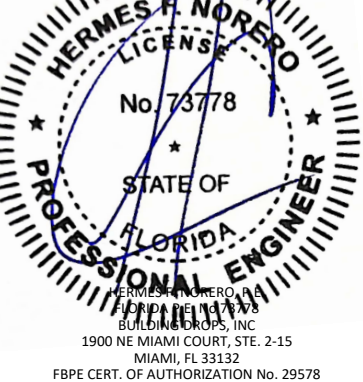
PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



| REMARKS | BY | DATE |
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Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2024.04.16 16:03:44 -0400



FL #: FL46513

DATE: 04.16.2024

DWG. BY: SH  
CHK. BY: HFN

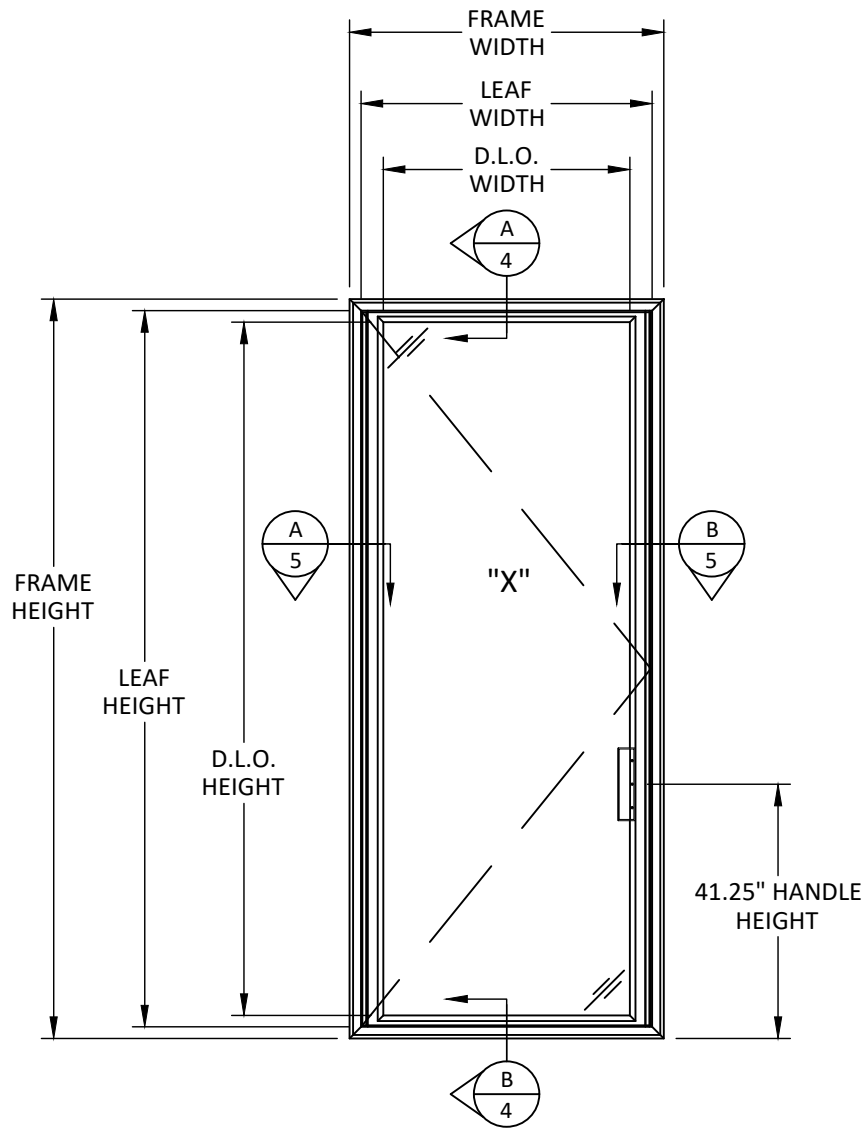
SCALE: NTS

DWG. #: PAN016

SECTION:

1

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ELEVATION  
TYP.

