

STATEMENT OF WORK FOR WO #79532
REPAIR/RENOVATE ROOMS AMX WX AMV STAND-UP
MAHG16-9004
KEESLER AFB, MISSISSIPPI

1.1 **SCOPE:**

The Work performed under this Contract shall consist of furnishing all labor, materials, and equipment necessary to repair and renovate various rooms and fencing in/at building 4221, Roberts Hall, as described in this Statement of Work and as shown on the drawings.

Contractor is required to examine the site and make note of all requirements of the Work before submitting any bids. Any accessories or incidental items not specifically shown on the Drawings and detailed in the Statement of Work herein, which are necessary and/or required to complete the work within the intent of these documents, shall be included by the Contractor without additional cost to The Government. All work shall be performed in strict accordance with the SOW/specifications/plans and drawings and subject to the terms and conditions of the contract.

All work shall be done in a neat and workmanlike manner and in keeping with generally accepted standards for similar work.

Contractor is responsible for Disposing of all Material and cleaning the area of work at the completion of the project. Contractor shall keep each work area clean on a daily basis so as to allow continued access to the project area.

It is/ is not anticipated that hazardous material will be encountered during the course of work. However, should such material be encountered, the Contractor is to immediately stop work and contact the Contracting Officer. All hazardous material will be dealt with according to paragraphs 1.28, 1.3, and 1.31 of this Statement of Work.

1.12 **SPECIFICALLY THE CONTRACTOR SHALL: (by room number)**

ROOM 105:

❖ **REMOVE:**

- Remove and reinstall modular furniture to include disconnecting and reconnecting power to cubicles.
- Prepare walls for new finishes.
- Note per Customer (Government): Contractor is not to remove existing marker boards. Patch, prepare, prime and paint around perimeter of existing boards.

❖ **PROVIDE AND INSTALL NEW:**

- Paint room in its entirety. Patch gypsum wallboard holes, scratches, and cracks as necessary to achieve level 4 finish. Match existing wall texture. Paint both sides at all new wall locations. Paint according to specifications.

ROOM 105B:

❖ **REMOVE:**

- Remove and reinstall modular furniture to include disconnecting and reconnecting power to cubicles.
- Prepare walls for new finishes.

- Note per Customer (Government): Contractor is not to remove existing marker boards. Patch, prepare, prime and paint around perimeter of existing boards.
- ❖ PROVIDE AND INSTALL NEW:
 - Paint room in its entirety. Patch gypsum wallboard holes, scratches, and cracks as necessary to achieve level 4 finish. Match existing wall texture. Paint both sides at all new wall locations. Paint according to specifications.

ROOM 105C:

- ❖ PROVIDE AND INSTALL NEW:
 - Provide and install a grounding bar. Tie into existing building grounding system.

ROOM 119:

- ❖ REMOVE:
 - Remove vinyl tile and wall base. Prepare floors & walls for new finishes.
- ❖ PROVIDE AND INSTALL NEW:
 - Provide and install new carpet tile and rubber base. Repair damaged gypsum wall board backing (if necessary) before installing new base.
 - Paint room in its entirety. Patch gypsum wallboard holes, scratches, and cracks as necessary to achieve level 4 finish. Match existing wall texture. Paint both sides at all new wall locations. Paint according to specifications.

ROOM 120:

- ❖ REMOVE:
 - Remove vinyl tile and wall base. Prepare floors & walls for new finishes.
 - Remove existing VAV box and prepare location and components for new VAV box.
 - Remove existing four (4) diffusers, four (4) 9" round ducts and prepare for new diffusers and ducts.
- ❖ PROVIDE AND INSTALL NEW:
 - Provide and install new carpet tile and rubber base. Repair damaged gypsum wall board backing (if necessary) before installing new base.
 - Paint room in its entirety. Patch gypsum wallboard holes, scratches, and cracks as necessary to achieve level 4 finish. Match existing wall texture. Paint both sides at all new wall locations. Paint according to specifications.
 - Provide and install a new VAV box with twenty five hundred (2500) cfm maximum and nine hundred and eighty five (985) cfm minimum. New VAV reheat coil to have 2.1 gallons per minute flow rate at 180° Fahrenheit entering water temperature and 150° Fahrenheit leaving water temperature. Provide 14" round duct from main trunk duct to new VAV box. Connect new VAV box to existing controls system.
 - Provide and install four (4) 10 inch neck square diffusers, four (4) 9 inch round metal ducts and one (1) 10 inch by 10 inch return air grill in addition to existing air grill.

ROOM 123:

- ❖ REMOVE:
 - Remove wall base, prep floor for new modular carpet tile and rubber wall base, millwork and sink to remain.
- ❖ PROVIDE AND INSTALL NEW:
 - Provide and install modular carpet tile and 6" rubber wall base. Repair any damaged gypsum wall board backing before applying tile base.
 - Paint room in its entirety. Patch gypsum wallboard holes, scratches, and cracks as necessary to achieve level 4 finish. Match existing wall texture. Paint both sides at all new wall locations. Paint according to specifications.

ROOM 141:

- ❖ REMOVE:
 - Remove carpet and wall base. Prepare floors & walls for new finishes.
- ❖ MODIFY EXISTING:
 - Relocate millwork and solid surface top. Modify millwork to remove "boxed" countertop support from outside edge. Modify solid surface top to provide new extended service counter at new service window.
 - Relocate supply duct and grill.

- Modify ceiling grid to accommodate new walls.

