



LISTING INFORMATION OF
**Ambico - FEMA Tornado Resistant Door Assemblies ICC 500
(2014)**
SPEC ID: 38068

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LISTING INFORMATION

The Ambico FEMA Tornado Resistant Door Assemblies consist of steel doors and frames in single out-swing, single in-swing, pair out-swing and pair in-swing configurations. The doors assemblies, with components as described in the table below, have been evaluated for compliance with ICC 500-2014.

ICC 500-2014 PRODUCT ASSEMBLY & RATINGS

Product and Model No.

Assembly Type	Permitted Size	Tornado Resistance Design Pressure	Impact Rating
Single Out-Swing	Min: 2'-6" x 3'-0" Max:4'-0" x 10'-0"	+/- 250 PSF	15 lb 2x4 @ 100 mph
Configuration	<p>Door: Ambico Steel Stiffened Frame: 14 gauge Steel Ambico Tornado Frame (3-Sided or 4-Sided) Latching Hardware:</p> <ul style="list-style-type: none"> • Securitech 53xx-Fxx-CVR-HVL (3-point) • Securitech 73XX-CVR-HVL (3-point) • Securitech 83XX-CVR-HVL (3-point) • Securitech AWLCH-X-TXXX (3-point CVR Exit device w/ HVL) • Securitech AWDCH-X-XXXX (3-point CVR L/ L with HVL) • Securitech 53XXV-F Mortise Deadbolt System (vertical bottom bolt option) - (3-point) • Securitech 73XX-F Mortise Deadbolt System (vertical bottom bolt option – 3-point) • Securitech 83XX-F Mortise Deadbolt System (vertical bottom bolt option – 3-point) <p><u>Anchoring:</u> (10) -3/8" jamb bolts, 5 per jamb (based on 8 ft height) or (12) -3/8" jamb bolts, 6 per jamb (based on 10 ft height) No head bolts required</p> <p>Hinges: Gallery GSH 918SS [60" minimum 2 hinges; 60" to 90" minimum 3 hinges; 90" to 104" minimum 4 hinges; 104" to 120" 5 hinges.] Door Closer: LCN 4040XP (Metal or Plastic Cover - Screw Attached), Reg/PA Mount Door Bottom: Not Evaluated. Protection Plate: Max. Size 34 in wide x 10 in tall located at bottom portion of door, screw attached per manufacturers instructions Door Viewer: Not Evaluated. Vision Kit: Not Evaluated. Weather Seals: Not Evaluated.</p>		

	Electric Power Transfer: Von Duprin EPT-2, Von Duprin EPT-10, Securitron EPT. Door Position Switch: GE Sentrol 1078,1076, or similar up to 1-inch diameter Threshold: Not Evaluated. Mag Lock: Not Evaluated.		
Assembly Type	Permitted Size	Tornado Resistance Design Pressure	Impact Rating
Single In-Swing	Min: 2'-6" x 3'-0" Max: 4'-0" x 8'-0"	+/- 250 PSF	15 lb 2x4 @ 100 mph
Configuration	Door: Ambico Steel Stiffened Frame: 14 gauge Steel Ambico Tornado Frame (3-Sided or 4-Sided) Latching Hardware: <ul style="list-style-type: none"> • Securitech 53xx-Fxx-CVR-HVL (3-point) • Securitech 73XX-CVR-HVL (3-point) • Securitech 83XX-CVR-HVL (3-point) • Securitech AWLCH-X-TXXX (3-point CVR Exit device w/ HVL) • Securitech AWDCH-X-XXXX (3-point CVR L/ L with HVL) • Securitech 53XXV-F Mortise Deadbolt System (vertical bottom bolt option) - (3-point) • Securitech 73XX-F Mortise Deadbolt System (vertical bottom bolt option – 3-point) • Securitech 83XX-F Mortise Deadbolt System (vertical bottom bolt option – 3-point) Anchoring: (10) -3/8" jamb bolts, 5 per jamb (based on 8 ft height) No head bolts required Hinges: Gallery GSH 918SS [60" minimum 2 hinges, 60" to 90" minimum 3 hinges, above 90" minimum 4 hinges.] Door Closer: LCN 4040XP (Metal or Plastic Cover - Screw Attached), Reg/PA Mount Door Bottom: Not Evaluated. Protection Plate: Threat side only - Max. Size 34 in wide x 10 in tall located at bottom portion of door, screw attached per manufacturers instructions Door Viewer: Not Evaluated. Vision Kit: Not Evaluated. Weather Seals: Not Evaluated. Electric Power Transfer: Von Duprin EPT-2, Von Duprin EPT-10, Securitron EPT. Door Position Switch: GE Sentrol 1078,1076, or similar up to 1-inch diameter		

