SECTION 01 10 00 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
2. Work under separate contracts.
4. Access to site.
5. Work restrictions.

B. Related Requirements:
1. Section 01 50 00 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Government's facilities.

1.2 PROJECT INFORMATION

A. Project Identification:
1. Project Location: C-17 Corrosion Control / Fuel Cell Hangar and Flight Simulator Training Facility (SIM), Charlotte-Douglas IAP Air National Guard Base, Charlotte, North Carolina

B. Owner: North Carolina Air National Guard (NCANG)

C. LEED Criteria: The Project has been designed to comply with a Silver Certification Level (minimum) according to the U.S. Green Building Council's Leadership in Energy & Environmental Design (LEED) Rating System Version 2009 in a certification process with the United States Green Building Counsel (USGBC). This process requires efforts by the General Contractor (GC) and his subcontractors, the GC's separate Independent Commissioning Agent (CxA), the Design A/E, and the Owner (NCANG), during and at the end of construction prior to building acceptance/occupancy. Note that each facility, the C-17 Hangar, and the Flight Simulator Training Facility requires a 'separate' LEED certification. Refer to specification section 01 81 13 –“Sustainable Design Requirements” (LEED) and specification section 01 91 13–“General Commissioning Requirements” for the C-17 Hangar, and the Flight Simulator Facility current specific LEED points and Certification criteria.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work includes, but not limited to, all labor, materials, equipment and incidentals necessary to construct a complete and fully functional new C-17 Corrosion Control / Fuel Cell Hangar and
a Flight Training Simulation Facility that will provide two modern facilities in support of current and future requirements for the 145th Airlift Wing for the North Carolina Air National Guard. The new Hangar facility includes: a fuel cell aviation maintenance hangar with supporting wash gear drying area, tool crib, supervisor office, open offices, and work stand and equipment storage. Additional hangar support functions are: shops for corrosion treatment, corrosion repair, paint stripping and repainting, metal shop, composite shop, supervisor offices, open offices, paint storage, paint mixing, paint booth, dirty restrooms, sanding booth, and booth dust collection areas. The new Flight Simulator Training Facility (SIM Bldg.) includes: full motion simulator bay with supporting weapon system trainer areas and bays, weapon systems computer room, loadmaster station, briefing rooms, communications equipment room, maintenance workroom, maintenance dirty workroom, Storage, learning center, private offices, and an open office area. Additional areas for both facilities (Hangar and SIM) include toilet and break areas, storage, mechanical mezzanines, building circulation, and all other associated supporting facility spaces. New building mechanical, electrical, plumbing, telecommunications, architectural, fire protection systems and equipment (including a HEF aircraft suppression system at the Hangar), site/civil – storm water management features, and structural systems shall also be provided as part of each facility. Site work will consist of grading, aircraft rigid concrete pavement, flexible pavement, sidewalks, curbing, landscaping, exterior lighting, utilities, selective existing utility re-routings, and antiterrorism / force protection (AT/FP) measures.

B. Commissioning: The Commissioning Authority (CxA) is responsible for developing a commissioning schedule and executing a commissioning plan. The CxA is under a separate contract with the Government. Contractor shall coordinate with the CxA.

C. Type of Contract:
1. Project shall be a Firm Fixed price (FFP) contract.

D. Work Sequence:
1. Work will be conducted in a single phase. Additionally, there are Bid Items in the design package (called Optional Line Items – referred to as OLI’s). Refer to Contract Specification Section 01 23 00, “Optional Line Items.”
2. Temporary Government Office (Swing Space) Space: Not required.

1.4 WORK BY GOVERNMENT

A. General: The contractor shall coordinate all required work under the terms and conditions of this contract with the Government to facilitate any other site or project requirements.

1.5 GOVERNMENT-FURNISHED PRODUCTS

A. Government may furnish products to be incorporated into Work by Contractor. Refer to the contract drawings for locations of Installed Building Equipment (IBE) vs. Personal Property (PP). All items indicated in the Contract Documents are considered IBE and a part of this
Contract, except for certain Personal Property (PP), as identified in the Contract Documents that shall be provided and installed by the Contractor.

1.6 ACCESS TO SITE

A. Use of Site: Limit use of Project site to areas within the Contract Limits of Disturbance indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

   1. Limits: Limit of Site disturbance shall be as indicated by the Limits of Disturbance in the Contract Documents.
   2. Driveways, Walkways and Entrances: Keep driveways and entrances serving premises clear and available to Government, Government's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
      a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
      b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.7 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with Government restrictions on construction operations.

B. On-Site Work Hours: Limit work on the Air National Guard Base, Hangar and Flight Simulation site area to normal business working hours of 7:00 a.m. to 3:30 p.m., Monday through Friday, except the ten (10) Federal and State Government observed holidays as follows:

   1. New Years Day
   2. Martin Luther King’s Birthday
   3. Presidents Day
   4. Good Friday
   5. Memorial Day
   6. Independence Day
   7. Labor Day
   8. Columbus Day
   9. Election Day
   10. Veterans Day
   11. Thanksgiving Day
   12. Christmas Day

C. Existing Utility Interruptions: Do not interrupt utilities serving adjacent facilities occupied by Government or others unless permitted under the following conditions and then only after providing temporary utility services maintaining continuity of service according to requirements indicated:

   1. Notify Government not less than five days in advance of proposed utility interruptions.
   2. Obtain Contracting Officer’s written permission before proceeding with utility interruptions.
3. This project requires the refurbishment of an existing active Fire Water Storage Tank (Tank #137) as part of this project. The tank is located on the west side of the Hangar Project Site area. The outage limitations for shutting down the existing Tank shall not exceed thirty(30) days in order to perform the necessary repairs and connections as defined within these Contract Documents. This maximum duration is inclusive of all efforts to include but not limited to: (drainage, inspections, repairs and connections, refill, etc.) In addition, the Government shall be notified not less than fourteen(14) days in advance of proposed outage date. The Contactor shall include this activity within the CPM Schedule for Government review and approval.

