UTOMATICS

 8 4242 Baldwin Boulevard Corpus Christi, Texas USA 78405-3399 Tel: 800-531-3111, 361-888-5591 Fax: 800-531-3108, 361-888-6510 www.hortondoors.com

ARCHITECTURAL DETAILS

REVOLVING DOORS

AutoFlow[®] Automatic Series 9331

The Automatic Choice

Standard Packages

Nominal Inside	Outside	Entry	Rough Opening	Overall	Rough Opening
Diameter	Diameter		Width	Unit Height	Height
10'-0"	10'-3 1/2"	4'-4 3/4"	10'- 4"	8'- 0"	8'- 0 1/4"
(3048)	(3137)	(1340)	(3150)	(2438)	(2445)
Ceiling Height: Glazing: Standa	Anodized Finish: Clear or Dark Bronze				

Options

· Ceiling lights.

14"

Ň

Aluminum roof.

- Custom ceiling height up to 9'-0".
- Extended, cropped or round canopy.
- Prep up to 1" glazing in door wings & drum.
- Custom anodized or paint finish.

1/2" (13)

For more standards & options see Architectural Specs (p.F5.0) and Spec Details (p. F3.0).

Installation and Operation

C337-4

Drum

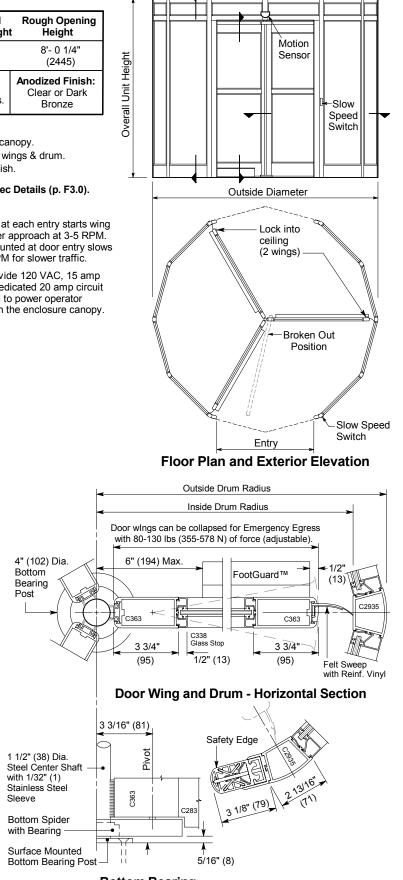
Vertical Section

- Door unit is surface mounted to finish floor (floor not to exceed 1/4" out of level). Unit is free-standing with no additional support required.
- Motion sensor at each entry starts wing rotation on user approach at 3-5 RPM. Push plate mounted at door entry slows door to 1-3 RPM for slower traffic.
- Drum can be center connected to adjacent construction or throat connected (at entry vertical rails). Allow 1/4" shim space each side & at canopy. Adjacent construction not to bear down on revolving door.
- Electrical: Provide 120 VAC, 15 amp service on a dedicated 20 amp circuit breaker routed to power operator mounted within the enclosure canopy.

F2.8

Type: 3-Wing with Segmented[®] Drum, Medium Stile

July 10



(305) Canopy Height 1/8" (3) Alum. Panels 3/4" (19) Plywood with .063" (1.6) Laminated Aluminum Ceiling Felt Sweep with 1/4" Reinf. Vinyl 4 ŝ C337 3/4" (19) andina 1 1/2" (38) 1 5/8' Mechnical (41) Breakout VistaScan™ 1 3/8" Safety Sensor (101 (35) 4 C336 Overall Unit Height 5/8" S. 7'-0" (2134) Ceiling Height C369 (16) 1 Glass Stop 14 Muntin Bar (57) N C337 P 3/4"(19) Offset Glass Stops: C2934 & C340 C283 FootGuard™ (1165) C283 Safety Switch (165) 1/2" (165) 7/8" 1/2 ດ ດາ ເຕ . ق 101) ò ₼ 4 Finish Floor 7/8"(22) 2" (51)

Door Wing

Vertical Section

Optional .090 aluminum roof

Bottom Bearing

Horton Automatics reserves the right to alter its product and specifications without notice. Dimensions given in U.S. inches followed by millimeters in parenthesis.



