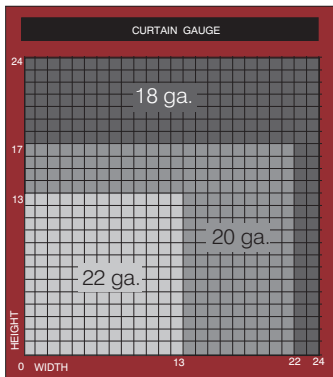


We also have the ability to accurately match the customer's color requirements when provided with the appropriate material samples.

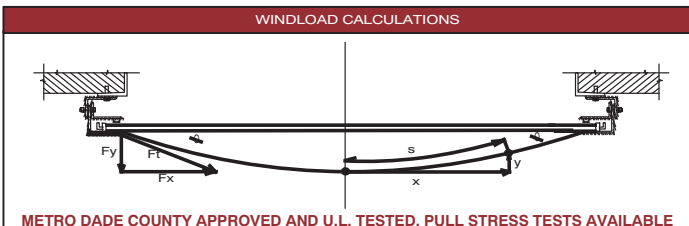
LENGTH = 2 3/4"
DEPTH = 1"



SOUND TRANSMISSION COEFFICIENT PROVIDED UPON REQUEST

INSTALLATION

Opening preparation, miscellaneous or structural metal work, access doors, finish or field painting, field electrical wiring, wire, conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.



APPLICATION AND USE

ISO 9001 Registered Company

Alpine Insul-Vapor Doors are ideal for use in areas where a moderate level of precipitation and moisture are present. Warehouse Facilities, Storage Buildings, Heavy Construction work areas and Boating Marina's are just a few applications.

THE ALPINE ADVANTAGE AND BENEFIT

In times of rising energy costs, Alpine recognizes the need for better protection against the elements. To help combat this problem, Alpine introduces two insulated doors designed to provide energy efficiency. Both utilize a heat resistant polyurethane insulation with a low thermal transmittance factor. To facilitate complete protection against the elements the thermal seal door combines the features of the weather seal door, with a neoprene hood baffle, weather strip guides and rubber seal for the bottom bar. Alpine's quality and workmanship are proven throughout the door industry. Our hands-on approach to every job ensures customer satisfaction.

FUNCTIONAL BENEFITS

Alpine introduces this new IPB-V slat that provides for a full thermal break between the inside and the outside of the slat. The back is made of hard, weather resistant PVC and the inside provides a full vapor barrier for thermal protection. Front slat available in 22, 20 and 18 gauge and ?B.S.? Aluminum with a variety of finishes. Patent # 4639664.

OTHER RELATED PRODUCTS



DOOR CONSTRUCTION

CURTAIN
Constructed of Interlocking, roll-formed 2 3/4", Insulated Plastic Back (IPB) galvanized steel perforated slats, G90 coating exterior (G60 interior), Structural Quality Grade C (ASTM A653/A653M) in 22 Gauge. Optional Gauges in 20 and 18. (Finish Options: phosphate, baked enamel or powder coated.)

GALVANIZED ENDLOCKS
Hot dipped galvanized cast iron endlocks and windlocks riveted to the ends of every slat, with (4) four, 1/4" rivets.

BOTTOM BAR
Two roll formed galvanized steel angles equipped with vinyl weatherstripping which extends into the guides. Standard finish galvanized as per ASTM A 653/A 653 M.

BRACKET PLATES
Steel plate not less than 1/4" thick. The drive end bracket plate is fitted with a sealed ball bearing. The plates are bolted to the wall mounting angle with 1/2" fasteners. The plate supports the counterbalance assembly and forms an end enclosure

GUIDES
Guides are designed using structural steel angles with a minimum thickness of 3/16", minimum 1 1/4" slotted connections and removable bellmouth curtain stops to allow for curtain maintenance without removal of the guides. Bellmouth stops shall be flush with the guide groove. (Option: Vinyl Weather Stripping)

COUNTERBALANCE ASSEMBLY
Steel pipe barrel of a size capable of carrying a curtain load with a maximum deflection of 0.03" per ft. of door width. The Heat treated helical torsion springs are encased in a steel pipe barrel designed for proper door balance. This is to ensure that effort to operate the door will not exceed 35 lbs. A sealed and prelubricated ball bearing is present at rotating support points. A Charge Wheel is located outside the end bracket, which is used for applying initial spring torque and for future adjustments.

HOOD Hexagon (Option: Square or Round)
Produced in #22 ga. steel and formed to fit the contour of the brackets with 3/8" thick intermediate supports used as needed to prevent excessive sag.

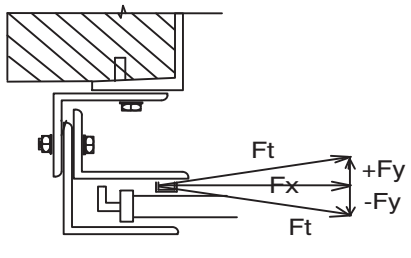
OPERATION
Push-up, hand chain, hand-crank, or motor operation available. For optional features see the motor operators section in this catalog.
Please See Alpine's Motor Operator Page (www.alpinedoors.com/motoroperators.htm)

ACCESS CONTROLS: Optional control stations are available as Push Button Control Station or Key Control Stations. Special Control Stations are also available, please consult factory. *Please See Alpine's Access Controls Page (www.alpinedoors.com/accesscontrols.htm)*

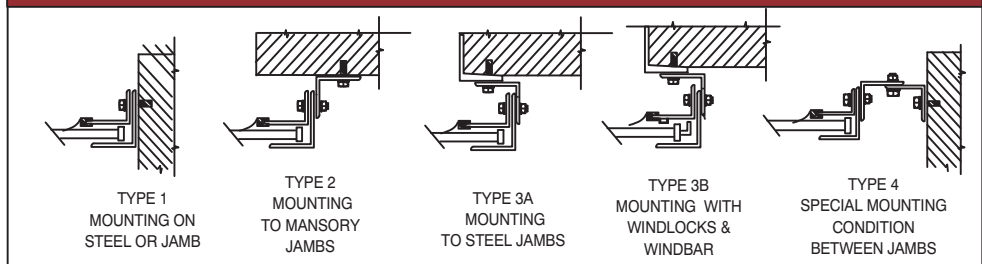
LOCKING
Optional cylinder locks. Also available with padlockable slide locks for latching and locking the door on the coil side of the bottom bar.

FINISHES (Optional)
Exo-Shield™: The Powder Coat Finish is available for all of Alpine's Products and are available in over 188 standard colors with the option for custom colors and environmental requirements. *Please See Alpine's Color Selection Page (www.alpinedoors.com/colors_standard.htm)*

REACTION FORCES ON GUIDE ANGLES



STANDARD GUIDE CONFIGURATIONS



FOR CFM # AND AIR LEAKAGE CALCULATIONS CALL YOUR ALPINE SALES REPRESENTATIVE