

**STATEMENT OF WORK FOR
HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) ACTIONS AT
CORPORAL MICHAEL J. CRESCENZ
DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER
3900 WOODLAND AVENUE
PHILADELPHIA, PA 19104**

1. SCOPE. The Vendor shall provide labor and materials necessary to perform HVAC services at the Philadelphia VA Medical Center as follows:

2. Air Conditioner (A/C) #5 Heating Coil, Basement Building #1

- 2.1 Properly Energy locks out and Tag out Existing A/C 5 unit located in Basement floor building 1, electrically and mechanically. Coordinate work with the Government Technical Point of Contact (GTPOC) at 215-823-5103.
- 2.2 Demolish and properly dispose existing steam and condensate piping from A/C #5 as required to perform work.
- 2.3 Remove and dispose existing steam heating coil and install new heating hot water coil into existing Johnson Controls International (JCI) air handler designated A/C #5.
- 2.4 Provide and install new 2" Type L copper heating hot water supply and return piping from existing mains located in the sub-basement of building #1 below existing A/C #5 to new coil connections. Tie in work to the heating hot water mains shall be performed during premium time working hours. Provide isolation valves, strainer, and circuit setter.
- 2.5 Provide and install one new three way control valve into heating hot water return piping, and connect to existing control wiring.
- 2.6 Insulate all new copper pipes with 1-1/2" thick mineral wool jacket, All-Service jacket (ASJ) and PVC fitting covers.
- 2.7 Project duration is 60 days, however changing the coil shall be completed on one day shut down to the A/C unit. The coil replacement will be scheduled for week end work.
- 2.8 The vendor shall field verify the existing field conditions. Crane work will be performed on week end schedule.
- 2.9 All work shall be coordinated with the GTPOC at 215-823-5103.
- 2.10 The vendor shall clean, dispose material, and repair the insulation around the new fan section.
- 2.11 All rigging Work is to be performed on premium time Saturday and Sunday, to avoid the day to day operation disturbance.

3. A/C #26 Fan Replacement, Building #2, 6th Floor

- 3.1 Properly Energy locks out and Tag out Existing A/C #26 unit located in 6th floor building 2, electrically and mechanically. Coordinate work with GTPOC at 215-823-5103.
- 3.2 Properly Remove and dispose old fan section from existing air handler AC #26 and remove from building 2 interstitial floors. This floor is light weight concrete, the contractor shall use plywood support for floor enforcement (between beams) while moving heavy equipment.

3.3 Provide and install one new JCI fan section or equal, sized for 11,500 cubic feet per minute (CFM), complete with new 20 horsepower (HP) high performance and high efficiency motor, the motor and fan shall be contained in new section body. The section shall be double wall insulated sheet metal similar to existing A/C unit.

3.4 Disconnect existing power wiring from existing air handler fan section. The new fan section is provided with a 20 HP motor, Replace existing fuses and heaters and install new wiring, fuses and heaters per National Electrical Code (NEC) for new motor. New motor size is larger than the existing. Wiring to be replaced as required to accommodate the new motor horsepower.

3.5 The vendor is permitted to do preparation work on the 6th floor during normal hours .the contractor shall not disturb the day to day operation for floor below. The contractor shall control noise, vibration and dust from affecting the Operating Room suite located on level below.

3.6 Project duration is 60 days, however changing the fan section shall be completed on one day shut down to the A/C unit. The Fan replacement will be scheduled for week end work.

3.7 The contractor shall field verify the existing field conditions, Crane work will be performed on week end schedule.

3.8 All work shall be coordinated with the GTPOC at 215-823-5103.

3.9 The vendor shall be fully responsible for cleaning, disposing material and repairing the insulation around the new fan section.

3.11 Total project time duration is 60 calendar days.

3.12 Vendor shall perform all rigging work on premium time Saturday and Sunday, to avoid the day to day operation disturbance.

4. A/C Replacement, Community Living Center (CLC), Community Room

4.1 Properly Energy locks out and Tag out Existing self-contained A/C unit located on CLC Roof, electrically and mechanically, recover Freon refrigerant, R22, from unit in accordance with Environmental Protection Agency (EPA) regulations, and turn in recovered Freon to GTPOC at 215-823-5103.

4.2 Remove and Properly Dispose Self-contained unit located on Building #30 Roof.

4.3 Provide one new A/C unit JCI 7.5 ton or equal to match existing .The unit must be two stage cooling package, Ozone Friendly Freon R-410A, 3 horse power motor, none fused disconnect switch, 7-day programmable thermostat, adapter Curb, High static, field drive. This is the characteristics for the existing unit. Any changes will be at no cost for the government, for example, increase the horse power will increase the wire size and breaker size, and the government will not pay for the additional cost. Utilize Crane service to rig new unit to the first floor roof and to remove old unit from CLC roof during week end.

4.4 Install new adapter Curb, and the 7.5 Ton unit. Repair roof around Curb. Modify existing duct work to fit new unit, provide and install new Flex connection as needed.

4.5 Disconnect electrical power and revise conduit and wiring as required to reconnect Reusing existing conduit. All electrical work shall be in accordance with NEC.

4.6 The vendor shall install new field high static drive in the new A/C unit.

4.7 Remove existing Thermostat with new unit 7-day programmable thermostat

4.8 Project duration is 60 days, however changing the fan section shall be completed on one day shut down to the A/C unit. The Fan replacement will be scheduled for week end work.

4.9 The vendor shall field verify the existing field conditions, Crane work will be performed on week end schedule.

4.10 All work shall be coordinated with the GTPOC at 215-823-5103.

4.11 The vendor will be fully responsible for cleaning, disposing material and repairing the insulation around the new fan section.

4.12 Job duration is 60 calendar days.

4.14 Vendor shall schedule all rigging work on premium time Saturday and Sunday, to avoid the day to day operation disturbance.