

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 10
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 18-Oct-2011	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable) 11-C028
6. ISSUED BY AFGHANISTAN DISTRICT NORTH (AEN) US ARMY CORPS OF ENGINEERS OPERATION ENDURING FREEDOM APO AE 09356	CODE W5J9JE	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W5J9JE-11-R-0204	
		X	9B. DATED (SEE ITEM 11) 30-Sep-2011	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this Amendment 0002 is to issue responses to Request For Information (RFI). *****continued on page 2*****				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 18-Oct-2011

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

1. The proposal due date remain unchanged.
2. This Amendment 0002 is issued in response to Request For Information (RFI) submitted.
3. No more site visits scheduled.
4. Attachment 1 is included in this amendment and part of Amendment 0002.
5. Attachment 2 (Appendix B-4) is included in this amendment and part of Amendment 0002.
6. The following are responses to RFI's.

Question: Please provide the drawings for the Building 45c.

Response: Number 45C covers three specific structures (see C-102):

1. Wash Rack (Wash Rack #45c)
2. Fueling Point (VM03_Fuel Store & Vehicle Refueling Pt)
3. Fuel Tanks (VM03_Fuel Store & Vehicle Refueling Pt)

All of them are Site-Adapt, means we are providing a complete set of documents necessary to build them. Please see the files specified in parenthesis next to the objects. Also, with these tree car service related objects comes the Fuel Operators Building (VM04 Fuel Operators Building) shown on a drawing C-102 between Wash Rack and Fuel Station.

Question: There are two sets of DFAC drawings (B-4S-ADFAC - Standard DFAC, B-S-ADFACWdStove-Large DFAC) and there are two DFACS (DFAC No 6a & d, and DFAC No 6g) in the price schedule. Please enlighten me which DFAC is which.

Response: We have existing and new DFAC buildings.

The existing are: Bldg 6, Bldg 6a and Bldg 6d.

The new are: Bldg 6g and Bldg 6e. Please review the Drawing A-001 attached to this RFI. Building 6 undergoes demolition and rehab work after new DFAC 6g goes on line. The extent of the work is shown in drawing AD-101. Please note that the electrical, plumbing and other upgrades are not part of this contract and will be specified separately at a later time. Buildings 6a and 6d undergo certain rehab works, hence they are in schedule. Buildings 6d and 6e are Design-Build buildings. Their design is based on the existing Site-Adapt sets of drawings. The Contractor is required to use the Site-Adapt sets and our drawings attached with the full package. The set "S-A DFAC Binder Set for Wood Stove" has a very limited use -only the part for the Wood Stove Bldg 6e – please disregard everything else. The set "S-A DFAC Binder Set for Kitchen" has a kitchen part in it which must be used for the design of Bldg 6d. Again the other parts of the set are to be disregard.

Question: Does the contractor have to provide fuel to the fuel storage tanks at hand over time? If so, please specify the quantity of fuel required.

Response: The Contractor is required to provide fuel with the tanks as part of this contract.

Questions:

- What is the size and capacity of the existing Septic Treatment systems?
- Where is the septic system located?
- Will a leach field be required?
- At which location will the tie-in point to the NMAA power plant be?
- At which location the water well is situated?

Response to the questions above: These questions have nothing to do with the contract. Please notice no requirements regarding existing electrical, water and sewer capacities in regards to the compound itself. There is a separate contract which will address any shortcomings in any of the existing utility lines. Our contract takes care only about interior and in smaller percentage exterior improvements and fixes to the buildings, plus new buildings of course.

Question: Ductless and Ducted HVAC units: in which buildings will these two different types of HVAC system be used? Appendix A-1 is not exhaustive in its language and no specific buildings are addressed in the MEP&COMM Renovation list.

Response: We are having very limited upgrades regarding existing HVAC systems. All of them are listed in the MEP & COMM Matrix and in majority are limited to ceiling fans and exhaust fans.

Matrix "GENERAL WORKS "

Question: The required area for the Patch & Paint point and floors replacement

Response: Wherever the Patch & Paint mark is placed it means that all the walls and the ceilings shall be painted. As with typical existing buildings there are areas which are requiring cleaning/stripping of existing peeling old paint. Since we have not done complete inventory of the buildings and since it is obvious that the condition of the walls will most likely be different from the time we seen the site to the time the contractor will be bidding on it, the decision has been made to leave it to the prospective contractors to estimate the extend of some of the required improvements. Hence it is the contractor responsibility to calculate the areas for the bidding purpose. Again all the walls and ceilings have to be painted and damaged surfaces need to be patched and prepped before final painting. For the rough estimate we would suggest to assume 10% of the surfaces require patching. Same approach shall be made regarding the floors coverage. It is the contractor responsibility to do the field inventory at the time of the bidding in order to calculate the areas in question.

Question: Regarding Bldg 14 exterior and roof work

Response: It is the contractor responsibility to do the field inventory at the time of the bidding in order to calculate the areas in question. As a rough estimate we would advice to assume 50 % of the exterior walls need cleaning/stripping to the brick and patching with stucco. Than the walls need to be painted – the entire exterior of the building.

