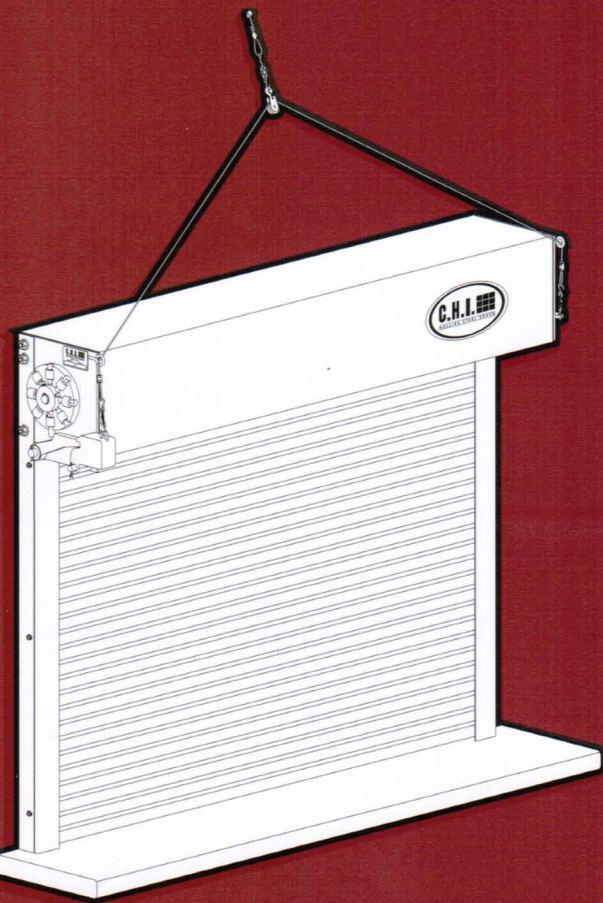




SERIES 7500 Fire Shutter

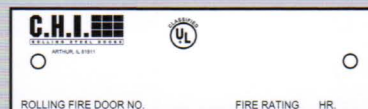


Fire protection manufactured to the highest standards, C.H.I. fire shutters feature attractive, space-saving designs and user-friendly operation.

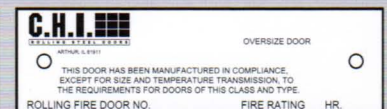
U.L. labeled for installation to approved sheetrock, masonry and steel construction, Series 7500 Fire Shutters meet all U.L. requirements for counter and window openings.

- 45-minute, 90-minute and 3-hour U.L. labels with full compliance to NFPA-80 standards.
- Standard curtain features 1-1/2" pre-painted, hot-dipped galvanized steel slats.
- Optional stainless steel curtain and guides available in a #4 finish.
- Shop painted guides in a medium gloss black matches well with many powder-coat options.
- Reliable viscous governor provides smooth, quiet drop testing.
- Easily drop tested and reset with a minimum of downtime to assure operational readiness.
- Designed for face of wall mount and between-jamb mounting configurations.
- Manual push-up operation is standard. Gear reduced awning crank operation is optional.
- Bottom bar slide bolt locks are standard with cylinder locking optional.
- 165-degree fusible links are provided as standard detection/release devices.
- May be installed with all approved detection and release devices.
- Attractive, compact hood is designed for maximum efficiency in tight areas.

GUARDIAN™ FIRE DOORS CARRY STANDARD LISTING OR OVERSIZE U.L. LABELS.



C.H.I. Listing Label



C.H.I. Oversize Label



SPECIFICATIONS

PART 1 - GENERAL

1.01 WORK INCLUDED: Rolling shutters to be C.H.I. Fire Shutter Series 7500 and comply with Underwriter's Laboratories requirements for 3, 1-1/2 and 3/4-hour locations.

