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# PALM CITY IRONWORKS, INC.

## MILANO SERIES W40 FIXED WINDOW

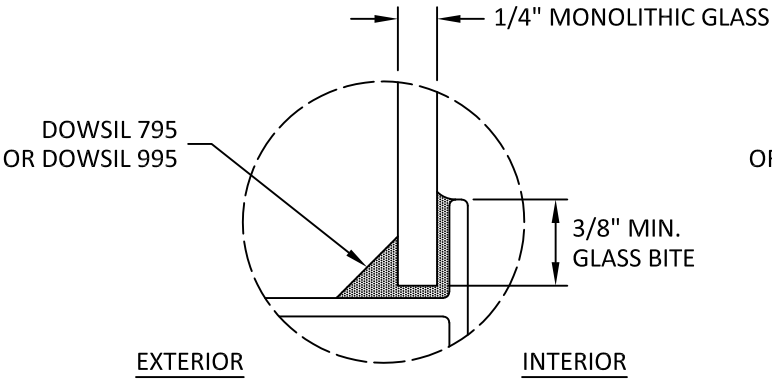
### (NON-HVHZ) (NON-IMPACT)

GENERAL NOTES:

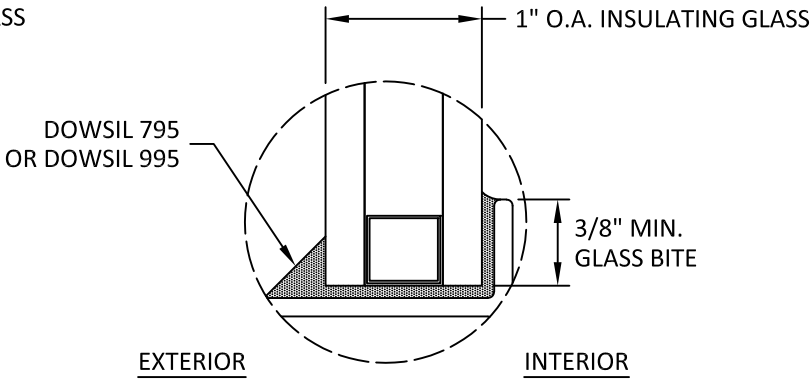
- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) **EXCLUDING** HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - ASTM E283-19
  - ASTM E331-00(16)
  - TAS 202-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X 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.
- 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.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: Q235B STEEL.
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

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| 7                 | INSTALLATION NOTES AND DETAILS    |

| DESIGN PRESSURE RATING |                 |                |
|------------------------|-----------------|----------------|
| FRAME SIZE             | DESIGN PRESSURE | MISSILE RATING |
| 60" x 120"             | +/- 80 PSF      | NON-IMPACT     |



GLAZING DETAIL 1



GLAZING DETAIL 2

- GLAZING NOTES:
- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING 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 IN SHEETS 1 THRU 4.



3160 KUTAK ROAD  
FORT MYERS, FL 33916  
PH: (239) 691-8400

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(NON-HVHZ) (NON-IMPACT)  
GENERAL NOTES & GLAZING DETAILS

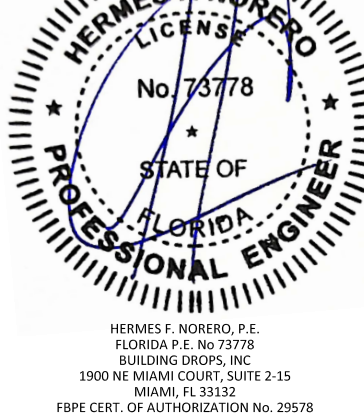
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BUILDING DROPS, INC.  
1900 NE MIAMI COURT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com

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Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2024.08.29 14:51:12 -0400



FL #:  
**FL27073**

DATE:  
**08.27.2024**

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**MS**

CHK. BY:  
**HFN**

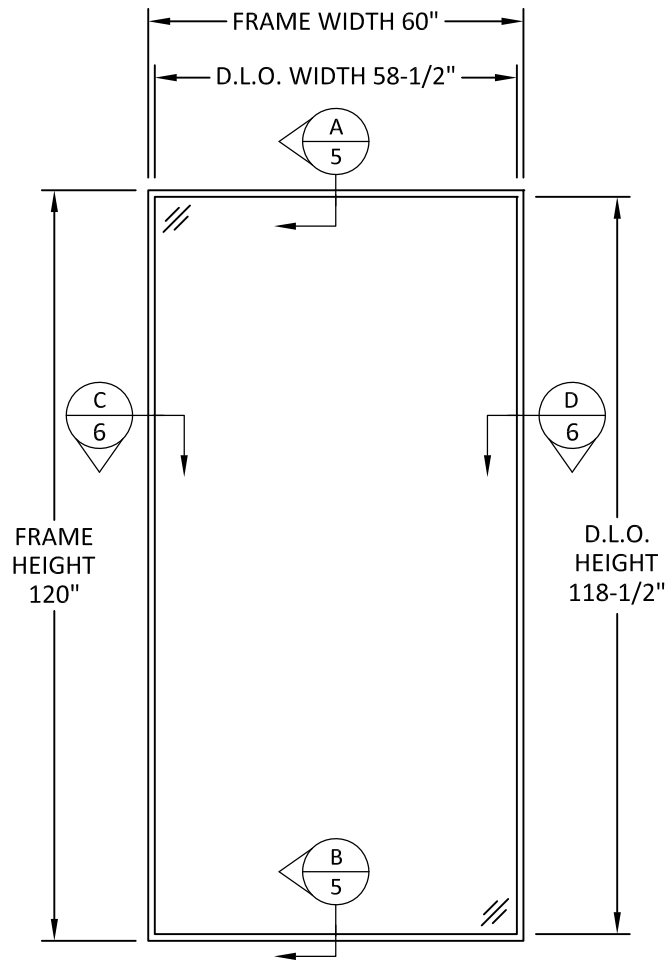
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**PCI020**

