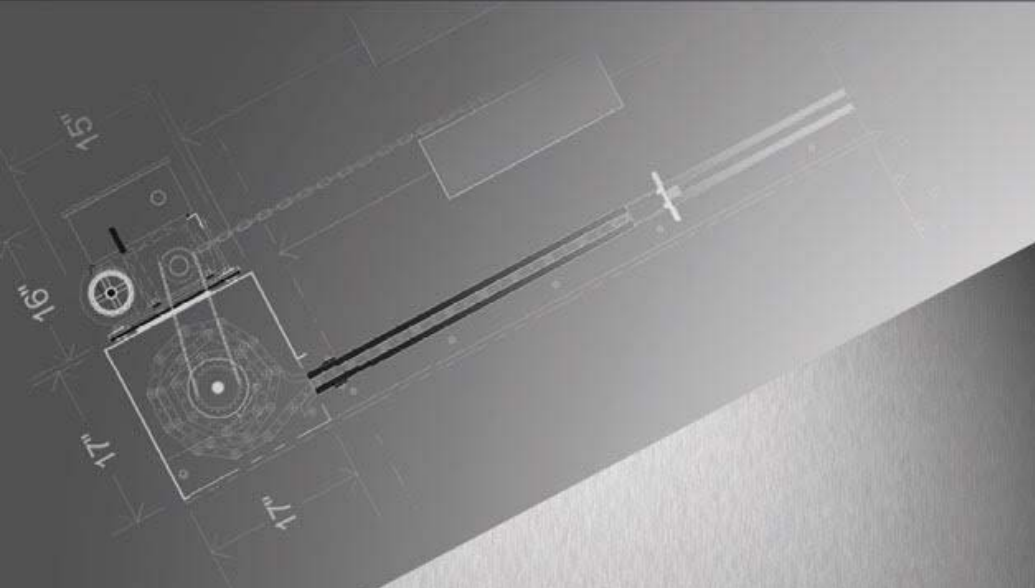


Industrial / Commercial / Retail

LIGO Shutter



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Quality Not Compromised By Speed

LIGO Shutter

DESIGN SPECIFICATIONS

Introducing the all new redesigned LIGO Shutter from Alumatec Pacific Products.

LIGO counter shutter will be the perfect choice for the following projects and conditions:

- Countertop applications
- Storefront applications
- Behind glass storefront applications
- Self-mounting conditions with finished extruded aluminum support guides to match any storefront window mullion



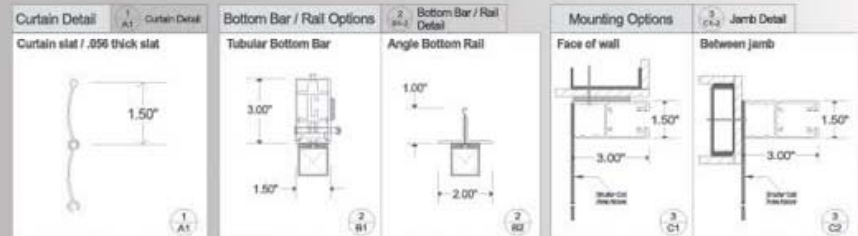
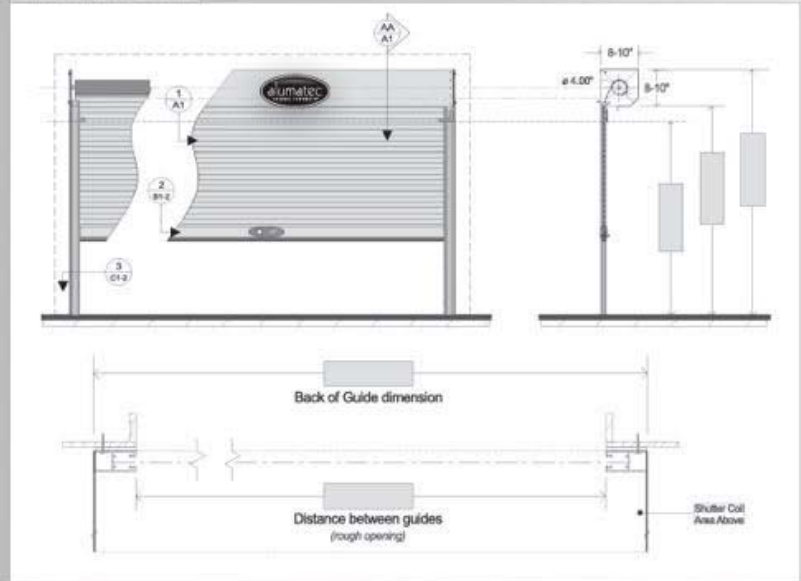
Redesigned Upgrades Include:

1. New H-Guide designed with multiple mounting options (face of wall, between jamb or self-supporting)
2. Aluminum slat thickness .056 (10% thicker than industry standards)
3. Coil plates designed to mount to back of guide dimension to allow clearance for multiple operating options (manual, sprung, crank gear, and internal motor operator)
4. Clean more esthetically pleasing design allows for more simple installation
5. New slat profile design will accept stop heights up to 11'-3" to remain on 8" square or coffered head plate for maximum opening height with smallest coil box required

6. LIGO shutters can be ordered and shipped around barrel, pre-loaded springing, with hood cover attached if jobsite conditions permit
7. Simple and faster installation



LIGO Shutter Details



Finish Options:

- Curtain Finish Options:**
- Clear Satin anodized finish
 - Dark Bronze Dura-coat paint
 - White Dura-coat paint
 - Custom powder coat / RAL # _____
- Bottom Bar & Guides Finish Options:**
- Clear Satin anodized
 - Dk. Bronze Dura-coat paint
 - White Dura-coat paint
 - Custom powder coat / RAL # _____

Operation Options:

- Manual push-up / pull-down:** 20,000 cycle-life counterbalance springing, chrome pull down handles, with 60" galvanized pull hook
- Crank operation:** Reduced 5:1 or 8:1 puck crank gear, mounted to inside of head-plate for clean finish. Universal 45 degree elbow crank hardware mounted to bottom of hood cover. Telescoping white powder coated crank arm from 36" to 64"
- Motor operation (external):** SIMU commercial operators, 15Nm to 50Nm torque with standard crank override, mounted inside of barrel assembly with crank arm and hardware

Control Options

- Key-switch (flush or surface mount)
- Toggle switch (flush mount)
- Rocker switch (flush mount)
- Smart motor control (SMC)

Head-plate dims / options

Head plate Dimension	Stop height
8"	to 11'-3"
10"	to 13'-3"



* Operator torque will be calculated per opening size and weight by factory. ** Required with any bottom bar locking end/or safety device (ladders, photo cells)



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