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 “Lift & Slide” Wood Sliding Glass Doors – L.M.I.

Approval Document: Drawing No. 1321 Rev D, titled “Lift & Slide Wood Sliding Glass Impact Doors”, sheets 1 through 38 of 38, dated 04/04/09 and last revised on APR 07, 2015, prepared by W. W. Schafer Engineering & Consulting, P. A., signed and sealed by Warren W. Schafer, 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 and Small Missile Impact Resistant

Limitations:
1. See sheet 1 for locking points quantity requirements for hardware item #78 (FFI #255JH or GU-934 mechanism), any of the locking bolt item #83 (GU or FFI #LAR 25000012 secured w/ 3/16” X 3-1/8 screws or Hautau part # 184695) may be used. See the locking bolt item #83 (Hautau part # 184695) quantity requirement for Hardware item #79 (Hautau HS-300 or 300-E mechanism).
2. Electrical device is not part of this approval and must be reviewed by corresponding Building Authority. Any cavities for electrical device must fit in within tested cavities per test.
3. See Sheet 12 for 90° corner SGD. This condition is approved with Flush mount Sill only (see details sheets 28 thru 32). Flush Sill mount requires two (2) locking item #130 per operable panel. Also anchor clip mounting condition is not applicable with Flush Mount sill.
4. See glazing details in sheet 24. The max frame height with glass option 3 & 5 are 134-1/16” and the Frame height with glass option 1, 2 & 4 are limited to 98-1/16” max. The max allowable sash (panel) width = 62-7/16” and the max panel height = 129”. Doors must comply with min height and width per FBC requirements.
5. The frame area of alternate size unit shall not exceed the frame area of the tested approved unit per FBC 2411.3.2.4 (i) (1).
6. Only side jambs applicable to grouted CMU. Min Fy=126, 400 psi & Fu=158,000 psi (Redhead/TW Tapeon)

Labeling: Each unit shall bear a permanent label with the manufacturer’s name or logo, Kall/Eifel, Germany and series and following statement: “Miami-Dade County Product Control Approved”, noted herein.
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 # 15-0414.14 and consists of this page 1 and evidence page E-1 & E-2, 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 under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files # see below)

B. TESTS (Submitted under files #15-0414.14/#14-0429.07/#13-0717.11/#11-1024.14)

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 90 degree Lift and Slide wood glass doors w/ pocket, prepared by Architectural Testing, Test Report No. B-205.02-450-18, dated 07/02/2013, signed and sealed by Vinu J. Abraham, P. E.
(Note: This test report has addendum letter dated Nov 06, 2013, issued by Architectural Testing, signed and sealed by Vinu J. Abraham, 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 Lift and Slider with pocket, prepared by Hurricane Test Laboratory, LLC, Test Report No. HTL-0284-1009-07, dated 09/29/08, HTL-0284-0526-03, dated 03/14/2005, HTL-0284-1018-04, dated 03/14/2005, HTL-0284-1205-04, dated 03/14/2005, and HTL-0284-1113-01, dated 03/14/2005, all signed and sealed by Vinu J. Abraham, P. E. (Submitted under files #13-0717.11/# 11-1024.14, # 10-0504.03, #09-0423.01, #09-0423.02 and # 050812.06)

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2014 (5th Edition), dated APR 07, 2015, prepared, signed and sealed by Warren W. Schafer, P.E.
2. Glazing complies with ASTM-1300-02, -04 & -09.

D. QUALITY ASSURANCE

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

[Signature]
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0803.23
Expiration Date: November 24, 2020
Approval Date: November 02, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 12-1213.02 issued Eastman Chemical Company (MA) former Solutia Inc. for “Saflex Clear or colored glass interlayer”, expiring on 05/21/16.

