NOTICE OF ACCEPTANCE (NOA)

Mr. Glass Doors & Windows, Inc.
7440 N. W. 66 Street
Miami, FL 33166

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 PERA-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. PERA 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 Florida Building Code, including the High Velocity Hurricane Zone.  

DESCRIPTION: Series “MG—500” Aluminum Outswing French Door w/ wo Transom-L.M.I.

APPROVAL DOCUMENT: Drawing No. W11-40 Rev D, titled “Series MG—500 Alum Outswing French Door (L.M.I.)”, sheets 1 through 18 of 18, dated 07-15-11 and last revised on JUL 27, 2018, prepared by AL-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:
1. See sheets 2 thru 6 for Design Pressure charts for Single and/or Double door w/wo transom, glass, threshold type, lock type, hinges type and head, sill and jambs anchors. Lower Design Pressure shall apply to the entire assembly.
2. The Single Door w/ Transom is limited to Max. Design Pressure DP = +90 PSF & Saddle threshold= ± 80 PSF.
3. Only Single Door w/ High Threshold option item E-2B (part # ES-9026) is rated for external Positive +120 PSF, Water Resistant Rating, all other thresholds are not rated for water Resistant Ratings (See sheets 8 & 9).
4. When doors are mullion ES 8000 of 9500 series separate Storefront System NOA(s), lower design pressure of doors w/wo transom or storefront shall control for entire system, AHJ to review tributary end load and installations.

LABELING: Each unit shall bear a permanent label with the manufacturer’s name or logo, city, state and series and 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.

This NOA revises & renews NOA # 15-0826.32 and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

   A. DRAWINGS
      1. Manufacturer's die drawings and sections (Submitted under files # below)
         1 through 11 of 11, including sheet 3.1, dated 07/15/11 and last revised on 03/16/16, prepared by Al-
         Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

   B. TESTS (Submitted under files #15-0602.09 /#12-0306.07 / #10-0301.03)
      1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
         2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
         3) Water Resistance Test, per FBC, TAS 202-94(Not performed)
         4) Large Missile Impact Test per FBC, TAS 201-94
         5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
         6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
         Along with marked-up drawings and installation diagram of an Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5554**, dated 05/10/08, signed and sealed by Carlos S. Rionda, P.E.
      2. Test reports on: 1) Uniform Static Air Pressure Test,
         2) Large Missile Impact Test per FBC, TAS 201-94
         3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
         Along with marked-up drawings of an Alum. Outswing Entrance Door, prepared by FTL, Inc., Test
         Report No. **FTL-5556**, dtd 04/27/08, signed and sealed by Carlos S. Rionda, P.E.
      3. Additional Test reports along with marked-up Dwg. of a single (X) aluminum outswing door per
         TAS 201, 202 (Full) and 203-94, issued by Fenestration Testing lab, Inc., Test Report No. **FTL-5992**, dtd
         09/09/09, reissued on 2/2/11 signed & sealed by Marlin D. Brinson, P. E.

   C. CALCULATIONS (Submitted under file #15-0602.09)
      1. Anchor verification calculations & structural analysis, complying with FBC-2014, prepared by Al-
         Farooq Corp., dated 05/29/15 and last revised on 03/14/16, signed & sealed by Javad Ahmad, P.E.
      2. Glazing complies w/ ASTM-E-1300-02 -04 & -09.

   D. QUALITY ASSURANCE
      1. Miami Dade Department of Regulatory and Economic Resources (RER).

   E. MATERIAL CERTIFICATIONS
      1. Notice of Acceptance No. 14-0916.11, issued to E.I. DuPont DeNemours & Co., Inc. for their
         “DuPont Sentry Glass ® interlayer”, expiring on 01/14/17.
      2. Notice of Acceptance No. 14–0916.10, issued to E.I. DuPont DeNemours & Co., Inc. for their

   F. STATEMENTS
      1. Statement letter of conformance to FBC 2014 (5th edition) and letter of no financial interest,
         prepared by Al Farooq Corporation, dated 08/06/16, signed and sealed by Javad Ahmad, P.E.
      2. Lab compliance as part of the above referenced test report.

   E - 1

   Ishaq I. Chanda, P.E.
   Product Control Examiner
   NOA No. 18-0314.07
   Expiration Date: December 24, 2023
   Approval Date: August 09, 2018
G. OTHER
1. This NOA revises NOA #13-0820.12, expiring 12/24/18.
4. Test proposals #07-4070 & 09-0165, approved by BCCO.


A. DRAWINGS
1. Drawing No. W11-40 Rev D, titled “Series MG-500 Alum Outswing French Door (L.M.I.)”, sheets 1 through 18 of 18, dated 07-15-11 and last revised on JUL 27, 2018, prepared by AL-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Revised) (Submitted under file #18-0319.09)
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94 (Not performed)
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of X & XX Alum. Outswing Entrance Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7242, dated 05/03/13, signed and sealed by Idalmis Ortega, P.E.
(This test report revised and issued by Fenestration testing on 05/21/18, signed and sealed by Idalmis Ortega, P.E.)
2. Test reports on: on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94 (Not performed)
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings of X and XX Alum. Outswing Entrance Door, prepared by Blackwater Testing Inc., Test Report No. BT-ESW-17-020, dated 06/14/178, signed and sealed by Constantin Bortes, P.E.