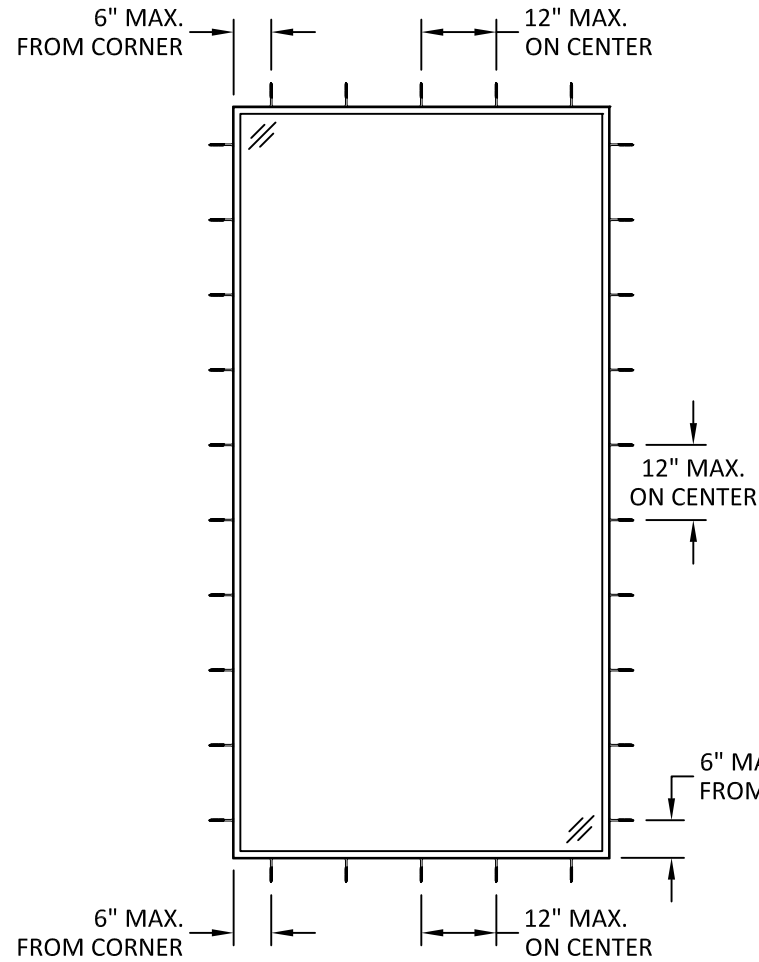
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OF 7

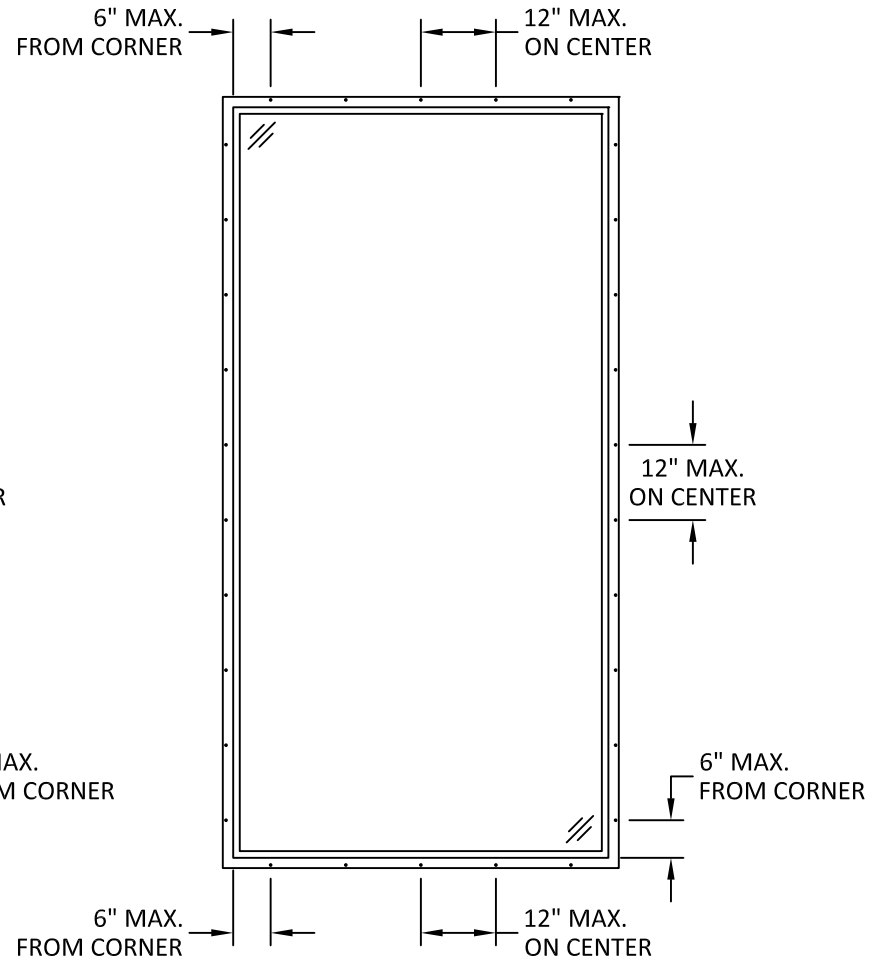
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TYPICAL ELEVATION  
RECTANGLE

