CGI Windows & Doors
3780 West 104th Street
Hialeah, FL 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series “560” Aluminum Sliding Glass Door w/ wo Reinforcements – S.M.I.

APPROVAL DOCUMENT: Drawing No. W08–21, titled “Series 560 Alum Sliding Glass Door – SMI”, sheets 1 through 13 of 13, including sheets 2.1 and 9.1, dated 05/23/08, prepared by Al–Farooq Corporation, with latest revised “J” dated 05/03/18, 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: Small Missile Impact Rating.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/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 and renews NOA# 17-0307.09 and consists of page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

NOA No. 17-1226.02
Expiration Date: June 26, 2023
Approval Date: May 24, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under previous NOA's # 08-0530.01 and 09-1209.04)

2. Drawing No. W08-21, titled “Series 560 Alum Sliding Glass Door – SMI”, sheets 1 through 13 of 13, including sheets 2.1 and 9.1, dated 05/23/08, prepared by Al-Farooq Corporation, with latest revised “G” dated 12/21/15, signed and sealed by Javad Ahmad, P. E.

B. TESTS

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
   4) Small Missile Impact Test per FBC, TAS 201–94
   5) Large Missile Impact Test per FBC, TAS 201–94
   6) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   7) Forced Entry Test, per FBC, TAS 202–94

along with marked-up drawings and installation diagram of an aluminum SGD, prepared by Hurricane Test Laboratory, Inc., Test Report No. HTL–0080–0707–09, dated 11/10/09, signed and sealed by Vinu J. Abraham, P. E.
   (Submitted under previous NOA No. 09–1209.04)

2. 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
   4) Large Missile Impact Test per FBC, TAS 201–94
   5) Small Missile Impact Test per FBC, TAS 201–94
   6) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   7) Forced Entry Test, per FBC, TAS 202–94

along with marked-up drawings and installation diagram of an aluminum SGD, prepared by Hurricane Engineering Testing, Inc., Test Reports No.’s HETI-08-2070 dated 02/29/08 and revised on 05/21/08, HETI-07–4427 dated 12/27/07, HETI-07–4405 dated 12/27/07 and revised on 04/08/08, and HETI-07–4418 dated 12/27/07, all signed and sealed by Candido F. Font, P. E.
   (Submitted under previous NOA No. 08–0530.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014, 5th edition, dated 12/10/15, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
   (Submitted under previous NOA No. 15–0302.07)

2. Glazing complies with ASTM E1300-09

[Signature]
Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1226.02
Expiration Date: June 26, 2023
Approval Date: May 24, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 15-1201.11 issued to Eastman Chemical Company (MA) for their “Saflex Clear and Color Glass Interlayers” dated 03/07/16, expiring on 05/21/2021.
   2. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. for their “Trosifol® UltraClear, Clear and Color PVB Glass Interlayers” dated 01/19/17, expiring on 07/08/19.

F. STATEMENTS
   1. Statement letter of no financial interest, conformance and compliance with the FBC-2014, 5th edition, dated 02/25/15, signed and sealed by Javad Ahmad, P.E.
      (Submitted under previous NOA No. 15-0302.07)
   2. Letter of Adoption of as his Own, the Work of another Engineer per Section 61G15–27 of the FBPE, dated 03/03/10, signed and sealed by Javad Ahmad, P.E.
      (Submitted under NOA No. 09–1209.04)
   3. Proposal No. 08–1653 issued by Product Control, dated 01/28/09, approved and signed by Ishaq Chanda, P.E.
      (Submitted under NOA No. 09–1209.04)
      (Submitted under NOA No. 09–1209.04)
   5. Proposals No.’s 07–3001–R and 07–3001–R–1 issued by Product Control, dated 10/23/07 and 01/10/08, both approved and signed by Ishaq Chanda, P.E.
      (Submitted under NOA No. 08–0530.01)
      (Submitted under previous NOA No. 08–0530.01)
   7. One year extension request letter issued by CGI Windows and Doors, Inc., dated 05/30/17, signed by Robert Beaird, P.E.
   8. Proposal No. 16–1527 issued by Product Control, dated 12/22/16, signed by Jorge Plasencia, P.E.
   9. Testing notification letter issued by Fenestration Testing Laboratory Inc., dated 03/30/17, and signed by Leigh Sanchez.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1226.02
Expiration Date: June 26, 2023
Approval Date: May 24, 2018
G. OTHERS
1. Notice of Acceptance No. 15-0302.07, issued to CGI Windows & Doors, for their Series “560 Alum Sliding Glass Door – S.M.I.”, approved on 01/07/16 and expiring on 06/26/17.