D. Excavation: Notify Government/COR no less than thirty days in advance of proposed excavation activities, and coordinate proposed excavation activities with all required permit review/issuance periods.

E. Controlled Substances: Use of tobacco products and other controlled substances on Project site is not permitted.

F. Employee Identification: Contractor shall comply with all Charlotte-Douglas Air National Guard Base (ANGB) employee identification requirements.

G. Employee Screening: Contractor shall comply with all Charlotte-Douglas Air National Guard Base (ANGB) requirements for employee screening requirements.

H. Employee Access: Contractor shall comply with all Charlotte-Douglas Air National Guard Base (ANGB) installation entry control procedures for all contractors, subcontractors, and suppliers. The contractor shall obtain the necessary passes and/or identification for entry into the work site for the contractor, subcontractor, and suppliers prior to the commencement of work. The Contractor shall maintain and provide the Government a current roster of all subcontractors and provide any changes immediately to the Government. Procedures and limitations for installation entry control procedures will be supplied to the contractor at the pre-construction meeting.

I. Federal Aviation Administration (FAA) Identification: Not required. Contractor shall be responsible for obtaining FAA identification badges required while working in FAA jurisdictional areas (such as the flight line).

1.8 MISCELLANEOUS REQUIREMENTS

A. The General Contractor shall be thoroughly familiar with the Drawings and Specifications to ensure against misunderstanding between trades during entire construction of project. If there is a conflict between different contract documents, the contractor shall submit a Request for Information to clarify the discrepancy prior to proceeding and/or installing the item/work.

B. Rough-In: All rough-in for all items of work and materials indicated on the Drawings or in the Specifications, except as may be specifically excluded, shall be furnished and installed, complete, by the Contractor.
C. Site Preparation: All site preparation work shall proceed with due care and safety for personnel and pedestrians. All operations shall be planned to cause the minimum amount of interference with normal routine and functioning of existing facilities on the Charlotte-Douglas ANGB.

D. Preservation and Restoration of Property: Contractor shall be responsible for the preservation of all public and private property on the surface or underground, along and adjacent to the work, and shall conduct their operations in a manner that will ensure against injury or damage thereto. Work shall be accomplished within the Limits of disturbance indicated on the Contract documents.

E. Where any direct or indirect damage is done to public or private property by or on account of any act, omission, neglect or misconduct in the execution of the work, or because of non-execution thereof, on the part of the Contractor, such property shall be restored by the Contractor, at no cost to the Government, to a condition equal to that existing before such damage was done, by repairing, rebuilding or otherwise restoring same in a manner acceptable to the Government.

F. All work performed under this Contract shall proceed with due care and safety for all personnel, pedestrians, and vehicular traffic. All work shall be planned so that the Project can be secured against unauthorized entry at the end of each working day.

G. Although every endeavor has been made, on the Drawings and in Specifications to show all new and existing conditions, it will be the Contractor’s responsibility to fully and carefully evaluate drawings and jobsite conditions prior to submitting the bid proposal. It is not the intent of the Contract to pay the Contractor for work due to deviations from Drawings and Specifications.

H. The Contractor is responsible for the identification, obtaining, and payment of all Construction Permit and tapping fees (both temporary and final hook-up) that may be required for the construction of the project. This shall include general/utility/excavation permits, tapping permits or fees, etc., as may also be required by the Government and/or local utility authorities.

I. The Geotechnical Investigation Report that was completed in December-2016 (for Hangar), and March-2017 (for SIM Bldg.) for the NCANG C-17 Corrosion Control / Fuel Cell Hangar Project is available under separate cover and shall be considered Supplemental information only (e.g. non-binding) for the Contractor's use. The Contract Plans and Specifications have taken into consideration the discussions and recommendations in the report and govern as construction requirements. The Contractor is required to verify all existing conditions necessary for proper installation, construction, and operation of all elements indicated in, and in accordance with the Contract documents.

J. This project site area(s) within the overall Charlotte-Douglas Air National Guard Base (ANGB) may be located within an ‘active construction site’ under a separate project(s) (and GC’s). The Contractor shall be responsible (material, labor, and all applicable fees), and/or coordinate with all other GC’s, to maintain and/or provide all provisions that exist on-site or that are required per the Contract Documents to include but not limited to Erosion & Sediment Control Plan, Temporary Utility Connections, etc. Contractor shall coordinate with other GC’s working within the Charlotte-Douglas ANGB installation to ensure all separate construction activities, to include but not limited to: site access, staging area(s), etc. (of all separate projects) shall not be interrupted.
K. This project may utilize approximately 7,000 cubic yards of Stockpiled spoil material that is located within the Charlotte-Douglas Air National Guard Base (ANGB), and is anticipated to be used as a borrow source in the event that it is determined that fill materials will be required to establish finish grades. The Contractor shall be responsible for ensuring borrow materials adhere to the material requirements provided in Specification 31 20 00 EARTH MOVING and final cubic yardage available for use. Coordinate with and obtain approval from Base Civil Engineer POC prior to accessing the borrow site.

1.9 SPECIFICATION AND DRAWING CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard and scheduled on Drawings.

1.10 SAFETY REQUIREMENTS

A. The Contractor shall provide and maintain all necessary fences, barricades and other reasonable safeguards required to ensure the safety of all personnel.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00