PROVIDE AND INSTALL NEW:

- Provide and install new carpet tile and rubber base. Repair damaged gypsum wall board backing (if necessary) before installing new base.
- Paint room in its entirety. Patch gypsum wallboard holes, scratches, and cracks as necessary to achieve level 4 finish. Match existing wall texture. Paint both sides at all new wall locations. Paint according to specifications.
- Provide and install new solid surface service counter. Contractor to provide Manufacturers Premium colors, textures, and styles for contracting representative's selection.
- Provide and install hidden supports integral to new wall for service counter.
- Provide and install new wall to 6" above lay-in acoustical ceiling. Brace new wall to structure above every 24"oc.
- Provide and install new door with heavy duty hardware.
- Provide and install light switch for existing light fixtures.
- Provide and install motion activated switch in corridor outside of room 141. Tie into existing system.

ROOM 147:

❖ **PROVIDE AND INSTALL NEW:**

- Provide 120v duplex outlet in junction box above ceiling. Final location to be field determined.
- Provide and install projector mounting system equal to Chief Suspended Ceiling Projector System (Load Up to 35 lb, White) Model number - B&H # CHSYCHSAUW MFR # SYSAUW with all necessary structural modifications to accommodate new mount.

ROOM 150:

❖ **REMOVE:**

- Remove and reinstall modular furniture to include disconnecting power to cubicles.
- Prepare walls for new finishes.
- Note per Customer (Government): Contractor is not to remove existing marker boards. Patch, prepare, prime and paint around perimeter of existing boards.

❖ **PROVIDE AND INSTALL NEW:**

- Paint room in its entirety. Patch gypsum wallboard holes, scratches, and cracks as necessary to achieve level 4 finish. Match existing wall texture. Paint both sides at all new wall locations. Paint according to specifications.

ROOM 154/156:

❖ **REMOVE:**

- Remove approximately twenty one (21) square feet of concrete masonry units (CMU) to accommodate new solid core wood door and hollow metal frame.

❖ **MODIFY EXISTING:**

Modify existing CMU by providing structural steel 4" x 4" angle to serve as lintel for new door fenestration.

❖ **PROVIDE AND INSTALL NEW:**

- Provide and install one (1) hollow metal door, one (1) hollow metal frame, and heavy duty door hardware to include continuous hinge, 34" high stainless steel kick plate, mortised lever lockset with 7-pin interchangeable core, and heavy duty door closer with stainless steel metal cover plate.

ROOM 155/168

❖ **REMOVE:**

- Remove approximately twenty one (21) square feet of concrete masonry units (CMU) to accommodate new solid core wood door and hollow metal frame.

❖ **MODIFY EXISTING:**

Modify existing CMU by providing structural steel 4" x 4" angle to serve as lintel for new door fenestration.

❖ PROVIDE AND INSTALL NEW:

- Provide and install one (1) hollow metal door, one (1) hollow metal frame, and heavy duty door hardware to include continuous hinge, 34" high stainless steel kick plate, mortised lever lockset with 7-pin interchangeable core, and heavy duty door closer with stainless steel metal cover plate.

ROOM 158:❖ REMOVE:

- Remove all existing 2x2 fixtures & prep grid for 2x4 fixtures.

❖ PROVIDE AND INSTALL NEW:

- Provide and install new 2x4 fluorescent light fixtures. Install new fixtures on same circuits as existing 2x2 fixtures to include fixtures on generator backup circuit. Fixtures on generator backup circuit to be compatible with the generator circuits.
- Provide 120v duplex outlet in junction box above ceiling. Final location to be field determined.
- Provide and install projector mounting system equal to Chief Suspended Ceiling Projector System (Load Up to 35 lb, White) Model number - B&H # CHSYCHSAUW MFR # SYSAUW with all necessary structural modifications to accommodate new mount.

EXTERIOR (SITE):❖ PREPARATORY WORK:

- The contractor shall provide security prior to removing any fence. Fencing may only be removed once approved by Security Forces and at no time will the area be left unsecured. Temporary fencing will be required for sections taking longer than a day to replace. At no time shall the area be left unsecure. Temporary fence plans will be developed and submitted prior to work beginning.

❖ REMOVE:

- Remove approximately eighty (80) linear feet of existing Gauntlet Impasse Fence in two (2) locations.
- Remove all posts; where posts are not able to be removed, ground posts to 4" below grade and prepare area for new paving.
- Remove approximately twenty eight hundred (2800) square feet of existing concrete pad, drive, and sidewalk at north east front of building. Contractor to create template of existing pavement signage prior to removing/disturbing.

❖ MODIFY EXISTING:

- Repair all pavement where fencing has been removed.
- Re-pave all disturbed areas.
- Re-sod all disturbed areas unless noted otherwise on drawings.

❖ PROVIDE AND INSTALL NEW:

- Provide pavement signage to match existing in both entrance gate locations. Contractor to create template of existing pavement signage prior to removing/disturbing.
- Provide and install approximately fifty (50) linear feet of 8' Gauntlet Impasse Fence, provide and install a 30' PassPort IS (High Security) Gauntlet Swing Gate with a 48" pedestrian gate in compliance with Drawing C1.0 at the northwest side of building 4221.
- Provide and install approximately one hundred and forty (140) linear feet of 8' Gauntlet Impasse Fence, provide and install a 30' PassPort IS (High Security) Gauntlet Swing Gate with a 48" pedestrian gate in compliance with Drawing C1.0 at the north side of building 4221.
- Provide and install heavy duty weatherized cypher locks on all new exterior gates.
- Provide and place new concrete footings as shown and detailed on Drawings;
 1. Footings to be located as shown on Drawings – exact location to be site determined.
 2. Provide reinforcing steel as shown – steel to be tied in place and supported on chairs intended for such purpose.

