SOLANO COUNTY **Department of Resource Management**

Environmental Health Services Division 675 Texas Street, Suite 5500 Fairfield, CA 94533 www.solanocounty.com

Telephone No: (707) 784-6765

Fax: (707) 784-4805

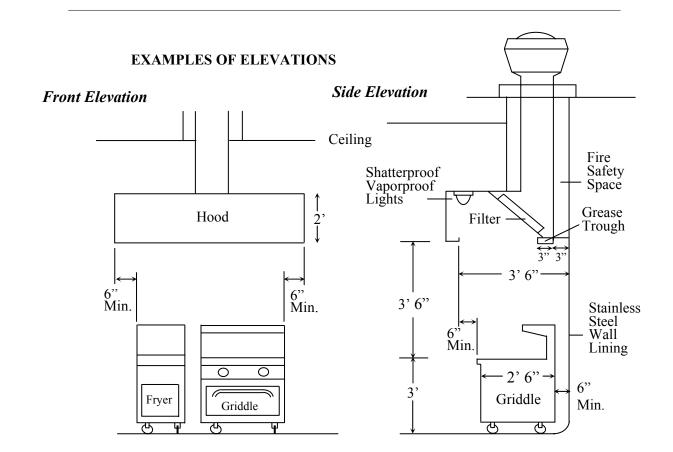
Birgitta Corsello, Director Cliff Covey, Asst Director

Requirements for Hood Plan Submittals

Provide 2 sets of plans including:

- 1) Completed HOOD WORKSHEET for <u>each</u> hood (attached)
- 2) Plan view:
- a) Outline of hood over cooking equipment
- b) Clearances around equipment & to walls
- c) Exhaust & make-up air ducts
- d) Exhaust & make-up air fans on roof
- e) Make-up air diffusers on ceiling
- f) Make & model numbers of equipment & fans
- g) All dimensions of equipment & ducts
- 3) Front & side elevations showing:
- a) Cooking equipment
- b) Hood overhang
- c) Duct elbows and fans

- 4) Type & gauge of metal used in hood & ducts
- 5) Specify if hood is Type I, Type II, UL Listed, noncanopy, compensating, etc.
- 6) Name, address & phone number of facility & hood designer
- 7) Submit one set of cut-sheets (manufacturers' specification sheets) for:
 - a) Cooking equipment
 - b) Exhaust fan
 - c) Make-up air fan
 - d) UL Listing Card for hood system



HOOD WORKSHEET

Facility Name: Address: **COOKING EQUIPMENT** & HOOD • Fill in cooking equipment & hood dimensions in overhead view. • Casters & quick — inner rim of front gutter — 🔻 disconnects strongly recommended! Specified? yes__ no__ • Hood long enough to allow ≥ 6 " on sides of equipment? yes__ no__ • Hood wide enough to allow ≥ 6 " in front & back of equipment? yes__ no__ • Canopy $lip \ge 6.5'$ above floor & $\le 4'$ above cooking surface? yes no • Canopy free of exposed horizontal electrical & ansul lines? yes no **CFM** What kind of hood? ______ What kind of hood?
Hood opening: _____ft x _____ft. = ____sq ft x _____Q factor from UMC (length) (width) • Other formula?: _____ CFM **FILTERS** • 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 " = " \div 144 = sq ft • Hood >12 ft. long shows >1 exhaust outlet to main duct? yes__ no__ n.a.__ • $\underline{\qquad}$ CFM \div $\underline{\qquad}$ sq ft = $\underline{\qquad}$ fpm • Fpm should ≈ 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 ≈ ___ "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 $CFM \div 2000 CFM =$ Next higher whole number = Diffusers required (Exhaust) (Max. per diffuser) • Make-up air Static Pressure ≈ _ "SP Model # ____ H.P.___ • Make-up air fan: Make • Supplies 95-100% of exhaust CFM at SP? yes no • Make-up air on roof ≥ 10 ft. from exhaust? yes no • Diffusers on ceiling ≥ 10 ft. from hood? yes no • Exhaust & make-up air interlocked? yes no Prepared by:

Phone #

Company

Name