



1485 Sunrise Drive | Arthur, Illinois 61911
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Specification Sheet: Model 3297 Insulated Aluminum Full-View Door

Door Sections:

Section Thickness:	2"
Section Heights:	18", 21" or 24" high, standard, by width of door.
Rail and Stile Material:	6063-T6 aluminum. Clear anodized, white powder-coating or RAL# powder-coating.
Panel Profile:	Aluminum stile and rail frame construction with full view glass.
Joint Design:	Tongue and groove rails. Bulb seal between sections
End Stiles:	4" or 8" face, through bolted to rails with 1/4" diameter threaded bolts.
Center Stiles:	2" face, through bolted to rails with 1/4" diameter threaded bolts.
Bottom Rail:	4" or 8" face, full width of section.
Intermediate Rails:	2" face, full width of section.
Top Rail:	4" or 8" face, full width of section.
Glazing:	Optional field glazing, 1/8" DSB, 1/8" tinted, 1/8" frosted, 1/8" polycarbonate, 1/8" tempered, 1/8" tempered tinted, 1/8" tempered frosted, 1/4" tempered, 1/4" tempered tinted, 1/4" tempered frosted, 1/4" clear laminated, 1/4" white laminated, 1/2" insulated glass, 1/2" tinted insulated, 1/2" frosted insulated, 1/2" Low E insulated, 1/2" tempered insulated, 1/2" tempered Low E insulated, 1/2" tempered tinted insulated, 1/2" tempered frosted insulated, 10mm triple wall poly insulated, aluminum panels, insulated aluminum panels, perforated aluminum panels.
Insulation:	RAILS AND STILES: CFC free polystyrene core R-Value of up to 3.07*, U-Value of 0.33 ALUMINUM PANEL: 3/8" insulation available

Tracks: 2" tracks are roll-formed 17 gauge galvanized steel for doors up to 8'-0" in height. Doors over 8'-0" through 10'-0" will be 16 gauge track. Doors exceeding 10'-0" in height will be 14 gauge track. All 3" track will be 12 gauge. Tracks to be mounted with track brackets, clip mount angle or continuous jamb angle. Lower tracks are adjustable to ensure weather-tight fit. Horizontal tracks to be reinforced with angle (min 13 gauge) according to door size and weight.

Hardware: Graduated heavy duty hinges (min 14 gauge), top fixtures (min 12 gauge) and bottom fixtures (min 13 gauge) are made of galvanized steel. Rollers have 10 ball bearings with case-hardened steel tire.

Spring Counterbalance: Oil tempered torsion springs are mounted on a cross-header shaft supported by galvanized steel ball bearing end plates and center bracket(s). Springs are custom designed for exact door weight, size and trajectory in accordance with current ANSI 102 standards for a minimum of 10,000 cycles. Counterbalance is transferred through galvanized aircraft quality cables secured to bottom of door. Springs may be custom specified for higher cycles when available.

Trussing: Trussing provided according to door size and design.

Weather-seal: Double contact bottom floor seal full width of door. Optional header and jamb seals.

Locking: Optional inside slide lock.

Installation / Framing: Torsion spring mounting pads, jamb plates, header plates and associated track system hangers shall be furnished by other than C.H.I. All installation quality and workmanship is responsibility of Contractor and is to be executed in accordance with C.H.I. installation instructions, local and state building codes and work site safety regulations.

Acoustical Performance: Sound Class Transmission (STC) 27***

Air Infiltration: 15mph: .20 cfm/ft2** | 25mph: .42 cfm/ft2**

*R-value is dependent on glazing type and is calculated in accordance with ANSI/DASMA 163

**Thermal transmittance and air infiltration testing in accordance with ANSI/DASMA 105 and ASTM E283
(Testing details do not apply to doors with windows and/or exhaust ports)

***ASTM E90-09, Standard test method for laboratory measurement of airborne sound transmission of building partitions and elements