

**GENERAL NOTE:**  
ALL EXISTING PIPING, DUCTWORK, SPRINKLERS, CONDUIT, LIGHTING OR OTHER CONSTRUCTION SHALL BE RELOCATED AS NECESSARY FOR ALL DEMOLITION AND INSTALLATION WORK.

**KEY NOTES**

- CAP EXISTING DUCT.
- PROVIDE BACKDRAFT DAMPER IN EXHAUST DUCT TO STAFF TOILET.
- CONNECT RELOCATED TERMINAL TO NEW DUCTWORK AND PIPING.
- EXISTING FAN COIL UNIT TO REMAIN. PIPING TO THESE UNITS SHALL NOT BE PERMANENTLY INTERRUPTED.

**GENERAL NOTES**

- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, ALL OTHER TRADES, AND IN ACCORDANCE WITH ALL STATE, LOCAL AND NATIONAL CODES, AS WELL AS WITH ALL FEDERAL HEALTHCARE REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS AND LICENSES FOR THE COMPLETE INSTALLATION OF THEIR WORK.
- CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO SUBMITTING BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS.
- BEFORE ANY WORK IS STARTED, THE CONTRACTOR SHALL MAKE A THOROUGH SURVEY WITH THE OWNER IN WHICH ALTERATIONS OCCUR AND AREAS WHICH ARE REMOVED SHALL BE SHOWN BY BOTH OWNER AND CONTRACTOR, AND SHALL BE PROVIDED TO THE CONTRACTING OFFICE.
- ALL NEW HVAC EQUIPMENT AND DDC CONTROLS SHALL BE TIED BACK INTO EXISTING CONTROL SYSTEM AT NEAREST EHNET HUB.
- ALL EXISTING SPRINKLER HEADS, PIPES, ALARMS, ETC. ARE TO REMAIN INTACT FOR USE AFTER RENOVATION. SPRINKLER SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT PERIOD OF WORK. CONTRACTOR SHALL ENSURE THAT NO DAMAGE IS DONE TO EXISTING SPRINKLER SYSTEM - I.E. PROTECTIVE CASES SHALL BE INSTALLED OVER SPRINKLER HEADS DURING RENOVATION, ETC.
- CARE SHOULD BE TAKEN BY ALL CONTRACTORS TO AVOID DAMAGING OR DISTURBING EXISTING CONSTRUCTION WHICH IS TO REMAIN. CONTRACTORS SHALL BE RESPONSIBLE FOR MAKING ANY REPAIRS NECESSARY TO RECTIFY DAMAGED AND RESTORE EXISTING CONSTRUCTION TO UNHARMED STATE UPON COMPLETION OF WORK AT NO EXPENSE TO OWNER.
- ALL NEW SUPPLY AIR GRILLES, REGISTERS, DIFFUSERS, ETC. AND ALL RETURN AIR GRILLES, REGISTERS, ETC. SHALL HAVE FACTORY-STANDARD WHITE ENAMEL FINISH.
- ALL ELBOWS IN DUCTWORK SHALL BE LONG RADIUS. RECTANGULAR ELBOWS SHALL BE SUPPLIED WITH TURNING VANES.
- ALL PIPING EXPOSED TO THE OUTDOORS SHALL BE WRAPPED IN HEAT TAPE.
- UNRAVIL DAMPERS TO BE PROVIDED AT SUPPLY, EXHAUST AND RETURN BRANCH DUCTWORK (TYPICAL). DAMPERS SHALL BE LOCATED AS FAR AWAY FROM AIR TERMINAL DEVICE (VAV, REGISTER, DIFFUSER, ETC.) AS POSSIBLE, BUT MUST BE LOCATED IN THE SAME ROOM AS THAT DEVICE.
- ALL NEW DEVICES, EQUIPMENT, CONTROLS, ETC. (INCLUDING BUT NOT LIMITED TO: VAV'S, COILS, GRILLES, REGISTERS, AND DIFFUSERS, HOT WATER PIPING, ETC.) SHALL BE TESTED AND BALANCED AS PART OF THIS WORK. EXISTING EQUIPMENT TO REMAIN SHALL BE TESTED AND BALANCED AS NOTED ON DRAWINGS.
- ALL EQUIPMENT, PIPING, THERMOMETERS, GAGES, VALVES, ETC. THAT ARE LOCATED OUTSIDE SHALL BE OF OUTDOOR-USE QUALITY. THE WATER ENVIRONMENT IN IOWA CITY IS COLD, ICE, AND THE PRESENCE OF SALT DURING PERIODS OF SNOW REQUIRES IT CORROSION - CONTRACTOR SHALL SEEK APPROVAL FROM VA ENGINEERING STAFF AND PARADIGM ENGINEERS AND CONSTRUCTORS BEFORE PURCHASING ANY EQUIPMENT.
- ALL DUCT WORK RUNS SHOWN ARE REPRESENTATIVE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDITIONS IN THE FIELD (EXISTING, OR PREDICATED BY LOCATION OF NEW EQUIPMENT) THAT MAKE NECESSARY ALTERNATE ROUTING OF DUCTWORK.
- PIPING RUNS SHOWN ARE REPRESENTATIVE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONDITIONS IN THE FIELD (EXISTING, OR PREDICATED BY LOCATION OF NEW EQUIPMENT) THAT MAKE NECESSARY ALTERNATE ROUTING OF PIPING.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE POWER CONNECTIONS FOR ALL EQUIPMENT INCLUDING, BUT NOT LIMITED TO: CONDENSING UNITS, FANS, VAV TERMINALS, ETC.
- ALL VAV/CAN TERMINALS WITH HOT-WATER REHEAT SHALL HAVE 2-ROW HEATING COILS. SEE NEW EQUIPMENT SCHEDULES FOR MORE INFORMATION.
- ALL DUCTWORK EXPOSED TO THE OUTDOORS SHALL BE FABRICATED FROM DOUBLE-WALL STAINLESS STEEL SHEET METAL WITH RIGID INSULATION. SEE LEGEND AND HATCHED DUCT ON NEW WORK PLANS FOR MORE INFORMATION.
- ALL DIFFUSERS NOT SHOWN AS A FULL CEILING GRID (I.E. 24"X24") SHALL BE A MINIMUM OF 12"X12".
- ALL NEW ROOM TEMPERATURE SENSORS SHALL BE TIED BACK IN TO THE EXISTING HVAC CONTROLS SYSTEM.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING (PATCHING, SEALING, FIRE-STOPPING, ETC.) ALL ABANDONED WALL PENETRATIONS AND ANY NEW PENETRATIONS CREATED FOR DUCT, PIPE, CONDUIT, ETC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY ARCHITECTURAL WORK (INCLUDING, BUT NOT LIMITED TO: FLOORING, CEILING TILE AND GRID, SMOKE PARTITIONS ABOVE CEILING, GYPSUM WALL BOARD AND PAINTING, PLASTER, ETC.) THAT IS DAMAGED, DISTURBED, OR REMOVED INCIDENTAL TO THIS WORK.
- SOME DUCTWORK, AIR TERMINAL UNITS, ETC. ARE LOCATED IN ATTIC SPACES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ASBESTOS ABATEMENT ASSOCIATED WITH NEW AND DEMOLITION WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SMOKE/FIRE DAMPERS AT ALL PENETRATIONS OF EXISTING AND/OR NEW SMOKE/FIRE RATED PARTITIONS. NEW SMOKE DAMPERS WITH AUTOMATIC CONTROLS SHALL BE INTEGRATED INTO THE EXISTING FIRE DETECTION AND ALARM SYSTEM COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER REQUIREMENTS.