C. CALCULATIONS (Submitted under file #18-0319.09)
1. Anchor verification calculations & structural analysis, complying with FBC 2017 (6th edition), prepared by Al-Farooq Corp., dated 03/16/18 and last revised on 07/27/18, signed & sealed by Javad Ahmad, P.E.

D. QUALITY ASSURANCE
1. Miami Dade Department of Regulatory and Economic Resources (RER).
E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the “Sentry Glass® Interlayer”, expiring on 07/4/23.
2. Notice of Acceptance No. 16-117.01 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc. for the “Kuraray Trofosil Ultra clear and color PVB Interlayer (Former Kuraray Butacite® PVB interlayer)”, expiring on 07/08/19.

F. STATEMENTS
1. Statement letter of conformance to FBC 2017 (6th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 03/12/18, signed and sealed by Javad Ahmad, P.E.
2. Private labeling agreement between Mr. Glass Doors & Windows Inc. and ES Windows, LLC, dated 08/01/18, signed by Ulises Senaris (President) and Ms. Evelyn Daes (MGR) respectively.
3. Distribution agreement between ES Windows, LLC (distributor) and Energia Solar, S.A. (manufacturer, dated 08/01/18, signed by MS. Carla Garcia (MGR) and Ms. Evelyn Deas (MGR) respectively.

G. OTHER
1. This NOA revises & renews NOA #15-0826.32, expiring on DEC 24, 2024.
2. Test proposal dated 12/20/12 approved by Jaime D. Gascon, P.E.
3. Reference ES windows, LLC file # 18-0319.09

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0314.07
Expiration Date: December 24, 2023
Approval Date: August 09, 2018
SERIES MG500
ALUMINUM OUTSWING ENTRANCE DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE DOORS WITH OR WITHOUT TRANSOMS.
SEE SHEETS 3 & 4 FOR DESIGN LOAD CAPACITY OF DOUBLE DOORS WITH OR WITHOUT TRANSOMS.
SEE SHEET 5 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITHOUT TRANSOMS WITH ADDITIONAL OPTIONS.
SEE SHEET 6 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITHOUT TRANSOMS WITH HIGHER LOAD CAPACITY.

DOORS CAN ALSO BE USED WITH MR. GLASS SERIES MG500 OR SERIES 9500 STOREFRONT SYSTEMS UNDER SEPARATE NOA.
DOOR MILLION ATTACHMENT, END LOAD AND CAPACITY TO BE REVIEWED BY BUILDING OFFICIAL.

DOUBLE DOORS WITH STANDARD, SADDLE AND HIGH THRESHOLD AND SINGLE DOORS WITH STANDARD AND SADDLE THRESHOLD ARE NOT APPROVED FOR INSTALLATIONS WHERE WATER INFLATION RESISTANCE IS REQUIRED.
SINGLE DOORS USING ES-9006 (HIGH THRESHOLD OPTION) ARE APPROVED FOR WATER INFLATION RESISTANCE.
SEE SHEETS 8 & 18 FOR DETAILS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS, SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFLATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

GLASS D.I.O. DIMS:
D.I.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.250" (STD. THRESHOLD)
D.I.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.625" (SADDLE THRESHOLD)
D.I.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.750" (HIGH THRESHOLD)
D.I.O. WIDTH (DOOR) = FRAME WIDTH - 14.0625"
D.I.O. HEIGHT (TRANSOM) = FRAME HEIGHT - 5.125"
D.I.O. WIDTH (TRANSOM) = FRAME WIDTH - 7"
LEAF HEIGHT = FRAME HEIGHT - 2.938" (STD. THRESHOLD)
LEAF HEIGHT = FRAME HEIGHT - 2.563" (SADDLE THRESHOLD)
LEAF HEIGHT = FRAME HEIGHT - 2.438" (HIGH THRESHOLD)
LEAF WIDTH = FRAME WIDTH - 5.188"

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT, SHUTTERS ARE NOT REQUIRED.

DRAWING NO. W11-40
DRAWN BY:
SIGNED BY:
APPROVED BY:
DATE: JULY 27, 2018

STATE OF FLORIDA
BUREAU OF BUILDING STANDARDS
ARCHITECTURAL LICENSING BOARD
LICENSE NO. 70982
REVISIONS
Sheet 1 of 18
SINGLE DOORS WITH OR WITHOUT TRANSOMS

**USE CHARTS AS FOLLOWS**

**FOR THE CORRESPONDING DOOR SIZE**

1. FOR GLASS TYPE, LOCK AND HINGE OPTIONS

   OBTAIN LOAD CAPACITIES FROM TABLE #1.

