

SECTION 01 00 00
GENERAL REQUIREMENTS

1.1 GENERAL INTENTION

- A. Contractor shall provide all material, labor, supervision, travel, tools and equipment for the Replace Bard Units for Buildings 5 and 8, Project Number 558-15-217 as required by specifications and scope of work.
- B. VAMC Engineering Staff will render certain technical services during construction. Such services shall be considered as advisory to the Government and shall not be construed as expressing or implying a contractual act of the Government without affirmations by Contracting Officer or his duly authorized representative.
- C. All employees of general contractor and subcontractors shall comply with VA security management program and obtain permission of the VA police, be identified by project and employer, and restricted from unauthorized access.
- D. Prior to commencing work, general contractor shall provide proof that a OSHA certified "competent person" (CP) (29 CFR 1926.20(b)(2)) will maintain a presence at the work site whenever the general or subcontractors are present.
- E. Training:
 - 1. All employees of general contractor and subcontractors shall have the 10-hour OSHA certified Construction Safety course, Asbestos awareness safety courses, and /or other relevant competency training, as determined by VA COR or Safety Office with input from the ICRA team.
 - 2. Supervisors of general contractor and subcontractors shall have the 30-hour OSHA certified Construction Safety course, ASHE Health Care Construction: Subcontractor Certification, ASHE Health Care Construction Workshop Certification and /or other relevant competency training, as determined by VA CP with input from the ICRA team.
 - 3. Submit training records of all such employees for approval before the start of work.

1.2 STATEMENT OF BID ITEMS

Bid Item 1 (Base Bid):

- A. Provide all material, labor, supervision, travel, tools and equipment to:

1. Contractor shall provide and install one (1) new wall mounted packaged Bard or approved equal air conditioning unit to replace Bard Unit Model Number WA372-A10, Serial No. P072444017 on the exterior of Building 8. The new unit shall meet or exceed the performance standards of the existing unit at the time of installation and the contractor shall provide material data sheets for approval prior to installation. The new unit shall comply with the latest efficiency requirements of ASHRAE, be certified to the latest ARI standards and be a commercial product. The Contractor shall remove existing damaged unit from site and connect new unit to the electrical and duct systems. The contractor shall remove and replace exterior soffit and roof as need for proper installation. Contractor shall test new system and provide a compressor warranty and a parts warranty per the manufacture.

2. Contractor shall provide and install five (5) new Bard or approved equal Heat Pump units to replace Bard Unit Model Number WH 361-B15xx4xxx, Serial No. C041892 on the exterior of Building 5. The new units shall meet or exceed the performance standards of the existing units at the time of installation and the contractor shall provide material data sheets for approval prior to installation. The new units shall comply with the latest efficiency requirements of ASHRAE 90.1-2013; meet or exceed the amended energy standard for Single Package Vertical Heat Pumps of minimum EER of 11.0 and COP 3.3; be certified to the latest ARI standards and be a commercial product. The Contractor shall remove existing damaged units from site and connect new unit to the electrical and duct systems. The contractor shall remove and replace exterior soffit and roof as need for proper installation. Contractor shall test and balance the new system and provide a compressor warranty and a parts warranty per the manufacture.

1.3 PHASING

- A. No phasing required.

1.4 SHUTDOWNS

Contractor shall maintain all services to occupied portions of building, except as scheduled and approved by COR. To insure such executions, Contractor shall furnish the COR with a schedule of shutdown dates on which the Contractor intends to accomplish work on adjacent floors and areas. In addition, Contractor shall notify the COR two weeks in advance of the proposed date of starting work in each specific area or riser which will affect adjacent occupied areas.

1.5 SPECIFICATIONS FOR CONTRACTOR

- A. AFTER AWARD OF CONTRACT, the Contractor can download PDF files of the specifications for his use and distribution to Subcontractors.

1.6 CONSTRUCTION SECURITY REQUIREMENTS

A. Security Plan:

1. Prior to start of work, prepare a plan detailing project specific security measures. The security plan defines both physical and administrative security procedures that will remain effective for the entire duration of the project.
2. The General Contractor is responsible for assuring that all sub-contractors working on the project and their employees also comply with these regulations.

B. Security Procedures:

1. General Contractor's employees shall not enter the project site without appropriate badge. They may also be subject to inspection of their personal effects when entering or leaving the project site or DURVAMC campus.
2. For working outside the "regular hours" as defined in the contract, The General Contractor shall give 3 business days notice to the Contracting Officer so that security arrangements can be provided for the employees. This notice is separate from any notices required for utility shutdown described later in this section.
3. No photography of VA premises is allowed without written permission of the Contracting Officer.
4. VA reserves the right to close down or shut down the project site and order General Contractor's employees off the premises in the event of a national emergency. The General Contractor may return to the site only with the written approval of the Contracting Officer.