ARCHITECTURAL DETAILS

REVOLVING DOORS

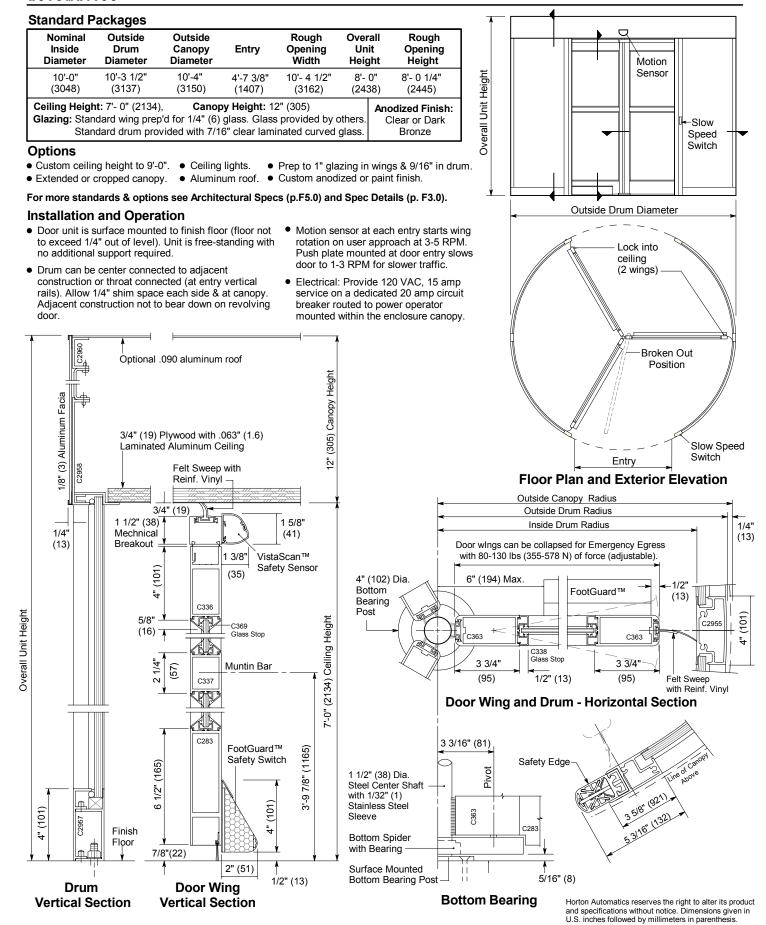
AutoFlow[®] Automatic Series 9330

The Automatic Choice

F2.9

Type: 3-Wing with Round Drum, Medium Stile

July 10





ARCHITECTURAL DETAILS

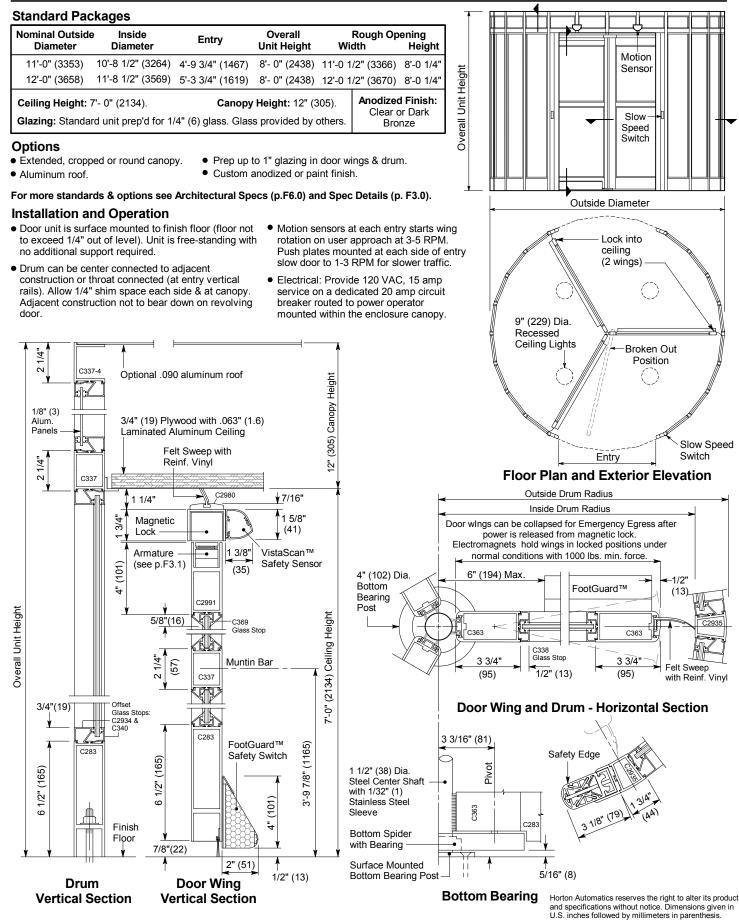
REVOLVING DOORS

MiniGrand[®] Automatic Series 9331MG

Type: 3-Wing with Segmented[®] Drum

F2.10

July 10





ARCHITECTURAL DETAILS

REVOLVING DOORS

MiniGrand[®] Automatic Series 9330MG

Type: 3-Wing with Round Drum

F2.11

July 10

The Automatic Choice Standard Packages Rough Opening Nominal Outside Inside Overall Entry Diameter Diameter Unit Height Width Height Motion 11'-0" (3353) 10'-8 1/2" (3264) 8'- 0" (2438) 11'-1" (3378) 4'-7 5/8" (1413) 8'-0 1/4' Sensor Height 12'-0" (3658) 11'-8 1/2" (3569) 5'-1 5/8" (1565) 8'-0" (2438) 12'-1" (3683) 8'-0 1/4' Canopy Outside Diameter = Nominal O.D. + 1/2" (13). Unit Anodized Finish: Ceiling Height: 7'- 0" (2134). Canopy Height: 12" (305). Clear or Dark Slow Overall Glazing: Standard wing prep'd for 1/4" (6) glass. Glass provided by others. Bronze Speed Standard drum provided with 7/16" clear laminated curved glass. Switch Options • Extended or cropped canopy. • Prep up to 1" glazing in wings & 9/16" in drum. Aluminum roof. · Custom anodized or paint finish. For more standards & options see Architectural Specs (p.F6.0) and Spec Details (p. F3.0). Outside Diameter Installation and Operation • Door unit is surface mounted to finish floor (floor not Motion sensors at each entry starts wing Lock into to exceed 1/4" out of level). Unit is free-standing with ceiling rotation on user approach at 3-5 RPM. no additional support required. Push plates mounted at each side of entry (2 wings) slow door to 1-3 RPM for slower