NOTICE OF ACCEPTANCE (NOA)

CGI WINDOWS and DOORS, INC.
10100 NW 25 Street
Miami, FL 33172

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 “Sentinel 150" Aluminum Sliding Glass Door w/ wo Reinforcements – L.M.I.

APPROVAL DOCUMENT: Drawing No. W10-31 Rev O, titled series “150 Sentinel Aluminum Sliding Glass Door”, sheets 1 through 28 of 28, prepared by Al–Farooq Corporation, dated 05/20/10 and last revised on MAR 05, 2018, signed and sealed by Javad Ahmad, P. E., bearing the Miami–Dade County Product Control Revision stamp with the Notice of Acceptance number and Revision date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. Pocket wall is not part of this approval and to be reviewed by AHJ.
2. See Design Pressure (DP) table: Sizes Vs glass types, Interlock reinforcing & sill riser and the max allowable panels for the entire unit, in sheet 13. See anchor clusters DP capacity in sheet 15. Lower capacity shall controls for the entire assembly. For Doors w/ corners, see limitation note 4, below.
3. Max shim not to exceed ½” at Head/jambs & ½” at Sill (w/ High strength poured & hardened grout). The Sill to be installed w/ anchor type B-2, directly into conc.
4. Units containing 90° & 135° exterior corners must be limited to Max Dp= +/-60 PSF. See sheet 22 for anchor layout.

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", 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 NOA # 17-1011.18 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 L. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's die drawings and sections.
2. Drawing No. W10–31 Rev L, titled Series “Sentinel 150 Alum Sliding Glass Door”, sheets 1 through 28 of 28, prepared by AI–Farooq Corporation, dated 05/20/10 and last revised on 01/11/16, 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) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   6) Forced Entry Test, per FBC, TAS 202–94
along with marked–up drawings and installation diagram of 8-panel, Alum SGD w/ Pockets & 135° and 90° corners, prepared by Architectural Testing, Inc., Test Report No. D8502.01-450-18, dated 12/07/15 respectively, both signed and sealed by Joseph A. Reed, P.E.(submitted under file #15-0619.06)

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) 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 6-panels Alum SGD w/ Pockets & OXXX, prepared by Certified Testing Laboratories, Test Report No. CTLA -3011-W & -W-1, dated May 22 & 23, 2014 respectively, both signed and sealed by Ramesh Patel, P. E.
(Note this test reports have been revised by an addendum letter dated SEP 24, 2014, issued by Certified Testing lab.)

3. Test reports on:
   1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   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 and installation diagram of a series 7500FW Vinyl Flange Frame Impact Fixed Window, to qualify DuPont “Butacite” PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Testing Laboratories, Test Report No. CTLA-3056 WA dated 03/03/15, signed and sealed by Ramesh Patel, P. E.

along with marked–up drawings and installation diagram of a series 7400PO Vinyl Impact Flange Frame Project Out Windows, to qualify DuPont “Butacite” PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Testing Laboratories, Test Report No. CTLA-3056 WB dated 03/03/15, signed and sealed by Ramesh Patel, P. E.

along with marked–up drawings and installation diagram of a series 238 Aluminum Fixed Flange Frame Window with Vent to qualify DuPont “Butacite” PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Testing Laboratories, Test Report No. CTLA-3056 WC dated 04/16/15 and revised on 03/09/16, signed & sealed by Ramesh Patel, P. E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continue)

4. 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) 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 Alum SGD, prepared by Hurricane test Laboratory, LLC, Test Report No. HTL-0080-1208-090, dated July 30, 2010, signed and sealed by Vinu J. Abraham, P. E. (submitted under files #12-0119.04/11-1031.05)  

along with marked-up drawings and installation diagram of Alum. SGD (OX) prepared by Architectural Testing, Inc., Test Report No. ATI-C0733.03-450-18, dated 08/09/12, signed and sealed by Vinu J. Abraham, P. E. (submitted under files #13-1121.08/#12-0821.16).

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, conformance to, complying with FBC-2010 and with FBC 5th Edition (2014), prepared by Al-Farooq Corporation, dated 02/24/16, signed and sealed by Javad Ahmad, P.E.

2. Glazing complies with ASTM E1300-09.

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 Kuraray America, Inc. for their “Sentry Glas® (Clear and White) Glass Interlayers”, expiring on 07/04/18.


