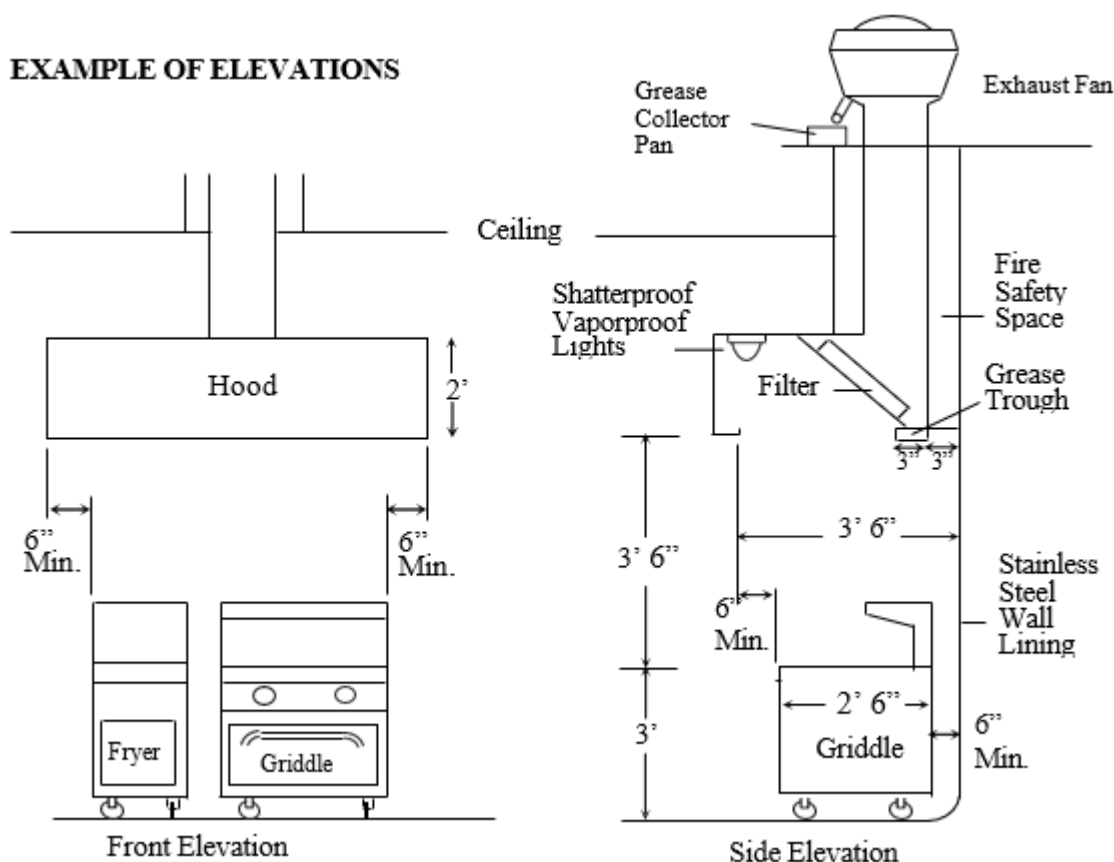


REQUIREMENTS FOR HOOD PLANS

- Provide 1 set of plans, ¼ inch per foot, containing:
 - HOOD WORKSHEET (on the back of this page)
 - Plan view:
 - Outline of exhaust hood over cooking equipment
 - Clearances around equipment & to walls
 - Exhaust & make-up air ducts with details to the fans on the roof
 - Exhaust & make-up air fans on roof
 - Make-up air diffusers on ceiling
 - Make & model numbers of equipment & fans
 - All dimensions of equipment & ducts
- Front & side elevations showing:
 - Cooking equipment
 - Exhaust Hood overhang
 - Duct elbows and fans
- Type & gauge of metal used in exhaust hood & ducts
- Specify if exhaust hood is Type I, Type II, UL Listed, non- canopy, compensating, etc.
- Name, address & phone number of facility & exhaust hood designer
- Submit one set of manufacturers' specification sheets for:
 - Cooking equipment, Exhaust & Make-Up Air fans with performance charts, UL Listing Card for hood system (if applicable)
- Plans must conform to California Mechanical Code
 - Air-Balance Schedule and Report

