

TECHNICAL SPECIFICATIONS

ASSA ABLOY by Design AD4000

PART 1 GENERAL

1.01 Section

Sectional Doors are to be ASSA ABLOY BY DESIGN AD4000 manufactured by ASSA ABLOY Entrance Systems. Operation to be manual pushup. Mounting to be face mounted on a prepared surface.

1.02 Related Work

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

1.03 Quality Assurance

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

PART 2 PRODUCT

2.01 Door Sections

Wood shall be cedar, mahogany, fir, MDO plywood, or marine grade plywood in stain grade or paint grade wood. Steel sections shall be 2" thick roll formed from true 24 ga. hot-dip galvanized (per ASTM A-653-94), Zinc phosphate pre-treatment with primer and baked-on polyester top coat. Wood shall be attached to wood or steel with both fasteners and adhesive. All wood-on-steel models have 20 ga. end stiles which shall be galvanized. All stiles engineered for easy hardware attachment through prepunched extruded holes. All stiles shall be fastened to the section using the TOG-L-LOC® joining system. Section joint to form weathertight joint.

2.02 Finish

The exterior and interior wood for stain grade sections shall be in its natural finish. The exterior and interior wood for paint grade sections shall be primed. All models have a 1-year limited warranty on sections. See warranty for complete details.

2.03 Weather-stripping

3" n-shaped thermoplastic rubber bottom seal is supplied with sections.

2.04 Track

Galvanized steel track shall accommodate 2" rollers. Cadmium plated fasteners for on-door hardware and securing tracks to wood jambs is standard. Vertical track to be minimum 13 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 13 gauge galvanized steel, reinforced with 13 gauge galvanized steel angles as required by door size and weight.

2.05 Hardware

Hardware includes minimum 11 gauge galvanized steel center hinges and minimum 11 gauge galvanized steel roller hinges. All rollers to be nylon. Galvanized struts (truss bars) supplied to prevent deflection no more than 1/120 of the spanned width when in the open position. All fasteners are galvanized.

2.06 Spring Counter-balance

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 eight to one.

Options

2.08 Window Lites

Lites are either clear or seedy 1/8" DSB glass.

2.09 Wind Load

Contact ASSA ABLOY Entrance Systems for specific wind load applications.

2.10 High Cycle Springing

10,000; 25,000 or 50,000 cycle torsion springs available.

2.11 Locks

A lock with interior lock bar or snap latch and outside key is available as an option.

2.12 Insulation

All models are made with CFC and HCFC-free expanded polystyrene (EPS).

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 ABLOY installation instructions and local building codes.

Section Quantity	Bottom	2nd	3rd	4th	5th	Total Inches	Total Ft-In
3	28	28	28			84	7' 0"
4	21	21	21	21		84	7' 0"
3	32	28	28			88	7' 4"
5	18	18	18	18	18	90	7' 6"
3	32	32	28			92	7' 8"
3	32	32	32			96	8' 0"
5	21	21	18	18	18	96	8' 0"

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