

ELECTRIC HEATER SCHEDULE

Table with columns: MARK, TYPE, FAN (CFM, SP, HP, ELECT.), HEATING (BTUH, GPM, PD, KW, FLA, ELECT.), REMARKS. Includes rows for EH-1 and EH-2.

FAN SCHEDULE

Table with columns: MARK, TYPE, CFM, E.S.P. (IN.), AIR TEMP DEG., SONES, RPM, TIP SPEED, O.V., DRIVE, HP (MAX. WATTS), ELECTRICAL, SWITCH W/LIGHTS, WALL SWITCH, THERMOSTAT CONTROLLED, 24 HR/7 DAY TIMECLOCK, CARBON MONOXIDE SENSOR, CONTINUOUS OPERATION, CONTROL CIRCUIT DISHWASHER, MODEL NUMBER.

- NOTES: 1. MODEL NUMBERS ARE BASED ON COOK FANS. SELECTION BASED ON ELEVATION = 1,188 FT. 2. SEE SPECIFICATIONS FOR FAN TYPES AND ACCESSORIES. 3. ALL SWITCHES, INTERLOCKS, RELAYS, TRANSFORMERS, TIMECLOCKS, ETC., SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL PLANS.

GRILLES, REGISTERS, & DIFFUSERS SCHEDULE

Table with columns: MARK, USE, LOCATION, FINISH, MATERIAL, MOUNTING, NECK SIZE, MODEL NO., ACCESSORIES, REMARKS. Includes rows A through E.

- NOTES: 1. MODEL NUMBERS ARE BASED ON TITUS. 2. CALLOUTS ON DRAWINGS INDICATE NECK SIZE, CFM, AND THROW PATTERN. 3. M.C. SHALL FABRICATE NECESSARY RECTANGULAR TO ROUND ADAPTERS AT ALL GRILLE CONNECTIONS. 4. ALL SURFACES VISIBLE THROUGH FACE OF GRILLE/DIFFUSER SHALL BE PAINTED FLAT BLACK.

PUMP SCHEDULE

Table with columns: MARK, SERVICE, GPM, HEAD (FT.), EFF., MOTOR (HP (W), RPM, ELECT.), MODEL NUMBER, REMARKS. Includes rows RCP-1 and RCP-2.

- NOTES: 1. MODEL NUMBERS ARE BASED ON BELL & GOSSETT. 2. ALL DOMESTIC HOT WATER PUMPS SHALL BE BRONZE CONSTRUCTION.

SEWAGE EJECTOR (ALTERNATE #6)

Table with columns: MARK, TYPE, GPM, HD. FT., MOTOR (HP, RPM, VOLTAGE), BASIN (DIA., DEPTH, INLET), REMARKS.

- NOTES: 1. BASED ON ZOLLER SUBMERSIBLE SEWAGE EJECTORS: MODEL J840 PUMP - DUPLEX ARRANGEMENT WITH 10-0443 DUPLEX CONTROL PANEL, THREE (3) 10-0744 FLOAT SWITCHES AND CHECK VALVE. 2. PROVIDE BASIN WITH ANTI-FLOTATION FLANGE, OR INCREASE DEPTH OF BASIN BY 1'-0" AND FILL BOTTOM 1'-0" OF BASIN WITH CONCRETE.

PROJECT MECHANICAL DESIGN CRITERIA

Table with sections: PROJECT CITY (OXFORD, KANSAS), PROJECT ELEVATION (1,188 FT. ABOVE SEA LEVEL), GOVERNING CODES, BUILDING CODE, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, ENERGY CODE, FIRE CODE, COOLING WEATHER DESIGN DATA, DESIGN WEATHER BASIS, DESIGN WET BULB, MEAN COINC. DRY BULB, HEATING WEATHER DESIGN DATA, DESIGN WEATHER BASIS, DESIGN WET BULB, MEAN COINC. DRY BULB, ENERGY DATA.

