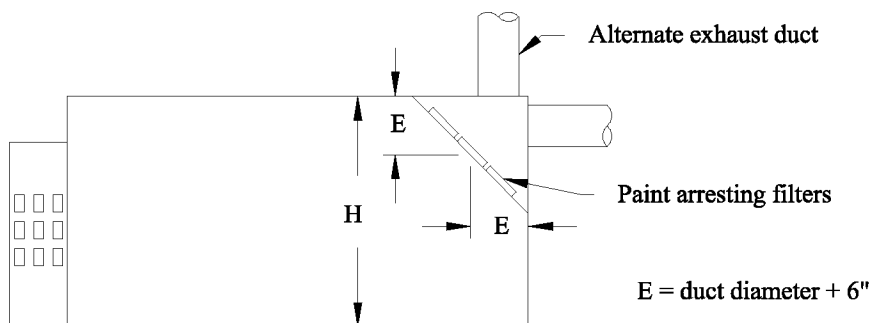


PLAN VIEW

$Q = 100 \text{ cfm/ft}^2$ of cross sectional area
 (when $W \times H$ is greater than 150 ft^2 , $Q = 50 \text{ cfm/ft}^2$)
 $h_e = 0.50 VP_d$ plus resistance of each filter bank when dirty
 Minimum duct velocity = 2000 fpm
 Paint arresting filters to be sized for 100-500 cfm/ft²
 of filter. Consult manufacturer for specific details.
 Consider interlock of exhaust fan with replacement
 air fan and compressed air to spray gun.



ELEVATION

Typical filter installation

Note: For airless electrostatic or HVLP spray painting use
 $Q = 60 \text{ cfm/ft}^2$ of cross-sectional area may be permitted

For construction and safety
 consult NFPA code (Reference 10.75.1).

Note: Operators must wear appropriate
 NIOSH certified respirator



TITLE

PAINT BOOTH
 VEHICLE SPRAY

FIGURE

VS-75-05

DATE

1-91