

Doors

RACO Interior OfficeFronts™



Series 550 Entrance Doors

Product Overview

SERIES	STILES	TOP RAIL	BOTTOM RAIL	GLAZING INFILL
550	5" (127)	5 ½" (139.7)	ADA COMPLIANT	¼" (6) OR 1" (25)

I. GENERAL DESCRIPTION

Work Included: The glazing contractor shall furnish all necessary materials, labor and equipment for the complete installation of aluminum entrance doors, door frames and hardware as detailed on the drawings and specified herein.

Work Not Included: Structural support of the framing system, wood framing, structural steel, masonry and final cleaning.

QUALITY ASSURANCE

For purposes of designating type and quality for work in this section, drawings and specifications are based on RACO Series 550 entrance doors. Door shall have ADA compliant adjustable bottom rail.

When substitute products are to be considered, supporting technical literature, samples and drawings must be submitted ten (10) days prior to bid date in order to make a valid comparison of the products involved.

II. PRODUCTS MATERIALS

Door members shall be extruded architectural aluminum 6063-T5 alloy and temper. Major portions of all door sections, except glazing beads, shall be nominal .125 (3.2) inch. Screws, nuts, washers, bolts, rivets and other fastening devices shall be aluminum, stainless steel or other non-corrosive materials.

DOOR CONSTRUCTION

Door stiles and rails shall be tubular sections accurately joined at corners with heavy concealed reinforcement brackets secured with bolts, screws and adjustable bottom rail. Doors shall have snap-in stops with E.P.D.M. glazing gasket on both sides of the glass. No exposed screws shall be permitted.

Butt hung door frames shall have weather-stripped door stops at jambs and header.

HARDWARE

Hardware for aluminum doors and door frames shall be: specify _____. If custom hardware is to be furnished by others, templates and physical hardware must be submitted prior to any fabrication. Doors shall be supplied prepped for butt hinges with back up plates installed. One leaf of pair of doors will be prepped for strike plate with back up plate installed. Doors will be prepped for cylindrical or mortise latchset.

FINISH

All exposed framing surfaces shall be free of scratches and other serious blemishes. Aluminum extrusions shall be given a caustic etch followed by an anodic oxide treatment to obtain...(Specify one of the following).

- _____ #14 Clear anodic coating
- _____ #63 Bronze Paint
- _____ #65 Black Paint
- _____ #61 White Paint
- _____ #62 Grey Paint
- _____ #88 Custom Match Paint

III. EXECUTION INSTALLATION

All items under this heading shall be set in their correct locations as shown in the details and shall be level, square, plumb and at proper elevation and in alignment with other work in accordance with the manufacturer's installation instructions and approved shop drawings.

Upon completion of the installation of the entrances, it shall be the contractor's responsibility to make all necessary final adjustments to attain normal operation of each door and its mechanical hardware.

PROTECTION AND CLEANING

After installation the General Contractor shall adequately protect exposed portions of the aluminum entrance work from damage by grinding and polishing compounds, plaster, lime, acid, cement or other contaminant's. The General Contractor shall be responsible for final cleaning.



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Technical Data

SERIES	STILES	TOP RAIL	BOTTOM RAIL	TRAFFIC APPLICATIONS
550	5" (127)	5 ½" (139.7)	ADA COMPLIANT	HEAVY

As an industry leader in the manufacture of entrance doors and frames, RACO products are consistently built to the highest industry standards, ensuring years of reliable service. The Series 550 door is job-tested, mechanically fastened with bolts and screws creating a rugged structural corner assembly backed by a Lifetime Warranty. The door comes with an adjustable bottom rail that can accommodate irregular floor conditions.

These entrances can easily accommodate a wide variety of custom hardware for specific job requirements.

Standard Features:

Glass Stops - Pressure type glass stops (square or beveled) with E.P.D.M. glazing gaskets permit time saving installation of glass. Optional glass stops are available for 1 inch (25) infills. Setting blocks for glass are preset at the factory.