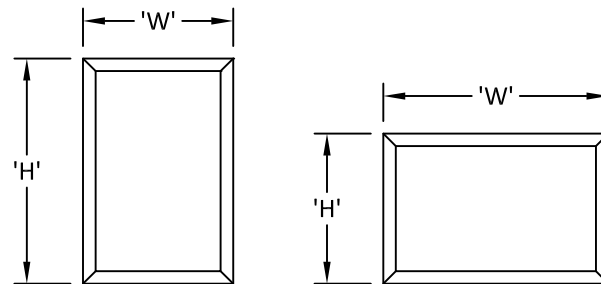


ANCHOR LAYOUT  
STRAP



ANCHOR LAYOUT  
THROUGH FIN

NOTE:  
1. THE WIDTH AND HEIGHT ARE INTERCHANGEABLE.  
2. ELEVATIONS OF SMALLER SIZES ARE QUALIFIED FOR THE SAME PERFORMANCE RATINGS.



3160 KUTAK ROAD  
FORT MYERS, FL 33916  
PH: (239) 691-8400

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ELEVATION & ANCHOR LAYOUTS

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HERMES F. NORERO  
LICENSE  
No. 73778  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.  
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL27073

DATE: 08.27.2024

DWG. BY: MS  
CHK. BY: HFN

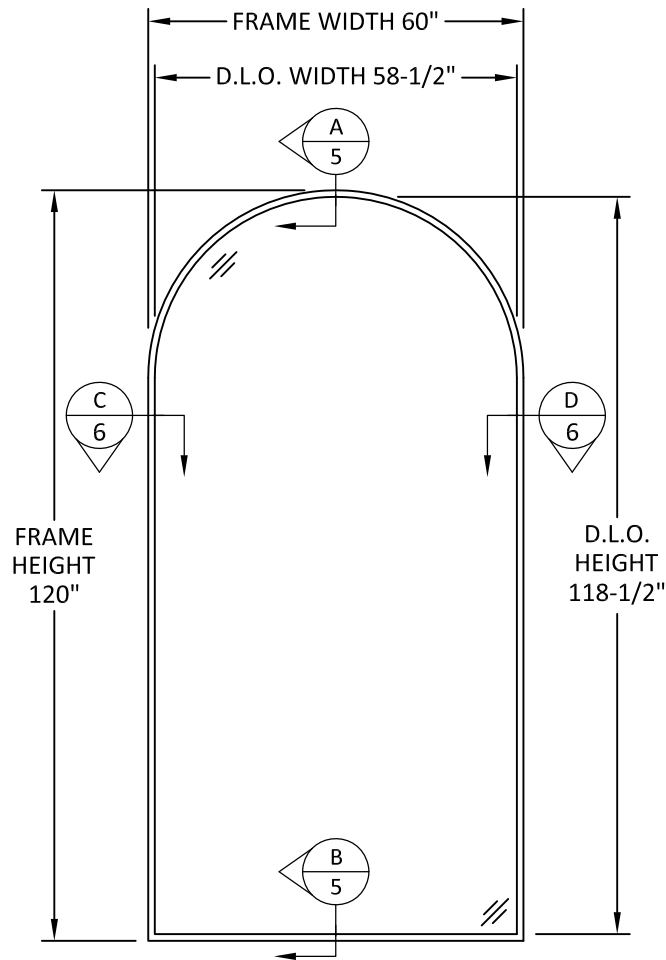
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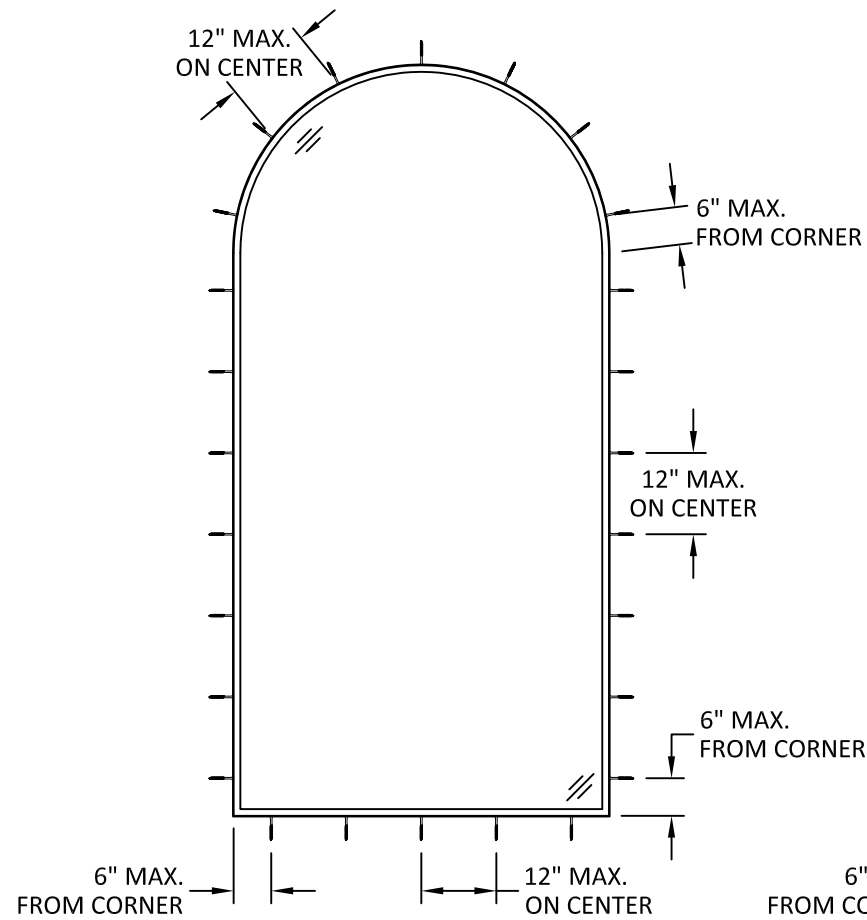
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OF 7