2. NEW EVIDENCE SUBMITTED
A. DRAWINGS
1. Drawing No. W08-21, titled “Series 560 Alum Sliding Glass Door – SMI”, sheets 1 through 13 of 13, including sheets 2.1 and 9.1, dated 05/23/08, prepared by Al-Farooq Corporation, with latest revised “J” dated 05/03/18, signed and sealed by Javad Ahmad, P.E.

B. TESTS
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
   4) Small Missile Impact Test per FBC, TAS 201–94
   5) Large Missile Impact Test per FBC, TAS 201–94
   6) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   7) Forced Entry Test, per FBC 2411 3.2.1, TAS 202–94
   along with marked-up drawings and installation diagram of an aluminum SGD, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-9547, dated 06/19/17, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), dated 12/11/17, 04/02/18 and 05/08/18, prepared by Al Farooq Corporation, signed and 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. 17-0712.05 issued to Eastman Chemical Company (MA) for their “Saflex Clear and Color Glass Interlayers” dated 09/07/17, expiring on 05/21/2021.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1226.02
Expiration Date: June 26, 2023
Approval Date: May 24, 2018
E. MATERIAL CERTIFICATIONS (continued)
   2. Notice of Acceptance No. 17-1114.14 issued to Kuraray America, Inc. for their "Trosifol® Ultracear, Clear and Color PVB Glass Interlayers" dated 01/18/18, expiring on 07/08/19.

F. STATEMENTS
   1. Statement letter of conformance to FBC 6th Edition (2017), and of no financial interest, dated 10/23/17, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

G. OTHERS
   1. This NOA revises and renews NOA #17-0307.09, expiring on 06/26/18.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-1226.02
Expiration Date: June 26, 2023
Approval Date: May 24, 2018
**SERIES ‘560’ ALUMINUM SLIDING GLASS DOOR (2 TRACK)**

**DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN ON SHEET 3.**

**APPLICABLE EGRESS REQUIREMENTS PER FBIC TO BE REVIEWED BY BUILDING OFFICIAL.**

**MAX. JAMB ANCHOR SPACING:**

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<tr>
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**REINFORDED AS REQUIRED SEE CHART 3 FOR CAPACITY.**

**2 TRACK DOORS LAMINATED GLASS AND LAMINATED INSULATING GLASS SMALL MISSILE IMPACT**

**INSTRUCTIONS:**

**USE CHARTS AS FOLLOWS:**

**STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE, USING APPLICABLE ASCE 7 STANDARD.

**STEP 2** DETERMINE DOOR CAPACITY FROM TABLES ON SHEET 3 FOR THE GLASS TYPE AND REINFORCING TO USE.

**STEP 3** USING CHARTS ON SHEET 5 & 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

**STEP 4** FOR SIDE BY SIDE DOORS WITH VERTICAL MULLION SELECT 2X8 OR 2X6 TUBE FROM CHART ON SHEET 13 WITH LOAD RATING HIGHER THAN REQUIRED.

**STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

**ALFARDO CORP., INC.**

**5088 S. Apple St., Sarasota, FL 34232**

**TALLAHASSEE ENGINEERS & PRODUCT DEVELOPMENT**

**Phone: (850) 521-0780**

**Fax: (850) 344-1150**

** Miami-Dade Product Control**

**FBIC No. 70592**

**Expiration Date 06/26/2023**

**5088 S. Apple St., Sarasota, FL 34232**

**Drawing no. WOB-21**

**Sheet 1 of 13**
Over-all Door Width based on Panel Width

<table>
<thead>
<tr>
<th>Panel Width</th>
<th>PX, XP Door Width</th>
<th>PX, XXP Door Width</th>
<th>PX, XXP Door Width</th>
<th>PX, XXXX Door Width</th>
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<td>230 5/8&quot;</td>
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Formula to convert Door Width to Panel Width

For PX: Door Width + 1 11/16" = Panel Width
For PX: (Door Width + 4 11/16")/2 = Panel Width
For PX, XP: (Door Width + 4 7/16")/2 = Panel Width
For PX, XXP: (Door Width + 10 3/8")/4 = Panel Width
For PX, XXXX: (Door Width + 6 1/4")/4 = Panel Width

Formula to convert Panel Width to Door Width

For PX: Panel Width - 1 11/16" = Door Width
For PX, XP: Panel Width x 2 = 4 11/16" = Door Width
For PX, XXP: Panel Width x 4 = 10 3/8" = Door Width
For PX, XXXX: Panel Width x 4 = 6 1/4" = Door Width