Accessories:

Hinging Hardware

Pair and a half of 4 1/2" x 4 1/2" butt hinges per leaf (Standard)
2 pair of butt hinges for doors over 7'-0"

Closers

Exposed Overhead
Slimline Overhead with or without cover

Latchsets

For passage doors or closets
For entrance or office doors

Flush Bolts

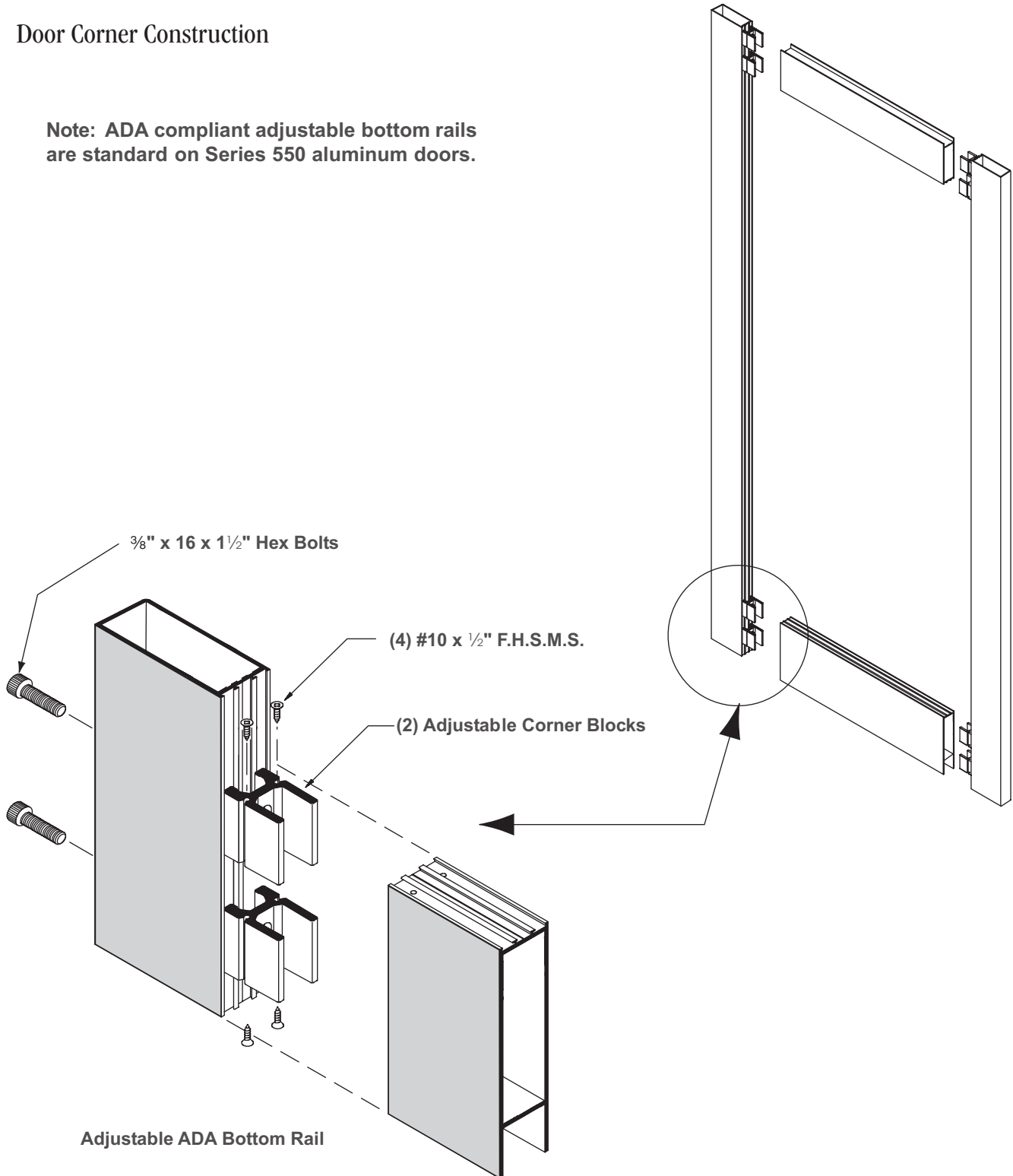
Adjustable Bottom Rail

Bottom rail can be adjusted up to 1" (25.4) allowing vertical stiles to be field trimmed to accommodate irregular floor conditions.

