



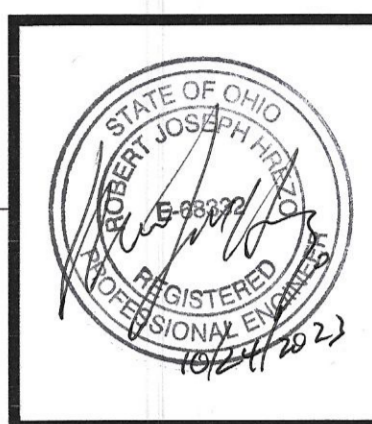
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RELEASE

EXHAUST SYSTEMS 10.24.23

Table with 2 columns: MARK, MODEL, COOLING (MBH), SUPPLY CFM, OUTSIDE AIR CFM, EXT. S.P., HEATING (NAT. GAS) INPUT MBH, OUTPUT MBH, ELECTRIC MCA, MOCP, VOLTS, PHASE, NOTES

TENANT RENOVATION FOR OHIO IMPLANT AND DENTURES
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PROJECT: CLIENT:

DATE: 10.10.23
DRAWN BY: MJF
CHECKED BY: PDH
APPROVED BY: [Signature]
PROJECT #: MF10090(M03)

M-1
PARTIAL FLR. PLAN - MECHANICAL

HVAC LEGEND

- EXISTING DUCTWORK
8" NEW ROUND DUCTWORK AND SIZE
8" NEW CLASS 1 FLEXIBLE AIR DUCT AND SIZE
EXISTING/RELOCATED 2' X 2' CEILING DIFFUSER
EXISTING/RELOCATED 2' X 2' RETURN GRILLE
2' X 2' EGGRATE RETURN GRILLE
EXISTING SUPPLY REGISTER - CEILING
EXISTING RETURN GRILLE - SIDEWALL
EXISTING CEILING DIFFUSER AND CFM
EXISTING SUPPLY REGISTER AND CFM
EXISTING RETURN GRILLE
NEW RETURN GRILLE AND DUCT SIZE
EXISTING SMOKE DETECTOR
HEATING & COOLING THERMOSTAT
UNDERCUT DOOR

NOTE: MAINTAIN MINIMUM CLEARANCE DISTANCE OF 10'-0" HORIZONTALLY OR 3'-0" BELOW CONTAMINANT SOURCE PER SECTION 401.4.1, 2017 OBC-MC FOR INTAKE AND EXHAUST TERMINATIONS. (TYPICAL OF ALL)

