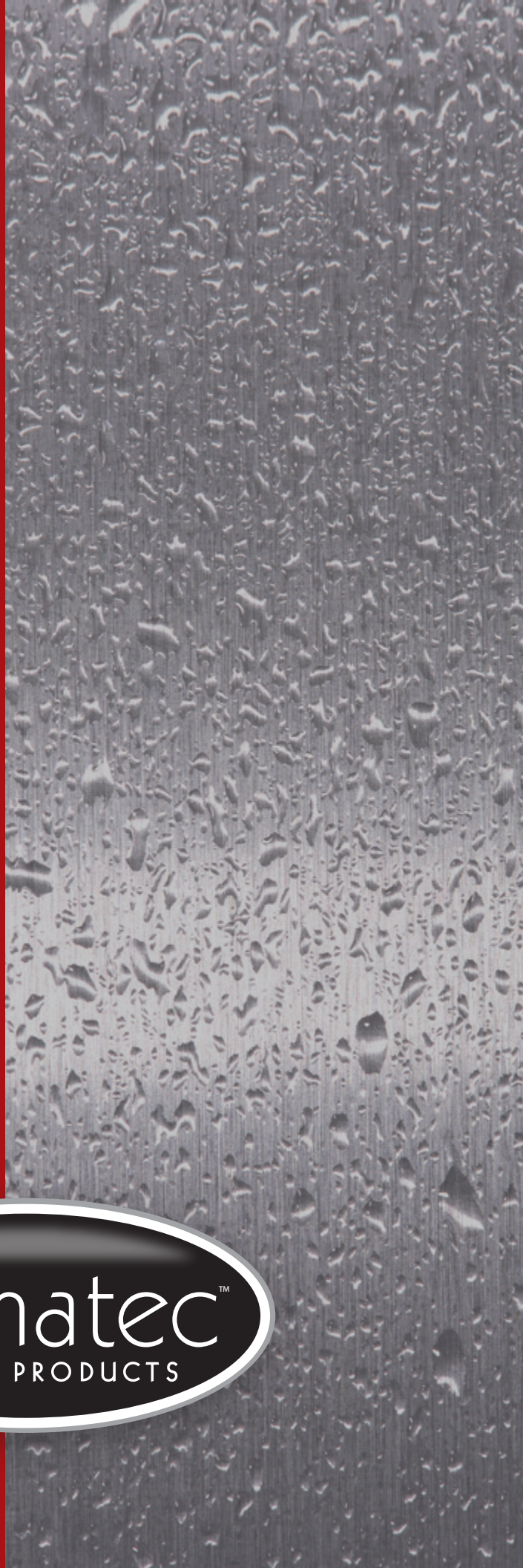
LXR (Polycarbonate) Shutter



alumatec™
PACIFIC PRODUCTS

LXR (Polycarbonate) Shutter

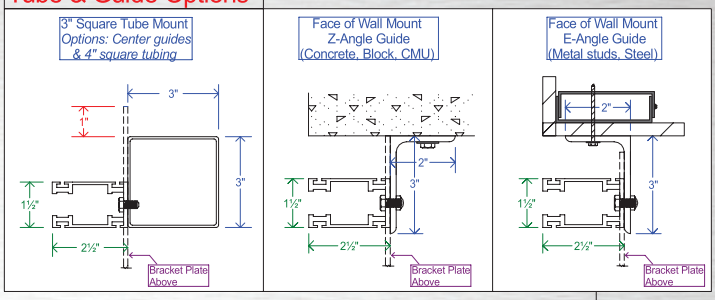
Standard Features:

- 99.9% enclosed curtain.
- Accommodates openings up to 28’ wide and 15’ tall.
- Motors are recommended on openings over 140 square feet.
- Each polycarbonate window is framed with a PVC “H” clip to prevent abrasions when rolling up and down, thus maintaining a clear view of the merchandise even after years of use.

