



Integral Rolling Shutters Series 550



Furnish

Rolling Shutter, series 550, as manufactured by ADT complete with curtain, hood, guides, counterbalance and options as specified.

Highlights

- Torsion spring counterbalance
- Aluminum guides
- 22ga. galvanized steel curtain
- Alternating galvanized steel stamped endlocks

Operation

- manual lift
- hand crank using gear reduction
- internal or external motors

Curtain

Consists of interlocking slats cold rolled formed from hot dipped galvanized steel with optional baked on grey polyester enamel coating or 304 stainless steel with a #4 finish curved flat profile SF1 or extruded aluminum profile SE1. Each end of alternate slats are to be assembled with galvanized steel end locks to maintain slat alignment and to act as a wearing surface inside the door guides. Slat thickness shall be calculated with U.S. gauging with a minimum of 22 gauge. Steel slats are to be hot dipped galvanized as per A.S.T.M. A653. Each curtain shall receive a bottom bar to maintain slat alignment and posture.

Bottom Bar

Shall consist of one steel factory painted angle a minimum 1/8" thick. Bottom bar shall be provided with a lift handle and slide bolts.

Locking

For manual and crank operated doors to be slide bolts mounted on bottom bar with provisions for padlocks. Gearing within motors to be self locking.

Spring Counterbalance

Is to be housed in a steel pipe of the appropriate diameter and wall thickness as to support curtain. Deflection shall be limited to a maximum of .03" per foot of door width. Springs are to consist of helical torsion types designed to meet a 25% load factor. Safety factor allows for safe operation, ease of use, and longer spring life. Springs are to be grease packed and anchored, using a cast iron anchor, to a cold rolled steel inner shaft. Spring tension shall be fully adjustable from outside of end bracket plate. To insure smooth operation end bracket plates shall contain sealed ball bearings to minimize wear of pipe shaft.

End Bracket

Plates shall consist of factory painted steel plates no less than 1/8" thick. Bracket plates are to house pipe shaft and counterbalance assembly. Shaft is attached to plate by sealed ball bearings fitted onto plate.

Guides

Shall consist of extruded aluminum channels a minimum of 2" deep. Guides will bolt together and feature a removable door stop. The guide depth shall be of a length adequate to provide for proper slat penetration.

Hoods

Shall consist of a minimum of #24 gauge hot dipped galvanized steel with a baked on grey or bronze polyester enamel coating. Hoods are designed to protect and house counterbalance assembly. To prevent hood sag, intermediate supports shall be furnished as required.

Finish

All non-galvanized surfaces shall receive a shop coat of rust inhibiting enamel. Aluminum standard is mill finish.

Installation

To be by ADT or by an authorized dealer.

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