

1 PARTIAL FIRST FLOOR MECHANICAL PLAN
SCALE: 1/4" = 1' - 0"

DRAWING SYMBOLS	
(E)	EXISTING MECHANICAL WORK TO REMAIN
(R)	EXISTING MECHANICAL WORK TO BE DEMOLISHED AND REMOVED
(RE)	EXISTING MECHANICAL WORK TO BE RELOCATED AS SHOWN
(N)	NEW MECHANICAL WORK
(-)	EXISTING MECHANICAL WORK TO REMAIN
(- - -)	EXISTING MECHANICAL WORK TO BE DEMOLISHED AND REMOVED
(- - -)	NEW MECHANICAL WORK
(X)	POINT OF DEMOLITION, CUT AND CAP BACK TO POINT INDICATED ON PLANS
(C)	POINT OF CONNECTION, EXTEND AND CONNECT TO EXISTING WHERE INDICATED

DEDUCT ALTERNATE NOTE

CONTRACTOR SHALL PROVIDE DEDUCT ALTERNATE PRICING TO PROVIDE A 3-TON GAS-FIRED ROOFTOP UNIT WITH NO DEHUMIDIFICATION/HOT GAS REHEAT ACCESSORY UNIT SHALL HAVE DUAL ENTHALPY ECONOMIZER, FACTORY 7-DAY PROGRAMMABLE T-STAT & NON-FUSED DISCONNECT. PROVIDE SUBMITTAL TO ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO ORDERING AND INSTALLING.

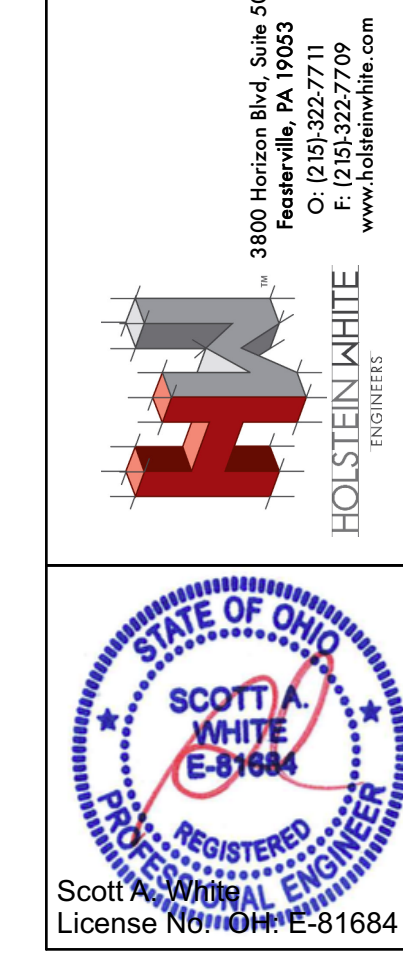
- SHEET NOTES**
- REFER TO "EXISTING EQUIPMENT NOTES" #1, #2, & #3 ON THIS SHEET FOR FURTHER INFORMATION.
 - COORDINATE FINAL LOCATION OF ALL ROOFTOP MECHANICAL EQUIPMENT WITH ARCHITECT AND STRUCTURAL ENGINEER. MECHANICAL EQUIPMENT ON ROOF SHALL BE MOUNTED ON 10" MINIMUM SET BACK REQUIREMENT OF ROOFTOP EQUIPMENT AS REQUIRED BY CODE. IF CODE REQUIRED SET BACK CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE SAFETY RAILINGS AS REQUIRED BY CODE. ALL SAFETY RAILING COSTS TO BE BILLED AGAINST PROJECT ALLOWANCE, IF REQUIRED.
 - COORDINATE SUPPLY AIR AND RETURN AIR DUCT DROPS WITH EXISTING STRUCTURE AND ROOFING CONTRACTOR. COORDINATE ALL WORK WITH ARCHITECT PRIOR TO INSTALLATION.
 - REFER TO THE FOLLOWING NOTES FOR EACH AHU:
 - RUN REFRIGERANT PIPING FROM INDOOR AIR HANDLING UNIT TO CORRESPONDING OUTDOOR HEAT EXCHANGER UNIT. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL RUNS WITH ARCHITECT.
 - CONDENSATE FROM AHU TO DRAIN INDIRECTLY TO FLOOR SINK (P-5) COORDINATE FINAL LOCATION IN FIELD WITH OWNER. PROVIDE LITTLE GIANT CONDENSATE PUMP IF NECESSARY. COORDINATE WITH ELECTRICAL CONTRACTOR.
 - PROVIDE EMERGENCY DRAIN PAN UNDER AIR HANDLING UNIT. INSTALL WATER MONITORING DEPTH FROM ALL DRAIN PAN. THE WATER MONITORING DEVICE SHALL BE INTERLOCKED WITH THE UNIT AND SHALL TRIP THE AHU IF WATER IS SENSED IN THE PAN.
 - COORDINATE THE FINAL LOCATION OF AHU WITH ARCHITECT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL REQUIRED MAINTENANCE CLEARANCES.