3. Concrete to be 3000#, read-mix – machine vibrate during placement.
 4. Anchor bolts to be located and supported firmly during concrete placement operations by means of plywood templates.
 5. Form all pedestals from new, clean #2 lumber or "N" surface plywood – stiffen as required to eliminate all bowing or deflections.
 6. Top of all pedestals to be at elevation 0.0' (assumed) – see Drawing.
 7. *Dig permit required -provide three weeks' notice to Construction Manager for this Work.*
- Provide and place new concrete slab as shown and detailed on Drawings:
 1. Slab to be sized, shaped, and sloped as shown on drawings.
 2. Prepare site for new slab.
 3. Scrape earth as required to provide proper contours and slope.
 4. Compact all earth to min. 95% maximum density.
 5. Trench at perimeter to provide turndown as indicated on Drawings.
 6. Place all specified reinforcing as shown – support all rebar on chairs intended for this purpose.
 7. Lap all mesh minimum 2 grid.
 8. Finish with light broom finish and score as indicated.
 9. Provide expansion joint at all adjacent concrete.
 - Provide and erect new pre-engineered steel building of dimensions and descriptions shown on Plan and described herein:
 1. Pre-engineered building and components must be manufactured and supplied by company that is a current member in good standing of the Metal Building Manufacturer's Association.
 2. Structure shall be rigid frame, clear span type utilizing columns, beams, and purlins of dimensions and depths as required to meet all design loads and parameters.
 3. Frame shall be factory primed before shipment.
 4. Purlins shall be sized and spaced to meet all indicated design loads.
 5. Provide diagonal rod bracing at roof plane as required.
 6. Roofing shall be standing se11m type with hidden fasteners. Roof assembly shall comply with UL580 Class 90 for wind uplift; Roofing to have baked on factory applied finish with 20 year warranty against fading, chalking, blistering or other finish defects.
 7. *Provide factory chart for color selection*
 8. Fabrication and erection must follow procedures as spelled out in MBMA's "Metal Building Systems Manual".
 9. Design loads will be shown on Drawings.
 10. Provide shop drawings showing plan, elevations, sections, details and attachments.
 - Shop Drawings must be submitted and approved before beginning manufacture;
 1. Provide anchor bolt layout and indicate all reactions, both horizontal and vertical.
 2. Provide all accessories and fasteners as required for a complete and proper installation.
 3. Rigid frame structure to be painted with two finish coats acrylic paint, applied before installation of roofing. Color and sheen to be selected. Mask adjacent areas thoroughly **–allow no overspray.**
 4. Provide and install gutter at low edges of roof -provide and install 2 downspouts each side – gutter and downspouts to be from painted aluminum.
 5. All Drawings and Specifications released for manufacture shall carry the seal of a professional structural engineer registered in the State of Mississippi.

❖ LIST OF ATTACHED SPECIFICATIONS:

01 30 00	SUBMITTALS
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02 61 30	ASPHALT PAVING
03 12 00	EARTHWORK
03 30 00	CAST IN PLACE CONCRETE
05 40 00	LIGHT GAUGE METAL FRAMING
06 65 00	SOLID SURFACE FABRICATIONS
07 20 00	INSULATION
07 92 00	JOINT SEALANTS
08 11 13	STEEL FRAMES
08 11 16	INTERIOR ALUMINUM DOORS, FRAMES AND PARTITIONS
08 20 00	WOOD DOORS
08 58 00	ALUMINUM SLIDING SERVICE WINDOW
08 71 00	DOOR HARDWARE
09 25 50	GYPSUM BOARD ASSEMBLIES
09 51 10	ACCOUSTICAL PANEL CEILINGS
09 65 13	RUBBER WALL BASE
09 65 50	RESILIENT ACCESSORIES
09 68 13	TILE CARPETING
09 91 00	PAINT
09 93 23	STAINS AND TRANSPARENT FINISHES
16 00 00	GENERAL PROVISIONS – ELECTRICAL
16 11 00	RACEWAYS
32 31 00	HIGH SECURITY STEEL ROLL GATES
32 31 01	DECORATIVE FENCE PRODUCTS

- 1.2 **SCHEDULING:**
 Scheduling of all work shall be coordinated and approved by the 81 CONS Contracting Officer prior to the start of any work.

- 1.3 **COMPLETION TIME:**
 The completion date for this project is 120 calendar days from the notice to proceed. Final closeout shall occur no less than 5 working days from the Completion Date. Punch list items noted in the final closeout shall be fixed before the end of the Period of Performance or the project will be considered past due.

- 1.4 **WORKING CONDITIONS:**
 The Contractor shall take all necessary and prudent safety precautions to ensure the safety of the workforce and other exposed personnel.

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1.5 **BUILDING OCCUPANCY:**

The building area involved will not be vacant, adjacent rooms will be occupied. Sound and dust barriers will be required at all openings into occupied spaces.

1.6 **MAINTENANCE OF TRAFFIC FLOW:**

Work performed under this contract shall be planned to minimize disruption to normal traffic flow. Partial or complete interruption to normal traffic flow shall be approved by the Contracting Officer. Barricades shall be utilized where necessary to properly route vehicular or pedestrian traffic.