2. SELECT THRESHOLD TYPE TO BE USED.

   WATER RATED HIGH THRESHOLD ITEM #28 (ES-9026) +120.0 PSF

   NON WATER RATED (STANDARD THRESHOLD) +90.0 PSF.

3. FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN

   LOAD CAPACITIES FROM TABLE #4.

4. TRANSOMS FOR SINGLE DOORS ARE LIMITED TO ±90.0 PSF * SEE ELEVATION AT RIGHT FOR TRANSOM END ANCHORS.

   THE LOWEST VALUES FROM STEPS 1, 2, 3

   AND 4 WILL GOVERN.

**TABLE #1**

**DOORS LOAD CAPACITY - PSF**

**SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X)**

<table>
<thead>
<tr>
<th>GLASS</th>
<th>LOCKS</th>
<th>HINGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOOR DMS.</td>
<td>TYPE A</td>
<td>TYPE B/C</td>
</tr>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td></td>
</tr>
<tr>
<td>47&quot;</td>
<td>98-1/2&quot;</td>
<td>80.0</td>
</tr>
<tr>
<td>47&quot;</td>
<td>110-1/2&quot;</td>
<td>80.0</td>
</tr>
</tbody>
</table>

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

**TABLE #2**

**JAMB ANCHORS LOAD CAPACITY - PSF**

**NOT APPLICABLE AT TRANSOM END SEE NOTE 4**

**SINGLE DOORS WITHOUT TRANSOM (X) OR WITH TRANSOM (O/X)**

<table>
<thead>
<tr>
<th>DOOR DMS.</th>
<th>FRAME WIDTH</th>
<th>FRAME HEIGHT</th>
<th>SPACING AT 16&quot; O.C.</th>
<th>SPACING AT 8&quot; O.C.</th>
<th>SPACING AT 16&quot; O.C.</th>
<th>SPACING AT 8&quot; O.C.</th>
<th>SPACING AT 16&quot; O.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>47&quot;</td>
<td>98-1/2&quot;</td>
<td>95.7</td>
<td>111.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
</tr>
<tr>
<td>47&quot;</td>
<td>110-1/2&quot;</td>
<td>110.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
<td>120.0</td>
</tr>
</tbody>
</table>

SEE SHEET 10 FOR ANCHOR DESCRIPTION

**NOTE:**

GLASS CAPACITIES ON THIS SHEET ARE

BASED ON ASTM E1100-09 (3 SEC. GUSTS)

AND FLORIDA BUILDING COMMISSION

DECLARATORY STATEMENT DCAUS-DEC-219

**Jul 27, 2018**

**No. 70582**

**W11-40**
SEE CHARTS ON SHEET 4 FOR DOUBLE DOOR AND TRANSOM LOAD CAPACITY
DOUBLE DOORS WITH OR WITHOUT TRANSOMS
USE CHARTS AS FOLLOWS
FOR THE CORRESPONDING DOOR SIZE
1- FOR GLASS TYPE, LOCK AND HINGE OPTIONS
OBTAIN LOAD CAPACITIES FROM TABLE #2.
2- SELECT THRESHOLD TYPE TO BE USED.
NON WATER RATED FOR DOUBLE DOORS.
(STANDARD, SADDLE OR HIGH THRESHOLD)
3- FOR JAMB ANCHORS TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #2.
SEE ELEVATION ON SHEET 3 FOR TRANSOM END ANCHORS.
4- FOR HEAD ANCHORS, TYPE/SHIMSPACE OBTAIN
LOAD CAPACITIES FROM TABLE #2.
THE LOWEST VALUES FROM STEPS 1, 2, 3
AND 4 WILL GOVERN.

| TABLE #12 | DOORS LOAD CAPACITY - PSF
| DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) |
| GLASS | LOCKS | HINGES |
| TYPE 'A' | TYPE 'B/C' | OPTION #1 | OPTION #2 | OPTION #3 | OPTION #1 | OPTION #2 |
| FRAME | FRAME | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) | EXT. (+) | EXT. (+) | INT. (-) |
| WIDTH | HEIGHT | 82" | 90-1/2" | 80.0 | 90.0 | 80.0 | 90.0 | 80.0 | 90.0 | 80.0 | 90.0 |
| 82" | 110-1/2" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |

DOUBLE DOORS WITH SADDLE THRESHOLD LIMITED TO +80.0, -80.0 PSF
SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

| TABLE #12 | JAMB ANCHORS LOAD CAPACITY - PSF
| NOT APPLICABLE AT TRANSOM ENDS SEE NOTE 3 |
| DOORS DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) |
| FRAME WIDTH | FRAME HEIGHT |
| 1/4" SHIM SPACE | 3/8" SHIM SPACE | 1/2" SHIM SPACE |
| SPACING AT 16" O.C. | SPACING AT 8" O.C. | AT 16" O.C. | AT 8" O.C. | AT 16" O.C. | AT 8" O.C. |
| ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR |
| FRAME | WIDTH | HEIGHT | 110-1/2" | 90.0 | 88.7 | 90.0 | 90.0 | 81.3 | 88.7 | 90.0 |
| 82" | 90-1/2" | 80.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 74.9 | 90.0 | 90.0 |
| 82" | 110-1/2" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 82" | 110-1/2" | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |

SEE SHEET 10 FOR ANCHOR DESCRIPTION

| TABLE #12 | HEAD ANCHORS LOAD CAPACITY - PSF |
| DOUBLE DOOR WITHOUT TRANSOM (XX) OR WITH TRANSOM (O/XX) |
| FRAME WIDTH | FRAME HEIGHT |
| 1/4" SHIM SPACE | 3/8" SHIM SPACE | 1/2" SHIM SPACE |
| ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR ANCHOR |
| FRAME | WIDTH | HEIGHT | 110-1/2" | 90.0 | 90.0 | 90.0 | 79.2 | 90.0 | 61.5 | 81.2 |
| 78" | 90-1/2" | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 73.0 | 90.0 | 70.6 | 90.0 | 54.8 | 72.3 |
| 78" | 110-1/2" | 90.0 | 90.0 | 90.0 | 90.0 |

SEE SHEET 10 FOR ANCHOR DESCRIPTION

SILL ANCHORS DESIGN LOAD CAPACITIES ALL SIZES = ± 90.0 PSF (STD. & HIGH THRESHOLDS)
± 80.0 PSF (SADDLE THRESHOLD)

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219
SINGLE OR DOUBLE DOORS WITHOUT TRANSOMS

USE CHARTS AS FOLLOWS
FOR THE CORRESPONDING DOOR SIZE
1. FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLE #3.
2. THESE DOORS APPROVED WITH STANDARD THRESHOLD ONLY.
3. FOR JAMB ANCHORS TYPE/SHIM SPACE OBTAIN LOAD CAPACITIES FROM TABLE #3.
4. FOR HEAD ANCHORS, TYPE/SHIM SPACE OBTAIN LOAD CAPACITIES FROM TABLE #3.

THE LOWEST VALUES FROM STEPS 1, 3 AND 4
WILL GOVERN.

TABLE #3

<table>
<thead>
<tr>
<th>SINGE DOOR(%)</th>
<th>DOUBLE DOOR(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLASS</td>
<td>LOCKS</td>
</tr>
<tr>
<td>TYPE 'A1'</td>
<td>OPTION #1</td>
</tr>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
</tr>
<tr>
<td>40-1/4&quot;</td>
<td>99&quot;</td>
</tr>
</tbody>
</table>

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

TABLE #3

<table>
<thead>
<tr>
<th>JAMB ANCHORS LOAD CAPACITY – PSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGE DOOR(%)</td>
</tr>
<tr>
<td>1/4&quot; SHIM SPACE</td>
</tr>
<tr>
<td>SPACING AT 16&quot; O.C.</td>
</tr>
<tr>
<td>ANCHOR</td>
</tr>
<tr>
<td>'A'</td>
</tr>
<tr>
<td>FRAME WIDTH</td>
</tr>
<tr>
<td>40-1/4&quot;</td>
</tr>
</tbody>
</table>

SEE SHEET 10 FOR ANCHOR DESCRIPTION

TABLE #3

<table>
<thead>
<tr>
<th>HEAD ANCHORS LOAD CAPACITY – PSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGE DOOR DOUBLE DOOR TRANSOM(XX)</td>
</tr>
<tr>
<td>1/4&quot; SHIM SPACE</td>
</tr>
<tr>
<td>DOOR DMS.</td>
</tr>
<tr>
<td>'A', 'C' &amp; 'D'</td>
</tr>
<tr>
<td>FRAME WIDTH</td>
</tr>
<tr>
<td>75-1/2&quot;</td>
</tr>
</tbody>
</table>

SILL ANCHORS DESIGN LOAD CAPACITY ALL SIZES = 2 x 105.3 PSF (STANDARD THRESHOLD)

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219
**SINGLE DOORS WITHOUT TRANSOMS**

**USE CHARTS AS FOLLOWS FOR THE CORRESPONDING DOOR SIZE**

1. FOR GLASS TYPE, LOCK AND HINGE OPTIONS OBTAIN LOAD CAPACITIES FROM TABLE #4A.
2. THESE DOORS APPROVED WITH STD. THRESHOLD ONLY.
3. FOR JAMB ANCHORS TYPE/SHIPS/SPACE OBTAIN LOAD CAPACITIES FROM TABLE #4A.

THE LOWEST VALUES FROM STEPS 1 AND 3 WILL GOVERN.