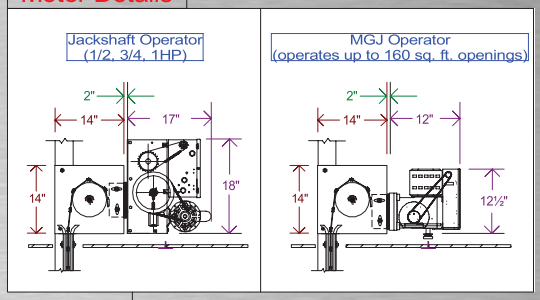
Alumatec Pacific Products polycarbonate style shutter is becoming more and more popular with high-end retailers looking for the added security and beauty of a full view shutter. Our LXR model is by far the best in the industry; manufactured using 1/16” polycarbonate (interior applications) and 3/32” polycarbonate (exterior applications). This advanced style of rolling shutter provides maximum storefront visibility for products and merchandising.

Design Specifications

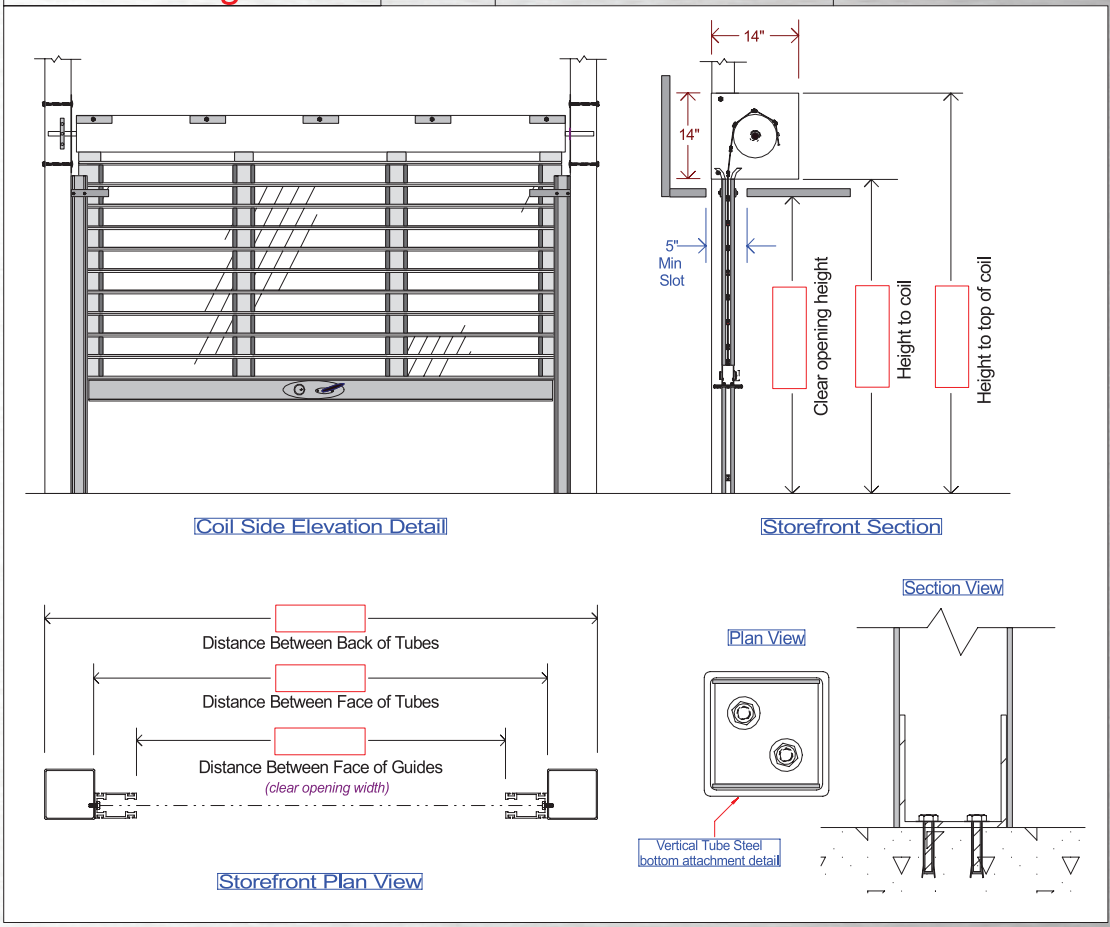
Tube & Guide Options



Motor Details



LXR Drawing Details



Available Finishes

	Clear	White	Light Gray	Bronze	Black	Red
Polycarbonate	√	√	√		√	
Aluminum	√			√	√	
Bottom Bar & Guides	√	√		√	√	√

See our website for complete choice of Powder Coat color options

Alumatec Pacific Products Model: **LXR (Roll-Up Polycarbonate 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 powder coat finish is provided).

