COUNTY OF MARIN

COMMUNITY DEVELOPMENT AGENCY

ENVIRONMENTAL HEALTH SERVICES DIVISION

ATTACHMENT VI

HOOD EXHAUST DATA SHEET

NOTE: This data sheet must be completed by a Mechanical Engineer or Mechanical Contractor ONLY.

ESTABLISHMENT NAME: _____

JOB SITE ADDRESS _____ CITY: _____

MECHANICAL ENGINEER OR MECHANICAL CONTRACTOR: _____

PHONE: (____) _____ STATE LICENSE NO: _____

E-MAIL: _____ FAX: (____) _____

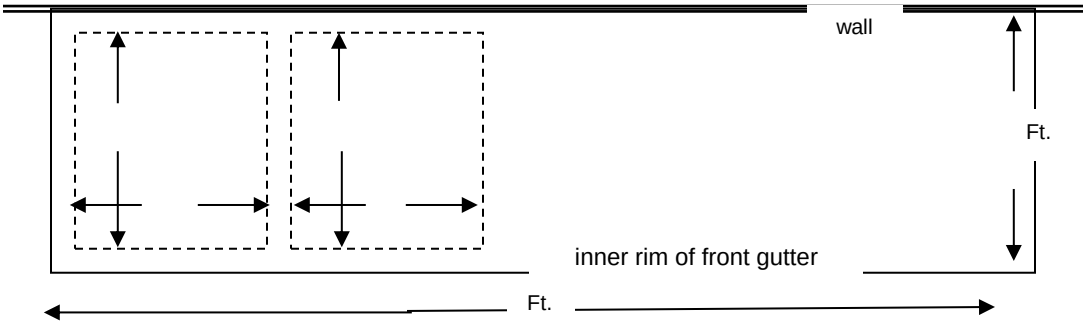
MAILING ADDRESS: _____

CITY: _____ ZIP: _____

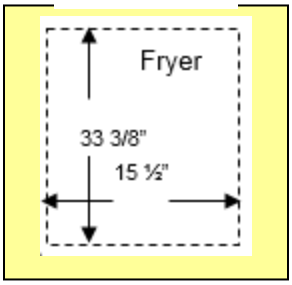
COOKING EQUIPMENT & HOOD

Fill in cooking equipment, its dimensions & hood dimensions in feet in overhead view.

IMPORTANT: You need to verify dimensions with equipment specification.



Example:



Do not make reference to any plan pages in lieu of filling in all of the required data directly.

- Fill in cooking equipment & hood dimensions in overhead view.
- Casters & quick 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 ≥ 6.5' above floor & ≤ 4' above cooking surface? yes__no__
- Canopy free of exposed horizontal electrical & ansul lines? yes__no__

HOOD (Check applicable categories)

- What kind of hood? Type I ____ Type II ____ Type of metal_____
- UL ____ UMC ____ Canopy____Compensating____Non-Canopy____Other _____
- **Manufacturer and model of UL listed hood:**_____
  (This submission MUST provide a copy of the UL Placard)
- Exhaust Hood size:_____ft. x _____ft = _____ total sq.ft.
- Exhaust Duct size: _____in. x _____in. ÷ 144 = _____ sq.ft.

Canopy Type Hoods
NEW 2016 CMC
*CFM/Linear foot based off duty level of cooking equipment.
* CMC 508.10.1.1
see page 94-95

CFM

- Custom Hood (DMC)
  - Hood Length _____ x CFM/Linear ft._____= _____Total CFM

    Total CFM _____÷ Sq.ft. of duct _____= _____Total

FPM

- UL Hood

  Hood Length _____ x CFM/Linear ft._____= _____Total CFM

  Total CFM _____ ÷ Sq.ft. of duct _____= _____Total FPM
- UMC Alternate Formula (100 PD)

  100 x hood perimeter _____ x D_____=_____Total CFM

  Total CFM _____ ÷ Sq.ft. of duct _____= _____Total FPM

FPM should ~1800; must =500-2500 (Type I)

FILTERS (Submit specification sheets for filters)

Manufacturer: _____Model: _____

Type: _____

Manufacturer's rating: _____ FPM to _____ FPM or, _____ CFM to _____CFM

Overall dimensions of filters: _____in. x ____in. (h x w)

_____in. x ____in. (h x w)

Functional area of filters*: ____in. x ____in ÷ 144 = _____ sq.ft.

____in. x ____in ÷ 144 = _____ sq.ft.

***Use manufacturer's specification if available, otherwise subtract frame borders from overall dimensions.**

Functional surface area per filter:

_____sq.ft. x number of filters: _____ = filter area: _____ sq.ft.

_____sq.ft. x number of filters: _____ = filter area: _____ sq.ft.

Total filter area: _____ sq.ft.

FILTERS (CONT'D)

Velocity at filters as designed:

CFM _____ ÷ total filter area _____ = _____ FPM

Spacers:

Number of spacers: _____ Size of spacers: _____ in. x _____in.

- 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__
- Fpm can be < or > above if this is a "LISTED" hood. Is it? yes__no__
- Total of filter widths + spacers (____) must be (≤) hood length. Is it? yes__no__

STATIC PRESSURE & EXHAUST FAN (Submit specification sheets for fan)

- # of elbows = _____ Cleanout at each elbow? yes__no__
- 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 (Submit specifications for fan)

- _____CFM ÷ 2000 CFM = _____ Diffusers required (round up to next higher whole #)
  (Exhaust) (Max. per diffuser)
- Make-up air Static Pressure ≈ _____ SP
- Make-up air fan: Make:_____

  Model #: _____ H.P. _____
- Supplies 95-100% of exhaust CFM at SP? yes__no__
- Make-up air on roof ≥ 10 ft. from exhaust? yes__no__
- Diffusers on ceiling ≥ 10ft. from hood? yes__no__
- Exhaust & make-up air interlocked? yes__no__

Distance between MUA diffusers and hood: _____ _____ _____ _____
(5 ft. min. is recommended)

Distance between MUA fan and exhaust fan: _____ (10 ft. min. is required)