

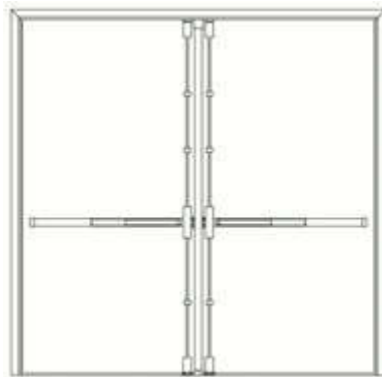
ZHLA.69 - Windstorm-rated Assemblies

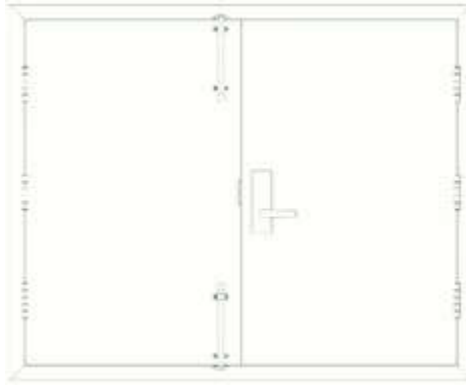
Windstorm-rated Assemblies

[See General Information for Windstorm-rated Assemblies](#)

Assembly No. 69

April 27, 2020





Standard	Rating
ANSI/SDI A250.13, TAS 201, TAS 202 (Structural only), TAS 203, ASTM E330, ASTM E1886 and ASTM E1996	Static and Cyclic load +/- 150 psf, Large Missile, Level E

Configuration	Permitted Size, Maximum	Design Pressure (psf)	Impact		
			Speed (ft/sec)	Energy (ft-lbs)	
Flush	Single Outswing	4'0" x 8'0"	+/- 150	80	895
	Pair Outswing	8'0" x 8'0"	+/- 150	80	895

Note: Refer to the table(s) below for product type requirements and options. Unequal width pair are allowed provided that the overall opening size meets min/max permitted size requirements for pairs and each individual leaf size meets min/max permitted size requirements for a single opening.

Single and Pair Outswing - Requirements

Product Type	Manufacturer	Model/Series
Door	CECO DOOR PRODUCTS, DIV OF ASSA ABLOY DOOR GROUP L L C (View Classification).	Medallion, min 14 gauge Legion, min 14 gauge
	CURRIES DIVISION OF AADG INC (View Classification).	Model 747, min 14 gauge Model 707, min 14 gauge
Frame	CECO DOOR PRODUCTS, DIV OF ASSA ABLOY DOOR GROUP L L C (View Classification).	Hollow metal, min. 16 gauge, min. 4" depth, max. 14" depth
	CURRIES DIVISION OF AADG INC (View Classification).	Hollow metal, min. 16 gauge, min. 5-3/4" depth, max . 14" depth
Latching hardware	SARGENT MFG CO (View Classification).	HC4-8700 Surface Vertical Rod Exit Device
Surface bolts	SARGENT MFG CO (View Classification).	988 Manual-type
Hinges	PEMKO MFG (View Classification).	SPBFM Continuous Hinge

		SPBFMHD Continuous Hinge
		FMSLIHD Continuous Hinge
		FMSLFHD Continuous Hinge
		FMHD Continuous Hinge
	MARKAR ARCHITECTURAL PRODUCTS INC (View Classification)	FM300 Continuous Hinge
		FM3500 Continuous Hinge
	Any (Butt Hinges)	Steel or stainless steel; 4-1/2" x 4-1/2" x 0.134 in. minimum. Minimum 4 hinges per leaf for doors greater than 90 in. Minimum 3 hinges per leaf for doors up to and including 90 in.

Single and Pair Outswing - Optional Accessories

Product Type	Manufacturer	Model/Series
Mullion	SARGENT MFG CO (View Classification)	HC980, 12-HC980, HCL980, 12-HCL980
Gasketing Materials	PEMKO MFG (View Classification)	18041NB, 18061NB, 18062NB, 18100NB, 18137NB, 18175NB, 18250NB, 18400NB, 18950NB, 283200NB, 285PK, 285R, 2891PK, 2891S, 2891V, 2892V, 2893V, 2902V, 2903V, 290PK, 290S, 290V, 293100NB, 29310NB, 29310P, 29310PK, 29310S, 29310V, 29313PK, 29324NB, 29326NB, 29344NB, 29346NB, 29366NB, 294V, 296PK, 296R, 296S, 297PK, 297S, 297V, 303PK, 303S, 303V, 305R, 305S, 306Q, 306V, 309P, 312R, 315BR, 315CN, 315SSR, 316PK, 316S, 316V, 319N, 319R, 319S, 321N, 322N, 322PK, 322SN, 322SPK, 329N, 330ES, 330V, 332R, 332S, 332SSR, 3452NB, 345NB, 35041NB, 35061NB, 350PK, 350R, 350SPK, 350SR, 368N, 375R, 379PK, 379R, 379S, 45041NB, 45061NB, 45062NB, 45100NB, 45137NB, 45175NB, 45250NB, 45400NB, 5041NB, 5061NB, 90062NB, 90100NB, 90137NB, AM44, AM88, P242, P261, P266, P381, P385 PF114, PK33, PK52, PK55, Q102, Q103, Q106, Q107, Q108, S104, S105, S109, S44, S442, S52, S77, S771x6, S773, S776, S88, S99 Perimeter seals**
		18041NB, 18061NB, 18062NB, 293100V, 29310P, 29310PK, 29310S, 29310V, 29313PK, 29324NB, 29326NB, 297PK, 297S, 297V, 303PK, 303S, 303V, 305N, 316PK, 316S, 316V, 332N, 351N, 351P, 351PK, 351S, 351V, 352, 355PK, 355S, 357, 3572, 3692PK, 369P, 369PK, 369S, 369V, 5041NB, 5061NB, S771, S772 Astragal/meeting stiles**
		2005, 2008, 2705_T, 2715, 2716, P255 Thresholds
Electronic power transfer	HANCHETT ENTRY SYSTEMS INC, DBA SECURITRON MAGNALOCK CORP (View Classification)	CEPT, EPT, EPTL, ICPT, and SEPT

Door position switch	Securitron Magnalock Corp.	DPS-M - 3/4" or 1" diameter hole in edge or top of door and frame (not bearing the UL Mark)
	Any	1" diameter preparations, switches must fit in cutout measuring 1.25" x 4.875"
Door viewer	Any	1" diameter and smaller hole preparation
Magnetic Lock	Any	Surface mounted or Shear

Note: All products bear the UL Classification Mark or Enhanced UL Certification Mark unless otherwise noted.

Wall — Not Shown. Masonry, wood stud, metal stud, structural steel, or concrete.

Last Updated on 2020-04-27

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