



Critical Design Criteria Comparison

	Matching Site Lines	Sections Safely Integrated into Design	High Performance Standard Glass & Frame	Minimal Interior Real Estate	Independently Tested/ Certified* (SEE BELOW)
Sectional Door					
Coiling Door				✓	
Lift and Slide Door			✓		✓
Counterbalanced Door	✓				
Hydraulic Door	✓				
Articulating Overhead Door				✓	
Architectural Direct Drive Door	✓	✓	✓	✓	✓

* Independent Testing Performed (See Reverse Side for Detailed Report)

ASTM E331: Water Penetration
ASTM E330: Air Pressure

ASTM E283: Air Leakage
ASTM E1886-13: Large Missile Impact

NFRC 102: Thermal Performance
ASCE 7-10: Structural Performance

	FOLDING SYSTEM	SLIDING SYSTEM	HYDRAULIC SYSTEM	PULLEY, CABLE & COUNTERWEIGHT SYSTEM	ARTICULATED OVERHEAD DOOR SYSTEM	ARCHITECTURAL DIRECT DRIVE SYSTEM
	HORIZONTAL - ACTING DOOR SYSTEMS		VERTICALLY - ACTING DOOR SYSTEMS			
SIDEROOM REQUIRED: OPERATOR SIDE (IF APPLICABLE)	2 9/16 "	1 9/16 "	18"	15 1/8" min	10 1/8"	5 1/2"
SIDEROOM REQUIRED: NON-OPERATOR SIDE (IF APPLICABLE)	2 9/16 "	1 9/16 "	4"	15 1/8"	10 1/8"	5 1/2"
HEADROOM REQUIRED:	6 1/2"	8 3/8"	4"	24" min	21 3/8"	13 1/4"
WEDGE DIMENSION (SPACE TAKEN AWAY FROM CLEAR OPENING HEIGHT)	N/A	N/A	36"	17 3/16 "	15+"	14"
SPACE TAKEN WAY FROM CLEAR OPENING WIDTH	15 3/8" (SIX PANEL DESIGN)	13 7/8" (SIX PANEL DESIGN)	0"	0"	0"	0"
TOTAL SPACE IN/ AROUND OPENING REQUIRED	27"	25 3/8"	62"	71 7/16 "	56 5/8"	43"
AIR INFILTRATION (ASTM E283)	0.02 @ 1.57psf 0.06 @ 6.24psf	0.30 @ 1.6psf	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	0.00 @ 1.57psf 0.00 @ 6.24psf
WATER PENETRATION (ASTM E331)	Passed @ 12psf	Passed @ 2.92 psf or 6 psf (depending on weephole placement)	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	Passed @ 15.0psf Passed @ 17.0psf
STRUCTURAL LOAD DEFLECTION (ASTM E330)	Pass up to 45 psf	Pass up To 45 psf	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	Pass up to 60 psf
STRUCTURAL LOAD STANDARD (ASCE 7-10)	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	Windspeed equal to 200 mph, Exposure D. Ultimate Wind Pressure 180 psf.
LARGE MISSILE IMPACT TEST (ASTM E1886-13)	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	NO TESTING PUBLISHED	Passed, Missile Speed 49.8 ft/sec