NOTICE OF ACCEPTANCE (NOA)

Tischler Und Sohn (USA) Ltd.
Six Suburban Avenue
Stamford, Ct. 06901

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: Tischler series Outswing glazed Wood Doors-L.M. Impact

APPROVAL DOCUMENT: Drawing No. 1600 REV C, titled “Out-Swing Impact Wood Doors”, sheets 1 through 17 of 17, dated 10/08/08 and last revised on May 15, 2018, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:
1. MDF material: Medite Exterior MDF panel EN 622 Type MDF-H2
2. See sheets 8 thru 11 for reinforcements, see glass & partial raised panel options on sheets 2 & 11.
3. Lower design pressure shall control when doors mulled w/ Tischler’s transom (under separate approval) see sheet 6.
4. CMU to conform to ASTM-C 90 and min 2000 psi net compressive masonry strength.

LABELING: Each unit shall bear a permanent label with the manufacturer’s name or logo, Wedel (Schleswig-Holstein), Germany and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall 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 renews NOA # 17-0803.30 and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 18-0531.09
Expiration Date: May 27, 2024
Approval Date: July 19, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's parts drawings and sections (see below)
(Note: The revision consist of updating glass interlayer and angle clip masonry screw)

B. TESTS (submitted under files #14-0303.05/#11-1101.12 / #09-0212.04)
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 installation diagram of Single & Double Outswing/Inswing, Tilt/Turn Mahogany Wood French doors w/wo Sidelite & Transom, w/ MDF & wood Veneered Panels and different shapes top, prepared by Architectural Testing, Test Report(s) No. ATI 77326.01-109-18, dated 02/03/09 and ATI 77327.01-109-18, dated 02/20/09, both signed and sealed by Michael D. Stremmel, P.E.

C. CALCULATIONS
2. Glazing complies with ASTME-1300-02 &-04

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

E. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Co (MA) former Solutia Inc. for “Saflex Clear or colored interlayer”, expiring on 05/21/16.
3. Test report No. ATI-86006.01-106-18 (Rev 2) dated 12/12/08 and ATI-86006.02-106-18 02/05/09 for “Durability of Wood-Based Composite Lumber and panels” per ASTM D-1761 and ASTM D-4761, issued by Architectural Testing Lab (submitted under 11-1101.12 / #09-0212.04).

F. STATEMENTS
3. E-mail statement dated 03/31/09, issued by Michael D. Stremmel, P.E. of Architectural testing in reference to low sill, water infiltration test (submitted under 11-1101.12 / #09-0212.04)

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0531.09
Expiration Date: May 27, 2019
Approval Date: July 19, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER
1. This NOA revises & renews NOA # 11-1101.12, expiring 05/27/14.
2. Test proposal # 07-3533 dated Oct 22, 2007, approved by BCCO.
3. Distribution agreement between Tischler Und Sohn (USA) and Tischler/Cornelius Korn GmbH, Germany, signed by Tim Carpenter & Wilhem Korn, respectively.
4. Tischler's current Fixed Casement windows NOA(s) w/ Drawing references No. 1514 or 1533.

2. Evidence submitted under previous approvals

A. DRAWINGS
1. None.

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. 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

G. OTHER
1. This NOA revises NOA # 14-0303.05, expiring 05/27/2019.
2. E-mail request dated 10/12/17 for correction of Tischler Und Sohn manufacturing location in Germany, signed by Stefan Perchet, VP project management.

3. New Evidence submitted

A. DRAWINGS

B. TESTS
1. None

C. CALCULATIONS

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0531.09
Expiration Date: May 27, 2019
Approval Date: July 19, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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   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

G. OTHER
   1. This NOA revises & renews NOA # 17-0803.30, expiring 05/27/2024.
   2. Distribution agreement between Tishler Und Sohn (USA) and Tishler/Cornelius Korn GmbH, Germany, signed by Tim Carpenter & Wilhem Korn, respectively.
   3. E-mail request dated 10/12/17 for correction of Tishler Und Sohn manufacturing location in Germany, signed by Stefan Perchet, VP project management.