F. STATEMENTS

1. Statement letter of conformance to, complying with FBC 5th Edition (2014), and of no financial interest, dated 02/24/16, signed and sealed by Javad Ahmad, P. E.

2. Addendum letter dated SEP 24, 2014, issued by Certified Testing lab, signed and sealed by Ramesh Patel, P. E.

3. Lab Compliance statement, part of above referenced test report.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1218.20
Expiration Date: September 22, 2020
Approval Date: April 12, 2018
CGI WINDOWS and DOORS, INC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER
1. This NOA revises NOA # 15-0619.06, expiring on Sep. 22, 2020.
2. Test proposal for the qualification of Butacite® PVB glass interlayer by Kuraray America, Inc., as well as Duraseal® and Super Spacer® Standard warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, P.E.
3. Test proposal # 14-0198, approved on 02/26/2014, signed by Ishaq I. Chanda, P.E.
4. Test proposals # 13-1098, approved on Oct 02, 2013 and revised on FEB 24, 2014, signed by Manuel Perez, P.E., test proposal # 11-1225 dated DEC 16, 2011 signed by Jaime D. Gascon, P.E. Test proposal # 09–1073, approved on Nov. 05, 2009 and E-mail test proposal dated 07-19-2010, approved by BCCO.


A. DRAWINGS
1. Drawing No. W10–31 Rev O, titled Series “150 Sentinel Aluminum Sliding Glass Door”, sheets 1 through 28 of 28, prepared by Al–Farooq Corporation, dated 05/20/10 and last revised on MAR 05, 2018, signed and sealed by Javad Ahmad, P. E.

B. TESTS
1. None.

C. CALCULATIONS
1. None.

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

E. MATERIAL CERTIFICATIONS
1. None.

F. STATEMENTS
1. Letter of conformance to FBC 2017 (6th edition) and No Financial interest, prepared by Al–Farooq Corporation, dated 09/14/17, signed and sealed by Javad Ahmad, P. E.

G. OTHER
1. This NOA revises NOA # 17-1011.18, expiring 09/22/2020.

Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 17-1218.20  
Expiration Date: September 22, 2020  
Approval Date: April 12, 2018
SERIES SENTINEL 150 ALUMINUM SLIDING GLASS DOOR

DOORS ALLOWED FOR MAX. NUMBER OF PANELS AS LISTED ON DESIGN LOAD CAPACITY CHART ON SHEET 13 OF 28, USING MEETING STILE COMBINATIONS TESTED AND SHOWN IN DRAWING DETAILS.

APPLICABLE EGRESS REQUIREMENTS PER FBC TO BE REVIEWED BY BUILDING OFFICIAL.

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).

BY 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 DESIMULAR 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 INfiltrATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ACE 7 STANDARDS.

STEP 2 DETERMINE DOOR CAPACITY FROM TABLES ON SHEET 13 FOR THE GLASS TYPE AND REINFORCING TO USE.

STEP 3 USING CHARTS ON SHEET 15 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 4 THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.
This approval qualifies doors with approved configurations shown with 90° and 135° corners wherestile configurations shown on sheet 22 are present.

For doors using 90° & 135° corner stiles limit max. design loads to ±60.0 PSF

Approved configurations

Non-pocketed doors

See sheet 13 for Dp and reinforcing options

Three (3) tracks

Note:
1. Configurations shown for illustration purposes only.
2. For applicable non-reinforced or reinforced design pressures see sheet 13.
3. For anchor details see sheets 15 thru 23.
4. Door shall meet egress requirements as applicable per FBC.

Mar. 05 2018

W10-31

Sheet 5 of 28
THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.

FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

APPROVED CONFIGURATIONS
POCKETED DOORS (NON-REINFORCED SHOWN)
SEE SHEET 13 FOR DP AND REINFORCING OPTIONS

THREE (3) TRACKS
POCKETS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED BY AHJ.

NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.
THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.

FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

APPROVED CONFIGURATIONS

NON-POCKETED DOORS

(TWO TRACKS)

NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON-REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

MAR 05 2018
NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON-REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET CODE REQUIREMENTS AS APPLICABLE PER FBC.