GENERAL NOTES

- 1. FURNISH ALL LABOR, MATERIAL AND APPURTENANCES NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM AS SHOWN OR REQUIRED.
2. ALL WORK SHALL CONFORM TO APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
3. WORKMANSHIP SHALL REPRESENT THE HIGHEST STANDARD OF THE INDUSTRY.
4. PERFORM ALL TESTS, ADJUSTMENTS, ETC. AS REQUIRED BY EQUIPMENT MANUFACTURERS OR AUTHORITIES HAVING JURISDICTION. BALANCE SUPPLY, RETURN AND OUTDOOR AIR QUANTITIES AS REQUIRED.
5. SHEETMETAL DUCTWORK SHALL BE GALVANIZED STEEL FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA AND CHAPTER 6, 2017 OBC-MC. ROUND OR RECTANGULAR DUCTWORK EQUAL TO SIZES SHOWN MAY BE INSTALLED AT THE CONTRACTOR'S DISCRETION.
6. FOR PURPOSES OF CLEARNESS AND LEGIBILITY, DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC, ALTHOUGH SIZE AND LOCATION OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE.
7. HVAC CONTRACTOR SHALL COORDINATE THERMOSTAT LOCATIONS WITH ARCHITECT/OWNER BEFORE ROUGH-IN.
8. ALL NEW MATERIALS, METHODS AND EQUIPMENT SHALL BE IN STRICT ACCORDANCE WITH THE BUILDING STANDARDS AS APPROVED BY THE OWNER.
9. HVAC CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR COORDINATION OF DETAILS AS MAY EFFECT HIS OWN WORK.
10. ALL SUPPLY AND RETURN AIR DUCTWORK IN UNCONDITIONED AREAS SHALL BE INTERNALLY AND/OR EXTERNALLY INSULATED WITH NECESSARY MATERIAL TO ACHIEVE THE MINIMUM REQUIRED INSULATION VALUE FOR THE APPLICATION. FIBERGLASS DUCT WRAP, BUBBLE WRAP AND/OR LINER IS APPROVED. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
11. REFRIGERANT SUCTION & LIQUID LINE PIPING, PISTON & CONTROLS IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS & INSTALLATION INSTRUCTIONS.
12. BEFORE STARTING WORK THIS CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS AS MAY EFFECT HIS OWN WORK. NO EXTRAS WILL BE ALLOWED FOR EXISTING CONDITIONS. THIS CONTRACTOR SHALL CONFIRM EXISTING EQUIPMENT & CONDITIONS, EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS TO SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF THE HVAC SYSTEM, MATERIALS, AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID INTERFERENCES AND CONFRONTATIONS.
13. THIS CONTRACTOR IS RESPONSIBLE FOR ALL MODIFICATIONS IN DUCT LAYOUT, STRUCTURE AND FRAMING LOCATIONS, COORDINATION WITH ELECTRIC AND PLUMBING SERVICES. PROVIDE CONTROLS AND ALL NECESSARY APPURTENANCES FOR MAKING A COMPLETE WORKING SYSTEM WHEN EQUIPMENT OTHER THAN BASE BID EQUIPMENT IS PROVIDED.

VENTILATION AIR SCHEDULE

Table with 15 columns: MARK, ROOM NAME, ROOM NUMBER, OCCUPANCY CLASSIFICATION, AREA SQ FT, OCCUPANT DENSITY PEOPLE/SQ FT, REQUIRED OCCUPANTS, CFM PER OCCUPANT, CFM PER SQ. FT., EXHAUST CFM PER FIXTURE, REQUIRED OA CFM, ACTUAL OA CFM, ACTUAL SA CFM, REQUIRED EA CFM, ACTUAL EA CFM, NOTES

NOTES: 1. OUTDOOR VENTILATION AIR BASED ON SECTION 403.2 & TABLE 403.3, 2017 OBC-MC.

EXISTING ROOFTOP UNIT SCHEDULE

Table with 11 columns: MARK, MODEL, COOLING (MBH) TOTAL, SENSIBLE, SUPPLY CFM, OUTSIDE AIR CFM, EXT. S.P., HEATING (NAT. GAS) INPUT MBH, OUTPUT MBH, ELECTRIC MCA, MOCP, VOLTS, PHASE, NOTES

NOTES: 1. SEVEN DAY PROGRAMMABLE THERMOSTAT.

EXHAUST FAN SCHEDULE

Table with 8 columns: MARK, MODEL, CFM, EXT. S.P., AMPS, VOLTS, PHASE, NOTES

- 1. CEILING FAN COMPLETE WITH GRILLE & BACKDRAFT DAMPER.
2. IN-LINE FAN COMPLETE WITH BACKDRAFT DAMPER INSTALLED ABOVE CEILING.
3. FAN & DUCTWORK FOR CONDENSATION REMOVAL ONLY.
4. OPERATED BY REVERSE ACTING THERMOSTAT.
5. MANUAL SPEED CONTROLLER.
6. ROOF MOUNTED FAN WITH CURB & BACK-DRAFT DAMPER.