EXAMPLE OF ELEVATIONS



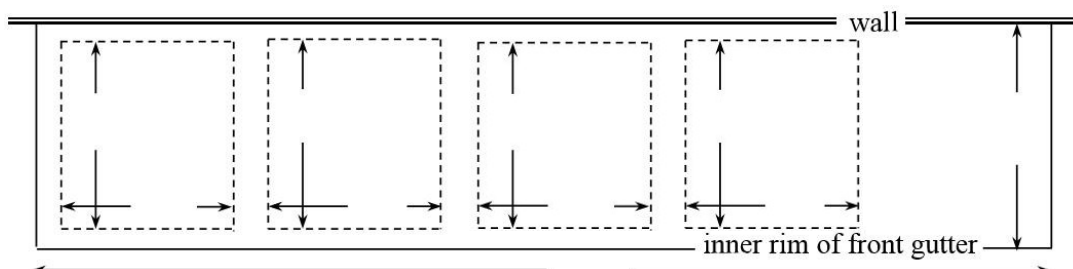
HOOD WORKSHEET

Facility Name: _____ Date: _____

Site Address: _____

Submitted by: _____ Phone Number: _____

Fill in cooking equipment & hood dimensions in feet in the plan view below:



COOKING EQUIPMENT & EXHAUST HOOD:

What type of Exhaust Hood? TYPE I ☐ TYPE II ☐ Compensating ☐ Non-Compensating ☐
 Are casters & quick disconnecting gas lines with restraining cables specified? YES ☐ NO ☐
 Gas line exit wall at least 24" above floor specified? YES ☐ NO ☐
 Exhaust Hood long enough to allow at least 6" from the inner rim on sides of equipment? YES ☐ NO ☐
 Exhaust Hood wide enough to allow at least 6" in front & back of equipment? YES ☐ NO ☐
 Canopy lip at least 6.5' above floor & no more than 4' above cooking surface? YES ☐ NO ☐
 Canopy free of exposed horizontal electrical & Ansul lines? YES ☐ NO ☐
 Are the Duct and Hood material in compliance with the California Mechanical Code? YES ☐ NO ☐

EXHAUST CALCULATIONS:

Backshelf ☐ Double Island Canopy ☐ Eyebrow ☐ Single Island ☐ Wall-mounted ☐

NON LISTED: Exhaust CFM = AIRFLOW X Length of Hood

Exhaust Hood Length _____ ft X Airflow _____ CFM/ft = _____ CFM

LISTED HOOD: Exhaust CFM = Listing Card at Rated Temperature X Length of Hood

Exhaust Hood Length _____ ft X Listing Card _____ CFM/ft = _____ CFM

FILTERS:

Size: Height _____ in. Width _____ in. Usable Grease Filter Area _____ n²
 _____ CFM ÷ 360 FPM = _____ ft² (filter area needed)
 Usable Grease Filter Area _____ in² ÷ 144 = _____ ft² (filter area per filter)
 _____ ft² (filter area needed) ÷ _____ ft² (filter area per filter) = _____ # of Filters Min _____ # of Filters Actual
 _____ CFM ÷ (_____ ft² (filter area per filter) X _____ # of Filters Actual) = _____ FPM

Ideal FPM = 300; should be 250-350 (Listed Hoods can be above or below) YES ☐ NO ☐ N/A ☐

Horizontal Slot Filters ideal FPM= 1,000; should be between 800-1,200 YES ☐ NO ☐ N/A ☐

Total width of filters must be less than the Exhaust Hood Length YES ☐ NO ☐ N/A ☐

DUCT:

Square: Length _____ in. X Width _____ in. = _____ n²
 Round: 3.14 X _____ radius² = _____ n²
 _____ in² ÷ 144 = _____ ft²
 _____ CFM ÷ _____ ft² = _____ FPM

Is the FPM between 500 – 2,500? YES ☐ NO ☐

Exhaust Hood greater than 12 feet long must have more than one outlet to main exhaust duct unless it is a Listed Hood.

Is there more than one outlet to the main exhaust duct? YES ☐ NO ☐ LISTED ☐ N/A ☐

STATIC PRESSURE AND EXHAUST FAN:

Number of elbows _____

Is there a cleanout at each elbow?

YES ☐ NO ☐ N/A ☐

Total System Static Pressure _____ "sp

Exhaust Fan: Manufacturer _____ Model Number _____ Horse Power _____

Exhaust Fan Static Pressure _____ "sp Exhaust Fan _____ CFM

Is the Exhaust Fan UL 762 specified for the Type I hood?

YES ☐ NO ☐ N/A ☐

Does the Exhaust Fan CFM pull at the Total System Static Pressure?

YES ☐ NO ☐

MAKE-UP AIR:

_____ CFM ÷ 2,000 CFM = _____ **Number of Diffusers**

Make-up Air Static Pressure _____ " sp

Make-up Air Fan: Manufacturer _____ Model Number _____ Horse Power _____

Is the Make-up Air 90-100% of exhaust CFM at the sp?

YES ☐ NO ☐

Is the Make-up Air intake on roof at least 10 feet from exhaust?

YES ☐ NO ☐

Are the diffusers on ceiling at least five feet from the edge of the exhaust hood?

YES ☐ NO ☐ N/A ☐

Are the Exhaust and Make-up Air fans interlocked?

YES ☐ NO ☐

Submitted by: _____ Phone Number: _____

Prepared by: _____ Phone Number: _____