Ishq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0531.09
Expiration Date: May 27, 2019
Approval Date: July 19, 2018
GENERAL NOTES:
1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE".
2. OPENSING, BUCKING & FASTERER MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMERGENCE BASE MATERIAL SHALL BE USED, UNLESS OTHERWISE SHOWN.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS 2017, 2018 & 2020 FOR LARGE MIDDLE IMPACT PRODUCTS.
5. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE Sections 1601-05-14-40 TO 45 AND 46.05.
6. WIND & SHUTTER SIZES ARE NOT REQUIRED WITH THIS PRODUCT.
7. ALL ANCHORS SECURING PRODUCT FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION IN ACCORDANCE WITH THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSTIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING AS3600 CODE CONSIDERATION OF WIND LOAD.
9. FOR WIND LOAD CALCULATIONS CONSIDERATION OF WIND LOAD DURATION FACTOR C = 0.5 MAY BE APPLIED FOR AS36-7 STANDARD.
10. NO INCREASE IN ALLOWABLE STRESS WIND FOR USE IN THE STRENGTH CHECKS OF THIS PRODUCT. WIND LOAD DURATION FACTOR C = 0.5 WIND LOAD DURATION FACTOR C = 0.5 FOR WIND LOAD SCREWS ANCHORING ONLY.
11. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
12. AS WOOD MEMBERS OF THIS PRODUCT THAT MAY POSSIBLY COME INTO CONTACT WITH WAREHOUSE OR CONCRETE SUBSTRATES ARE SUBJECT TO MOISTURE, BUT ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD IN AN APPROVED PRACTICE FOR WOOD REQUIREMENTS.

FRAME ANCHOR REQUIREMENTS TABLE

| OPENING TYPE (SUBSTRATE) | FRAME/SLIP/CIP BRACKET TO OPENING FASTERER TYPE | MINIMUM EMBED | MINIMUM EDGE DIST.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN. 2 X 4 WOOD FRAME OR BUCK (MIN. GR. 3 &amp; G = 0.55)</td>
<td>NO. 14 SMS WOOD SCREW OR 1/4” BTI SCREW</td>
<td>1 1/4”</td>
<td>3/4”</td>
</tr>
<tr>
<td>MIN. 18 GA. 33 KSI METAL STUD</td>
<td>(1/14-14 SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>MIN. 1/8” THK 6063-T5 ALUM.</td>
<td>(1/14-14 SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>C-50 CMU/200 PSI CONCRETE</td>
<td>(1/4” 1/4” CONCRETE SCREW</td>
<td>1 1/4”</td>
<td>2”</td>
</tr>
<tr>
<td>INSTALLATION CUP SCREWS</td>
<td>MIN. 2 X 6 WOOD FRAME OR BUCK (MIN. GR. 3 &amp; G = 0.55)</td>
<td>NO. 12 X 1 1/2” SMS</td>
<td>1 3/8”</td>
</tr>
<tr>
<td>MIN. 18 GA. 33 KSI METAL STUD</td>
<td>(1/14-12 SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>MIN. 1/8” THK 6063-T5 ALUM.</td>
<td>(1/14-12 SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>C-90 CMU/250 PSI CONCRETE</td>
<td>(1/4” 1/4” CONCRETE SCREW</td>
<td>1 1/4”</td>
<td>2”</td>
</tr>
<tr>
<td>BOLT BRACKET SCREWS</td>
<td>MIN. 2 X 6 WOOD FRAME OR BUCK (MIN. GR. 3 &amp; G = 0.55)</td>
<td>NO. 8 X 1 1/2” SMS</td>
<td>1 3/8”</td>
</tr>
<tr>
<td>MIN. 18 GA. 33 KSI METAL STUD</td>
<td>(1/8” 1/8” SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>MIN. 1/8” THK 6063-T5 ALUM.</td>
<td>(1/8” 1/8” SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>C-90 CMU/250 PSI CONCRETE</td>
<td>(1/4” 1/4” CONCRETE SCREW</td>
<td>1 1/4”</td>
<td>2”</td>
</tr>
<tr>
<td>ANGLE CUP SCREWS</td>
<td>MIN. 2 X 6 WOOD FRAME OR BUCK (MIN. GR. 3 &amp; G = 0.55)</td>
<td>NO. 8 X 1 1/2” SMS</td>
<td>1 3/8”</td>
</tr>
<tr>
<td>MIN. 18 GA. 33 KSI METAL STUD</td>
<td>(1/8” 1/8” SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>MIN. 1/8” THK 6063-T5 ALUM.</td>
<td>(1/8” 1/8” SELF TAP DRILLING SCREW)</td>
<td>FULL</td>
<td>1/2”</td>
</tr>
<tr>
<td>C-90 CMU/250 PSI CONCRETE</td>
<td>(1/4” 1/4” CONCRETE SCREW</td>
<td>1 1/4”</td>
<td>2”</td>
</tr>
</tbody>
</table>

