Counter-Shutter Fire Door

**SMOKE AUTO FIRE SHUT**

Motor Operated Between Jamb Mounted

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**BOTTOM BAR OPTIONS**

- Roll-formed, Double Angle
- Tubular Bar (Lazer Cut) Doors up to 8' wide

**HOOD SHAPES AVAILABLE FOR THIS DOOR**

- Square Shape Hood
- Round Shape Hood

**OBSTACLE EDGES AVAILABLE**

- Electric Sensing Edge

**GUIDES AVAILABLE FOR THIS DOOR**

- "O" Shutter Guide
- Brush Seals

**FLAME BAFFLE DETAIL**

For FM approval, door must have flame baffle installed.

Flame Baffle mounted to underside of hood will drop down to contain flames, in the event of a fire.

**Call your Alpine representative for additional options and safety products to help find the best Alpine door to suit your needs.**
Finding the minimum required operation for the size door you need.

**Height of Shutter**

*Operator Legend*

- **Hand Chain Operation**
- **Motor Operation Only**

To use Chart: Find where your door width and height meet to find the minimum operation that may be used for that door size. For example: The blue line indicates a Hand Chain Operation. Any size door on that line or above that line may use a Hand Chain, including the door sizes that fall into the Manual push up door. But, The Manual push up door may not be used for any door size below the line representing Push up operation. For any door size larger than what is represented here please consult your Alpine Overhead Doors, Inc. Factory. This Graph is for reference only, subject to change without notice.

Finding the minimum required bracket size for the door you need.

**Height of Shutter**

**NOTE:** Bracket sizes may vary based on gauge of curtain. Bracket size is directly related to the pipe low moment arm deflection (not more than .03 inches per foot).

To use Chart: Find where your door width and height meet to find the minimum bracket size for your door. For any door size larger than what is represented here please consult your Alpine Overhead Doors, Inc. Factory. This Graph is for reference only, subject to change without notice.