APPROVED CONFIGURATIONS
POCKETED DOORS
(Non-reinforced Shown)
SEE SHEET 13 FOR DP AND REINFORCING OPTIONS

TWO (2) TRACKS

THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.

FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF.
THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.

FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

Approved Configurations
Non-Pocketed Doors

Non-Reinforced Shown

See Sheet 13 for dp and reinforcing options

Four (4) Tracks

Note:
1. Configurations shown for illustration purposes only.
2. For applicable non-reinforced or reinforced design pressures see Sheet 13.
3. For anchor details see sheets 15 thru 23.
4. Door shall meet egress requirements as applicable per FBC.
THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.

FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSI

APPROVED CONFIGURATIONS
NON-POCKETED DOORS
NON-REINFORCED SHOWN
SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS

FOUR (4) TRACKS

NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.
THIS APPROVAL Qualifies Doors with Approved Configurations Shown with 90° and 135° Corners where stile configurations shown on Sheet 22 are present. For doors using 90° & 135° corner stiles limit max. design loads to ±60.0 PSF.

 APPROVED CONFIGURATIONS

POCKETED DOORS

(Non-reinforced Shown)

SEE SHEET 13 FOR DO AND REINFORCING OPTIONS

FOUR (4) TRACKS

POCKETS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED BY AHJ.

NOTE:
1. Configurations shown for illustration purposes only.
2. For applicable non-reinforced or reinforced design pressures see Sheet 13.
3. For anchor details see sheets 15 thru 23.
4. Door shall meet egress requirements as applicable per FBC.
This approval qualifies doors with approved configurations shown with 90˚ and 135˚ corners where stile configurations shown on sheet 22 are present. For doors using 90˚ & 135˚ corner stiles, limit max. design loads to 60.0 PSF.

Approved configurations:
Pocket doors (non-reinforced shown)
See sheet 13 for Dp and reinforcing options.

Four (4) tracks
Pocket doors are not part of this approval and to be reviewed by AHJ.

Note:
1. Configurations shown for illustration purposes only.
2. For applicable non-reinforced or reinforced design pressures see sheet 13.
3. For anchor details see sheets 15 thru 23.
4. Door shall meet egress requirements as applicable per FBC.
### Glass Capacity Charts

**Glass Types:** A, A', A1, B, B', B1

#### Interlocks W/O Reinforcement

<table>
<thead>
<tr>
<th>NO. PANEL WIDTH IN CHANCES</th>
<th>GLASS TYPES</th>
<th>GLASS TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>'A' &amp; 'A1'</td>
<td>'B' &amp; 'B1'</td>
</tr>
<tr>
<td></td>
<td>INT. (+)</td>
<td>INT. (+)</td>
</tr>
<tr>
<td></td>
<td>EXT. (+)</td>
<td>EXT. (+)</td>
</tr>
</tbody>
</table>

#### Interlocks WITH Reinforcement

<table>
<thead>
<tr>
<th>NO. PANEL WIDTH IN CHANCES</th>
<th>GLASS TYPES</th>
<th>GLASS TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>'A' &amp; 'A1'</td>
<td>'B' &amp; 'B1'</td>
</tr>
<tr>
<td></td>
<td>INT. (+)</td>
<td>INT. (+)</td>
</tr>
<tr>
<td></td>
<td>EXT. (+)</td>
<td>EXT. (+)</td>
</tr>
</tbody>
</table>

### Applicable FBC Egress Requirements

Requirements to be reviewed by Aiu.

### Note:

Glass capacities on this sheet are based on ASTM E1300-09 (3 sec. gusts) and Florida Building Commission Declaratory Statement DCA05-DEC-219

Sill riser items EB or EB.1 are required for loads above +60.0 PSF only.
GLAZING OPTIONS

GLASS TYPE 'A'
7/16" OVERALL LAM. GLASS

3/16" HEAT STRENGTH GLASS
[Diagram]

3/8" AIR SPACE
3/16" TEMP. GLASS

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

SETTING BLOCKS AT 1/4 POINTS ON LITES WIDER THAN 36" EPDM DUROMETER 85±5

EXTERIOR

GASKET BIE

EXTERIOR

GASKET BIE

GASKET BIE

GASKET BIE

3/16" INTERLAYER
Saflex CP With PET Core
By Eastman Chemical Co.
OR
.090" Interlayer
Saflex Clear And Color Glass
By Eastman Chemical Co.
OR
.090" Interlayer
Sentryglass
By Kuraray America, Inc.
OR
.090" Interlayer
Trasfoil PVB
By Kuraray America, Inc.

