



ALUMINUM PANEL ROLL-UP DOOR

ARCHITECTURAL SPECIFICATIONS

Aluminum Panel Roll-Up Doors combine superior security with attractive design while providing visibility. Aluminum Panel doors can be manufactured to fit openings of any width and height to meet a diversity of commercial and residential applications. Doors can be motor, chain hoist, crank or manually operated. Possible applications include, but are not limited to, storefronts, parking garages, interior counter and shopping-mall security.

■ PART 1. GENERAL

1. Work Included

Aluminum Panel Doors will be designated as Model AP___ as manufactured by Best Roll-Up Door, Inc.

- Mounting: The doors can be face mounted or mounted between jams of a prepared opening.

2. Related Work

Opening preparations, miscellaneous or structural steel, field painting or finish, access panels, electrical wires, wiring, switch connection, conduit will be handled by the appropriate trades.

■ PART 2. PRODUCT

1. Curtain

- Panels: Aluminum panels extruded in continuous lengths of anodized 6063-T6 aluminum, alternately connected by solid aluminum bars of 5/16" diameter. Aluminum panels shall be 9" wide and 2" high (center to center distance between solid aluminum bars). The curtain shall have a "brick pattern". Dual-faced configuration.

- Gauge: Dual-faced aluminum panels shall have thickness of 16 gauge on each face.

- Endlocks: For slat alignment and wearing surface, endlocks shall be provided to each end of alternating sets of two bars.

- Anodizing: All aluminum parts shall be anodized. Mill finish and shiny bright-dip anodized finish is also available.

2. Bottom Track

Curtain is reinforced with an extruded 6063-T6 aluminum tube that can be further reinforced for wider openings.

3. Guide and Wall Angle Assembly

- Guides/Wall Angles: Extruded aluminum channels at both sides shall serve as guides. Wall angles shall be either aluminum or steel with minimum thickness of 1/8". Structural steel tubes can also be used in lieu of wall angles.

- Depth of Guide: To be of appropriate size to allow slat penetration and to restrict horizontal slat movement.

4. Bracket Plates

- Bracket Plates: To support the curtain and the counterbalance, the bracket plates shall be provided with minimum thickness of 1/4".

- Drive End Bracket Plate: The bracket plate on the drive-end is to be fitted with a sealed ball bearing.

5. Spring Counterbalance

- Counterbalance: Housed in a steel pipe, maximum deflection to 0.03" per foot of door width is achieved by having the appropriate diameter and wall thickness.

- Springs: Helical torsion with a 25% overload factor for ease of operation and are greased packed mounted on a cold rolled steel inner shaft.
- Spring Tension: Can be adjusted from outside of end bracket plate.
- Ball Bearing: Sealed in order to minimize wear of pipe shaft rotation around inner shaft.

6. Hoods

- Hoods: To completely enclose curtain and counterbalance, hoods shall be provided from #24 U.S. Gauge galvanized steel.
- Reinforcing: Can be reinforced laterally to prevent sag.
- Intermediate Hood Support: Provided where door width exceeds 16'.

7. Operation

Operation can be manual push-up, chain hoist, waist high crank hoist, or electric motor operated.

8. Locking

- Integral Gearing: Power operator can serve as an additional locking for the door.
- Hand Chain Lock: Locking bracket can be provided.
- Cylinder Lock: System is installed in bottom track and can be key or thumb knob operated.

9. Finish

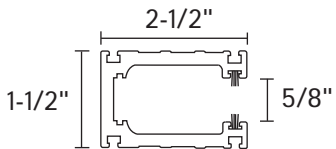
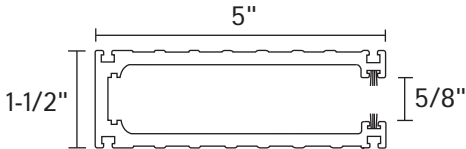
Aluminum surfaces are anodized and can be powder coated in various colors upon request.

■ PART 3 EXECUTION

INSTALLATION: Installation to be completed by an authorized representative.

OPTIONS

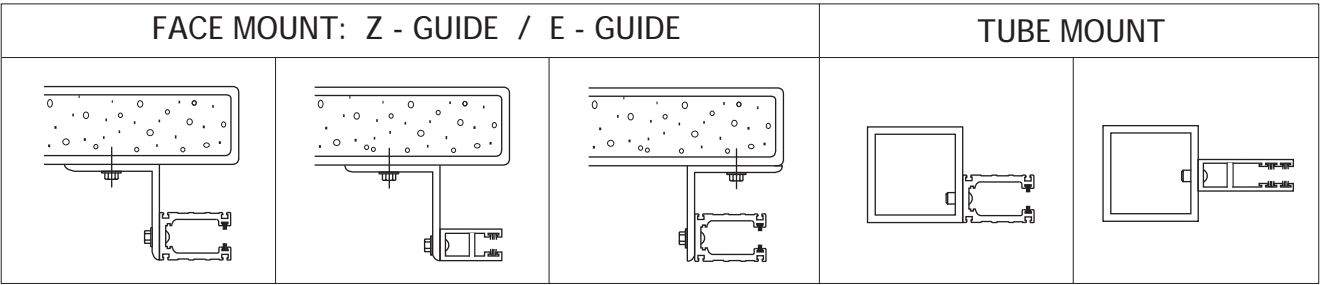
- Bottom Track: Bottom track can be sloped to match contour on finished floor or can be notched to match obstruction on finished floor.
- Sensor Edge: An electronic sensor edge can be added to power operated doors to reverse the door travel upon encountering an obstruction for safety.
- High Cycle Springs: Can be obtained for motorized doors that require 50,000 to 100,000 cycles. Very high cycles in excess of 100,000 are also available.
- Locking: Thumb turn/key cylinder locks are multi-cylinder locks are available.
- Aluminum Surfaces: Aluminum surfaces can have mill finish or clear anodized finish.
- Pass Door: Hollow metal pedestrian door within roll-up door can be obtained in a 3' x 7' or 3' x 6' 8" size. Hinged to roll-up door guide the hollow metal door frame will swing clear of opening when desired. Hardware includes heavy duty hinges and handicap-level lock set.
- Emergency Egress Release Device: Can be supplied to motor operated doors for emergency exit. The device does not require electrical power to operate the door making it indispensable in case of a power outage and a fire.