<table>
<thead>
<tr>
<th>TABLE #4</th>
<th>DOORS LOAD CAPACITY – PSF</th>
<th>SINGLE DOORS WITHOUT TRANSOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE DOOR(S)</td>
<td>GLASS</td>
<td>LOCKS</td>
</tr>
<tr>
<td>DMS.</td>
<td>TYPE A</td>
<td>OPTION #3</td>
</tr>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td>EXT.(+), INT.(–)</td>
</tr>
<tr>
<td>40” 96”</td>
<td>120.0, 130.0</td>
<td>120.0, 130.0</td>
</tr>
</tbody>
</table>

SEE SHEET 7 FOR GLASS TYPES DESCRIPTION
SEE SHEET 16 FOR LOCKS AND HINGES DESCRIPTION

<table>
<thead>
<tr>
<th>TABLE #4</th>
<th>JAMB ANCHORS LOAD CAPACITY – PSF</th>
<th>SINGLE DOORS WITHOUT TRANSOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE DOOR(S)</td>
<td>1/4” SHIM SPACE</td>
<td>3/8” SHIM SPACE</td>
</tr>
<tr>
<td>DMS.</td>
<td>AT 16” O.C.</td>
<td>SPACING AT 6” O.C.</td>
</tr>
<tr>
<td>ANCHOR</td>
<td>ANCHOR</td>
<td>ANCHOR</td>
</tr>
<tr>
<td>FRAME WIDTH</td>
<td>FRAME HEIGHT</td>
<td>EXT.(–), INT.(–)</td>
</tr>
<tr>
<td>40” 96”</td>
<td>112.5, 120.0, 130.0</td>
<td>120.0, 130.0, 130.0</td>
</tr>
</tbody>
</table>

SEE SHEET 10 FOR ANCHOR DESCRIPTION

SILL ANCHORS DESIGN LOAD CAPACITY = ± 130.0 PSF (STD. THRESHOLD)

**DOORS WITH SERIES–9500 FRAMES ONLY.**

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300–09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05–DEC–219

**PRODUCT REVIEWED**

{Product Review Information}

**STATE OF FLORIDA**

**PRODUCT NO:**

**W11–40**

**Drawing No.:**

**Jul 27, 2018**

**No. 70522**

**DCA05–DEC–219**
GLAZING OPTIONS

GLASS TYPE 'A'
9/16" OVERALL LAM. GLASS

GLASS TYPE 'B'
9/16" OVERALL LAM. GLASS

GLASS TYPE 'C'
1-1/8" OVERALL INCL. LAM. GLASS

3/8" AIR SPACE CONSISTING OF:

SPACER - 'HELMAX' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMAN GmbH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 983
GE 2000
1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY MR. GLASS MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS: SEE ELEV. FOR SPACING**

**TYPE A'** 1/4" ULTRACON BY 'ELCO' (Fw=177 KSI, Fy=155 KSI)
- Thru 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
  - 1/16" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
  - 1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
- DIRECTLY INTO CONCRETE OR BLOCKS
  - 2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
  - 2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**
- INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
- INTO WOOD STRUCTURE = 1" MIN.

**TYPE C'** 5/16" ULTRACON BY 'ELCO' (Fw=177 KSI, Fy=155 KSI)
- Thru 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
  - 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
  - 1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)
- DIRECTLY INTO CONCRETE OR BLOCKS
  - 2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
  - 2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

**ANCHOR EDGE DISTANCES**
- INTO CONCRETE AND BLOCKS = 3-1/8" MIN.
- INTO WOOD STRUCTURE = 1-1/4" MIN.

**TYPE D'** 1/4" TICS OR SELF DRILLING SCREWS (GRADE 5 CRS)
- INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/JAMBS)
- (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
  - ALUMINUM: 1/8" THK. MIN. (6063-75 MIN.)
  - STEEL: 1/8" THK. MIN. (FY = 36 KSI MIN.)
  - (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**ANCHOR EDGE DISTANCES**
- INTO METAL STRUCTURE = 1/2" MIN.

**TYPE A1'** 1/4" X 1-3/4" ULTRACON BY 'ELCO' (Fw=177 KSI, Fy=155 KSI)
- DIRECTLY INTO CONCRETE (FOR STD. AND HIGH THRESHOLD)
  - WITH 1-1/2" MIN. EMBED INTO CONCRETE

**ANCHOR EDGE DISTANCES**
- INTO CONCRETE = 2-1/2" MIN.

**TYPE C1'** 5/16" X 2" ULTRACON BY 'ELCO' (Fw=177 KSI, Fy=155 KSI)
- DIRECTLY INTO CONCRETE (FOR SADDLE THRESHOLD)
  - WITH 1-1/2" MIN. EMBED INTO CONCRETE

**ANCHOR EDGE DISTANCES**
- INTO CONCRETE = 3-1/8" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS f'c = 2000 PSI MIN.
MAYAMI-DADE COUNTY APPROVED
SERIES MS5000 WINDOW WALL SYSTEM BY 'MR. GLASS'
UNDER SEPARATE APPROVAL.
LOWER VALUES FROM DOOR CAPACITY CHARTS OR
WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM.

REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
E.S. SERIES MS5000
WINDOW WALL SYSTEM
FOR DETAILS
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>PART #</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>MANF./SUPPLIER/REMARKS</th>
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</thead>
<tbody>
<tr>
<td>E1</td>
<td>ES-9012</td>
<td>1</td>
<td>DOOR HEADER</td>
<td>6001-TE</td>
<td>–</td>
</tr>
<tr>
<td>E2</td>
<td>ES-9014</td>
<td>1</td>
<td>STANDARD THRESHOLD</td>
<td>6003-TE</td>
<td>–</td>
</tr>
<tr>
<td>E2.1</td>
<td>ES-9001-30</td>
<td>1</td>
<td>ALT. STANDARD THRESHOLD</td>
<td>6003-TE</td>
<td>–</td>
</tr>
<tr>
<td>E2.2</td>
<td>ES-9011</td>
<td>1</td>
<td>SCREW COVER</td>
<td>6003-TE</td>
<td>–</td>
</tr>
<tr>
<td>E2A</td>
<td>ES-9015</td>
<td>1</td>
<td>SADDLE THRESHOLD</td>
<td>6005-TE</td>
<td>–</td>
</tr>
<tr>
<td>E2B</td>
<td>ES-9020</td>
<td>1</td>
<td>HIGH THRESHOLD</td>
<td>6006-TE</td>
<td>–</td>
</tr>
<tr>
<td>E2C</td>
<td>ES-9027</td>
<td>1</td>
<td>THRESHOLD COVER</td>
<td>6006-TE</td>
<td>–</td>
</tr>
<tr>
<td>E3H</td>
<td>ES-9013</td>
<td>2</td>
<td>DOOR JAMB - HINGE</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E4</td>
<td>ES-9001</td>
<td>2</td>
<td>TOP RAIL</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E5</td>
<td>ES-9002</td>
<td>2</td>
<td>STD. BOTTOM RAIL</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E5A</td>
<td>ES-9005-301</td>
<td>2</td>
<td>HI-PROFILE BOTTOM RAIL</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E6H</td>
<td>ES-9005</td>
<td>2</td>
<td>HINGE/LOCK STILE</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E7</td>
<td>ES-9006</td>
<td>1</td>
<td>MEETING STILE - INACTIVE LEAF</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E8</td>
<td>ES-9007</td>
<td>1</td>
<td>MEETING STILE - ACTIVE LEAF</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E8H</td>
<td>ES-9004</td>
<td>4</td>
<td>HORIZONTAL GLASS STOP</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E8V</td>
<td>ES-9004</td>
<td>4</td>
<td>VERTICAL GLASS STOP</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E9.1</td>
<td>ES-9020</td>
<td>1</td>
<td>GLASS STOP (REUSL, LAM. GLASS)</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E10T</td>
<td>ES-9002</td>
<td>4</td>
<td>CORNER BLOCK - TOP</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E10B</td>
<td>ES-9008</td>
<td>4</td>
<td>CORNER BLOCK - BOTTOM</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E11T</td>
<td>ES-9009</td>
<td>4</td>
<td>CORNER PLATE - TOP</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E11B</td>
<td>ES-9009</td>
<td>4</td>
<td>CORNER PLATE - BOTTOM</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E12</td>
<td>ES-9010</td>
<td>4</td>
<td>SUPPORT ANGLE</td>
<td>6007-TE</td>
<td>3/8&quot; X 1/2&quot; X 5/16&quot; X 3/8&quot; LONG</td>
</tr>
<tr>
<td>E13A</td>
<td>ES-9011</td>
<td>1</td>
<td>HINGE BACKUP PLATE RENFORCEMENT</td>
<td>6007-TE</td>
<td>1-1/8&quot; X 9/32&quot; X 3/8&quot; THK.</td>
</tr>
<tr>
<td>E13A</td>
<td>ES-9011</td>
<td>1</td>
<td>HINGE BACKUP PLATE FASTENERS</td>
<td>ST. STEEL</td>
<td>PH. MACHINE SCREWS</td>
</tr>
<tr>
<td>E14</td>
<td>ES-9020</td>
<td>1</td>
<td>LOCK BACKUP PLATE RENFORCEMENT</td>
<td>6007-TE</td>
<td>1-1/2&quot; LONG</td>
</tr>
<tr>
<td>E14A</td>
<td>ES-9020</td>
<td>8-32 X 1/2&quot;</td>
<td>PLATE LOCK PLATE FASTENERS</td>
<td>ST. STEEL</td>
<td>PH. MACHINE SCREWS</td>
</tr>
<tr>
<td>E15</td>
<td>ES-9016</td>
<td>1</td>
<td>AS ROD. JAMB FILLER</td>
<td>6003-TE</td>
<td>–</td>
</tr>
<tr>
<td>E16</td>
<td>ES-9017</td>
<td>1</td>
<td>AS ROD. REINFORCEMENT</td>
<td>6003-TE</td>
<td>–</td>
</tr>
<tr>
<td>E17</td>
<td>ES-9021</td>
<td>1</td>
<td>AS ROD. CLOSER SUPPORT CLIPS (PAIR)</td>
<td>6003-TE</td>
<td>–</td>
</tr>
<tr>
<td>E18</td>
<td>ES-9002</td>
<td>1</td>
<td>CLOSER DOOR STOP</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E19</td>
<td>ES-9023</td>
<td>1</td>
<td>CLOSER CLOSER COVER PLATE</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>E20</td>