traffic. • Drum can be center connected to adjacent construction or throat connected (at entry vertical • Electrical: Provide 120 VAC, 15 amp rails). Allow 1/4" shim space each side & at canopy. service on a dedicated 20 amp circuit Adjacent construction not to bear down on revolving breaker routed to power operator 9" (229) Dia. door. mounted within the enclosure canopy. Recessed Ceiling Lights Broken Out Position Optional .090 aluminum roof 12" (305) Canopy Height (3) Aluminum Facia 3/4" (19) Plywood with .063" (1.6) Laminated Aluminum Ceiling Slow Speed Switch Entry Felt Sweep with C2958 Floor Plan and Exterior Elevation Reinf. Vinyl .8 **Outside Canopy Radius** C2980 Outside Drum Radius 7/16 | 1/4" -1/4' 1/4' (6) (6)Door wings can be collapsed for Emergency Egress after power is 1 5/8" 3/4 Magnetic released from magnetic lock. Electromagnets hold wings in locked (41) Lock positions under normal conditions with 1000 lbs. min. force. 3/8" VistaScan™ Armature 6" (194) Max (see p.F3.1) Safety Sensor (101) -1/2' (35) FootGuard™ (13)<u>+</u> C2991 Overall Unit Height P (2134) Ceiling Height C363 C363 5/8"(16) -C369 Glass Stop Vinv C338 Glass Stop 3 3/4' 3 3/4 Sweep Reinf. 1/2" (13) 2 1/4" (95) (95) Muntin Bar (57) 4" (102) Dia. C337 Felt Bottom **Door Wing and Drum** Bearing Post P Horizontal Section -0-12 C283 3 3/16" (81) 4"(107) FootGuard™ (1165) Safety Switch 1 1/2" (38) Dia. Steel Center 1/2" (165) Pivot 7/8" Shaft Safety Edge with 1/32" (1) ດ ດາ ເຕ . 0 Stainless Steel (101) 4" (101) C363 Sleeve 2295 4 2283 Finish (921 Bottom Spider 3 518 Floor 53/16" (132) with Bearing 7/8"(22) Surface 2" (51) 11 Mounted 5/16" (8) 1/2" (13) Bottom Bearing Post Drum **Door Wing** Vertical Section **Bottom Bearing** Vertical Section



