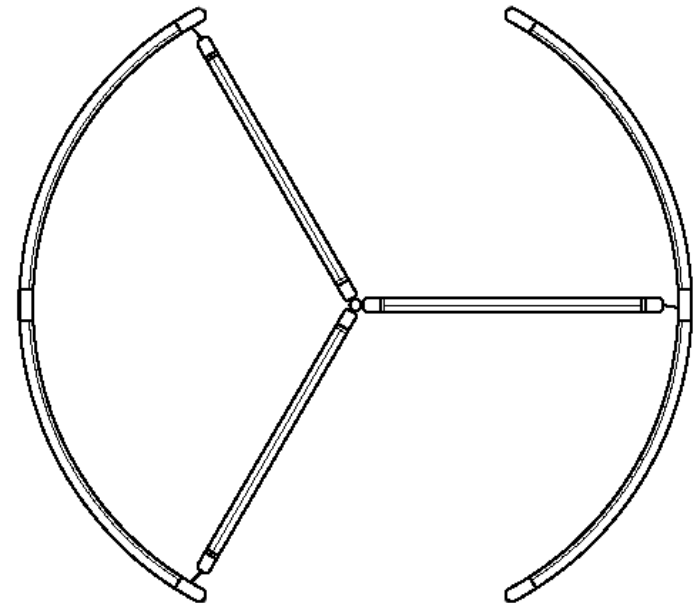
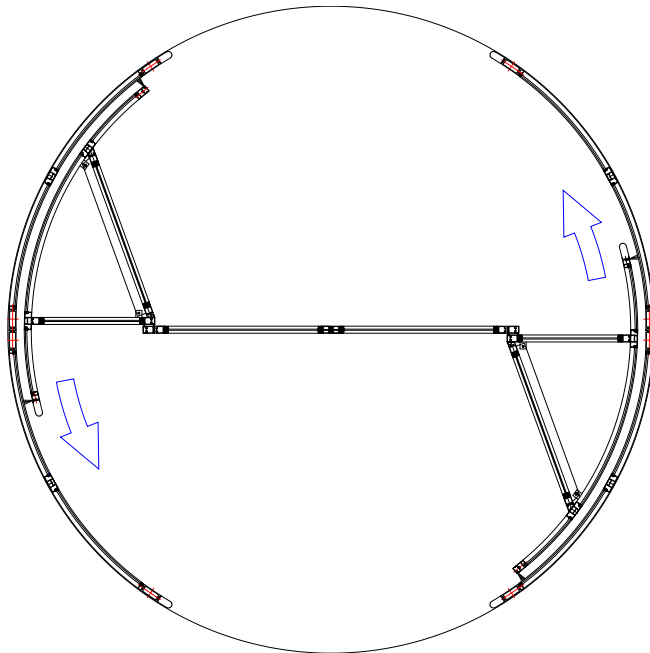




General Design Options



2-Wing & 3-Wing: Most common for automatic

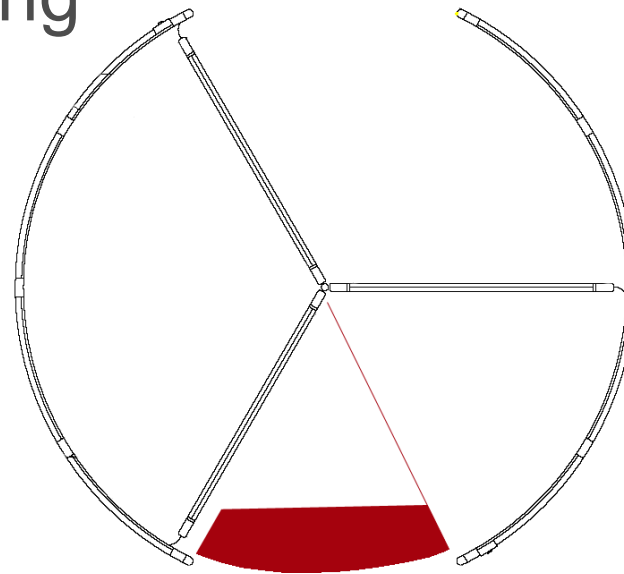
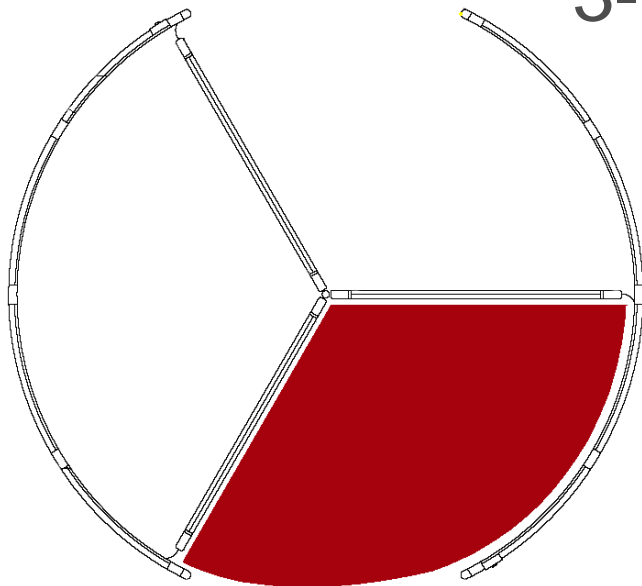