F. STATEMENTS (Except items #1 & 2, all other submitted as listed below)
2. Statement letter, prepared by W. W. Schaefer Engineering & Consulting, P.A. dated April 07, 2015, of NOA Drawings, testing and calculation have been reviewed to 2014 FBC and found compliant and that No change to existing NOA documents are required, signed by Warren W. Schaefer, P.E.
5. Statement of compliance, issued as part of the above referenced test reports.
7. Distributor Agreement documents in conformance to BCCO guidelines dated April 23, 2009 signed by Christian Peetz, President of Helmut Peetz, GmbH, and by Eva Leon, V. P. of Peetz Windows And Doors, Inc. (Submitted under file # 10-0504.02)

G. OTHER
1. This NOA revises & renews NOA # 14-0429.07, expiring on 11/24/20.
2. Test Proposals dated June 06, 2013 via e-mail approved by Jaime D. Gascon, P.E. and test proposal # 06-0091, approved by BCCO.

2. New Evidence submitted

A. DRAWINGS

1. None.

B. TESTS

1. None

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0803.23
Expiration Date: November 24, 2020
Approval Date: November 02, 2017

E - 2
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS
   1. None

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 Co (MA) former Solutia
      Inc. for “Saflex Clear or colored interlayer”, expiring on 05/21/21.

F. STATEMENTS
   1. Statement letters of conformance to FBC 2017 (6th Edition) and still complies with FBC
      Consulting, P. A., signed and sealed by Warren W. Schafer, P.E.

G. OTHER
   1. This NOA revises NOA # 15-0414.14, expiring 11/24/2020

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0803.23
Expiration Date: November 24, 2020
Approval Date: November 02, 2017
256 1/16" MAX. FRAME WIDTH

15" MAX. O.C. AT SIDES

6" MAX.

5 1/2" MAX. D.L.O.

1 1/8" MAX. FRAME WIDTH (with glass options 1, 2, & 3)

1 1/4" MAX. FRAME WIDTH (with glass options 4 & 5)

6" MAX.

6" MAX.

119 7/8" MAX. O.C. D.L.O.

55 3/16" MAX. D.L.O.

EXTERIOR ELEVATION:
1 PANEL DEEP X-X DOOR WITH POCKETS

SCALE: 1/2" = 1'-0"

FOR SIMPLIFICATION, ONLY FRAME & SASH PROJECTION LINES ARE SHOWN FOR THESE ELEVATIONS

Frame screws or mounting clips where shown at meeting stile ends (4 anchors req'd when frame height is 100" or less or panel widths are 36" or less; 6 anchors req'd otherwise). See "frame anchor requirements table" on sheet 1 for requirements (mounting clips do not apply with flush mount sill).
FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN AT MEETING STILE ENDS (4 ANCHORS REQ'D WHEN FRAME HEIGHT IS 100" OR LESS OR PANEL WIDTHS ARE 36" OR LESS, 6 ANCHORS REQ'D OTHERWISE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY AT SILL WITH FLUSH MOUNT SILL).

EXTERIOR ELEVATION:
2 PANEL DEEP OX DOOR WITHOUT POCKETS
SCALE: 1/2" = 1'-0"
SEE APPROVED CONFIGURATIONS ON SHEET 13 FOR ADDITIONAL 2-DEEP PANEL CONFIGURATIONS

FOR SIMPLIFICATION, ONLY FRAME & SASH PROJECTION LINES ARE SHOWN FOR THESE ELEVATIONS

SILL LOCK BOLT (ONLY REQ'D WITH MOUNT SILL)
HEAVY DUTY HANGING BOLT
UP LOCKING MECHANISM
UP LOCKING MECHANISM
UP LOCKING MECHANISM
UP LOCKING MECHANISM
HEAVY DUTY HANGING BOLT
SILL LOCK BOLT (ONLY REQ'D WITH MOUNT SILL)
HEAVY DUTY HANGING BOLT
UP LOCKING MECHANISM
UP LOCKING MECHANISM
UP LOCKING MECHANISM
UP LOCKING MECHANISM
HEAVY DUTY HANGING BOLT
SILL LOCK BOLT (ONLY REQ'D WITH MOUNT SILL)
EXTERIOR ELEVATION:
2 PANEL DEEP OXDO DOOR WITHOUT POCKETS

SCALE: 1/2" = 1'-0"

SEE APPROVED CONFIGURATIONS ON SHEET 13 FOR ADDITIONAL 2-DEEP PANEL CONFIGURATIONS.

