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.

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 & ansl 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.

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:

\[
\text{CFM} \div \text{total filter area} = \text{FPM}
\]

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 #)
- 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)