



REVOL®

Alumatec's REVOLutionary designed open pattern roll-up shutter for extreme high cycle parking garage applications.

The REVOL® has been engineered with 99% less moving components ensuring less maintenance and a longer cycle-life compared to a traditional high cycle roll-up grille.



STANDARD FEATURES INCLUDE:

- 300,000 Cycle-Life Guarantee*
- Travel Speeds Up to 24" (average) Per Second Open
- Full Open Width Hinging System
- Spring-Less Barrel Assembly
- Stock Finishes: Clear anodized
- Options: Dk. Bronze, Black, White

VALUE ADDED OPTIONS:

- Custom Powder Coated Finish
- Three High Speed Operator Choices
- DIRECT DRIVE OPERATOR
- Soft start / Soft stop
- Nema-4 Photo Cells
- Led Light Bar
- Access Controls



DIRECT DRIVE OPERATOR





REVOL®

* **GUARANTEE CYCLE-LIFE OF 300,000 APPLIES ONLY WITH PURCHASE OF THE MOTOR PACKAGE FROM ALUMATEC PACIFIC AND WITH PROOF THAT DOOR WAS INSTALLED TO FACTORY SPECIFICATIONS AND CLEARANCES**

Alumatec Pacific Products Model: **REVOL-HC+HS (High Cycle / High Speed parking garage shutter)**

PART 1 GENERAL

1.01 SUMMARY

- A. Aluminum Rolling Shutter manufactured by **Alumatec Pacific Products** is as shown on this submittal.
- B. Design, construction and preparation of openings, access panels; field wiring, wire conduit, fuses, disconnect switches; finish or field painting are excluded (unless finish is to be provided by Alumatec)
- C. All electrical wiring (both high voltage and low voltage) and ALL Access Controls to be wired by licensed contractor

1.02 SYSTEM DESCRIPTION

- A. High Cycle Rolling shutters are designed for a cycle-life up to **300,000** cycle
- B. Operational travel speed average up to 24" per second open with controlled and 12" per second on the close

1.03 WARRANTY

- A. Limited (see warranty document) Two (2) years from date of first use or commencement of use.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Alumatec Pacific Products – 1155 West 500 North, Centerville, UT 84014 – www.alumatecpp.com
- B. Contact Sale Department: 801-298-0181 ext. 1 or toll free 877-770-0181 ext. 1

2.02 MATERIALS

- A. **Curtain** is assembled from horizontal hinges which consist of extruded 6063 alloy aluminum, 7/8" x 1/2" horizontal hinge system, spaced at 4" on center. Vertical "I" bracing to be spaced at 24 inches on center. Each panel to consist of center 5/16" aluminum rod covered with extruded aluminum sleeve with 24" aperture. Aluminum to be extruded from 6063 alloy and from US billet.
- B. **Bottom Rail** to be 2" x 3" x 3/16" double (back to back) angle, and attached by full length adapter to curtain hinges.
- C. **Barrel** is round steel tubing 6-5/8" diameter (*Barrel hoops not acceptable*), to support the curtain with a maximum deflection of 0.03 per ft. of width.
- D. **Head-Plates** are steel plates, 1/4" minimum thickness, connected to supports through factory pre-punched mounting holes. Bracket plates at each end with mounted US manufactured flange roller bearing rated at a minimum of medium duty to ensure proper cycle-life to warrant operation speed and weight required
- E. **Hood covers:** to be formed in square shape from 24G electro-galvanized or 0.040 clear anodized aluminum sheet with center support bracket / bracing minimum every 14 feet
- F. **Guides** are "F" shaped extruded aluminum from 6063-alloy aluminum, to retain curtain. Guides to be fitted with PVC or ABS wear-strips on both interior and exterior legs. Guides are attached to supports with 3/8" minimum HHCS spaced not more than 36" on center. Removable curtain stops are provided.
- G. **Operation:** Micanan Direct Drive operator with 47mm min. gear box (*Motor package & gearing to be determined by Alumatec*)
- H. **Power:** 230 to 460 volt 3-phase
- I. **Safety Devices:**
 - ☐ Light Curtain
 - ☐ NEMA-4x photo ☐ FRABA® N4X Photo eyes
 - ☐ LED Light Bar (visual) ☐ Timer to close ☐ Countdown timer to close ☐ Audible/visual alarm

2.03 FINISHES

- A. Bottom Rail, Shutter curtain, and guides finish as indicated:
 - ☐ Clear Anodized; ☐ Black Anodized; ☐ Bronze Anodized; ☐ Powder coated finish RAL # _____ (*Standard color chart*)
- B. Exposed steel surfaces are painted with a rust-inhibiting primer
 - ☐ Primed (standard) ☐ Hot-Dipped Galvanized ☐ Powder coated finish RAL # _____ (*Standard color chart*)

2.02 INSTALLATION

- A. Doors are to be installed in accordance with Alumatec Pacific Products installation instructions and by an authorized dealer only. Motor operators upon first use are to be operated and systems set (speed, soft-start / soft stop height, and travel) by an authorized Alumatec technician

PART 3 EXECUTIONS

- All electrical wiring (both high and low voltage) + **ALL** Access Controls to be wired by licensed contractor
- Installation by licensed and authorized Alumatec Pacific door dealer
- *300,000 cycle-life guarantee when REVOL is purchased with high cycle motor package

Alumatec Pacific Products reserves that rights to change, revise or update these specifications if deemed necessary.

● Operational speeds are limited to overall widths, square footage, and site conditions. Not all size REVOL model doors can operator at highest speed.