FOR SIMPLIFICATION, ONLY FRAME & SASH PROJECTION LINES ARE SHOWN FOR THESE ELEVATIONS.

APPlicable if meeting stile is an "Ox" condition.

FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY WITH FLUSH MOUNT SILL).
FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY AT SILL WITH FLUSH MOUNT SILL).

EXTerior ELEVATION:
2 PANEL DEEP XX DOOR WITH POCKET
SCALE: 1/2" = 1'-0"
SEE APPROVED CONFIGURATIONS ON SHEET 13 FOR ADDITIONAL 2-DEEP PANEL CONFIGURATIONS.

For simplification, only frame & sash projection lines are shown for these elevations.
**Exterior Elevation:**

3 Panel Deep OX5 Door without Pockets

Scale: 1/8" = 1'-0"

See Approved Configurations on Sheet 13 for Additional 3-Deep Panel Configurations

For simplification, only frame & sash projection lines are shown for these elevations.
FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY AT SILL WITH FLUSH MOUNT SILL).

FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN AT MEETING STILE ENDS (4 ANCHORS REQ'D) WHEN FRAME HEIGHT IS 100" OR LESS OR PANEL WIDTHS ARE 36" OR LESS, 6 ANCHORS REQ'D OTHERWISE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY WITH FLUSH MOUNT SILL).

EXTERIOR ELEVATION: 3 PANEL DEEP XXX DOOR WITHOUT POCKETS

SCALE: 1/2" = 1'-0"

SEE APPROVED CONFIGURATIONS ON SHEET 13 FOR ADDITIONAL 3-DEEP PANEL CONFIGURATIONS

FOR SIMPLIFICATION, ONLY FRAME & SASH PROJECTION LINES ARE SHOWN FOR THESE ELEVATIONS
FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN AT MEETING STILE ENDS (4 ANCHORS REQ'D WHEN FRAME HEIGHT IS 100" OR LESS OR PANEL WIDTHS ARE 36" OR LESS; 6 ANCHORS REQ'D OTHERWISE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY AT SILL WITH FLUSH MOUNT SILL).

EXTERIOR ELEVATION:
3 PANEL DEEP XXX DOOR WITH POCKET

SCALE: 1/2" = 1'-0"

SEE APPROVED CONFIGURATIONS ON SHEET 13 FOR ADDITIONAL 3-DEEP PANEL CONFIGURATIONS

FOR SIMPLIFICATION, ONLY FRAME & SASH PROJECTION LINES ARE SHOWN FOR THESE ELEVATIONS
FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN AT MEETING STILE ENDS (4 ANCHORS REQ'D WHEN FRAME HEIGHT IS 100" OR LESS OR PANEL WIDTHS ARE 36" OR LESS; 6 ANCHORS REQ'D OTHERWISE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY WITH FLUSH MOUNT SILL).

EXTERIOR ELEVATION:
3 PANEL DEEP XXXXX DOOR WITHOUT POCKETS

SCALE: N.T.S.

SEE APPROVED CONFIGURATIONS ON SHEET 13 FOR ADDITIONAL 3-DEEP PANEL CONFIGURATIONS.
EXTERIOR ELEVATION:
4 PANEL DEEP OXXX DOOR

SCALE: 1/2" = 1'-0"
SEE APPROVED CONFIGURATIONS ON SHEET 13 FOR ADDITIONAL 4-DEEP PANEL CONFIGURATIONS

FOR SIMPLIFICATION, ONLY FRAME & SASH PROJECTION LINES ARE SHOWN FOR THESE ELEVATIONS

FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN AT MEETING STILE ENDS (4 ANCHORS REQ'D WHEN FRAME HEIGHT IS 100" OR LESS OR PANEL WIDTHS ARE 36" OR LESS, 6 ANCHORS REQ'D OTHERWISE), SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY WITH FLUSH MOUNT SILL).
4 PANEL DEEP OXXXXXO DOOR