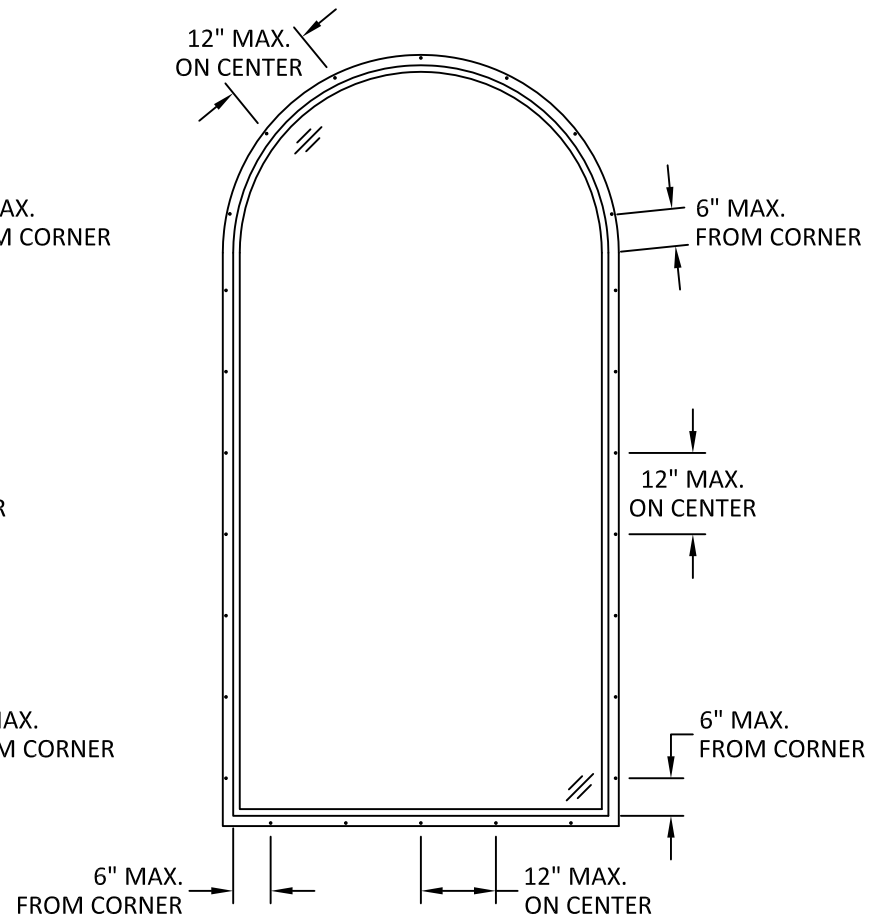
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TYPICAL ELEVATION  
ROUND TOP



ANCHOR LAYOUT  
STRAP



ANCHOR LAYOUT  
THROUGH FIN

NOTE:  
1. ELEVATIONS OF SMALLER SIZES ARE QUALIFIED FOR THE SAME PERFORMANCE RATINGS.



