2-Wing & 3-Wing: Most common for automatic
### General Design Options

#### 3-Wing

<table>
<thead>
<tr>
<th>Pros</th>
<th>Cons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Larger Compartments</td>
<td>Smaller Throat Opening</td>
</tr>
<tr>
<td>• 1/3 of the circle</td>
<td>• 1/6 of perimeter</td>
</tr>
<tr>
<td>• More room for walking</td>
<td>• More difficult entry/exit</td>
</tr>
<tr>
<td>• More room for bags</td>
<td></td>
</tr>
</tbody>
</table>

- **Pros**
  - Larger Compartments
  - 1/3 of the circle
  - More room for walking
  - More room for bags

- **Cons**
  - Smaller Throat Opening
  - 1/6 of perimeter
  - More difficult entry/exit
General Design Options

2-Wing

(shown in “Winter” or “Secured” orientation)

Pros
- Largest Compartments
  • ~1/2 of the circle
- Fully closed airlock
- Integral auto slide door
- Integral balancing swing

Cons
- Throat sometimes closed – slight wait
- Smallest throat opening
  • 1/6 perimeter
- Reduced egress

(Optional Auto Slide Door)
General Design Options

Round or Segmented

Segmented with Round Canopy
- Best of both options
- Less expensive than round
- Round canopy for aesthetics

Available for 3-Wing only
Adjacent Side Doors

A swing or slide door shall be installed next to the revolving door in the same building plane; visible located within 10’0”.

<table>
<thead>
<tr>
<th>Adjacent Side Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>UBC</td>
</tr>
<tr>
<td>BOCA</td>
</tr>
<tr>
<td>NFPA</td>
</tr>
<tr>
<td>IBC</td>
</tr>
</tbody>
</table>

In addition to code compliance the adjacent door accommodates handicap accessibility.
### Egress Requirements (ANSI Section 10.1)

<table>
<thead>
<tr>
<th>Building Code</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOCA</td>
<td>No more than 50% of building egress, up to 50 people</td>
</tr>
<tr>
<td>NFPA</td>
<td>Same as BOCA, except doors over 9’-0” dia. qualify for egress based on clear opening</td>
</tr>
<tr>
<td>IBC</td>
<td>Same as BOCA</td>
</tr>
<tr>
<td>ANSI</td>
<td>Same as BOCA</td>
</tr>
</tbody>
</table>

A revolving door wing shall be capable of breakout with an egress path providing a 36” aggregate minimum width.
Design Options

Round 3-wing

Segmented 3-wing
Thank You

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