E.S. Windows, LLC
3550 N. W. 49th Street
Miami, FL 33142

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 “6500-3 Tracks” Aluminum Sliding Glass Doors w/wo HR & w/wo reinforcements-LMI

APPROVAL DOCUMENT: Drawing No. W17-78 Rev A, titled “Series 6500 3-Track Alum Sliding GL Door (LMI)”, sheets 1 through 16 of 16 (include sheets 6.1 & 10.1), prepared by Al-Farooq Corporation, dated 08-30-17 and last revised on FEB 21, 2018, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:
1. See SGD w/wo Head Receptor (HR) Design Pressures (DP) Vs. Reinforcements & glazing options in sheet 4. See sheet 2 for SGD elevation without HR and anchors capacity charts in sheet 5 at Head & at sill. Lower DP controls.
2. See sheet 3 for SGD elevation w/ HR doors and Head/sill anchors capacity charts in sheet 5. The max Exterior Positive DP not to exceed = +120.0 PSF, all the cases. See max frame area limitations in elevations sheet 2 & 3.
3. See sheet 6 (un-reinforced operable & Fixed panel) & 6.1 (re-inf exterior fixed panels & operable interior). See sheet 12 with free jamb installation for un-reinf & reinforced panels using sheets 6 & 6.1 door configurations. Corner anchors at head/sill, along with intermediate, per sheets 1 & 2 are required.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, BARRANQUILLA, COLOMBIA 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 consist of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 17-0505.02
Expiration Date: March 28, 2023
Approval Date: March 28, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections
2. Drawing No. W17-78 Rev A, titled “Series 6500 3-Track Alum Sliding GL Door (LMI)”, sheets 1 through 16 of 16 (include sheets 6.1 & 10.1), prepared by Al-Farooq Corporation, dated 08-30-17 and last revised on FEB 21, 2018, 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) 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 OXXXXO & XXX aluminum sliding glass door (3-tracks), prepared by Fenestration Testing Laboratories, Test Report No. FTL-9548 (FTL 17096), dated 06/06/2017, signed and sealed by Idalmis Ortega, P.E.
2. Additional 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 OXXXO aluminum sliding glass door (2-tracks), prepared by Fenestration Testing Laboratories, Test Report No. FTL-7130 (FTL 12093), dated 04/05/13 and last revised on 09-12-13, signed and sealed by Marlin D. Brinson, P.E.
3. Additional 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 OXXXO aluminum SGD (2-tracks), prepared by Fenestration Testing Laboratories, Test Report No. FTL-6990 (FTL12051), dated 08/06/12, signed and sealed by Marlin D. Brinson, P.E.
4. Additional reference test report #BT-ESW-15-005 (Items #2, #3 & #4 submitted under files #15-0602.07 & #13-0115.05)

C. CALCULATIONS
2. Glazing complies w/ ASTME-1300-02, -04 & -09.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0505.02
Expiration Date: March 28, 2023
Approval Date: March 28, 2018

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

E. MATERIAL CERTIFICATIONS
   2. Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for "Trofosil, ultra-clear & color" (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 03-20-18, signed and sealed by Javad Ahmad, P.E.
   2. Lab compliance as part of the above referenced test report.

G. OTHER
   1. This 3-track NOA is supplemented by 2-Tracks Alum SGD from NOA(s) #15-0602.07 & #13-0115.05.
   2. ES Windows Distribution agreement -Energia Solar, S.A. and ES Windows, LLC, dated 09/12/13, signed by Ms. Adriana Montoya, Manager and Andres Chamorro, General manager respectively on behalf of the companies.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0505.02
Expiration Date: March 28, 2023
Approval Date: March 28, 2018
DAYLITE OPENINGS WIDTHS:
FIXED STILE–INTERLOCK = PANEL WIDTH = 7.437" 
INTERLOCK–ASTRALAGAL = PANEL WIDTH = 6.375" 
LOCK STILE–INTERLOCK = PANEL WIDTH = 7.127" 
DAYLITE OPENING HEIGHT:
PANEL HEIGHT – 7.375" 
PANEL HEIGHT = DOOR FRAME HEIGHT = 1.750" (W/O RECEPTOR) 
PANEL HEIGHT = OVERALL HEIGHT = 3.500" (WITH RECEPTOR)

INSTRUCTIONS:
USE CHARTS AS FOLLOWS.