MECHANICAL GENERAL NOTES

- 1. PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. PRIOR TO SUBMITTING BID CONTRACTOR SHALL VISIT JOB SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF PROJECT. 2. COORDINATE INSTALLATION OF MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE NEAT AND ORDERLY INSTALLATION. 3. FIELD MEASURE FINAL DUCTWORK LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED. 4. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS. 5. ALL DIFFUSERS ARE 4-WAY BLOW UNLESS INDICATED OTHERWISE ON THE DRAWINGS. 6. COORDINATE ACCESS TO EQUIPMENT, VALVES, AND DAMPERS INSTALLED ABOVE 'INACCESSIBLE' CEILINGS AND IN CHASES, ETC. WITH GENERAL CONTRACTOR. 7. MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST/VENT TERMINATIONS. 8. A MAXIMUM LENGTH OF 5'-0" FLEX DUCT MAY BE USED AT EACH RUNOUT TO SUPPLY DIFFUSERS. 9. RECTANGULAR & ROUND DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. 10. DO NOT ROUTE DUCTWORK ABOVE ELECTRICAL PANELS OR ELECTRICAL GEAR.

PLUMBING GENERAL NOTES

- 1. PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. PRIOR TO SUBMITTING BID CONTRACTOR SHALL VISIT JOB SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF PROJECT. 2. COORDINATE INSTALLATION OF PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE NEAT AND ORDERLY INSTALLATION. 3. FIELD MEASURE FINAL PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED. 4. COORDINATE ROUTING OF PLUMBING AND FIRE PROTECTION PIPING WITH DUCTWORK, LIGHTS, ARCHITECTURAL CEILING AND STRUCTURAL ELEMENTS. 5. NO PIPING SHALL PENETRATE STRUCTURAL MEMBERS. 6. WALL CLEANOUT AND ACCESS DOORS SHALL MATCH ADJACENT SURFACES. 7. MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST/VENT TERMINATIONS. 8. DO NOT ROUTE PIPING ABOVE ELECTRICAL PANELS OR ELECTRICAL GEAR. 9. ALL WALL CAPS SHALL BE PAINTED TO MATCH WALL. 10. PROVIDE WOO AT BASE OF ALL WASTE STACKS INCLUDING LAVATORIES AND SINKS. 11. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS FOR ROUTING AND CONNECTION OF SANITARY SEWER / WATER / GAS SERVICES. 12. REFER TO PLUMBING FIXTURE SCHEDULE FOR PIPING RUNOUT SIZES TO INDIVIDUAL PLUMBING FIXTURES. 13. CONTRACTOR SHALL VERIFY ALL CONNECTION REQUIREMENTS TO EQUIPMENT PROVIDED BY OTHERS WITH ACTUAL EQUIPMENT PROVIDED ON SITE. 14. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY TO DETERMINE IF EXISTING GAS METER & SERVICE LINE HAS CAPACITY FOR NEW ADDITIONAL LOAD = (390 MBH). PROVIDE NEW METER, REGULATOR, ETC. AS REQUIRED.

ROOFTOP UNIT SCHEDULE

Table with columns: MARK, MODEL NO., CFM, MIN. O.A. (CFM), FAN (ESP, HP, FLA), HEATING (MBH INPUT, OUTPUT), COOLING (ENTERING AIR, COMP. (EA), COND. (EA)), ELECTRICAL (VOLTAGE, MCA/MOCP).

- NOTES: 1. MODEL NUMBERS ARE BASED ON TRANE VOYAGER AND PRECEDENT PACKAGED GAS/ELECTRIC ROOFTOP UNITS. 2. SCHEDULED COOLING CAPACITIES ARE GROSS COOLING CAPACITIES BASED ON SCHEDULED ENTERING AIR AND 100.9 DEG. AMBIENT TEMPERATURES. 3. SCHEDULED HEATING CAPACITIES ARE FOR HIGH AND LOW STAGE. 4. REFRIGERANT TYPE IS R-410A. 5. RTU-10,11,12 TO BE PART OF ALTERNATE #7

WATER HEATER SCHEDULE

Table with columns: MARK, TYPE, STOR. CAP. GALLONS, WATER RECOVERY G.P.H. (G.P.M.), DEG. RISE, GAS (INPUT MBH, VENT DIA., INTAKE DIA., BURNER (HP, AMPS), NO. OF ELEMENTS), ELECTRIC (ELEMENT KW, VOLTAGE), ET-1, MODEL.

