

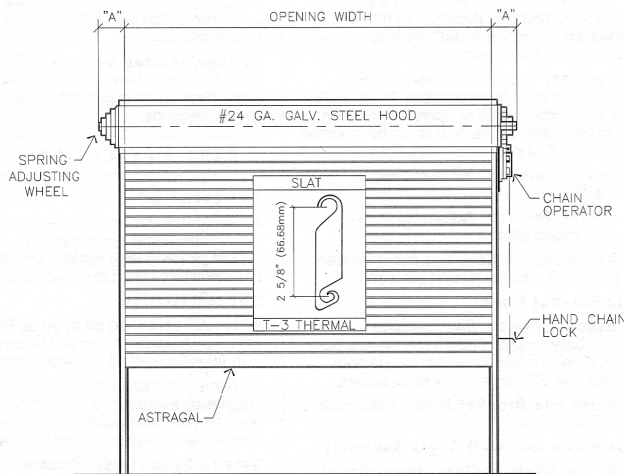
# COILING THERMAL DOOR—MODEL T23\*

08330/ATL  
Buyline 0371

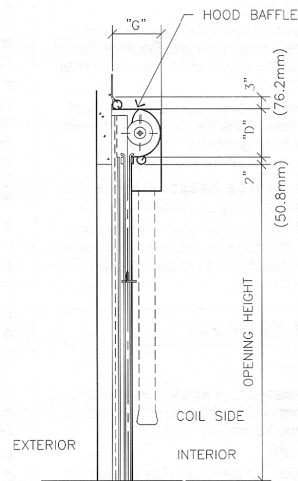
- Hand chain operated
- Interior face mounted
- Fully weatherstripped
- R-Value = 6.25
- U-Value = 0.16
- (U = 0.91 W/m<sup>2</sup> °K)

\*Suffix letters indicate material and/or finish of curtain.  
For alternate material or finish of curtain see Optional Features.

GS Galvanized, without baked-on finish coat  
PS Galvanized with baked-on finish coat  
MA Mill finish aluminum  
AA Clear anodized aluminum  
DA Bronze aluminum  
ST Stainless steel



**COIL SIDE ELEVATION**  
RIGHT HAND OPERATION AS SHOWN  
LEFT HAND OPERATION IS OPPOSITE AS SHOWN



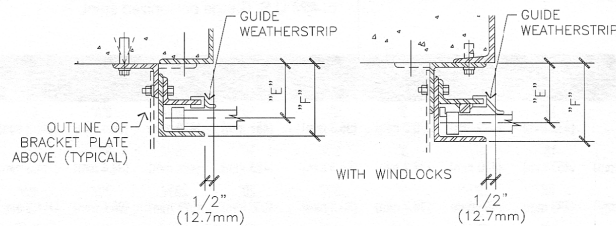
**SECTION**

3" (76.2 mm) is dimension of top hood bead. Where headroom is limited, 3" (76.2 mm) requirement can be eliminated by turning bead down.

Windlocks are standard on doors over 22'-4 7/8" (6829 mm) wide and optional for doors under 22'-4 7/8" (6829 mm) wide.

Where clearances are critical, dimensions shown can be reduced. Consult Technical Services.

## GUIDE DETAILS



**atlas door™**

# COILING THERMAL DOOR—MODEL T23PS

08330/ATL  
Buyline 0371

## SPECIFICATIONS

### PART 1 GENERAL

#### 1.01 Section Includes

**A. Type:** Insulated Coiling Service Doors are to be Atlas Door™ Model T23PS as manufactured by Clopay Building Products Company, Inc.

**B. Operation:** To be chain hoist operated using gear reduction and galvanized hand chain.

**C. Mounting:** To be interior face mounted on a prepared opening.

#### 1.02 Related Work

**A. Opening preparation, miscellaneous or structural steel, access panels, finish or field painting** are in the scope of the work of other sections or trades.

**B. Submit manufacturer's product data and installation instructions** for each type of coiling door. Include both published data and any specific data prepared for this project.

#### 1.03 Single-Source Responsibility

**A. Provide doors, guides, motors, and accessories** from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

### PART 2 PRODUCT

#### 2.01 Curtain

**A. Slats:** Assembled of interlocking galvanized steel slats front and back cold roll-formed. Slats to be Type T3, no less than 2 1/4" (66.88 mm) high.

**B. Insulation:** Polyurethane foam-injected and to fill all voids providing continuous insulation protection the full height of the slat. Insulation is to be self-bonding to the two interior galvanized steel surfaces. U-Value = 0.16 (0.91 W/m²·K). R-Value = 6.25.

**C. Endlocks:** Each end of alternate slats to be fitted with endlocks to act as a wearing surface in the guides and to maintain slat alignment.

**D. Windload:** Door construction designed to satisfy windload of 20 PSF (0.96 kPa) or 87 M.P.H. (140 KPH).

**E. Gauge:** Thickness of slat material to be as required by width of opening and windloading conditions.

**F. Galvanizing:** Zinc-coated in accordance with ASTM A653.

**G. Bottom Bar:** Curtain to be reinforced with a bottom bar consisting of two steel angles.

**H. Weather Seal:** Provide interwoven neoprene astragal at the bottom bar to act as a weather seal at the floor.

#### 2.02 Spring Counterbalance

**A. Counterbalance:** Housed in a steel pipe of diameter and wall thickness to restrict maximum deflection to .03" per foot (2.5 mm/m) of door width.