FOR SIMPLIFICATION, ONLY FRAME & SASH PROJECTION LINES ARE SHOWN FOR THESE ELEVATIONS

FRAME SCREWS OR MOUNTING CLIPS WHERE SHOWN AT MEETING STILE ENDS (4 ANCHORS REQ'D WHEN FRAME HEIGHT IS 100" OR LESS OR PANEL WIDTHS ARE 36" OR LESS; 6 ANCHORS REQ'D OTHERWISE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (MOUNTING CLIPS DO NOT APPLY WITH FLUSH MOUNT SILL).
**Exterior Elevation "A-A":**

- 2 Panel Deep Ox Door
- Scale: 1/2" = 1'-0"
2-PANEL DEEP CONDITIONS
- XO CONDITION
- XX CONDITION
- OXO CONDITION
- OXX CONDITION

3-PANEL DEEP CONDITIONS
- XX X CONDITION
- XOX CONDITION
- OXO CONDITION
- OXX CONDITION

4-PANEL DEEP CONDITIONS
- XOX X CONDITION
- OXX X CONDITION
- OXXO CONDITION
- OXXX Condition

CONDITIONS SHOWN ARE THE MAJORITY OF THOSE USED. OTHER CONDITIONS OF "O" & "X" PANELS APPLY PROVIDING THEY ARE WITHIN THE SCOPE OF THE DETAILS WITHIN THIS DRAWING.

1-PANEL DEEP CONDITIONS
- POCKET
- X CONDITION
- XX CONDITION

2-PANEL DEEP CONDITIONS
- POCKET
- X X POCKET
- XX CONDITION
- XXX CONDITION

3-PANEL DEEP CONDITIONS
- POCKET
- X X X POCKET
- XXX CONDITION
- XXXX CONDITION

ALL CONFIGURATIONS SHOWN ON THIS SHEET APPLY TO EITHER SIDE OF A CORNER UNIT EXCEPT THAT A POCKET IS NOT APPLICABLE AT THE 90 DEG. CORNER.

WHILE UP TO 4-PANEL DEEP CONDITIONS IN ONE OPENING ARE SHOWN, THERE IS NO LIMIT TO THE NUMBER OF PANELS IN DEPTH WHEN THE FLUSH MOUNT SILL IS USED (OVER 4-PANELS DEEP IS NOT APPLICABLE WHEN THE STANDARD SILL IS USED). MORE THAN 4-PANEL DEEP CONDITIONS WILL REQUIRE ONE OR MORE ADDITIONAL ROWS OF FRAME ANCHORS AND SHALL BE SUBJECT TO SEPARATE ENGINEER'S REVIEW AND CERTIFICATION.

DRAFT DATE: APR 7, 2015
SECTION
SCALE: 1/2 FULL
14

FRAME SCREW INSTALLATION SHOWN, SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

SECTION
SCALE: 1/2 FULL
14

FOR INSTALLATION & OTHER DETAIL NOT SHOWN, SEE SECTION A1/14

SECTION
SCALE: 1/2 FULL
14

FRAME SCREW INSTALLATION SHOWN, SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

FRAME SCREW INSTALLATION SHOWN, SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

FRAME SCREW INSTALLATION SHOWN, SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

FRAME SCREW INSTALLATION SHOWN, SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

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FRAME SCREW INSTALLATION SHOWN, SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

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FRAME SCREW INSTALLATION SHOWN, SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.
FRAME SCREW INSTALLATION SHOWN. SEE DETAILS ON SHEET 27 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.
ALTERNATE FLUSH MOUNT SILL DETAIL
(ALTERNATE TO SECTIONS J2/19 & J3/19)
(FOR INSTALLATION NOT SHOWN, SEE ALTERNATE SECTION J1 ON SHEET 29)

ALTERNATE FLUSH MOUNT SILL DETAIL
(ALTERNATE TO SECTIONS J4/20, J5/20 & J6/21)
(FOR INSTALLATION NOT SHOWN, SEE ALTERNATE SECTION J1 ON SHEET 29)

ALTERNATE FLUSH MOUNT SILL DETAIL
(ALTERNATE TO SECTIONS J7/21, J8/21, J9/22 & J10/22)
(FOR INSTALLATION NOT SHOWN, SEE ALTERNATE SECTION J1 ON SHEET 29)
Alternate Flush Mount Sill Detail
(Alternate to Section L1/24)

