

DIAMOND DOOR PRODUCTS, LTD.

HORIZONTAL SLIDE AND FIXED WINDOWS

SPECIFICATIONS:

- DIAMOND DOOR Horizontal Slide and Fixed Windows are fabricated from 6063 T-5 aluminum alloy.
- The corners and connecting members are all die cut and punched for an exact fit.
- Standard finishes are mill or bronze painted.
- Pile type weather-stripping for long life weathering. (Horizontal Slide)
- Brass wheels on vents along with vinyl slides assure smooth sliding motion. (Horizontal Slide)
- Half screens of charcoal fiber glass furnished on all windows. (Horizontal Slide)
- Cartoned in corrugated boxes for added protection.
- Non insulated DSB (double strength "B" float) clear annealed glass furnished as a standard in horizontal slide windows. (factory glazed)
- Non insulated DSB (double strength "B" float) tinted tempered glass furnished as a standard in the Fixed windows. (factory glazed)
- Insulated glass consisting of two pieces of 1/8" DSB clear annealed utilizing a 1/4" spacer hermetically sealed with a poly sulfide sealant as a standard in all insulated horizontal slide windows. (factory glazed)
- Insulated glass consisting of two pieces of 1/8" DSB tinted tempered utilizing a 1/4" spacer hermetically sealed with a poly sulfide sealant as a standard in all insulated Fixed windows. (factory glazed)
- Windows shall conform to HS-C25 (horizontal slide) and F-HC40 (fixed)
- Windows meet or exceeds the reference criteria for the appropriate window type.

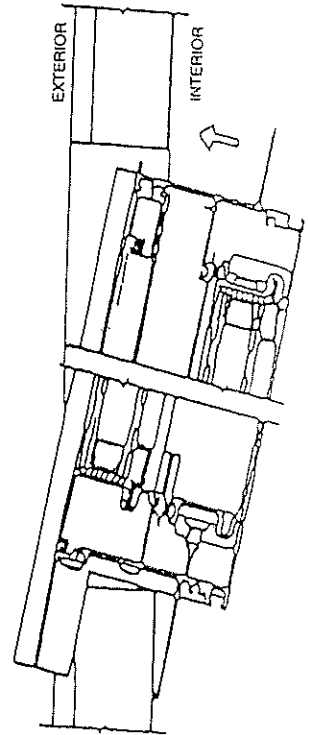
WARRANTY:

- The window manufacture shall warrant the quality of workmanship for (1) year [five] years for insulated glass seal only) the performance of the factory fabricated window unit as it relates to air, water and structural integrity.
- The erector shall be responsible for the window and fin application adequately anchoring to the building in regards to flashing and sealing.
- These windows assemblies do not satisfy the Texas Department of Insurance's or Florida's Dade county criteria for protection from wind borne debris. These window assemblies will need to be protected with an impact protective system if installed in area's indicated as wind borne debris areas.