- REFER TO THE FOLLOWING NOTES FOR EACH HP:
 - COORDINATE THE FINAL LOCATION OF HP WITH ARCHITECT AND OWNER. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL REQUIRED MAINTENANCE CLEARANCES.
 - ROUTE REFRIGERANT PIPING TO CORRESPONDING AHU. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL RUNS WITH ARCHITECT AND TENANT FLOORS ABOVE.
 - CONDENSER SHALL BE MOUNTED ON PATE EQUIPMENT SUPPORT RAILS (MAN. ES-2) INSULATED 18" HIGH W/ 2x6 WOOD NAILER.
- 4" DRYER VENT FROM DRYER TO TERMINATE WITH MANUFACTURER'S RECOMMENDED ROOF CAP. COORDINATE EXACT LOCATION OF DRYER VENT CONNECTION WITH ARCHITECTURAL PLANS. SIZE AND INSTALL RIGID DUCT DRYER VENT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. COORDINATE FINAL ROUTING OF EXHAUST DUCTWORK WITH ALL TRADES PRIOR TO INSTALLATION. PROVIDE FLUSH MOUNTED DRYER BOX AS MANUFACTURED BY "GUY GREY" (MODEL NO. 13846). PROVIDE BOOSTER PAN IF VENT LENGTH EXCEEDS MANUFACTURER'S RECOMMENDATIONS. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
- 6" Ø EXHAUST UP. TERMINATE WITH GOOSENECK. CONTRACTOR SHALL ENSURE THAT ALL EXHAUST PENETRATIONS ARE INSTALLED A MINIMUM OF 10" FROM ANY EXISTING OA INTAKES.
- INDICATES LOCATION OF NEW SEVEN-DAY ELECTRONIC PROGRAMMABLE THERMOSTAT WITH OCCUPIED AND UNOCCUPIED CAPABILITIES FOR INDICATED ROOFTOP UNIT/AIR HANDLING UNIT. PROVIDE NON-TAMPER TRANSPARENT ENCLOSURE FOR THERMOSTAT. COORDINATE MOUNTING AND FINAL LOCATION OF THE THERMOSTAT WITH ARCHITECT/TENANT PRIOR TO INSTALLATION.
- INDICATES PROPOSED LOCATION OF RELOCATED THERMOSTAT. CONTRACTOR SHALL ENSURE THERMOSTAT HAS OCCUPIED AND UNOCCUPIED CAPABILITIES FOR INDICATED ROOFTOP UNIT. PROVIDE TRANSPARENT, NON-TAMPER ENCLOSURE FOR THERMOSTAT. COORDINATE MOUNTING HEIGHT WITH ARCHITECT AND TENANT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL INSPECT THE EXISTING RETURN AIR DUCT MOUNTED SMOKE DETECTOR FOR PROPER OPERATION. IF FOUND INOPERABLE OR NON-EXISTENT, CONTRACTOR SHALL PROVIDE AND INSTALL NEW DUCT MOUNTED SMOKE DETECTOR IN THE RETURN AIR PATH.