<td>ES-9005</td>
<td>–</td>
<td>DOOR SWEEP</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>E21</td>
<td>ES-9051</td>
<td>–</td>
<td>DOOR STOP</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>E22</td>
<td>ES-9060</td>
<td>–</td>
<td>AS ROD. ASTRINGENT STILE</td>
<td>6007-TE</td>
<td>SECURED WITH #8 X 1/2&quot; SMS AT 12&quot; O.C.</td>
</tr>
<tr>
<td>M1</td>
<td>–</td>
<td>28</td>
<td>#12 X 1/2&quot; F.H. X 1/2 ST SMS</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>M2</td>
<td>–</td>
<td>–</td>
<td>AS ROD. #12 - 24 X 1 F.H. X 1/2 ST SMS</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>M3</td>
<td>–</td>
<td>18</td>
<td>#8 - 32 X 1/2&quot; F.H. X 1/2 ST SMS</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>M4</td>
<td>–</td>
<td>16</td>
<td>3/8&quot; - 16 X 1&quot; H/B X 1/2&quot; H/B</td>
<td>6007-TE</td>
<td>–</td>
</tr>
<tr>
<td>M5</td>
<td>ES-9000-001</td>
<td>AS ROD.</td>
<td>WEDGE GASKET</td>
<td>EPDM</td>
<td>DURAMOR 7003 SHOE A</td>
</tr>
<tr>
<td>M6</td>
<td>ES-9000-002</td>
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<td>SPACER GASKET</td>
<td>EPDM</td>
<td>DURAMOR 7003 SHOE A</td>
</tr>
<tr>
<td>M7</td>
<td>ES-9000-003</td>
<td>AS ROD.</td>
<td>BULD VINYL BASE-POLYPROPYLENE, BULB-TIP</td>
<td>ULTRAMOR</td>
<td>DURAMOR 7235 SHOE A</td>
</tr>
<tr>
<td>M8</td>
<td>ES-9000-003</td>
<td>AS ROD.</td>
<td>SETTING BLOCKS (LAM. GLASS) AT 1/4 POINTS</td>
<td>EPDM</td>
<td>DURAMOR 8243 SHOE A</td>
</tr>
<tr>
<td>M8.1</td>
<td>ES-9000-003</td>
<td>AS ROD.</td>
<td>SETTING BLOCKS (INGL. LAM. GLASS) AT 1/4 POINTS</td>
<td>EPDM</td>
<td>DURAMOR 8243 SHOE A</td>
</tr>
<tr>
<td>M8A</td>
<td>–</td>
<td>–</td>
<td>AS ROD. HINGE 4 1/2&quot; X 4&quot;</td>
<td>ALUMINUM</td>
<td>–</td>
</tr>
<tr>
<td>M12</td>
<td>–</td>
<td>1</td>
<td>3 POINT LOCK</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M13</td>
<td>–</td>
<td>1</td>
<td>KEY CYLINDER</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M14</td>
<td>–</td>
<td>1</td>
<td>THUMBTURN</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M15</td>
<td>–</td>
<td>1</td>
<td>2 POINT LOCK</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M16</td>
<td>–</td>
<td>1/2</td>
<td>LEAF DOOR CLOSURE</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M17</td>
<td>–</td>
<td>–</td>
<td>PUSH - PULL</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M19</td>
<td>W1232750</td>
<td>AS ROD.</td>
<td>PILE W STRAPPING - HEADER</td>
<td>WOOL</td>
<td>–</td>
</tr>
<tr>
<td>H20</td>
<td>W1232750</td>
<td>AS ROD.</td>
<td>PILE - WGT TILES</td>
<td>WOOL</td>
<td>–</td>
</tr>
<tr>
<td>M22</td>
<td>–</td>
<td>1/2</td>
<td>CLOSER SPACER 5/8&quot; X 1-7/8&quot;</td>
<td>–</td>
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</tr>
<tr>
<td>M23</td>
<td>–</td>
<td>2</td>
<td>THRESHOLD CUP</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M24</td>
<td>–</td>
<td>3</td>
<td>AS ROD. STRUCTURAL SLICONE</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M25</td>
<td>–</td>
<td>3</td>
<td>AS ROD. SLICONE</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M26</td>
<td>–</td>
<td>2/3</td>
<td>CLOSER 1/4 - 20 X 2&quot; H/B X 1/2&quot;</td>
<td>–</td>
<td>–</td>
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<tr>
<td>M27</td>
<td>–</td>
<td>3/4</td>
<td>CLOSER #10 X 1&quot; F.H. X 1/2 ST SMS</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M28</td>
<td>–</td>
<td>8/10</td>
<td>CLOSER #10 X 1&quot; F.H. X 1/2 ST SMS</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M29</td>
<td>–</td>
<td>3</td>
<td>AS ROD. #10 X 1&quot; F.H. X 1/2 ST SMS</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>M30</td>
<td>–</td>
<td>2</td>
<td>AS ROD. PILE - DOOR SWEEP</td>
<td>WOOL</td>
<td>–</td>
</tr>
<tr>
<td>M31</td>
<td>W1232750</td>
<td>AS ROD.</td>
<td>PILE - HEADER</td>
<td>WOOL</td>
<td>–</td>
</tr>
<tr>
<td>M32</td>
<td>W1232750</td>
<td>AS ROD.</td>
<td>PILE - HEADER</td>
<td>WOOL</td>
<td>–</td>
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</tbody>
</table>

