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 Wood Doors-L.M. Impact

APPROVAL DOCUMENT: Drawing No.1616 REV C, titled “Out-Swing Impact Wood Panel 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 10 for reinforcements, see panel glazing options on sheet 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 precedes 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 & renews NOA # 17-0803.33 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.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's parts drawings and sections (submitted under 11-1101.14/ #09-0212.06) 
(Note: The revision consist of updating angle clip masonry screws)

B. TESTS (submitted under 11-1101.15/ #09-0212.07)
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 02/02/09, both signed and sealed by Michael D. Stremmel, P.E. 

C. CALCULATIONS

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

E. MATERIAL CERTIFICATIONS
1. 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 ASTM D-1761 and ASTM D-4761, issued by Architectural Testing Lab (submitted under 11-1101.15/ #09-0212.07).

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 11-1101.15/ #09-0212.07)

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0531.12
Expiration Date: May 27, 2024
Approval Date: July 19, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER
1. This NOA revises & renews NOA # 11-1101.15, 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 Tishler/Cornelius Korn GmbH, Germany, signed by Tim Carpenter & Wilhem Kom, respectively.
4. Tishler's current Fixed Casement windows NOA(s) w/ Drawing references No. 1514 or 1533.

2. New Evidence submitted

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. None.

F. STATEMENTS

G. OTHER
1. This NOA revises NOA # 14-0303.08, 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 Precht, VP project management.

3. New Evidence submitted

A. DRAWINGS

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0531.12
Expiration Date: May 27, 2024
Approval Date: July 19, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New Evidence submitted (continue):

B. TESTS
1. None

C. CALCULATIONS

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

E. MATERIAL CERTIFICATIONS
1. None

F. STATEMENTS

G. OTHER
1. This NOA revises & renews NOA #17-0803.33, 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.
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Ishaq I. Chanda, P.E.
Product Control Examiner
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E -1
ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1
**Approve Shapes (Operable Doors):**

- [ ]

**Notes:**

1. Other shapes may apply: Providing they are similar to those shown & have corner construction as described in this drawing.
2. All shaped units must fit inscribed into the allowable rectangular units & be governed by the allowable pressure of the respective rectangular unit.

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**Allowable 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.)
SEE SINGLE UNIT ELEVATIONS FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND EACH UNIT

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

FRAME SCREWS ARE NOT APPLICABLE FOR USE WITH FIXED PANEL DOOR SILLS

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 OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
3. FIXED 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.

EXTERIOR ELEVATION:
DOUBLE DOORS WITH FIXED PANELS
SCALE: 1/2" = 1'-0" (RECTANGULAR DOORS SHOWN, SHAPED DOORS ALSO APPLY. SEE "APPROVED SHAPED" TABLE ON SHEETS 3 & 4)

NOTES:
1. LOAD WIDTH IS THE DISTANCE BETWEEN PANEL CENTERLINES.
2. ALLOWABLE UNIT PRESSURE SHALL BE THE LOWER OF THE Pressures SHOWN IN THIS TABLE & THOSE SPECIFIED FOR THE INDIVIDUAL DOOR/FIXED PANEL.
3. SIZE VALUES IN TABLE ARE +/-1/4"
EXTERIOR ELEVATION: DOUBLE DOORS WITH TRANSOM

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

SEE DOUBLE RECTANGULAR DOOR ELEVATION ON SHEET 2 FOR DOOR DETAIL NOT SHOWN

ALLOWABLE DESIGN PRESSURE
(DOUBLE DOOR TRANSOM UNIT)

<table>
<thead>
<tr>
<th>Max. Frame Width (N)</th>
<th>Max. Overall Unit Height (N)</th>
<th>(+) Allowable Pressure (PSF)</th>
<th>(−) Allowable Pressure (PSF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 1/16</td>
<td>168</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>80 1/16</td>
<td>138</td>
<td>70</td>
<td>85</td>
</tr>
</tbody>
</table>

(1) Lesser of the pressures in this table & those for the individual doors shall control.

EXTERIOR ELEVATION: SINGLE DOOR WITH TRANSOM

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

SEE SINGLE RECTANGULAR DOOR ELEVATION ON SHEET 2 FOR DOOR DETAIL NOT SHOWN

ALLOWABLE DESIGN PRESSURE
(SINGLE DOOR TRANSOM UNIT)

<table>
<thead>
<tr>
<th>Max. Frame Width (N)</th>
<th>Max. Overall Unit Height (N)</th>
<th>(+) Allowable Pressure (PSF)</th>
<th>(−) Allowable Pressure (PSF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>51 11/16</td>
<td>168</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>41 1/2</td>
<td>168</td>
<td>70</td>
<td>85</td>
</tr>
</tbody>
</table>

(1) Lesser of the pressures in this table & those for the individual doors shall control.

NOTE: MULLION REINFORCEMENT IS OPTIONAL WITH THIS SINGLE DOOR WITH TRANSOM ELEVATION & IS NOT REQUIRED
MEETING STILE CONDITION WITH SIEGENIA MULTI-POINT LOCK SYSTEM

MEETING STILE REINFORCEMENT NOTE:
REINFORCEMENT IS REQUIRED WHEN ANY ONE OF THE FOLLOWING DOOR CONDITIONS EXISTS:
1. WHEN FRAME HEIGHT IS OVER 99".
2. WHEN ADA SILL IS USED (ALL APPLICABLE FRAME HEIGHTS).
3. WHEN JOI REQUIRED DESIGN PRESSURE IS OVER +/- 70 PSF.

FRAME WIDTH

3/8" MAX. SHIM AT EACH ANCHOR

SECTION
SCALE: 1/2 FULL
8

FRAME SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.