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

STEP 2 DETERMINE DOOR CAPACITY FROM TABLES ON SHEET 4 FOR THE GLASS TYPE AND REINFORCEMENT TO USE.

STEP 3 USING CHARTS ON SHEET 5 FOR HEAD (W/O W/O RECEPTOR) AND SILL ANCHORS 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.

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

SERIES ES–6500–3 TRACK
ALUMINUM SLIDING GLASS DOOR
THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
BY OR BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE 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 ARE IN CONTACT WITH OTHER DISMISABLE MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2014/2017 FLORIDA BLDG. CODE–ADOPTED STANDARDS.
THESE PRODUCTS ARE GENERIC AND DO 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 INTRUSION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

GLAZING OPTIONS
3/8" AIR SPACE CONSISTING OF:
SPACERS:
"HELM" LOW PROFILE ALUMINUM SPACER
BY LINDERMANN GmbH
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
DOW CORNING 791
GE 2000

APPROVED AS COMPLYING WITH THE
FLORIDA BUILDING CODE
DRAFT 5-1-17, DBE 17-519
NOAAA Miami Dade Product Central

LAMINATED GLASS INSUL. LAM. GLASS LARGE MISSILE IMPACT 3 TRACK SQG SYSTEM

FEB 13 2019
HEAD ANCHORS AT INTERLOCK/ASTRALGAL ENDS CLUSTER OF 8, 9 OR 11 SEE SHEET 5 FOR CAPACITY

HEAD ANCHORS AT FREE STANDING JAMB CLUSTER OF 4, 5 OR 6 SEE SHEET 5 FOR CAPACITY

HEAD ANCHORS WITHOUT RECEPTOR

DOOR FRAME WIDTH

REINFORCMENTS SEE SHEETS 6 & 6.1

FLL ANCHORS AT INTERLOCK/ASTRALGAL ENDS CLUSTER OF 8, 9 OR 11 SEE SHEET 5 FOR CAPACITY

TYPICAL ELEVATION (TESTED)
OXX-XXO (DOORS WITHOUT HEAD RECEPTOR)
MAX. FRAME AREA NOT TO EXCEED 235.1 SQ. FT.

FEB 2 1 2018

Approved as complying with the
Florida Building Code
Date: 3/15/12
NO. 00045835
Miami Dade Product Control

By

W17-78
sheet 2 of 16
TYPICAL ELEVATION (TESTED)

OXX—XXO (DOORS WITH HEAD RECEPTOR)

MAX. FRAME AREA NOT TO EXCEED 235.9 SQ. FT.

Approved in compliance with the Florida Building Code.

Date: 2/17/90

NOA#: 17-90-1

Miami Dade Product Control

By: 

FEB 21 2018

W17-78

Sheet 3 of 16
### DESIGN LOAD CAPACITY – PSF (WITH OR WITHOUT HEAD RECEPTOR)

<table>
<thead>
<tr>
<th>PANEL WITH INCHES</th>
<th>DOOR FRAME HEIGHT INCHES</th>
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<th>WITH REINFORCING</th>
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**Chart Above Shows Frame Heights for Doors Without Head Recepto.**

For Doors with Head Receptors Overall Height = Door Frame HT. From Chart – 2".

Door Height and Width Size Must Comply with the Egress Requirements per FBC as Required.

**Note:**

Glass Capacities on This Sheet Are Based on ASTM E1300–09 (3 Sec. Gusts) and Florida Building Commission Declaratory Statement DC-05-DEC-219.
<table>
<thead>
<tr>
<th>ANCHOR TYPE</th>
<th>ANCHOR TYPE 'A'</th>
<th>ANCHOR TYPE 'B'</th>
<th>ANCHOR TYPE 'C'</th>
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<td>3/8&quot; MAX. SHIM</td>
<td>1/4&quot; SHIM</td>
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HEAD ANCHOR LOAD CAPACITY - PSF (DOORS WITHOUT HEAD RECEPTOR) (APPLICABLE TO SHEET 2 ELIMINATION)

CHART ABOVE SHOWS FRAME HEIGHTS FOR DOORS WITHOUT HEAD RECEPTOR.

LIMIT ALL EXTERIOR LOADS TO +120.0 PSF MAX. FOR REINFORCED SGD SYSTEM PER SHEETS 4 & 6

LIMIT ALL EX. INT. LOADS TO 3850 PSF MAX. FOR UN-REINFORCED SGD SYSTEM PER SHEETS 4 & 6.1

Approved as complying with the Florida Building Code Date: 2/2/85 11:15 AM By: Raul Rosello, Miami Design Product Ctr. (786) 436-7166
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 4.
3. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 11.

