SLIDING DOOR **SPECIFICATIONS**

General:
Doors shall be series 6800, 6801, 6820, 6821, 6830, 6850, 6860, 6870, 6880 horizontal sliding door systems as described in the brochure and manufactured by International Window Corporation (Select one).

Material:
Frames and sash members shall be aluminum extrusions of 6063-T5 alloy and temper. All sections shall conform to details within commercial tolerances, and in all cases shall be free from defects impairing strength, durability, or appearance.

Finish:
All extruded aluminum windows shall be furnished in bronze paint, white paint, mojave beige (IWC Arizona only), and clear or bronze anodize (Select one).

Construction:
Corners of all frames and panels shall be accurately cut to present neat, tight-fitting joints and shall be securely joined with self-tapping zinc plated steel screws. Corner joints of the frame shall be fully caulked to prevent leakage. The sill must include a high inside water leg and condensation trap and be so designed that water will run off to the outside only. Vent panels shall be the “lift out” type to facilitate cleaning. Self tightening interlocks shall be provided on the fixed and vent panels for complete control of water and air leakage.

Weatherstripping:
All weatherstripping in contact with the rolling panel shall be friction-resistant silicone treated wool pile and contain a center fin to form a barrier between panels and frame. All fixed panel joints shall contain vinyl weatherstripping to insure a tight seal.

Glazing:
Tempered safety glass is standard on all doors. Fixed and sliding panels shall be constructed to allow for either shop or field glazing and installation into the frame either before or after plastering.

Hardware:
All white, desert sand or mojave beige doors shall have a matching finish handle, bronze paint or bronze anodized doors shall have black finish handle and a mortise type lock with hold open latch. A keyed cylinder may be applied either before or after installation to operate the lock from the outside. Steel tired rollers in heavy cadmium plating housing shall be adjustable after installation for alignment and ease of operation.

Screens:
Screen frames shall be fabricated from heavy guage aluminum extrusions or rolled formed steel profiles. Screens shall have adjustable nylon rollers in all four corners which will not allow the screen to leave the track when properly adjusted. The screen cloth shall be 18 x 16 mesh fiber glass. Screens shall not interfere with the operation of sliding panels or impede water drainage from the sill.

Erection:
All door frames shall be set by others in a level, plumb and square condition without distortion. Panels must be installed without forcing, springing or bowing. Units shall be properly caulked to prevent water leakage. After installation, the general contractor shall be responsible for protecting the units during the balance of construction. Upon completion of construction, the general contractor shall be responsible for cleaning the aluminum and glass without the use of abrasive agents.

Performance tested to:
- AAMA/ANSI 101/I.S.2-97 Standards
- Security tested to California & L.A. County ordinance
- Thermally tested to NFRC 100 and 200.
- Sealed insulated glass to “A” Level
- Sound tested to ASTM E90-99. STC determined in accordance with ASTM E 413-87.
- Tempered glass tested to Z97.1.

