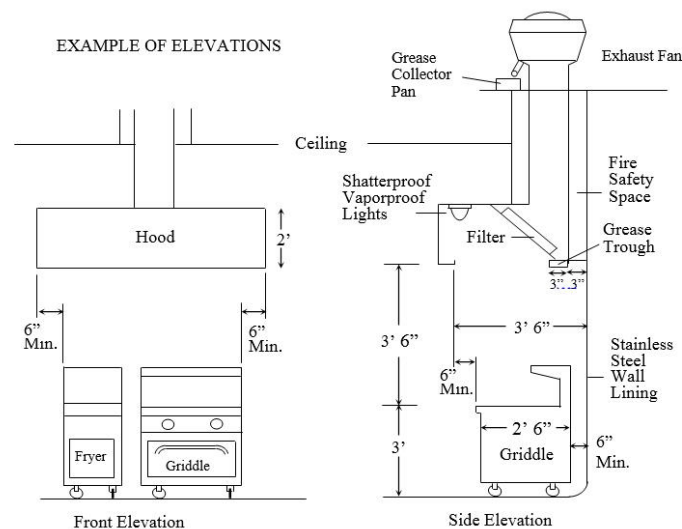


REQUIREMENTS FOR VENTILATION HOOD PLANS

Submit at least one set of plans. After review and revisions, three sets must be submitted for approval and stamping. Plans are to be drawn to ¼ inch per foot scale, containing but not limited to the following:

- HOOD WORKSHEET
- Plan view:
 - Outline of exhaust hood over cooking equipment
 - Clearances around equipment & to walls
 - Exhaust & make-up air fans on roof
 - Exhaust & make-up air ducts with details to the fans on the 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, Listed, non-canopy, compensating, etc.
- Name, address & phone number of facility & exhaust hood designer
- Submit one set of manufacturer's specification sheets for: Cooking Equipment, Exhaust & Make-Up Air Fans with performance charts, Listing Card
- Plans must conform to the California Mechanical Code
- Air Balance Schedule
- Submit an Air Balance Report before Final Inspection



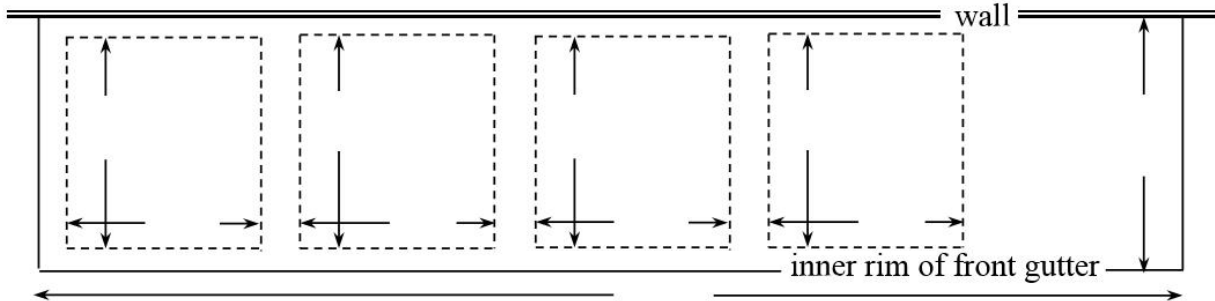
HOOD WORKSHEET

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 _____ in²

_____ 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. = _____ in²

Round: 3.14 X _____ radius² = _____ in²

_____ 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: _____