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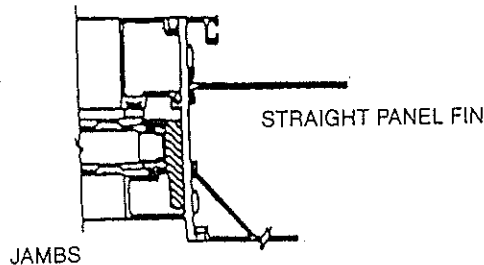
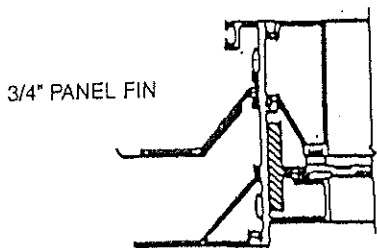
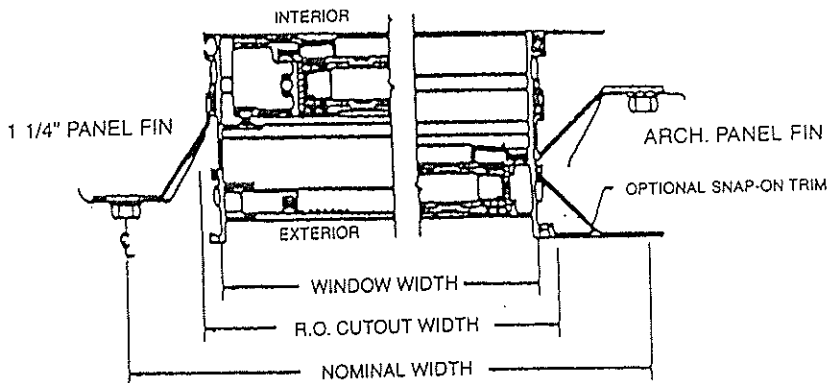
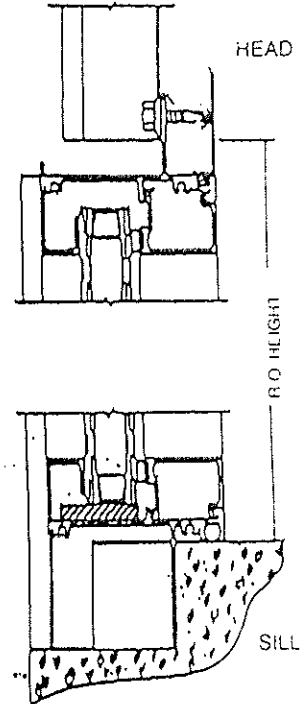
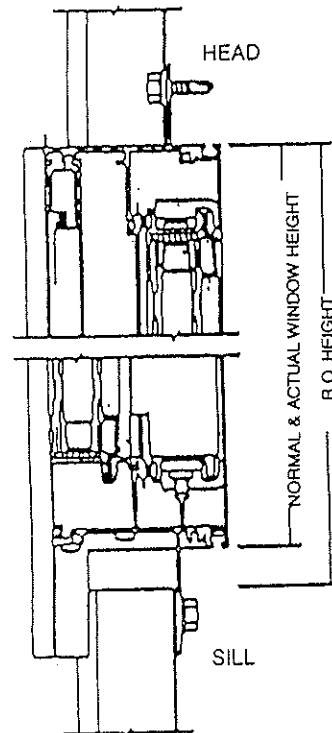
HORIZONTAL SLIDE WINDOWS Installation Instructions

1. After selecting location of window cut panel for rough opening as indicated in the tables below
2. If required install vertical jamb supports (by others)
3. Install panel fin adapters in vertical tack from top of window until flush with head fin
4. From the inside of building set window over bottom panel and set into position
5. Flush top of window to top panel
6. With self drilling tec screws attach through panel into panel fins
7. Complete by caulking sides and top of window



Nominal Window Width	Net Window Width	Rough Opening Width
2'0"	1'9 1/2"	1'10"
3'0"	2'9 1/2"	2'10"
4'0"	3'9 1/2"	3'10"
5'0"	4'9 1/2"	4'10"
6'0"	5'9 1/2"	5'10"

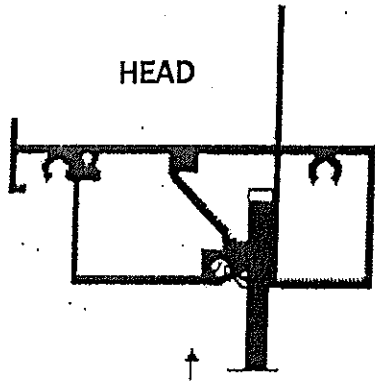
Net Window Height	Rough Opening Height
2'0"	2' 1/2"
3'0"	3' 1/2"
4'0"	4' 1/2"
5'0"	5' 1/2"
6'0"	6' 1/2"



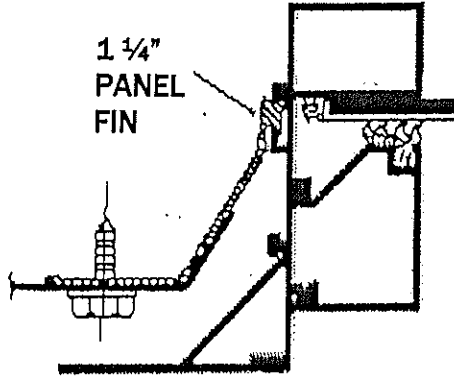
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ALUMINUM FIXED WINDOWS

