

Single Horizontal Manual Slide Cold Storage Door

Division 13

Section 13010

Cold Storage Doors

Section 08 38 00

Part 1 - General

1.0.1 Scope

Work required under this section shall include the furnishing of all labor, materials, tools and equipment necessary to complete all work as detailed on the drawings and/or as specified herein.

1.0.2 Product

Supply, where indicated on the plans, a Frank Door Model EFD-SHMS (single horizontal manual slide door). Door panel frame shall be constructed of an aircraft grade aluminum extrusion with steel corner reinforcements and clad with a choice of metal skins. Door panel shall contain at least 4" of foamed-in-place polyurethane insulation (R32). Insulated wall casings, header and track system with integrated hood shall be aircraft grade aluminum extrusions. Trolley assemblies shall have stainless steel bushings and bearings at each panel hanging point. Track system shall provide a down and in motion to the closed position. Guidance system shall include a floor mounted bottom door guide, panel mounted guide rail and leading edge hook. Gasketing shall be panel mounted and consist of Santoprene dual blade gaskets and adjustable bottom sweep. Exterior and interior pull handles provided. All hardware and mechanisms shall be corrosion resistant materials. All freezer doors shall be equipped with a full perimeter, regulated heater cable. No organics such as wood or wood composites shall be used in the door panel, casings or header. Door panel shall be UL listed and built to NSF standards.

1.0.3 Substitutions

This specification is written with Frank Door Company Model EFD-SHMS as the basis of acceptable materials, construction and performance. No substitutions will be considered unless written request for approval is received in the architect's office at least 14 days prior to the release of the bids.

1.0.4 Submittals

In compliance with the specification requirements, submit detailed shop drawings for each door showing in clear detail all mounting requirements and accessories.

1.0.5 Quality Assurance

Doors shall be installed in accordance with the architect's plans and specifications along with the door manufacturer's written installation instructions, drawings and recommendations. Doors shall carry a 5 year limited warranty for the door panel, door frame, trim, vertical casings and header and a 2 year limited warranty on all other Frank Door Company manufactured components with the exception of typical wear components. Frank Door Company also warrants all products or component parts not manufactured by Frank Door Company to the same extent that they were warranted by the original manufacturer to the Frank Door Company.

Part 2 - Product

2.0.1 Material

Casings/Header

Extruded aluminum profiles are insulated with polystyrene inserts. (Matching back-up header and casings are optional. Return jambs are optional. Jamb caps are optional.) No organics such as wood or wood composites shall be accepted. All sweep bottom freezer doors shall be equipped with a heater cable in the three sided casing frames. All high sill freezer doors shall be equipped with a full perimeter heater cable in the casing frames.

Track System

Track system shall be constructed of extruded aircraft grade aluminum with integrated hood. (Stainless steel cladding is optional). Trolley assemblies shall have stainless steel bushings and bearings at each panel hanging point. Guidance system includes a panel mounted guide rail, floor mounted HDPE bottom door guide and leading edge hook (Wall mounted door guide system is optional). Track system to provide a down and in motion to closed position.

Door Panel

The door panel shall be constructed of an aircraft grade aluminum inner frame with steel corner brackets and clad with two USDA approved 24 gauge steel or .040 aluminum face sheets (smooth white and stainless steel face sheets are optional). The

panel is foamed-in-place with at least 4" of polyurethane insulation (R32). Gasketing shall be panel-mounted dual blade Santoprene gaskets and adjustable bottom sweep. (Optional triple pane view window shall be sealed, heated and constructed with heat reflective tempered safety glass and metal frame. Wicket door is optional. Aluminum diamond plate and stainless steel kick or impact plates are optional.) No organics such as wood or wood composites shall be used for the door panel structure or blocking. All freezer doors shall be equipped with a full perimeter, regulated heater cable.

Door Hardware

Exterior and recessed interior pull handles. (Keyed lock is optional. Exterior and interior breaker handles are optional.) All hardware and mechanisms shall be corrosion resistant materials. Doors with provisions for locking shall have safety release hardware on opposite side.

Part 3 - Execution

3.0.1 Installation

Doors shall be mounted in full accord with the door manufacturer's installation instructions and contract documents. When mounting the door casings, header and track, the mounting surfaces shall be set true and level, be shimmed and caulked to assure tightness and fit, securely lagged or through bolted to the wall structure. After the doors are hung, they shall be checked for mechanical operation and adjusted to insure a tight and uniform perimeter gasket seal. Connection of any panel or window heating is the responsibility of the electrical contractor. The door system is intended for indoor use. If being used outdoors, please inform the factory so the proper modifications can be added.

3.0.2 Product Delivery, Storage and Handling

Each cold storage door shall be securely crated as to protect the door from damage during shipment and handling. Door identification number shall be clearly marked on the outside of each crate.

3.0.3 Cleaning and Adjustment

Clean all doors of excess sealant, grease, stains, fingerprints and construction dust prior to final inspection to the satisfaction of the architect/owner. Adjust all doors for smooth, proper operating condition, including proper sealing and lubrication, prior to turnover of facility to owner.