Model MW Weather-Edge Doors
STANDARD SPECIFICATIONS

PART 1 GENERAL

1.01 SUMMARY

A. Model MW Weather-Edge Doors shall be manufactured by Commercial Doors

1.02 SYSTEM DESCRIPTION

A. Doors shall be designed for 20,000 cycles usage.
B. Doors shall be designed to withstand a 20 PSF windload.
C. Doors shall be for use in openings up to 20'-0" wide, 16'-0" high

1.03 WARRANTY

A. Doors shall be warranted against defects in workmanship and materials for one year from date of shipment, provided designed cycle life is not exceeded. Factory finishes are excluded from warranty.

PART 2 PRODUCTS

2.01 MATERIALS

A. **Curtain** shall be assembled from interlocking Type T (2 5/8" x 3/4") flat slats, roll-formed from galvanized steel strip. Slats shall be 24 gauge minimum on doors to 16'-0" wide, 22 gauge minimum on doors over 16'-0" wide. Endlocks shall be riveted to ends of alternate slats.

B. **Bottom bar** shall be a T-shape aluminum extrusion on doors to 16'-0" wide, or formed by two 1 1/2" x 1 1/2" x 1/8" minimum steel angles bolted together on doors over 16'-0" wide, attached to bottom of curtain. Vinyl weatherstrip shall be provided on bottom of bottom bar.

C. **Guides** shall be formed 11 gauge steel channels, sized to retain curtain, bolted to 3/16" minimum structural steel wall angles, sized to support door. Guides shall be assembled and attached to wall with 3/8" minimum bolts no more than 24" on center. Vinyl weatherstrip shall be attached to guides. Removable curtain stops shall be provided.

D. **Barrel** shall be 4 1/2" minimum diameter steel pipe, sized to contain counterbalance assembly and support curtain with a maximum deflection of 0.03" per ft. of width. Counterbalance assembly shall consist of torsion spring(s) and fittings mounted to a continuous cold finished steel shaft. Grease packed sealed bearings shall be used to support each end of counterbalance assembly. Spring tension shall be adjustable by adjusting wheel outside bracket.

E. **Brackets** shall be 3/16" minimum steel plates bolted to wall angles. Plates shall be sized to support curtain and barrel and provided with 1/8" flanges for hood attachment. Bracket on operator side shall be fitted with a grease packed sealed bearing.

F. **Hood** shall be formed from 24 gauge galvanized steel sheet with top and bottom reinforcements to reduce deflection. Vinyl baffle shall be attached to inside of hood. Intermediate support(s) shall be provided when necessary.

G. **Operation** of doors shall be as follows:
PUSH-UP operated on doors to 10'-0" wide, 8'-0" high with 24 gauge slats; to 8'-0" wide, 8'-0" high with 22 gauge slats.
CHAIN HOIST operated with cast iron reduction gears on larger doors [option on push-up operated doors].
AWNING CRANK operated with removable handle on doors to 16'-0" wide, 10'-0" high, 150 sq. ft. with 24 gauge slats; to 14'-0" wide, 10'-0" high, 120 sq. ft. with 22 or 20 gauge slats [option on all doors].
MOTOR operated with UL Listed inline gear drive assembly, mounted horizontally in front of and parallel to door coil, and not requiring additional clearance above top of coil [option on all doors].

H. **Locking** shall be by slide locks coil side on bottom bar of push-up, chain hoist and awning crank operated doors.
NOTE: Motor operators provide self-locking gear reduction - if slide locks are required on motor operated doors, a motor operator with internal lock sensor, or guide mounted electrical interlocks, are required to prevent opening door with locks engaged.

2.02 FINISHES

A. Galvanized steel slats and hood shall have a baked-on primer and polyester top coat (tan color opposite coil side with off-white color coil side (colors may be reversed), or grey color both sides). Extruded aluminum bottom bar shall be clear anodized finish. Steel bottom bar, guides and brackets shall be shop painted with a black color rust-inhibiting primer.

PART 3 EXECUTION

3.01 INSTALLATION

A. Doors shall be installed in accordance with Commercial Doors Direct Installation Instructions

903 Jan Mar Court, Minneola, Fl 34715
Toll Free 1(800) 357-DOOR (3667)
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Model MW Weather-Edge Doors
AVAILABLE OPTIONS

Mounting	Between-jamb mounting (includes filler angles) Under lintel mounting (includes fascia) Guides and brackets attached directly to steel tube supports (in lieu of wall angles) *NOTE: Tube supports are not to be considered structural building components*
Curtain	Heavier than standard gauge Type T slats (20 gauge maximum) Type F (2" x 9/16") flat slats on doors to 16' wide (20 gauge maximum) Vision lites of single or multiple 4" x 1 1/2" cut-outs (available with Type T slats) or 4" x 1" cut-outs (available with Type F slats) spaced 2" apart, covered with plexiglas Malleable iron endlocks (available with Type T slats) Aluminum slats (Type T - 16 gauge on doors to 16' wide) Wicket door, 3'-0" x 7'-0" door with standard Grade 2 lever lockset and steel frame, for pedestrian access through the curtain (available with a variety of other lockset and deadbolt types)
Bottom Bar	Two steel angles bolted together (on doors to 16'-0" wide) Sensing edge to reverse closing of a motor operated door upon contact with an obstruction Sloping or irregular shaped bottom bar for non-level sill (24" maximum slope)
Guides	Brush guide weatherstrip in lieu of vinyl guide weatherstrip
Barrel	Internal tension wheel (inside the bracket) on doors to 10'-0" wide, 8'-0" high with 24 or 22 gauge slats
Hood & Covers	Heavier than standard gauge hood (20 gauge maximum) Brush header seal (field installed) Fascia to close area behind brackets when no wall is present End caps to enclose operating or tension brackets (recommended on doors mounted to the exterior of a building or when operating device is less than 8 feet above the floor) Motor cover (recommended on motor operators less than 8 feet above the floor or on the exterior of a building) Aluminum hood, fascia, end caps and motor cover
Operation	Through-wall operations (operable from opposite side of wall to which door is mounted)
Locking	Guide mounted pin lock with American 2000 lock Mortise cylinder or thumb turn activated double throw bolt (in tubular aluminum bottom bar) Master keying or special brand cylinders
Finishes	Galvanized steel bottom bar, guides and brackets Clear or bronze anodized aluminum slats, bottom bar and hood Powder coated slats, bottom bar, guides and hood

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