1.02 RELATED SECTIONS:

- a. Section 04200 Concrete Block
- b. Section 05500 Metal Fabrications
- c. Section 06100 Wall Construction
- d. Section 08300 Access Doors
- e. Section 09900 Painting
- f. Section 16000 Electrical

1.03 SUBMITTALS:

- a. Furnish all submittals according to guidelines of Section 01300 Submittal Procedures.
- b. Shop Drawings: Furnish shop drawings for architectural approval including elevations and details showing dimensions, finishes, profiles and sections for each door.
- c. Product Literature: Submit manufacturer's brochures and literature describing product to be used.
- d. Provide manufacturer's installation instructions.

1.04 DELIVERY, STORAGE AND HANDLING:

- a. Refer to Division 1 Material Storage and Handling Requirements.
- b. Deliver and store all materials in manufacturer provided packaging and protect from damage in a safe and dry location.

1.05 WARRANTY: Provide manufacturer's standard five-year warranty from date of plant shipment against defects in materials and workmanship. Manufacturer's brochures and literature describing product to be used.

PART 2 - PRODUCTS

2.01 GENERAL: Items and components described in the following paragraphs reflect current products manufactured by C.H.I. Overhead Doors, Inc, P.O. Box 260, Arthur, Illinois, 61911, and may be changed without notice by the manufacturer without penalty or liability.

2.02 CURTAIN: Interlocking curtain slats of roll-formed 22, 20 or 18-gauge steel. Lateral slat movement and curtain wear controlled by galvanized, malleable cast iron endlocks fastened to every other slat. Windlocks added as dictated by windload requirements. Lateral slat movement and curtain wear controlled by malleable cast iron endlocks fastened to every other slat. Flat slat profile is 1-1/2 inches high by 1/2 inch deep.

2.03 BOTTOM BAR: Bottom bar steel or stainless steel angle, bolted to curtain.

2.04 GUIDES: Box shaped guides fabricated from 11-gauge steel or stainless steel with integral bellmouths and curtain stops.

2.05 HEADPLATES: Headplates for mounting curtain, hood, and barrel assemblies fabricated from minimum 1/4 inch steel plate. Drive axle provided with precision, self-aligning bearings.

2.06 BARREL: Barrel constructed from minimum 4-1/2 inch O.D. steel pipe. Deflection under full load not to exceed 0.03 inches per foot of span. Barrel provided with threaded rings or lugs welded to barrel assembly for curtain attachment.

2.07 SPRINGS: Spring (tension) end of barrel assembly fabricated with self-aligning ball bearing assembly to support barrel assembly. Curtain weight counterbalanced by oil-tempered, helically wound torsion springs, grease packed and mounted on steel torsion shaft.

2.08 HOOD: Rectangular hood formed of minimum 24-gauge steel sheet, shaped to fit within headplates. Intermediate hood support(s) furnished as required.

2.09 LOCKING: Manual push up shutters furnished with interior slide bolt locks suitable for padlocking. Thumb-turn and keyed cylinder locks optional. Awning crank operated shutters supplied without locks unless specified.

2.10 OPERATION: Manual push up operation is standard through ten feet wide. Awning crank operation available for all sizes.

2.11 AUTOMATIC CLOSURE: Thermally activated by 165-degree fusible link, or optional time delay releases. Closing speed regulated by viscous

governor to between 6 inches and 24 inches per second, per NFPA-80 standards.

2.12 FINISHES: Steel curtain slats and hood hot-dipped galvanized, per ASTM A-653, G-90, with baked epoxy primer and polyester finish coat in gray and white. Guides and headplates shop painted medium gloss black. #4 stainless curtain, guides, bottom bar and hood optional. Powder-coating optional. Bottom bars to be shop painted steel, stainless steel, galvanized or powder-coated.

PART 3 - EXECUTION

3.01 EXAMINATION:

- a. Examine site and notify architect of non-specified conditions or construction.
- b. Advise procedures and corrections necessary to accommodate installation.

3.02 INSTALLATION: C.H.I. rolling fire shutters shall be installed and adjusted according to C.H.I. assembly instructions by trained door systems technicians.