Panel Height Formula

Door Height = 2 9/16" = Panel Height

D.L.O. OPENING

D.L.O. HEIGHT = DOOR HEIGHT - 13 5/16"  
D.L.O. WIDTH = PANEL WIDTH - 6"
### DESIGN LOAD CAPACITY – PSF (GLASS)

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<th>DOOR HEAD</th>
<th>GLASS TYPE</th>
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### GLASS CAPACITY CHARTS

- **Product Revised** as complying with the Florida Building Code NOA-No. 17-1226.02
- **Expiration Date 06/26/2023**
- **By Miami-Dade Product Control**

**NOTE:** Capacities shown in chart are for doors using 4-1/4" sill riser to be selected for max. positive design pressure see details on sheet 4. Obtain anchor type and configuration to use from anchor charts on sheet 5. MLLION SIZE AND CAPACITY TO BE OBTAINED FROM CHARTS ON SHEET 13. LOWEST APPLICABLE VALUE FROM ABOVE WILL APPLY TO CONDITION REVIEWED.
GLAZING OPTIONS

NOTE:
3/16" AND 1/4" PIECES OF GLASS ON THE
1/2" LAMINATED UNIT ARE INTERCHANGEABLE
(EX: 3/16" + 1/4" OR 1/4" + 3/16")

LIMIT MAX. PANEL AREA TO 40.2 SQ. FT.

FOR PANEL AREAS > 40.2 SQ. FT.
LAMINATED PIECES MUST BE
1/4" + 3/16" (AS SHOWN IN DETAILS)

LOAD CAPACITIES SHOWN IN CHART ON SHEET 3 ARE FOR DOORS USING 4-1/4" SILL HEIGHTS
FOR DOORS USING LOWER SILL HEIGHTS LIMIT EXTERIOR(+) LOADS AS SHOWN ABOVE.
<table>
<thead>
<tr>
<th>PANEL WIDTH</th>
<th>1/4&quot; SHIM SPACE</th>
<th>3/8&quot; SHIM SPACE</th>
<th>1/2&quot; SHIM SPACE</th>
<th>5/8&quot; SHIM SPACE</th>
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NOTE: SEE SHEET B FOR ANCHOR TYPES AND DETAILS. ANCHOR CAPACITIES LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH GLASS/REINFORCING AND MILLION CHARTS IN THIS DOCUMENT. LOWER APPLICABLE VALUES CONTROL.

PRODUCT REVISED as complying with the Florida Building Code NOA-17-1226.02
Expiration Date 06/26/2023

By Miami-Dade Product Control

Sheet 5 of 13
<table>
<thead>
<tr>
<th>Panel No.</th>
<th>Door Frame Widths</th>
<th>Anchor Capacities</th>
<th>1/4&quot; Shims</th>
<th>3/8&quot; Shims</th>
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**NOTE:**

- See Sheet 8 for anchor types and details.
- Anchor capacities listed on this sheet to be used in conjunction with class/reinforcing and mullion charts in this document.
- Lower applicable values control.

**PRODUCT REVISED as complying with the Florida Building Code NOA-No. 17-1226.02**

Expiration Date: 06/26/2023

By: MSMi-Data Product Control
SILL WITHRISER
APPROVED FOR
WATERRESISTANCE
SEE SHEET 4 FORCAPACITY

POURED & HARDENED
HIGH STRENGTH GROUT
f_c = 5000 PSI MIN.
(NON METALLIC)
WITH BONDING AGENT
NOT BY COI
MUST TRANSFER SHEAR
LOADS TO STRUCTURE

SILL WITHOUT RISER NOT APPROVED FOR INSTALLATIONS WHERE
WATER INFILTRATION RESISTANCE IS REQUIRED.
MAX. DESIGN LOAD FOR THIS SILL IS THE SAME AS 4-1/4" RISER.