C. Key Control:

1. DURVAMC will issue keys as needed through the Engineering Program Support Assistant. Contractor should request a key through the COR. Contractor will need photo ID and is required to sign-out keys.
 - a. One key per contract can be issued. Additional keys can be requested and are subject to approval by the Chief of Engineering.
 - b. Lost keys must be reported immediately to VA Police and to the COR. Contractor can be billed the cost to re-core and re-key all affected areas.
 - c. Keys must be returned at the completion of the project, or prior to vacating the project site, whichever comes first.
 - d. Contractor will comply with Space Key Control policy and other regulations presented by Engineering Support Assistant at the time of key issue.

D. Document Control:

1. Before starting any work, the General Contractor/Sub Contractors shall submit an electronic security memorandum describing the approach to following goals and maintaining confidentiality of "sensitive information".
2. The General Contractor is responsible for safekeeping of all drawings, project manual and other project information. This information shall be shared only with those with a specific need to accomplish the project.
3. Certain documents, sketches, videos or photographs and drawings may be marked "Law Enforcement Sensitive" or "Sensitive Unclassified". Secure such information in separate containers and limit the access to only those who will need it for the project. Return the information to the Contracting Officer upon request.
4. These security documents shall not be removed or transmitted from the project site without the written approval of Contracting Officer.
5. All paper waste or electronic media such as CD's and diskettes shall be shredded and destroyed in a manner acceptable to the VA.
6. Notify Contracting Officer and Site Security Officer immediately when there is a loss or compromise of "sensitive information".
7. All electronic information shall be stored in specified location following VA standards and procedures using an Engineering Document Management Software (EDMS).
 - a. Security, access and maintenance of all project drawings, both scanned and electronic shall be performed and tracked through the EDMS system.
 - b. "Sensitive information" including drawings and other documents may be attached to e-mail provided all VA encryption procedures are followed.

E. Motor Vehicle Restrictions

1. Vehicle authorization request shall be required for any vehicle entering the site and such request shall be submitted in writing 24 hours before the date and time of access. Access shall be restricted to picking up and dropping off materials and supplies.
2. See 1.25 Parking for parking restrictions.

1.7 ROOF AND VERTICAL WORKSAFETY

Contractor is responsible for providing safe working conditions at all times. Work performed on roof and vertical elevations of building shall comply with OSHA regulations and VA Safety Office.

1.8 FIRE SAFETY

A. Applicable Publications: Publications listed below form part of this Article to extent referenced. Publications are referenced in text by basic designations only.

1. American Society for Testing and Materials (ASTM):

E84-2009.....Surface Burning Characteristics of Building
Materials

2. National Fire Protection Association (NFPA):

10-2010.....Standard for Portable Fire Extinguishers

30-2008.....Flammable and Combustible Liquids Code

51B-2009.....Standard for Fire Prevention During Welding,
Cutting and Other Hot Work

70-2011.....National Electrical Code

241-2009.....Standard for Safeguarding Construction,
Alteration, and Demolition Operations

3. Occupational Safety and Health Administration (OSHA):

29 CFR 1926.....Safety and Health Regulations for Construction

B. Fire Safety Plan: Establish and maintain a fire protection program in accordance with 29 CFR 1926. Prior to start of work, prepare a plan detailing project-specific fire safety measures, including periodic status reports, and submit to COR and Facility Safety Officer for review for compliance with contract requirements in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES Prior to any worker for the contractor or subcontractors beginning work, they shall undergo a safety briefing provided by the general contractor's competent person per OSHA requirements. This briefing shall include information on the construction limits, VAMC safety guidelines, means of egress, break areas, work hours, locations of restrooms, use of VAMC equipment, etc. Documentation shall be provided to the COR that individuals have undergone contractor's safety briefing.

C. Site and Building Access: Maintain free and unobstructed access to facility emergency services and for fire, police and other emergency response forces in accordance with NFPA 241.

D. Separate temporary facilities, such as trailers, storage sheds, and dumpsters, from existing buildings and new construction by distances in accordance with NFPA 241. For small facilities with less than 6 m (20 feet) exposing overall length, separate by 3m (10 feet).