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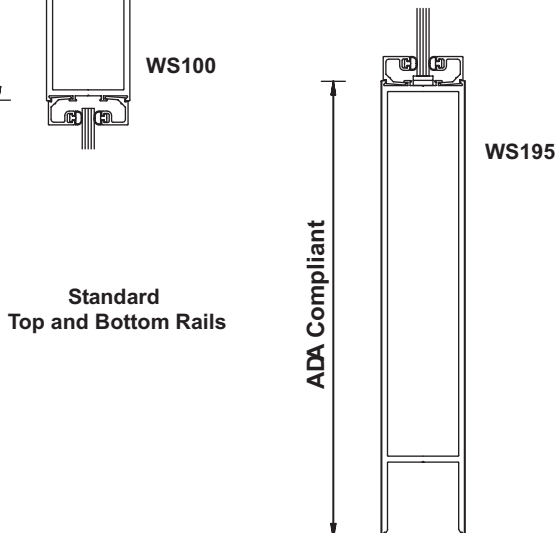
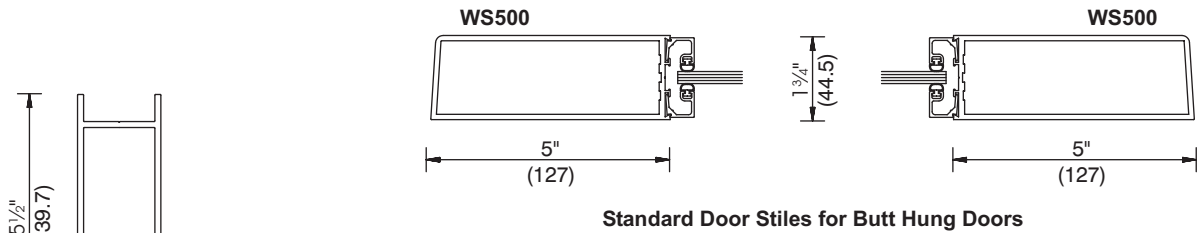
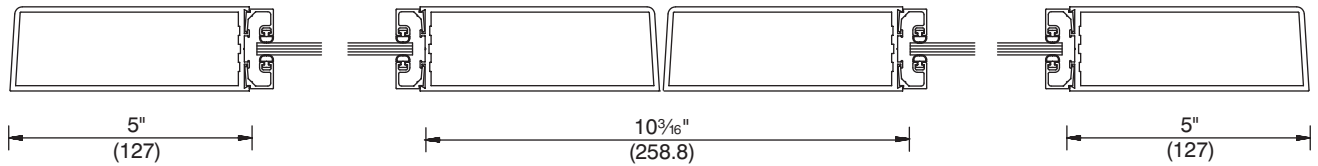
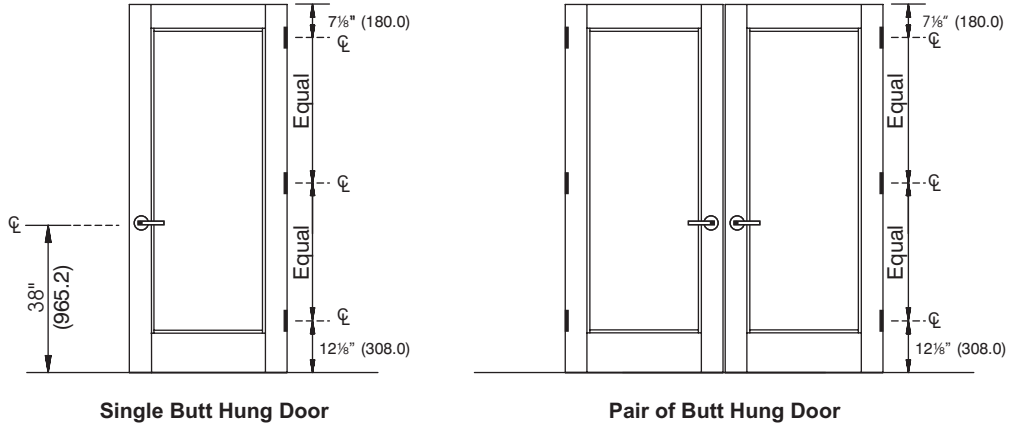
Door Corner Construction

