ASSA ABLOY Entrance Systems

ASSA ABLOY

# TECHNICAL SPECIFICATIONS

## ASSA ABLOY Hanover HR3000, Stonehaven ST3000, Oak Island OS3000

**PART 1 GENERAL**

**1.1 Section**

Sectional Doors are to be ASSA ABLOY Hanover HR3000, ASSA ABLOY Stonehaven ST3000 or ASSA ABLOY Oak Island OS3000 as manufactured ASSA ABLOY Entrance Systems. Operation to be manual pushup. Mounting to be interior face mounted on a prepared surface.

**1.2 Quality Assurance**

Doors shall be insulated 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" (Hanover HR3000) or 1-3/8" (Stonehaven ST3000 and Oak Island OS3000) thick sandwich construction consisting of exterior and interior steel skins laminated to an expanded polystyrene (EPS) foam core with a urethane adhesive. Both steel skins to be separated by PRO-bond, a continuous silicone seal that forms a thermal break. Steel skins shall be roll formed, hot-dipped galvanized (per ASTM A-653-94), Zinc phosphate pre-treated with primer and baked-on polyester top coat. Door sections shall be constructed of 27 gauge (.016 minimum.) exterior and interior skins on the Stonehaven ST3000 and Oak Island OS3000. Hanover HR3000 shall be constructed of 24-gauge exterior and 27-gauge interior skins. Exterior skin to have woodgrain embossed texture, interior skin to have stucco embossed texture. The exterior steel skin has long or short raised panels or flush panel or ribbed flush panel designs and is available in True White, Almond, Sandtone, Dark Brown, Golden Oak, Walnut or Mahogany. Stonehaven ST3000 and Oak Island OS300 are also available in Wicker Tan, Terratone, Hunter Green and Gray. End stiles shall be 20 gauge galvanized, primed and finish painted in True White. All stiles engineered for easy hardware attachment through pre-punched holes. Galvanized, primed steel support plates shall be made of 18 gauge steel (2-5/8" x 3-1/2") and located under each hinge location, pre-punched for hinge attachment. Section joint to form weathertight pinch-resistant joint. Polypropylene Wear-Seal attached between each pinch-resistant section reduces noise, diminishes normal wear and tear on sections and forms second thermal break.

**2.02 Finish**

The door exterior and interior is prepainted steel consisting of a phosphate coating over hot-dipped 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 against rust through due to film integrity (peeling) to the original purchaser. See warranty for complete details. The inside of the exterior and interior skins is hot-dipped galvanized and finished with a .2 mil primer.

**2.03 Energy Values**

| Model | Hanover HR3000 | Stonehaven ST3000 Oak Island OS3000 |
|---|---|---|
| Section R-value | 9.1 | 6.48 |

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

**2.04 Insulation**

2" or 1-3/8" thick CFC and HCFC-free expanded polystyrene (EPS) laminated to the inside of both interior and exterior steel skins with a special urethane adhesive.

**2.05 Weather-stripping**

3-1/2" U-shaped vinyl bottom seal in a full-length .050" aluminum retainer with a return leg is attached to the bottom section. Perimeter seal for header and jambs is optional.

**2.06 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.

**2.07 Hardware**

Hardware includes minimum 14 gauge galvanized steel center hinges and minimum 14 gauge galvanized steel roller carriers. All rollers to be nylon for quiet operation. Galvanized struts (truss bars) supplied on all doors 12' and wider to prevent deflection no more than 1/120 of the spanned width when in the open position. Galvanized steel step plate/lift handle provided on bottom section. All fasteners are galvanized. All hardware is covered by a lifetime warranty (Hanover HR3000) or a 3-year warranty (Stonehaven ST3000, Oak Island OS3000).

**2.08 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**

**2.10 Window Lites & Decorative Inserts**

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 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.

**2.11 Wind Load**

Contact ASSA ABLOY Entrance Systems for specific wind load applications.

**2.12 High Cycle Springing**

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

Contact: ASSA ABLOY Entrance Systems
165 Carriage Court
Winston-Salem, NC 27105
844-232-4676
us.garagedoors@assaabloy.com
www.assabloyentrance.us