

TECHNICAL SPECIFICATIONS

ASSA ABLOY Concord CC4000

PART 1 GENERAL

1.1 Section

Sectional Doors are to be ASSA ABLOY Concord CC4000 as supplied by 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 with 5/8" thick composite overlay, 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 1-3/8" 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. Exterior skin to have woodgrain embossed texture, interior skin to have stucco embossed texture. All stiles engineered for easy hardware attachment through prepunched 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, prepunched for hinge attachment. Section joint to form weathertight joint. Polypropylene Wear-Seal attached between each section reduces noise, diminishes normal wear and tear on sections and forms second thermal break. 5/8" thick composite overlay trim to be attached with adhesive. Composite is made from reclaimed wood fiber and thermoplastic polymer. This sustainable, green building material resists rot, decay and fungal growth.

2.02 Finish

The steel 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

ASSA ABLOY Concord CC4000

R-Value = 6.48

<i>DOOR HEIGHT</i>	<i>SECTIONS HIGH</i>
6'6"	4
7'	4
8'	4
9'	5
10'	5

2.04 Insulation

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 inside and outside of bottom section. All fasteners are galvanized. All hardware is covered by a 5 year warranty.

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

SSB glass is standard.

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

Contact: ASSA ABLOY Entrance Systems

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