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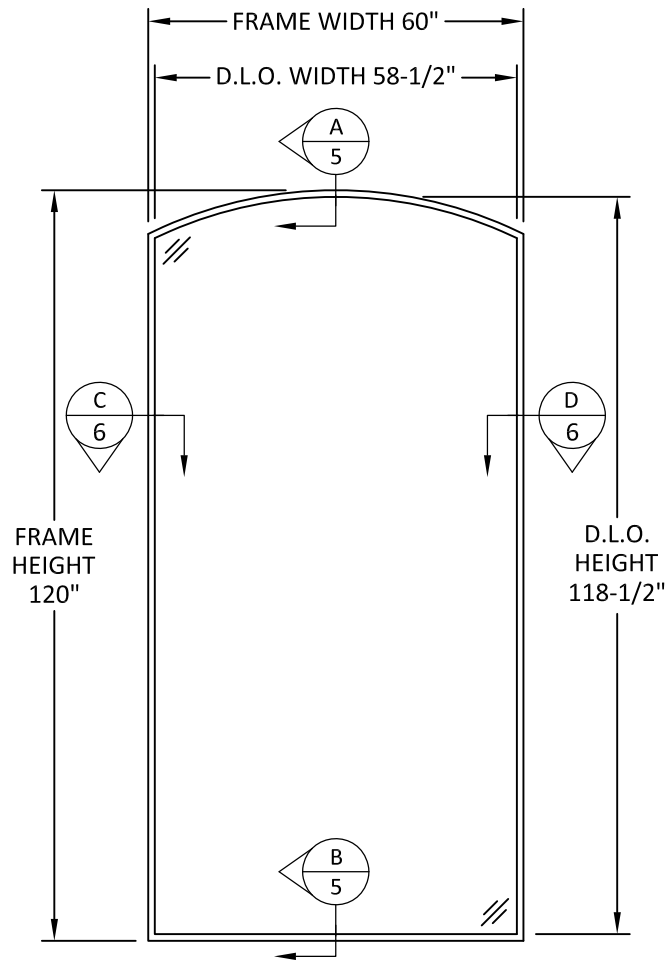
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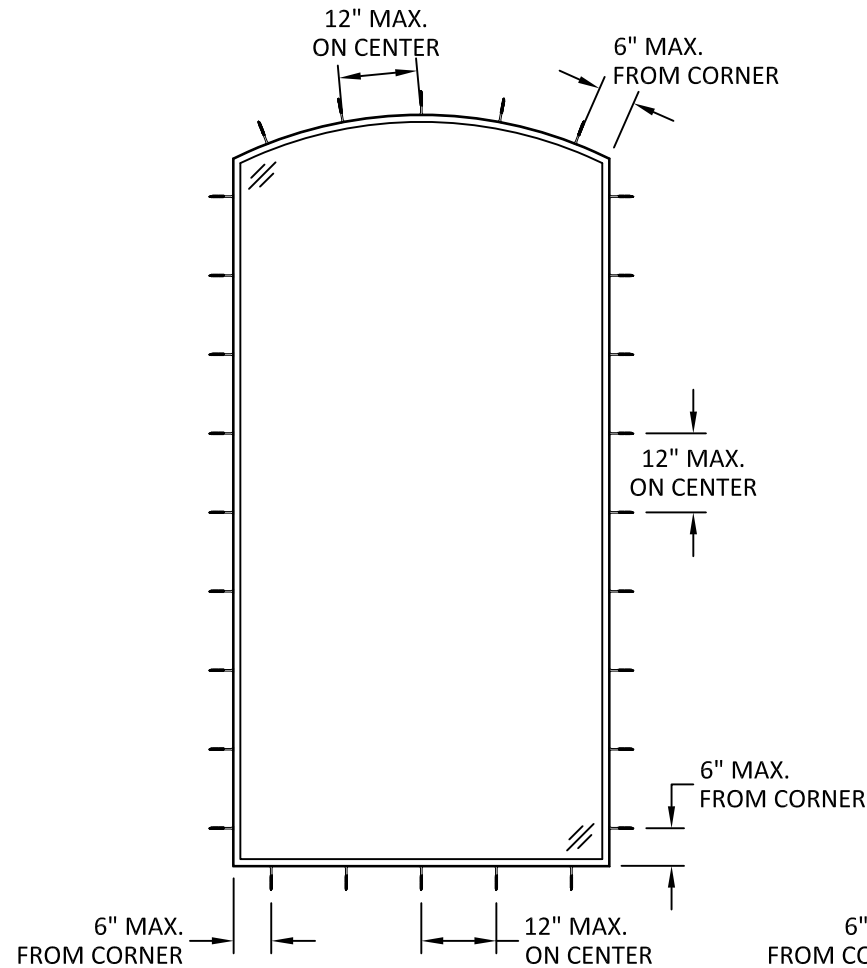
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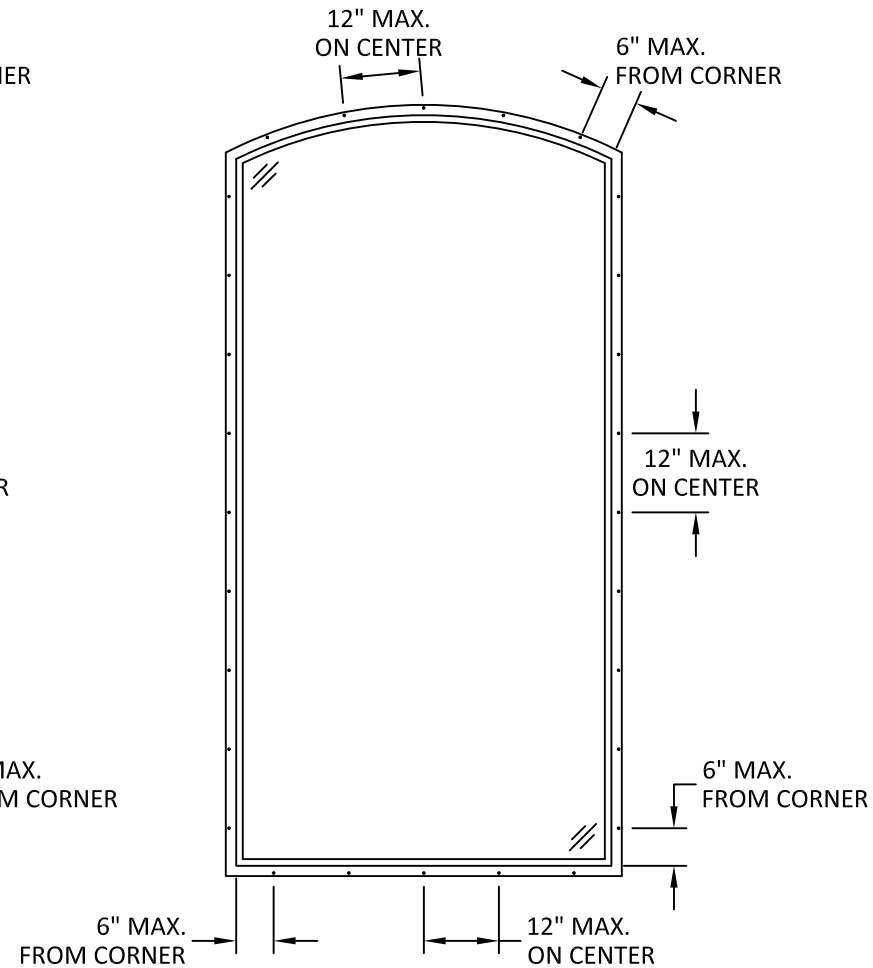
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TYPICAL ELEVATION  
ARCH TOP



