

## SECTION 08 11 13 - HOLLOW METAL DOORS AND FRAMES

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section includes:

1. **KROGER NATIONAL ACCOUNT AGREEMENT:** Contractor purchased - Contractor installed.
  - a. The following items are to be provided by the Contractor and purchased under a national account agreement with the Kroger Co.:
    - 1) **Material:** Hollow-metal steel doors and frames.
2. Installation of hollow-metal steel doors and frames by Contractor.

#### 1.2 SUBMITTALS

- A. Product Data: Including construction details, material descriptions, core descriptions, label compliance, and finishes for each type of steel door and frame specified.
- B. Shop Drawings: Showing a schedule of standard steel doors and frames using same reference numbers for details and openings as those on Drawings.

### PART 2 - PRODUCTS

#### 2.1 SUPPLIER

- A. Supplier: Cook & Boardman, a division of The Cook & Boardman Group, LLC.
  1. Kroger Account Representative; (615) 964-6000, [kroger@cookandboardman.com](mailto:kroger@cookandboardman.com). Specify store number and address when ordering.
  2. No substitutions allowed.

#### 2.2 REGULATORY REQUIREMENTS

- A. Fire-Rated Assemblies (When Required): Complying with NFPA 80 and listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C.

## 2.3 INTERIOR DOORS AND FRAMES

### A. Heavy-Duty Doors and Frames: SDI A250.8, Level 2.

1. Physical Performance: Level B according to SDI A250.4.
2. Frames:
  - a. Materials: Uncoated, steel sheet, minimum thickness of **0.053 inch (1.3 mm)** (16 gage).
    - 1) Provide **0.067 inch (1.7 mm)** (14 gage) metallic-coated steel sheet, minimum **A60 (ZF180)** coating, frames for traffic doors, compactor doors and other areas as indicated.
  - b. Construction: Full profile welded.
    - 1) For remodels, knocked down frames may be provide upon written approval of Owner.
3. Exposed Finish: Factory primed with manufacturer's standard, fast-curing, lead- and chromate-free primer complying with ANSI A250.10 acceptance criteria for field-painted finish.

## 2.4 MISCELLANEOUS MATERIALS

- A. Supports and Anchors: Fabricated from electrolytic zinc-coated or metallic-coated steel sheet.
- B. Jamb Anchors: Masonry, stud-wall, compression, or postinstalled expansion type; not less than 18 gage, **0.052 inch (1.321 mm)** thick.
  1. Masonry wall anchors: Crimped tees at least **2-1/2 inches (63.5 mm)** by **10 inches (254 mm)**.
  2. Provide UL listed anchors for labeled frames.
- C. Floor Anchors: Single-unit clip angles, formed from same material as frames, not less than 16 gage, **0.064 inch (1.626 mm)** thick.
  1. Provide adjustable floor anchors at bottom of mullions.
- D. Tension Plates: Provide 18 gage, **0.052 inch (1.321 mm)**, **2-inch (50.8 mm)** by buck width, with tube spacers welded to bucks at approximately **2 feet (609.6 mm)** o.c. for anchorage of jambs against steel or concrete columns, or at other locations where masonry anchors cannot be used. Frames shall be drilled and countersunk for **1/4 inch (6.35 mm)** flat head bolts.
- E. Plaster Guards: Formed from same material as frames, not less than 26 gage, **0.022-inch (0.559-mm)** thick.

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- A. Remove welded-in shipping spreaders installed at factory.
- B. Install standard steel doors and frames plumb, rigid, properly aligned, and securely fastened in place; comply with Drawings and manufacturer's written instructions.
- C. Standard Steel Frames: Install standard steel frames for doors and other openings, of size and profile indicated. Comply with SDI 105.
  - 1. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.
    - a. At fire-protection-rated openings, install frames according to NFPA 80.
    - b. Apply bituminous coating to backs of frames that are filled with mortar or grout containing antifreezing agents.
- D. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying primer.

END OF SECTION 08 11 13

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