- E. Means of Egress: Do not block exiting for occupied buildings, including paths from exits to roads. Minimize disruptions and coordinate with COR and facility Safety Officer.
- F. Egress Routes for Construction Workers: Maintain free and unobstructed egress. Inspect daily. Report findings and corrective actions weekly to COR and facility Safety Officer.
- G. Fire Extinguishers: Provide and maintain extinguishers in construction areas and temporary storage areas in accordance with 29 CFR 1926, NFPA 241 and NFPA 10.
- H. Flammable and Combustible Liquids: Store, dispense and use liquids in accordance with 29 CFR 1926, NFPA 241 and NFPA 30.
- I. Hot Work: Perform and safeguard hot work operations in accordance with NFPA 241 and NFPA 51B. Coordinate with COR. Obtain permits from facility Safety Officer at least 36 hours in advance. Designate contractor's responsible project-site fire prevention program manager to permit hot work.
- J. Fire Hazard Prevention and Safety Inspections: Inspect entire construction areas weekly. Coordinate with, and report findings and corrective actions weekly to COR and facility Safety Officer.
- K. Smoking: See section 1.27 Tobacco Use for smoking policy.
- L. Dispose of waste and debris in accordance with NFPA 241. Remove from buildings daily.
- M. Perform other construction, alteration and demolition operations in accordance with 29 CFR 1926.

1.9 HAZARDOUS MATERIALS MANAGEMENT

- A. Hazard Communication Program: Establish and maintain a Hazard Communication Program in accordance to the Occupational Safety and Health Administration (OSHA) regulations. Ensure staff have been properly trained on the hazardous materials that they will be brought on site as well as the location where the material safety data sheets (MSDSs) will be kept onsite. Ensure all MSDSs are provided and stored on site near the actual work area(s). MSDSs cannot only be available in an onsite trailer or office remote from the actual work site. All containers of hazardous materials and wastes must be properly labeled and stored at all times.
- B. Control of Hazardous Dusts, Vapors, Mists, and Runoff: Every reasonable effort is to be made in the use of hazardous materials to prevent or at last minimize exposure to construction staff and others in adjacent areas, as well as to prevent entrainment in the central HVAC system, This applies to work performed both indoors as well as outdoors. Should a problem arise, work will have to be modified or suspended to eliminate or reduce the impact to workers and/or building occupants.

- C. Disposal of Hazardous Wastes: All hazardous wastes generated are to be properly stored and removed as soon as practical from the job site. Transportation and disposal of such wastes is to be in accordance with Environmental Protection Agency (EPA), Department of Transportation (DOT), and State and local regulations.
- D. Asbestos: The facility has asbestos containing materials (ACM). In the process of construction the contractor may come in contact with suspected ACM that has not yet been identified. If suspected ACM is noted, stop work immediately and notify the COR. Under no circumstances is work to continue. Failure to halt will result in work stoppage and possible citation from the EPA and/or OSHA.

1.10 OPERATIONS AND STORAGE AREAS

- A. The Contractor shall confine all operations (including storage of materials) on Government premises to areas authorized or approved by the Contracting Officer. The Contractor shall hold and save the Government, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance.
- B. Temporary buildings (e.g., storage sheds, shops, offices) and utilities may be erected by the Contractor only with the approval of the Contracting Officer and shall be built with labor and materials furnished by the Contractor without expense to the Government. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the work. With the written consent of the Contracting Officer, the buildings and utilities may be abandoned and need not be removed.
- C. The Contractor shall, under regulations prescribed by the Contracting Officer, use only established roadways, or use temporary roadways constructed by the Contractor when and as authorized by the Contracting Officer. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any Federal, State, or local law or regulation. When it is necessary to cross curbs or sidewalks, the Contractor shall protect them from damage. The Contractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads.
- D. Working space and space available for storing materials shall be as determined by the COR.
- E. Workmen are subject to rules of Medical Center applicable to their conduct.
- F. Execute work so as to interfere as little as possible with normal functioning of Medical Center as a whole, including operations of utility services, fire protection systems and any existing equipment, and with work being done by others. Use of equipment and tools that

transmit vibrations and noises through the building structure, are not permitted in buildings that are occupied, during construction, jointly by patients or medical personnel, and Contractor's personnel, except as permitted by COR where required by limited working space.