3.03 CLEANING AND PRESENTATION:

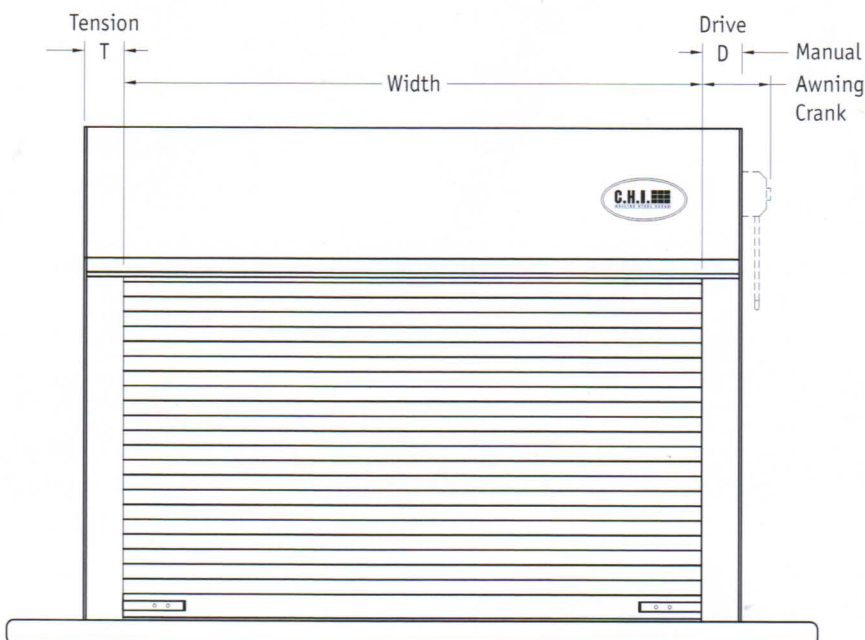
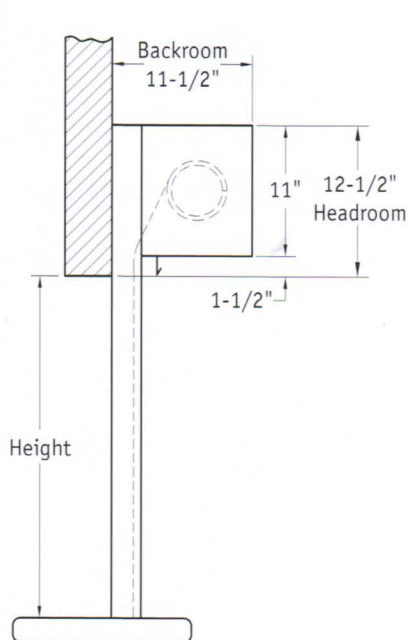
- a. Clean all finished surfaces after installation for a factory original appearance.
- b. Replace any damaged components before final inspection.
- c. Remove all packaging and debris from installation area at the completion of installation.

3.04 DROP TESTING:

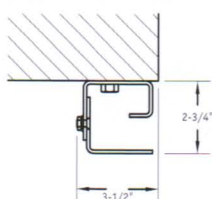
- a. Upon installation, door shall be drop tested before appropriate witnesses to attest to successful drop operation and reset.
- b. Complete the Rolling Fire Door Inspection and Drop Test form that accompanies each door.
- c. Present operation and maintenance instructions to owner after demonstrations, drop tests and reset is witnessed.

3.05 SCHEDULED TESTING: NFPA-80 and model code groups mandate annual inspection and drop testing of fire doors to check for proper operation and full closure.

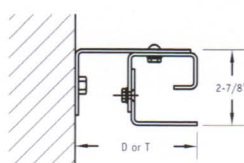
HEADER CLEARANCES & DIMENSIONS (INCHES)



Face of Wall Mount



Between Jamb Mount



	D	T
Manual	5-1/2"	6-1/2"
Awning Crank	7-1/2"	6-1/2"