D.L.O. HEIGHT = FRAME HEIGHT - 7.50"  
D.L.O. WIDTH = FRAME WIDTH - 11.00"  
LEAF HEIGHT = FRAME HEIGHT - 4.25"  
LEAF WIDTH = FRAME WIDTH - 4.14"

| INSWING DOOR ALLOWABLE DESIGN PRESSURE TABLE (PSF) |                   |      |      |      |      |      |      |      |      |      |      |      |
|----------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| FRAME HEIGHT (IN.)                                 | FRAME WIDTH (IN.) |      |      |      |      |      |      |      |      |      |      |      |
|                                                    |                   | 30   | 36   | 42   | 48   | 51   | 54   | 60   | 66   | 72   | 78   | 84   |
|                                                    | 66                | 75.0 | 75.0 | 75.0 | 65.6 | 65.0 | 61.4 | 55.3 | 50.2 | 50.2 | 50.2 | 50.2 |
|                                                    | 72                | 75.0 | 75.0 | 75.0 | 65.6 | 65.0 | 61.4 | 55.3 | 50.2 | 46.0 | 46.0 | 46.0 |
|                                                    | 78                | 75.0 | 75.0 | 75.0 | 65.6 | 65.0 | 61.4 | 55.3 | 50.2 | 46.0 | 42.5 | -    |
|                                                    | 84                | 75.0 | 75.0 | 75.0 | 65.6 | 65.0 | 61.4 | 55.3 | 50.2 | 46.0 | -    | -    |
|                                                    | 90                | 75.0 | 75.0 | 75.0 | 65.6 | 65.0 | 61.4 | 55.3 | 50.2 | -    | -    | -    |
|                                                    | 96                | 75.0 | 75.0 | 75.0 | 65.0 | 65.0 | 61.4 | 55.3 | -    | -    | -    | -    |
|                                                    | 102               | 75.0 | 75.0 | 75.0 | 65.0 | 65.0 | 61.4 | 55.3 | -    | -    | -    | -    |
|                                                    | 108               | 75.0 | 75.0 | 75.0 | 65.0 | 65.0 | 61.4 | -    | -    | -    | -    | -    |
|                                                    | 114               | 75.0 | 75.0 | 65.0 | 65.0 | 65.0 | -    | -    | -    | -    | -    | -    |
|                                                    | 120               | 75.0 | 75.0 | 65.0 | 65.0 | 65.0 | -    | -    | -    | -    | -    | -    |
|                                                    | 126               | 75.0 | 75.0 | 65.0 | 65.0 | -    | -    | -    | -    | -    | -    | -    |
|                                                    | 132               | 75.0 | 65.0 | 65.0 | -    | -    | -    | -    | -    | -    | -    | -    |
|                                                    | 138               | 75.0 | 65.0 | 65.0 | -    | -    | -    | -    | -    | -    | -    | -    |
|                                                    | 144               | 75.0 | 65.0 | 65.0 | -    | -    | -    | -    | -    | -    | -    | -    |
|                                                    | 150               | 75.0 | 65.0 | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                                                    | 156               | 65.0 | 65.0 | -    | -    | -    | -    | -    | -    | -    | -    | -    |

TITLE: ah!38 INSWING DOOR  
(HVHZ)/(IMPACT)

ELEVATION & DESIGN  
PRESSURE TABLE

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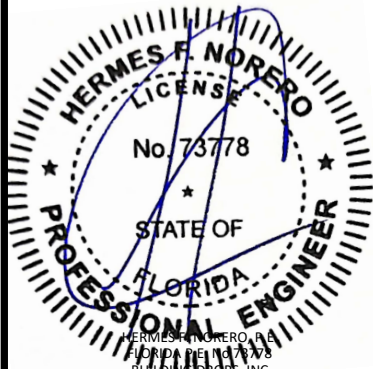