3-TRACKS UN-REINFORCED S.G.D.

APPROVED CONFIGURATIONS
MAX. 6 PANELS OR LESS
MAX. FRAME AREA NOT TO EXCEED 236.1 SQ. FT. (DOORS WITHOUT HEAD RECEPTORS)
MAX. FRAME AREA NOT TO EXCEED 235.9 SQ. FT. (DOORS WITH HEAD RECEPTORS)

Approved as complying with the
Florida Building Code
Date: 2-1-92
DOAM: 11-325
Nissan Blinds Product Catalog

By: [Signature]

FEB 2 1 2018

Sheet 6 of 16
3-TRACKS REINFORCED S.G.D.

Approved as complying with the Florida Building Code

Date: 2/24/18

Miami Code Product Control

FEB 21 2018

3-TRACKS REINFORCED S.G.D.

NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES AND REINFORCEMENTS REQUIREMENTS SEE SHEET 4.
3. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 11.
UNITS WITHOUT HEAD RECEPTORS

(SEE SHEET 9 WITH HEAD RECEPTOR)

WEEPHOLES:

W1 = 1/2" LONG WEEP NOTCHES
    (1) AT 7" FROM EACH END
    (2) AT MIDSPAN AT 16" O.C.

W2 = 1/2" LONG WEEP NOTCHES
    (1) AT 10" FROM EACH END
    (2) AT MIDSPAN AT 16" O.C.
1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WINDOWS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'—
5/16" DIA. ULTRACON BY 'ELCO'

(= Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY WOOD BUCKS INTO CONCRETE
1-3/8" MIN. EMBED INTO CONCRETE

TYPE 'B'—
5/16" DIA. ULTRACON BY 'ELCO'

(= Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED

TYPE 'C'—
5/16" DIA. TEKS OR SELF DRILLING SCREWS

(GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-15 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(Steel in contact with aluminum to be plated or painted)

AT SILL (FOR DOORS W/O HEAD RECEPTOR)

TYPE 'BB'—
5/16" DIA. ULTRACON BY 'ELCO'

(= Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE
1-1/2" MIN. EMBED

AT JAMBS (FOR DOORS WITH OR WITHOUT HEAD RECEPTOR)

5/16" DIA. ULTRACON BY 'ELCO'

(= Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY WOOD BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE OR BLOCKS
DIRECTLY INTO CONCRETE OR BLOCKS
1-1/2" MIN. EMBED INTO CONCRETE
1-1/4" MIN. EMBED INTO BLOCKS

5/16" DIA. TEKS OR SELF DRILLING SCREWS

(GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR INTO METAL STRUCTURES
(3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-15 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(Steel in contact with aluminum to be plated or painted)

ANCHOR EDGE DISTANCES:

INTO CONCRETE (A) = 1-3/8" MIN. (EXT. OR INT. TRACKS AT HEAD/SILL)
INTO CONCRETE (B) = 2-1/2" MIN. (MIDDLE TRACK AT HEAD/SILL)
INTO MASONRY = 2" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.
WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS Fc = 3000 PSI MIN.
C=90 HOLLOW/FILLED BLOCK AT JAMBS Fm = 2000 PSI MIN.
UNITS WITH HEAD RECEPTORS
HEAD RECEPTOR MOUNT SHOWN,
SEE ELEVATION ON SHEET 3,
DESIGN LOAD CAPACITY ON SHEET 4,
AND ANCHOR CAPACITY CHART IN SHEET 5

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD (FOR DOORS WITH RECEPTOR)

