

Project Location:

West Virginia National Cemetery - 42 Veterans Memorial Ln, Grafton, WV 26354

Project Title: Electrical and Roof Work at the Maintenance Building

Project Number: 912-M&R18-07

Statement of Work Summary:

Contractor shall furnish all tools, labor, materials, equipment, services, and professional design services to install lighting fixtures, replace the metal roofing system on the Maintenance Building, and other work described herein at the West Virginia National Cemetery as required by this scope of work, and all attached drawings and specifications.

A. General

1. Contractor is strongly encouraged to survey the project area prior to bidding to adequately understand the full scope of work and all requirements. Contractor is required to submit any questions or clarifications prior to bid. A bid submitted will be taken as agreement that the work shall be performed to meet the requirements herein based on the existing conditions in the field.
2. This numbered requirement only applies to work items specifically noted as design build elements below. The contractor shall engage the services of a professional design firm which specializes in the work contained in this project. Contractor shall submit this firm for approval complete with qualifications prior to the start of construction. Contractor and this professional design firm shall submit design drawings. Design drawings shall be: scaled drawings, Final construction documents, stamped and sealed by a professional engineer in the state where the work is to take place, submitted full size (30x42") and in electronic format (pdf) to both the Project Engineer and the Cemetery Director.
3. This numbered requirement only applies to work items specifically noted as design build elements below. Where a work item is noted as a design build element, a professional engineer's review shall be performed prior to submission. Prior to submission to the COR, contractor shall have all submittals reviewed, signed and sealed by a professional engineer in the state where work is to take place, and stamped approved by this professional design firm.

4. The contractor shall submit submittals including shop drawings and any other specification requirements to the COR for review and approval prior to fabrication/installation. Submittals approved by the owner (VA/NCA) are required prior to starting on the corresponding work.

5. The contractor shall submit a draft invoice/payment request concurrently to the field COR and the Project Engineer for dual approval. Only when the field COR and the Project Engineer approve of the draft invoice may it then be submitted for formal payment.

B. Specific work items:

1. Design Build Element: Provide professional design service to design and submit construction drawings and details to install a replacement metal roof on the Maintenance Building (also typically referred to as Cold Storage Building on drawings). The specific requirements herein and on the drawings shall be the minimum requirements. Demolish existing metal roof, sheathing, and underlayment. Install new metal roof, sheathing and underlayment per specifications.

2. Install two (2) new LED exit and emergency lighting fixtures, one at each exit door over the door. Fixtures shall meet specification requirements and be wired into the existing electrical panel. Install new circuit in rigid metal conduit for these fixtures.

3. Install four (4) new LED exterior wallpack light fixtures. Fixtures shall be minimum: 55W consumption, 375W equivalent output, 5000K temperature, 6500 Lumens, outdoor rated, waterproof, and UL listed. See drawing for approximate locations for fixtures and existing panels. Install new fixtures as close to the top of the building as is practical, and within manufacturer's requirements. Install new circuit in rigid metal conduit for these fixtures. Install new photocell on this circuit such that the new fixtures only run when it is dark.

4. Install two (2) new safety yellow heavy duty solid plastic parking bumpers, truck sized. Sizes to be 8' long, 10" deep, and 7" high with a standard front and back bevel. Provide method of securing to ground which shall provide for long term durability. Submit locations in coordination with the COR to ensure protection of the existing building from vehicle damage. Submit for approval.

C. Specification sections include the following:

- 01 00 02 General Requirements
- 01 33 23 Shop Drawings, Product Data, and Samples
- 01 42 19 Reference standards
- 01 57 19 Temporary environmental controls
- 01 74 19 Construction waste management
- 02 41 10 Demolition and Site Clearing
- 06 10 00 Rough Carpentry
- 07 01 50.19 Preparation for Re-Roofing
- 07 41 13 Standing Steam Metal Roofing
- 07 92 00 Joint Sealants
- 26 05 11 Requirements For Electrical Installations
- 26 05 21 Low-Voltage Electrical Power Conductors And Cables (600 Volts And Below)
- 26 05 26 Grounding And Bonding For Electrical Systems
- 26 05 33 Raceway And Boxes For Electrical Systems
- 26 51 00 Interior Lighting
- 26 56 00 Exterior Lighting

D. Drawings include the following:

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E. Utilize the most up to date NCA Design Guides and AE submission requirements documents. Drawings must be signed and sealed by a professional engineer in the state where the work is to take place.

Contractor shall submit drawing(s) and specification(s) package as detailed below.

a. Final Construction Documents. Submit package per the table below. Alternatively the electronic set can be delivered via e-mail (less than 8mb only) to rico.silvetti@va.gov. Use standard mail service to deliver the quantities of complete sets of specifications, drawings to the below address list.

