ALL MODELS ARE VIEWED FROM THE EXTERIOR

GENERAL NOTES:
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 6TH ED. (2017) FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE, AND WAS TESTED USING METHODS ТАS 201, ТАS 202, AND ТАS 203. GLAZING AS INDICATED HEREIN COMPLIES WITH ASTM E 1500-04A/D/09. THIS PRODUCT IS LARGE MISSILE IMPACT RATED AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES OR SHUTTERS.
2. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, USING ONLY MIAMI-DADE COUNTY APPROVED CORROSION-RESISTANT FASTENERS OR ITW TACON FASTENERS. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. HIGH QUALITY SILICONE CAULK SHALL BE USED BY INSTALLER AROUND ENTIRE WINDOW PERIMETER, INSIDE AND OUT.
3. DISILICIUM MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER PBC TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THE MATERIAlS OF THIS DOOR.
4. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1 X WOOD BUCKS BETWEEN PRODUCT AND SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1 X BUCKS BETWEEN PRODUCT AND SUBSTRATE.
5. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN THESE DRAWINGS. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED.
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT ARE THE RESPONSIBILITY OF OTHERS.
7. A WIND LOAD DURATION FACTOR CD = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
8. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL ITW TACONS IN ANY DIRECTION.

DESIGN PRESSURE RATING | IMPACT RATING
+55 PSF/-60 PSF | LARGE & SMALL MISSILE IMPACT
+65 PSF/-70 PSF | LARGE & SMALL MISSILE IMPACT

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   1. GENERAL NOTES & TYPICAL ELEVATIONS
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   4. HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
   5. ANCHORING LOCATIONS
   6. COMPONENTS & BILL OF MATERIALS
   7. COMPONENTS (CONTINUED)

Lucas
Turner
2017-12-14
09:55-19:00
VERTICAL CROSS SECTION
53" X 76" HEAD (2X BUCK) STEEL REINFORCEMENT

VERTICAL CROSS SECTION
53" X 76" HEAD (1X BUCK) STEEL REINFORCEMENT

VERTICAL CROSS SECTION
53" X 76" MEETING RAIL STEEL REINFORCEMENT

NOTES:
1. SHIMS SHALL BE A "RIGID/STIFF" MATERIAL, PLASTIC OR METAL. SHIMS MUST BE USED WHEN GAP OF GREATER THAN 1/16" BETWEEN FRAME AND OPENING IS PRESENT AT THE ANCHOR LOCATION. MAX. SHIM STACK = 1/4".
2. ONLY MIAMI-DADE COUNTY APPROVED CORROSION RESISTANT FASTENERS AND ITW TAPCON FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.
3. WOOD SHALL BE SOUTHERN PINE MIN. WITH G-0.55 MIN. MASONRY SHALL BE 2 KSI MIN. CONCRETE OR ASTM C90 CMU WITH 117 PCF MIN.

[Diagram of window assembly with detailed annotations]
NOTES:
1. SHIMS SHALL BE A "RIGID/STIFF" MATERIAL, PLASTIC OR METAL. SHIMS MUST BE USED WHEN GAP OF GREATER THAN 1/16" BETWEEN FRAME AND OPENING IS PRESENT AT THE ANCHOR LOCATION. MAX. SHIM STACK = 1/4".
2. ONLY MIAMI-DADE COUNTY APPROVED CORROSION RESISTANT FASTENERS AND ITW TAPCON FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.
3. WOOD SHALL BE SOUTHERN PINE MIN. WITH G=0.55 MIN. MASONRY SHALL BE 2 KSI MIN. CONCRETE OR ASTM C90 CMU WITH 117 PCF MIN.
CONCRETE/MASONRY (BY OTHERS)

2X BUCK (BY OTHERS)

#12 PH WOOD SCREW INSTALLATION ANCHOR (ABOVE MEETING RAILS)

#12 PH WOOD SCREW INSTALLATION ANCHOR (BELOW MEETING RAILS)

3/16" ITW TAPCON INSTALLATION ANCHOR (ABOVE MEETING RAILS)

3/16" ITW TAPCON INSTALLATION ANCHOR (BELOW MEETING RAILS)

SILICONE CAULK (INT. PERIMETER)

1/4" MAX. SHIM STACK

1 1/2" MIN. EMBEDMENT

2.25" MIN. EDGE DISTANCE

HORIZONTAL CROSS SECTION

4 37" X 76" JAMB (1X BUCK) ALUMINUM REINFORCEMENT

SILICONE CAULK (EXT. PERIMETER)

1/4" MAX. SHIM STACK

2.25" MIN. EDGE DISTANCE

HORIZONTAL CROSS SECTION

4 37" X 76" JAMB (1X BUCK) STEEL REINFORCEMENT

SILICONE CAULK (INT. PERIMETER)

1/4" MAX. SHIM STACK

1 1/2" MIN. EMBEDMENT

1.00" MIN. EMBEDMENT

HORIZONTAL CROSS SECTION

4 53" X 76" JAMB (2X BUCK) STEEL REINFORCEMENT

SILICONE CAULK (EXT. PERIMETER)

1/4" MAX. SHIM STACK

3/4" MIN. EMBEDMENT

2.25" MIN. EDGE DISTANCE

HORIZONTAL CROSS SECTION

4 37" X 76" JAMB (2X BUCK) ALUMINUM REINFORCEMENT

NOTES:
1. SHIMS SHALL BE A "RIGID-STIFF" MATERIAL, PLASTIC OR METAL. SHIMS MUST BE USED WHEN GAP OF GREATER THAN 1/16" BETWEEN FRAME AND OPENING IS PRESENT AT THE ANCHOR LOCATION. MAX. SHIM STACK = 1/4".
2. ONLY MIAMI-DADE COUNTY APPROVED CORROSION RESISTANT FASTENERS AND ITW TAPCON FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.
3. WOOD SHALL BE SOUTHERN PINE MIN. WITH G>=0.55 MIN. MASONRY SHALL BE 2 KSI MIN. CONCRETE OR ASTM C90 CMU WITH 117 PCF MIN.
NOTES:
1. WHEN ANCHORING WINDOW INTO A 2X WOOD BUCK SUBSTRATE, USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 1 1/2" EMBEDMENT INTO THE WOOD.
2. WHEN ANCHORING WINDOW INTO A 1X WOOD BUCK AND MASONRY/CONCRETE, USE 3/16" X 1/2" TAPCON ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 1" EMBEDMENT INTO THE MASONRY/CONCRETE.
3. SEE SHEETS 2 THROUGH 4 FOR ADDITIONAL ANCHORAGE DETAILS.
# Bill of Materials

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<th>Item #</th>
<th>Description</th>
<th>Material</th>
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<td>26</td>
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</tbody>
</table>

### Diagrams

1. **Head / Jamb**
   - Part #0907OS
   - 0.071" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.

2. **Sill**
   - Part #0977S
   - 0.079" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.

3. **Lift Rail (Top Sash)**
   - Part #0976S-1
   - 0.079" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.

4. **Style (Top)**
   - Part #0976S
   - 0.079" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.

5. **Keeper Rail**
   - Part #0974S
   - 0.079" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.

6. **Lock Rail**
   - Part #0977S
   - 0.079" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.

7. **Style (Bottom)**
   - Part #0974S
   - 0.079" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.

8. **Lift Rail (Bottom)**
   - Part #0976S
   - 0.079" Ext. Wall Thk.
   - 0.059" Int. Wall Thk.