iVantage 9000
Vinyl Single Hung Window
w/ Flange
"IMPACT"

GENERAL NOTES

1. This product anchoring drawing has been evaluated and is in compliance with the 2010 Florida Building Code (FBC) including the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications & ratings.

2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.

3. When used in the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.

4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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**MAX. OVERALL FIN DIMENSION:** 55.0" x 77.0"  
**MAX. OVERALL FRAME DIMENSION:** 54.0" x 76.0"  
**MAX. DAY LITE DIMENSION (OPERABLE):** 47.25" x 34.38"  
**MAX. DAY LITE DIMENSION (FIXED):** 49.75" x 34.5"  
**GLASS TYPE:** G1  
**DESIGN PRESSURE (PSI):** POS: +55.0, NEG: -65.0

Note: This product is not approved for use above 30 feet in the "HVHZ".
Note: 1. Lock and keeper located 7" from each end of lock/meeting rail.

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through at least 2 sheets of metal.

HORIZONTAL CROSS SECTION
Metal Stud Construction

1-1/4" MIN. EMB. (TYP.)

VERTICAL CROSS SECTION
2X Buck Masonry Construction

1-1/4" MIN. EMB. (TYP.)
CONCRETE ANCHOR NOTES:
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

<table>
<thead>
<tr>
<th>ANCHOR TYPE</th>
<th>ANCHOR SIZE</th>
<th>MIN. EMBEDMENT</th>
<th>MIN. CLEARANCE TO MASONRY EDGE</th>
<th>MIN. CLEARANCE TO ADJACENT ANCHOR</th>
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<tbody>
<tr>
<td>ITW TAPCON®</td>
<td>1/4&quot;</td>
<td>1-1/4&quot;</td>
<td>2&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>ELCO ULTRACON®</td>
<td>1/4&quot;</td>
<td>1-1/4&quot;</td>
<td>1&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>
## BILL OF MATERIALS

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>B</td>
<td>2X BUCK (SG &gt;= 0.55)</td>
<td>WOOD</td>
</tr>
<tr>
<td>C</td>
<td>1/4&quot; MAX. SHIM SPACE</td>
<td>-</td>
</tr>
<tr>
<td>D</td>
<td>1/4&quot; X 2-3/4&quot; PPH ELCO OR ITW CONCRETE SCREW</td>
<td>STEEL</td>
</tr>
<tr>
<td>E</td>
<td>MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90</td>
<td>CONCRETE</td>
</tr>
<tr>
<td>F</td>
<td>#10 X 2&quot; PPH SMS</td>
<td>STEEL</td>
</tr>
<tr>
<td>G</td>
<td>2X STUD (SG &gt;= 0.55)</td>
<td>WOOD</td>
</tr>
<tr>
<td>H</td>
<td>#10 X 2-1/2&quot; PPH SMS</td>
<td>STEEL</td>
</tr>
<tr>
<td>J</td>
<td>STEEL STUD MIN. THK. 0.033&quot; (ASTM A653 GRADE 33 FY=33 ksi min., Fy=45 ksi min.)</td>
<td>STEEL</td>
</tr>
<tr>
<td>K</td>
<td>#10 PPH SELF-DRILLING SMS</td>
<td>STEEL</td>
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### Extruded Vinyl Frame (465)*
- Rigid PVC

### Extruded Vinyl Glazing Bead (736A)*
- Rigid PVC

### Extruded Vinyl Glazing Bead (425A)*
- Rigid PVC

### Sill (469)*
- Rigid PVC

### Stile (468)*
- Rigid PVC

### Meeting Rail (476)*
- Rigid PVC

### Bottom Rail (4658)*
- Rigid PVC

### Meeting Rail Reinforcement 6063 - T5 ALUM

### Lock Rail Reinforcement 6063 - T5 ALUM

### Sash Lock -

### Keeper -

### Bottom Rail Reinforcement 6063 - T5 ALUM

### Head Adapter (473)*
- Rigid PVC

### Stile Reinforcement 6063 - T5 ALUM

### Weatherstrip -

### Balance Cover (468) -

### Extruded Vinyl Glazing Bead W/ Drip Edge (467)*
- Rigid PVC

### Bulb Gasket (Amesbury) -

### Foam -

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* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".

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**GLAZING DETAIL**

- 5/8" GLASS BITE
- 7/8" O.A. GLASS THK.
- 1/8" ANNEALED GLASS
- 0.090" Solarban® PV/B Interlayer
- 1/8" ANNEALED GLASS
- AIR SPACE
- 1/8" ANNEALED GLASS
- METAL REINFORCED BUTYL

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* Scale: N.T.S.
* Issue: 1
* Drawing No.: FL-16851.2
* Sheet: 5 of 5
* Date: 2/17/14
* Revised: N/A