

"Blaze Gard" Fire Door Specifications



STANDARD SPECIFICATIONS

Rolling Steel "Blaze Gard" Fire Doors are to be Acme Model (see page 12) as manufactured by Acme Rolling Steel Door Corporation - Ridgefield, NJ (800) 281-5680.

Operation: Fire Doors to be manual push-up operated (M); chain hoist operated using gear reduction and galvanized handchain (C); motor operated (MO).

Mounting: To be interior face mounted on a prepared opening (F); interior mounted between jambs and under lintel in a prepared opening.

Work Not Included: Opening preparation, miscellaneous or structural steel, access panels, finish or field painting, electrical wires, wiring, disconnect switches, mounting of controls, conduit are in scope of the work of other sections or trades.

Curtains: Are to be constructed of interlocking roll-formed galvanized steel slats (stainless steel) with a coating of zinc not less than 1.25 ounces per square foot of flat metal, per ASTM standards. Curtains shall be equipped with a rolled galvanized steel (stainless steel) bottom bar consisting of two angles of equal weight, one on each side, securely fastened to the bottom of curtain for reinforcement and to provide contact against sill when closed.

Note: Insert one of the following: (For Class "A", "B" and "C" Labeled Doors) The ends of each interlocking slat shall be fitted with malleable-iron endlocks which shall act as a wearing surface in the guides and prevent lateral movement of individual curtain slats. (For Class "D" Labeled Doors) The ends of alternate interlocking slats shall be fitted with malleable-iron endlocks which shall act as a wearing surface in the guides and prevent lateral movement of the individual curtain slats.

Guides: Shall be formed of structural steel (galvanized steel) (stainless steel) angles minimum $\frac{3}{16}$ " thick. The guides shall be attached to jambs, plumb and true, by bolts of not less than $\frac{3}{8}$ " diameter, spaced not more than 1'-6" on centers.

Counterbalance Assembly: Shall be steel pipe of sufficient diameter to reduce deflection not to exceed 0.03 inches per foot of span. Ends of roller shaft shall be completely closed by cast-iron plugs. Roller shaft shall house all counterbalancing mechanism including an oil tempered helical

torsion spring capable of producing sufficient torque to assure easy operation of the door curtain from any position. Spring tension shall be adjustable by means of an adjusting wheel on the outside of the end bracket.

Brackets: Shall be of heavy cast iron or steel, designed to form an end closure support for the hood. Ends of roller shaft shall be journalled into bracket hubs of sufficient thickness to provide ample bearing surface for load of roller shaft and curtain. Operator bracket hub and plug in spring end of shaft shall be fitted with self-lubricating bronze bearings or permanently lubricated, sealed ball bearings.

Hoods: Are to be fabricated of not less than 24 gauge Bonderized hot-galvanized steel (24 gauge stainless steel) and formed to fit contour of end brackets in a neat manner and reinforced at top and bottom with rolled flanges.

Finish: Galvanized steel for curtain slats shall have 1.25 ounces of zinc per square foot per ASTM standards. Other surfaces of door parts shall be given one shop coat of rust inhibiting primer.

Operation Note: Insert one of the following: (Doors shall be operated manually in general service by means of handles on the bottom bar). (Doors shall be operated mechanically in general service by means of chain-gear operator - handchain to be galvanized. All gears to be high grade gray-iron cast from machine cut patterns. Gear reduction shall be calculated to reduce pull exerted on handchain not to be over 35 pounds).

ERECTION

All doors shall be erected by the manufacturer or his authorized representative, having a minimum of five (5) years experience in the installation of similar type doors.

OPTIONAL FEATURES

Motor Operators: To be integral assemblies with NEMA rated electrical components, Model (H) (MO), consisting of high torque motor, braking system, self-locking gearing, (Model MO gear reducer with worm gears in oil bath) (Model H chain sprocket gearing), emergency chain operator with disconnect and electrical safety interlock, internal reversing magnetic controller, push-button station with open-close-stop, internal pre-wiring. Motor may be removed for service without affecting emergency chain operation or limit switch settings.

Special Electrical Controls to Include: Refer to page 18 for special electrical equipment.

Optional Prime Finish: (add) Galvanized steel slats shall have a baked-on coat of epoxy modified polyester.