ARCHITECTURAL DETAILS

REVOLVING DOORS

Grand[®] Automatic Series 9631

Type: 3-Wing with Segmented[®] Drum (page 1 of 3)

F2.12

July 10

Standard Packages

Nominal Outside Diameter	Inside Diameter	Entry	Clear Access at Door Wing	Overall Unit Height	14/	Rough C	Dpening Height
Diameter	Diameter		at Door wing	Unit Height	~~	uun	Height
12'-0" (3658)	11'-8 1/2" (3569)	5'-3 3/4" (1619)	3'- 0 1/4" (921)	9'- 0" (2438)	12'-0 1/	2" (3670)	9'-0 1/4" (2750)
14'-0" (4267)	13'-8 1/2" (4173)	6'-3 3/4" (1924)	4'- 0 1/4" (1226)	9'- 0" (2438)	14'-0 1/	2" (4280)	9'-0 1/4" (2750)
16'-0" (4877)	15'-8 1/2" (4788)	7'-3 3/4" (2229)	5'- 0 1/4" (1530)	9'- 0" (2438)	16'-0 1/	2" (4890)	9'-0 1/4" (2750)
Ceiling Height: 7'- 0" (2134). Canopy Height: 24" (610).						Anoc	lized Finish:
Glazing: Standard unit prep'd for 1/4" (6) glass. Glass provided by others.						Clear	or Dark Bronze

Options

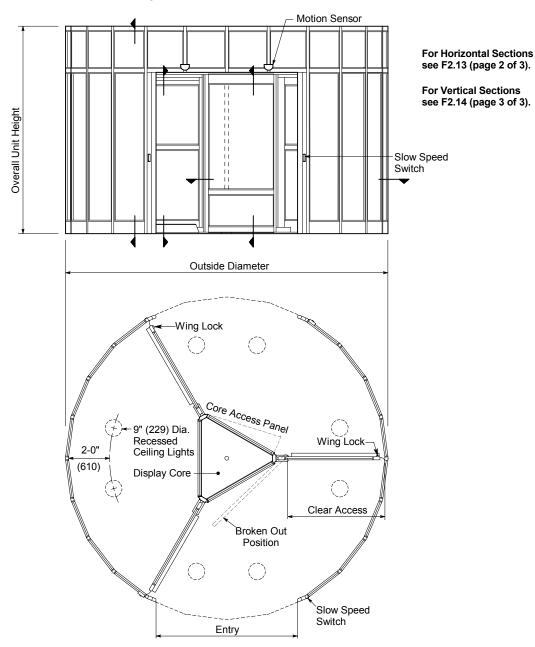
- Custom ceiling height up to 8'-0".
- Extended, cropped or round canopy.
- Aluminum roof.
- Prep up to 1" glazing in door wings & drum.
- Custom anodized or paint finish.

For more standards & options see Architectural Specs (p.F7.0) and Spec Details (p. F3.0).