3/16" ANN. GLASS

3/16" INTERLAYER
Saflex CP With PET Core
By Eastman Chemical Co.
OR
.090" Interlayer
Saflex Clear And Color Glass
By Eastman Chemical Co.
OR
.090" Interlayer
SentryGlass
By Kuraray America, Inc.
OR
.090" Interlayer
Trasfoil PVB
By Kuraray America, Inc.

3/16" ANN. GLASS

3/8" AIR SPACE
3/16" TEMP. GLASS

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

GASKET BIE

3/4" MIN. TYP.
TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

LOCK STILE
1/2" MAX.
LOAD BEARING
SHIM
D.L.O.

CONCRETE
Masonry

H
REIN.
AS RIGID
SEE CHART ON
SHEET 13 FOR
CAPACITY

INTERLOCK
REIN.
(RENFORCED)

DOOR FRAME
WIDTH
INTERLOCK
REIN.
(RENFORCED)

NOM.
PANEL WIDTH

ASTRAGAL

PRODUCT RECOMMENDED
BY THE FOLLOWING
GOVERNMENT AGENCIES

1/2" MAX.
LOAD BEARING
SHIM
D.L.O.

1 1/4" OR LARGER
WOOD BUCKS

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

K

1/2" MAX.
LOAD BEARING
SHIM
D.L.O.

G

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

2"X6 OR LARGER WOOD
BUCK OR
WOOD STRUCTURE

L

1/2" MAX.
LOAD BEARING
SHIM
D.L.O.

M

CONCRETE
MASONRY

N

1/2" MAX.
LOAD BEARING
SHIM
D.L.O.

G

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

THREE (3) TRACK DOOR DETAILS
SEE SHEET 15 FOR ANCHORS

EDGE DIST.

1 3/4"

1/2" MAX.

EDGE SHIRRING

3 KSI CONC.

SEE SHEET 15 FOR ANCHORS

EDGE DIST.

1 3/4"

1/2" MAX.

EDGE SHIRRING

3 KSI CONC.

WEEP SIZE 1/4" X 1/8"

REFER TO SHEET 15 FOR VARIOUS INSTALLATION CONDITIONS

OPTIONAL SLANT SILL ADAPTORS

SILL RISER

OPTIONAL FOR LOADS ABOVE +60 PSF

SILL RISER

OPTIONAL FOR LOADS ABOVE +60 PSF

POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK, NON-METALLIC
f’c = 5000 PSI MIN.
NOT TO BE MIXED
MUST TRANSFER SHEAR LOADS TO STRUCTURE

TWO (2) TRACK DOOR DETAILS
TYPICAL ANCHORS
SEE ELEV. FOR SPACING

1/2" MAX.
LOAD BEARING
SHIM

CONCRETE
MASONRY

EDGE DIST.
1 1/2 A/A

1/8" MAX.
LOAD BEARING
SHIM

CONCRETE
MASONRY

EDGE DIST.

1BY WOOD BUCKS
SEE NOTE SHEET 1

10 X 1-1/4" SS PH SMS
1 PER CLIP

10 X 1-1/4" SS PH SMS
1 PER CLIP

INTERLOCK
(REINFORCED)

NOM. PANEL WIDTH

DOOR FRAME WIDTH

EXT.

DOOR FRAME WIDTH

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

2BY WOOD BUCK OR
WOOD STRUCTURE
SEE NOTE SHEET 1

1/2" MAX.
LOAD BEARING
SHIM

CONCRETE
MASONRY

EDGE DIST.

1/4" MAX.
LOAD BEARING
SHIM

METAL
STRUCTURE

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

10 X 1-1/4" SS PH SMS
1 PER CLIP

3 PER PANEL
AT 18" FROM EACH END AND AT MIDSPAN

8 X 3/4" SS FH SMS
1 PER CLIP

MAR 05 2018

TWO (2) TRACK DOOR DETAILS

DRAWING NO.
W10-31

STATE OF
FLORIDA

REVISION: NO REVISIONS
STATE OF FLORIDA

Licence No. 76982
SEE SHEET 15 FOR ANCHORS

POURED & HARDENED HIGH STRENGTH GROUT NON-SHRINK, NON-METALLIC
FEA = 7000 PSI MIN.
NOT TO BE APPLIED TO STRUCTURE.

