

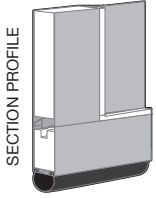
# Model 3297

## Full-View Aluminum

[chiohd.com](http://chiohd.com)

1485 Sunrise Dr.  
Arthur, IL 61911  
Phone: (800) 677-2650

### STANDARD FEATURES *24'2" x 16'0" Maximum Dimensions*



- 2" thick sections
- Tongue and groove section joints
- Weather seal on section joint
- 18", 21", and 24" section heights
- Polystyrene insulated stiles and rails
- Through-bolted stiles with c-channel coupling
- 2" center stile
- 2" intermediate rails
- 4" end stile standard to 16'2", 8" end stile optional
- 4" bottom rail standard to 16'2", 8" bottom rail optional
- 4" top rail standard to 20'2", 8" top rail optional
- Available in 3" height increments
- U-shaped bottom astragal with aluminum retainer
- **U-Factor<sup>2</sup> = 0.88**
- R-Value<sup>1</sup> = 3.07
- Air Infiltration<sup>2</sup> = 0.42
- STC Rating<sup>3</sup> = 27
- Pass door capable

### COLORS

CLEAR ANODIZED, POWDER COAT

### TRACK

- 15" radius bracket mount track
- Up to 8'0" height - 17 gauge 2" track
- 8'3" to 10'0" height - 16 gauge 2" track
- 10'3" to 14'0" height - 14 gauge 2" track
- Over 14'0" height - 12 gauge 3" track
- Vertical track to be mounted with track brackets, clip mount angle, or continuous jamb angle.
- Horizontal track to be reinforced with 13 gauge angle according to door size and weight.

### HARDWARE

- Graduated hinges - 14 gauge
- Top fixtures - 12 gauge
- Bottom fixtures - 13 gauge
- Over 16'2" width - Double end hinges
- Rollers - 10 ball bearing
  - Case hardened steel tire
  - Solid shaft

### SPRING COUNTERBALANCE

Torsion springs 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 according to current ANSI/DASMA 102 standards for a minimum of 10,000 cycles. Counterbalanced with galvanized aircraft quality cables secured to the bottom of the door. 20,000, 50,000, and 100,000 cycle springs are available as an upgrade option.

### STRUTTING

Aluminum strutting provided according to door size and design.

### SECURITY OPTIONS *No lock is standard*

- Inside slide lock - Torsion spring required

### GLAZING *Standard or Tempered Options*

- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>• Glazing 1/8" - Plain [DSB]</li> <li>- Obscure</li> <li>- Tinted</li> <li>- Polycarbonate<sup>†</sup></li> </ul> | <ul style="list-style-type: none"> <li>• Glazing 1/4" - Plain [DSB]</li> <li>- Obscure</li> <li>- Tinted</li> <li>- Clear Laminated<sup>†</sup></li> <li>- White Laminated<sup>†</sup></li> </ul> | <ul style="list-style-type: none"> <li>• Insulated Glazing 1/2" - Plain [DSB]</li> <li>- Obscure</li> <li>- Tinted</li> <li>- Frosted</li> <li>- Low E</li> </ul> |
|--|---|---|

### ALUMINUM PANELS

- Panels and/or Insulated Panels

### FRAMING / INSTALLATION

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.

<sup>1</sup>R-value calculation is in accordance with ANSI/DASMA 163 and ASTM C518 standards.

<sup>2</sup>Thermal transmittance and air infiltration testing in accordance with ANSI/DASMA 105 and ASTM E283 standards.

<sup>3</sup>ASTM E90-09, Standard test method for laboratory measurement of airborne sound transmission of building partitions and elements.

<sup>†</sup>Calculations do not account for options including but not limited to windows and/or exhaust ports.

<sup>†</sup>Tempered not available.



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All information presented is based on the specifications and features available at the time the document was created and is subject to change without notice.