SEE GLAZING DETAILS ON SHEET 11

SECTION
SCALE: 1/2 FULL
8

SEE GLAZING DETAILS ON SHEET 11

SEE MEETING STILE REINFORCEMENT NOTE BELOW

(USED WITH REINFORCEMENT)

(USED WITHOUT REINFORCEMENT)
GLUED WITH BEXO ALLCON 10 POLYURETHANE GLUE AT ALL 4 SIDES

DOW 794N

NO. 14 X 2 1/4" SMS SCREW WITHIN 7" OF CORNERS & 18" MAX. O.C.

1 MILL HEAD AS REQUIRED FOR REINFORCEMENT PLACEMENT

SECTION

SCALE: 1/2 FULL

11/2

1

MDF PANEL GLAZING DETAIL

1 3/16" MIN. MDF PANEL

TWO(2) LAYERS OF MDF JOINED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT

SILICONE CAP BEAD (NON-STRUCTURAL)

1/2" MIN. BITE

DOW 895

WOOD VENEER PANEL GLAZING DETAIL

1 3/16" MIN. WOOD PANEL

1 1/8" MIN. PLYWOOD CORE

1/6" MIN. WOOD VENEER

1/2" MIN. BITE

DOW 895

TWO(2) LAYERS OF WOOD VENEER JOINED TO PLYWOOD CORE WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT

SILICONE CAP BEAD (NON-STRUCTURAL)

DOW 895

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS (OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOOR IS MULLED THE SAME)
SILL DETAIL (STANDARD SILL INSTALLED WITH INSTALLATION CLIP)
(OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

SILL DETAIL (OPTIONAL SILL INSTALLED WITH FRAME/SILL SCREW)
(OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
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

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
**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)

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**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)

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**NOTE:** this ADA SILL was not tested for water infiltration resistance & therefore is acceptable only when installed in noninhabitable 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).
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>ITEM DESCRIPTION</th>
<th>PARTS</th>
<th>MANUFACTURER/NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HEAD/AMB</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>TOP RAIL</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>STANDARD BOTTOM RAIL</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BOTTOM RAIL (USED WITH ADA THRESHOLD)</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>STYLE</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>6A</td>
<td>ACTIVE MEETING STILE (USED WITH REINFORCEMENT)</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>6B</td>
<td>ACTIVE MEETING STILE (USED WITHOUT REINFORCEMENT)</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>7A</td>
<td>INACTIVE MEETING STILE (USED WITH SEIGENA LOCK SYSTEM &amp; REINFORCEMENT)</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>7B</td>
<td>INACTIVE MEETING STILE (USED WITHOUT SEIGENA LOCK SYSTEM &amp; REINFORCEMENT)</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>8A</td>
<td>INACTIVE MEETING STILE (USED WITH KFV LOCK SYSTEM &amp; REINFORCEMENT)</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>8B</td>
<td>INACTIVE MEETING STILE (USED WITHOUT KFV LOCK SYSTEM &amp; REINFORCEMENT)</td>
<td>MAHOGANY</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>FIXED ASTRAGAL</td>
<td>MAHOGANY</td>
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<tr>
<td>10</td>
<td>MID-RAIL</td>
<td>MAHOGANY</td>
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<tr>
<td>11</td>
<td>ONE-PIECE MULLION</td>
<td>MAHOGANY</td>
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<tr>
<td>12</td>
<td>FIXED ASTRAGAL MULLION BAR COVER</td>
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<td>13</td>
<td>ASTRAGAL</td>
<td>MAHOGANY</td>
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<tr>
<td>14</td>
<td>ONE-PIECE MULLION BAR COVER</td>
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<tr>
<td>15</td>
<td>GLAZING BEAD</td>
<td>MAHOGANY</td>
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<tr>
<td>16</td>
<td>SPACER BLOCK</td>
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<td>SPACER BLOCK</td>
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<tr>
<td>18</td>
<td>SPACER BLOCK (USED WITH KFV MULTI-POINT LOCK SYSTEM)</td>
<td>MAHOGANY</td>
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<tr>
<td>19</td>
<td>SUB-SILL</td>
<td>MAHOGANY</td>
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<tr>
<td>20</td>
<td>ADA SUB-SILL</td>
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<tr>
<td>21</td>
<td>STANDARD SILL</td>
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<td>22</td>
<td>OPTIONAL SILL</td>
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<td>CONVERSION SILL STRIKE/COVER</td>
<td>BRONZE</td>
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<td>24</td>
<td>VERTICAL FIXED ASTRAGAL REINFORCEMENT</td>
<td>34 KSI STAINLESS STEEL OR A36 STEEL</td>
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<tr>
<td>25</td>
<td>VERTICAL MULLION REINFORCEMENT</td>
<td>34 KSI STAINLESS STEEL OR A36 STEEL</td>
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<td>TRANSOM MULLION REINFORCEMENT</td>
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<td>MEETING STILE REINFORCEMENT</td>
<td>34 KSI STAINLESS STEEL OR A36 STEEL</td>
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<tr>
<td>28</td>
<td>INSTALLATION CLIP</td>
<td>GALVANIZED 54 KSI STEEL</td>
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<tr>
<td>29</td>
<td>ANGLE CLIP</td>
<td>6061–T6 ALUMINUM</td>
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<tr>
<td>30</td>
<td>BIT BRACKET</td>
<td>GALVANIZED 54 KSI STEEL</td>
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<tr>
<td>32</td>
<td>INSTALLATION CLIP</td>
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<td></td>
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<tr>
<td>33</td>
<td>ANGLE CLIP</td>
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<td></td>
</tr>
<tr>
<td>34</td>
<td>BIT BRACKET</td>
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</tr>
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</table>

**NOTE:** WOOD USED IN TESTING WAS SIPO 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 TISCHLER UND SOHN TO SELECT.