



Central States Manufacturing Technical Specs for Sentry™ Model 6500 Roll-Up Sheet Doors

Part 1 - GENERAL

1.01 DESCRIPTION —

1.01.01 Type: Continuous sheet rolling door Sentry Model 6500 manufactured by Central States Manufacturing (CSMI) headquartered in Tontitown, AR. Available in sizes up to 10'0" x 10'0", suited for self-storage units, sheds, carports, or light-duty commercial settings.

1.01.02 Mounting: To be interior or exterior face of wall mounted on a prepared jamb.

1.01.03 Related Work: Preparation of openings, miscellaneous or structural steel, ironwork, access panels, master keying cylinders, finish or field painting, electrical wiring, conduit, and disconnecting switches are within the scope of the work of other sections or trades.

1.02 QUALITY ASSURANCE —

Qualifications of Manufacturer: Products utilized in this section shall be manufactured by an organization that regularly designs, fabricates, and installs pre-engineered metal self-storage building products and has a proven history of successfully manufacturing products acceptable to the Architect, such as Central States Manufacturing.

1.03 GUARANTEE — All doors and components specified herein shall be guaranteed free of workmanship and defect for 3 years. Reference centralstatesco.com for specific products and paint warranties.

Part 2 - PRODUCT

2.01 CURTAIN —

2.01.01 Sheets: Continuous 20" corrugated sheets roll formed from 26-gauge ASTM A653 SS80 full hard steel and lock seamed together.

2.01.02 Finish: Galvanized and pre-painted with Super Durable Polyester paint, it is guaranteed with a 40-year film integrity warranty that it will not crack, peel, flake, split, delaminate, or blister. Based on the color chosen, it also has an additional 30-year guarantee against fading or changing color.

2.01.03 Bottom Bar: Extruded 6063 T5 Aluminum reinforced with a 1-1/2" x 1-1/2" 12-gauge galvanized angle that extends fully into the guides. Exterior-mounted

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lift handle(s) and 3/16" nominal OD solid braid Nylon rope attached to interior angle.

2.02 WEATHERSTRIPPING —

2.02.01 Astragal: A black PVC bulb-type astragal affixed to the bottom bar assembly provides positive contact with the floor.

2.02.02 Guide Strip: Black High-Density Polyethylene wear strips furnished on both legs of each guide.

2.03 AXLE ASSEMBLY — Consisting of the Axle, Drums and Torsion springs with various fasteners that make up the spring counterbalance system and provide curtain weight support.

2.03.01 Drums: Stamped 9.5" diameter drums made from SS Grade 33 18-gauge steel with pressed bearings for reduced friction on the axle. Two end drums and a center drum rotate around the dead axle pipe.

2.03.02 Axle: Consists of 1-5/16" OD 11-gauge steel tubing for curtain load weight and spring torque to which the drums and spring tensioner are attached; constructed with four tension holes on the left side (ILO) to allow for spring tensioning.

2.04 SPRING COUNTERBALANCE — Pre-galvanized ASTM A228 steel music quality wire pre-stretched and bolted to drums and axle using necessary fasteners. Rated for 10,000 cycles (DASMA 207-2018 11.1.2).

2.06 SPRING TENSIONER —This left-end factory-mounted round galvanized wheel with nine teeth connects to the axle and interacts with the tension stop, allowing the user to adjust the door tension.

2.07 GUIDE ASSEMBLY — The universal-mounted guide roll is formed from ASTM A653 18-gauge galvanized steel and fitted with leg wear strips. A 1-5/8" guide depth is furnished for sufficient curtain engagement. A removable galvanized door stop is at the top of each guide.

2.08 OPERATION — The door curtain is raised and lowered by hand using a rope attached or handle affixed to the bottom bar assembly.

2.09 LOCKING MECHANISM — A single stainless steel self-storage door latch is factory-installed on the right side of the door (outside looking in) with four bolts. The slide exhibits magnetic properties that can activate guide-mounted security sensors. It accepts all industry padlocks, including 7/16" diameter shanks. Provisions for cylinder lock included.

2.10 FINISH — Non-galvanized surfaces to consist of a shop coat of chem-treated coating.

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Part 3- EXECUTION

3.01 INSTALLATION — To be performed by an authorized Central States Manufacturing representative or professional door installer following the CSMI installation standards, instructions, and recommendations.

3.02 MAINTENANCE — Reference the Central States Manufacturing website: Centralstatesco.com for Maintenance Recommendations for Sentry™ Roll-doors

For further questions, please reach out to your Central States Sales Rep.