

**DESIGN - FTFA 23-VH59 HANGER CONVERSION HUMAN
PERFORMANCE CENTER (HPC) CONSTRUCTION
30 MAY 2024**

STATEMENT OF WORK

- 1. SCOPE:** The work under this contract consists of furnishing labor and materials in accordance with Contract Specifications. The proposed D51 Hanger Conversion, Human Performance Center project will consist of a building expansion and renovation/repair to the existing Facility 59040 Hanger. The work consists of demolition, renovation, construction, utilities, and storm water retention pond to support the Hanger Conversion Human Performance Center Construction. The project will include new insulation, utilities, and mechanical systems for the existing structure as well as an addition to the existing building. The facility will include exercise space including interior turf and rubberized flooring. It will also provide space for physical therapy/training, an administrative area, and support facilities such as a storage room, mechanical/electrical room, comm room, restrooms, laundry, etc. The proposed project site is located onboard the Naval School EOD Range D51 on the south side of Range Road 3rd Ave.

- 2. DESCRIPTION OF WORK:** In general, the work shall consist of, but is not limited to, the following, to include adhering to the approved Project Specifications, Design, and Design Analysis which will be provided:

Renovation/Repair

- a. Removal of existing concrete blast pit.
- b. Removal of a portion of concrete apron and sidewalk near the old hanger door and at the rear/east elevation.
- c. Cutting (and patching) the existing asphalt road.
- d. Grade cut for redirecting stormwater.
- e. Project will include the addition of all Utilities (HVAC, Water, Electrical, Sewage, Communications, Fire Suppression, Mass Notification)
- f. Renovate to meet requirements for a Communication Room and shared Mechanical/Electrical Rooms.
- g. Renovations will include U-Values for wall and roof assemblies according to the Envelope Thermal Performance Calculations provided.
- h. Renovation and Construction will include seamless rubber strength and conditioning flooring along with a turf area.
- i. Walls will be furred and finished according to Design Analysis.

New Construction

- a. New Construction/Addition will extend off the west end of the existing building
- b. All exterior walls, except for the west end wall, will be 8” reinforced concrete masonry unit (CMU) walls bearing on concrete strip footings.
- c. The west end wall will be a 12” CMU wall bearing on a concrete strip footing.

- d. The gabled main roof will be framed with gabled bar joists spanning from side wall to side wall with no intermediate support. The gable joists will support metal decking.
- e. The mono-sloped lean-to portion of the addition will have a roof framed with bar joists spanning from CMU wall to CMU wall, with the northern most bearing being on structural steel beams, supported by steel tube columns.
- f. Floor shall be a concrete slab-on-grade to match the elevation of the existing floor.
- g. Project will include the addition of all Utilities (HVAC, Water, Electrical, Sewage, Communications, Fire Suppression, Mass Notification)
- h. HVAC system shall consist of a chilled water system with 50-ton air cooled chiller that meets all the energy conservation requirements of ASHRAE 90.1, all applicable UFCs, and Energy Conservation Executive Orders.
- i. Install Lighting and Accessories
- j. Construct Unisex Restrooms/Heads and Office Space
- k. Construct Laundry room and Janitor Closet.
- l. Include space for Ice Machine inside and Exterior Spaces that include two Shower Heads, Spigot and Walk-off Mat to remove sand, and two Ice Baths.
- m. Construct a sidewalk as show in the drawing, from the asphalt road will provide access to the new front door, light broom stroke finish.
- n. Construct mechanical equipment concrete pad in proposed grass area southeast of the existing building as shown on the drawings.
- o. Construction will include U-Values for wall and roof assemblies according to the Envelope Thermal Performance Calculations provided.
- p. There will not be any windows into the new space. Exterior doors, other than main entry doors, will be hollow metal insulated doors without glazing.
- q. Install a 10' wide x 12' high overhead door on the west, at the circular drive.
- r. Work is to be completed during normal daylight hours.

LOCATION:

Building 59040 NAVSCOLEOD, Range D51, 3rd Ave

3. SITE INSPECTION: Contractor to visit areas of work and verify all conditions and dimensions.

4. APPLICABLE PUBLICATION/REGULATIONS: Publications referred to in the specifications may include reference dates that do not reflect current status of the publication. Unless otherwise stated in the specifications (this will be accomplished by stating "Compliance is required with this publication versus any future versions") the current publication is the applicable publication. Where the specification further refers to deviations from these publications, these deviations will be applied to the current publication.

5. STORM PROTECTION: Should warnings of winds of gale force or stronger be issued, the contractor shall take every practical precaution to minimize danger to persons, to the work, and to adjacent property. These precautions shall include closing all openings, removing all loose materials, tools, and equipment from exposed locations, and removing or securing scaffolding and other temporary work.

6. INTERFERENCE WITH STATION OPERATIONS: Permission to interrupt any utility, communication, operational or traffic service or pattern shall be requested in writing at least 3 working days prior to the date of the desired interruption. The Contractor shall receive approval in writing from the Contracting Officer before the requested interruption may be put into effect. Any power outage shall be approved by the Contracting Officer in writing.

7. CHEMICAL LATRINE: The Contractor shall provide, at no additional cost to the government, a minimum of one chemical latrine, and additional latrines at one per 12 workmen, where needed. The latrine(s) will be at the job site for the duration of the contract performance period. The latrine(s) shall be serviced as often as required for sanitary conditions, but in no case shall servicing be less than once per week. Servicing shall comply with all applicable federal, state, and local laws, ordinances, and regulations. The latrine waste shall be disposed of legally off government lands.

8. WORK CLEARANCE: The Contractor shall be responsible for obtaining and having filled out form AF Form 103, Base Civil Engineering Work Clearance Request. No site work shall be done until this form is completed. Contractor shall support & protect existing utilities, storm pipes and storm structures. Contractor shall be responsible to repair or replace any damages to said utilities, storm pipes and structures at their own expense to as good as or better than existing condition.

9. SCHEDULING: The Contractor shall submit a schedule of proposed work to the Contracting Officer. The schedule shall show the proposed activities, including locations where work is planned and planned shutdown of equipment. All work sequencing and phasing is subject to the approval of the Contracting Officer.

10. Drawing and Specification: For bid and construction, refer to the full design and specification provided by government.

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96 CEG/CENMPW/NAVFAC