

08 00 00 – OPENINGS<sup>q</sup>

**SECTIONS INCLUDED:**

08 10 00 – DOORS AND FRAMES

08 30 00 – SPECIALTY DOORS AND FRAMES

08 40 00 – ENTRANCES, STOREFRONTS AND CURTAINWALLS

08 50 00 – WINDOWS

08 70 00 – HARDWARE

**08 10 00 – DOORS AND FRAMES**

**DOORS – GENERAL**

- Exterior doors shall be Hollow Metal or Aluminum and glass.
- Do not specify wood exterior doors without Facilities management approval

Owner during demolition. Salvage is at the Owner's discretion; contractor shall dispose items not salvaged.

Coordinate door and frame installations to enable 180-degree door swing where possible.

- Fire rated wood doors should be Marshfield DFM series or equivalent. Specify lifetime warranty.
- Mineral core doors, if used, shall be provided with full width

- Heads over 42-inch width: 14-gauge frame or 12-gauge angle or channel stiffener
- Hinge reinforcement at exterior frames and potentially abusive openings:
  - Continuously welded top, bottom and both sides. Fully width hinge reinforcement defined as the “profile” width, less dimension of one return. 12-inch long; 7-gauge (0.179)
- Concrete & Masonry: 16-gauge adjustable strip anchors at least 2 ½-inch x 10-inch; T-Strap, wire or corrugated/perforated stirrup and strap configuration welded to frame.
- Metal Stud Framing: 18-gauge anchors welded to frame.
- Frames in masonry or concrete openings shall be grouted solid. Frames in masonry walls are to be “toothed in”. Bolt anchors are not acceptable unless specifically approved.
- Do not specify knock-down type frames.

## **08 30 00 – SPECIALTY DOORS AND FRAMES**

### **OVERHEAD COILING DOORS AND GRILLS**

- Coiling Doors and Grilles: The Cookson Company, substitutions by approval.
- Motorized operation preferred for doors, manual operation for grilles.
- Horizontal operation by approval.
- Lock: keyed per Facilities Management lock shop.
- Provide generous means of accessing housing for maintenance purposes.
- Fire-rated coiling doors.
- Coiling Fire Doors shall not require manual spring re-tensioning following fire alarm activation.
- Design wind load: 70 M.P.H. minimum.
- Aluminum or stainless steel is preferred; fiberglass and wood are prohibited.
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minimum. Corner construction: concealed, dual welded. Provide additional





- Closers installed on exterior doors and interior high traffic areas shall be equipped with advanced variable back check ABV function.
- Install closers to allow maximum degree of opening, position back check to activate well in advance of the stop position to cushion the opening swing and prevent door and frame damage. Unless specified, install closers with through bolt mounting method on metal and wood doors.
- Where doors will not swing to wall for wall stop applications, use overhead stops. The use of SCUSH/CUSH arms is discouraged.
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