TYPE 'D' - 5/16" DIA. ULTRACON BY 'ELDO'  (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED
5/16" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES
(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 CONCRETE (A) = 1-3/8" MIN. (EXT. OR INT. TRACKS AT HEAD/SILL)
INTO CONCRETE (B) = 2-1/2" MIN. (MIDDLE TRACK AT HEAD/SILL)
INTO METAL STRUCTURE = 1-1/2" MIN.
CONCRETE AT HEAD/SILL f'c = 3000 PSI MIN.
3-TRACKS UN-REINFORCED S.G.D.
3-TRACKS REINFORCED S.G.D.
<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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<tr>
<td>E1</td>
<td>ES-6500-005</td>
<td>2/</td>
<td>PANEL</td>
<td>6063-T6</td>
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<td>E2</td>
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<td>E3</td>
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<td>E4</td>
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<td>ASTRAGAL ADAPTER</td>
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<td>E5</td>
<td>ES-6500-012</td>
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<td>SNAP-IN JAMB COVER (OPTIONAL)</td>
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<tr>
<td>E6</td>
<td>ES-6500-013</td>
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<td>TRACK INSERT</td>
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<td>E6A</td>
<td>ES-6500-014A</td>
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<td>RETAINER ANGLE, 2° LONG</td>
<td>6063-T6 AT INTERLOCK LOCATIONS</td>
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<td>E7</td>
<td>ES-6500-016</td>
<td>AS REQ.</td>
<td>ASTRAGAL REINFORCEMENT, FULL PANEL LENGTH</td>
<td>6065-T5</td>
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<td>E8</td>
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<td>INTERLOCK STILE (INSUL. LAM. GLASS)</td>
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<td>E9</td>
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<td>E10</td>
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<td>E11</td>
<td>ES-6500-024A</td>
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<td>PANEL</td>
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<tr>
<td>E12</td>
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<td>PANEL</td>
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<td>E13</td>
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<td>ASTRAGAL STILE (INSUL. LAM. GLASS)</td>
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<td>E13A</td>
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<td>ASTRAGAL STILE (INSUL. LAM. GLASS)</td>
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<tr>
<td>E13B</td>
<td>ES-6500-033</td>
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<td>FIX. PANEL</td>
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<td>E14</td>
<td>ES-4500-050</td>
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<td>FRAME HEAD AT RECEPTOR</td>
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<tr>
<td>E15</td>
<td>ES-4500-051</td>
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<td>FRAME SILL</td>
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<tr>
<td>E16</td>
<td>ES-4500-052</td>
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<td>FRAME JAMB</td>
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<tr>
<td>E17</td>
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<td>HEAD RECEPTOR</td>
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<td>E18</td>
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<td>RECEPTOR REINFORCEMENT, FULL LENGTH</td>
<td>6063-T6</td>
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<tr>
<td>E19</td>
<td>ES-4500-055</td>
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<td>FRAME HEAD</td>
<td>6063-T6</td>
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<td>E20</td>
<td>ES-4500-028</td>
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<td>SILL RISER</td>
<td>6063-T5</td>
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<tr>
<td>E21</td>
<td>ES-CT-001A</td>
<td>AS REQ.</td>
<td>FIX. PANEL CLIP, 4&quot; LONG, AT 1/3 POINTS</td>
<td>6063-T5</td>
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<tr>
<td>M1</td>
<td>ES-6500-001A</td>
<td>4/</td>
<td>PANEL</td>
<td>DURIMETER 65±5 SHORE A, EXTRUSIONS S.A.</td>
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<tr>
<td>M4</td>
<td>4013A</td>
<td>4/</td>
<td>PANEL</td>
<td>DURIMETER 65±5 SHORE A, EXTRUSIONS S.A.</td>
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<tr>
<td>M5</td>
<td>4014A</td>
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<td>BOTTOM RAIL GLAZING GASKET</td>
<td>DURIMETER 65±5 SHORE A</td>
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<tr>
<td>M6</td>
<td>ES-4018A</td>
<td>AS REQ.</td>
<td>GLAZING GASKET</td>
<td>DURIMETER 75±5 SHORE A</td>
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<tr>
<td>M7</td>
<td>ES-8011A</td>
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<td>SPACE RATER</td>
