

PIVOT DOOR FL41358.1 Door is not approved for use in openings required to meet water infiltration requirements. It can be used in locations that conform with the overhang ratio requirements of the F.B.C. (2020) R4410.1 and Building Section 2411.3.2.1 Exemption 2.

Please provide a building section showing the horizontal dimension from the door surface to the edge of the overhang and the vertical dimension from the bottom of the door to the overhang.

The horizontal dimension must be equal or greater than the vertical.

ES-PSD5030T PIVOT DOOR - L.M.I.

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020)/ 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS RATED FOR LARGE MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. FOR ABOVE 30 FT OF GRADE, SMI TO BE USED. IMPACT SHUTTERS ARE NOT REQUIRED.
- **DOORS. NOT APPROVED FOR WATER INFILTRATION.**
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020)/ 8TH EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16/ ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

USE CHARTS AS FOLLOWS.

STEP 1:

DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-16/ ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.

STEP 2:

SEE SHEET E I FOR TYPICAL DOOR ELEVATION. SEE SHEET G I FOR GLASS OPTION.

STEP 3:

SEE SHEET A I FOR ANCHOR OPTIONS. SEE SHEET E I FOR NUMBER OF ANCHORS REQUIRED.

STEP 4:

THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

D.L.O. - DAYLITE OPENING

F.H. - FRAME HEIGHT

F.W. - FRAME WIDTH

W/ - WITH

W/O - WITHOUT

O.C. - ON CENTER

SECTION NUMBER

7

SHEET NUMBER

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
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E.S. WINDOWS, INC.
10653 NE QUAYBRIDGE CT.
MIAMI, FL 33138
TEL: (305) 624-7775

DATE: 12/06/2023

DESIGNED BY: JAMES

DATE: 12/06/2023

DRAWN BY: JAMES

DATE: 12/06/2023

CHECKED BY: JAMES

DATE: 12/06/2023

FLORIDA APPROVAL:
FL # 41358.1

PROFESSIONAL ENGINEER
STATE OF FLORIDA
JAMES W. WANG
P.E. #55983
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December 27th, 2023

COVER
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