	Threshold: Not Evaluated. Mag Lock: Not Evaluated.		
Assembly Type	Permitted Size	Tornado Resistance Design Pressure	Impact Rating
Pairs Out-Swing	Min: 5'-0" x 6'-8" Max: 8'-0" x 8'-0"	+/- 250 PSF	15 lb 2x4 @ 100 mph
Configuration	<p>Door: Ambico Steel Stiffened Frame: 14 gauge Steel Ambico Tornado Frame (3-Sided) Latching Hardware:</p> <ul style="list-style-type: none"> • Securitech 8VTXX-SBD Surface Rod • Securitech 52VXX-FXX • Securitech 7VTXX-CVR Concealed Rod (2-point each leaf) • Securitech 8VTXX-CVR (2-point each leaf) <p>Door sizes below 8'-0" x 8'-0" must use Securitech 8VXXX-UX-SBD.</p> <p><u>Anchoring:</u> (10) -3/8" jamb bolts, 5 per jamb (based on 8 ft height) (4) -3/8" header bolts in pair assemblies only</p> <p>Hinges: Gallery GSH 918SS [60" minimum 2 hinges, 60" to 90" minimum 3 hinges, above 90" minimum 4 hinges.] Door Closer: LCN 4040XP (Metal or Plastic Cover - Screw Attached), Reg/PA Mount Door Bottom: Not Evaluated. Protection Plate: Max. Size 34 in wide x 10 in tall located at bottom portion of door, screw attached per manufacturers instructions Door Viewer: Not Evaluated. Vision Kit: Not Evaluated. Weather Seals: Not Evaluated. Electric Power Transfer: Von Duprin EPT-2, Von Duprin EPT-10, Securitron EPT. Door Position Switch: GE Sentrol 1078,1076, or similar up to 1-inch diameter Threshold: Not Evaluated. Mag Lock: Not Evaluated.</p>		
Assembly Type	Permitted Size	Tornado Resistance Design Pressure	Impact Rating
Pairs In-Swing	Min/Max: 8'-0" x 8'-0"	+/- 250 PSF	15 lb 2x4 @ 100 mph
Configuration	<p>Door: Ambico Steel Stiffened Frame: 14 gauge Steel Ambico Tornado Frame (3-Sided)</p>		

	<p>Latching Hardware:</p> <ul style="list-style-type: none"> • Securitech 52VXX-FXX • Securitech 7VLXX-CVR Concealed Rod (2-point each leaf) • Securitech 8VLXX-CVR (2-point each leaf) <p><u>Anchoring:</u> (10) - 3/8" jamb bolts, 5 per jamb (4) - 3/8" header bolts</p> <p>Hinges: Gallery GSH 918SS [minimum 4 hinges.] Door Closer: LCN 4040XP (Metal or Plastic Cover - Screw Attached), Reg/PA Mount Door Bottom: Not Evaluated. Protection Plate: Threat side only - Max. Size 34 in wide x 10 in tall located at bottom portion of door, screw attached per manufacturers instructions Door Viewer: Not Evaluated. Vision Kit: Not Evaluated. Weather Seals: Not Evaluated. Electric Power Transfer: Von Duprin EPT-2, Von Duprin EPT-10, Securitron EPT. Door Position Switch: GE Sentrol 1078,1076, or similar up to 1-inch diameter. Threshold: Not Evaluated. Mag Lock: Not Evaluated.</p>
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Attribute	Value
Criteria	ICC-500 (2014)
CSI Code	08 11 00 Metal Doors and Frames
CSI Code	08 30 00 Specialty Doors and Frames
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	WINDSTORM - SWING DOOR ASSEMBLIES
Spec ID	38068
Windload/Structural	Tornado Resistance