ALLOWABLE DESIGN PRESSURE

<table>
<thead>
<tr>
<th>SINGLE &amp; DOUBLE OPERABLE DOORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. FRAME WIDTH (IN.)</td>
</tr>
<tr>
<td>51 11/16”</td>
</tr>
<tr>
<td>41 1/2”</td>
</tr>
<tr>
<td>80 1/6”</td>
</tr>
<tr>
<td>80 1/6”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SINGLE DOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) HIGHER PRESSURE OF 85 PSF IS ONLY APPLICABLE WHEN CLASS OPTIONS 2 &amp; 5 ARE USED &amp; WITH STANDARD OR OPTIONAL SILLS. USE OF ADA SILLS IS NOT APPLICABLE TO UNITS WITH PRESSURE EXCEEDING +/-70 PSF.</td>
</tr>
<tr>
<td>(2) WITH FULL SIZE SINGLE DOORS USING CLASS OPTION 4, ALLOWABLE PRESSURE MUST BE REDUCED TO +/- 70 PSF IF THE D.O. WIDTH IS DECREASED TO MAX. 38.5” OR THE D.O. HEIGHT IS DECREASED TO MAX. 96”</td>
</tr>
</tbody>
</table>

CORNOR CONSTRUCTION:

RECTANGULAR FRAME CORNERS, MORSE & TENON CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

ARCHED FRAME CORNERS, ARCHED FRAME BUTTED TO STRAIGHT FRAME JOINED WITH ONE (1) NO. 14 X 3” WOOD SCREW & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

Hinge REQUIREMENTS

<table>
<thead>
<tr>
<th>HINGE REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) PANEL HEIGHT</td>
</tr>
<tr>
<td>(3) OVER 99”</td>
</tr>
<tr>
<td>(4) 78” TO 99”</td>
</tr>
<tr>
<td>(5) OVER 99”</td>
</tr>
<tr>
<td>(6) 78” TO 99”</td>
</tr>
</tbody>
</table>

(1) THE "PANEL HEIGHT" IS CONSIDERED TO BE FULL PANEL HEIGHT FOR RECTANGULAR UNITS OR DISTANCE FROM THE BASE OF PANEL SCREW TO PANEL SRINGLING FOR SHAPED UNITS.

(2) ALL PANEL REQUIREMENTS ARE APPLICABLE TO ONLY THE POLYMER CEMENT STUDDED PANEL, THAT MAY NOT BE USED FOR THE ATTACHMENT OR INSTALLATION OF ANY OTHER STUCCO OR MAY ONLY BE USED FOR INTERIOR AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER IN THIS DOCUMENT.

