



DURAGRILLE™
STANDARD

ACCEPTABLE MANUFACTURER

Doors shall be DuraGrille Standard rolling grille door as manufactured by Raynor Garage Doors of Dixon, Illinois.

OPERATION

- A. Operation Type: Rolling grille doors shall be operated by (select from list below):
1. Push-up: as normally-provided (not recommended for doors over 14' (4267mm) wide and/or over 7'4" (2235mm) high.
 2. Hand crank: as optionally-provided by means of gear reduction hand crank.
 3. Motor: as optionally-provided by means of a Raynor jackshaft type electric operator (specified separately)
- B. Mounting: Rolling grille 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.

CURTAIN

- A. Material: Grille Pattern
1. Straight Pattern: Horizontal aluminum rods (5/16 inch (7.9 mm), spaced vertically at 2 inch (50.8 mm) O.C. with vertical link assemblies spaced horizontally at 9 inch (228.6 mm) O.C. Lateral movement of the vertical link assemblies to be contained by C-clips. Vertical link assemblies to be held together by brass eyelets.
 2. Brick Pattern: Horizontal aluminum rods (5/16 inch (7.9 mm), spaced vertically at 2 inch (50.8 mm) O.C., with links spaced horizontally at 9 inch (228.6 mm) O.C. to form a brick pattern with aluminum spacers at the top and bottom of each link.]
- B. Finish: All non-plated components of the door shall receive one coat of rust-inhibitive primer.
1. Mill-finished aluminum
 2. Bronze Anodized
 3. Clear Anodized
- C. Bottom Bar: Bottom of curtain reinforced with extruded aluminum tubular bottom bar with bronze anodized finish or clear anodized finish.

GUIDES

- A. Guide Assemblies: Guides shall consist of extruded aluminum (6063-T5) with bronze anodized or clear anodized] finish. The extruded aluminum guides will be attached to either structural steel angles, structural steel support tubes or directly to jambs.
- B. Wear Strips: Rolling grille door shall be furnished with wool pile wear strips inside the guides to reduce premature wear and noise.
- C. Jamb Construction: Rolling grille door shall be mounted to (select from list below):
1. Steel Jambs: supplied with self-tapping fasteners
 2. Wood Jambs: supplied with lag bolt fasteners
 3. Masonry Jambs: supplied with anchor bolt fasteners
 4. Non-masonry Jambs: for jambs consisting of drywall or plaster

COUNTERBALANCE SYSTEM

- A. Headplates: 3/16 inch (4.8 mm) steel plate, attached to wall angle of guide assembly with 1/2 inch (12.7 mm) diameter bolts. Inside of drive bracket fitted with sealed ball bearing. Provide head plates with one coat of rust-inhibitive primer
- B. Barrel: The barrel shall be made from a minimum 4-1/2 inches (114.3 mm) O.D. and 0.120 inch (3.1 mm) wall thickness structural steel pipe. Deflection of pipe under full load shall not exceed 0.03 inch (0.8 mm) per foot of span.
- C. Counterbalance: The grille door shall be counterbalanced by means of (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.

ENCLOSURES

- A. Hood: Rolling grille door may be furnished with an optional hood enclosure (select from list below):
1. Round Hood: 24 gauge steel.
 2. Round Hood: 0.04 inch (1.02 mm) thick aluminum, finished to match curtain.
 3. Square Hood: 24 gauge steel.
 4. Square Hood: 0.04 inch (1.02 mm) thick aluminum, finished to match curtain.

HARDWARE

- A. Lock: Rolling grille door may be provided with an optional lock (select from list below or delete section if not applicable):
1. Locking 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 locking bar).