

## Specification Sheet: Model 5600 Pre-Finished Steel Carriage House Door

### Door Sections:

Panels:	Monolithic plank sections, 18", 21" or 24" high by width of door.
Section Thickness:	2-1/2"
Exterior Face:	26 gauge woodgrain textured steel. Hot dipped galvanized G40 coating. Woodgrain textured urethane accent boards. Available in pre-finished solid colors white, almond or sandstone. Pre-finished two tone colors (overlays will be white): Two tone almond or two tone sandstone.
Interior Face:	27 gauge commercial quality steel. Hot dipped galvanized G40 coating. White polyester primer and topcoat.
Joint Design:	Tongue and groove rails.
End Caps	20 gauge galvanized painted steel. Full height of section.
Reinforcement Plates:	24 gauge galvanized steel, 2-1/2" wide, full height of section at every hinge location.
Insulation:	1-7/8" thick CFC free urethane foamed in place to exterior and interior skins. R-Value of 17.54*, 0.057 U-Value.

### Tracks:

**Vertical Tracks:** Roll-formed 17 gauge galvanized steel for doors through 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. Tracks to be mounted with track brackets (bolted or riveted to track) and lag-bolted to jamb. Tracks are adjustable (if bolted) to ensure weather-tight fit.

**Horizontal Tracks:** Roll-formed 16 gauge galvanized steel for doors through 10'-0" in height. Doors over 10'-0" will be 14 gauge track. Tracks are reinforced with angle (min 14 gauge) according to door size and weight.

### Hardware:

Graduated heavy duty hinges (min 14 gauge), top fixtures (min 14 gauge) and bottom fixtures (min 13 gauge) are made of galvanized steel. Rollers have 10 ball bearings with casehardened steel tire on a solid steel shaft.

### 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 and size 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.

### Trussing:

Galvanized trussing provided according to door size and design.

### Weather-seal:

Double contact vinyl floor seal full width of door.  
 Optional header and jamb seals.

### Locking:

Optional inside side lock.

### Decorative Hardware:

Black Spade decorative hardware w/screws. Standard (4 straps & 2 handles) – field install.

### Window Lites:

Optional 1/8" single pane, polycarbonate or faux/  
 Optional 7/16" insulated glass, glue chip, or seeded.

### 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.

\*R-value testing is in accordance with ASTM C518 standards

## Specification Sheet: Model 5300 Pre-Finished Steel Carriage House Door

### Door Sections:

Panels:	Monolithic plank sections, 18", 21" or 24" high by width of door.
Section Thickness:	2-1/2"
Exterior Face:	27 gauge woodgrain textured steel. Hot dipped galvanized G40 coating. Wood grain poly accent boards adhered to steel base door using high performance adhesives to create carriage house designs. Available in pre-finished solid colors: white, almond or sandstone. Pre-finished two tone colors (overlays will be white): Two tone almond or two tone sandstone.
Interior Face:	27 gauge commercial quality steel. Hot dipped galvanized G40 coating. White polyester primer and topcoat.
Joint Design:	Tongue and groove rails.
End Caps	20 gauge galvanized painted steel. Full height of section.
Reinforcement Plates:	24 gauge galvanized steel, 2-1/2" wide, full height of section at every hinge location.
Insulation:	1-13/16" thick CFC free polystyrene bonded to exterior and interior panel skins. R-Value of 10.29*, 0.10 U-Value.

### Tracks:

**Vertical Tracks:** Roll-formed 17 gauge galvanized steel for doors through 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. Tracks to be mounted with track brackets (bolted or riveted to track) and lag-bolted to jamb. Tracks are adjustable (if bolted) to ensure weather-tight fit.

**Horizontal Tracks:** Roll-formed 16 gauge galvanized steel for doors through 10'-0" in height. Doors over 10'-0" will be 14 gauge track. Tracks are reinforced with angle (min 14 gauge) according to door size and weight.

### Hardware:

Graduated heavy duty hinges (min 14 gauge), top fixtures (min 14 gauge) and bottom fixtures (min 13 gauge) are made of galvanized steel. Rollers have 10 ball bearings with casehardened steel tire on a solid steel shaft.

### 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 and size 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.

### Trussing:

Galvanized trussing provided according to door size and design.

### Weather-seal:

Double contact vinyl floor seal full width of door.  
 Optional header and jamb seals.

### Locking:

Optional inside side lock.

### Decorative Hardware:

Black Spade decorative hardware w/screws. Standard (4 straps & 2 handles) – Field install.

### Window Lites:

Optional 1/8" single pane, polycarbonate or faux.  
 Optional 7/16" insulated glass, glue chip or seeded

### 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.

\*Calculated through mean insulation thickness referencing DASMA TDS163 method guidelines using values from A.T.I. test report B2965.02-116-25.