Frame Screw
Per Elevation

Alternate Flush Mount Sill Detail
(Alternate to Sections L2/25, L3/25 & L4/26)
(For installation not shown, see Alternate Section L1 on this sheet)

90 Degree Head Corner:
2 Panel to 2 Panel

90 Degree Head Corner:
3 Panel to 3 Panel

90 Degree Head Corner:
2 Panel to 3 Panel

90 Degree Head Corner:
3 Panel to 4 Panel

(4) 3/8" x 3 1/8" Dowels & Glued/Sealed with Bindan D4

All 90 Degree Head Corners:
(2) 3/8" x 3 1/8" x 3/16" Aluminum Plates,
(1) m6 x 7 1/2" Long Threaded Rod
and (2) m6 Nuts. All Wood Member Corner Surfaces are Glued/Sealed
with Bindan D4.
TUBE TO TUBE CONNECTIONS & PLATE TO TUBE SURFACES ARE JOINED WITH PARSON ADHESIVE'S PARTITE 7310 METACRYLATE ADHESIVE. THE ADHESIVE SHALL BE APPLIED TO THE FULL SURFACE OF THE END CONNECTIONS & THE MEETING SURFACES BETWEEN PLATES & TUBES.

FINISH FLOOR BY OTHERS

5/16" x 1 5/16" WEEP SLOTS LOCATED AT TOP PLATE, TUBING AND ROLLER TRACK COVER AS SHOWN (LOCATED AT EACH CROSSING DRAINAGE TUBES ITEM #123)

ALTERNATE FLUSH MOUNT SILL CORNER CONSTRUCTION DETAIL

#8 x 1/2" S.S. MACHINE SCREW (1 PER TUBE)

EXPLODED VIEW

THREE CROSSING DRAINAGE TUBES ARE LOCATED UNDER THE OPERABLE PANELS ONLY. THEY ARE POSITIONED WITHIN 3" FROM OUTSIDE OPERABLE SASH TO MAX. 3" FROM CENTERLINE OF MEETING STYLES AND 13 3/4" MAX. O.C. BETWEEN.

ALTERNATE FLUSH MOUNT SILL ASSEMBLY

4 PANEL TO 2 PANEL CONFIGURATION SHOWN. ALL OTHER CONFIGURATIONS APPLY AND ARE SIMILAR
OPTIONAL MOTOR OPERATOR DETAIL

WITH USE OF MOTOR OPERATOR SYSTEM, THERE SHALL BE NO MODIFICATIONS TO THE DOOR FRAME OR DOOR PANEL OTHER THAN THOSE SHOWN HEREIN.

