

Professional Series

Patio Door Specifications

- Frame:** Shall be select softwoods treated with water repellent preservative in accordance with WDMA I.S. 4-00. Interior of the frame will be finger-jointed. Interior can be stained or painted ; however, this is considered a paint grade door. Exterior of the frame will be painted extruded aluminum. Brickmould and exterior trims will be painted extruded aluminum. Sill on swing units is aluminum with PVC interior threshold with an oak impression. Mill finish sill is standard on swing units; bronze and champagne anodized sills are optional at no additional charge. Slider sills are bronze fiberglass. Entry door systems will have a single frame with a continuous head and sill. Standard frame depth is 4-9/16". 2" jamb extension is available for 6-9/16" frame depth.
- Door Panels:** Shall be select softwoods with Radiata pine veneers treated with water repellent preservative in accordance with WDMA I.S. 4-00. Stiles and rails shall be fastened with ribbed hardwood dowels. Interior can be stained or painted ; however, they are considered a paint grade door. Engineered cores are constructed of laminated wood components for maximum strength and stability. Edges of the door panels are finger-jointed. Stiles are 4-1/2" wide, top rail is 5-1/4" wide, 5-1/4" bottom rail at 6'8" units, 8" bottom rail at all 6'11" and 8'0" tall units.
- Finish:** A clear pine veneer interior, painted aluminum exterior in white, sandstone, earthtone, bronze, ivory, green, black, and cinnamon. Primed interior also available.
- Glazing:** Cardinal® supplies Atrium's Insulated Glass. These shall be 3/4" double pane LoE² insulating glass as standard, a full perimeter bead of silicone, and interior wood stops. A wide array of other glass options is offered including LoE³ or 366, clear, tinted, obscure, preserve and Neat™.
- Weather-stripping:** Frame weather-stripping on swing units shall be a dual-seal weather-strip which seals against both the face and the edge of the panel. It shall be installed in the side jambs and head for positive protection against air and water infiltration. The sill weather-stripping includes three separate components: pile, foam, and fin weather seals for maximum performance.
- Hardware:** 3-1/2" non-adjustable hinges are standard on all swing doors, adjustable hinges are optional. Adjustable hinges are standard on all entry doors. Double bore, single bore, and no bore are optional at no charge. Operating panels can be shipped with lockset and deadbolt holes predrilled with a 2-3/8" backset. Flush bolts are provided at secondary French (Bi-Hinge panels). Multi-point locks are standard on sidelite panels. Hardware finishes are available in brass, white, black, pewter, antique brass, brushed chrome, polished chrome, satin nickel, and oil rubbed bronze. The thumb turn finish is applied over a cast zinc substrate. Single point locks and handle sets are provided on sliders, keyed cylinders are optional.
- Screens:** Fixed screens are standard on operating sidelites. Screens are extra when specified for all other door types. Screen shall be mounted outside of door panels and shall roll on adjustable steel rollers. Screens are intended to allow air and light in and keep insects out. The screen is not intended to stop children, adults or animals from falling out an open door.
- Grilles:** The following are the available grille options.
- Simulated Divided Lite with inner bar (SDL) simulates true divided lite by adhering exterior painted aluminum bars, wood bars on the interior and mill finish inner bar. Bars are available in 7/8" and 1-1/8" widths.
 - Simulated Divided Lite without inner bar (SDL) only has adhered exterior painted aluminum bars and wood bars on the interior (no inner bar). Bars are available in 7/8" and 1-1/8" widths.
 - Perimeter grilles shall be select pine, fastened to interior glazing stops with screws. Perimeter grilles are available in 7/8" or 1-1/8" widths.
 - Inner grilles (bars between glass) are also available in either 3/4" or 5/8" flat, 3/4" or 1" profiled.

- Two-toned inner grilles in flat or profiled bars are available with a white interior, and exterior matches the exterior of the door.