

Double-Acting Cold Storage Traffic 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 ColdSwing EFD-DACS (double-acting insulated cold storage door). Door leaf shall have leading and rear edge protection constructed of aircraft-grade aluminum extrusions with integrated thermal break. The door panel shall be clad with choice of metal skins. Door panel shall contain at least 3.5" (R28) of foamed-in-place polyurethane insulation. Impact or kick plates are standard. Full perimeter gasket seal and double pane window is standard. Hinges shall be no rise and double-acting. Knock-down frame shall be aircraft-grade aluminum extrusions with integrated thermal break. All hardware and mechanisms shall be corrosion resistant materials. Doors shall be built to NSF standards and come complete with all components required for installation.

1.0.3 Substitutions

This specification is written with Frank Door Company's EFD-DACS 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 and the door manufacturer's written installation instructions, drawings and recommendations. Doors shall carry a 5 year limited warranty on the door panel, door frame and trim and 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

Frame Jamb and Header

Half-wrap, extruded aluminum frame with integrated thermal break. Door leaves come pre-mounted to jambs.

Door Panel

Full radius leading and jamb edges are aircraft-grade aluminum extrusions with integrated thermal break. The panel shall have at least 3.5" of foamed-in-place polyurethane insulation (R28) between two USDA approved 24 gauge steel or .040 aluminum face sheets (smooth white and stainless steel face sheets are optional). Gasketing shall be a panel mounted, full perimeter, dual blade Santoprene gaskets. Double pane window shall be sealed, argon gas filled, heat reflective, tempered safety glass with metal frame. HDPE impact plate or stainless steel kick plate is standard. All hardware and mechanisms shall be corrosion resistant materials.

Hinges

No-rise, full wash-down, dual internal compression spring double acting hinges are constructed from stainless steel and UHMWPE.

Part 3 - Execution

3.0.1 Installation

Doors shall be mounted in full accord with the door manufacturer installation instructions and contract documents. 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 ensure a tight and uniform perimeter gasket seal.

3.0.2 Product Delivery, Storage and Handling

Each cold storage door shall be securely crated so 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.