

#### SLOT TYPE

$Q = 100 \text{ cfm/ft}^2 \text{ door plus } 1/2 \text{ products of combustion}$

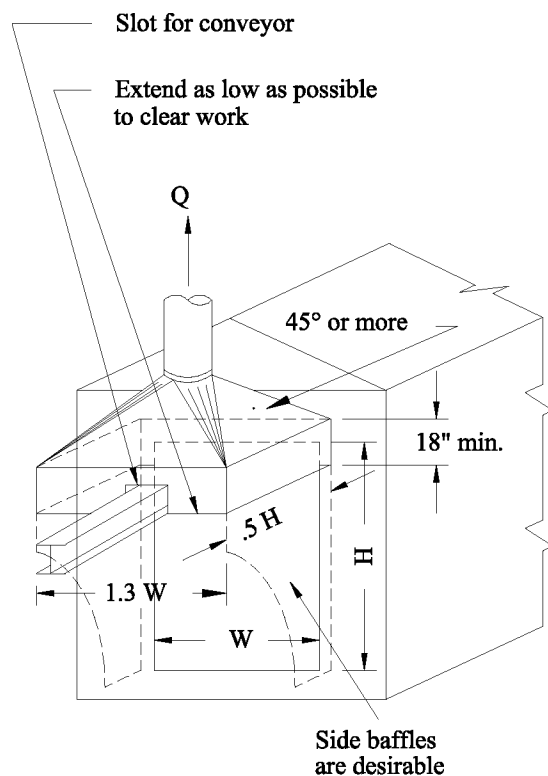
Minimum duct velocity = 2000 fpm

$h_e = 1.0 VP_s + 0.25 VP_d$

Size plenum for  
1000 fpm maximum

Slot on three sides with  
 $V_s = 2000 \text{ fpm}$ .

Locate on inside or outside of door.



#### CANOPY TYPE

$Q = 200 \text{ cfm/ft}^2 \text{ of hood face plus } 1/2 \text{ products of combustion}$

$h_e = 0.25 VP_d$

Duct velocity = 2000 fpm

#### Notes:

1. For dryers, include rate of water vapor liberated.
2. For flammable solvent drying refer to Chapter 2, "General Industrial Ventilation".
3. Hoods at each end of oven. Reduce size of doors as much as possible. Separate vent must be added for products of combustion.
4. For construction and safety, consult NFPA code (Reference 10.75.1).



TITLE

DRYING OVEN  
VENTILATION

FIGURE

VS-75-20

DATE

1-91