iVantage 9000
Vinyl Horizontal Sliding Window w/ Nailing Fin
"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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

<table>
<thead>
<tr>
<th>SHEET</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Typical elevations, design pressures &amp; general notes</td>
</tr>
<tr>
<td>2</td>
<td>Vertical &amp; horizontal cross sections</td>
</tr>
<tr>
<td>3</td>
<td>Vertical &amp; horizontal cross sections</td>
</tr>
<tr>
<td>4</td>
<td>Buck &amp; frame anchoring</td>
</tr>
<tr>
<td>5</td>
<td>Components</td>
</tr>
<tr>
<td>6</td>
<td>Bill of materials and glazing details</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SHEET</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN</td>
<td>FRAME</td>
</tr>
<tr>
<td>DIMENSION</td>
<td>DIMENSION</td>
</tr>
<tr>
<td>77.00&quot; X 46.00&quot;</td>
<td>74.00&quot; X 63.00&quot;</td>
</tr>
<tr>
<td>MAX</td>
<td>MAX</td>
</tr>
<tr>
<td>DAY LITE</td>
<td>DAY LITE</td>
</tr>
<tr>
<td>DIMENSION (OPERABLE)</td>
<td>DIMENSION (FIXED)</td>
</tr>
<tr>
<td>33.00&quot; X 57.31&quot;</td>
<td>33.25&quot; X 58.56&quot;</td>
</tr>
<tr>
<td>GLASS</td>
<td>TYPE</td>
</tr>
<tr>
<td>G1</td>
<td></td>
</tr>
<tr>
<td>DESIGN PRESSURE</td>
<td>PSF</td>
</tr>
<tr>
<td>POS.</td>
<td>NEG.</td>
</tr>
<tr>
<td>+50.0</td>
<td>-60.0</td>
</tr>
</tbody>
</table>

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 stile.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SWS.

1-1/4" MIN. EMB. [TYP.]

HORIZONTAL CROSS SECTION
2x Buck Masonry Construction

1 10 11 7 3 2
E B C D E F

INTERIOR

SEENOTE1

VERTICAL CROSS SECTION
2x Buck Masonry Construction

2 17 SEE NOTE 3

B C D E

EXTERIOR

1-1/4" MIN. EMB. [TYP.]

INTERIOR

1-1/4" MIN. EMB. [TYP.]

EXTERIOR
Note:
1. Lock and keeper located 7" from each end of lock/meetline strike.
2. Metal roller assembly located 2" from each end of the bottom rail.
3. Anti-lift secured to head with (6) #6 x 1/2" PPH SMS.

NOTE: Sheet Metal Screws must penetrate a min. of 3 threads completely through metal stud.

HORIZONTAL CROSS SECTION

3

shown w/ Steel Stud Framing Option

1

INTERIOR

SEE NOTE 1

11

10

G1

7

6

EXTERIOR

12

13

3

HORIZONTAL CROSS SECTION

2x Buck Masonry Construction

1

3

VERTICAL CROSS SECTION

2x Buck Masonry Construction
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>
</tr>
</thead>
<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>
<tr>
<td>ITEM #</td>
<td>DESCRIPTION</td>
<td>MATERIAL</td>
<td></td>
<td></td>
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<tr>
<td>-------</td>
<td>-------------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>2X BUCK (SG &gt;= 0.55)</td>
<td>WOOD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>1/4&quot; MAX, SHIM SPACE</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>1/4&quot; X 2-3/4&quot; PPH LGC OR ITW CONCRETE SCREW</td>
<td>STEEL</td>
<td></td>
<td></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>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>#10 X 2&quot; PPH SMS</td>
<td>STEEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>2X STUD (SG &gt;= 0.55)</td>
<td>WOOD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>#10 X 2-1/2&quot; PPH SMS</td>
<td>STEEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>STEEL STUD MIN. THK .035&quot; (ASTM A653 GRADE 33 F_y=33 ksi min., F_u=45 ksi min.)</td>
<td>STEEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>#10 PPH SELF-DRILLING SMS</td>
<td>STEEL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. EXTRUDED VINYL FRAME (437)*
2. EXTRUDED VINYL GLAZING BEAD (736A)*
3. EXTRUDED VINYL GLAZING BEAD (425A)*
4. BOTTOM RAIL (4248)*
5. TOP RAIL (4758)*
6. MEETING STILE (477)*
7. LOCK STILE (476)*
8. HANDLE STILE (4758)*
9. MEETING STILE REINFORCEMENT 6063 - 15 ALUM
10. LOCK STILE REINFORCEMENT 6063 - 15 ALUM
11. SASH LOCK
12. KEEPER
13. HANDLE STILE REINFORCEMENT 6063 - 15 ALUM
14. ROLLER (TRUTH #2435-1000)
15. SILL RISER 6063 - 15 ALUM
16. ROLLER TRACK 6063 - 15 ALUM
17. ANTI-LIFT ALUMINIUM 6063 - 15 ALUM
18. BOTTOM RAIL REINFORCEMENT 6063 - 15 ALUM
20. WEATHERSTRIP (.187" X .290")

* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAAMA 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" SAFLEX® PVB INTERLAYER
- 1/8" ANNEALED GLASS
- AIR SPACE
- 1/8" ANNEALED GLASS
- METAL REINFORCED BUTYL

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**DRAWING NUMBER**: FL-16842.1
**SHEET**: 6 of 6
**DATE**: 2/17/14
**SCALE**: N.T.S.
**DRAWN BY**: JK
**DRAWING NO.**: LFS