

## **SPECIFICATIONS**

### **GENERAL**

Aluminum framing shall be Marlin System 60 thermally improved as manufactured by Marlin windows.

### **MATERIALS**

All framing shall be aluminum extrusions of 6063-T5 alloy & temper with a minimum wall thickness of .094". System 60 shall have a PVC thermal separator to eliminate contact between the interior and exterior sections. Glazing gaskets shall be extruded E.P.D.M. System shall accommodate vertical structural silicone butt glazing (Architect specify).

### **FINISH**

Standard architectural Class II anodic color conforming to Aluminum Association AA-M12-C22-A34 for dark bronze or AA-M12-C22-A31 for clear anodize. (Architectural Class I and Class II anodic finishes and organic coatings available - specify).

### **CONSTRUCTION**

Aluminum framing shall have a 2 1/2" face width and a depth of 7 3/8" or 5 3/4" - (Architect to specify) and provide for flush glazing without projecting stops. Optional low profile vent (Architect to specify) **Maximum vent 60" x 36"**.

### **OPTIONS**

- \*Incorporating standard Marlin project-out windows and all glass structural glazed vents.
- \*Various beauty cap depths and profiles.
- \*Fiber glass pressure plate in lieu of aluminum.
- \*Steel reinforcing
- \*Standard and custom sunshades.

### **SEISMIC**

System shall be tested to withstand seismic racking without loss of integrity.

### **PERFORMANCE**

System 60 test in accordance with AAMA 501 and meet the requirements of ASTM E 331 for water penetration, and ASTM E 330 for structural performance. Deflection of mullions shall be limited to L/175 when subjected to the project design pressure of \_\_\_\_P.S.F. (Architect to specify).

System 60 NFRC Simulation test in accordance with ANSI/NFRC 100, Procedure for Determining Fenestration Product U-Factors (2014), ANSI/NFRC 200, Procedure for Determining Fenestration Product Solar Heat Gain Coefficients at Normal Incidence (2014), NFRC 500, Procedure for Determining Fenestration Product Condensation Resistance Values (2014)

### **GLAZING**

Marlin system 60 shall accommodate 1" glazing as required. Provisions for 1/4" glazing shall be accommodated by use of an adapter.

### **INSTALLATION**

Experienced workman in accordance with approved shop drawings shall install system 60. Glass and framing shall be installed straight, plumb, and level without twisting and securely anchored in place. All joints between framing and the building exterior shall be sealed to provide a watertight installation.

### **PROTECTION AND CLEANING**

The General Contractor shall provide adequate protection of the aluminum and glass surfaces from damage by grinding compound, lime, acids, cement or other contaminants. The General Contractor shall be responsible for final cleaning.