General Design Options



3-Wing



Pros	Larger Compartments <ul style="list-style-type: none">• 1/3 of the circle• More room for walking• More room for bags
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Cons	Smaller Throat Opening <ul style="list-style-type: none">• 1/6 of perimeter• More difficult entry/exit
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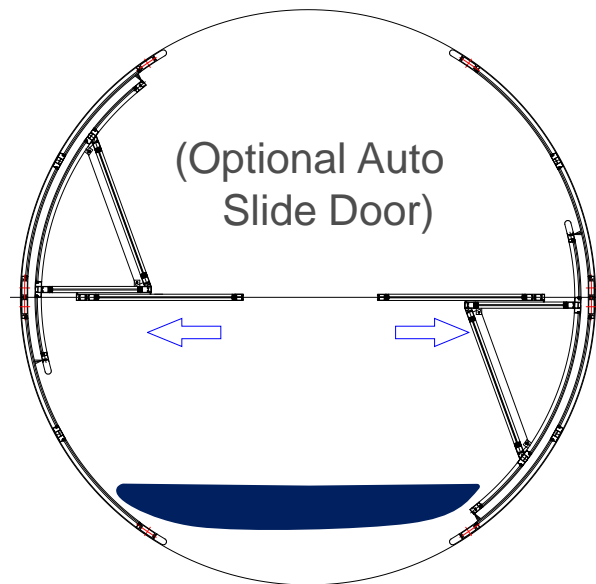
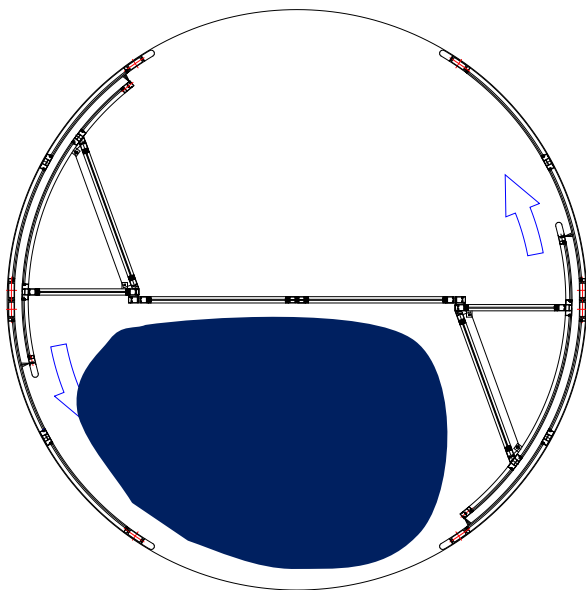