ANCHOR LAYOUT  
STRAP



ANCHOR LAYOUT  
THROUGH FIN

NOTE:  
1. ELEVATIONS OF SMALLER SIZES ARE QUALIFIED FOR THE SAME PERFORMANCE RATINGS.



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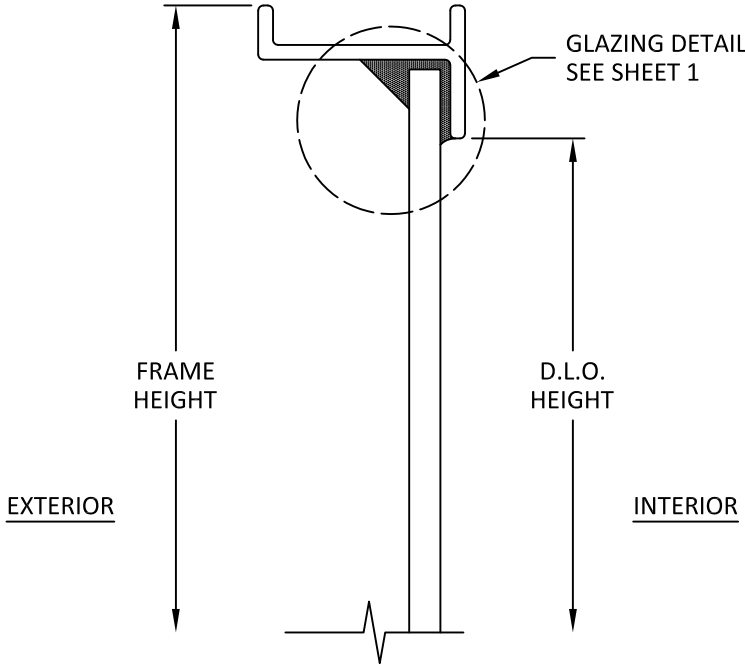
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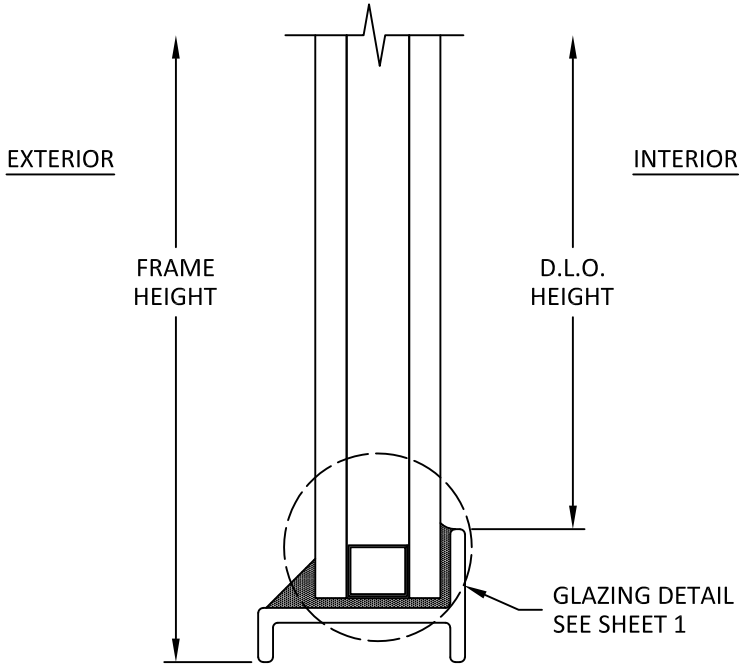
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**A**  
**5** **VERTICAL SECTION**  
HEAD  
MONOLITHIC GLASS