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| ALUMINUM GUIDE DETAIL |  |  |
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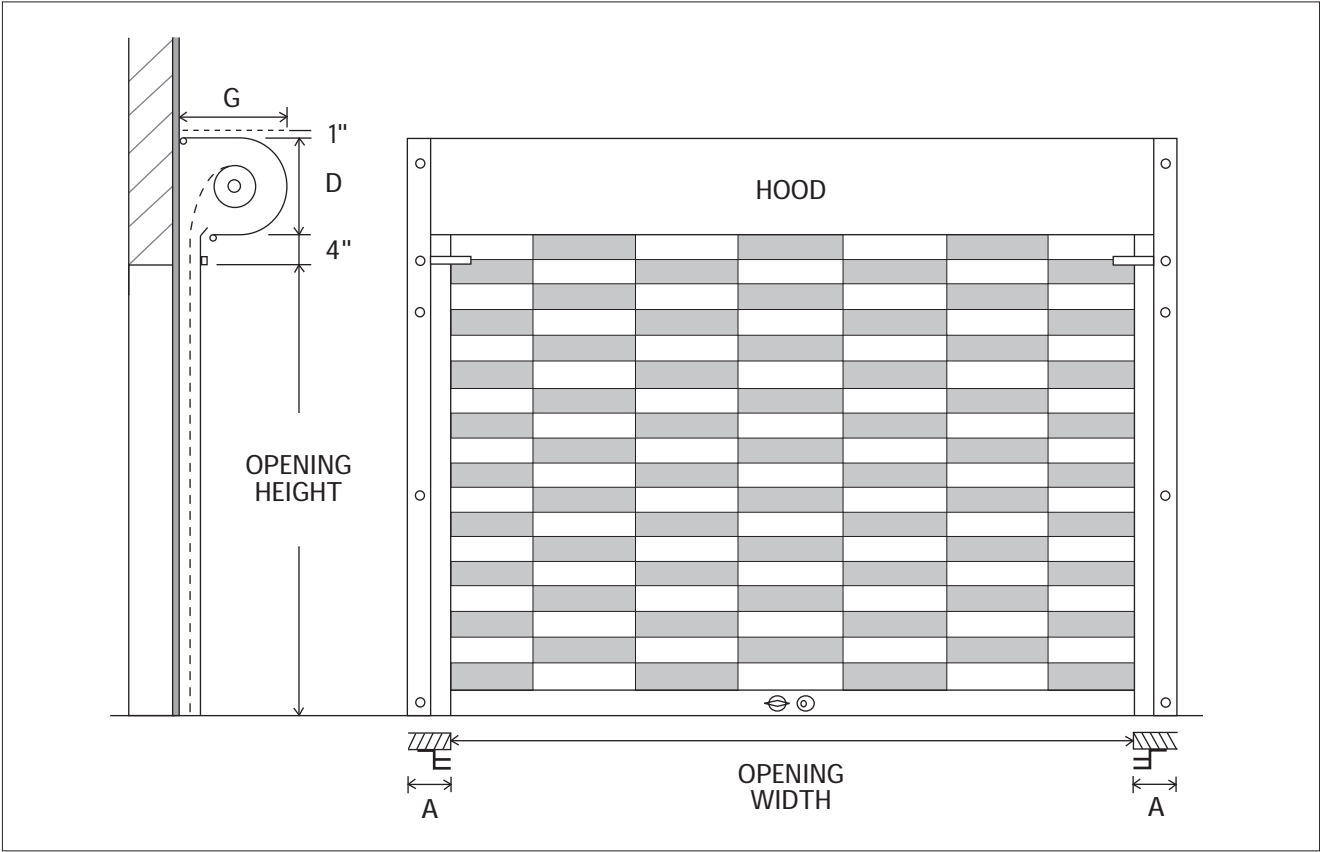


ALUMINUM PANEL ROLL-UP DOOR

MOUNTING TYPES



FRONT VIEW



CLEARANCES

| OPENING HEIGHT | A | D | G |
|----------------|-----------------|-----------------|-----------------|
| Less Than 11' | 5" | 14" | 14" |
| 11' to 16' | 6" | 16" | 16" |
| 16' to 21' | 8" | 20" | 20" |
| Over 21' | Consult Factory | Consult Factory | Consult Factory |

