INSTRUCTIONS:
1) KNOWING THE REQUIRED DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM DESIGN PRESSURE TABLES 1 OR 2, DEPENDING ON THE REINFORCEMENT LEVEL DESIRED.
2) LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH. IF YOUR EXACT SIZE IS NOT SHOWN, ROUND UP TO THE NEXT GREATER LISTED WIDTH AND/OR HEIGHT.
3) CHOOSE WHICH ANCHOR GROUP (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE A, THIS SHEET, ALONG WITH THE CORRESPONDING SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
4) FROM THE DESIGN PRESSURE TABLES (TABLES 1 OR 2), VERIFY THAT THE OPENING'S REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
5) INSTALL AS PER THE GUIDELINES OF THIS SHEET-SET.

GENERAL NOTES:
1) INSTALLATION SCREWS & FRAME SPLICES TO BE SEALED WITH NARROW JOINT SEALANT.
2) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE IBC, AS APPLICABLE.
3) DRAWINGS DEPICT EXTERIOR-GLAZING, HOWEVER INTERIOR-GLAZING MAY BE SUBSTITUTED.
### TABLE B1:

**Water-Limited Design Pressure**

<table>
<thead>
<tr>
<th>Sill Riser</th>
<th>Nom. Sill Height</th>
<th>Max. (+) DP Allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>1-1/16&quot;</td>
<td>See Note 2</td>
</tr>
<tr>
<td>42</td>
<td>2-1/2&quot;</td>
<td>+38.7 psf</td>
</tr>
<tr>
<td>43</td>
<td>3-1/2&quot;</td>
<td>+60.0 psf</td>
</tr>
<tr>
<td>44</td>
<td>4-1/16&quot;</td>
<td>+80.0 psf</td>
</tr>
<tr>
<td>45</td>
<td>4-5/8&quot;</td>
<td>+100.0 psf</td>
</tr>
</tbody>
</table>

### TABLE NOTES:

1. If water infiltration resistance is required, the lesser values of either TABLE 1 and TABLE B1 determines the water limited (+) DP.
2. If water infiltration resistance is not required, a sill riser is not required. If so, 40 psf shown in TABLE 1 may be used.
3. Sheet applies to 2, 3 and 4 track configurations.

---

**TABLE 1:**

**Design Pressure (DP) and Anchor Quantities Required**

<table>
<thead>
<tr>
<th>Use this table for</th>
<th>Door Unit Height</th>
<th>60°</th>
<th>64°</th>
<th>80°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astragal Reinforcement #29</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locktie Reinforcement #26 or #28</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Std. Interlock Reinforcement #27</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># Anchor Groups</td>
<td>Anchor Group</td>
<td>Anchor Group</td>
<td>Anchor Group</td>
<td>Anchor Group</td>
</tr>
<tr>
<td>Head Sill</td>
<td>C3-1</td>
<td>C3-1</td>
<td>C3-1</td>
<td>C3-1</td>
</tr>
<tr>
<td>Jamb</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>P-hook</td>
<td>7</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

- **DP & ANCHOR QUANTITY TABLE**
- **1070 TECHNOLOGY DRIVE**
- **N. VENICE, FL 34275**
- **(941)-480-1600**

---

**TABLE B1:**

**DLO WIDTH = NOM. PANEL WIDTH - 8-9/16"**

**DLO HEIGHT = DOOR HEIGHT - 11-1/16"**

**PANEL HEIGHT = DOOR HEIGHT - 2-1/2"**

---

**SDG-5470**

**VINYL SLIDING GLASS DOOR**

**09/20/16**

**DP & ANCHOR QUANTITY TABLE**

**J ROSOWSKI**

**1070 TECHNOLOGY DRIVE**

**N. VENICE, FL 34275**

**(941)-480-1600**

**SGD-5470**

**NTS 2 OF 9**

**6470FIN.1**

---

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B1, THIS SHEET.

# OF ANCHORS THROUGH THE HEAD & SILL. (EX: FOR C3+1, 3 ANCHORS CLUSTERED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT INTERMEDIATE OF PANEL).

TOTAL # OF ANCHORS THROUGH THE JAMB.