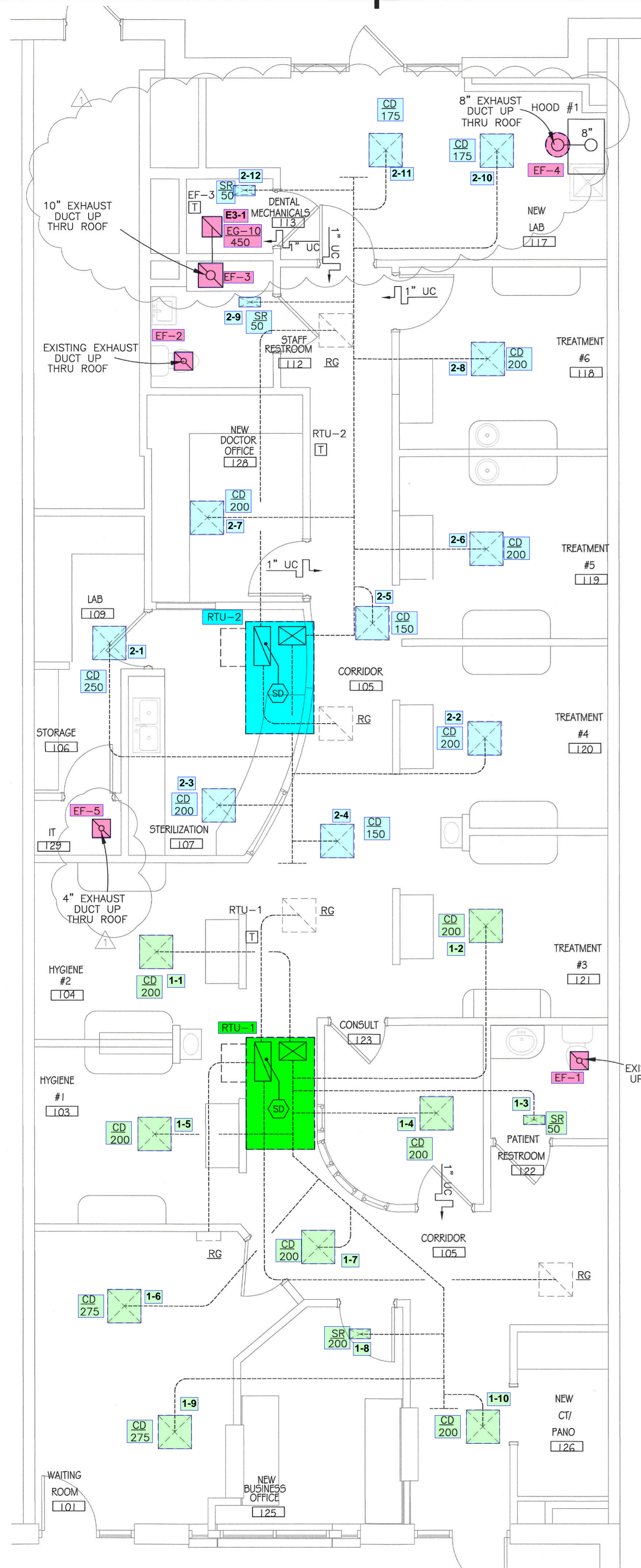
CONDENSATE HOOD SCHEDULE

Table with 9 columns: HOOD NO., MODEL, LENGTH, EXHAUST CFM, RISER DIAMETER, S.P., HOOD CONSTRUCTION, FILTER TYPE, NOTES

- 1. HOOD FOR CONDENSATION REMOVAL ONLY.
2. HOOD INSTALLED OVER STERILIZATION, WATER BATH MACHINE.

SMOKE DETECTORS

A SMOKE DETECTOR APPROVED FOR USE IN AIR DISTRIBUTION SYSTEMS SHALL BE LOCATED IN THE RETURN AIR UPSTREAM FROM FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS. SUPERVISION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 606.4.1 OF THE 2017 OBC-MC.



PARTIAL FLOOR PLAN - HVAC

SCALE: 1/4" = 1'-0"