**SYMBOLS/EQUIPMENT LEGEND**

- WALL-MOUNTED THERMOSTAT
- CONNECTION BETWEEN NEW AND EXISTING
- CAV/VAV AIR TERMINAL UNIT
- 1-HOUR SMOKE PARTITION
- STAINLESS STEEL DUCTWORK
- SEE CONNECTION ON 1-H5

**FOURTH FLOOR PLAN - NEW MECHANICAL WORK**  
1/8" = 1'-0"

**KEY PLAN**  
NOT TO SCALE  
FULLY SPRINKLERED BUILDING  
BID DOCUMENTS

<b>ARCHITECT/ENGINEERS:</b>  PARADIGM ENGINEERS AND CONSTRUCTORS PO BOX 436223 Louisville, Kentucky 40233 - PH: 502.339.8511 - www.paradigmus.com		<b>CONSULTANTS:</b>		<b>DATE:</b>	
<b>PROJECT INFORMATION:</b>		<b>PROJECT INFORMATION:</b>		<b>PROJECT INFORMATION:</b>	
Project Title: SURGICAL SUPPORT AND LOCKERS		Project Number: 636A8-11-011		Drawing Number: 1-H5	
Building Number: 1		Location: IOWA CITY VAMC 801 HIGHWAY 9 WEST, IOWA CITY, IOWA 52242-2208		Drawing Number: 1-H5	
Approved Project Director		Date: 07-08-22		Checked: KLP	
				Drawn: JEM	

