PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

A. Design Requirements:
1. Provide insulating doors between exterior and interior conditioned space.
2. Where sectional doors are required, provide aluminum sectional doors for glazed doors and insulated, galvanized steel sectional doors for opaque doors.
3. Provide loading dock door operators with remote-control station equipped with momentary-contact, three push-button controls labeled “Open,” “Close,” and “Stop.” Do not provide key operation.

B. Performance Requirements:
1. Basic Wind Speed, Exterior Doors: Project Specific. Operability under wind load is required.

PART 2 - PRODUCTS

2.1 OVERHEAD COILING DOORS

A. Coiling Service Door
1. Basis-of-Design Product: Subject to compliance with requirements, provide Overhead Door Corporation, 610 Series Service Door or a comparable product by one of the following:
   a. Cookson Company.
   b. Cornell Iron Works, Inc.
   c. Wayne-Dalton Corp.
2. Service Door: Door curtain of interlocking metal slats, designed to withstand wind loading.
   a. Steel Door Curtain Slats: Zinc-coated (galvanized), cold-rolled structural steel sheet; nominal sheet thickness (coated) of minimum 0.040 inch (20 gauge) and as required to meet requirements.
4. Electric Door Operator: Standard duty, up to 60 cycles per hour.
   a. Obstruction-detection device.
   b. Remote-control station.
5. Door Finish: Baked-enamel or powder-coated.

B. Insulated Coiling Service Door
1. Basis-of-Design Product: Subject to compliance with requirements, provide Overhead Door Corporation, 625 Series Insulated Service Door or a comparable product by one of the following:
   a. Cookson Company.
   b. Cornell Iron Works, Inc.
   c. Wayne-Dalton Corp.
2. Insulated Service Door: Door curtain of galvanized steel.
   a. Insulated Steel Door Curtain Slats: Zinc-coated (galvanized), cold-rolled structural steel sheet; nominal face sheet thickness of minimum 0.034 inch (22 gauge) and back sheet thickness of 0.028 inch (24 gauge); fill slat cavity with CFC-free, foamed-in-place, polyurethane insulation.
4. Electric Door Operator: Standard duty, up to 60 cycles per hour.
   a. Obstruction-detection device.
   b. Remote-control station.
5. Door Finish: Baked-enamel or powder-coated.

C. Fire-Rated Counter Door
1. Basis-of-Design Product: Subject to compliance with requirements, provide Overhead Door Corporation, 640 Series Overhead Coiling Counter Fire Door or a comparable product by one of the following:
   a. Cookson Company.
   b. Cornell Iron Works, Inc.
   c. Wayne-Dalton Corp.
2. Fire-Rated Counter Door: Door curtain of minimum 0.034 in (22 gauge) galvanized steel.
   a. Locking Device Assembly: Cremone type, both jamb sides locking bars, operable from inside and outside with mortise lock capable of accepting a small format (7-pin) interchangeable core.

2.2 OVERHEAD COILING GRILLES

A. Open-Curtain Security Grille Assembly
1. Basis-of-Design Product: Subject to compliance with requirements, provide Overhead Door Corporation, 670 Series Upcoiling Security Grille, or comparable product by one of the following:
   a. Cookson Company.
   b. Cornell Iron Works, Inc.
2. Overhead Coiling Grille: Curtain having a network of horizontal rods that interconnect with vertical links.
3. Hood: Aluminum.
4. Electric Grille Operator: Standard duty, up to 60 cycles per hour.
   a. Obstruction-detection device.
   b. Cylinder lock for electric operation with interlock switch; capable of accepting a small format (7-pin) interchangeable core.
5. Aluminum Finish: Clear anodized.

2.3 SECTIONAL DOORS

A. Steel Door Assembly
1. Basis-of-Design Product: Subject to compliance with requirements, provide Overhead Door Corporation, Series 418 Insulated Steel Sectional Door or a comparable product by one of the following:
   a. Raynor.
   b. Wayne-Dalton Corp.
2. Steel Sections: Zinc-coated (galvanized) steel sheet with minimum G60 zinc coating; G90 preferred.
   a. Section Thickness: 2 inches.
   b. Exterior-Face, Steel Sheet Thickness: 0.064-inch- (16 gauge) nominal coated thickness.
      1) Surface: Flat.
   c. Insulation: Foamed in place, expanded polystyrene.
   d. Interior Facing Material: Zinc-coated (galvanized) steel sheet of 0.022-inch- (26 gauge) nominal coated thickness.
3. Foamed-in-Place Thermal Insulation: Insulate interior of steel sections with door manufacturer's standard CFC-free polystyrene insulation, foamed in place to completely fill interior of section and pressure bonded to face sheets to prevent delamination under wind load.
4. Weatherseals.
5. Electric Door Operator: Standard duty, up to 60 cycles per hour.
   a. Obstruction-detection device.
   b. Remote operation station with open, close and stop controls; if keyed must accept small format (7-pin) interchangeable core.

B. Aluminum Door Assembly
1. Basis-of-Design Product: Subject to compliance with requirements, provide Overhead Door Corporation, Series 521 Aluminum Sectional Overhead Door or a comparable product by one of the following:
   a. Raynor.
   b. Wayne-Dalton Corp.
2. Aluminum Sections: Full vision, fabricated from 1-3/4 inch-thick, 6063-T6 aluminum sections glazed with 1/2 inch thick clear insulating glass.
3. Weatherseals.
4. Electric Door Operator: Standard duty, up to 60 cycles per hour.
   a. Obstruction-detection device.
   b. Remote operation station with open, close and stop controls; if keyed must accept small format (7-pin) interchangeable core.
1. Door Finish: Baked-enamel or powder-coat finish, AAMA 2603.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 08 30 00