(3) THE "PANEL HEIGHT" IS CONSIDERED TO BE FULL PANEL HEIGHT FOR RECTANGULAR UNITS OR DISTANCE FROM THE BASE OF PANEL SCREW TO PANEL SRINGLING FOR SHAPED UNITS.

(4) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(5) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(6) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(7) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(8) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(9) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(10) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(11) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.

(12) ALL CORNER REQUIREMENTS ARE APPLICABLE TO THE CORNER JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.
EXTerior Elevation:
DOUBLE Rectangular DOOR
SCALE: 1/2" = 1'-0"

EXTerior Elevation:
SINGLE Rectangular DOOR
SCALE: 1/2" = 1'-0"

EXTerior Elevation:
PARTIAL RAISED Panel
SCALE: 1/2" = 1'-0"

Panel Notes:
1. Single Raised Panel Condition Shown, more than one raised panel may exist in a single door panel when multiple mid-rails are used.
2. Panel only is shown. For installation into frame, see other elevations.
3. These panel conditions apply with both operable & fixed panel doors.
4. Rectangular condition shown, shaped conditions also apply.

Allowable Design Pressure

See Pressure Table on Sheet 1
FRAME SCREWS, INSTALLATION CLIPS, BTI BRACKETS OR ANGLE CLIPS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (BTI BRACKETS NOT APPLICABLE AT SILL).

FRAME SCREWS, INSTALLATION CLIPS, BTI BRACKETS OR ANGLE CLIPS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (BTI BRACKETS NOT APPLICABLE AT SILL).

AFFIRMATIVE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

ANCHOR NOTE: ANCHOR SPACING AT THE HEAD OF ALL TYPES OF SHAPED DOORS MUST EQUAL THAT SPECIFIED AT THE SIDES (17" MAX. O.C.)
**ALLOWABLE DESIGN PRESSURE (SINGLE FIXED PANELS)**

<table>
<thead>
<tr>
<th>MAX. FRAME WIDTH (IN.)</th>
<th>MAX. FRAME HEIGHT (IN.)</th>
<th>ALLOWABLE PRESSURE (PSF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 11/16</td>
<td>120</td>
<td>19.70</td>
</tr>
<tr>
<td>51 11/16</td>
<td>99</td>
<td>19.85</td>
</tr>
</tbody>
</table>

1. (1) Higher pressures of ≥85 PSF is only applicable when glass options 2 & 5 are used & with standard or optional sill (use of ASA sill is not applicable to units with pressure exceeding 40 PSF).
2. With full size fixed doors using glass option 4, allowable pressure must be reduced to +/−65 PSF. Pressure may be increased to +/−70 PSF if the D.L.O. weight is decreased to 38.5 lb. or the D.L.O. height is decreased to max. 98".

**APPROVED SHAPES (FIXED PANELS)**

**EXTerior ELEVATION: SINGLE FIXED PANEL**

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

(Rectangular fixed door shown, shaped doors also apply. See "Approved Shapes" table on this sheet.)

**EXTerior ELEVATION: DOUBLE FIXED PANEL WITH FIXED ASTRALAGAL**

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

(See single fixed panel elevation for detail not shown.)

**ANCHOR NOTE:** Anchor spacing at the head of all types of shaped panel doors must equal that specified at the sides (17" Max. O.C.).

**NOTES:**
1. Load width is the distance between panel centers.
2. Allowable unit pressure shall be the lesser of the pressures shown in this table & those specified for the individual fixed panel.
3. Size values in table are +/−1/4".
MULTIPLE UNIT NOTES:
1. For all detail not shown, see Individual Unit Elevations.
2. There is no limit on the number of doors that may be combined in one direction into one opening providing the opening is designed to support all loads transferred from the doors & their Mullions.
3. 000 Unit is shown; all other fixed/operable combinations also apply with the Mullion Conditions shown.
4. Individual Door/Fixed Panel sizes shall be restricted as specified in the Single Unit Elevations.
**ALLOWABLE DESIGN PRESSURE (DOUBLE DOOR TRANSOM UNIT)**

