

Table with 2 columns: Revisions, PROJECT DATE, Drawn By, Checked By, Sheet No.

GENERAL NOTES

- GENERAL CONSTRUCTION
1. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR...
2. THE GENERAL CONTRACTOR SHALL PROVIDE ALL ROOF OPENINGS...
3. HYAC SYSTEMS & UNITS
4. THE MECHANICAL CONTRACTOR SHALL PROVIDE AN OPERATION AND MAINTENANCE MANUAL...
5. THE MECHANICAL CONTRACTOR OF THE TENANT SHALL INSTALL EQUIPMENT...
6. ALL EXTERNAL DUCT WORK
7. DUCTWORK LAYOUTS ARE ACTUAL...
8. DUCTWORK SHALL HAVE RIGHT-OF-WAY OVER ALL PLUMBING PIPES...
9. THE MECHANICAL CONTRACTOR SHALL INSTALL G.C. PROVIDED RTU DUCTWORK SYSTEM...
10. INSTALL TURNING VANES IN SUPPLY DUCTWORK...
11. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS...
12. ALL RTU'S METAL SUPPLY AND RETURN AIR DUCTS...
13. APPLY INSULATION ON RIGID METAL DUCTWORK...
14. THE MECHANICAL CONTRACTOR SHALL BALANCE BUILDING HVAC AIR FLOW...
15. ALL DIFFUSERS SHALL BE INSULATED WITH FIBERGLASS INSULATION...

VENTILATION SCHEDULE

Table with 7 columns: AREA, UNIT, VENT./EXHAUST REQ'D, MIN. REQUIRED VENT. (CFM), TOTAL REQ. VENT. (CFM), PROVIDED VENT. (CFM), PROVIDED EXHAUST (CFM)

AIR BALANCE SCHEDULE

Table with 7 columns: UNIT, SUPPLY, RETURN, OUTSIDE, MAKE-UP, EXHAUST, SERVING

PACKAGE AIR CONDITIONING UNIT SCHEDULE

Table with 13 columns: MARK, LENNOX MODEL NO., SERVING, CFM, ESP. SP. (IN. W.C.), TOT. SP. (IN. W.C.), FAN RPM, MOTOR HP, HEATING (MBH) INPUT/OUTPUT, NOMINAL COOLING (TONS), EBR, FLA, MCA, MOPD, VOLTAGE, OPER. WEIGHT, REMARKS

- REMARKS:
1) 9. C. SHALL ENSURE THAT THE OUTSIDE AIR INTAKE OF THE RTU'S ARE A MIN. OF 10 FEET AWAY FROM ANY EXHAUST FAN DISCHARGE OR PLUMBING VENTS.
2) WEIGHTS INCLUDE BASE UNIT WEIGHT PLUS ACCESSORIES AND INCLUDING 14" HIGH ROOF CURB.
3) START UP CHECK TEST AND SYSTEM AIR BALANCE TO BE PERFORMED BY THE UNINSTALLING CONTRACTOR.
4) M.C. SHALL PROVIDE AND INSTALL WALL SENSORS, DUCT SENSORS, AND AUDIBLE/VISIBLE ALARM DEVICES.

REQUIRED PACKAGE AIR CONDITIONING UNIT ACCESSORIES

Table with 13 columns: MARK, ROOF CURB, ECONOMIZER, MOTORIZED DAMPER, MANUAL DAMPER, GRAVITY EXH. (BAROMETRIC), POWER EXHAUST, THERMOSTAT, TIME OVERRIDE BUTTON, HUMIDITY SENSOR, FACTORY INST. DISCONNECT, FACTORY INST. W/PIPING REC., THROUGH THE BASE, FRESH AIR TEMP. KIT, LOW AMBIENT COOLING, REHEAT COIL, FLUE EXTENSION KIT, REMARKS

