

**ENVIRONMENTAL HEALTH  
SAN MATEO COUNTY**



**San Mateo County Environmental Health Division  
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[www.smhealth.org/environ](http://www.smhealth.org/environ)**

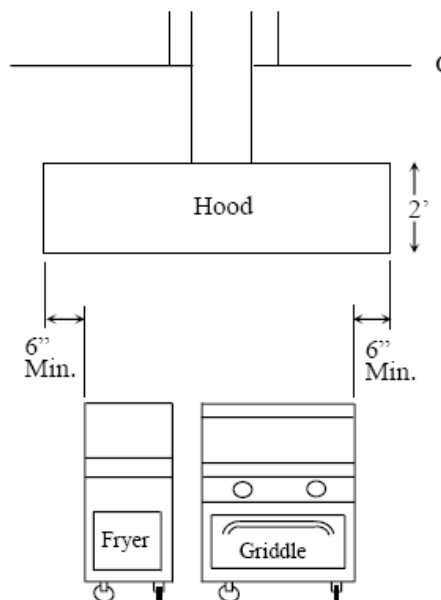
**Hood System Plan Review Requirements**

In addition to your plan submission the following will be necessary regarding hood systems:

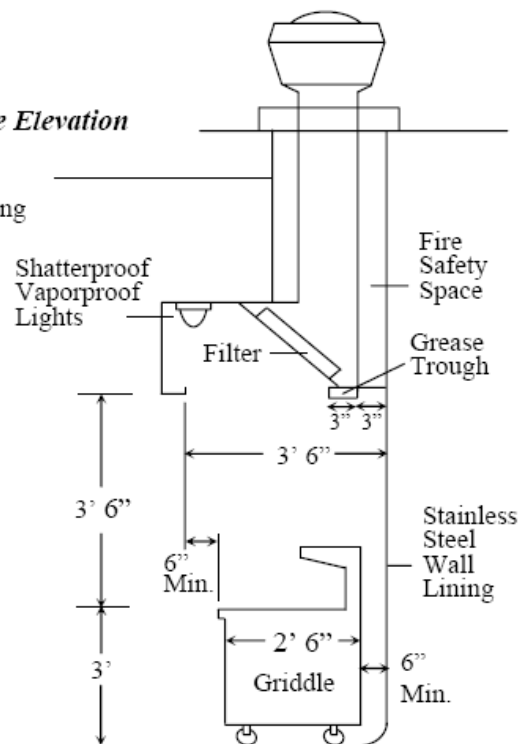
- |  |   |
|--|---|
| <input type="checkbox"/> Submit 3 set of plans   | <input type="checkbox"/> Type of gauge of metal used in hood ducts.                 |
| <input type="checkbox"/> Completed Hood Worksheet for each hood (attached).                                | <input type="checkbox"/> Hood specification, Type I or II and UL listing card, etc. |
| <input type="checkbox"/> Outline of hood over cooking equipment  | <input type="checkbox"/> Hood Designer information                                  |
| <input type="checkbox"/> Clearance around equipment and walls  | <input type="checkbox"/> Cooking equipment cutsheets (1 set of cutsheets).          |
| <input type="checkbox"/> Exhaust & make up air ducts   | <input type="checkbox"/> Make up air fan information                                |
| <input type="checkbox"/> Exhaust & make up air fans on roof tops   |   |
| <input type="checkbox"/> Front and side elevations of cooking Equipment, hood overhang, ducts elbows, fans |   |

**EXAMPLES OF ELEVATIONS**

*Front Elevation*



*Side Elevation*



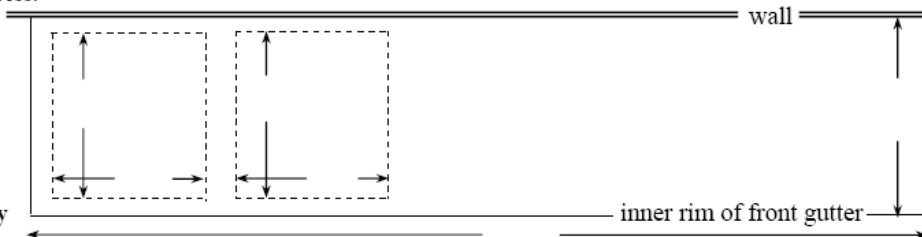
# HOOD WORKSHEET

Facility Name: \_\_\_\_\_

Address: \_\_\_\_\_

## COOKING EQUIPMENT & HOOD

- Fill in cooking equipment & hood dimensions in overhead view.
- Casters & quick disconnects **strongly** recommended! Specified?



