



DURACOIL™
BASIC

ACCEPTABLE MANUFACTURER

Rolling service doors shall be DuraCoil BASIC as manufactured by Raynor of Dixon, Illinois.

OPERATION

- A. Operation Type: Rolling service doors shall be operated (select from list below):
1. Push-up: as normally-provided (not recommended for service doors over 10' (3048 mm) wide and/or 7'- 4" (2235 mm) high).
 2. Hand Chain: as normally-provided for service doors over 10' (3048) wide and/or 7'- 4" (2235 mm) high.
 3. Hand Crank: as optionally-provided by means of a gear reduction hand crank.
 4. Motor: as optionally-provided by means of a Raynor PowerHoist jack-shaft type electric operator (specified separately).
- B. Mounting: Rolling service door shall be (select from list below):
1. Face-Mount: as normally-provided and fastened to the face of the wall opening (see Guide B) for guide attachment hardware options).
 2. Between-Jamb Mounting: as optionally-provided and fastened between the jambs of the wall opening (see Guide B) for guide attachment hardware options).
- C. Drive Orientation: for hand-chain, hand-crank or motor operated service doors, the drive shall be oriented (select from list below):
1. Left-hand: as normally-provided from the left-hand side, when facing the reference side of the door (side with counterbalance or hood exposed).
 2. Right-hand: as optionally-provided from the right-hand side, when facing the reference side of the door (side with counterbalance or hood exposed).

CURTAIN

- A. Material: The curtain shall consist of 24 gauge (.023" minimum steel thickness) steel interlocking slats. Steel slats shall be roll-formed from commercial quality hot-dipped galvanized (G-60) steel per ASTM A-653.
- B. Slat Type: The rolling service door curtain shall be comprised of interlocking, flat-type steel slats.
- C. Finish/Color: The curtain shall be finished in (select from list below):
1. Gray: as normally-provided, with one coat white epoxy primer and one top coat of gray polyester paint.
 2. Tan : as optionally-provided, with one coat white epoxy primer and one top coat of tan polyester paint.
- D. Endlocks: Lateral movement of the slats to be contained by means of zinc-plated stamped steel endlocks fastened with two zinc-plated steel rivets.
- E. Bottom Bar and Seal: Bottom bar shall be two roll-formed galvanized steel angles, minimum 1 ½" x 1 ½" x 1/8" (38.1 mm x 38.1 mm x 3.2 mm). Bottom astragal shall be single-contact type.
- F. Vision Panels: Rolling service door may be furnished with 4" x 1" (101.6 mm x 25.4 mm) plexiglass vision panels, 1/8" (3.2 mm) thick with quantity and locations detailed on door elevation drawing (delete this section if not applicable).
- G. Curtain Wear Straps: Rolling service door may be furnished with polyester wear straps to discourage the curtain from premature wear resulting from coiling of the door (delete this section if not applicable).

GUIDES

- A. Guide Assemblies: All guide assemblies are minimum, 14 gauge roll-formed galvanized steel and fastened to an 11 gauge galvanized steel wall angle. Guide assemblies shall be fitted with removable curtain stops.
- B. Jamb Construction: Rolling service door shall be mounted to (select from list below):
1. Steel Jambs: as normally-provided, and supplied with self-tapping fastener.
 2. Wood Jambs: as normally-provided, and supplied with lag bolt fasteners.
 3. Masonry Jambs: as optionally-provided, and supplied with anchor bolt fasteners.
- C. Weather Seal: Rolling service door may be provided with guide brush seal or extruded vinyl with aluminum retainer (delete this section if not applicable).

COUNTERBALANCE SYSTEM

- A. Headplates: Mounting brackets shall be made from 10 gauge galvanized steel plate and attached to the wall angle of the guide assembly with ½" (12.7 mm) diameter bolts. The inside of the drive bracket shall be fitted with a sealed ball bearing.
- B. Barrel: The barrel shall be made from a minimum 4 ½" (114.3 mm) O.D. x .120" (3.1 mm) wall structural steel pipe. Deflection of pipe under full load shall not exceed .03" (.8 mm) per foot of span.
- C. Spring: The curtain shall be counterbalanced by means of oil-tempered, helical torsion springs, grease packed and mounted on a continuous steel torsion shaft. Springs shall be compression spring design to facilitate any counterbalance maintenance.



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ENCLOSURES

- A. Hood: Rolling service door may be furnished with a hood enclosure (select from list below or delete section if not applicable):
 - 1. Round Hood: as optionally-provided, round hood enclosure comprised of 24 gauge steel and finish-painted to match the curtain.
 - 2. Square Hood: as optionally-provided with a square hood comprised of 24 gauge steel and finish-painted to match the curtain.
 - 3. Exterior Shelter Hood: as optionally-provided for doors installed in exterior applications.

- B. Hood Baffle: Rolling service doors that are specified to include a hood may be furnished with a hood baffle with a rubber EPDM seal to inhibit air infiltration through hood cavity (delete this section if not applicable).

HARDWARE

- A. Lock: Rolling service door may be provided with an optional lock (select from list below or delete this section if not applicable).
 - 1. Lock Bar: as optionally-provided with a locking bar (padlock by others) for use with push-up, hand chain, and hand crank operated doors (motor operated doors will require an interlock switch with the locking bar).
 - 2. Hand Chain Lock: as optionally-provided for doors operated with hand chain (padlock by others).
 - 3. Cylinder Lock: as optionally-provided and available for use with push-up, hand chain, and hand crank operated doors (motor operated doors will require an interlock switch with the cylinder lock).