

TECHNICAL SPECIFICATIONS

ASSA ABLOY Hanover HR1000, Hanover HR2000, Stonehaven ST1000, Stonehaven ST2000

PART 1 GENERAL

1.01 Section

Sectional Doors are to be ASSA ABLOY Hanover HR1000, Hanover HR2000, Stonehaven ST1000 or Stonehaven ST2000 as manufactured by ASSA ABLOY Entrance Systems. Operation to be manual pushup. Mounting to be interior face mounted on a prepared surface.

1.02 Quality Assurance

Doors shall be steel sectional overhead type. Each door includes sections, brackets, tracks, counter-balance mechanisms and hardware to suit the opening and headroom available.

1.03 Related Work

Opening preparation, miscellaneous or structural steel, finish or field painting are in the scope of the work of other entities.

PART 2 PRODUCT

2.01 Door Sections

Steel sections shall be 2" thick roll formed from true 24 ga. (Hanover HR1000, HR2000) or true 25 ga. (Stonehaven ST1000, ST2000) steel, hot-dip galvanized (per ASTM A-653-94), Zinc phosphate pre-treatment with primer and baked-on polyester top coat. Section to have woodgrain embossed texture with short raised panels or long raised panels True White, Almond, Sandtone, Dark Brown, Golden Oak, Walnut and Mahogany (Hanover HR1000, HR2000) or True White, Almond, Wicker Tan, Sandtone, Terratone, Dark Brown, Golden Oak, Walnut and Mahogany (Stonehaven ST1000, ST2000). Hanover HR1000 and HR2000 have 20 ga. end stiles which shall be galvanized, primed and finish painted. Stonehaven ST1000 and ST2000 have 20 ga. end stiles which shall be galvanized. All stiles engineered for easy hardware attachment through pre-punched extruded holes. All stiles shall be fastened to the section using the TOG-L-LOC® joining system. Section joint to form weathertight pinch-resistant joint.

2.02 Finish

The door exterior is pre-painted steel consisting of a phosphate coating over hot-dip galvanization applied to the base metal. A .2 mil baked-on prime coat is applied and then a .8 mil baked-on polyester top-coat is applied for ultimate rust protection. The paint finish carries a limited lifetime warranty (HANOVER HR1000, HR2000), a 25-year limited warranty (Stonehaven ST2000) or a 15-year limited warranty (Stonehaven ST1000) against rust through due to film integrity (peeling) to the original purchaser. See warranty for complete details. The interior is hot-dip galvanized, phosphate coated and pre-painted with a .2 mil primer and .3 mil baked-on polyester top-coat.

2.03 Energy Values

Model	HR2000	ST2000
Section:	R-value 6.84	6.84

2.04 Weather-stripping

3-3/4" bulb-shaped thermoplastic rubber bottom seal in a full length .030" galvanized steel retainer.

2.05 Track

Galvanized steel track shall accommodate 2" rollers. Bracket mounting is standard for wood jambs. Vertical track to be minimum 18 gauge galvanized steel, inclined through the use of adjustable 13 gauge galvanized steel brackets to assure weathertight closure at the jambs. Horizontal tracks to be minimum 16 gauge galvanized steel, reinforced with 13 gauge galvanized steel angles as required by door size and weight.

Door Height	Sections High
6'6"	4
7'	4
8'	5
9'	6
10'	6
11'	7
12'	7

2.06 Hardware

Hardware includes minimum 14 gauge galvanized steel center hinges and minimum 14 gauge galvanized steel roller hinges. All rollers to be nylon (Hanover HR1000, HR2000) or 7 ball steel (Stonehaven ST1000, ST2000). Galvanized struts (truss bars) supplied on all doors 15' and wider to prevent deflection no more than 1/120 of the spanned width when in the open position. Interior and exterior lift handles provided. All fasteners are galvanized. All hardware is covered by a 5-year warranty (Hanover HR2000), a 3-year warranty (Hanover HR1000), a 2-year warranty (Stonehaven ST2000), or a 1-year (Stonehaven ST1000) hardware warranty.

2.07 Spring Counter-balance

Extension springs for door counter-balance are mounted and attached to the supporting horizontal angle and back support of the horizontal track assembly. Each spring shall be equipped with a device capable of restraining the spring or any part thereof in case of breakage. Torsion springs for door counter-balance are mounted on a continuous cross header shaft. Springs are oil tempered, helical wound and custom computed for each door. Cable drums are die cast aluminum. Galvanized lift cable will provide minimum safety factor of five to one. Springs to comply with DASMA 102.

Options

2.08 Window Lites

Framed lites 21-3/16" x 13-11/16" minimum for short panel construction or 41-3/16 x 13-11/16" minimum for long panel construction (HANOVER HR1000 and ST2000 only) can be installed in any section. SSB glass is standard. Screw-together frame of PVC construction to match door color is used for framing lites. Optional decorative PVC design inserts are available and match door color.

2.10 Wind Load

Contact ASSA ABLOY Entrance Systems for specific wind load applications.

2.11 High Cycle Springing

25,000; 50,000 or 100,000 cycle torsion springs available.

2.12 Locks

A 5-pin cylinder lock with interior lock bar and outside key is standard for doors that do not receive an electric operator. A snap latch lock set is optional.

2.13 Insulation

CFC and HCFC-free expanded polystyrene (EPS) with poly-faced backer on door interior is available.

2.14 Track

Low headroom, Hi-lift and Follow-the-roofline track are available. Reverse Angle mount is also available.

2.15 Electric Operation

A full line of residential operators and accessories is available through ASSA ABLOY Entrance Systems. Contact ASSA ABLOY Entrance Systems for catalogs and product information.

Part 3 EXECUTION

3.01 Installation

Installation to be by qualified dealer in accordance with ASSA BLOY installation instructions and local building codes.

Contact: ASSA ABLOY Entrance Systems

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