- GENERAL NOTES**
- ALL BRANCH DUCTWORK SHALL HAVE BALANCING DAMPERS.
 - COORDINATE ALL AIR DEVICES WITH LIGHTING AND REFLECTED CEILING PLANS.
 - IT IS THE INTENT TO MAINTAIN THE CEILING HEIGHTS AS SHOWN ON THE REFLECTED CEILING PLANS.
 - DUCTWORK SHOULD BE INSTALLED AS TIGHT AS POSSIBLE TO THE STRUCTURAL FRAMING AND DECK.
 - MECHANICAL CONTRACTOR SHALL FURNISH ALL REQUIRED CEILING ACCESS PANELS AND WALL OPENINGS TO SERVICE ALL MECHANICAL EQUIPMENT. INSTALL BY G.C. COORDINATED ALL LOCATIONS AND SIZES WITH ARCHITECT PRIOR TO INSTALLATION.
 - ALL TRANSVERSE JOINTS AND LONGITUDINAL SEAMS SHALL BE SEALED WITH FIBER LOW-VOC MASTIC. ALL DUCTWORK SHALL BE IN ACCORDANCE WITH SMACNA'S SEAL CLASS "B".
 - ALL DUCTWORK SIZES SHOWN ON PLAN ARE CLEAR I.D. DIMENSIONS. ALL SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED.
 - CONTRACTOR SHALL COORDINATE ALL REQUIRED ROOF CUTTING AND PATCHING WITH CURRENT ROOFING CONTRACTOR TO MAINTAIN ROOF WARRANTY. COORDINATE ALL WORK WITH LANDLORD PRIOR TO CONSTRUCTION.
 - ALL INTAKE AIR OPENINGS SHALL BE A MINIMUM OF 10" FROM ALL EXHAUST, SANITARY VENT AND FLUE LOCATIONS.

- EXISTING EQUIPMENT NOTES**
- ALL EXISTING HVAC EQUIPMENT TO BE REUSED SHALL BE REFURBISHED WHERE APPLICABLE AND HAVE FULL MAINTENANCE ROUTINES PERFORMED INCLUDING LUBRICATION, ADJUSTMENT OR REPLACEMENT OF PARTS. REPLACEMENT OF VALVES AND GAUGES AND CHECKING FOR PROPER OPERATION. ALL MINOR REPAIRS SHALL BE INCLUDED AS PART OF THIS CONTRACT. SHOULD MAJOR WORK ON THE EQUIPMENT BE REQUIRED, THE CONTRACTOR SHALL PROVIDE A WRITTEN REPORT TO OWNER AND ENGINEER, INDICATING THE NATURE OF THE WORK ALONG WITH A COST ESTIMATE TO PERFORM SAID REPAIRS.
 - ALL EXISTING CONTROLS TO BE REUSED SHALL BE REFURBISHED WHERE APPLICABLE AND HAVE FULL MAINTENANCE ROUTINES PERFORMED INCLUDING CALIBRATION, ADJUSTMENT AND VERIFICATION OF SEQUENCE OF OPERATION. ALL MINOR REPAIRS SHALL BE INCLUDED AS PART OF THIS CONTRACT. SHOULD CONTROLS NEED REPLACEMENT OR OTHER SIGNIFICANT REPAIRS THE CONTRACTOR SHALL PROVIDE A WRITTEN REPORT TO OWNER AND ENGINEER, INDICATING THE NATURE OF THE WORK ALONG WITH A COST ESTIMATE TO PERFORM SAID REPAIRS.
 - CONTRACTOR SHALL CARRY A CONTINGENCY IN THEIR PRICE TO PERFORM THESE REPAIRS. IF REPAIR WORK IS APPROVED, THE CONTRACTOR SHALL DRAW AGAINST CONTINGENCY. IF REPAIR WORK IS NOT APPROVED/REQUIRED, CONTINGENCY SHALL BE CREDITED BACK TO OWNER.

- EXISTING CONDITIONS NOTES**
- ALL THE EXISTING DUCTWORK SIZES, LOCATIONS, EXISTING MECHANICAL EQUIPMENT LOCATIONS, TAGS, EXISTING ARCHITECTURAL PLANS, ETC., HAVE BEEN DOCUMENTED BASED OFF PHOTOGRAPHS AND SURVEY DATA PROVIDED BY RVA ARCHITECTS FROM OCTOBER 18, 2023.
 - ALTHOUGH THE EXISTING CONDITIONS HAVE BEEN MODIFIED PER OBSERVATIONS IN THE FIELD, THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM FINAL FIELD VERIFICATION OF ALL OF THE EXISTING CONDITIONS PRIOR TO COMMENCING WORK.



PARTIAL FIRST FLOOR MECHANICAL PLAN
NOVACARE CLINIC - RELOCATION
2004-2260 MAMMISBURG-CENTERVILLE RD
UNIT 26
DAYTON, OH 45469

Project No.:	23-257
Start Date:	10/17/23
Designed By:	RY
Drawn By:	RY
Checked By:	SW
Issues:	
10/27/23	BID/PERMIT
02/06/24	FIELD REVISIONS
02/09/24	OWNER REVISIONS

Sheet No.
M-1.0