1. Do not store materials and equipment in other than assigned areas.
 2. Schedule delivery of materials and equipment to immediate construction working areas within buildings in use by Department of Veterans Affairs in quantities sufficient for not more than two work days. Provide unobstructed access to Medical Center areas required to remain in operation.
 3. Where access by Medical Center personnel to vacated portions of buildings is not required, storage of Contractor's materials and equipment will be permitted subject to fire and safety requirements.
- G. Utilities Services: Where necessary to cut existing pipes, electrical wires, conduits, cables, etc., of utility services, or of fire protection systems or communications systems (except telephone), they shall be cut and capped at suitable places where shown; or, in absence of such indication, where directed by COR. All such actions shall be coordinated with the Utility Company involved:
- H. Building will be occupied during performance of work but immediate areas of alterations will be vacated.
1. Contractor shall take all measures and provide all material necessary for protecting existing equipment and property in affected areas of construction against dust and debris, so that equipment and affected areas to be used in the Medical Centers operations will not be hindered. Contractor shall permit access to Department of Veterans Affairs personnel and patients through other construction areas which serve as routes of access to such affected areas and equipment. Coordinate alteration work in areas occupied by Department of Veterans Affairs so that Medical Center operations will continue during the construction period.
- I. Utilities Services: Maintain existing utility services for Medical Center at all times. Provide temporary facilities, labor, materials, equipment, connections, and utilities to assure uninterrupted services. Where necessary to cut existing water, steam, gases, sewer or air pipes, or conduits, wires, cables, etc. of utility services or of fire protection systems and communications systems (including telephone), they shall be cut and capped at suitable places where shown; or, in absence of such indication, where directed by COR.
1. No utility service such as water, gas, steam, sewers or electricity, or fire protection systems and communications systems may be interrupted without prior approval of COR. Electrical work shall be accomplished with all affected circuits or equipment de-energized. When an electrical outage cannot be accomplished, work on any

- energized circuits or equipment shall not commence without the Medical Center Director's prior knowledge and written approval.
2. Contractor shall submit a request to interrupt any such services to COR, in writing, 48 hours in advance of proposed interruption. Request shall state reason, date, exact time of, and approximate duration of such interruption.
 3. Contractor will be advised (in writing) of approval of request, or of which other date and/or time such interruption will cause least inconvenience to operations of Medical Center. Interruption time approved by Medical Center may occur at other than Contractor's normal working hours.
 4. Major interruptions of any system must be requested, in writing, at least 15 calendar days prior to the desired time and shall be performed as directed by the COR.
 5. In case of a contract construction emergency, service will be interrupted on approval of COR. Such approval will be confirmed in writing as soon as practical.
- J. Abandoned Lines: All service lines such as wires, cables, conduits, ducts, pipes and the like, and their hangers or supports, which are to be abandoned but are not required to be entirely removed, shall be sealed, capped or plugged. The lines shall not be capped in finished areas, but shall be removed and sealed, capped or plugged in ceilings, within furred spaces, in unfinished areas, or within walls or partitions; so that they are completely behind the finished surfaces.
- K. To minimize interference of construction activities with flow of Medical Center traffic, comply with the following:
1. Keep roads, walks and entrances to grounds, to parking and to occupied areas of buildings clear of construction materials, debris and standing construction equipment and vehicles.
- L. Coordinate the work for this contract with other construction operations as directed by COR. This includes the scheduling of traffic and the use of roadways, as specified in Article, USE OF ROADWAYS.

1.11 ALTERATIONS

- A. Survey: Before any work is started, the Contractor shall make a thorough survey with the COR areas of buildings in which alterations occur and areas which are anticipated routes of access, and furnish a report, signed by both, to the Contracting Officer. This report shall list by rooms and spaces:
1. Shall note any discrepancies between drawings and existing conditions at site.

2. Shall designate areas for working space, materials storage and routes of access to areas within buildings where alterations occur and which have been agreed upon by Contractor and COR.

B. Protection: Provide the following protective measures:

1. Wherever existing roof surfaces are disturbed they shall be protected against water infiltration. In case of leaks, they shall be repaired immediately upon discovery.
2. Temporary protection against damage for portions of existing structures and grounds where work is to be done, materials handled and equipment moved and/or relocated.
3. Protection of interior of existing structures at all times, from damage, dust and weather inclemency. Wherever work is performed, floor surfaces that are to remain in place shall be adequately protected prior to starting work, and this protection shall be maintained intact until all work in the area is completed.