1.7 **UNDERGROUND/ EXISTING UTILITIES:**

Protect all active utilities. Any damage to existing utility lines caused by the Contractor will be the Contractors responsibility to repair.

1.8 **HAZARDOUS ELECTRICAL EXPOSURE:**

Provide Safety protection and precautions for any electrical exposure. Temporary lighting shall have metal cages around the lamp and shall be turned off when not in use and no fire watch is present.

1.9 **PERMITS:**

Contractors will be required to obtain permits as required by Keesler in the performance of their work. Contractors shall post or have readily available all permits before work is commenced

The following permits must be obtained anytime referenced work is required.

Dig Permit , 81 CONS
Burn Permit, Keesler AFB Fire Department
Confined Entry Permit, Certified Personnel, obtain permit from 81 CONS project management personnel or safety office. Notification to fire department of actual day and time work is accomplished.

1.10 **WORKING HOURS:**

Work performed shall be during normal work hours defined as 7:00 am - 5:00 pm Mondays – Fridays.

The following are legal holidays:

New Year's Day
Martin Luther King, Jr's Birthday - Third Monday in January
President's Day - Third Monday in February
Special Olympics- Thursday through Sunday of First NON-Training weekend in May
Memorial Day - Last Monday in May
Independence Day
Labor Day - First Monday in September
Columbus Day - Second Monday in October
Veteran's Day
Thanksgiving Day
Christmas Day

No work shall be accomplished outside of the normal base working hours, on weekends, or on federal holidays without the prior written approval of the Contracting Officer, or as required by project requirements. Approval shall be requested at least 10 days in advance of the unusual hours. However, the Contracting Officer may require certain work to be performed outside of normal working hours in order to minimize disruption of base functions and activities.

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- 1.11 **SPECIFICATIONS:** All accessories or incidental items not specifically shown and detailed in the specifications herein, which are necessary and/or required to complete the work within the intent of the specifications, shall be included by the Contractor without additional cost to The Government.
- 1.12 **MATERIAL DELIVERY AND STORAGE:**
- 1.12.1 **Material:** The materials, products, and equipment described in the Bidding Documents establish a standard of required function, dimension, appearance, and quality to be met by any proposed substitution. Equals can be substituted provided they meet all standards of the originally specified product. The Contractor shall make every effort to submit model numbers, data sheets, drawings, and any other information required to compare products prior to submitting a bid. Additionally, any changes required to the Scope of Work (and their associated costs) due to a substitution shall be the responsibility of the Contractor and shall be documented with the submittal.
- 1.12.2 **Delivery:** The Contractor shall have all materials for his work delivered during normal working hours or shall have a representative present to receive shipments. The contractor should be particularly aware that all delivery vehicles must have sufficient information to locate project site. This includes name and address of the project site and name of prime contractor and a point of contact for delivery.
- 1.12.3 **Storage:** The Contractor shall be responsible for the storage of all material and equipment. All items shall be properly stored to maintain their original condition until actually installed.
- 1.13 **REPAIR OF GOVERNMENT -OWNED FACILITIES:**
In order to complete the work on this job, certain Government -owned facilities may have to be removed or altered in some way and others may be inadvertently damaged. It is the responsibility of the Contractor to return these facilities to a condition acceptable to the Contracting Officer.
- 1.14 **UTILITIES:**
All reasonable amounts of electricity and water required for the completion of this project will be furnished to the Contractor without charge from existing Government facilities where feasible.
- 1.15 **INTERRUPTION OF UTILITY SERVICE:**
Interruptions to utility services shall be minimized. Necessary outages shall be coordinated with the Contracting Officer a minimum of 3 weeks in advance of the planned outage.
- 1.16 **TEMPORARY SANITARY FACILITIES:**
If portable sanitation units are called for in this project, they shall be supplied by the contractor. This includes maintenance, transportation to and from job site, secure placement of unit as not to obstruct normal public activity, and unit clean-out as needed. The type units provided and the placement location(s) shall be approved by the Government Contracting Officer.
- 1.17 **STORM DAMAGE:**
Should warnings of winds of gale force or stronger be issued, the Contractor shall take every practical precaution to minimize danger to persons and damage to property. These precautions shall be coordinated through the Government Contracting Officer and shall include closing all openings; removing all loose materials, tools, and equipment from exposed locations; as well as removing or securing scaffolding and other temporary work. Contractor will follow Keesler AFB requirements for Hurricane Conditions in force.

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1.18 **SAFETY:**

The Contractor shall observe all Safety, Security, Traffic and Fire regulations presently enforced at Keesler Air Force Base. And comply with latest issue of OSHA requirements. Contractors shall comply with the Occupational Safety and Health Act (OSHA, Public Law 91-596) and the resulting standards, OSHA Standards 29 CFR 1910 and 1926. The detailed provisions of the act for accident prevention are directly applicable to all Contractor operations. Prime Contractors are also responsible for ensuring any sub-contractors also adhere to OSHA Guidance. OSHA compliance officers can visit Contractor worksites on the installation.

1.18.1 Contractors are responsible for ensuring all industrial safety provisions are followed.

1.18.2 Contractors must report all accidents involving Air Force people, property, or equipment damage, and any Contractor personnel injured in the performance of the Air Force contract to the Contracting Officer.

1.18.3 Take immediate corrective action to comply with safety regulations if informed of a violation by the Contracting Officer.