Installation and Operation

- Door unit is surface mounted to finish floor (floor not to exceed 1/4" out of level). Unit is free-standing with no additional support required.
- Drum can be center connected to adjacent construction or throat connected (at entry vertical rails). Allow 1/4" shim space each side & at canopy. Adjacent construction not to bear down on revolving door.
- Push plates mounted at each side of entry slow door to 1-3 RPM for slower traffic. · Electrical: Provide 120 VAC, 15 amp service on a dedicated 20 amp circuit breaker routed to power operator mounted within the enclosure canopy.

• Motion sensors at each entry starts wing rotation on user approach at 3-5 RPM.



Floor Plan and Exterior Elevation

Horton Automatics reserves the right to alter its product and specifications without notice. Dimensions given in U.S. inches followed by millimeters in parenthesis.



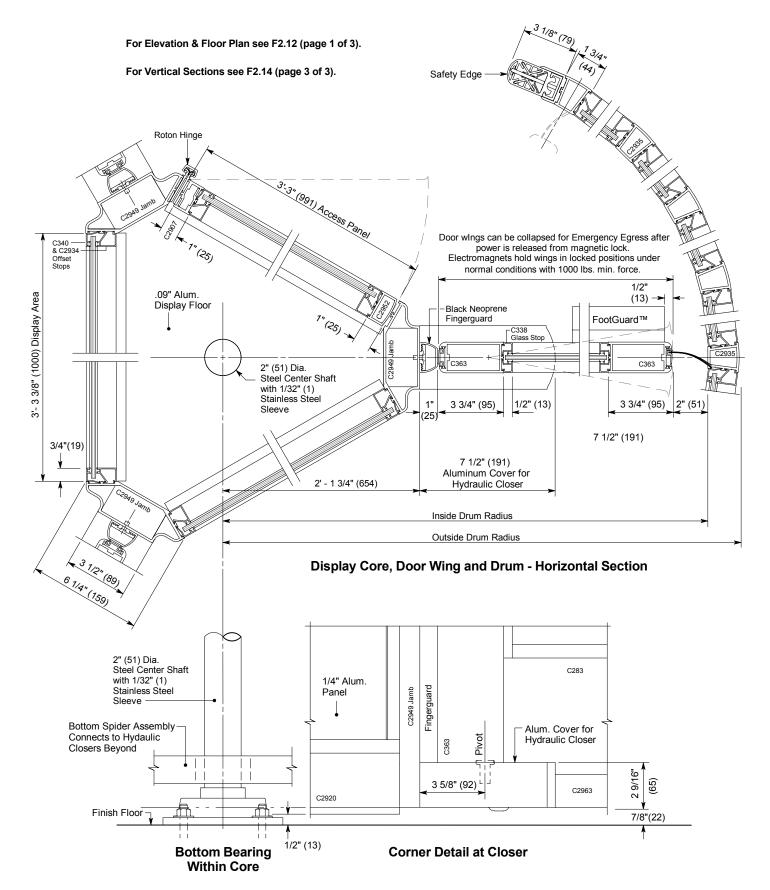
ARCHITECTURAL DETAILS

REVOLVING DOORS

Grand[®] Automatic Series 9631

Type: 3-Wing with Segmented[®] Drum (page 2 of 3)