1.12 DISPOSAL AND RETENTION

A. Materials and equipment accruing from work removed and from demolition of buildings or structures, or parts thereof, shall be disposed of as follows:

1. Reserved items which are to remain property of the Government are identified by attached tags or noted on drawings or in specifications as items to be stored. Items that remain property of the Government shall be removed or dislodged from present locations in such a manner as to prevent damage which would be detrimental to re-installation and reuse. Store such items where directed by COR.
2. Items not reserved shall become property of the Contractor and be removed by Contractor from Medical Center.
3. Items of portable equipment and furnishings located in rooms and spaces in which work is to be done under this contract shall remain the property of the Government. When rooms and spaces are vacated by the Department of Veterans Affairs during the alteration period, such items which are NOT required by drawings and specifications to be either relocated or reused will be removed by the Government in advance of work to avoid interfering with Contractor's operation.

1.13 PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS

- A. The Contractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site, which are not to be removed and which do not unreasonably interfere with the work required under this contract. The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during contract performance, or by the

careless operation of equipment, or by workmen, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Contracting Officer.

- B. The Contractor shall protect from damage all existing improvements and utilities at or near the work site and on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. The Contractor shall repair any damage to those facilities, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.
- C. Refer to FAR clause 52.236-7, "Permits and Responsibilities," which is included in General Conditions. A National Pollutant Discharge Elimination System (NPDES) permit is required for this project. The Contractor is considered an "operator" under the permit and has extensive responsibility for compliance with permit requirements. VA will make the permit application available at the (appropriate medical center) office. The apparent low bidder, contractor and affected subcontractors shall furnish all information and certifications that are required to comply with the permit process and permit requirements. Many of the permit requirements will be satisfied by completing construction as shown and specified. Some requirements involve the Contractor's method of operations and operations planning and the Contractor is responsible for employing best management practices. The affected activities often include, but are not limited to the following:
- Designating areas for equipment maintenance and repair;
 - Providing waste receptacles at convenient locations and provide regular collection of wastes;
 - Locating equipment wash down areas on site, and provide appropriate control of wash-waters;
 - Providing protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials; and
 - Providing adequately maintained sanitary facilities.

1.14 RESTORATION

- A. Remove, cut, alter, replace, patch and repair existing work as necessary to install new work. Except as otherwise shown or specified, do not cut, alter or remove any structural work, and do not disturb any ducts, plumbing, steam, gas, or electric work without approval of the COR. Existing work to be altered or extended and that is found to be defective in any way, shall be reported to the COR before it is disturbed. Materials and workmanship used in restoring work, shall

conform in type and quality to that of original existing construction, except as otherwise shown or specified.

- B. Upon completion of contract, deliver work complete and undamaged. Existing work (walls, ceilings, partitions, floors, mechanical and electrical work, lawns, paving, roads, walks, etc.) disturbed or removed as a result of performing required new work, shall be patched, repaired, reinstalled, or replaced with new work, and refinished and left in as good condition as existed before commencing work.
- C. At Contractor's own expense, Contractor shall immediately restore to service and repair any damage caused by Contractor's workmen to existing piping and conduits, wires, cables, etc., of utility services or of fire protection systems and communications systems (including telephone) which are indicated on drawings and which are not scheduled for discontinuance or abandonment.
- D. Expense of repairs to such utilities and systems not shown on drawings or locations of which are unknown will be covered by adjustment to contract time and price in accordance with clause entitled "CHANGES" (FAR 52.243-4 and VAAR 852.236-88) and "DIFFERING SITE CONDITIONS" (FAR 52.236-2).

1.15 USE OF ROADWAYS

- A. For hauling, use only established public roads and roads on Medical Center property and, when authorized by the COR, such temporary roads which are necessary in the performance of contract work. When necessary to cross curbing, sidewalks, or similar construction, they must be protected by well-constructed bridges.

1.16 TEMPORARY USE OF EXISTING ELEVATORS

- A. Use of existing elevators for handling building materials and Contractor's personnel will be permitted subject to the following provisions:
 - 1. Contractor makes all arrangements with the COR for use of elevators. The COR will ascertain that elevators are in proper condition and determine hours of use.
 - 2. Contractor covers and provides maximum protection of following elevator components:
 - a. Entrance jambs, heads soffits, and threshold plates
 - b. Entrance columns, canopy, return panels, and the inside surfaces of car enclosure walls.
 - c. Finish flooring
 - 3. If brake lining of elevators are excessively worn or damaged during temporary use, they shall be removed and replaced by new brake lining.

4. All parts of main controller, starter, relay panel, selector, etc., worn or damaged during temporary use shall be removed and replaced with new parts, if recommended by elevator inspector after elevator is released by Contractor. Cost of elevator inspector to be borne by the Contractor if replacement is recommended by the elevator inspector.
5. Place elevator in condition equal, less normal wear, to that existing at time it was placed in service of Contractor as approved by the Contracting Officer.

