

## SECTION 08 36 13 - SECTIONAL DOORS

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section includes:

1. **KROGER DIRECT BUY PROGRAM:** Owner supplied/Owner installed.
  - a. The Kroger Co. will supply and install the sectional doors:
    - 1) **Material:** Sectional overhead doors, insulated steel (dock and delivery) and accessories.
    - 2) **Labor:** Installation by the Owner Direct Buy Vendor for the sectional overhead doors.

#### 1.2 REFERENCES

- A. Reference Standards: Kroger Master Details ASD-152 and ASD-153.

#### 1.3 SUBMITTALS

- A. The Owner will post the following information on the Owner's Project Management Website (PMW) for the Contractor's use in preparing the substrate.
1. Product Data: For each type and size of sectional overhead door and accessory.
  2. Shop Drawings: For special components and installations not detailed in manufacturer's product data.
- B. Closeout Submittals: Job completion form.

#### 1.4 WARRANTY

- A. Warranty information for loading dock sectional doors is specified in Division 01 Section "Product Warranties."

### PART 2 - PRODUCTS

#### 2.1 SECTIONAL OVERHEAD DOORS (SUPPLIED BY OWNER/INSTALLED BY OWNER)

- A. Refer to Division 01 Section "Vendor Contact List" for information on sectional overhead doors.

- B. Kroger Account Representative: Refer to Division 01 Section "Vendor Contact List."

## 2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Sectional doors shall comply with performance requirements specified without failure due to defective manufacture, fabrication, installation, or other defects in construction and without requiring temporary installation of reinforcing components.
- B. Structural Performance, Exterior Doors: Capable of withstanding the design wind loads as indicated on Drawings.

## 2.3 INSULATED SECTIONAL OVERHEAD DOORS

- A. Product: Clopay Corporation; Model 3717.
- B. Door Construction:
1. Panels: Foamed in place Polyurethane core construction between exterior and interior steel skins.
  2. Steel Skins: Formed from roll formed commercial or drawing quality steel sheet, hot-dip galvanized per ASTM A 924/A 924M and ASTM A 653/A 653M, pre-painted with primer and baked-on polyester topcoat; sections formed to create weather tight tongue-in-groove meeting joint.
  3. Reinforcing: Galvanized and primed steel reinforcement located under each hinge location, pre-punched for hinge attachment.
  4. Panel Thickness: 1-3/4 inches (45 mm).
  5. Exterior Surface: Steel doors with minor ribs,
  6. Exterior Steel: Minimum 27 gauge, 0.016 inch (0.40 mm) exterior.
  7. End Stiles: 18 gauge.
  8. High Cycle Spring: 50,000 cycles.
  9. Insulation: Intellicore Polyurethane.
  10. Thermal Values: R-value of 16.2; U-Factor: 0.18
  11. Air Infiltration: Air Infiltration: .025 cfm @ 25 mph
  12. Reinforcement: As needed. W-6 or higher. Std Reinforcement struts available.
  13. Material: Galvanized steel, 0.020 inches (26 gauge).
  14. Finish and Color:
    - a. Interior: Stucco embossed texture with shallow U ribbed pattern, white interior color.
    - b. Exterior: Stucco embossed with ribbed pattern, exterior as follows:
      - 1) Formed from roll formed commercial or drawing quality steel sheet, hot-dip galvanized per ASTM A 924/A 924M and ASTM A 653/A 653M, pre-painted with primer and baked-on polyester topcoat; sections formed to create weather tight tongue-in-groove meeting joint.
      - 2) Color: As indicated in specifications 'Exterior Finishes and Colors'.
  15. Lock: Interior mounted slide lock.

16. Step Plate: Manufacturer's standard minimum 12 gage galvanized steel step plate bracket.
17. Weatherstripping: Astragal: U-shaped flexible PVC in retainer of full-length 0.055 inch (1.4 mm) rigid PVC. Flexible jamb and header seals.
18. Track: 2 inch (51 mm), Modified [vertical lift] [or] [high lift] as required for minimal horizontal track.
  - a. 2 inch (50 mm) track designed for 2 inch (50 mm) diameter rollers. Vertical tracks minimum 0.061 inch (1.55 mm) galvanized steel. Horizontal tracks minimum 0.075 inch (1.91 mm) galvanized steel.

## 2.4 OPERATION

- A. Dock and Delivery Doors: Manual, pull rope.

## PART 3 - EXECUTION

### 3.1 INSTALLATION (CONTRACTOR RESPONSIBILITIES)

- A. Preparation: Prepare and coordinate openings ready for installation of sectional doors by Owner's Installer.
- B. Power-Operated Doors: Run conduits and install control wiring between control components, switches and operator for as indicated on Drawings and Shop Drawings.

### 3.2 INSTALLATION (OWNER'S INSTALLER RESPONSIBILITIES)

- A. Overhead sectional doors will be installed by the Owner. Coordinate installation with Owner's Representative.
- B. Install sectional doors complete with slide locks, step plates, handles, horizontal reinforcement and other necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions, Kroger Master Details ASD-152 and ASD-153, and as specified.
  1. Horizontal Reinforcements (For insulated sectional overhead doors): Attach to door with two self-drilling screws at each end and one every 12 inches (305 mm) alternating top and bottom of strut according to manufacturer's written instructions.
- C. Tracks: Provide sway bracing, diagonal bracing, and reinforcement as required for rigid installation of track and door-operating equipment.
  1. Weld door tracks to door opening bent frame inside flange.
- D. Power-Operated Doors: Install automatic garage doors openers according to UL 325.
  1. Contractor to run conduits and install control wiring between control components, switches and operator for bascart door as indicated on Drawings and Shop Drawings.

- E. Adjust hardware and moving parts to function smoothly so that doors operate easily, free of warp, twist, or distortion.
- F. Touch-up Painting: Immediately after welding galvanized materials, clean welds and abraded galvanized surfaces and repair galvanizing to comply with ASTM A 780/A 780M.
- G. Job Completion Form: Upon completion of Work, review and complete checklist and submit copy to Owner.

END OF SECTION 08 36 13