<td>DURIMETER 85±5 SHORE A</td>
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<tr>
<td>M8</td>
<td>ES-5008A</td>
<td>AS REQ.</td>
<td>RUBB W/STRIPPING</td>
<td>DURIMETER 65±5 SHORE A</td>
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<tr>
<td>M9</td>
<td>E-214</td>
<td>AS REQ.</td>
<td>ASTRAGAL ADAPTER W/STRIPPING</td>
<td>VINYL THERMOPLASTIC ELASTOMER, DURIMETER 65±5 SHORE A</td>
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<tr>
<td>M10</td>
<td>1/4&quot; X 1/2&quot;</td>
<td>AS REQ.</td>
<td>GLAZING TAPE (INSUL. LAM. GLASS)</td>
<td>FOAM</td>
<td>-</td>
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<tr>
<td>M11</td>
<td>ES-7530-001A</td>
<td>2/</td>
<td>LITE</td>
<td>DURIMETER 80±5 SHORE A</td>
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<tr>
<td>M12</td>
<td>Q000100</td>
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<td>FABRIC COATED FOAM WEATHERSEAL</td>
<td>Q-LONG</td>
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<tr>
<td>M13</td>
<td>Q200100</td>
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<td>JAMB W/STRIPPING</td>
<td>POLYETHYLENE Q-LONG</td>
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<tr>
<td>M14</td>
<td>Q200190</td>
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<td>ASTRAGAL W/STRIPPING</td>
<td>POLYETHYLENE Q-LONG</td>
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<tr>
<td>M15</td>
<td>Q100720</td>
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<td>INTERLOCK W/STRIPPING</td>
<td>POLYETHYLENE Q-LONG</td>
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<tr>
<td>M16</td>
<td>W223012X</td>
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<td>PILE W/STRIPPING</td>
<td>POLYPROPYLENE</td>
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<td>M17</td>
<td>W22222W</td>
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<td>PILE W/STRIPPING AT INTERLOCK</td>
<td>POLYPROPYLENE</td>
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<tr>
<td>M18</td>
<td>PE004 AFK</td>
<td>-</td>
<td>ADHESIVE PILE PAD (4&quot; X 1&quot; X 1/2&quot;)</td>
<td>ULTRAFAB</td>
<td>-</td>
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<tr>
<td>M19</td>
<td>GT-234/460-02-A</td>
<td>2/</td>
<td>PANEL</td>
<td>ROLLER</td>
<td>-</td>
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<tr>
<td>M20</td>
<td>66000-001</td>
<td>-</td>
<td>ROLLER SCREW CAP</td>
<td>PVC</td>
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<tr>
<td>M21</td>
<td>PS01-1005-008</td>
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<td>MORTISE LOCK KEEPER</td>
<td>INTERLOCK</td>
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<tr>
<td>M22</td>
<td>PS01-0355-008</td>
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<td>TWO POINT 3-PLY HOOK LOCK</td>
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<tr>
<td>M23</td>
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<td>WOV. PANEL</td>
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<tr>
<td>M27</td>
<td>#12 X 1 1/2&quot;</td>
<td>4/</td>
<td>CORNER</td>
<td>FRAME ASSEMBLY SCREWS</td>
<td>ST. STEEL P.H. SMS</td>
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<tr>
<td>M28</td>
<td>#12 X 1 3/4&quot;</td>
<td>4/</td>
<td>CORNER</td>
<td>FRAME ASSEMBLY SCREWS</td>
<td>ST. STEEL P.H. SMS</td>
</tr>
<tr>
<td>M29</td>
<td>#10 X 1 1/2&quot;</td>
<td>4/</td>
<td>CORNER</td>
<td>FRAME ASSEMBLY SCREWS</td>
<td>ST. STEEL P.H. SMS</td>
</tr>
<tr>
<td>M30</td>
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<td>2/</td>
<td>CORNER</td>
<td>FRAME ASSEMBLY SCREWS</td>
<td>ST. STEEL P.H. SMS</td>
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<tr>
<td>M31</td>
<td>#8 X 1 1/2&quot;</td>
<td>2/</td>
<td>CLIP</td>
<td>ROLLER FASTENERS</td>
<td>ST. STEEL F.H. SMS</td>
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<tr>
<td>M32</td>
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<td>2/</td>
<td>CLIP</td>
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<td>ST. STEEL F.H. SMS</td>
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<td>CLIP</td>
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<td>CLIP</td>
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<td>ST. STEEL F.H. SMS</td>
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<td>M35</td>
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<td>ASTRAGAL ADAPTER FASTENERS</td>
<td>ST. STEEL P.H. SMS</td>
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</tbody>
</table>

**SEALANT:**
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

**LOCK:**
SURFACE MOUNT METALLIC HANDLE AT 43-1/4" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) #8 X 3/4" PH SMS
SURFACE MOUNT METALLIC KEEPER AT 43-1/4" FROM BOTTOM FASTENED TO FRAME JAMB AND ASTRAGAL STILE WITH (3) #8 X 3/4" PH SMS

Approved as complying with the Florida Building Code

Mira Zadeh
Mira Zadeh Product Control

FEB 21 2010

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