SILL RISER REQ'D. FOR LOADS ABOVE 60 PSF

OPTIONAL SLANT SILL ADAPTORS

DECORATIVE SILL COVER OPTIONAL

REFER TO SHEET 15 FOR VARIOUS INSTALLATION CONDITIONS.

WEEP SIZE 1/4" X 1/8"

FOUR (4) TRACK DOOR DETAILS
FOUR (4) TRACK DOOR DETAILS

1/4" MAX.
LOAD BEARING SHIM

1/2" MAX.
LOAD BEARING SHIM

1X8 OR LARGER WOOD BUCKS

2X8 OR LARGER WOOD BUCK OR WOOD STRUCTURE

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

CONCRETE
GRANULITE

D.O.

M19

M14A

M14A

M14A-M14B

M14B-M14A

G2

G6

G1

L1

L2

L3

M1

M16

M16

M16

M16

EXTERIOR

DOOR FRAME WIDTH

DOOR FRAME WIDTH

2 5/8"

1X8 OR LARGER WOOD BUCKS

3 PER PANEL AT 18" FROM EACH END AND AT MIDSPAN

#10 X 1-1/4" SS PH Sems 1 PER CLIP

#8 X 3/4" SS FH Sems 1 PER CLIP

PRODUCTS RECOMMENDED TO COMPLY WITH THE FLORIDA BUILDING CODE.

EXPIRATION DATE: 07/17/2023

A.J. Ahmad, FAE
Metal Sales Products Co.
TYPICAL AT PANEL 4 CORNERS

EXTERIOR MOUNTED POCKETED JAMB

TYPICAL ANCHORS
TYPE A, B OR C
AT 8" FROM ENDS AND
9" O.C. INTO WOOD/CONC./METAL
6" O.C. INTO BLOCK ONLY
1-1/2" MIN. WOOD EMBED
1-1/2" MIN. BLOCK EMBED
1-3/4" MIN. CONC. EMBED
1/8" MIN. METAL THICKNESS

CONC.
BLOCK
WOOD
METAL

SEALANT
1-1/8" MIN.
EDGE DIST.