**B**  
**5** **VERTICAL SECTION**  
SILL  
INSULATING GLASS



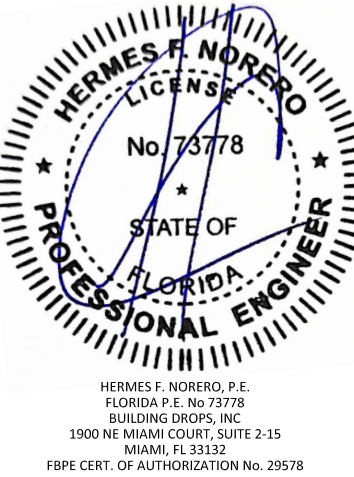
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VERTICAL SECTIONS

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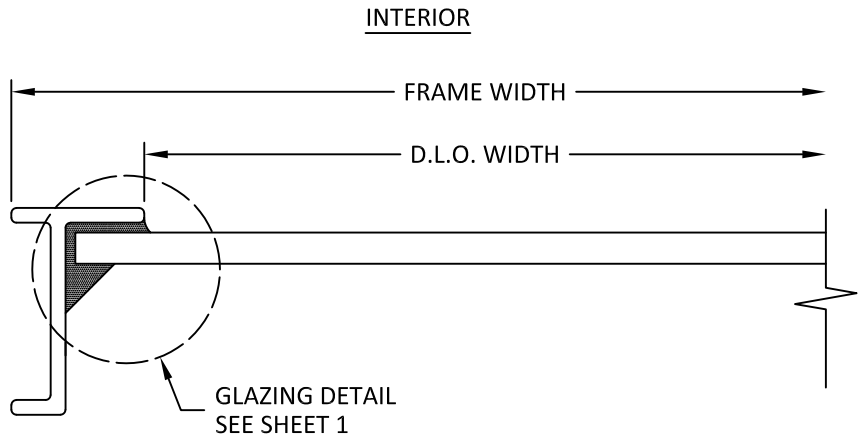
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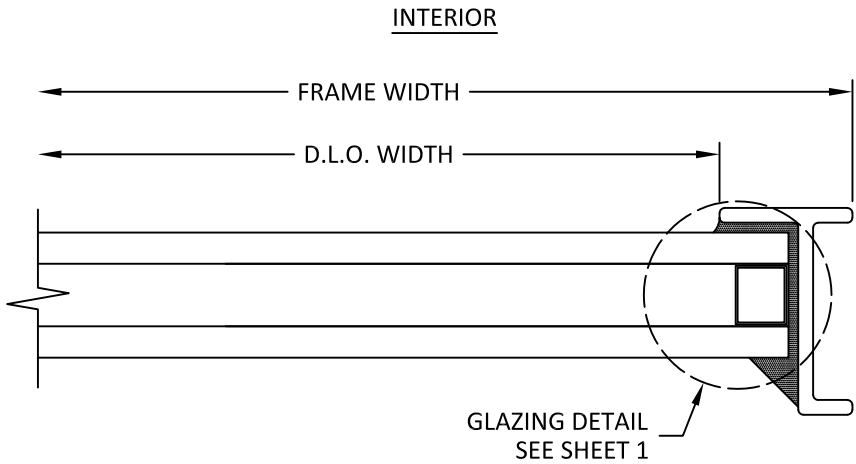
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**C**  
**6** **HORIZONTAL SECTION**  
JAMB  
MONOLITHIC GLASS



