



PART 1 - GENERAL:

1.01 Work Included: Rolling steel doors shall be C.H.I. Service Model 6241, flat slat, as manufactured by C.H.I., 1485 Sunrise Drive, Arthur, IL 61911.

1.02 Related work not included: Preparation of openings, field painting, miscellaneous or structural metal work, access panels, field electrical wiring, wire, conduit, fuses and disconnect switches are not included in the scope of work provided by C.H.I.

1.03 Windload: Doors shall be designed to withstand a minimum of 20 pounds per square foot of windload as standard. The deflection of the slats shall be limited to an amount that prevents the slat from buckling or being blown out of the guides

1.04 One Year Limited Warranty: C.H.I. Overhead Doors, Inc., (C.H.I.) warrants each Model 6241 rolling steel door and components to be free from defects in materials and workmanship for a period of 1 year from date of receipt to original purchaser. Refer to back page for complete warranty information.

PART 2 - PRODUCTS:

2.01 General: Items and components described in the following paragraphs reflect current products manufactured by C.H.I. and may be changed without notice by the manufacturer without penalty or liability.

2.02 Curtain: Standard flat curtain slats shall be interlocking type, roll-formed from pre-finished 24 gauge high tensile hot dipped galvanized steel. Lateral slat

movement to be controlled by using galvanized, malleable cast iron endlocks fastened to every other slat. Endlocks shall be designed to prevent slats from wearing at the surfaces where in contact with the side guides. Flat Slats (FS): Cover 2-1/2 inches center-to-center and are 3/4 inch deep.

2.03 Bottom Bar: To be fabricated from hot dipped galvanized steel angle, minimum 1/8 inch thick. Bottom bar weatherseal is optional.

2.04 Guides (E, Z): Standard guides to be fabricated from three structural, prime painted steel angles, bolted together to form a guide channel and mounting surface. Removable inner guide cutouts shall be provided for ease of installation and maintenance. Curtain stops and bellmouths to be integral to guide facilitating positive curtain feed and alignment.

2.05 Head Plates: Head plates for mounting the curtain, hood, and barrel assemblies to be fabricated from 1/4 inch prime painted steel plate. The head plate supporting the drive side of the door axle to be provided with a sealed, grease-able, self-aligning pillow block bearing in a four-bolt cast iron flange.

2.06 Barrel Assembly: The barrel shall be made from minimum 4-1/2 inch O.D. steel pipe. Deflection of the pipe under full load shall not exceed 0.03 inches per foot of width. The barrel shall be provided with threaded rings or lugs, welded to the barrel assembly, for simple curtain attachment.

2.07 Springs: The spring (tension) end of the barrel assembly shall be fabricated with a sealed precision, self-aligning ball bearing assembly that supports the tension end of the barrel assembly. Curtain weight shall be counterbalanced by oil-tempered, helically wound torsion springs, grease packed and mounted on a steel torsion shaft. Springs shall be designed to provide a minimum of 10,000 cycles. Higher cycle options are available.

2.08 Hood: The hood shall be formed of minimum 24 gauge white finish coat steel sheet, shaped to fit within the head plates. Hood is supplied as standard

2.09 Locking: Manually operated doors shall be furnished with interior plated steel slide bolt locks suitable for padlocking. Chain hoist operated doors shall have a chain keeper suitable for padlocking as standard. Slide locks are optional for chain hoist operated doors.

2.10 Operation: Manual push up, chain hoist, or motor operation.

2.11 Finishes: Curtain slats shall be hot dipped galvanized followed by a two coat, baked-on system consisting of an epoxy primer coat with a polyester finish coat on each side in gray and white. Powder coating is optional in a wide palette of colors.

PART 3 - EXECUTION:

3.01 General: C.H.I. rolling steel doors shall be installed according to C.H.I. assembly instructions by trained door systems technicians.

HEADER CLEARANCES & DIMENSIONS (inches)

DETAILS

Face Mounted Clearances and Dimensions

- 1. Steel
- 2. Wood or Masonry