NOTE: MOTOR OPERATION IS APPLICABLE WITH LOCKING HARDWARE ITEM #79. IT IS NOT APPLICABLE WITH LOCKING HARDWARE ITEM #78.
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Parts</th>
<th>Manufacturer/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HEAD (1 PANEL, DEEP DOOR)</td>
<td>MH/HDGNY</td>
<td>58 SILL BASE EXTENSION (1 PANEL DEEP DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>2</td>
<td>HEAD (2 PANEL, DEEP OR XL DOOR)</td>
<td>MH/HDGNY</td>
<td>59 EXTERIOR SILL EXTENSION 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>3</td>
<td>HEAD (3 PANEL, DEEP DOOR)</td>
<td>MH/HDGNY</td>
<td>60 INTERIOR SILL EXTENSION 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>4</td>
<td>HEAD (2 PANEL DEEP DOOR WITH POCKET)</td>
<td>MH/HDGNY</td>
<td>61 HEAD (3 PANEL DEEP DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>5</td>
<td>HEAD (3 PANEL DEEP OX DOOR)</td>
<td>MH/HDGNY</td>
<td>62 HEAD (2 PANEL DEEP OX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>6</td>
<td>HEAD (4 PANEL DEEP OX DOOR)</td>
<td>MH/HDGNY</td>
<td>63 HEAD (3 PANEL DEEP OX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>7</td>
<td>HEAD (2 PANEL DEEP OX DOOR WITH POCKET)</td>
<td>MH/HDGNY</td>
<td>64 HEAD (3 PANEL DEEP OX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>8</td>
<td>HEAD (4 PANEL DEEP OX DOOR)</td>
<td>MH/HDGNY</td>
<td>65 HEAD (3 PANEL DEEP OX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>9</td>
<td>HEAD (2 PANEL DEEP OX DOOR WITH POCKET)</td>
<td>MH/HDGNY</td>
<td>66 HEAD (4 PANEL DEEP OX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>10</td>
<td>HEAD (3 PANEL DEEP OX DOOR)</td>
<td>MH/HDGNY</td>
<td>67 HEAD (4 PANEL DEEP OX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>11</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>68 HEAD (3 PANEL DEEP XX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>12</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>69 HEAD (4 PANEL DEEP XX DOOR) 6061-T5 ALUMINUM</td>
</tr>
<tr>
<td>13</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>70 BRASS ROLLER TRACK COVER OTTO FOGS #800410 (USE WITH ITEM #71)</td>
</tr>
<tr>
<td>14</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>71 BRASS ROLLER TRACK OTTO FOGS #800409</td>
</tr>
<tr>
<td>15</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>72 ALUMINUM ROLLER TRACK SUPPLIED WITH GU OR FIT HARDWARE</td>
</tr>
<tr>
<td>16</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>73 ALUMINUM ROLLER TRACK SUPPLIED WITH GU OR FIT HARDWARE</td>
</tr>
<tr>
<td>17</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>74 ALUMINUM ROLLER TRACK SUPPLIED WITH GU OR FIT HARDWARE</td>
</tr>
<tr>
<td>18</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>75וצאה ROLLER TRACK CONNECTOR WITH 3/8&quot; O.C.</td>
</tr>
<tr>
<td>19</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>76 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>20</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>77 MOUNTING CUP OTTO FOGS #7340</td>
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<tr>
<td>21</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>78 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>22</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>79 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>23</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>80 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
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<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>81 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>25</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>82 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>26</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>83 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>27</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>84 MOUNTING CUP OTTO FOGS #7340</td>
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<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
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<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>86 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
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<td>MH/HDGNY</td>
<td>87 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
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<td>HEAD (2 PANEL DEEP XX DOOR)</td>
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</tr>
<tr>
<td>32</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>89 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>33</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>90 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>34</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>91 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
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<td>35</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>92 MOUNTING CUP OTTO FOGS #7340</td>
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<tr>
<td>36</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>93 MOUNTING CUP OTTO FOGS #7340</td>
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<tr>
<td>37</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
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</tr>
<tr>
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<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>95 MOUNTING CUP OTTO FOGS #7340</td>
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<td>MH/HDGNY</td>
<td>96 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
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<td>MH/HDGNY</td>
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<td>43</td>
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<td>MH/HDGNY</td>
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</tr>
<tr>
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</tr>
<tr>
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<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
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<td>46</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
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<tr>
<td>47</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
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<tr>
<td>48</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>105 MOUNTING CUP OTTO FOGS #7340</td>
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<tr>
<td>49</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
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<tr>
<td>50</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
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<tr>
<td>51</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>108 MOUNTING CUP OTTO FOGS #7340</td>
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<tr>
<td>52</td>
<td>HEAD (2 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>109 MOUNTING CUP OTTO FOGS #7340</td>
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<tr>
<td>53</td>
<td>HEAD (3 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>110 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
<tr>
<td>54</td>
<td>HEAD (4 PANEL DEEP XX DOOR)</td>
<td>MH/HDGNY</td>
<td>111 MOUNTING CUP OTTO FOGS #7340</td>
</tr>
</tbody>
</table>

**WOOD**

Wood used in testing was mahogany with a specific gravity of 0.45 and a modulus of elasticity of E = 1,500,000 psi. Other wood species applicable for use with this product are those with a specific gravity of 0.45 and modulus of elasticity of 1,500,000 psi or greater. All wood used in minimum grade 2 MLF by PEET Windows & Doors to select.