ATTACHMENT VI
HOOD EXHAUST DATA SHEET

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

DATE: ____________________________

ESTABLISHMENT NAME: ____________________________

JOB SITE ADDRESS ______________________________________

CITY: __________________________________________________ ZIP: ______

MECHANICAL ENGINEER
OR MECHANICAL CONTRACTOR: ____________________________

PHONE: (____) STATE LICENSE NO: ____________________________

E-MAIL: __________________________________________________ FAX: (____)

ADDRESS: __________________________________________________

CITY: __________________________________________________ ZIP: ______

COOKING EQUIPMENT & HOOD

In the diagram below fill in cooking equipment, its dimensions & hood dimensions in feet in overhead view.

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 & anssl 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: ________________________________
  (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 (UMC)
  Total sq.ft. of Hood _______ x Q _______ (UMC)= _______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 =1500-2500 (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
  (Exhaust) (Max. per diffuser) 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)