



CULTAPANELS

DOOR SPECIFICATIONS

“Cultapanel Doors”

Part 1- General

1.0.1 Scope

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

1.0.2 Design

All doors, door casings and track supports shall be fully metal clad with 26-gauge G-90 galvanized steel. All hardware and mechanisms shall be protected against corrosion by galvanizing, powder coating or other approved method. Doors shall be complete with all components required for complete installation. Doors with provisions for locking shall have safety release hardware on opposite side.

1.0.3 Substitutions

This specification is written with Cultapanel Doors as the basis of acceptable performance. No substitutions will be considered unless written request for approval is given by contractor.

1.0.4 Submittals

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

1.03 Quality Assurance

Doors shall be installed in accordance with the plans and specifications and the door manufacturer’s written instructions, drawings and recommendations. Doors shall be guaranteed against defective materials and workmanship for not less than 1 year.

Part 2— Products

2.0.1 Materials

A. Vertical Lift Manually Operated Door

Vertical casings and header covered with 26-gauge white stucco embossed galvanized steel, door panel clad with same material and edges capped with 18-gauge galvanized steel, 4” polyurethane core, all exposed seams sealed, heavy duty hardware and 3” tracks with corrosion resistant coating, neoprene vertical casing and header seals, neoprene bulb gasket on bottom of door panel, door tracks inclined toward wall for tight sealing, counter balanced door panel utilizing single counterweight, counterweight attached to roller chain suspended over ball bearing sprockets.

B. Infitting Cooler Doors (Flush Sill)

Door panel, return jamb and frame clad with 26-gauge white stucco embossed galvanized steel, 4" polyurethane core, all exposed seams sealed, hinges and latches with corrosion resistant powder coating, cam lift gravity hinges, padlocking provision and inside safety release on single point latch, reinforced neoprene gaskets on perimeter of door panel with double wiper seal on bottom. Stainless steel kick-plate on exterior side of door.

C. Horizontal Slide Manually Operated Doors

Door panel, vertical casings and header covered with 26-gauge white stucco embossed galvanized steel. 4" polyurethane core, all exposed seams sealed, heavy duty hardware with corrosion resistant coating, adjustable bulb type neoprene vertical casing and header seals. Teflon door track with down and in motion for tight sealing, two Teflon stainless steel sealed bearing trolleys with stainless steel on each door panel, and floor mounted stay rollers.

D. Horizontal Slide Electric Operator Doors

Door panel, vertical casings and header covered with 26-gauge white stucco embossed galvanized steel, 4" polyurethane core, all exposed seams sealed, heavy duty hardware with corrosion resistant coating, adjustable bulb type neoprene vertical casing and header seals. Teflon door track angled down and in for tight sealing, two Teflon ball bearing trolleys on each door panel and floor mounted stay rollers. Doors to be powered by .5 HP totally enclosed 3-phase electric motor with heavy-duty gear drive and adjustable torque limiter, NEMA 4 control box and mounted on header. Instant reversing safety edge on leading edge of door panel. Emergency release manual disconnects and to pull cord switches.

E. Sectional Overhead Doors

Door panels, vertical casings and header covered with 26 gauge white stucco embossed galvanized steel, foamed-in-place polyurethane core, all exposed seams sealed, heavy duty hardware and 3" tracks with corrosion resistant coating, adjustable bulb type reinforced neoprene vertical casing and header seals, neoprene bulb gasket on bottom of door panel, door tracks inclined toward wall for tight sealing, horizontal tracks furnished with door stop and spreader bar, door counter balanced with adjustable torsion springs.

Part 3- Execution

3.0.1. Installation

Doors shall be mounted in full accord with the detailed instructions of the door manufacturer and contract documents. When mounting the door and track framing, the mounting surfaces shall be set true and level without distortion and shall be shimmed and caulked to assure tightness and true fitting, and shall be securely lagged. After the doors are hung, they shall be checked for mechanical and electrical operations and tight and uniform gasket sealing. Installation of pull switches, power connections to power operated doors and gasket heaters are the responsibility of the electrical contractor.

3.0.2 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 to smooth, proper operating condition, including proper sealing prior to turnover to Owner.