POCKET CAVITY NOT BY CGI
NOT PART OF THIS HOA
TO BE REVIEWED BY AHJ

DOOR FRAME WIDTH

NOM. PANEL WIDTH

EXTERIOR
<table>
<thead>
<tr>
<th>CODE</th>
<th>PART No.</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>MANUF.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>C01-183</td>
<td>FRAME SILL 2 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E2</td>
<td>C01-151</td>
<td>FRAME JAMB 2 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E3</td>
<td>C01-186</td>
<td>FRAME HEAD 2 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E4</td>
<td>C01-153</td>
<td>EXTERIOR INTERLOCK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E5</td>
<td>C01-154</td>
<td>INTERIOR INTERLOCK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E6</td>
<td>C01-155</td>
<td>MAIN STILE</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E7</td>
<td>C01-158</td>
<td>TOP &amp; BOTTOM MIRIZ</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E8</td>
<td>C01-157</td>
<td>SILL RISER</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E9</td>
<td>C01-181</td>
<td>ALT. SILL RISER (OPTIONAL)</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>E10</td>
<td>C01-159</td>
<td>INTERLOCK REINFORCING (LENGTH = FRAME HT. – 8&quot;)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E11</td>
<td>C01-182</td>
<td>FRAME SILL 3 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E12</td>
<td>C01-161</td>
<td>FRAME JAMB 3 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E13</td>
<td>C01-185</td>
<td>FRAME HEAD 3 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E14</td>
<td>C01-168</td>
<td>OUTER TRACK ASTRAGAL</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E15</td>
<td>C01-170</td>
<td>POCKET HOOK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E16</td>
<td>C01-121</td>
<td>7/16&quot; GLASS GLAZING BEAD</td>
<td>6063-75</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E17</td>
<td>C01-123</td>
<td>1&quot; GLASS GLAZING BEAD</td>
<td>6063-75</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E18</td>
<td>C01-15A</td>
<td>EXTERIOR INTERLOCK (OPTIONAL)</td>
<td>6065-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E19</td>
<td>C01-154</td>
<td>INTERIOR INTERLOCK (OPTIONAL)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E20</td>
<td>C01-155</td>
<td>MAIN STILE (OPTIONAL)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E21</td>
<td>C01-156A</td>
<td>TOP &amp; BOTTOM MIRIZ (OPTIONAL)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E22</td>
<td>C01-158A</td>
<td>ASTRAGAL (OPTIONAL)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E23</td>
<td>C01-168A</td>
<td>OUTER-TRACK ASTRAGAL (OPTIONAL)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E24</td>
<td>C01-170A</td>
<td>DECOorative SILL COVER (OPTIONAL)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E25</td>
<td>C01-184</td>
<td>2, 3 &amp; 4 TRACK FRAME SILL SCREW COVER</td>
<td>6063-75</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E26</td>
<td>C01-187</td>
<td>2, 3 &amp; 4 TRACK FRAME HEAD SCREW COVER</td>
<td>6063-75</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E27</td>
<td>C01-188</td>
<td>FRAME JAMB SCREW COVER (OPTIONAL)</td>
<td>6063-75</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E28</td>
<td>C01-1028</td>
<td>FRAME HEAD 4 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E29</td>
<td>C01-1029</td>
<td>FRAME SILL 4 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E30</td>
<td>C01-1030</td>
<td>FRAME JAMB 4 TRACK</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E31</td>
<td>C01-1057</td>
<td>FEMALE CORNER ADAPTOR (90°)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E32</td>
<td>C01-1058</td>
<td>FEMALE CORNER ADAPTOR (120°)</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>E33</td>
<td>C01-1059</td>
<td>MALE CORNER ADAPTOR</td>
<td>6063-76</td>
<td>CGI EXTRUDER</td>
<td>--</td>
</tr>
<tr>
<td>M1</td>
<td>C01-382V</td>
<td>GLAZING BULB VINYL (DIAMETER 75–80 SHORE A)</td>
<td>PVC</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>M2</td>
<td>C01-171C</td>
<td>FIXED PANEL CLIP (2-1/2&quot; LONG)</td>
<td>6063-75</td>
<td>--</td>
<td>3 Ø FIXED PANEL</td>
</tr>
<tr>
<td>M3</td>
<td>C01-173</td>
<td>FIXED PANEL SHIM</td>
<td>NYLON</td>
<td>--</td>
<td>2 PER FIXED PANEL</td>
</tr>
<tr>
<td>M10</td>
<td>C01-176</td>
<td>FRAME HEAD ANCHOR &amp; PAD PILE</td>
<td>WOOL/ NYLON SULLIAN</td>
<td>--</td>
<td>1 PER INTERLOCK/ASTR.</td>
</tr>
<tr>
<td>M11</td>
<td>W2301NG</td>
<td>PILE WITH CENTER FIN</td>
<td>WOOL</td>
<td>ULTRAFAB OR EQUIV.</td>
<td>--</td>
</tr>
<tr>
<td>M12</td>
<td>--</td>
<td>BOTTOM RAIL STIFFENER, 1&quot; LONG, 2 AT EACH END</td>
<td>ALUMINUM</td>
<td>CGI EXTRUDER</td>
<td>4 PER BOTTOM RAIL</td>
</tr>
<tr>
<td>M13</td>
<td>TX-S1-PR5-150-2CS</td>
<td>ROLLER ASSEMBLY AT PANELS WITHOUT CORNERS</td>
<td>ST/ST</td>
<td>AMSbury</td>
<td>2 PER OPERABLE PANEL</td>
</tr>
<tr>
<td>M13A</td>
<td>TX-S1-PR5-150-2CS</td>
<td>ROLLER ASSEMBLY AT CORNER PANELS</td>
<td>ST/ST</td>
<td>AMSbury</td>
<td>2 PER OPERABLE PANEL</td>
</tr>
<tr>
<td>M14</td>
<td>SGD-500</td>
<td>DUAL MORTISE LOCK</td>
<td>ST/ST</td>
<td>AMSbury</td>
<td>ATTACHED TO SGD-503</td>
</tr>
<tr>
<td>M14A</td>
<td>SGD-500-117</td>
<td>DUAL MORTISE LOCK</td>
<td>ST/ST</td>
<td>INTERLOCKS</td>
<td>ATTACHED TO M16A</td>
</tr>
<tr>
<td>M15</td>
<td>SGD-507</td>
<td>KEEPER</td>
<td>ZINC</td>
<td>SULLIAN</td>
<td>INST. W/ #10X3/4&quot; PH</td>
</tr>
<tr>
<td>M15A</td>
<td>SGD-507-117</td>
<td>KEEPER</td>
<td>ZINC</td>
<td>INTERLOCKS</td>
<td>INST. W/ #10X3/4&quot; PH</td>
</tr>
<tr>
<td>M16</td>
<td>SGD-503</td>
<td>RECESSED ADAPTOR</td>
<td>ZINC</td>
<td>SULLIAN</td>
<td>INST. W/ #10X3/4&quot; PH</td>
</tr>
<tr>
<td>M16A</td>
<td>SGD-503-117</td>
<td>RECESSED ADAPTOR</td>
<td>ZINC</td>
<td>INTERLOCKS</td>
<td>INST. W/ #10X3/4&quot; PH</td>
</tr>
<tr>
<td>M17</td>
<td>SGD-5500</td>
<td>HANDLE SET</td>
<td>ZINC</td>
<td>SULLIAN/LG. INTERLOCKS</td>
<td>--</td>
</tr>
<tr>
<td>M18</td>
<td>SGD-3000H</td>
<td>HANDLE SET OPTIONAL</td>
<td>ZINC</td>
<td>SULLIAN</td>
<td>--</td>
</tr>
<tr>
<td>M19</td>
<td>SGD2000 SUFRUP SEALANT</td>
<td>SILICONE</td>
<td>GE</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>M20</td>
<td>C01-177</td>
<td>PANEL TOP &amp; BOTTOM DUST PIL</td>
<td>WOOL/PVC</td>
<td>SULLIAN OR EQUIV.</td>
<td>4 PER PANEL</td>
</tr>
<tr>
<td>M21</td>
<td>WS-202</td>
<td>HEAD AND SILL SMALL PILE PAD</td>
<td>WOOL</td>
<td>ULTRAFAB OR EQUIV.</td>
<td>1 PER INTERLOCK/ASTR.</td>
</tr>
<tr>
<td>M22</td>
<td>WS-201</td>
<td>SILL INTERLOCK PILE PAD</td>
<td>WOOL</td>
<td>ULTRAFAB OR EQUIV.</td>
<td>--</td>
</tr>
<tr>
<td>M23</td>
<td>HD-12-10042</td>
<td>360° REACH PECKET SEAL</td>
<td>--</td>
<td>AMSbury</td>
<td>--</td>
</tr>
<tr>
<td>S2</td>
<td>--</td>
<td>10 X 1 1/4&quot; LG. PH. SMS. ST/ST. ASSEMBLY SCREW</td>
<td>--</td>
<td>--</td>
<td>2 OR 3 PER CORNER</td>
</tr>
</tbody>
</table>