**Diagram:**

- **ALT., STANDARD THRESHOLD**
- **SCREW COVER**
- **SUPPORT ANGLE**
- **HINGE BACKUP PLATE**

**Additional Information:**

- **Drawing Number:** W11-40
- **Sheet:** 15 of 18
- **Scale:** 1/4" = 1'-0"
- **Included:** Complying with the Florida Building Code Approved No. 12-00-0775
- **Prepared By:** ANC drawings, Inc.
- **Printed By:** ANC drawings, Inc.
- **Printed By:** ANC drawings, Inc.
- **Printed By:** ANC drawings, Inc.
- **Printed By:** ANC drawings, Inc.
LOCKS: (See Tables On Sheets 2 Thru 6 For Load Capacities)

**OPTION #1:** LIMIT MAX. LOADS TO ±80.0 PSF

**ACTIVE & INACTIVE LEAF:**
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' #1285 LOCATED AT 41" FROM SILL AT EACH LEAF.
FASTENED WITH
1. #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
2. #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END OR
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'ADAMS RITE' LOCATED AT 40" FROM SILL AT EACH LEAF.
FASTENED WITH
(2) #10-32 X 1/4" FH MACHINE SCREWS AT ONE END AND
(2) #10-24 X 1/2" FH MACHINE SCREWS AT OTHER END

**OPTION #2:** LIMIT MAX. LOADS TO +80.0, -90.0 PSF

**ACTIVE & INACTIVE LEAF:**
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'JACKSON PANIC SYSTEM' #2086 LOCATED AT 41" FROM SILL AT EACH LEAF.
FASTENED WITH
1. #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
2. #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END OR
CONCEALED VERTICAL ROD PANIC EXIT DEVICE BY 'DOR-DO-MATIC' LOCATED AT 40" FROM SILL AT EACH LEAF.
FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS AT ONE END

**OPTION #3:**

**ACTIVE LEAF:**
KEY OPERATED THREE POINT LOCK SYSTEM 4015/4016 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH
(2) #12-24 X 1/2" FH MACHINE SCREWS

**INACTIVE LEAF:**
MANUALLY OPERATED TWO POINT LOCK SYSTEM 1880/81 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH
(2) #8-32 X 1/4" PH MACHINE SCREWS

**HINGES:** (See Tables On Sheets 2 Thru 6 For Load Capacities)

**OPTION #1:**
OFFSET PIVOT HINGES
ALUMINUM AT TOP AND BOTTOM
FASTENED TO FRAME AND THRESHOLD WITH
#10-24 X 1/2" FH THREAD CUTTING SCREWS
(2) AT THRESHOLD, (2) AT JAMB BOTTOM
(3) AT FRAME HEAD
HEAVY DUTY BRASS OR BRONZE AT MIDSPLAY
FASTENED TO FRAME AND LEAF WITH
(4) 1/4-20 X 5/8" MS

**OPTION #2:**
4 X 4-3/4" ST. STEEL BALL BEARING BUTT HINGES LOCATED AT
11" FROM TOP & BOTTOM AND AT MIDSPLAY
FASTENED TO DOOR FRAME AND LEAF STILE WITH
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP

**OPTION #2.1:**
4 X 4-3/4" ST. STEEL BALL BEARING BUTT HINGES (4) PER LEAF
(1) AT 9-5/8" FROM TOP TO CL OF HINGE
(1) AT 10-5/16" FROM BOTTOM TO CL OF HINGE
(2) INTERMEDIATE HINGES EQUALLY SPACED FROM TOP AND BOTTOM HINGE
FASTENED TO DOOR FRAME AND LEAF STILE WITH
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP