



DURACOIL™
SELECT

ACCEPTABLE MANUFACTURER

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

OPERATION

- A. Operation Type: Rolling service doors shall be operated (select from list below):
1. Hand Chain: as normally-provided for service doors over 10' (3048 mm) wide and/or 7'- 4" (2235 mm) high.
 2. Push-up: as normally-provided (not recommended for service doors over 10' (3048 mm) 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 interlocking roll-formed slats, consisting of (select from list below):
1. 0.04 Aluminum: aluminum slats shall be .04" (1.02 mm) thick, or depending on size, some doors may required .05" (1.3 mm) minimum aluminum thickness.
 2. 0.05 Aluminum: aluminum slats shall be .05" (1.3 mm) minimum aluminum thickness, regardless of door size.
 3. Stainless Steel: slats shall be roll-formed from type 304, 22 gauge (.027 minimum thickness) stainless steel, or depending on size, some doors may require 20 gauge.
 4. Stainless Steel: slats shall be roll-formed from type 304, 20 gauge (.033 minimum thickness) stainless steel, regardless of door size.
- B. Slat Type: The curtain slat configuration shall consist of (select from list below):
1. Flat Slat: as normally-provided.
 2. Insulated Flat Slat: as optionally-provided, slat shall be filled with poly-isocyanurate foam board insulation and fitted with a back cover. (Available in aluminum slats)
 3. Perforated Flat Slat: as optionally provided, slat shall be punched with 1/16" (1.6 mm) diameter holes across the entire length of the slat, providing 31% open area (visibility) per square foot of door. (Available in aluminum slats)
- C. Insulation / Back cover: Rolling service doors that feature insulated flat slats shall achieve an R-value insulation factor of 6.24 and U-value of .160. Insulated doors shall be fitted with .04" (1.02 mm) thick aluminum back covers (delete section if not applicable).
- D. Finish/Color: The curtain shall be finished in (select from list below):
1. Clear Anodized: as normally-provided for aluminum curtain doors.
 2. Stainless Steel #4: as normally-provided for stainless steel curtain doors.
- E. Endlocks: Lateral movement of the slats to be contained by means of zinc-plated malleable cast-iron endlocks fastened with two zinc-plated steel rivets.
- F. Bottom Bar and Seal: Bottom bar shall be two angles, minimum 1 1/2" x 1 1/2" x 1/8" (38.1 mm x 38.1 mm x 3.2 mm) with single-contact type vinyl and finished to match the curtain. (Note: Stainless steel doors over 14' wide (4267 mm) are provided with mill finish only on the bottom bar.
- G. Windload: Doors shall be designed to withstand 20 pounds per square foot (87.64 kg/sq.m.) windload.
- H. 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 for flat slats and 5/8" (15.9 mm) for insulated flat slat with quantity and locations detailed on door elevation drawing (delete this section if not applicable).
- I. 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: The rolling service door guides shall be fitted with removable curtain stops, and be furnished in (select from list below):
1. Steel: as normally-provided consisting of three structural steel angles, minimum 3" x 2" x 3/16" (76 mm x 51 mm x 4.8 mm), finished with one coat of rust inhibitive primer.
 2. Stainless Steel: as optionally-provided consisting of three structural stainless steel angles, minimum 3" x 2" x 3/16" (76 mm x 51 mm x 4.8 mm), mill finished.
 3. Aluminum: as optionally-provided consisting of aluminum extrusion, clear anodized and steel wall angle, minimum 3" x 3" x 3/16" (76 mm x 76 mm x 4.8 mm), finished with one coat of rust inhibitive primer.
- B. Jamb Construction: Rolling service door shall be mounted to (select from list below):
1. Steel Jamb: as normally-provided, and supplied with self-tapping fastener.
 2. Wood Jamb: as optionally-provided, and supplied with lag bolt fasteners.
 3. Masonry Jamb: as optionally-provided, and supplied with anchor bolt fasteners.
- C. Weather Seal: Rolling service door may be provided with guide brush seal or snap-on vinyl seal for steel and stainless steel guides (delete this section if not applicable).

COUNTERBALANCE SYSTEM

- A. Headplates: Mounting brackets shall be made from 3/16" (4.8 mm) steel plate and attached to the wall angle of the guide assembly with 1/2" (12.7 mm) diameter bolts. The inside of the drive bracket shall be fitted with a sealed ball bearing. Head plates shall receive one coat of rust-inhibitive primer.
- B. Barrel: The barrel shall be made from a minimum 4 1/2" (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. Counterbalance: The curtain shall be counterbalanced by means of torsion (select from list below):
1. Torsion Spring: as normally-provided, consisting of oil-tempered, helical torsion springs, grease packed and mounted on a continuous steel torsion shaft.
 2. Weight Counterbalance: as optionally-provided, for promoting high cycle life durability. (Note: not available with insulated flat slat type doors.)

ENCLOSURES

- A. Hood: Rolling service door may be furnished with a hood enclosure (select from list below):
1. Steel Round Hood: as normally-provided, round hood enclosure comprised of 24 gauge galvanized steel and finish-painted gray.
 2. Steel Square Hood: as optionally-provided, square hood comprised of 24 gauge galvanized steel and finish-painted gray.
 3. Aluminum Round Hood: as optionally-provided, round hood enclosure comprised of .04" (1.02 mm) thick aluminum and finished to match the curtain.
 4. Aluminum Square Hood: as optionally-provided, square hood comprised of .04" (1.02 mm) thick aluminum and finished to match curtain.
 5. Stainless Steel Round Hood: as optionally-provided, round hood enclosure comprised of 24 gauge stainless steel and #4 finish.
 6. Stainless Steel Square Hood: as optionally-provided, square hood comprised of 24 gauge stainless steel and #4 finish.
- 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 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).
- B. Accessory Powder Coat Paint: Rolling service door may be provided with ArmorBrite™ powdercoat finish to be applied to Guides and Hood Enclosure from manufacturer's selection of 187 standard colors (please specify color or delete this section if not applicable).