FOR POCKET CONFIGURATIONS, THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

---

**COLUMN A**

**COLUMN B**

**COLUMN C**

**COLUMN D**

**COLUMN E**

---

**TOTAL # OF ANCHORS THROUGH THE JAMB.**

**THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B1, THIS SHEET.**

**# OF ANCHORS THROUGH THE HEAD & SILL. (EX: FOR C3+1, 3 ANCHORS CLUSTERED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT INTERMEDIATE OF PANEL).**

**TOTAL # OF ANCHORS THROUGH THE JAMB.**

**FOR POCKET CONFIGURATIONS, THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.**
**TABLE 2:**

<table>
<thead>
<tr>
<th>Normal Panel Width</th>
<th>Design Pressure (+) Design Pressure</th>
<th>Head/Sill</th>
<th>Jamb</th>
<th>P-hook</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot; 19-1/8&quot; DLO Width</td>
<td>24&quot; DLO Width</td>
<td>C3+1</td>
<td>5 5 5 5</td>
<td>7 7 7 7</td>
</tr>
<tr>
<td>30&quot; 25-1/8&quot; DLO Width</td>
<td>25-1/8&quot; DLO Width</td>
<td>C3+1</td>
<td>5 5 5 5</td>
<td>7 7 7 7</td>
</tr>
<tr>
<td>36&quot; 31-1/8&quot; DLO Width</td>
<td>31-1/8&quot; DLO Width</td>
<td>C3+1</td>
<td>5 5 5 5</td>
<td>7 7 7 7</td>
</tr>
<tr>
<td>42&quot; 37-1/8&quot; DLO Width</td>
<td>37-1/8&quot; DLO Width</td>
<td>C5+2</td>
<td>5 5 5 5</td>
<td>7 7 7 7</td>
</tr>
<tr>
<td>48&quot; 43-1/8&quot; DLO Width</td>
<td>43-1/8&quot; DLO Width</td>
<td>C5+2</td>
<td>5 5 5 5</td>
<td>7 7 7 7</td>
</tr>
<tr>
<td>54&quot; 49-1/8&quot; DLO Width</td>
<td>49-1/8&quot; DLO Width</td>
<td>C3+1</td>
<td>5 5 5 5</td>
<td>7 7 7 7</td>
</tr>
<tr>
<td>60&quot; 55-1/8&quot; DLO Width</td>
<td>55-1/8&quot; DLO Width</td>
<td>C3+1</td>
<td>5 5 5 5</td>
<td>7 7 7 7</td>
</tr>
</tbody>
</table>

**TABLE B2:**

<table>
<thead>
<tr>
<th>Water Limited (+) Design Pressure</th>
<th>Sill Riser Height</th>
<th>Max. (+) DP Allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sil Riser Height</td>
<td>1&quot;</td>
<td>1-1/16&quot;</td>
</tr>
<tr>
<td>Sil Riser Height + 1/2&quot;</td>
<td>1-1/2&quot;</td>
<td>1-3/8&quot;</td>
</tr>
<tr>
<td>Sil Riser Height + 2&quot;</td>
<td>2&quot;</td>
<td>1-5/8&quot;</td>
</tr>
<tr>
<td>Sil Riser Height + 3&quot;</td>
<td>3&quot;</td>
<td>2&quot;</td>
</tr>
</tbody>
</table>

**TABLE NOTES:**

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 2 AND TABLE B2 DETERMINES THE WATER LIMITED (+) DP.
2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 2 MAY BE USED.
3) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.

---

**Design Pressure (DP) and Anchor Quantities Required**

<table>
<thead>
<tr>
<th>Use this table for:</th>
<th>80°</th>
<th>84°</th>
<th>90°</th>
<th>108°</th>
<th>120°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astragal Reinforcement #29</td>
<td>DLO Height</td>
<td>DLO Height</td>
<td>DLO Height</td>
<td>DLO Height</td>
<td>DLO Height</td>
</tr>
<tr>
<td>Lockstie Reinforcement #25</td>
<td>Anchor Group</td>
<td>Anchor Group</td>
<td>Anchor Group</td>
<td>Anchor Group</td>
<td>Anchor Group</td>
</tr>
<tr>
<td>HD Interlock Reinforcement #28</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>A</td>
</tr>
</tbody>
</table>

**Anchor Quantities:**

- **DLO WIDTH = NOM. PANEL WIDTH - 8-9/16”**
- **DLO HEIGHT = DOOR HEIGHT - 11-1/16”**
- **PANEL HEIGHT = DOOR HEIGHT - 2-1/2”**
- **TOTAL # OF ANCHORS THROUGH THE JAMB.**
- **FOR POCKET CONFIGURATIONS, THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.**
- **ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTIES LISTED BELOW. SEE TABLE A, SHEET 1 FOR COMPLETE ANCHOR LIMITATIONS.**
- **THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B2, THIS SHEET.**

**Notes:**

- **DP & ANCHOR QUANTITY TABLE**
- **VINYL SLIDING GLASS DOOR**
- **DP & ANCHOR QUANTITY TABLE**
- **VINYL SLIDING GLASS DOOR**
- **DG-5470**
- **VINYL SLIDING GLASS DOOR**
- **5470FIN.1**
- **VINYL SLIDING GLASS DOOR**
- **90/20/16**

