

Invitation to Bid

The Hickman County Finance Office is accepting sealed bids for a Commercial Kitchen Ventilation Hood and Fire Suppression System including installation.

Specifications for the Commercial Kitchen Ventilation Hood and Fire Suppression System, including installation can be found online at:

www.hickmank12.org/request-for-proposal.

If sub-contractors are used, sub-contractor information must be included in bid. Bids shall be good from January 22, 2018 – June 30, 2018. Questions should be directed to Don Qualls – CTE Director, at 931-729-3391 Ext. 2223.

Sealed bids must be mailed or delivered to the Hickman County Finance Office, 114 North Central Avenue, Suite 203, Centerville, TN 37033 and clearly marked on the outside of the envelope "Culinary Arts – Vent Hood & Fire Suppression System". Bids will be opened on Monday, January 22, 2018 at 10:00 a.m. in the Finance Office. The Hickman County Board of Education reserves the right to accept or reject any and all bids or parts of bids and to waive any informalities that would prevent the acceptance of a better bid.

Bid Specifications for Commercial Kitchen Ventilation Hood and Fire Suppression System including installation:

Hood and Fire Suppression System can be bid together and/or separately. Bid can be awarded together or separately.

The minimum specifications are provided on the following pages. If a specific company product is used in the specifications, bidder may substitute similar type products.

Hood

12ft 0" Long Exhaust-Only Wall Canopy Hood with Front Perforated Supply Plenum with Built-in 3" Back Standoff

- 430 SS Where Exposed
- Fire Cabinet on the Right Side 12.00" Width x 54.00" Length x 24.00" Height (Additional charges may apply for cabinet if not sold with fire system)
- FILTER - 20" tall x 16" (19.625" by 15.625") wide Stainless Steel Captrate Solo filter with hook, ETL Listed. Particulate capture efficiency: 85% efficient at 9 microns, 76% efficient at 5 microns.
- L55 Series Canopy Light Fixture - High Temp Assembly, Includes Clear Thermal and Shock Resistant Globe (L55 Fixture), Bulbs By Others
- EXHAUST RISER - Factory installed 18" Diameter X 4" Height
- SUPPLY RISER - 12"x 28" Supply Riser with Volume Dampers
- 1/2 Pint Grease Cup New Style, Flanged Slotted
- Electrical Package Installation in Utility Cabinet by Plant.

Fire System

3 to 6 gallon Fire System in Utility Cabinet (includes pre-piped hood(s) with detection, tank(s), release mechanism, microswitches and pull station).
Includes piping for hood: 1.

Fan #1 - Exhaust Fan

High Pressure Belt Drive Centrifugal Upblast Exhaust Fan with 24" wheel
Exhaust Fan handles 3000 CFM @ -1.150" wc ESP, Fan runs at 826 RPM.
Exhaust Motor: 1.500 HP, 1 Phs, 208 V, 60Hz, 7.5 FLA, ODP (Open Drip Proof)

- Gasketing - Thermeez Woven Ceramic Tape - 1/4" x 1" with adhesive back - Max Temp 1500°F. To be applied between fan base and grease duct. Installed under fan base 1/2" from the inside edge of the base to match up with the curb top flanges.
- Grease Cup for kitchen-duty centrifugal exhaust fans, Box Dimensions 17-1/8 L X 5-1/16 W X 3-3/4 H (18 GA.) (Includes Down Spout)
- Vented Base for Curb
- Hinged Base for Curb. Heavy Duty Hinge attached to curb. Used on Fans with wheels 24-30 inches.
- KEF1 Curb CRB31.5x26E On Fan #1

Fan #2 Supply Fan

Untempered Supply Unit with 12" Blower in Size #2 Housing
Supply Fan handles 2400 CFM @ 0.500" wc ESP, Fan runs at 657 RPM.
Supply Motor: 0.750 HP, 1 Phase, 208 V, 60Hz, 3.7 FLA, ODP (Open Drip Proof)
Down Discharge - Air Flow Right -> Left

- Motorized Back Draft Damper 22.75" X 24" for Size 2 Untempered Units w/Extended Shaft, Standard Galvanized Construction, 3/4" Rear Flange, LF120S Actuator Included
- Sloped Filtered Intake for Size #2 Modular Untempered Supply Unit. 26.813" Wide X 53.625" Long X 31.313" High. Includes 2" MV EZ Kleen Metal Mesh Filters.
- Curb Corner Fully Welded. Base flange corners fully welded by factory.
- KSF1 Curb CRB31X37X20INS Insulated On Fan #2

Electrical System #1

220V 1 Phase w/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation. Includes 1 Duct Thermostat kit.

- Thermistor CABLE - 18/2 AWG GREEN WHITE, plenum rated. USED for thermistor duct stat. Per Foot Price.

- Digital Prewire Lighting Relay Kit. Includes hood lighting relay & terminal blocks. Allows for up to 1400W of lighting each.