F2.13 Jan 08





The Automatic Choice

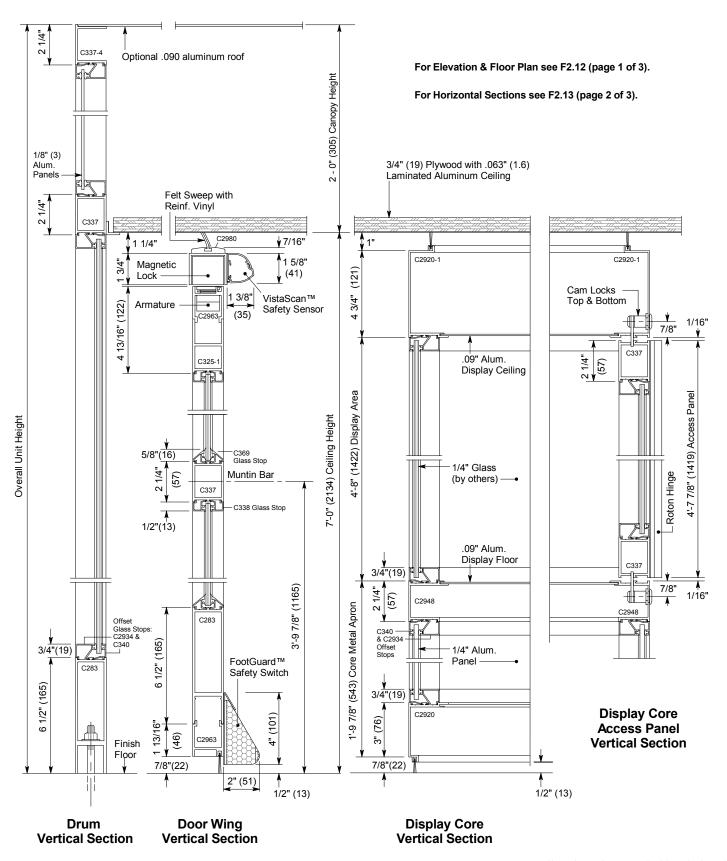
ARCHITECTURAL DETAILS

REVOLVING DOORS

Grand[®] Automatic Series 9631

Type: 3-Wing with Segmented $^{\ensuremath{\mathbb{R}}}$ Drum (page 3 of 3)

F2.14 Jan 08





ICS The Automatic Choice

ARCHITECTURAL DETAILS

REVOLVING DOORS

Grand[®] Automatic Series 9630

Type: 3-Wing with Round Drum (page 1 of 3)

F2.15

July 10

Standard Packages

Nominal Outside Diameter	lnside Diameter	Entry	Clear Access at Door Wing	Overall Unit Height	Wi	Rough C idth	Dpening Height
12'-0" (3658)	11'-8 1/2" (3569)	5'-1 5/8" (1565)	3'- 0 1/4" (921)	9'- 0" (2438)	12'-0 1/	2" (3670)	9'-0 1/4" (2750)
14'-0" (4267)	13'-8 1/2" (4173)	6'-1 5/8" (1870)	4'- 0 1/4" (1226)	9'- 0" (2438)	14'-0 1/	2" (4280)	9'-0 1/4" (2750)
16'-0" (4877)	15'-8 1/2" (4788)	7'-1 5/8" (2174)	5'- 0 1/4" (1530)	9'- 0" (2438)	16'-0 1/	2" (4890)	9'-0 1/4" (2750)
Canop	y Outside Diamet	er = Nominal O.D). + 1/2" (13).				
Ceiling Height: 7'- 0" (2134). Canopy Height: 24" (610).					Anodized Finish:		
Glazing: Standard wing prep'd for 1/4" (6) glass. Glass provided by others. Standard drum provided with 7/16" clear laminated curved glass.						Clear o	or Dark Bronze

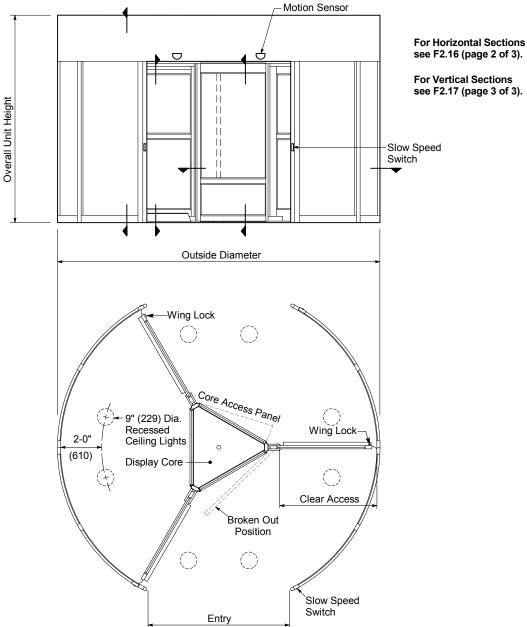
Options

- Custom ceiling height up to 8'-0".
- Extended or cropped canopy.
- Aluminum roof.
- Prep up to 1" glazing in door wings & 9/16" in drum.
- Custom anodized or paint finish.

