GENERAL NOTES: SERIES 5520
IMPACT RESISTANT, VINYL FIXED WINDOW

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 15 INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).

3) ANCHOR EMBEDED TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCO. USE ANCHORS OF SUFFICIENT EMBEDED. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

4) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

5) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-12% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

TABLE 1:

<table>
<thead>
<tr>
<th>Window Buck Size</th>
<th>Design Pressure (+) psf</th>
<th>Design Pressure (-) psf</th>
<th>Certification (CAR) Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>84</td>
<td>65.0</td>
<td>65.0</td>
<td>190-281, 1019</td>
</tr>
<tr>
<td>84</td>
<td>70.0</td>
<td>70.0</td>
<td>190-284, 1019</td>
</tr>
<tr>
<td>84</td>
<td>70.0</td>
<td>70.0</td>
<td>190-279, 1012</td>
</tr>
<tr>
<td>96</td>
<td>50.0</td>
<td>50.0</td>
<td>190-283, 1020</td>
</tr>
<tr>
<td>75</td>
<td>50.0</td>
<td>50.0</td>
<td>190-280, 1013</td>
</tr>
<tr>
<td>36</td>
<td>50.0</td>
<td>50.0</td>
<td>190-282, 1014</td>
</tr>
</tbody>
</table>

SHAPES MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLE ON THIS SHEET.

VINYL FIXED WINDOW FPA (IMP.-RESIST.) 12/13/14
GENERAL NOTES & ELEVATIONS J ROSOWSKI

PGT
CERT. OF AUTH. #20929
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

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### Table 2: Anchors Installed Through Frame

<table>
<thead>
<tr>
<th>Anchor</th>
<th>Substrate</th>
<th>Min. Edge Distance</th>
<th>Min. Embedment</th>
</tr>
</thead>
<tbody>
<tr>
<td>#10 SBS (steel, 18-8 S.S. or 410 S.S.)</td>
<td>P.T. Southern Pine (SG=0.55)</td>
<td>7/16&quot;</td>
<td>1-3/8&quot;</td>
</tr>
<tr>
<td></td>
<td>Steel, A36</td>
<td>3/8&quot;</td>
<td>0.050&quot;</td>
</tr>
<tr>
<td></td>
<td>Steel Stud, A653 Gr. 33</td>
<td>3/8&quot;</td>
<td>0.0346&quot; (20 Ga.)</td>
</tr>
<tr>
<td></td>
<td>Aluminum, 6063-T5</td>
<td>3/8&quot;</td>
<td>0.0713&quot; (14 Ga.)</td>
</tr>
</tbody>
</table>

### Table 3: Anchors Installed Through Integral Fin

<table>
<thead>
<tr>
<th>Anchor</th>
<th>Substrate</th>
<th>Min. Edge Distance</th>
<th>Min. Embedment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-1/2&quot; x 131° Common Nail Max. DP of 50.0</td>
<td>P.T. Southern Pine (SG= 55)</td>
<td>9/16&quot;</td>
<td>2-7/16&quot;</td>
</tr>
<tr>
<td>2-1/2&quot; x 131° Ring-shank Nail</td>
<td>P.T. Southern Pine (SG= 55)</td>
<td>9/16&quot;</td>
<td>2-7/16&quot;</td>
</tr>
<tr>
<td>2-1/2&quot; x 140° Roofing Nail</td>
<td>P.T. Southern Pine (SG= 55)</td>
<td>9/16&quot;</td>
<td>2-7/16&quot;</td>
</tr>
</tbody>
</table>

### Anchor Notes:
1. **Ungrouted CMU Values May Be Used for Grouted CMU Applications.**
2. Panhead, Flathead or Hexhead are acceptable.
3. Anchor length to be so that a min. of 3 threads extend beyond the metal substrate.

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### Typical Glazing Detail

- Exterior glass with 1/2" Nom. glass bite t yp.
- GE-7700 or Dow 971 Silicone

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### Glazing Types

- PVB and SG Interlayers manufactured by Dupont, Inc.
- AIA Kuray America, Inc.

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**Visible Light Formulas**
- Width: Buck Width: 4-5/16" Height: Buck Height: 4-5/16"
- Visible light width or height (also referred to as daylight opening) is measured from beading to beading.

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**PGT**
- Cert. of Auth: #59296
- 1070 Technology Drive
  - N. Venice, FL 34275
  - (941)-480-1600

**PVB and SG Interlayers**
- Manufactured by Dupont, Inc.
- AIA Kuray America, Inc.
HORIZONTAL SECTION A-A

INSTALLATION NOTES:
1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
2) SEE TABLES ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
3) MAX. SHIM THICKNESS TO BE 1/4".
4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.
5) FIN AND/OR FLANGE MAY BE REMOVED TO CREATE OTHER FRAME TYPES.