<table>
<thead>
<tr>
<th>MAX. FRAME WIDTH (IN.)</th>
<th>MAX. FRAME WIDTH (IN.)</th>
<th>MAX. ALLOWABLE PRESSURE (PSF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 1/16</td>
<td>168</td>
<td>60</td>
</tr>
<tr>
<td>80 1/16</td>
<td>138</td>
<td>60</td>
</tr>
</tbody>
</table>

1. Higher pressure of ~85 PSF is only applicable when glass options 2 & 5 are used (use of ADA sill is not applicable to units with pressure exceeding +/−70 PSF).
2. Lesser of the pressures in this table & those for the individual doors shall control.

**ALLOWABLE DESIGN PRESSURE (SINGLE DOOR TRANSOM UNIT)**

<table>
<thead>
<tr>
<th>MAX. FRAME WIDTH (IN.)</th>
<th>MAX. FRAME WIDTH (IN.)</th>
<th>MAX. ALLOWABLE PRESSURE (PSF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 11/16</td>
<td>168</td>
<td>60</td>
</tr>
<tr>
<td>41 1/2</td>
<td>168</td>
<td>60</td>
</tr>
</tbody>
</table>

1. Higher pressure of ~85 PSF is only applicable when glass options 2 & 5 are used (use of ADA sill is not applicable to units with pressure exceeding +/−70 PSF).
2. Lesser of the pressures in this table & those for the individual doors shall control.
SECTION
SCALE: 1/2 FULL
FRAME SCREW INSTALLATION & STANDARD SILL CONDITION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION & SILL CONDITIONS.
GLUED WITH BEKO ALLCON
10 POLYURETHANE GLUE
AT ALL 4 SIDES

NO. 14 X 3" SMS SCREW WITHIN
8" OF CORNERS & 18" MAX. O.C.

MILL JAMB AS REQUIRED FOR
REINFORCEMENT PLACEMENT

DOW 794N

OPTIONAL WOOD COVER

SECTION
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

NO. 12 X 2 1/4" SMS SCREW WITHIN
8" OF CORNERS & 18" MAX. O.C.

SECTION
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS

NO. 14 X 3" SMS SCREW WITHIN
8" OF CORNERS & 18" MAX. O.C.

MILL JAMB AS REQUIRED FOR
REINFORCEMENT PLACEMENT

DOW 794N

OPTIONAL WOOD COVER
SILL DETAIL (OPTIONAL SILL INSTALLED WITH INSTALLATION CLIP & SUB-SILL)

(Operable door condition shown, fixed panel doors are installed the same)
(For detail not shown, see other sections)

SEALANT BY OTHERS
FINISH FLOOR BY OTHERS
SUBLATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"
INSTALLATION CLIP SCREW PER "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 (1 PER CLIP)
NO. 6 X 1 1/4" WOOD SCREW (1 PER CLIP)
3/8" MAX. SHIM OR GROUT

EXTerior

SILL DETAIL (OPTIONAL SILL INSTALLED WITH ANGLE CLIP)

(Operable door condition shown, fixed panel doors are installed the same)
(For detail not shown, see other sections)

SEALANT BY OTHERS
FINISH FLOOR BY OTHERS
SUBLATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"
INSTALLATION CLIP SCREWS PER "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 (2 PER CLIP)
NO. 8 X 1 1/2" SMS SCREW (2 PER CLIP)
3/8" MAX. SHIM OR GROUT

EXTerior

SILL DETAIL (OPTIONAL SILL INSTALLED WITH INSTALLATION CLIP & NO SUB-SILL)

(Operable door condition shown, fixed panel doors are installed the same)
(For detail not shown, see other sections)