- Hood long enough to allow  $\geq 6"$  on sides of equipment? yes\_\_ no\_\_
- Hood wide enough to allow  $\geq 6"$  in front & back of equipment? yes\_\_ no\_\_
- Canopy lip  $\geq 6.5'$  above floor &  $\leq 4'$  above cooking surface? yes\_\_ no\_\_
- Canopy free of exposed horizontal electrical & ansul lines? yes\_\_ no\_\_

## CFM

- What kind of hood? \_\_\_\_\_
- Hood opening: \_\_\_\_\_ ft x \_\_\_\_\_ ft. = \_\_\_\_\_ sq ft x \_\_\_\_\_ Q factor from UMC = \_\_\_\_\_ CFM  
(length)                      (width)
- Other formula?: \_\_\_\_\_ = \_\_\_\_\_ CFM

## FILTERS

- \_\_\_\_\_" H x \_\_\_\_\_" W (Filter Size) x \_\_\_\_\_ (# of Filters) x \_\_\_\_\_ sq ft (usable area per filter) = \_\_\_\_\_ sq ft (total filter area)
- \_\_\_\_\_ CFM + \_\_\_\_\_ sq ft (total filter area) = \_\_\_\_\_ fpm
- Baffle filter ideal fpm = 300; should be 250-350. Is it? yes\_\_ no\_\_
- Horizontal slot filter ideal fpm = 1000; should be 800-1200. Is it? yes\_\_ no\_\_ n.a.\_\_
- Fpm can be  $<$  or  $>$  above if this is a "LISTED" hood. Is it? yes\_\_ no\_\_
- Total of filter widths ( \_\_\_\_\_") must be  $<$  hood length. Is it? yes\_\_ no\_\_

## DUCT

- Duct dimensions: \_\_\_\_\_" x \_\_\_\_\_" = \_\_\_\_\_" + 144 = \_\_\_\_\_ sq ft
- Hood  $>12$  ft. long shows  $>1$  exhaust outlet to main duct? yes\_\_ no\_\_ n.a.\_\_
- \_\_\_\_\_ CFM + \_\_\_\_\_ sq ft = \_\_\_\_\_ fpm
- Fpm should  $\approx 1800$ ; must = 1500 - 2500 (Type I). Is it? yes\_\_ no\_\_ n.a.\_\_

## STATIC PRESSURE & EXHAUST FAN

- # of elbows = \_\_\_\_\_ Cleanout at each elbow? yes\_\_ no\_\_ n.a.\_\_
- Static Pressure  $\approx$  \_\_\_\_\_" SP
- Exhaust Fan: Make \_\_\_\_\_ Model # \_\_\_\_\_ H.P. \_\_\_\_\_
- Fan is UL for grease (Type I)? yes\_\_ no\_\_ Easily pulls CFM at SP? yes\_\_ no\_\_

## MAKE-UP AIR

- \_\_\_\_\_ CFM + 2000 CFM = \_\_\_\_\_ Next higher whole number = \_\_\_\_\_ Diffusers required  
(Exhaust)                      (Max. per diffuser)
- Make-up air Static Pressure  $\approx$  \_\_\_\_\_" SP
- Make-up air fan: Make \_\_\_\_\_ Model # \_\_\_\_\_ H.P. \_\_\_\_\_
- Supplies 95-100% of exhaust CFM at SP? yes\_\_ no\_\_
- Make-up air on roof  $\geq 10$  ft. from exhaust? yes\_\_ no\_\_
- Diffusers on ceiling  $\geq 10$  ft. from hood? yes\_\_ no\_\_
- Exhaust & make-up air interlocked? yes\_\_ no\_\_

Prepared

by: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Name Phone # Company Date