



MAHON DOOR CORPORATION

QUALITY PRODUCTS SINCE 1912

MAHON ALL-SEAL Non-Insulated Rolling Service Doors Product Specifications

ROLLING SERVICE DOORS STANDARD SPECIFICATIONS

1. **FURNISH AND INSTALL** rolling service doors as indicated. Doors shall be as manufactured by Mahon Door Corporation.
2. **WORK NOT INCLUDED** unless otherwise specified: preparation of openings, steel jambs or supports, trim, access panels, field or finish painting, wiring or disconnect switches for motor operated doors.
3. **CURTAINS** are to be formed of (galvanized steel), (aluminum), (stainless steel) interlocking slats designed to withstand a windload of 20 pounds per square foot. Windlocks to be furnished where required by opening span, or for heavier windload requirements. Steel slats shall be galvanized per ASTM standards, chemically treated for paint adhesion. Both ends of alternate slats to be equipped with endlocks. The bottom of each curtain shall be reinforced with two (2) (steel), (aluminum), (stainless steel) angles of equal weight or extruded aluminum bottom bar assembly standard on all doors up to 16'-0" unless specified otherwise.
4. **COUNTERBALANCE ASSEMBLY** shall be furnished with oil tempered helical torsion springs having a 25% safety factor. Springs shall be fixed to tapered cast anchors, mounted on a single steel torsion rod. Torsion rod to be attached to a spring adjusting wheel, adjustable without removing the hood. Entire spring assembly to be housed in a steel pipe shaft of proper diameter and thickness so not to exceed .03" of deflection per foot of span.
5. **BRACKET PLATES** are to be of steel plate with sealed ball bearings to support counterbalance assembly and door curtain. Brackets to form end closures and support hood.
6. **HOODS** shall not be less than 24 Gauge (galvanized steel), (aluminum), (stainless steel), contour to fit end brackets, and reinforced with stiffening beads at top and bottom edges.
7. **GUIDES** are to be fabricated of (steel), (aluminum), (stainless steel) angles of not less than 3/16" thick. Depth of guides to be sufficient to retain curtain under windload specified. If windlocks are required, guides will be furnished with windlock retainers. Guides to be assembled with 3/8" bolts, bolted to jambs at spacings not exceeding 3'-0" on centers, bellmouths and door stops are incorporated into guide assemblies as standard.
8. **OPERATION** is to be (manual, with lift handles), (hand chain and gear, maximum of 35 pounds of pull), (hand crank gear), (motor operator).
9. **LOCKING** with provision for padlocks by means of (slide bolts on manual doors), (chain lock keeper for chain operated doors), (locking disc for crank operated doors), (self-locking gearing on motor operated doors), with chain lock for emergency hand chain.
10. **FINISH** steel surfaces to receive one shop coat of prime paint except galvanized surfaces, bearings, etc. For aluminum finish shall be (mill), (anodized), (duranodic). For stainless steel finish shall be (mill), (#4).



SPECIFICATIONS FOR OPTIONAL FEATURES

MOTOR OPERATIONS to include high starting torque motor, reduction gearing, solenoid brake, limit switches for up and down door travel, emergency hand chain with electrical interlock to cut power to control switch when hand chain is engaged, magnetic relay starter with overload protection, internal pre-wiring to terminal block, three button station operating on a 24 volt control circuit. Motor is removable without affecting emergency hand chain operation. Wiring diagram provided.

REVERSING SAFETY DOOR EDGE to be furnished on motor operated doors. Upon contact with an obstruction this safety feature will stop the door and return it to fully open position.

BOTTOM ASTRAGAL as the still to be provided using tubular neoprene.

WINDLOCKS to be provided for doors exceeding 20 pounds per square foot windload with appropriate windlock guides.

SLOPING BOTTOM BARS to be furnished as indicated to suit sloped sill conditions.

ALL SEAL WEATHER DOOR to be provided with weather stripping around all edges, including guide weather stripping, bottom bar astragal, hood baffle and No. 5 slat.

SHOP COAT curtain and hoods shall be shop primed in addition to non-galvanized surfaces. **A full range of powder coatings is also available.** Mahon Door powder coat is available in more than 100 colors for virtually unlimited design requirements.

VISION LITES, 1" x 5", to be furnished at eye level, assemble consisting of 3 lites across - 5 slats high.

EXTERIOR MOUNTING with exterior hoods and operator covers, thru wall provided when operation is desired inside - door mounted on exterior.

GALVANIZING to be applied to guides, brackets and pipe shafting in addition to galvanized parts provided in standard specifications.

FACIAS AND SOFITS to be provided, if shown to be supplied by Mahon.

INSULATED SLATS shall be double faced galvanized and prime painted #4 slat with polyisocyanurate.

STOPLOCK SAFETY BEARING to be furnished on motor operated doors to prevent doors from falling due to damage to motor operator, drive chain or pipe shaft.

WICKET DOORS are available. Call factory with your specifications.

CYLINDER LOCKING is to be provided on the bottom bar of the door. For motor operated doors, protective cut-out switches to be furnished.

Consult With Factory For More Information Regarding Any Optional Items Or Repair Service By Calling 1-800-826-3667.

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