- NOTES: 1. WATER HEATER SELECTION BASED ON AO SMITH PROLINE ELECTRIC WATER HEATERS. 2. SET DISCHARGE TEMPERATURE ON WATER HEATER TO 140° UPON INSTALLATION. 3. HEATING ELEMENTS TO BE NON-SIMULTANEOUS OPERATION.

MECHANICAL LEGEND

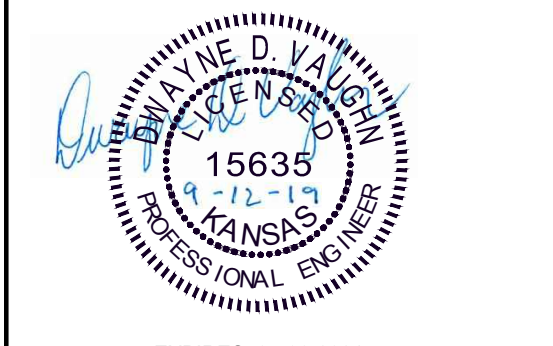
Large table defining symbols and abbreviations for HVAC, PIPING, PLUMBING EQUIP., and other mechanical components.

PLUMBING FIXTURE SCHEDULE

Table with columns: P.NO., FIXTURE, MAN., MODEL, SIZE, MATERIAL, MOUNTING, MOUNTING HEIGHTS, NO. OF FAUCET HOLE, ADA COMPLIANT, CARRIER, FAUCET/ VALVE MAN., FAUCET/ VALVE MODEL, STRAINER, SOAP DISP., ABOVE GND., BELOW GND., WASTE, VENT, WATER, HOT, COLD, NOTES.

SCHEDULE LEGEND table with columns: MATERIAL, MOUNTING, MOUNTING HEIGHTS, STRAINER TYPE.

- NOTES: 1. PROVIDE WITH TRIP LEVER ON WIDE SIDE OF FIXTURE. 2. PROVIDE WITH WHITE OPEN-FRONT SEAT, LESS COVER. 3. ELECTRONIC SENSOR OPERATED FLUSH VALVES SHALL BE BATTERY POWERED. 4. PROVIDE AND INSTALL TRUEBRO MODEL 103 INSULATION, WITH ONE P-TRAP COVER, TWO ANGLE VALVE AND SUPPLY COVERS, AND ONE OFFSET TAILPIECE WHEEL CHAIR COVER. 5. SUPPLY WITH RIGID SPOUT. 6. FURNISH FIXTURE WITH OFF-CENTERED REAR DRAIN CONNECTION. 7. PROVIDE LEAD-FREE POWERS LFE480 MIXING VALVE, (OR EQUAL) TO MAINTAIN LAVATORY TEMPERATURE AT 110°F. 8. PROVIDE MOP HANGER, WALL GUARD, AND HOSE & HOSE BRACKET, AND STAINLESS STEEL FLATHEAD STRAINER.



HANNEY & ASSOCIATES, ARCHITECTS
1726 South Hillside, Wichita, Kansas, 67211
Phone (316) 683-8965
Fax (316) 684-1441
www.haarchitects.com

2019 OXFORD ELEMENTARY SCHOOL UNIFIED SCHOOL DISTRICT 358 319 East College Street, Oxford, Kansas 67119

TABLE: DRAWINGS ISSUED. Columns: NO., DATE, ITEM ISSUED. Rows include Addendum #3, issued for bids, reviews, and revisions.

COMPUTER DRAWING

DATE: APRIL, 2019
DRAWN BY: CHECKED BY:

SHEET MP1.1 OF 1 SHEETS