1.19 **CONSTRUCTION:**

1.19.1 **Material:** All material furnished by the Contractor for this job shall be new and unused material of high quality.

1.19.2 **Cleaning:** The Contractor shall maintain the premises, including any staging area or storage areas, free from accumulations of waste, debris, and rubbish caused by the Contractor's work and shall minimize the spread of dust and flying particles. As work is completed, or at the end of each day, the site shall be cleaned and all waste material shall be properly disposed of.

1.20 **JOBSITE MAINTENANCE AND STORAGE AREAS:**

The contractor shall maintain the jobsite and staging areas in conformance with Keesler standards.

1.20.1 Lay down/staging areas shall be kept neat and free of loose debris at all times. Grass shall be cut and maintained regularly. Height and maintenance shall be consistent with normal Base standards and consistent with the immediate area.

1.20.2 Jobsites and lay down/staging areas shall be enclosed with a 6' chain link fence with brown fabric screening. Materials and equipment may be stored inside storage units. Items stored in the lay down area shall be arranged neatly.

1.20.3 All temporary storage trailers and storage containers shall present a neat and clean appearance and shall be in a state of good repair and shall be located within the fenced area described in paragraph above.

1.20.4 If allowed by the contract and if approved by the Government Contracting Officer, an office mobile unit may be located outside of a fenced area. At a minimum, this unit shall be in a paved area and shall present a neat, professional appearance. Unit shall be of Keesler standard colors, shall have presentable skirting and access stairs. Ancillary items, such as porches and canopies, shall be neat and painted Keesler brown. Contractor shall submit a picture of the proposed unit for approval and before unit is moved to Base.

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1.20.5 Execution of work may require excavation or other type of work both at and away from primary work area. These areas shall be secured and work times shall be kept to a minimum. Open excavations shall be directly in progress or shall be covered directly after work complete. Open excavations requiring extended period of inactivity shall be temporarily backfilled. In no case shall an excavation be open for more than 72 hours. Barricades, fences and other warning devices shall be maintained neatly at all times.

1.21 **PHASING:**

The work on this job shall be divided into three phases. These phases are described following:

Phase I - Submittals: All submittal documentation shall be received by 81 CONS during this phase. No work, including mobilization, shall commence until after approval by the Contracting Officer of all submittals and notice to proceed for phase II has been issued.

Phase II - Construction: All construction work shall be performed during this phase. The period of performance shall begin upon the contractor's receipt of a written notice to proceed for this phase.

Phase III - Punch list: All punch list items noted during the final inspection of phase II shall be completed during this phase.

1.22 **SUBMITTALS:**

Submittals shall be provided as outlined in these specifications. At a minimum all major materials used shall be submitted for documentation which shall include the manufactures pre-printed cut sheets showing all salient qualities of the items specified. The contractor shall highlight the pertinent salient characteristics with a brightly colored transparent marker. ***All submittal documents received that do not clearly delineate and display the information which is being submitted will be returned to the contractor.*** The contractor shall ensure that pertinent information showing compliance with the drawings and specifications is shown on the documents submitted.

The Contracting Officer's approval or acceptance of submittals is not to be construed as a complete check, and indicates only that the general method of construction, materials, detailing and other information are satisfactory, to meet the Solicitation and Accepted Proposal. Approval or acceptance will not relieve the Contractor of the responsibility for any error which may exist.

Approval of a sample is only for the characteristics or use named in such approval and is not be construed to change or modify any contract requirements. Approval of the Contractor's samples by the Contracting Officer does not relieve the Contractor of his responsibilities under the contract.

No scheduled payments shall be made prior to the acceptance and approval of all submittals, including a project schedule, by the Contracting Officer and Construction Manager.

List of Specific submittals required for this project in addition to the materials submissions:

- Any and All submittals deemed necessary by the Design Engineer and Contracting Officer
- Schedule
- Asphalt Paving
- Earthwork
- Cast in Place Concrete
- Light Gauge Metal Framing
- Insulation
- Joint Sealants
- Steel Frames
- Interior Aluminum Doors, Door Frames and Partition Frames with Glazing

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- Wood Doors
- Aluminum Sliding Service Window
- Door Hardware
- Gypsum Board
- Tile and Accessories
- Resilient Accessories
- Acoustical Panel Ceilings
- Rubber Wall Base
- Tile Carpeting
- Paint
- Stains and Transparent Finishes
- Raceways
- Lighting
- High Security Roll Gates
- All Fencing Products

1.23 **INTERUPTION OF MECHANICAL, ELECTRICAL, PLUMBING SERVICE:**

Interruptions to any mechanical, electrical or plumbing services shall be minimized. Necessary outages shall be coordinated with the Construction Manager a minimum of 3 weeks in advance of the planned outage. The Contractor shall fill out a "Utility Service Outage Request Form" and submit it to the CM. The CM may require the contractor to attend a coordination meeting to assess the purpose, intent, and impact of the outage request with the facility and any or all operations departments. Contractors shall not shut-down or start-up any mechanical, electrical or plumbing system without the coordination and/or permission of the CM.

1.24 **INCLEMENT WEATHER:**

The performance period for this project has incorporated allowances for inclement weather. The basis for determining this allowance is shown as follows

<u>Month</u>	<u>weather days</u>
January	3
February	4
March	3
April	3
May	3
June	2
July	2
August	2
September	3
October	3
November	4
December	4

For the purposes of this contract, weather days shall be defined as a working day in which work cannot be effectively performed due to inclement weather. If the number of weather days in any given month exceeds the planned number shown in the table, the performance period will be extended on a one for one basis upon request and approval by the Contracting Officer. For consideration, this request shall be submitted monthly with the progress report. All requests should identify all weather days in that month.