SEALANT BY OTHERS
SUBLATE BY OTHERS PER "FRAME ANCHOR REQUIREMENTS TABLE"
INSTALLATION CLIP SCREW PER "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 (1 PER CLIP)
NO. 8 X 3/4" SELF TAPPING SCREW (1 PER CLIP)
3/8" MAX. SHIM OR GROUT

EXTerior

SILL DETAIL (OPTIONAL SILL INSTALLED WITH INSTALLATION CLIP & SUB-SILL)

(Operable door condition shown, fixed panel doors are installed the same)
(For detail not shown, see other sections)
**ADA SILL DETAIL (ADA SILL INSTALLED WITH FRAME/SILL SCREW)**
(Operable door condition shown, fixed panel doors are installed the same)
(For detail not shown, see other sections)

**NOTE:** This ADA sill was not tested for water infiltration resistance & therefore is acceptable only when installed in nonhabitable areas where the door assembly & area are designated to accept water infiltration or if installed below an overhang where the overhang (OH) ratio is equal to or more than 1 (OH ratio = OH length/OH height).

**SUBSTRATE BY OTHERS**
Per "Frame Anchor Requirements Table"

**FINISH FLOOR BY OTHERS**

**FRAME/SILL SCREW**
Per elevation

3/8" MAX. SHIM OR GROUT

**SEALANT BY OTHERS**

**ADA SILL DETAIL (ADA SILL INSTALLED WITH INSTALLATION CLIP)**
(Operable door condition shown, fixed panel doors are installed the same)
(For detail not shown, see other sections)