1.17 TEMPORARY TOILETS

- A. Contractor may have for use of Contractor's workmen, such toilet accommodations as may be assigned to Contractor by Medical Center. Contractor shall keep such places clean and be responsible for any damage done thereto by Contractor's workmen. Failure to maintain satisfactory condition in toilets will deprive Contractor of the privilege to use such toilets.

1.18 AVAILABILITY AND USE OF UTILITY SERVICES

- A. The Government shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies, as specified in the contract.

1.19 HOURS OF WORK

Normal working hours will be used to complete this contract unless otherwise indicated on drawings or specifications. Normal working hours shall be 7:30 AM to 4:00 PM, Monday through Friday - Federal Holidays excluded. Deviations from normal working hours must be approved in writing from the Contracting Officer no less than 72 hours in advance.

1.20 PARKING

No construction related vehicles will be permitted to park at the Medical Center. Parking for construction workers may be available at a parking facility located approximately 2 blocks West of the Medical Center. Parking passes for the off-site parking can be obtained from the COR. Parking is limited and not guaranteed by VA.

1.21 TUBERCULOSIS (TB) TESTING

The contractor shall provide written certification that all contract employees assigned to the work site have had a pre-placement tuberculin screening within 90 days prior to assignment to the worksite and been found to have negative TB screening. Contractors will be required to show documentation of negative TB screening for any additional workers who are added after the 90-day requirement before they will be allowed to work on the work site. Per contract, TB screening will be required for renewal every year after the first submission. This screening can be a medical screening from your provider, the Center of Disease Control (CDC) and Prevention and two-step skin testing or a Food and Drug Administration (FDA) -approved blood test. Contract employees

manifesting positive TB screening must be examined according to current CDC guidelines prior to working on the VHA property.

If the employee is found without evidence of active (infectious) pulmonary TB, a statement documenting examination by a physician must be on file with the employer (construction contractor), noting the employee with a positive tuberculin screening is without evidence of active (infectious) pulmonary TB.

If the employee is found with evidence of active (infectious) pulmonary TB, the employee would require treatment with a subsequent statement to the fact on the file with the employer before being allowed to return to work on VHA property.

TB Testing shall be tracked using a project roster posted on site and signed by each employee.

1.22 TOBACCO USE

The Contractor shall be permitted to smoke or use tobacco products only in the designated smoking shelter. The Contractor is not permitted to smoke within their vehicles, the patient smoking shelter or anywhere on campus other than the employee smoking shelter, no exceptions. Smoking and spitting can be punishable if a violation occurs. Electronic vapor devices of any kind are not permitted inside the Hospital and shall be considered a tobacco product for the purposes of this section.

1.23 CONTRACTOR BADGES

All contractors shall submit for PIV badges no less than 21 days prior to starting work. Contractor shall request badge applications from the COR. All contractors shall wear their badge so that easily viewed at all times while on-site unless determined unsafe during temporary activities. If PIV badges are not provided by the VAMC, then the contractor shall provide them. It is required that the badges be photo ID badges, laminated, showing company and employee name with an expiration date no more than 12 months away.

1.24 CONSTRUCTION QUALITY CONTROL

A. QC PROGRAM REQUIREMENTS

B. Establish and maintain a QC program as described in this section. The QC program consists of a QC Manager/Superintendent, a QC plan (submitted prior to start of work), a Coordination and Mutual Understanding Meeting, QC meetings, three phases of control, submittal review and approval, testing, and QC certifications and documentation necessary to provide materials, equipment, workmanship, fabrication, construction and operations which comply with the requirements of this contract. The QC program shall cover on-site and off-site work and shall be keyed to the work sequence. No work or testing may be performed unless the QC Manager is on the work site.

C. THREE PHASES OF CONTROL

The three phases of control shall adequately cover both on-site and off-site work and shall include the following for each definable feature of work (DFOW).

D. Preparatory Phase

Notify the Contracting Officer at least two work days in advance of each preparatory phase. Conduct the preparatory phase with the superintendent and the foreman responsible for the definable feature of work. Document the results of the preparatory phase actions in the daily reports. Perform the following prior to beginning work on each definable feature of work:

1. Review each paragraph of the applicable specification sections;
2. Review the contract drawings;
3. Verify that appropriate shop drawings and submittals for materials and equipment have been submitted and approved. Verify receipt of approved factory test results, when required;
4. Review the testing plan and ensure that provisions have been made to provide the required QC testing;
5. Examine the work area to ensure that the required preliminary work has been completed;
6. Examine the required materials, equipment and sample work to ensure that they are on hand and conform to the approved shop drawings and submitted data;
7. Review the definable feature of work to ensure that applicable safety requirements are met, and that required Material Safety Data Sheets (MSDS) are submitted; and
8. Discuss specific controls used and the construction methods and the approach that will be used to provide quality construction by planning ahead and identifying potential problems for each DFOW.