- REMARKS:
1) LENNOX IS THE APPROVED MANUFACTURER AND ANY SUBSTITUTION MUST BE APPROVED BY OWNER PRIOR TO INSTALLATION.
2) RTU'S SHALL BE PROVIDED WITH TWO (2) SETS OF 2" DISPOSABLE FILTERS...
3) EXTERNAL STATIC PRESSURE INCLUDES SUPPLY AND RETURN AIR DUCTWORK...
4) INTERGRATED ECONOMIZER IS REQUIRED FOR RTUS...
5) PROVIDE UNIT WITH COMPATIBLE LENNOX THERMOSTAT...
6) PROVIDE EACH RTU WITH FACTORY OPTION CONDENSATE DRAIN PAN OVERFLOW SWITCH...
7) PROVIDE EACH RTU WITH FACTORY MOUNTED RETURN DUCT MOUNTED SMOKE DETECTOR...
8) A LENNOX EQUIPMENT OPERATION AND CONTROLS OPERATION CHECK (EOC) IS REQUIRED ON THIS PROJECT.

FAN SCHEDULE

Table with 13 columns: SYMBOL, MFR, TAG, MODEL, CFM, RPM, ECT. SP, SERVING, FLA, HP, VOLT, PHASE, WGBT, REMARKS

KITCHEN EXHAUST HOODS - PROVIDED BY OWNER (UNO)

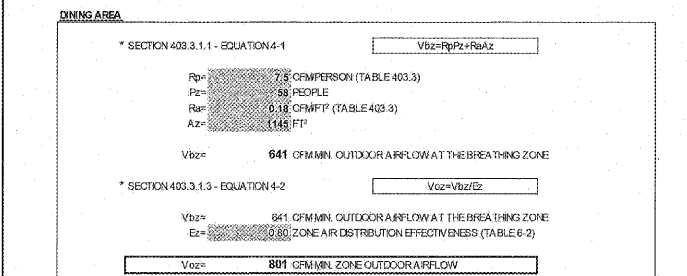
Table with 8 columns: SYMBOL, MFR, SERVING, MODEL NO., SIZE, EXH. CFM, EXH. DUCT SIZE, EXH. VEL. FPM, FLAMEBARRER FILTERS, MAKE-UP AIR CFM, REMARKS

GRILLE AND DIFFUSER SCHEDULE

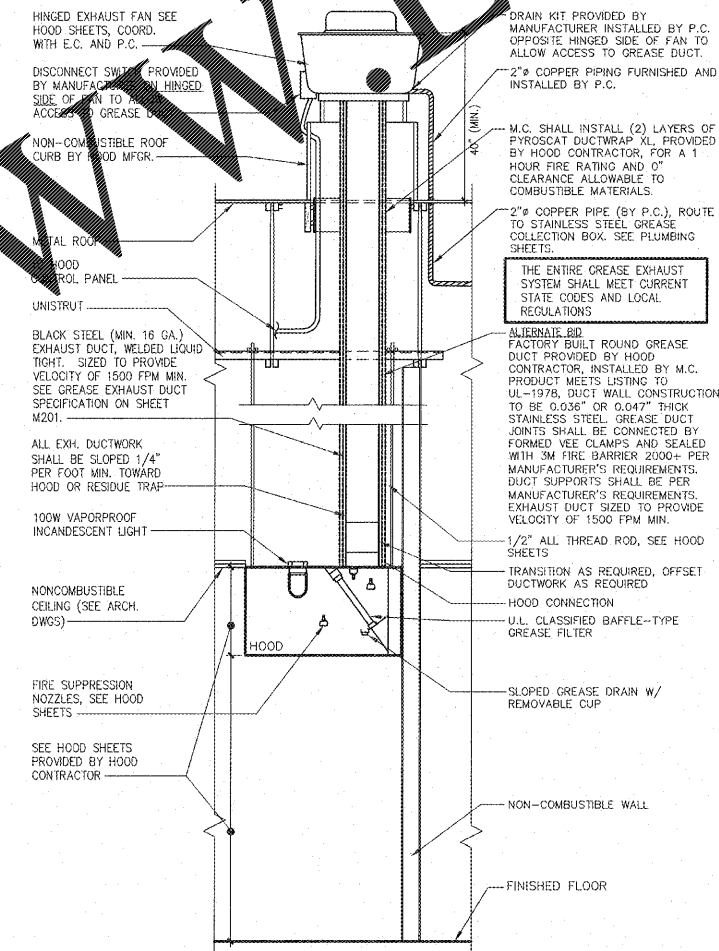
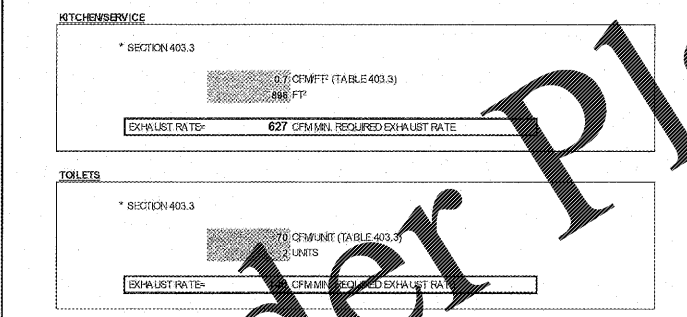
Table with 10 columns: MARK, MANUFACTURER, MODEL#, MODEL, NECK, TYPE, STYLE, MATERIAL, OBD, FINISH, NOTES