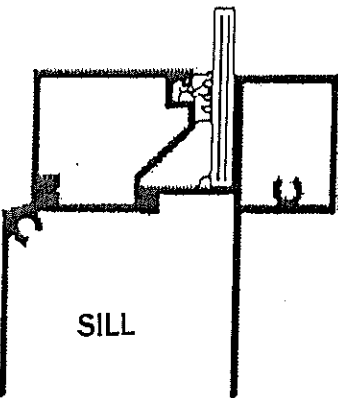
HEAD, SILL & JAMB DETAIL



HEAD

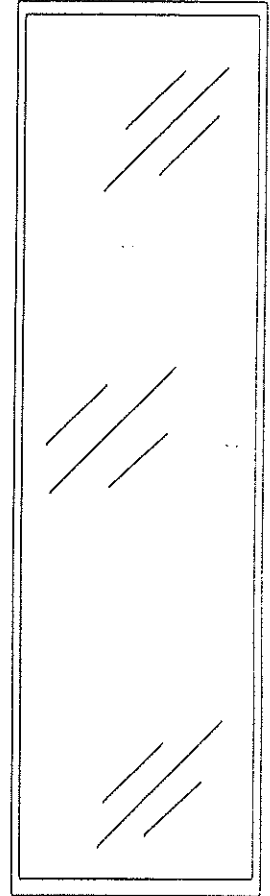


1 1/4"
PANEL
FIN



SILL

Standard fixed window package includes 1 1/4" "R" panel fins & jamb trim. 3/4", flat, & "A" fins are also available.



Nominal Window Width	Rough Opening Width	Nominal Window Height	Rough Opening Height
1'0"	10"	6'0"	6' 1/2"
2'0"	1'10"	7'0"	7' 1/2"

Available Options - *Bronze Finish Only*

Glass Type	Width	Height
1/4" Tinted Tempered	1'0"	6'0"
1/2" Tinted Tempered Insulated	2'0"	7'0"

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Calculated <i>Center-of-Glass</i> Thermal and Optical Properties Based on NFRC 100-2001 Environmental Design Conditions			
Details for Double Glazing as Specified			
Outdoor Glass Lite	1/8" (3mm) Clear		
Gas Cavity Dimension	1/4" (6mm)		
Gas Fill	Air		
Indoor Glass Lite	1/8" (3mm) Clear		
Calculated Thermal and Optical Properties			
U-Values (K -Values)	Metric (Kcal/hr/m ² /C)	Metric (W/m ² /C)	English (BTU/hr/ft ² /F)
Winter Nighttime	2.68	3.11	0.55
Summer Daytime	2.75	3.20	0.56
Shading Coefficient	0.86		
Solar Heat Gain Coefficient	0.75		
Relative Heat Gain	Metric (Kcal/hr/m ²)	Metric (W/m ²)	English (BTU/hr.ft ²)
	487	567	180
LSG (Light to Solar Gain Ratio)	1.09		
Transmittance (%)			
Visible	81		
Ultraviolet / Krochman Damage Weighted	58 / 61		
Total Solar Energy	68		
Reflectance (%)			
Visible (Out)	16		
Visible (In)	16		
Total Solar Energy (Out)	13		
Color Properties	L*	a*	b*
Transmittance (%)	92.29	-1.98	0.21
Reflectance	46.46	-1.15	-1.15

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Details for Double Glazing as Specified			
Outdoor Glass Lite	1/8" (3mm) Clear		
Gas Cavity Dimension	1/4" (6mm)		
Gas Fill	Air		
Indoor Glass Lite	1/8" (3mm) Solarbronze		
Calculated Thermal and Optical Properties			
U-Values (K -Values)	Metric (Kcal/hr/m2/C)	Metric (W/m2/C)	English (BTU/hr/ft2/F)
Winter Nighttime	2.68	3.11	0.55
Summer Daytime	2.75	3.20	0.56
Shading Coefficient	0.79		
Solar Heat Gain Coefficient	0.69		
Relative Heat Gain	Metric (Kcal/hr/m2)	Metric (W/m2)	English (BTU/hr.ft2)
	452	525	167
LSG (Light to Solar Gain Ratio)	0.88		
Transmittance (%)			
Visible	61		
Ultraviolet / Krochman Damage Weighted	33 / 38		
Total Solar Energy	53		
Reflectance (%)			
Visible (Out)	14		
Visible (In)	11		
Total Solar Energy (Out)	12		
Color Properties	L*	a*	b*
Transmittance (%)	81.87	1.01	3.22
Reflectance	44.39	-0.52	-0.60