SMOKE FIRE TITE DOOR

HAND CRANK OPERATED
FACE OF WALL MOUNTED

BOTTOM BAR DETAIL

GUIDE OPTIONS

HOOD SHAPES AVAILABLE FOR THIS DOOR

FASTENER DETAIL

TUBE MOUNTING FOR FIRE DOORS TO ALLOW FOR HEAT EXPANSION

EXISTING WALL CONSTRUCTION VARIES

TOP-OF-TUBE ASSEMBLY

INNER STEEL SLEEVE MAX 1/8" TOTAL CLEARANCE BETWEEN INNER SLEEVE AND OUTER STEEL TUBE

1/8"/FT OF HEIGHT FOR EXPANSION

STEEL CRUSH PLATE

STEEL SPACER PLATE 6" MIN-

FASTENER PER MFR SPEC MIN 2 REQ'D/ASSY • 6" O.C.

EXISTING FLOOR

BASE PLATE

EXISTING FLOOR

FM REQUIRES INTERMEDIATE SUPPORTS, NOT MORE THAN 8'-0" APART.

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.

Distributed By:

Call your Alpine representative for additional options and safety products to help find the best Alpine door to suit your needs.

Manufactured by:

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

Operator Legend

- **Manual Push Up Operation**
- **Hand Crank 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 Crank Operation. Any size door on that line or above that line may use a Hand Crank, 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.

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.