- NOTES:
1) CONTRACTOR SHALL PROVIDE SQUARE TO ROUND TRANSITION FROM SUPPLY DUCT SHOWN ON PLAN TO DIFFUSER AS REQUIRED.
2) OPPOSED BLADE DAMPERS SHALL BE PROVIDED IN THE FACE OF ALL DIFFUSERS THAT DO NOT HAVE A TAP AT THE TAKE-OFF.
3) SLOT DIFFUSERS TO BE TITUS FL-30, 2 SLOT, 3" SLOT WIDTH WITH 12" INLETS.
4) BLACK FINISH IN THE DINING AREAS, WHITE FINISH IN THE KITCHEN, TO MATCH ARCHITECTURAL PLANS.
5) PROVIDE TITUS FRP-30 INSULATED PLENUM BOX FOR LINEAR SLOT DIFFUSERS.
6) "E" DIFFUSER SHALL BE PROVIDED BY AND INSTALLED IN THE DUCT BY THE DUCT MANUFACTURER.

NORTH CAROLINA MECHANICAL CODE - 2012 VENTILATION



NORTH CAROLINA MECHANICAL CODE - 2012 EXHAUST CALCULATIONS



8 TYP. GREASE HOOD AND DUCT DETAIL (TYPE I) SCALE: NONE

- NOTE:
1) REQUIREMENTS SHOWN ARE FOR A TYPE "I" HOOD IN A SINGLE STORY BUILDING WITH NON-RATED ROOF ASSEMBLY.
2) HOOD SHALL BE LISTED BY NATIONAL AGENCY, SEE HOOD SHEETS.
3) FACTORY BUILT CLEAN-OUTS SHALL BE PROVIDED IN GREASE EXHAUST DUCT AT ALL CHANGES IN DIRECTION...
4) G.C. SHALL PROVIDE FIRE RATED ACCESS PANEL AT THE DUCT ENCLOSURE TO ACCESS DUCT CLEANOUTS...
5) M.C. SHALL VERIFY WITH LOCAL CODE OFFICES ON ACCEPTABILITY OF PARTICULAR DUCT-WRAP MODEL AND MANUFACTURER.
6) MAINTAIN 18" CLEAR FROM HOOD (INCLUDING TOP) TO COMBUSTIBLE MATERIALS UNLESS APPROVED SHIELDING IS APPLIED TO REDUCE CLEARANCE.

ANY DISCREPANCIES OR FOUND ON THE PLANS, THE CONTRACTOR SHALL STOP AND INSTALL THE MORE CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.

UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

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