

Diamond Door LTD

Standards associated with Steel Doors and Frames

Diamond doors and frames are manufactured to general standards as defined by ANSI and SDI.

ANSI A250.3 – Test procedure and acceptance criteria for factory applied finish painted steel surfaces for steel doors and frames.

ANSI A250.6 – Hardware on steel doors (reinforcement application)

ANSI/DHI A115 – Specifications for hardware preparations in standard steel doors and frames.

ASTM A653 - Standard specification for steel sheet, zinc-coated (galvanized) or zinc iron alloy-coated (galvannealed) by the hot dip process. Minimum requirements for coatings having 0.4 ounces per square foot, total both sides, i.e. A40.

ANSI 107 - Thermal performance of insulated steel door systems. Test method ASTM C-236.

Lock ring reinforcement installed in the standard provision for Gov. Series 160/161 cylindrical locksets and in accordance with ANSI A115.2

Doors and frames prepped for 4 ½" x 4 ½" full mortise hinges, per ANSI A156.7/SDI 100.

Strike jamb prepared for 4 7/8" ASA strike per ANSI 155.2

Paint is finish cost meeting ANSI A250.3 standards

Lockset shall be a commercial Grade 2 cylindrical lock . Meets Federal specifications FF-H-106H Series 160 and ANSI 156.2 4000 Grade 2. (Mortise locks are ANSI 156.13)

Hinges are 4 ½" x 4 ½" non-removable pin type with a powder coat finish. Meets Federal specifications FF-H-116C and ANSI A156.1

For Florida Building Code (FBC) and Texas Department of Insurance (TDI) registrations

TAS201 – Impact Test procedures

TAS202 – Criteria for testing impact and nonimpact resistant building envelope components using uniform static air pressure loading

TAS202 – Criteria for testing products subject to cyclic wind rated pressure loading