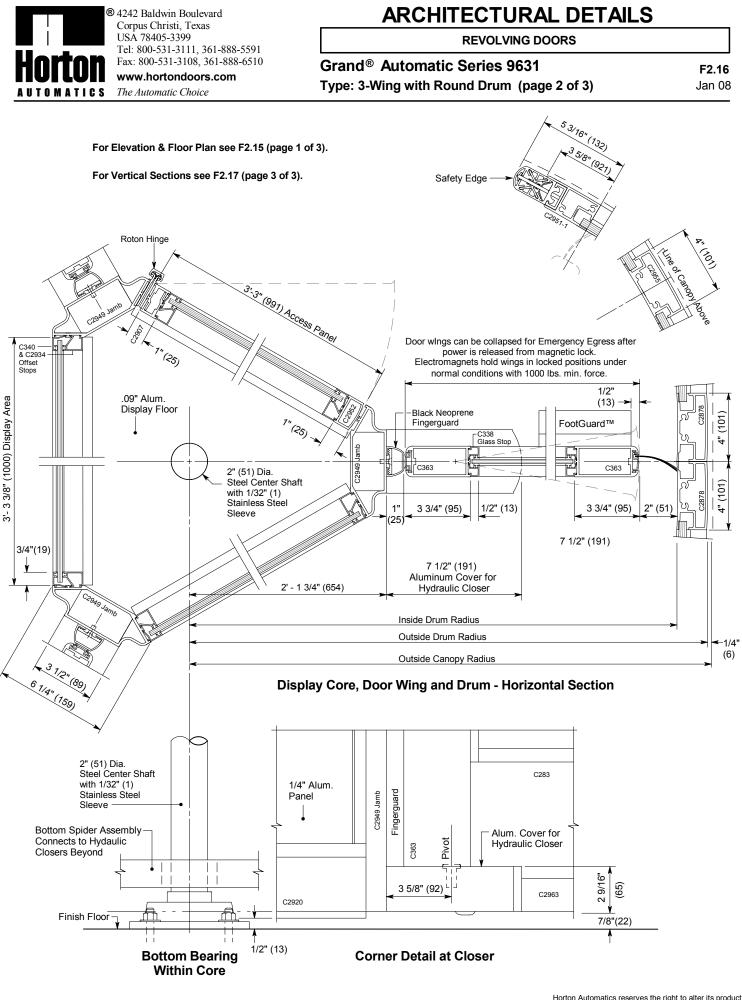
For more standards & options see Architectural Specs (p.F7.0) and Spec Details (p. F3.0).

Installation and Operation

- Door unit is surface mounted to finish floor (floor not to exceed 1/4" out of level). Unit is free-standing with no additional support required.
- Drum can be center connected to adjacent construction or throat connected (at entry vertical rails) (see p.F1.1). Allow 1/4" shim space each side & at canopy. Adjacent construction not to bear down on revolving door.
- Motion sensors at each entry starts wing rotation on user approach at 3-5 RPM. Push plates mounted at each side of entry slow door to 1-3 RPM for slower traffic.
- Electrical: Provide 120 VAC, 15 amp service on a dedicated 20 amp circuit breaker routed to power operator mounted within the enclosure canopy.