**INSTALLATION CLIP SCREW**
Per elevation

3/8" MAX. SHIM OR GROUT

**SEALANT BY OTHERS**

**NO. 8 X 1 1/4" WOOD SCREW (1 PER CLIP)**

**SUBSTRATE BY OTHERS**
Per "Frame Anchor Requirements Table"

**FINISH FLOOR BY OTHERS**

**HEAD/JAMB**

**NO. 6 X 1 1/4" WOOD SCREW (1 PER CLIP)**

**INSTALLATION CLIP**
On sheet 1 (1 per clip)

**ANGLE CLIP SCREWS**
Per "Frame Anchor Requirements Table" on sheet 1 (2 per clip)

3/8" MAX. SHIM OR GROUT

**SUBSTRATE BY OTHERS**
Per "Frame Anchor Requirements Table"

**ANGLE CLIP**
Per elevation

**3" STANDARD BOTTOM RAIL**

**BOTTOM RAIL (USED WITH ADA THRESHOLD)**

**4" TOP RAIL**

**2.835 (MIN.)**

**3.937 MIN.**

**4.173 (MIN.)**

**2.558 (MIN.)**

**3.337 (MIN.)**

**2.835 (MIN.)**

**2.835 (MIN.)**

**3.937 MIN.**

**3.937 MIN.**

**5, 6, 7**

**1, 2, 3, 4**

1.346 (MIN.)
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>ITEM DESCRIPTION</th>
<th>MANUFACTURER/NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HEAD/JAMB</td>
<td>MAHOGANY</td>
</tr>
<tr>
<td>2</td>
<td>TOP RAIL</td>
<td>MAHOGANY</td>
</tr>
<tr>
<td>3</td>
<td>STANDARD BOTTOM RAIL</td>
<td>MAHOGANY</td>
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<tr>
<td>4</td>
<td>BOTTOM RAIL (USED WITH ADA THRESHOLD)</td>
<td>MAHOGANY</td>
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<tr>
<td>5</td>
<td>STYLE</td>
<td>MAHOGANY</td>
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<tr>
<td>6A</td>
<td>ACTIVE MEETING STILE (USED WITH REINFORCEMENT)</td>
<td>MAHOGANY</td>
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<tr>
<td>6B</td>
<td>ACTIVE MEETING STILE (USED WITHOUT REINFORCEMENT)</td>
<td>MAHOGANY</td>
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<tr>
<td>7A</td>
<td>INACTIVE MEETING STILE (USED WITH SEIGENA LOCK SYSTEM &amp; REINFORCEMENT)</td>
<td>MAHOGANY</td>
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<tr>
<td>7B</td>
<td>INACTIVE MEETING STILE (USED WITHOUT SEIGENA LOCK SYSTEM &amp; REINFORCEMENT)</td>
<td>MAHOGANY</td>
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<tr>
<td>8A</td>
<td>INACTIVE MEETING STILE (USED WITH KFV LOCK SYSTEM &amp; REINFORCEMENT)</td>
<td>MAHOGANY</td>
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<tr>
<td>8B</td>
<td>INACTIVE MEETING STILE (USED WITHOUT KFV LOCK SYSTEM &amp; REINFORCEMENT)</td>
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<tr>
<td>9</td>
<td>FIXED ASTRAGAL</td>
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<td>10</td>
<td>MID-RAI</td>
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<tr>
<td>11</td>
<td>ONE-PIECE MULLION</td>
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<tr>
<td>12</td>
<td>FIXED ASTRAGAL MULLION BAR COVER</td>
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<td>ASTRAGAL</td>
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<tr>
<td>14</td>
<td>ONE-PIECE MULLION BAR COVER</td>
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<td>15</td>
<td>NON-I.G., MOT &amp; WOOD VENEER</td>
<td>GLAZING BEAD</td>
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<td>16</td>
<td>I.G. GLAZING BEAD</td>
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<tr>
<td>18</td>
<td>SPACER BLOCK</td>
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<tr>
<td>19</td>
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<tr>
<td>20</td>
<td>SPACER BLOCK (USED WITH KFV MULTI-POINT LOCK SYSTEM)</td>
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<tr>
<td>21</td>
<td>SUB-SILL</td>
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<tr>
<td>22</td>
<td>SUB-SILL</td>
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<tr>
<td>23</td>
<td>ADA SUB-SILL</td>
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<tr>
<td>24</td>
<td>STANDARD SILL</td>
<td>BRONZE</td>
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<tr>
<td>25</td>
<td>OPTIONAL SILL</td>
<td>BRONZE</td>
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<tr>
<td>26</td>
<td>OPTIONAL ADA SILL</td>
<td>BRONZE</td>
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<tr>
<td>27</td>
<td>CONTINUOUS SILL STRIKE/Cover</td>
<td>BRONZE</td>