**D**  
**6** **HORIZONTAL SECTION**  
JAMB  
INSULATING GLASS



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HORIZONTAL SECTIONS

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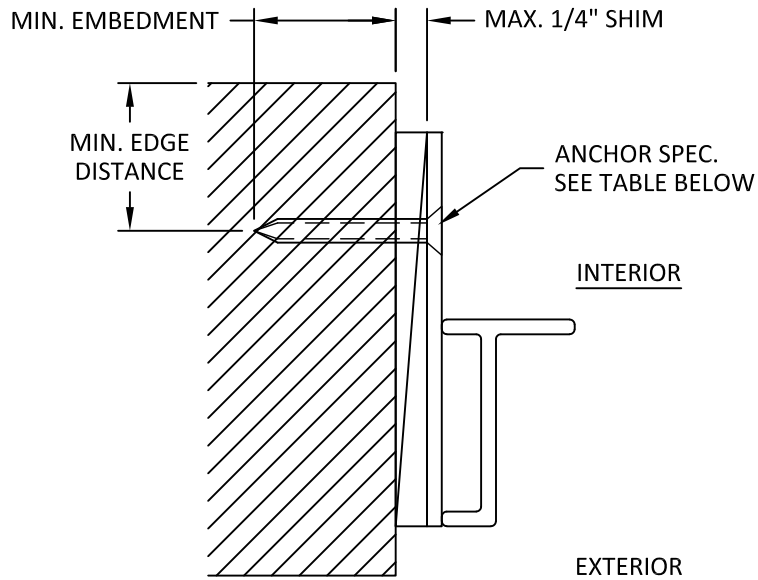
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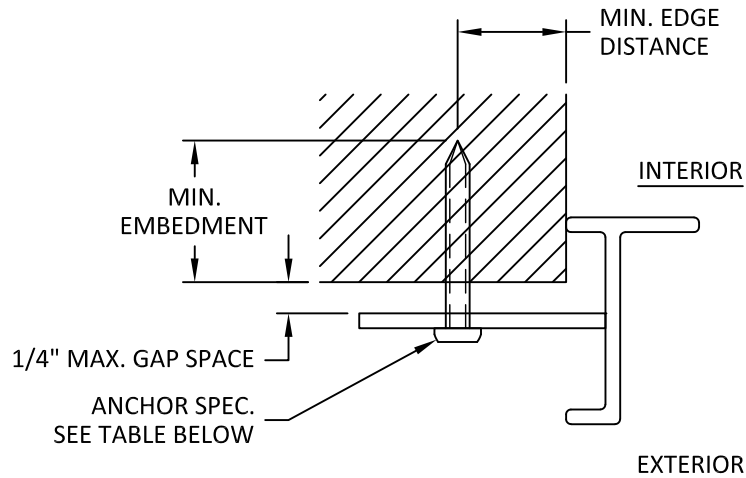
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OF 7

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**E**  
**7** INSTALLATION DETAILS  
STRAP



**F**  
**7** INSTALLATION DETAILS  
THROUGH FIN

JAMB INSTALLATION SHOWN, HEAD & SILL ARE SIMILAR

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/4$  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.
- FOR STRAP INSTALLATION, SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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 |                                               |                                                         |                                              |                    |
|-----------------|-----------------------------------------------|---------------------------------------------------------|----------------------------------------------|--------------------|
| ANCHOR          | SUBSTRATE                                     | ANCHOR TYPE                                             | MIN. EMBEDMENT                               | MIN. EDGE DISTANCE |
| STRAP           | WOOD:<br>MIN. S.G. = 0.55                     | #14 FH WOOD SCREW                                       | 1-1/2"                                       | 1"                 |
|                 | STEEL:<br>MIN. 18 GA.<br>MIN. Fy = 33 ksi     | 1/4" GRADE 5 FH<br>SELF-DRILLING/<br>SELF-TAPPING SCREW | 3 THREADS MIN<br>PENETRATION BEYOND<br>METAL | 1/2"               |
|                 | ALUMINUM:<br>MIN. 1/8" THICK<br>MIN. 6063-T5  |                                                         |                                              |                    |
|                 | CONCRETE:<br>MIN. f'c = 3000 psi              | 1/4" FH ITW TAPCON                                      | 1-1/2"                                       | 1-1/2"             |
|                 | MASONRY:<br>CMU per ASTM C90<br>MIN. 2000 PSI |                                                         | 1"                                           | 2-7/8"             |
| THROUGH FIN     | WOOD:<br>MIN. S.G. = 0.55                     | #14 WOOD SCREW                                          | 1"                                           | 1/2"               |
|                 | STEEL:<br>MIN. 18 GA.<br>MIN. Fy = 36 ksi     | 1/4" GRADE 5<br>SELF-DRILLING/<br>SELF-TAPPING SCREW    | 3 THREADS MIN<br>PENETRATION BEYOND<br>METAL | 1/2"               |
|                 | ALUMINUM:<br>MIN. 1/8" THICK<br>MIN. 6063-T5  |                                                         |                                              |                    |



3160 KUTAK ROAD  
FORT MYERS, FL 33916  
PH: (239) 691-8400

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MILANO SERIES W40 FIXED WINDOW  
(NON-HVHZ) (NON-IMPACT)

INSTALLATION DETAILS & NOTES

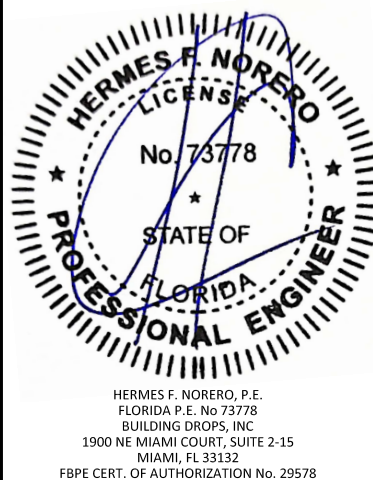
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