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SLIDING DOOR **NFRC**

	U-Factor Residential Only						SHGC			Visible Light		
	Air fill	w/ Argon	Sculp Grid	Sculp Grid w/ Argon	1/8" x 3/4" Grid	1/8" x 3/4" Grid w/ Argon		Sculp Grid	1/8" x 3/4" Grid		Sculp Grid	1/8" x 3/4" Grid
DS clear/ DS clear	0.64	0.63	0.66	0.63	0.64	0.63	0.66	0.52	0.59	0.71	0.54	0.62
3/16 clear/ 3/16 clear	0.66	0.64	0.70	0.67	0.70	0.67	0.63	0.50	0.56	0.70	0.54	0.61
1/4 clear/ 1/4 clear	0.69	0.66	N/A	N/A	0.70	0.66	0.62	N/A	0.55	0.69	N/A	0.61
DS EnergyShield/ DS clear	0.50	0.46	0.52	0.48	0.50	0.46	0.33	0.26	0.29	0.61	0.47	0.53
3/16 EnergyShield/ 3/16 clear	0.53	0.48	0.59	0.54	0.59	0.54	0.33	0.26	0.29	0.60	0.46	0.53
1/4 EnergyShield/ 1/4 clear	0.57	0.51	N/A	N/A	0.59	0.53	0.33	N/A	0.29	0.59	N/A	0.52
SB60 SolarGrey DS / DS clear	0.50	0.47	0.52	0.48	0.50	0.47	0.23	0.18	0.21	0.35	0.27	0.31
SB60 SolarGrey 3/16 / 3/16 clear	0.53	0.48	0.59	0.54	0.59	0.54	0.23	0.19	0.21	0.34	0.26	0.30
SB60 SolarGrey 1/4 / 1/4 clear	0.57	0.52	N/A	N/A	0.59	0.53	0.23	N/A	0.21	0.32	N/A	0.29
DS bronze/ DS clear	0.64	0.63	0.66	0.63	0.64	0.63	0.55	0.43	0.48	0.53	0.40	0.46
3/16 bronze/ 3/16 clear	0.66	0.64	0.70	0.67	0.70	0.67	0.49	0.38	0.43	0.46	0.35	0.40
1/4 bronze/ 1/4 clear	0.69	0.66	N/A	N/A	0.70	0.66	0.45	N/A	0.40	0.41	N/A	0.36
3/16 Solarcool/ 3/16 clear	0.66	0.64	0.70	0.67	0.70	0.67	0.32	0.26	0.29	0.18	0.14	0.16
DS grey/ DS clear	0.64	0.63	0.66	0.63	0.64	0.63	0.51	0.40	0.45	0.47	0.36	0.42
3/16 grey/ 3/16 clear	0.66	0.64	0.70	0.67	0.70	0.67	0.44	0.35	0.39	0.39	0.30	0.35
1/4 grey/ 1/4 clear	0.69	0.66	N/A	N/A	0.70	0.66	0.41	N/A	0.36	0.34	N/A	0.30
DS greylite # 31/ DS clear	0.64	0.63	0.66	0.63	0.64	0.63	0.41	0.32	0.37	0.24	0.18	0.21
1/4 greylite # 31/ 1/4 clear	0.69	0.66	N/A	N/A	0.70	0.66	0.31	N/A	0.27	0.11	N/A	0.09
DS Azurelite/ DS clear	0.64	0.63	0.66	0.63	0.64	0.63	0.43	0.34	0.38	0.61	0.47	0.53
3/16 Azurelite/ 3/16 clear	0.66	0.64	0.70	0.67	0.70	0.67	0.37	0.30	0.33	0.56	0.43	0.49
1/4 Azurelite/ 1/4 clear	0.69	0.66	N/A	N/A	0.70	0.66	0.35	N/A	0.32	0.53	N/A	0.47
DS bronze/ DS EnergyShield	0.50	0.46	0.52	0.48	0.50	0.46	0.32	0.26	0.29	0.45	0.35	0.40
3/16 bronze/ 3/16 EnergyShield	0.53	0.48	0.59	0.54	0.59	0.54	0.30	0.24	0.26	0.39	0.30	0.34
1/4 bronze/ 1/4 EnergyShield	0.57	0.51	N/A	N/A	0.59	0.53	0.28	N/A	0.25	0.35	N/A	0.31
DS grey/ DS EnergyShield	0.50	0.46	0.52	0.48	0.50	0.46	0.32	0.26	0.29	0.45	0.35	0.40
3/16 grey/ 3/16 EnergyShield	0.53	0.48	0.59	0.54	0.59	0.54	0.27	0.22	0.24	0.34	0.26	0.30
1/4 grey/ 1/4 EnergyShield	0.57	0.51	N/A	N/A	0.59	0.53	0.26	N/A	0.23	0.29	N/A	0.26
DS Azurelite/ DS EnergyShield	0.50	0.46	0.52	0.48	0.50	0.46	0.32	0.25	0.28	0.52	0.40	0.46
3/16 Azurelite/ 3/16 EnergyShield	0.53	0.48	0.59	0.54	0.59	0.54	0.30	0.23	0.26	0.48	0.37	0.42
1/4 Azurelite/ 1/4 EnergyShield	0.57	0.51	N/A	N/A	0.59	0.53	0.29	N/A	0.26	0.45	N/A	0.40
3/16 Solex/ 3/16 EnergyShield	0.53	0.48	0.59	0.54	0.59	0.54	0.31	0.25	0.28	0.53	0.41	0.47

U-Value is the overall coefficient of heat transmittance of heat flow measured in BTU/hr.* ft2* °F. Lower U-Values indicate better performance. Winter nighttime U-Values are calculated using an outdoor air temperature of 0 °F and indoor air temperature of 70 °F.

Solar Heat Gain Coefficient is defined that fraction of incident solar radiation that actually enters a building through the window as heat gain. The SHGC is expressed as a dimensionless number from 0 to 1.0 A high coefficient signifies high heat gain, while a low number means low heat gain.

Visible Transmittance is the amount of light in the visible portion of the spectrum that passes through a glazing material. This property does not directly affect heating and cooling loads in a building.