Floor Plan and Exterior Elevation



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The Automatic Choice

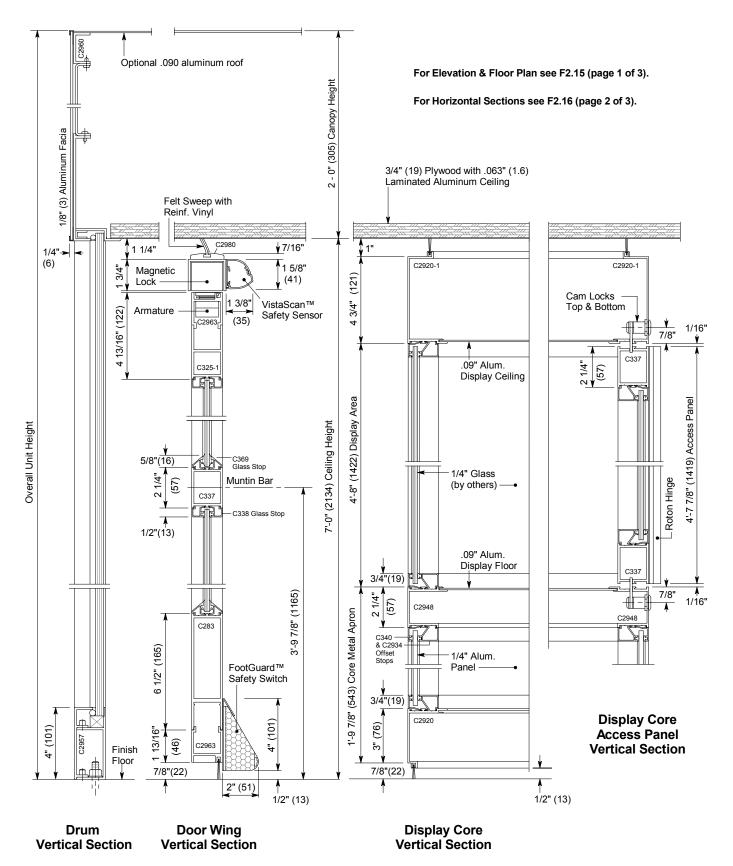
ARCHITECTURAL DETAILS

REVOLVING DOORS

Grand[®] Automatic Series 9631

Type: 3-Wing with Round Drum (page 3 of 3)

F2.17 Jan 08



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The Automatic Choice

ARCHITECTURAL DETAILS

REVOLVING DOOR ENTRANCES

Grand[®] Automatic Series 9620

Type: 2-Wing with Round Drum

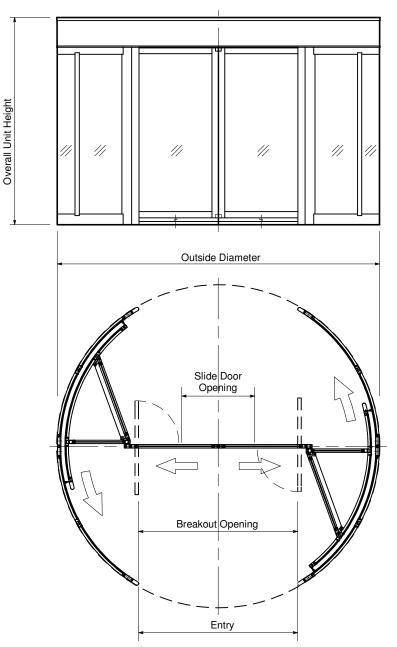
F2.18 Apr 13

Standard Packages

Nominal Outside Diameter	Inside Diameter	Entry / Breakout Opening	Slide Door Opening	Rough Opening Width	Options Extended canop
12'-1 3/16" (3688)	11'-9 3/4" (3600)	5'-10 7/8" (1800)	3'-7 5/16" (1100)	12'-1 3/4" (3670)	• Aluminum roof.
14'-0 13/16" (4288)	13'-9 1/4" (4200)	6'-10 11/16" (2100)	4'-7 1/16" (1400)	14'-1 3/8" (4280)	
16'-0 7/16" (4888)	15' - 9" (4800)	7'-10 1/2" (2400)	5'-6 15/16" (1700)	16'-1" (4890)	
Ceiling Height: 7'-6 Canopy Height: 1'-1	()		/4" glazing in door wir I or paint finish or stai	-	
Overall Unit Height:	8'-7 15/16" (2640)				

Installation and Operation

- Door unit is surface mounted to finish floor (floor not to exceed 1/4" out of level). Unit is free-standing with no additional support required.
- Drum can be center connected to adjacent construction. Allow 1/4" shim space each side & at canopy. Adjacent construction not to bear down on revolving door.
- Motion sensors at each entry starts wing rotation on user approach at 3-5 RPM. Push plates mounted at each side of entry slow door to 1-3 RPM for slower traffic.
- Electrical: Provide 120 VAC, 15 amp service on a dedicated 20 amp circuit breaker routed to power operator mounted within the enclosure canopy.



Floor Plan and Exterior Elevation

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