1.25 **RECYCLED CONTENT AND BIO BASED PRODUCTS:**

Executive Order 13514 dated 5 Oct 09, outlines the federal government's special responsibility to lead the way in building markets for recycled goods. Green procurement is the name given by the Air Force to this buy-recycled purchasing program. The intent of the program is to stimulate recycling by providing a market for new products manufactured with bio based or recycled materials. The legal authority for the Green Procurement Program comes from the Resource Conservation and Recovery Act (RCRA) Section 6002. It requires federal agencies to give preference in their purchasing programs to products and practices conserving and protecting natural resources and the environment. If applicable, material and product submittals for all recycled-content items should list the recycled and recovered materials used and the percentage content (by weight). Submittals for bio-based products should describe the bio-based materials used and the percentage content (by weight). This data is required to be submitted by the subcontractor on an AF Form 3000 (Material Approval Submittal) to the Contracting Officer upon completion of performance (construction).

1.26 **ENVIRONMENTAL PROTECTION:**

Contractor personnel shall, at all times, perform all work and take such steps required to prevent any interference or disturbances to the ecological balance of the environment. All work must be performed in accordance with applicable Federal, State, Local, and Air Force environmental regulations. Use good management practices to protect air, water, land and wildlife and to prevent noise, solid waste, radiant energy, dust and radioactive pollutants. In the event of a chemical or hazardous material spill, the contractor must immediately notify the Keesler Fire Department at 911 (identify that you are located on Keesler AFB) and the Government's environmental representative at 228-377-1262.

1.27 **WASTE MATERIALS:**

Unless otherwise specified, all waste materials, excess dirt and rubble, empty containers, etc., shall be disposed of at an approved off-base location in accordance with all applicable Federal, State, County and Municipal laws.

1.27.1 Solid Waste Management:

- Designate individuals on the contractor's staff who are responsible for Construction and Demolition (C&D) waste prevention and management.
- Develop procedures for collecting and storing C&D waste on project sites, including designating locations for waste containers, sorting or separating methods, handling and transporting of wastes, special handling requirements, and scheduling for waste and recycling collection.
- Develop descriptions of how the C&D materials will be recycled or reissued. The information should include any on-site storage and processing areas and a description of the processing and equipment.
- Records shall be maintained for all C&D projects to document the quantity of waste generated; the quantity of waste diverted through sale, reuse, or recycling; and the quantity of waste disposed by land filling or by incineration.
- Contractors shall provide these records to the Contracting Officer in accordance with contract requirements.
- In accordance with Executive Order 13514, Keesler AFB will divert 60% of all C&D waste.
- Manage solid waste in accordance with the Keesler AFB Integrated Solid Waste Management Plan.

- For any questions regarding solid waste, please contact CEV at 228-377-1262.

1.28 **HAZARDOUS MATERIALS:**

In the event that hazardous materials will be used in the execution of this contract, the contractor will be required to provide a list of materials, quantities, and Safety Data Sheets (SDS) to the Contracting Officer before work begins. The hazardous materials must be approved through the Keesler Hazardous Materials Management Program prior to being brought onto Keesler AFB. This approval process may take up to two weeks, which should be considered in the performance period of this contract. Unless otherwise specified, all unused hazardous materials should be removed from the base at the end of the project.

1.29 **STORM WATER MANAGEMENT:**

If ground disturbing activities will take place as part of this project, the following items must be completed:

- For any construction activity greater than 5,000 square feet of ground disturbance, the contractor shall comply with all provisions of the Energy Independence and Security Act (EISA) concerning storm water run-off from Federal development projects.
- The construction contractor shall complete all paperwork necessary, including the Storm Water Pollution Prevention Plan (SWPPP) to apply for the appropriate Large (>5 acres) or Small (>1 acre but <5 acres) Construction Storm Water General Permit (Permit) from the Mississippi Department of Environmental Quality (MDEQ).
- The contractor shall furnish CEV copies of the Permit application, SWPPP, Permit, confirmation letter from the MDEQ and any other pertinent storm water information related to the project.
- The initial storm water permit application and original SWPPP shall be submitted to CEV for review and comment prior to or at the time of submittal to the MDEQ.
- The contractor shall comply with all provisions of the Permit throughout the duration of the project.
- Any construction site/land disturbance activity greater than 20,000 sq/ft, but < 1 acre shall have a SWPPP prepared and approved by CEV prior to construction or implementation of the land disturbance activity.
- The contractor shall ensure that effective BMPs are utilized in areas of imported fill material, including, but not limited to, bench tests or other testing methods of potential imported backfill sediment run-off for proper BMP selection.
- The Keesler AFB Small Municipal Separate Storm Sewer System (MS4) Permit requires Keesler AFB to maintain a file for each construction site. The file must contain the storm water training credentials of all contractor personnel involved in storm water management at each construction site. The contractor shall furnish CEV copies of storm water training credentials for all pertinent employees prior to commencement of construction activities. CEV training information is available to the contractor.
- The contractor shall modify the SWPPP at any time to ensure the SWPPP is current with the existing site conditions at any time for the duration of the project.