1.02 SYSTEM DESCRIPTION

A. Rolling shutters are designed for standard cycle usage, with 25,000 cycle life spring & bearing assemblies.

1.03 WARRANTY

A. Limited (see warranty sheet) two years from date of substantial use – warranty does not apply to finishes.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. Alumatec Pacific Products: 1155 West 500 North, Centerville, UT 84014 – www.alumatecpp.com

B. Sales Department: 801-298-0181 ext. 1 or toll free 877-770-0181 ext. 1

2.02 MATERIALS

A. Curtain is assembled from horizontal rods to consist of extruded aluminum, 7/8" x ½" horizontal hinge system, spaced at 4" on center. Vertical "I" bracing to be spaced at 36 inch on center, with 32" clear window spacing. Polycarbonate windows to be framed with vertical PVC "H" for quiet operation, and to protect windows from damage when rolled upon itself. All aluminum from 6063 alloy, clear anodized aluminum extrusion and from 100% US Billet.

B. Polycarbonate (window) 1/16" clear at 32" aperture (polycarbonate specifications and fire rating upon request).

C. Bottom Bar is a rectangular shape extruded from 6063-alloy aluminum, attached to the bottom of the curtain.

D. Barrel is steel tubing or pipe, 8" minimum diameter, to contain counterbalance assembly and support the curtain with a maximum deflection of 0.03 per ft. of width. Counterbalance assembly consists of coil tempered helical torsion spring(s) mounted on a cold rolled steel shaft, rotating though a sealed bearing. Welding is not to be used to attach plug to barrel at spring end. Spring tensions adjustable by a tension wheel outside of bracket.

E. Brackets are steel plates, 3/16" minimum thickness, bolted to guides, to support barrel. Bracket on operator side is fitted with a flange or sealed roller bearing.

F. Guides are rectangular shapes extruded from 6063-alloy aluminum, formed to retain curtain and fitted with wool pile strips. Guides are attached to jambs with ¼" minimum bolts spaced not more than 24" on center. Removable curtain stops are provided and field adjustable.

G. Operation is as indicated:

- ☐ PUSH-UP – Lifting up/pulling down door with handles on the bottom bar, and nylon strap on 6th panel.
- ☐ CHAIN – Endless hand chain on a chain sprocket operating reduction gears.
- ☐ AWNING CRANK- Removable handles operating a bracket-mounted gearbox or reduction gears.
- ☐ MOTOR – Push button, key, or remote activation of an electric operated, as shown on this submittal.

H. Locking is as indicated:

- **a.** ☐ CYLINDER LOCK on the bottom bar (double throw-bolt activated by center thumb turn or key, operable from inside, outside, or both sides of door, as indicated and shown on this submittal).
  - **i.** ☐ Keyed Cylinder Exterior ☐ Thumb-Turn Cylinder Interior ☐ Keyed Cylinder Inside
  - ☐ Standard Schlage Keyway cylinder
  - ☐ Best interchangeable core cylinder (Medeco, KeyMark, Falcon, etc.)
  - ☐ U-Change cylinder
  - ☐ Medeco (Series 32) interchangeable core cylinder
- **b.** ☐ SELF-LOCKING (through the gear reduction of the motor operator)

2.03 FINISHES

A. Aluminum curtain finish as indicated ☐ Clear Anodized

B. Bottom bar, Bottom bar cap/flange plate, and guides finish as indicated:

☐ Clear Anodized ☐ Black Anodized ☐ Bronze Anodized ☐ Powder: RAL #_____

C. Exposed steel surfaces are painted with a rust-inhibiting gray or black primer on exterior applications.

PART 3 EXECUTIONS

3.01 INSTALLATION

A. Doors are to be installed in accordance with Alumatec Pacific Products installation instructions and by authorized, and certified professional Alumatec Pacific Products door dealer.

alumatec PACIFIC PRODUCTS

1155 West 500 North
Centerville, Utah 84014
Tel: 801.298.0181 Fax: 801.298.0905
Toll Free: 877.770.0181 ext 1

sales@alumatecpp.com • info@alumatecpp.com • www.alumatecpp.com

see us at Sweets.com