**B. Springs:** To be helical torsion type designed to include an overload factor of 25% and for optimum ease of operation. Springs are to be grease-packed and are to be mounted on a cold rolled steel inner shaft.

**C. Hand Chain:** Pull not to exceed 35 lbs. (156 N).

**D. Spring Tension:** Adjustable from outside of end bracket plate.

**E. Ball Bearing:** Sealed, to minimize wear of pipe shaft rotation around inner shaft.

#### 2.03 Bracket Plates

**A. Bracket Plates:** Carrying pipe counterbalancing shaft are to be no less than 1/4" (6.35 mm) thickness and to house ends of door coil. Shape of plates to be square.

**B. Drive End Bracket Plate:** Fitted with a sealed ball bearing.

#### 2.04 Guide and Wall Angle Assembly

**A. Guides/Wall Angles:** Structural steel angles of 1/4" (4.76 mm) minimum thickness.

**B. Depth of Guide:** To provide adequate slat penetration to satisfy specified windloading.

**C. Guide Weather Seal:** Furnish guide weatherstripping to seal against T3 slat.

#### 2.05 Hoods

**A. Hoods:** To house coil are to be fabricated of #24 U.S. Gauge galvanized steel.

**B. Reinforcing:** To be laterally reinforced to prevent sag.

**C. Intermediate Hood Supports:** Furnish where door width exceeds 16'-0" (4877 mm).

**D. Hood Baffle:** Furnish neoprene hood baffle in hood to prevent air infiltration.

#### 2.06 Locking

**A. Hand Chain Lock:** Locking bracket, mounted on guide angle, suitable for padlocking (padlock by others).

#### 2.07 Finish

**A. Galvanized Surfaces:** Slats and hood (etc.) galvanized. Baked-on gray or tan coat of epoxy-modified polyester on slats and hood. Shop coat of rust-inhibiting metallic primer on all remaining ungalvanized surfaces, except bearings.

**B. Ungalvanized Surfaces:** Shall consist of a shop coat of rust-inhibiting metallic primer (gray) (brown) on exposed ferrous surfaces, except bearings.

### PART 3 EXECUTION

#### 3.01 Examination

**A. Verify that dimensions are correct and project conditions are suitable for installation.** Do not proceed with installation until unsatisfactory conditions have been corrected.

#### 3.02 Installation

**A. Installation:** To be by Atlas Door authorized representative and in accordance with Atlas Door standards and instructions.

**B. Submit manufacturer's product data and installation instructions** for each type of coiling door. Include both published data and any specific data prepared for this project.

**Note to Specifiers...** Please see end of this section for frequently specified Optional Features.

| Opening Height                              | Without Windlocks          |         |        |        | With Windlocks             |         |        |        | Opening Width                               | Without Windlocks |                            | With Windlocks |  |
|---|----------------------------|---------|--------|--------|----------------------------|---------|--------|--------|---|-------------------|----------------------------|----------------|--|
|   | "D"                        | "G"     | "E"    | "F"    | "D"                        | "G"     | "E"    | "F"    |   | "A"               | "A"                        |                |  |
| to 9'-1"<br>(2769 mm)                       | 17"                        | 17 1/2" | 3"     | 3 1/4" | 18"                        | 18 1/2" | 3 1/2" | 4 1/2" | to 12'-4 1/2"<br>(3781 mm)                  | 8 1/2"            | 9"                         |                |  |
| 9'-1 1/2" to 11'-1"<br>(2772 mm) (3378 mm)  | 18"                        | 18 1/2" | 3"     | 3 1/4" | 19"                        | 19 1/2" | 3 3/4" | 4 1/2" | 12'-5" to 22'-4 1/2"<br>(3785 mm) (6825 mm) | 9"                | 9"                         |                |  |
| 11'-1 1/2" to 13'-1"<br>(3381 mm) (3988 mm) | 19"                        | 19 1/2" | 3"     | 3 1/4" | 20"                        | 20 1/2" | 3 3/4" | 4 1/2" | 22'-5" to 24'-4 1/2"<br>(6833 mm) (7439 mm) | Not Applicable    | 9 1/2"                     |                |  |
| 13'-1 1/4" to 15'-1"<br>(4001 mm) (5207 mm) | 20"                        | 20 1/2" | 3 1/4" | 4 1/4" | 21"                        | 21 1/2" | 4 1/4" | 5 1/4" | over 24'-4 1/2"<br>(7439 mm)                | Not Applicable    | Consult Technical Services |                |  |
| 15'-1 1/2" to 17'-1"<br>(4601 mm) (5207 mm) | 21"                        | 21 1/2" | 3 1/2" | 4 1/2" | 22"                        | 22 1/2" | 4 1/2" | 5 1/4" |   |                   |                            |                |  |
| 17'-1 1/2" to 20'-1"<br>(5210 mm) (6121 mm) | 22"                        | 22 1/2" | 3 1/2" | 4 1/2" | 24"                        | 24 1/2" | 4 1/2" | 5 1/4" |   |                   |                            |                |  |
| over 20'-1"<br>(6121 mm)                    | Consult Technical Services |         |        |        | Consult Technical Services |         |        |        |   |                   |                            |                |  |