The contractor shall maintain all appropriate post construction storm water Best Management Practices (BMPs) until final site stabilization is achieved

1.30 REQUIRED ASBESTOS ABATEMENT AND MANAGEMENT PROCEDURES:

These steps are in accordance with Air Force Instruction (AFI), EPA, and MDEQ. OSHA regulations govern all worker safety requirements and must be complied with at all times by contractors and subcontractors. These requirements are summarized in the Keesler Air Force Base Asbestos Operations and Management Plan.

1.30.1 The following steps are required by all personnel or contractors doing work on Keesler Air Force Base.

- If the personnel or contractor encounters what they think may be asbestos, they are required to **stop** and call the KAFB Asbestos Point of Contact (APOC) at the Keesler Environmental Section, which is Janet Lanier at 228-377-1262 or EMCS after hours.
- Once it is determined by the APOC that asbestos is present, the following actions described below are required (Only the APOC and Bioenvironmental are certified to make that determination).

NO ABATEMENT WORK IS TO BEGIN WITHOUT WRITTEN APPROVAL FROM THE APOC.

A Mississippi State certified asbestos abatement contractor must be used to conduct the abatement. Please note that non-friable asbestos can easily be made friable and become regulated.

1.30.2 Before: The following documents must be submitted to the Asbestos POC and approved in writing before abatement can begin:

- 10 Day MDEQ notification and return acknowledgment letter
- Asbestos Hazard Abatement Plan (to be certified by a Mississippi Certified Management Planner and/or Certified Industrial Hygienist)
- Asbestos Work Plan (scope of work, removal procedures, worker protection, air monitoring, disposal location, containment procedures)
- MDEQ Asbestos Abatement Certification for the Company
- Supervisor's qualifications and state certification
- CURRENT State Certifications (applications will not be accepted) for all individuals working on site
- Respirator fit tests for all individuals
- Physicals for all individuals

1.30.3 During: Once the submittals are approved in writing, the following actions are required.

- The contractor is required to set up their containment areas, negative air machine, and critical barriers and obtain approval from the Asbestos POC to begin work.
- The Asbestos POC routinely checks the abatement work to ensure that the containment area and critical barriers are secure, that the workers are wearing the appropriate personal protective equipment that the asbestos-containing material is being bagged appropriately, and that air monitoring is being conducted on the workers and outside the abatement area. This also includes reviewing the daily log maintained on site to assure that no uncertified individuals are performing abatement work.

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- Upon completion of the abatement work, the contractor contacts the Asbestos POC to conduct a walk-through of the area and approve that all abatement has been completed and that the area has been cleaned of asbestos fibers. This action will require at least a 24-hour period. Please reference cleaning procedures in the Asbestos Management and Operations Plan.
- Air sampling results are required to be collected and submitted for approval by the Asbestos POC before the containment area, negative air machine, and critical barriers can be removed.
- All asbestos waste must be handled and disposed of in accordance with State law. The Asbestos POC must review the waste prior to leaving the base and the manifest will be signed by a designated Keesler government representative. Contractors will not sign manifests for asbestos containing material (ACM).

1.30.4 After: After the abatement has been complete and approved by the Asbestos POC, the contractor shall submit the following items in a post-job submittal to be maintained in the Asbestos Abatement Files.

- Air sampling results
- Daily report logs
- Daily worker sign in/out sheets
- Waste manifest (Generator Copy)

The Asbestos POC and Environmental Section (CEV) are available at any time to provide asbestos awareness training and consultation to project managers, contractors and subcontractors **prior** to beginning the project.

1.31 REQUIRED LEAD-BASED PAINT MANAGEMENT PROCEDURES:

The purpose of these instructions is to provide guidance to safely remove or encapsulate lead-based paint without causing a hazard. All work must be performed in accordance with OSHA, MDEQ and any local regulations for all work and disposal. The regulations are divided into two parts; a) lead-based paint on non-child occupied/non-target housing buildings and b) child occupied/target housing buildings.

Appropriate OSHA worker protection is the responsibility of the employer. All projects will be monitored and inspected by CEV.

1.31.1 Non-child occupied/ commercial buildings.

- For non-child-occupied/commercial buildings, the minimum requirement for contractors is to protect workers IAW OSHA requirements, use poly lay-down to collect paint chips, and turn into CEV for disposal. At minimum the supervisor of the project should be LBP trained and supply proof of certification before work begins. The contractor shall notify CEV before start of any project. Contractor must place plastic on the ground sufficient to capture all loosened paint chips and control water run-off. Removal methods preferred at Keesler AFB are the use of an approved chemical stripper or wet sanding methods for better collection of LBP chips and waste. These processes minimize lead dust and allow

- for maximum collection of LBP chips.
- The contractor shall meet with CEV prior to beginning the project to discuss protective measures, best management practices (BMP's), any landfill disposal, and maintenance of chips and their collection (until they are turned over to CEV).
- Any buildings with lead-based paint, if bead blasted to remove old paint, shall be supervised by a contractor with proper training. Bead blasting upon prior approval only (see preferred method above).
- The contractor, under OSHA rules, must comply with the lead based paint rules (including notification to CEV, if the job is abatement), certify appropriate training, and maintain personal monitors on workers until it is demonstrated there is no airborne lead risk.
- CEV will inspect all projects involving Lead Based Paint removal and any required documentation must be provided to CEV prior to beginning work.