D. Initial Phase

Notify the Contracting Officer at least two work days in advance of each initial phase.

When construction crews are ready to start work on a DFOW, conduct the Initial Phase with the foreman responsible for that DFOW. Observe the initial segment of the work to ensure that it complies with contract requirements. Document the results of the Initial Phase in the daily report and in the QC checklist. Perform the following for each DFOW:

VA Durham
558-15-217 Replace Bard Units for Buildings 5 and 8
Durham, NC

1. Establish the quality of workmanship required;
2. Resolve conflicts;
3. Ensure that testing is performed by the approved laboratory; and
4. Check work procedures for compliance with applicable safety requirements.

E. Follow-Up Phase

Perform the following for on-going work daily, or more frequently as necessary, until the completion of each DFOW and document in the daily report and in the QC checklist:

1. Ensure the work is in compliance with contract requirements;
2. Maintain the quality of workmanship required;
3. Ensure that testing is performed by the approved laboratory;
4. Ensure that rework items are being corrected; and
5. Assure manufacturers' representatives have performed necessary inspections, if required.

F. Additional Preparatory and Initial Phases

Additional preparatory and initial phases shall be conducted on the same DFOW if the quality of on-going work is unacceptable, if there are changes in the applicable QC organization, if there are changes in the on-site production supervision or work crew, if work on a DFOW is resumed after substantial period of inactivity, or if other problems develop.

1.25 WARRANTY MANAGEMENT

A. Warranty Management Plan

Develop a warranty management plan which contains information relevant to the clause Warranty of Construction. At least 30 days before the planned pre-warranty conference, submit 1 set of the warranty management plan. Include within the warranty management plan all required actions and documents to assure that the Government receives all warranties to which it is entitled. The plan must be in narrative form and contain sufficient detail to render it suitable for use by future maintenance and repair personnel, whether tradesmen, or of engineering background, not necessarily familiar with this contract. The term "status" as indicated below must include due date and whether item has been submitted or was accomplished. Warranty information made available during the construction phase must be submitted to the Contracting Officer for approval prior to each monthly pay estimate. Assemble approved information in a binder and turn over to the

VA Durham
558-15-217 Replace Bard Units for Buildings 5 and 8
Durham, NC

Government upon acceptance of the work. The construction warranty period will begin on the date of project acceptance and continue for the full product warranty period. A joint 4 month and 9 month warranty inspection will be conducted, measured from time of acceptance, by the Contractor, Contracting Officer and the Customer Representative. Include within the warranty management plan, but not limited to, the following:

Roles and responsibilities of all personnel associated with the warranty process, including points of contract and telephone numbers within the organizations of the Contractors, Subcontractors, manufacturers or suppliers involved.

Furnish with each warranty the name, address, and telephone number of each of the guarantor's representatives nearest to the project location.

Listing and status of delivery of all Certificates of Warranty for extended warranty items, to include roofs, HVAC balancing, pumps, motors, transformers, and for all commissioned systems such as fire protection and alarm systems, sprinkler systems, lighting protection systems, etc.

A list for each warranted equipment, item feature of construction or system indicating:

1. Name of item.
2. Model and serial numbers.
3. Location where installed.
4. Name and phone numbers of manufacturers or suppliers.
5. Names, addresses and telephone numbers of sources of spare parts.
6. Warranties and terms of warranty. Include one-year overall warranty of construction, including the starting date of warranty of construction. Items which have extended warranties must be indicated with separate warranty expiration dates.
7. Cross-reference to warranty certificates as applicable.
8. Starting point and duration of warranty period.
9. Summary of maintenance procedures required to continue the warranty in force.
10. Cross-reference to specific pertinent Operation and Maintenance manuals.

- 11.Organization, names and phone numbers of persons to call for warranty service.
- 12.Typical response time and repair time expected for various warranted equipment.
- 13.The Contractor's plans for attendance at the 4 and 9 month post-construction warranty inspections conducted by the Government.
- 14.Procedure and status of tagging of all equipment covered by extended warranties.
- 15.Copies of instructions to be posted near selected pieces of equipment where operation is critical for warranty and/or safety reasons.

B. Performance Bond

The Contractor's Performance Bond must remain effective throughout the construction period.

In the event the Contractor fails to commence and diligently pursue any construction warranty work required, the Contracting Officer will have the work performed by others, and after completion of the work, will charge the remaining construction warranty funds of expenses incurred by the government while performing the work, including, but not limited to administrative expenses.

In the event sufficient funds are not available to cover the construction warranty work performed by the Government at the Contractor's expense, the Contracting Officer will have the right to recoup expenses from the bonding company.

Following oral or written notification of required construction warranty repair work, respond in a timely manner. Written verification will follow oral instructions. Failure of the Contractor to respond will be cause for the Contracting Officer to proceed against the Contractor.

C. Pre-Warranty Conference

Prior to contract completion, and at a time designated by the Contracting Officer, meet with the Contracting Officer to develop a mutual understanding with respect to the requirements of this section. Communication procedures for Contractor notification of construction warranty defects, priorities with respect to the type of defect, reasonable time required for Contractor response, and other details deemed necessary by the Contracting Officer for the execution of the construction warranty will be established/ reviewed at this meeting. In

connection with these requirements and at the time of the Contractor's quality control completion inspection, furnish the name, telephone number and address of a licensed and bonded company which is authorized to initiate and pursue construction warranty work action on behalf of the Contractor. This point of contact will be located within the local service area of the warranted construction, be continuously available, and be responsive to Government inquiry on warranty work action and status. This requirement does not relieve the Contractor of any of its responsibilities in connection with other portions of this provision.

D. Contractor's Response to Construction Warranty Service Requirements

Following oral or written notification by the Contracting Officer, respond to construction warranty service requirements in accordance with the "Construction Warranty Service Priority List" and the three categories of priorities listed below. Submit a report on any warranty item that has been repaired during the warranty period. Include within the report the cause of the problem, date reported, corrective action taken, and when the repair was completed. If the Contractor does not perform the construction warranty within the timeframes specified, the Government will perform the work and back-charge the construction warranty payment item established.

First Priority Code 1. Perform onsite inspection to evaluate situation, and determine course of action within 4 hours, initiate work within 6 hours and work continuously to completion or relief.

Second Priority Code 2. Perform onsite inspection to evaluate situation, and determine course of action within 24 hours, initiate work within 72 hours and work continuously to completion or relief.

Third Priority Code 3. All other work to be initiated within 7 work days and work continuously to completion or relief.

The "Construction Warranty Service Priority List" is as follows:

Code 1 - Life Safety Systems

Fire suppression systems.

Fire alarm system(s) in place in the building.

Code 1 - Air Conditioning Systems

Recreational support.

Air conditioning leak in part of building, if causing damage.

Air conditioning systems not cooling properly.

Code 1 - Doors

VA Durham
558-15-217 Replace Bard Units for Buildings 5 and 8
Durham, NC

Overhead doors not operational, causing security, fire, or safety problem.

Interior, exterior personnel doors or hardware, not functioning properly, causing a security, fire, or safety problem.

Code 3 - Doors

Overhead doors not operational.

Interior/exterior personnel doors or hardware not functioning properly.

Code 1 - Electrical

Power failure (entire area or any building operational after 1600 hours).

Security lights

Smoke detectors

Code 2 - Electrical

Power failure (no power to a room or part of building).

Receptacle and lights (in a room or part of building).

Code 3 - Electrical

Street lights.

Code 1 - Gas

Leaks and breaks.

No gas to family housing unit or cantonment area.

Code 1 - Heat

Area power failure affecting heat.

Heater in unit not working.

Code 2 - Kitchen Equipment

Dishwasher not operating properly.

All other equipment hampering preparation of a meal.

Code 1 - Plumbing

Hot water heater failure.

Leaking water supply pipes.

VA Durham
558-15-217 Replace Bard Units for Buildings 5 and 8
Durham, NC

Code 2 - Plumbing

Flush valves not operating properly.

Fixture drain, supply line to commode, or any water pipe leaking.

Commode leaking at base.

Code 3 - Plumbing

Leaky faucets

Code 3 - Interior

Floors damaged.

Paint chipping or peeling.

Casework.

Code 1 - Roof Leaks

Temporary repairs will be made where major damage to property is occurring.

Code 2 - Roof Leaks

Where major damage to property is not occurring, check for location of leak during rain and complete repairs on a Code 2 basis.

Code 2 - Water (Exterior)

No water to facility.

Code 2 - Water (Hot)

No hot water in portion of building listed.

Code 3 - All other work not listed above.

END OF SECTION