HORIZONTAL SLIDING **SPECIFICATIONS**

General:
Windows shall be series 6220, 6221, 6260 and 6280 Horizontal Sliding window systems as described in the brochure and manufactured by International Window Corporation.

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.

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 sliding panels and center mullions for complete control of water and air leakage.

Weatherstripping:
The wool pile shall be friction-resistant silicone treated and contain a center fin to form a continuous single plane barrier between panels and frame.

Glazing:
Fixed glass 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:
Sliding panels shall be equipped with a cam lock. Panels shall not be removable from the outside when in a locked position. The lock shall not require any adjustment to latch securely. Sliding panels shall be provided with steel rollers and shall be adjustable after installation for alignment and ease of operation.

Screens:
Screen frames shall be fabricated from, $\frac{7}{16}$" x $\frac{3}{4}$" tubular roll-formed aluminum section. The screen cloth shall be 18 x 16 mesh fiberglass. Screens shall be removable from the outside or inside. When in place, they shall not interfere with the operation of sliding panels or impede water drainage from the sill.

Erection:
All window 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.

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HORIZONTAL SLIDING **NFRC**

6220 RESIDENTIAL ¾" INSULATING GLASS UNIT PERFORMANCE	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	No Grid	Sculp Grid	1/8" x 3/4" Grid	No Grid	Sculp Grid	1/8" x 3/4" Grid
SS clear/ SS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.69	0.56	0.63	0.72	0.58	0.65
DS clear/ DS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.67	0.54	0.61	0.71	0.57	0.64
3/16 clear/ 3/16 clear	0.67	0.64	0.70	0.67	0.70	0.67	0.64	0.52	0.58	0.70	0.56	0.63
SS EnergyShield/ SS clear	0.50	0.47	0.52	0.48	0.50	0.47	0.33	0.27	0.30	0.61	0.49	0.55
DS EnergyShield/ DS clear	0.50	0.47	0.52	0.48	0.50	0.47	0.33	0.27	0.30	0.61	0.49	0.54
3/16 EnergyShield/ 3/16 clear	0.54	0.49	0.58	0.53	0.58	0.53	0.33	0.27	0.30	0.60	0.48	0.54
SB60 SolarGrey SS / SS clear	0.51	0.47	0.52	0.48	0.51	0.47	0.29	0.24	0.27	0.48	0.39	0.44
SB60 SolarGrey DS / DS clear	0.51	0.47	0.52	0.48	0.51	0.47	0.27	0.22	0.25	0.42	0.34	0.38
SB60 SolarGrey 3/16 / 3/16 clear	0.54	0.49	0.59	0.54	0.59	0.54	0.25	0.21	0.23	0.35	0.28	0.32
SS bronze/ SS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.33	0.27	0.30	0.18	0.15	0.16
DS bronze/ DS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.52	0.42	0.47	0.48	0.38	0.43
3/16 bronze/ 3/16 clear	0.67	0.64	0.70	0.67	0.70	0.67	0.51	0.42	0.47	0.48	0.38	0.43
3/16 Solarcool/ 3/16 clear	0.67	0.64	0.70	0.67	0.70	0.67	0.45	0.37	0.41	0.40	0.32	0.36
SS grey/ SS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.42	0.34	0.38	0.24	0.19	0.22
DS grey/ DS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.49	0.40	0.44	0.65	0.52	0.58
3/16 grey/ 3/16 clear	0.67	0.64	0.70	0.67	0.70	0.67	0.43	0.35	0.39	0.61	0.49	0.55
DS greylite # 31/ DS clear	0.65	0.63	0.63	0.63	0.63	0.63	0.38	0.31	0.35	0.56	0.45	0.51
SS Azurelite/ SS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.35	0.29	0.32	0.50	0.40	0.45
DS Azurelite/ DS clear	0.65	0.63	0.65	0.63	0.65	0.63	0.33	0.27	0.30	0.45	0.36	0.40
3/16 Azurelite/ 3/16 clear	0.67	0.64	0.70	0.67	0.70	0.67	0.30	0.25	0.27	0.39	0.31	0.35
SS bronze/ SS EnergyShield	0.50	0.47	0.52	0.48	0.50	0.47	0.32	0.26	0.29	0.41	0.33	0.37
DS bronze/ DS EnergyShield	0.50	0.47	0.52	0.48	0.50	0.47	0.31	0.25	0.28	0.41	0.33	0.36
3/16 bronze/ 3/16 EnergyShield	0.54	0.49	0.58	0.53	0.58	0.53	0.28	0.23	0.25	0.34	0.27	0.30
SS grey/ SS EnergyShield	0.50	0.47	0.52	0.48	0.50	0.47	0.35	0.28	0.32	0.55	0.44	0.49
DS grey/ DS EnergyShield	0.50	0.47	0.52	0.48	0.50	0.47	0.32	0.27	0.29	0.52	0.42	0.47
3/16 grey/ 3/16 EnergyShield	0.54	0.49	0.58	0.53	0.58	0.53	0.30	0.25	0.27	0.48	0.38	0.43
SS Azurelite/ SS EnergyShield	0.50	0.47	0.52	0.48	0.50	0.47	0.32	0.26	0.29	0.53	0.43	0.48
DS Azurelite/ DS EnergyShield	0.50	0.47	0.52	0.48	0.50	0.47	0.32	0.27	0.29	0.52	0.42	0.47
3/16 Azurelite/ 3/16 EnergyShield	0.54	0.49	0.58	0.53	0.58	0.53	0.30	0.25	0.27	0.48	0.38	0.43

U-Factor is the overall coefficient of heat transmittance of heat flow measured in BTU/hr.* ft2* °F. Lower U-Factors indicate better performance. Winter nighttime U-Factors 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.