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Products

UL Labeled Fire Doors - CGFD300



NYC-MEAApproved
UL Approved for 4 hours

APPROVALS

Doors are constructed to conform within requirements specified by Underwriter's Laboratories, Inc. (U.L.) Doors are automatic and self-closing, Class (A) (8) (C) (D) or oversized certificate. 4 hour fire doors also available.

CLASS (A) -3 hour approved for doors in dividing fire walls with openings not exceeding 1,200 sq. ft. in area.

CLASS (B) -1.5 hour approved for doors, in vertical shall openings not exceeding 1,200 sq. ft. in area.

CLASS (C) -0.75 hour approved for doors in corridor or room-partition opening not exceeding 1,200 sq. ft. in area.

CLASS (D) -1.5 hour approved for doors in exterior wall opening not exceeding 1,200 sq. ft. in area.

SPECIFICATIONS FOR OPTIONS

AUTO SET -In the event of a fire alarm or power failure the door will self close without the aid of battery back up or electricity at a controlled speed when the fusible link breaks. The door can be reset automatically without tools or a rolling door technician.

INSULATED -slats constructed from galvanized steel primed slats with 1" thick insulation.

MOTOR OPERATORS -to be integral assemblies with Nema rated electrical components, Model MO, consisting of high torque motor, braking system, self-locking gearing, gear reducer with worm gears in oil bath, emergency chain operator with disconnect and electrical safety interlock, internal reversing magnetic controller, push-button station with open-close-stop, internal pre-wiring. Motor to be removable without affecting chain operation or limit switch setting.

SAFETY EDGE BOTTOM BARS -to be furnished on motor operated doors, which, upon contact with an object, is to stop (or reverse) the downward travel.

ASTRAGALS -of neoprene to be provided, to weather-strip the bottom edges of doors.

FLAT SLAT -(F) curtains to be furnished, instead of standard curved slats.

FASCIAS -to be furnished at open areas behind hoods, if indicated to be by door manufacturer.

FUSIBLE LINKS BOTH SIDES -of wall to be provided, to allow thermal release from either side of wall.

RELEASES -of the (magnetic) (electro-thermal link) type to be provided, that will activate the closing mechanism, in addition to thermal release. Wiring to be by others.

SMOKE DETECTORS -of the (ionization) (photo-electric) type to be provided, in conjunction with release.

GALVANIZING -hot-dipped, to be applied to (guides) (pipe shaft) (brackets) (bottom bars) (gears), in addition to the slats and hoods that are galvanized as standard.

SHOP COAT -on galv. steel slats to be baked-on grey epoxy primer.

FINISH -on stainless steel to be #4 satin finish **CYLINDER LOCKS** -to be affixed to bottom of curtains. On motor operated doors, include electrical interlocks (cut-out switches).

U. L. Labeled Fire Doors are rated closures for fire protection that prevent the passage of flame and smoke. In case of fire, the fusible link releases the starting mechanism, and the door descends automatically at a controlled speed under governor control.

Quality Fire Doors meet the requirements of building codes and insurance ratings that call for U.L. label rolling fire doors.

During normal usage, they can be operated as Service Doors; operation may be push-up, chain, or motor.

SPECIFICATIONS

City-Gates Fire Doors as manufactured by City-Gates material and workmanship to be guaranteed for one year. Erection to conform to City-Gates standards

WORK EXCLUDED -Preparation of openings, structural supports, access panels, trim field painting. On motor operated doors, exclude wire, wiring, or disconnect switches.

LABEL AND CONSTRUCT DOORS -to conform with the requirements of the Underwriters' Laboratories, Inc. (U.L.). Doors to be automatic self-closing, Class (A) (8) (C) (D) Label or Oversize Certificate.

AUTOMATIC CLOSING -to be thermally controlled by release of the fusible link. A starting mechanism, using centrifugal force, is to cause the curtain to close by releasing the torque of the closing spring against the door shaft.

OPERATION -to be (Push-up with handles) (Chain and reduction gears; maximum pull of 35 lbs.) (Motor-refer to options).

CURTAINS -to be composed of interlocking slats of (galvanized steel) (stainless steel). Class A, B, or C Curtain Gauge as required with malleable iron endlocks as required by the U.L. Galvanized steel slats to be from hot-dipped strip, with 1.25 oz./sq. ft. zinc coating, and phosphate coated for paint adhesion. Bottom of curtain to have two reinforcing angles of (steel) (stainless steel).

COUNTERBALANCE ASSEMBLY -to consist of tempered helical torsion springs with 25% safety factor, mounted on shaped cast anchors, supported by a continuous solid torsion rod. This mechanism to be permanently lubricated and enclosed within a steel pipe shaft. Deflection of shaft not to exceed .03" per lin. ft. The spring tension adjusting wheel is to be readily accessible from outside the bracket plate.

BRACKETS -to be not less than 1/4" thick steel plate, to contain sealed self-aligning ball bearings for suspension of the counterbalance assembly. Brackets to be mounted to the structural wall angle to form a self-supporting member, and form an enclosure for the hood. Brackets to be reinforced with welded steel bands for support of hoods. Gears to be of high grade iron, cast from machine-cut patterns.

GUIDES -to be composed of structural (steel) (stainless steel) angles, minimum 3/16" thick, with expansion slots at all connections, assembled with 3/8" bolts, mounted to jambs at a spacing not more than 1'6" on centers.

HOODS -to be of (galvanized steel) (stainless steel), #24 Gauge minimum, stiffened top and bottom.

FINISH ON STEEL -to be one shop coat of metal primer, except on galvanized surfaces. On stainless steel, finish to be 2B mill. Note: The American Rolling Door Institute support periodic inspection of all fire door assemblies. Note: Approved U.L. Fire Door construction does not permit the use of many options available on Service Doors, such as guide weatherstripping, pass doors, mullions, vision lites, aluminum, etc.



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