Note: ADA compliant adjustable bottom rails are standard on Series 550 aluminum doors.



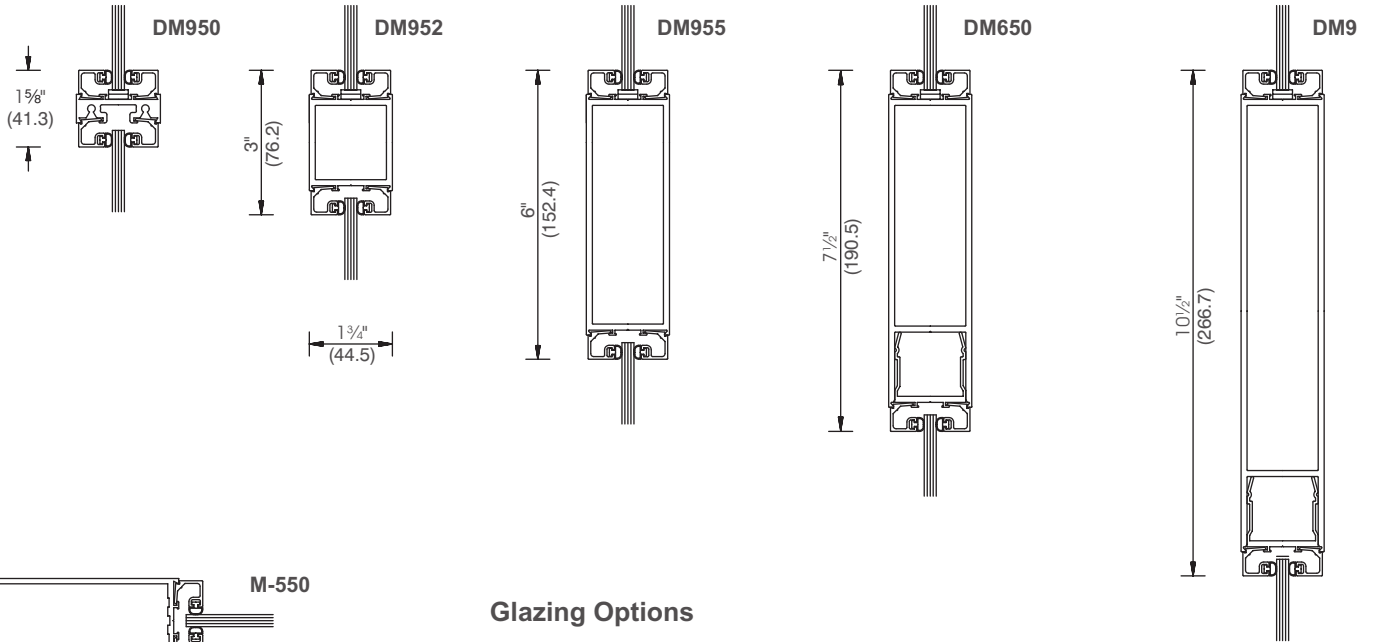
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Typical Details



Series 550 Entrance Doors

Door Muntins



Glazing Options

