

Architectural Specifications
- Rite-Hite Doors' STEEL-RITE™ II Sectional Door – Model 52242 -

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PART 1 - GENERAL

- 1.1 CONDITIONS SPECIFIED ELSEWHERE: Section 010000 - General Requirements.
- 1.2 SUBMIT SHOP DRAWINGS showing overall dimensions (width, height).
- 1.3 SUBMIT 3 copies of manufacturer's owner's manual, maintenance manual and master service manual to the A/E.
- 1.4 WARRANTY: Proposals submitted without the following written warranties will be considered non-responsive.
 - 1.4.1 Door manufacturer shall provide with his bid a written, minimum 1-year limited warranty on parts and labor and a minimum 10-year warranty on the sections against cracking, splitting or deterioration due to rust-through.
 - 1.4.2 Door parts not covered under the warranty shall include: NONE.

PART 2 - PRODUCTS

- 2.1 Sectional doors shall be Rite-Hite Doors Steel-Rite II or an approved substitute. Doors shall be sized by manufacturer to meet specific applications requirements.
- 2.2 Sectional doors shall be made for up to 10'2" wide and 10'1" high openings.
- 2.3 Sections shall be roll formed full 24 gauge continuous high-strength steel coil which galvanized zinc-coated with primer and polyester finish coat exterior and polyester finish coat interior. (Standard color shall be white)
 - 2.3.1 Bottom two (2) sections shall also include a high strength polymer interior facing and polystyrene insulation with an R-6 value to provide impactability.
 - 2.3.2 Optional insulation available for top panels.
 - 2.3.3 Insulation shall be CFC free, have minimal water absorption, and be fire resistant.
 - 2.3.4 C-shaped 20 gauge galvanized steel intermediate stiles and 20 gauge end stiles shall be secured to the panels with adhesive and to the section rail with ½" fasteners. All stiles shall fit the contour of the door section.
 - 2.3.5 Pierce-Nuts® shall allow for rapid hinge attachment.

PART 2 - PRODUCTS (continued)

- 2.3.6 Optional 24" x 6" glazing available.
- 2.4 Track, vertical mounting angles and brackets shall be commercial quality 16 gauge hot-dipped galvanized steel.
 - 2.4.1 Track shall be in 2" deep, and is available in vertical lift and high lift configurations. Vertical track to be graduated, providing wedge-type weathertight closing, and is fully adjustable to seal at door jambs.
- 2.5 Door shall utilize a torsion-type, low-stress, helical wound, oil-tempered spring counterbalance system per to provide a minimum of 10,000 cycles of use on continuous steel shaft. Optional 25,000, 50,000 and 100,000 cycle springs available.
 - 2.5.1 Torsion spring fittings and drums shall be made of die-cast high strength aluminum and shall utilize pre-formed galvanized steel aircraft cables with a minimum of 5:1 cable safety factor.
- 2.6 All hinges and brackets shall be made from hot-dipped galvanized steel.
 - 2.6.1 Interface of the sections to the track shall be case-hardened inner steel races with 10 ball rollers. Rollers of bottom two (2) sections shall be positioned within nylon breakaway blocks.
 - 2.6.2 Roller assembly shall pivot upon impact to release door from the track to minimize damage.
 - 2.6.3 Roller assembly shall be repositioned in the track without the use of tools or special parts.
- 2.7 Full perimeter seal shall include track mounted vertical brush seals, interlocking joint seals between the sections, a flexible vinyl astragal, and a rubber top seal.
- 2.8 Optional interior slide lock with a hole to receive a padlock.

PART 3 - EXECUTION

- 3.1 **INSTALLER** shall examine the substrate and conditions under which door is to be installed and notify the A/E and Contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- 3.2 **DOOR MANUFACTURER'S REPRESENTATIVE** shall install door in accordance with approved shop drawings and manufacturer's recommendations. Location of door and hardware shall be indicated on drawings.
- 3.3 **ADJUST UNITS** to operate smoothly.

- 3.4 AFTER INSTALLATION is completed, a representative of the manufacturer shall examine the installation and require that all connections and adjustments necessary to assure proper operation of door has been made. Before acceptance, a demonstration shall be conducted in the presence of the Owner's representative that all doors operate properly in every aspect. In addition, a detailed user/operator training session shall be conducted at time and place agreed upon by Owner's representative.