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HERMES F. NORERO, P.E.  
BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL46513

DATE: 04.16.2024

DWG. BY:  
SH

CHK. BY:  
HFN

SCALE: NTS

DWG. #: PAN016

SECTION:

2



**PANORAMAH!**<sup>®</sup>  
unlimited perspective

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PH: (631)683-8580

## ANCHOR LAYOUT

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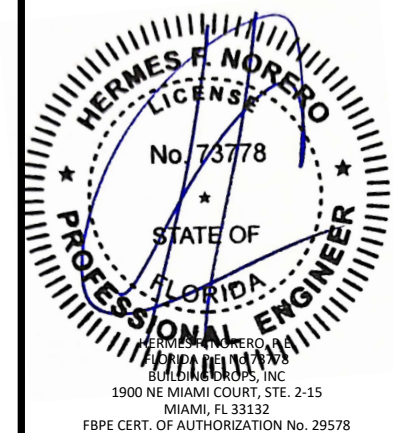
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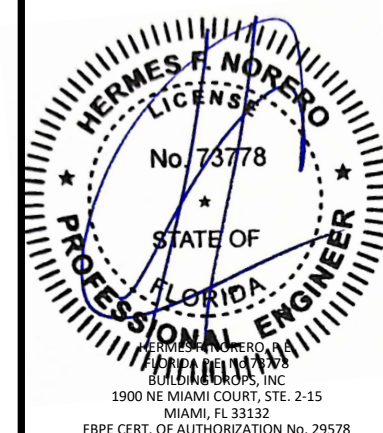
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- GLAZING NOTES:
1. GLASS TYPE COMPLIES WITH ASTM E1300 AND THE FBC SAFETY GLAZING REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
  2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A)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

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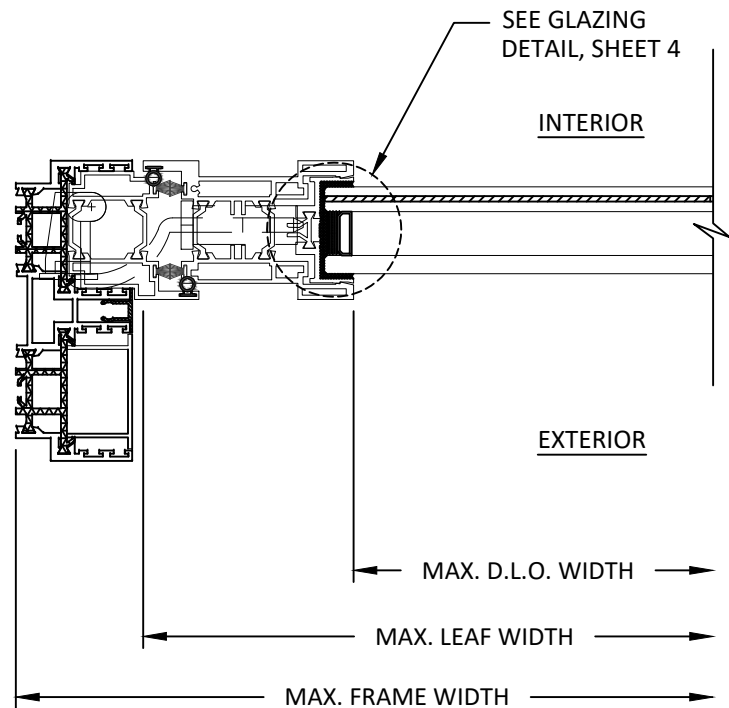
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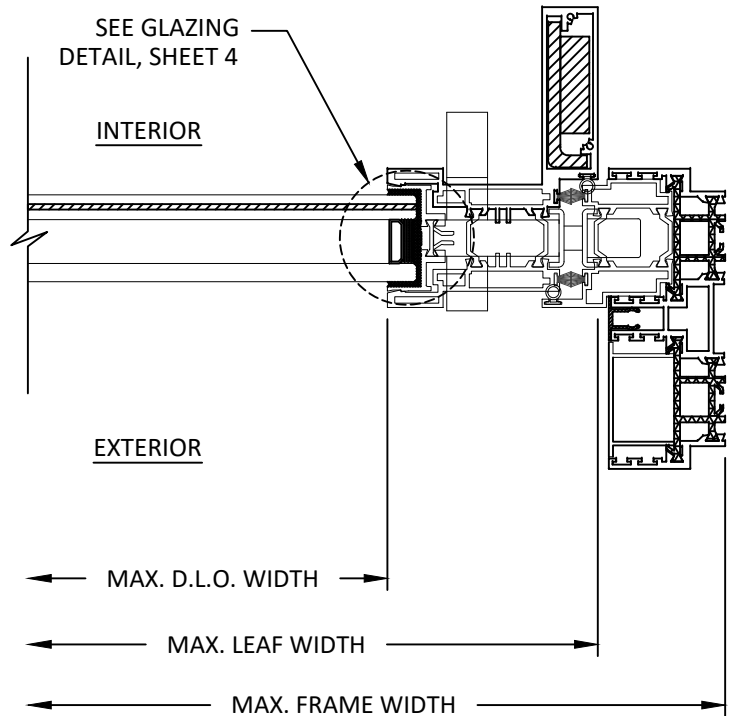
SECTION:

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**A**  
5  
HORIZONTAL SECTION  
HINGE JAMB



**B**  
5  
HORIZONTAL SECTION  
LOCK JAMB

TITLE: ah!38 INSWING DOOR  
(HVHZ)/(IMPACT)

HORIZONTAL SECTIONS

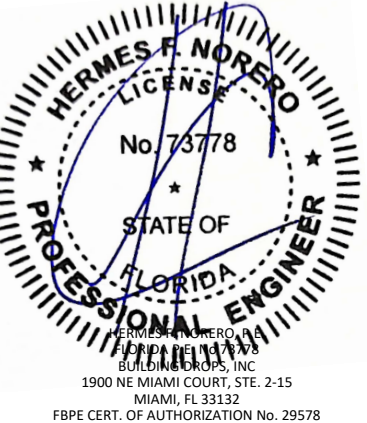
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| CHK. BY: | HFN        |
| SCALE:   | NTS        |
| DWG. #:  | PAN016     |
| SECTION: | 5          |

## ANCHOR DETAILS & ANCHOR SCHEDULE

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DATE: 04.16.2024

SCALE: **NTS**

DWG. #: PAN016

SECTION: \_\_\_\_\_

6

OF 6



| ANCHOR SCHEDULE |                                                                              |                             |                                                  |                    |             |
|-----------------|------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------|--------------------|-------------|
| METHOD          | SUBSTRATE                                                                    | ANCHOR SCHEDULE             | MIN. EMBEDMENT                                   | MIN. EDGE DISTANCE | SPACING     |
| THROUGH FRAME   | WOOD: MIN. SG = 0.55                                                         | #14 WOOD SCREW              | 1.50"                                            | 0.75"              | SEE SHEET 3 |
|                 | METAL: 18 GAUGE STEEL,<br>MIN. Fy = 33KSI<br>ALUMINUM: 1/8" MIN.,<br>6063-T5 | 1/4" SELF-DRILLING<br>SCREW | 3 THREADS MIN<br>PENETRATION BEYOND<br>STRUCTURE | 0.50"              |             |
|                 | CONCRETE: f'c=3000PSI                                                        | 1/4" ITW TAPCON             | 1.50"                                            | 2.50"              |             |
|                 | MASONRY: CMU per ASTM<br>C90 MIN. 2000 PSI                                   | 1/4" ITW TAPCON             | 1.00"                                            | 2.50"              |             |