---

**DLO WIDTH = NOM. PANEL WIDTH - 8-9/16”**

**DLO HEIGHT = DOOR HEIGHT - 11-1/16”**

**PANEL HEIGHT = DOOR HEIGHT - 2-1/2”**

---

**TABLE NOTES:**

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 2 AND TABLE B2 DETERMINES THE WATER LIMITED (+) DP.
2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED, A SILL RISER IS NOT REQUIRED. IF SO, +DP’S SHOWN IN TABLE 2 MAY BE USED.
3) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
NOTES:
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO TABLE A FOR ANCHOR CONSTRAINTS.
3) SILL ANCHORAGE WITH FIN-ADDON IS UNCHANGED FROM THE BOX FRAME ANCHORAGE.

JAMB ANCHORS LAYOUT, (PARTIAL VIEW):

FIGURES PERTAIN TO THE FOLLOWING JAMB ANCHOR LOCATIONS:

NOTES:
1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS IN THE INTERIOR TRACK MAY BE LOCATED IN THE ADJACENT TRACK AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS FROM THE INTERIOR.
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) TRACK-TO-TRACK DISTANCE IS 2.375".
NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK DISTANCE IS 2.375".

FIGURES PERTAIN TO THE FOLLOWING SILL INTERMEDIATE ANCHOR LOCATIONS:

- 2-TRACK 90° CORNER
- 2-TRACK 135° CORNER
- 2-TRACK SPLICE
- 3-TRACK 90° CORNER
- 3-TRACK 135° CORNER
- 3-TRACK SPLICE
- 4-TRACK 90° CORNER
- 4-TRACK 135° CORNER
- 4-TRACK SPLICE

FIGURES PERTAIN TO THE FOLLOWING HEAD INTERMEDIATE ANCHOR LOCATIONS:

- HEAD INTERMEDIATE "+1" ANCHOR LOCATION
- HEAD INTERMEDIATE "+2" ANCHOR LOCATION
- HEAD INTERMEDIATE "+3" ANCHOR LOCATION

SILL "+" INTERMEDIATE ANCHORS LAYOUT:

- PANEL CENTERLINE
- EXTERIOR
- 2-TRACK INTERMEDIATE "+1" ANCHOR LOCATION
- 3-TRACK INTERMEDIATE "+1" ANCHOR LOCATION
- 4-TRACK INTERMEDIATE "+1" ANCHOR LOCATION

HEAD "+" INTERMEDIATE ANCHORS LAYOUT (USES FRAME FIN-ADDON):

- PANEL CENTERLINE
- EXTERIOR
- 2-TRACK INTERMEDIATE "+1" ANCHOR LOCATION
- 3-TRACK INTERMEDIATE "+1" ANCHOR LOCATION
- 4-TRACK INTERMEDIATE "+1" ANCHOR LOCATION

FIGURES PERTAIN TO THE FOLLOWING HEAD INTERMEDIATE ANCHOR LOCATIONS:

- Head/Sill Cat(1)
- Jamb 5
- P-hook 7

VINYL SLIDING GLASS DOOR

ANCHOR LOCATIONS C

PGT

N. VENICE, FL 34275
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1070 TECHNOLOGY DRIVE
1070 TECHNOLOGY DRIVE
6 5470FIN.1
6 5470FIN.1

PGT

SGD-5470

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9 09/20/16

VINYL SLIDING GLASS DOOR

ANCHOR LOCATIONS C

PGT

N. VENICE, FL 34275
(941)-480-1600

1070 TECHNOLOGY DRIVE
1070 TECHNOLOGY DRIVE
6 5470FIN.1
6 5470FIN.1

PGT

SGD-5470

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9 09/20/16
HEAD 90° CORNER CLUSTER ANCHORS LAYOUT (USES FRAME FIN-ADDON):

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

3) TRACK-TO-TRACK DISTANCE IS 2.375".

SILL 90° CORNER CLUSTER ANCHORS LAYOUT:

FIGURES PERTAIN TO THE FOLLOWING 90° CORNER HEAD ANCHOR LOCATIONS:

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(941)-480-1600
HEAD 135° CORNER CLUSTER ANCHORS LAYOUT (USES FRAME FIN-ADDON):

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.
3) TRACK-TO-TRACK DISTANCE IS 2.375".

SILL 135° CORNER CLUSTER ANCHORS LAYOUT:

FIGURES PERTAIN TO THE FOLLOWING 135° CORNER SILL ANCHOR LOCATIONS:
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) TRACK-TO-TRACK DISTANCE IS 2.375".