General Design Options



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

2-Wing



Pros	<p>Largest Compartments</p> <ul style="list-style-type: none"> • ~1/2 of the circle <p>Fully closed airlock</p> <p>Integral auto slide door</p> <p>Integral balancing swing</p>
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Cons	<p>Throat sometimes closed – slight wait</p> <p>Smallest throat opening</p> <ul style="list-style-type: none"> • 1/6 perimeter <p>Reduced egress</p>
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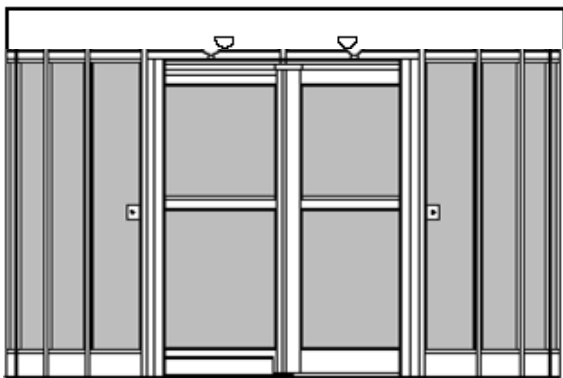
General Design Options



Round or Segmented

Segmented with Round Canopy

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



Available for 3-Wing only



Revolving Door Safety

Building Codes



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".

Adjacent Side Doors

UBC	One door
BOCA	One door within 10'-0"
NFPA	Same as BOCA
IBC	Same as BOCA



In addition to code compliance the adjacent door accommodates handicap accessibility.



Revolving Door Safety

Building Codes



Egress Requirements



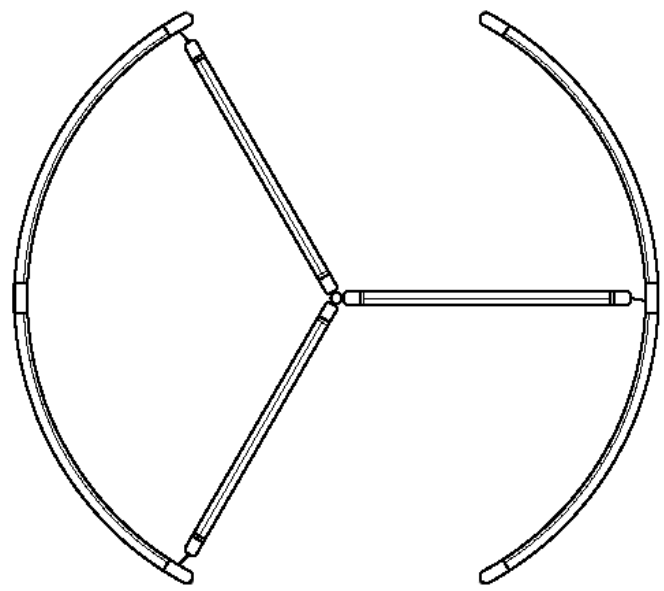
A revolving door wing shall be capable of breakout with an egress path providing a 36" aggregate minimum width.

Egress Requirements (ANSI Section 10.1)

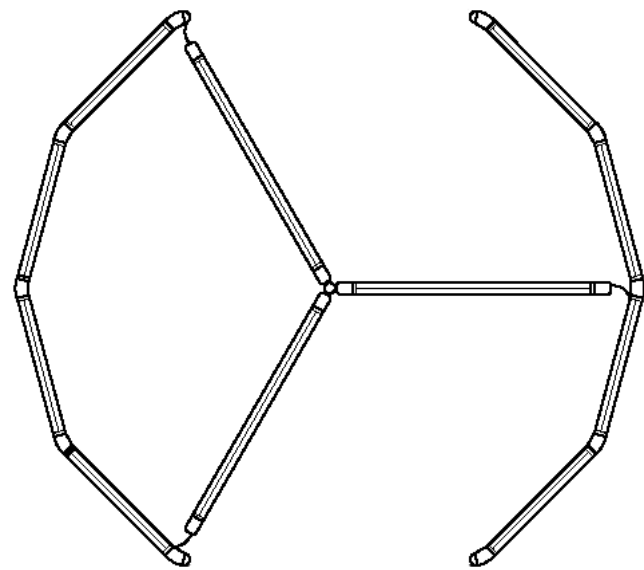
BOCA	No more than 50% of building egress, up to 50 people
NFPA	Same as BOCA, except doors over 9'-0" dia. qualify for egress based on clear opening
IBC	Same as BOCA
ANSI	Same as BOCA



Design Options



Round 3-wing



Segmented 3-wing



Thank You

Contact us at:
Horton Automatics
4242 Baldwin Blvd.
Corpus Christi, TX 78405
(800) 531-3111
www.hortondoors.com