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<tr>
<td>28</td>
<td>VERTICAL FIXED ASTRAGAL REINFORCEMENT</td>
<td>34 KSI STAINLESS STEEL OR A36 STEEL</td>
</tr>
<tr>
<td>29</td>
<td>VERTICAL MULLION REINFORCEMENT</td>
<td>34 KSI STAINLESS STEEL OR A36 STEEL</td>
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<td>30</td>
<td>TRANSOM MULLION REINFORCEMENT</td>
<td>34 KSI STAINLESS STEEL OR A36 STEEL</td>
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<td>31</td>
<td>MEETING STILE REINFORCEMENT</td>
<td>34 KSI STAINLESS STEEL OR A36 STEEL</td>
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<td>32</td>
<td>INSTALLATION CLIP</td>
<td>GALVANIZED 54 KSI STEEL</td>
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<tr>
<td>33</td>
<td>ANGLE CLIP</td>
<td>6061-T6 ALUMINUM</td>
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<td>34</td>
<td>BTI BRACKET</td>
<td>GALVANIZED 54 KSI STEEL</td>
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<tr>
<td>35</td>
<td>I.G. SPACER</td>
<td>ALUMINUM</td>
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<tr>
<td>38</td>
<td>BUTT HINGE</td>
<td>BY: GENTEC GMBH</td>
</tr>
<tr>
<td>39</td>
<td>MULTI-POINT LOCK SYSTEM</td>
<td>BY: KFV STRAIGHT SHOOT</td>
</tr>
<tr>
<td>40</td>
<td>MULTI-POINT LOCK SYSTEM</td>
<td>BY: SEIGENA AUB KG TYPE: MUSHROOM</td>
</tr>
<tr>
<td>41</td>
<td>HANDLE</td>
<td>AS REQUIRED TO OPERATE LOCK SYSTEM</td>
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<thead>
<tr>
<th>ITEM #</th>
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<th>MANUFACTURER/NOTES</th>
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<tr>
<td>45</td>
<td>WEATHERSTRIP</td>
<td>THERMOPLASTIC ELASTOMER, BY: DEVENTER</td>
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<tr>
<td>46</td>
<td>WEATHERSTRIP</td>
<td>THERMOPLASTIC ELASTOMER, BY: DEVENTER</td>
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<tr>
<td>47</td>
<td>WEATHERSTRIP</td>
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<td>48</td>
<td>WEATHERSTRIP</td>
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<tr>
<td>49</td>
<td>WEATHERSTRIP</td>
<td>THERMOPLASTIC ELASTOMER, BY: WAGNER</td>
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<tbody>
<tr>
<td>52</td>
<td>0.06&quot; X 1.20&quot; S.S. CURVED NAIL</td>
<td>4&quot; FROM CORNERS &amp; 12&quot; MAX. O.C.</td>
</tr>
<tr>
<td>53</td>
<td>0.16&quot; X 1.57&quot; WOOD SCREW</td>
<td>2 PER HINGE INTO STILE</td>
</tr>
<tr>
<td>54</td>
<td>0.16&quot; X 1.18&quot; WOOD SCREW</td>
<td>3 PER HINGE INTO JAMB</td>
</tr>
<tr>
<td>55</td>
<td>0.16&quot; X 1.&quot; 1/4&quot; MACHINE SCREW</td>
<td>3 PER HINGE</td>
</tr>
<tr>
<td>56</td>
<td>0.16&quot; THREADED INSERT</td>
<td>3 PER HINGE</td>
</tr>
<tr>
<td>57</td>
<td>0.30&quot; X 4.72&quot; BAUTECH WOOD SCREW</td>
<td>WITHIN 8&quot; OF ENDS &amp; 18&quot; MAX. O.C.</td>
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<td>59</td>
<td>NO. 14 X 4&quot; BAUTECH WOOD SCREW</td>
<td>WITHIN 8&quot; OF ENDS &amp; 18&quot; MAX. O.C.</td>
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<tr>
<td>60</td>
<td>0.16&quot; X 2&quot; WOOD SCREW</td>
<td>WITHIN 6&quot; OF ENDS &amp; 18&quot; MAX. O.C.</td>
</tr>
<tr>
<td>61</td>
<td>0.136&quot; X 1.26&quot; SELF TAPPING SCREW</td>
<td>WITHIN 4&quot; OF ENDS &amp; 13 3/4&quot; MAX. O.C.</td>
</tr>
<tr>
<td>62</td>
<td>0.136&quot; X 1.50&quot; SELF TAPPING SCREW</td>
<td>WITHIN 4&quot; OF ENDS &amp; 13 3/4&quot; MAX. O.C.</td>
</tr>
<tr>
<td>63</td>
<td>0.11&quot; X 0.87&quot; SELF TAPPING SCREW</td>
<td>WITHIN 4&quot; OF ENDS &amp; 13 3/4&quot; MAX. O.C.</td>
</tr>
<tr>
<td>64</td>
<td>0.24&quot; X 3.15&quot; WOOD SCREW</td>
<td>WITHIN 8&quot; OF ENDS &amp; 18&quot; MAX. O.C.</td>
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</tbody>
</table>

**NOTE:** WOOD USED IN TESTING WAS SICO MAHOGANY WITH A SPECIFIC GRAVITY OF G = 0.62 AND A MODULUS OF ELASTICITY OF E = 1,600,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.62 AND MODULUS OF ELASTICITY OF 1,600,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILED BY TSCHERER UND SOHN TO SELECT.