Model CD Counter Service Doors
STANDARD SPECIFICATIONS

PART 1 GENERAL

1.01 SUMMARY

A. Model CD Counter Service Doors shall be manufactured by Lawrence Roll-Up Doors, Inc.

1.02 SYSTEM DESCRIPTION

A. Doors shall be for use on service counters and other smaller openings up to 20'-0" wide, 10'-0" high, 120 sq. ft.

B. Doors shall be designed for 10,000 cycles usage.

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 F (2" x 9/16") flat slats, roll-formed from 22 gauge galvanized steel or stainless steel, or 18 gauge (.040") aluminum strip. Endlocks shall be riveted to ends of alternate slats. Security locks shall be riveted to ends of every 6th slat on doors over 14'-0" wide.

B. **Bottom bar** shall be formed by one 2" x 2" x 1/8" steel, stainless steel, or aluminum angle, attached to bottom of curtain. Vinyl seal on bottom of bottom bar shall be provided.

C. **Guides** shall be aluminum extrusions fitted with HDPE wear strips, sized to retain curtain and support door. Guides shall be assembled with 1/4" minimum bolts no more than 24" on center and attached to wall with 3/8" minimum bolts no more than 24" on center. Guides shall incorporate an integral system to allow for field adjustment of lock bar heights. Removable curtain stops shall be provided.

D. **Barrel** shall be 4 1/2" 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" steel plates bolted to guides. 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 or stainless steel, or 20 gauge (.032") aluminum sheet with top and bottom reinforcements to reduce deflection. Intermediate support shall be provided when necessary.

G. **Operation** of doors shall be:

- Push up on steel and stainless steel doors to 12'-0" wide, 8'-0" high, 84 sq. ft. and aluminum doors to 14'-0" wide, 8'-0" high, 96 sq. ft.
- Awning crank with removable handle on larger doors (optional on push-up operated doors).
- Model MGRL inline gear drive motor operator with integral lock sensor to prevent opening door with locks engaged, UL Listed, mounted horizontally in front of and parallel to door coil and not requiring additional clearance above top of coil, with wall mount 3-button open-close-stop control station requiring constant pressure to close, NEMA 1 enclosures (optional on all doors).
- Model STK tubular motor operator, UL Listed, concealed inside of barrel and not requiring additional clearance in front of coil, separate wall mount control panel, with wall mount 3-button open-close-stop control station requiring constant pressure to close, NEMA 1 enclosures (optional on all doors – eliminates the need for counterbalance assembly and spring tension adjustment).

  NOTE: When momentary pressure close is required, or control is not within line of sight of the door, a monitored sensing edge on the bottom bar, or monitored reflective sensor on the guide, is required to reverse the door upon sensing an obstruction in the opening.
  NOTE: For ease of operation, awning crank or motor operator is recommended on doors over 7'-0" high (or top of opening is more than 7'-0" above the floor) and operated regularly, or when doors are operated over a deep counter or other obstruction making push-up operation difficult.

H. **Locking** shall be by slide locks coil side on bottom bar of push-up 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 grey polyester top coat. Steel bottom bar and brackets shall be shop painted with a black color rust-inhibiting primer. Stainless steel slats, bottom bar and hood shall have a brushed finish. Aluminum slats, bottom bar, guides and hood shall be clear anodized.

PART 3 EXECUTION

3.01 INSTALLATION

A. Doors shall be installed in accordance with Lawrence Roll-Up Doors, Inc. installation instructions.