WEEPS:
W1 = 1/4" X 2" WEEP SLOTS WITH PLASTIC COVER
AT 70° FROM EACH END AND 16-1/2" O.C.
W2 = 1/4" X 2" WEEP SLOTS
(1) AT 4" FROM EACH END
(2) IN PAIRS 12" APART, 48" SPACING IN BETWEEN PAIRS
W3 = 1/4" X 5/8" WEEP HOLES
(1) AT 9-1/2" FROM EACH END
(2) IN PAIRS 10" APART, 48" SPACING IN BETWEEN PAIRS
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 5/16" DIA. ULTRACON BY ELOC (Fy=177 ksi, Fy=155 ksi)
INTO WOOD STRUCTURES
WITH 2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 18" OR 20" WOOD BUCKS INTO CONC. OR BLOCKS
WITH 1-7/8" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
WITH 1-3/8" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

TYPE 'B' - 5/16" DIA. ULTRACON BY ELOC (Fy=177 ksi, Fy=155 ksi)
DIRECTLY INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

TYPE 'C' - #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES (HEAD/JAMBS)
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (0.063-0.075 MIN.)
STEEL: 1/8" THK. MIN. (f y = 36 ksi MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE 'D' - 1/4" DIA HILTI KRM-CON (Fy=158 ksi, Fy=177 ksi)
INTO WOOD STRUCTURES
WITH 2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
THRU 18" OR 20" WOOD BUCKS INTO CONC. OR BLOCKS
WITH 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
WITH 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

TYPE 'E' - 1/4" DIA HILTI KRM-CON (Fy=158 ksi, Fy=177 ksi)
DIRECTLY INTO CONC. OR BLOCKS
WITH 2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
WITH 2" MIN. EMBED INTO BLOCKS (JAMBS)

ANCHOR END DISTANCES (UNLESS OTHERWISE NOTED)
INTO CONCRETE AND BLOCKS = 2-1/2" MIN. AT 1/4" ANCHOR
INTO WOOD STRUCTURE = 2-1/2" MIN. AT 1/4" ANCHOR
INTO METAL STRUCTURE = 1/2" MIN.
WOOD AT HEAD OR JAMBS = 5/8" MIN.
CONCRETE AT HEAD, SILL OR JAMBS = 3000 PSI MIN.
C-80 HOLLOW/FILLED BLOCK AT JAMBS = 2000 PSI MIN.
POCKET HOOK ANCHOR CAPACITY - PSF

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<th>ANCHORS TYPE</th>
<th>SUBSTRATE</th>
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<td>1/4&quot; DIA. ULTRASONIC BY 'ELCO'</td>
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<td>(Fy=177 KSI, Fy=150 KSI)</td>
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ABOVE CHART IS FOR 12" TYP. ANCHOR SPACING FOR 6" SPACING MULTIPLY CAPACITY X2.
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</table>

**16. VARIES VARIES**
WOOL PILE WEATHERSTRIPPING WITH FIN

**17. CG-582**
VARIES GLAZING BEAD BALR

**18. SILENCE VARIES**
STRUCTURAL SILICONE

**19. CG-584**
1 ANTI-LIFT BLOCK, WITH PILE PAD

**20. CG-586**
1 ADHESIVE BACKED PILE PAD (3.25" X .44" X .5")

**21. TA-51 OR TA-84**
3/ MO. PANEL

**22. CH-200**
1 W.S. COMMERCIAL HOOK BOLT LOCK (CH-200)

**23. CH-107**
1 BRASS THUMBTURN

**24. CH-109**
OPT. BRASS KEYED EXTERIOR CYLINDER

**25. CG-581**
1 #12 X 3/4 HEX HEAD 5/16 SM S/S KEEPER

**26. SCREW (FRAME)**
12 #12 X 1/2" HEX HEAD 5/16 SM S/S

**27. SCREW (PANEL)**
8 #10 X 1 1/4" PAN HEAD 5/16 SM S/S

**28. SCREW**
2 #8 X 11/2" FLAT HEAD TEKS S/S

**30. SCREW**
VARIES #10 X 1 1/2" PAN HEAD TEKS S/S

**31. CG-599**
VARIES SEAL RING

**32. SIDEJAM JAMB CUP**
1 SCREW 3" LONG CLIP (AT "O" CONFIGURATION)

**33. H-FLO WEEDER**
VARIES WEEP HOLE AND COVER

**34. -**
2/ LITE SETTING BLOCK

**35. WS-578**
AS REQ'd ADHESIVE BACKED PILE PAD (2.75" X .3" W X .69"H)

**36. WS-597**
AS REQ'd ADHESIVE BACKED PILE PAD (1.1" X .54" W X .32")

**SEALANTS:**
ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM-Colored SILICONE.
NOTES:
1. USE CHART ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF DOOR MULLION.
2. FOR SLIDING GLASS DOOR CAPACITY SEE SHEET 3.
3. USE CHART ON SHEETS 5 & 6 TO SELECT ANCHOR ARRANGEMENT AT MULLION ENDS.
4. LOWER VALUES FROM STEPS 1, 2 OR 3 WILL APPLY TO ENTIRE SYSTEM.

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