Quantity	Address List
1 Full Size + 1 Half Size + 1 set of specifications + 1 CD electronic set	Rico Silvetti National Cemetery Administration North Atlantic District 5000 Wissahickon Ave Philadelphia, PA 19144

1 Full Size + 1 Half Size + 1 set of specifications + 1 CD electronic set	Brian (Keith) Barnes West Virginia National Cemetery - 42 Veterans Memorial Ln, Grafton, WV 26354
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b. Submittal Letter: Submit letter with each construction submittal, signed by the A/E firm stating approval of the submittal concurrent with their design package.

c. Seal of A/E: Each Contract Drawing shall bear the seal and signature of the registered professional architect or engineer responsible for its design. The seal and signature shall be affixed for the final scheduled review stage of each phase of the Construction Documents section. Before the final contract documents are issued for bidding, a principal of the A/E firm under contract to the VA will be required to provide a signed certification that all drawings and calculations have been properly signed and sealed by the appropriate individual for each discipline, in accordance with the rules and regulations of the local State licensing authority. This certification shall be forwarded to the Contracting Officer upon the completion of the Contract Documents.

d. Contract specifications shall be bound and have a clear plastic front and back cover (spiral bound as made by GPC).

e. Drawings shall be in black and white; size and quantity in accordance with table above.

f. Contractor shall submit a cost estimate which matches their bid for this contract. This shall serve as the basis for payment during the project in accordance with the FAR/VAAR clauses for payment which are included as part of this contract.

g. A final set of design calculations (where appropriate).

h. When CD's are required, the A/E shall provide all construction documents as follows. The CD shall include final specifications, drawings, and final construction cost estimate. Formats as follows: Specifications – Word & PDF; Drawings- AutoCAD & PDF; Cost Estimates- Excel & PDF. If all of the information does not fit on one CD, then one CD shall mean the set of CD's necessary to include all of the required submission information. Where files can be transferred in files below 8mb, email is preferred to a CD. Consult with the Project Engineer as there is a file transfer system which can be used for larger file sizes.

i. Prints of the station site, utility drawings and building floor plans may or may not be available. The accuracy of these drawings is not guaranteed and shall be used only for general information. Actual conditions must be field verified by the A/E.

j. Download from Technical Information Library (TIL) copies of the Master Construction Specifications list and unedited copies of each specification section applicable to this project as determined by the A/E. Consult the NCA design guides and master specifications found at

http://www.cem.va.gov/ce/design_construction/index.asp

c. A/E submission instructions for NCA projects can be found at

http://www.cem.va.gov/cem/design_construction/index.asp

Where differences between the above specified deliverables and those in the A/E submission instructions in the website above, those specified above in this scope of work shall govern.

k. CADD deliverables conform to the VHA National CAD Standard Application Guide. Available on line TIL (Technical Information Library)

<http://www.cfm.va.gov/til/sDetail.asp>

- Office of Facility Management Web Site
- Architect/Engineer Information
- CADD Deliverables guidelines
- General Guidelines

m. Topic 2, Drawings VA Program Guide PG-18-3, available on line TIL (Technical Information Library) <http://www.cfm.va.gov/TIL/cPro.asp>

- Office of Facility Management Web Site
- Architect/Engineer Information
- Design submission requirements
- Procedures (Design & Construction)
- Topic 2 Drawings

n. The A/E shall specify in the construction design specifications the use of the maximum practicable amount of recovered materials consistent with the performance requirements, availability, price reasonableness, and cost-effectiveness. The A/E shall also consider energy conservation, pollution prevention, and waste reduction to the maximum extent practicable in developing the construction design specifications. Energy-consuming products must comply with the following applicable requirements. When acquiring energy-consuming products listed in the ENERGY STAR® Program or Federal Energy Management Program (FEMP):

- (i) Agencies shall purchase ENERGY STAR® or FEMP-designated products; and
- (ii) For products that consume power in a standby mode and are listed on FEMP's Low Standby Power Devices product listing, agencies shall—

(A) Purchase items which meet FEMP's standby power wattage recommendation or document the reason for not purchasing such items; or

(B) If FEMP has listed a product without a corresponding wattage recommendation, purchase items which use no more than one watt in their standby power consuming mode. When it is impracticable to meet the one watt requirement, agencies shall purchase items with the lowest standby wattage practicable; and

- (iii) Information is available via the Internet about—

(A) ENERGY STAR® at <http://www.energystar.gov/products>; and

(B) FEMP at http://www1.eere.energy.gov/femp/procurement/eep_requirements.html.

Pre-Bid Site Visit: Bidders are strongly encouraged to inspect, site investigate by observation, and Request for Information (RFI) and responses through the Contracting

Office to satisfy their understanding of the work to be done, all general, local and technical conditions that may affect the cost and the feasibility of their proposal. In no event shall failure to inspect the site constitute grounds for a claim after award. If you are planning to conduct a site visit / inspection at any project location, YOU MUST CONTACT one of the following National Cemetery Administration personnel to make arrangements:

Cemetery POC(s):

Brian (Keith) Barnes, West Virginia Cemetery Director (304) 265-2044 or Brian.Barnes@va.gov

Technical POC:

Rico J. Silveti, North Atlantic District (NAD) Engineer..... (215) 381-3787 x4050 or rico.silveti@va.gov

PRICE SCHEDULE

DESCRIPTION	QTY	UNIT	TOTAL PRICE
Contractor shall provide all labor, equipment, material, professional design services and supervision necessary to perform all work contained herein and per the attached specifications.	1	JOB	\$ _____

Duration: Term of the contract shall be one hundred and twenty days (120 days) from date of Notice to Proceed (NTP). The Contractor shall complete all work within 120 calendar days after receipt of Notice to Proceed (NTP), subject to all terms, conditions, provisions and schedules of the contract.

(END OF PRICE SCHEDULE)

1/19/2018

X Rico J. Silveti

Rico J. Silveti
Project Engineer
Signed by: RICO J SILVETTI 383641