**SINGLE LOCK:** FOR ALL PANELS WITHOUT CORNERS

TWO POINT LOCK BY 'SULLIAN' OR 'INTERLOCK' LOCATED AT MAIN STILE AT 40" FROM BOTTOM

SS MORTISE LOCK (PART #SDG-500) (PS01-0036-117)

ZINC RECESSED ADAPTOR (PART #SDG-503) (PS01-0036-117)

ZINC HANDLE SET (PART #SM5500) & (PART #SM2000H)

ZINC KEEPER (PART #SGD-507) (PART #SGD-507N)

**DOUBLE LOCKS:** REGD. AT 90° AND 135° CORNER PANELS ONLY

TWO POINT LOCKS LOCATED AT MAIN STILE AT 40" AND 78" FROM BOTTOM

SS MORTISE LOCKS WITH RECESSED ADAPTORS (PART #HD-331014)

SECURED WITH (2) 10–24 X 1 1/2" FH SCREWS

BOTTOM LOCK ACTIVATES TOP LOCK WITH A MECHANICALLY ATTACHED CONNECTING BAR (PART #HD-331014)

ZINC HANDLE SET

SECURED WITH (2) 6–3 X 1–1/2" OH MS

STEEL KEEPER (PART #HD-331013)

SECURED WITH (4) 10–24 X 1 1/2" PH THREAD FORMING SCREWS

MAR 05 2018