1.31.2 Child-occupied/target housing buildings

- Any child-occupied/target housing building older than 1978 must be painted using Lead Paint Protocol, including poly-lay-down, collection of paint chips, and the contractor must always have a minimum of lead hazard training for all workers. The contractor shall notify CEV before start of any project.
- A paint contractor must collect paint chips in their own clean buckets and have CEV dispose (if contract requires CEV dispose). Contractor must place plastic on the ground sufficient to capture all loosened paint chips and control water run-off.
- For work on child-occupied/target housing buildings falling under the Lead Paint Protocol, the contractor must use water or amended water when scraping or chipping. All members of the contractor's work force must wear protective clothing and comply with all OSHA rules and regulations. OSHA regulation compliance is the employer's responsibility and is subject to inspection by OSHA and the Base. Suggested PPE include foot protection (ex. Rubber Boots) worn while on the poly. All PPE shall be stored on the protective plastic when not in use and shall be decontaminated or disposed of in an approved manner. Minimum respiratory protection for any OSHA "trigger task" such as scraping, manual sanding, demolition, heat gun and power tool cleaning is a half-mask air purifying respirator (APR) with HEPA filter that is at least 99.97 percent efficient (i.e. P100). APR fit tests evidence must be provided for inspection. Other circumstances may warrant higher protection. PPE determination is the responsibility of the contractor.
- The contractor shall meet with CEV prior to beginning the project to discuss protective measures, best management practices (BMPs), any landfill disposal, collection and storage of chips (until they are turned over to CEV, if contract specifies CEV dispose).
- Full abatements on "child occupied/target housing" buildings such as removal of paint to substrate, encapsulation, enclosure, removal and/or removal/replacement of components, or soil removal/covering require fully trained/certified companies, workers, and supervisors, as well as six (6) prior work-days notification to MDEQ. CEV must be provided copies of and verify the 6-day notice, all Mississippi state certifications, copies of medical examinations, and copies of respirator fit tests before beginning any job.

All required documentation must be provided to CEV prior to work beginning.

1.32 SECURITY REQUIREMENTS:

1.32.1 Contractor Notification Responsibilities: The Contractor shall provide a written notification to the Contracting Officer who will establish coordination with the applicable Sub-Contractor Technical Monitor. The notification shall include:

- The names and contact information (address, phone number, and email) of a minimum of two Contractor representatives (preferably the contracting agent and the project supervisor) that will be responsible for this project and have 24 hour contact availability to

answer any questions or address any issues that may arise that are related to this project.

- Length of time for the contract and/or duration that the employee will be performing work
- Full name of Contractor employees assigned to work this project and their employment status (Full-time/Part-Time/Temporary) of employee with the Contractor.
- The last six digits of the Social Security number for each employee assigned to work this project.

The above information will immediately be updated by the Contractor as changes occur during the duration of this contract and provided to the Contracting Officer.

1.32.2 Base Pass and Identification Items: The Contractor shall ensure the following pass and identification items required for the contract performance period are obtained for employees and their use of non-government owned vehicles:

- For vehicle operators: 1] Current driver license for each employee in support of work on KAFB. Individuals will no longer be able to access Air Force installations with a state-issued identification card or driver's license from Minnesota, Missouri, Washington or American Samoa
2] Vehicle Registration and Proof of Insurance
- For non-vehicle operators:
Employee identification: Current driver license, official ID card, or passport. Individuals will no longer be able to access Air Force installations with a state-issued identification card or driver's license from Minnesota, Missouri, Washington or American Samoa.

1.32.3 Security Reporting Requirements: The Contractor shall comply with AFI 71-101, Volume-1 Criminal Investigations, and Volume-2 Protective Service Matters, requirements. Employed personnel shall report to an appropriate authority, any information or circumstances of which they are aware may pose a threat to the security of DOD personnel, their employees, resources, and classified or unclassified defense information. Each employee shall be briefed by their supervisor upon initial on-base assignment and provided updates as required.

1.32.4 Anti-Terrorism Training. Level I Anti-Terrorism (AT) Awareness Training is available upon request and will be conducted by the Installation Anti-Terrorism Officer (ATO). Contact the 81st Security Forces Squadron (81 SFS/CCA), at 228-376-6601.

1.32.5 Traffic Laws: All Contractor employees shall comply with all federal, state, local and base traffic regulations while on KAFB properties.

1.32.6 Contractor Employees: The Contractor shall ensure employees have a current and valid driver's license and commercial permits/licenses for the type of vehicle operated, before allowing the employee to operate a Contractor-owned or rental vehicle on Keesler AFB. The Contractor shall not employ persons for work on this contract if such employee is identified by the government as a potential threat to the health, safety, security, general well-being or operational mission of the installation and its population. Employees of the US Government shall not be employed if the employment creates a conflict of interest. Additionally, the Contractor shall not employ any person who is an employee of the Department of their Air Force, either military or civilian, unless such person seeks and receives approval according to the appropriate ethics regulations. The Contractor shall not employ any person who is an employee of the Department of the Air Force if such employment would be contrary to the policies in AFI 64-106 Air Force Industrial Labor Relations.

1.32.7 Vehicles: The Contractor shall provide all vehicles to perform the requirements of the contract. All vehicles shall be in operable condition and meet local, state and federal safety requirements, and be specifically designed for the purpose intended for use. Vehicles shall

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have, clearly visible on each side, the Contractor company name, a unique vehicle identification number, in addition to all required Department of Transportation (DOT) markings and information.

1.32.8 Cellular Phones: The use of cellular phones while operating a vehicle is prohibited while on Keesler AFB property.

END