For the roof please assume at this time that only perimeter flashing is requiring additional work plus work specified in the drawing Bldg 14 A-03. If after the field investigation and uncovering damaged parts of the roof the extent of the work is bigger that assumed at this point the Contractor will be entitled to provide additional work request and proper contract modification will be issued if the new scope of work is accepted.

Matrix "MEP & COMM"

Question: As built drawings.

Response: USACE does not have any additional as builds. All existing plans have been provided with the contract. It is the Contractors responsibility to conduct field inventory and make a rough estimate based on the site visit and documents provided.

Question: Smoke alarms and smoke detectors

Response: It is the Contractor responsibility to calculate/design the number and location of the required smoke detectors and smoke alarms. Use NFPA Life Safety Code handbook as reference and additional references as listed in Appendix A-3 Technical References.

Question:

Please verify line item: Dining Facility No. 6a & 6d – ARE THESE THE ONLY BUILDINGS TO BE RENOVATED?

Reference Matrix - General Works:- According here Building 6 is included along with 6a and 6d, but Building 6 is not reflected in the pricing schedule.

Please advise if Building 6 is to be included together with Dining Facility 6a and 6d as is reference in Matrix – General Works.

Response:

Bldg 6 is part of this contract and should be listed in document 0010. However the work for this building is very selective and consists only of the demolition as shown on drawing AD-101. Some finishes are required in place of removed windows – Key Note 1. The additional works in a sense of interior finishes, electrical and plumbing will be part of separate contract. Any work for Building 6 can be only done after the new DFAC 6g reaches full operational capacity. The contractor will be required to repair a part of floor allowing direct route from Building 6d to Building 6a. The three wall fill outs for the wall openings are also part of this contract. Any electrical outlets on the walls to be demolished are to be removed and the lines extinguished.

Question:

Please provide the drawings for buildings 6b, 6c, 6f (B-1, page 4).

Response:

Objects/buildings 6b, 6c and 6f are not part of this contract. Sheet C-103 has incorrect hatching applied to them.

Question: Please clarify the exact location for the access driveway in the project. It is defined as the aggregate pavement from existing main ring road to the entry control point of the new motor pool area. However, the location is not shown on the C-101 master site plan.

Response: Location and detailed dimensions for the entry into the Motor Pool area is shown in Drawing C-102.

Response: POV (Privately owned vehicles) parking defined in item 2.3.3.2 in the scope of work of the subject solicitation is the same place with Motor Poll area-45. Please confirm this.

Response: This is correct. POVs listed in the document 1010 par 2.3.3.2 are part of the Motor Pool and are detailed in Drawing C-102

Question Number	Document	Section	Question	Answer
1	General		Please confirm that ANA is providing security for construction and Contractor is not responsible to manage any part of security including Badging and TB health checks, and employee background checks.	The Government will provide a response in another amendment
2	General		Please confirm that the work hours are 7 days a week and 14 hours per day	Please see the attached Appendix 1 for an answer.
3	General		Please advise if there is an acceptable dump site for debris on base or if must it be hauled off the airport property, i.e., carpet, light fixtures, masonry, and etc.	There is no acceptable dump site at the site. However, the Contractor is encouraged to make a temporary arrangements for a mobilization area and temporary storage of any type of debris. The site must be properly cleaned before the end of the project or at any time per the site Owner request.
4	RFP Standard Form 1442	13B	Please confirm that a bid bond is required for this project.	Bid bond is not required
5	Appendix A-1, Technical Specifications		Please confirm that all buildings will be unoccupied during renovation and until turnover to the end user.	That is not how the project has been scheduled. The intent is to have them emptied and allow you to have full control over particular buildings during the construction process. This approach extends also toward the immediate surrounding area allowing you unconstrained access in and out. Please review Section 1010 par. 1.9 "Sequencing" for the list of particular buildings. You can assume that every building will be unoccupied during the renovation, but once the building is finished it is possible that it will be required to be returned to the owner for his use. In practical terms it means that when the renovation for the buildings in phase 2 and particularly phase 3 will be going on the buildings finished in phase 1 might be occupied.
6	Appendix A-1, Technical Specifications	Section 01010-2.9.7	Please confirm that there is no structural repair required to any of the existing buildings	This is correct according to our findings done in June of 2011 and to the RFP requirements. It is still the responsibility of the Contractor to inform us of any findings regarding the structures of the buildings which indicate the condition of the structural integrity of any element of the building: i.e. roof, stairs, bearing wall, etc.
7	Site Visit		Please confirm that steps that have chipped masonry treads can be patched and not replaced entirely.	Yes, this is the intent of our requirements.
8	Appendix B-1, Site Plan; Appendix B-2 FP06	Sheet C-101	Please advise if personnel bunkers are required on this project as they are not shown on the site plan or specified in the SOW, however personnel bunker drawings were included in the solicitation	Personal bunkers are NOT part of this project. Please disregard the included set of drawings.

			documents.	
9	Appendix B-1, Site Plan	Sheet C-101	Please advise if new chain link fencing and gates are required for the Aviation Training Maintenance, Building No. 27.	No, it is not. Only fencing shown on sheets C-102 and C-103 is required.
10	Appendix A-1; Appendix B-2 VM09	Section 01010-2.9.3	Please confirm the square meter building area of the Vehicle Maintenance Building. The SOW states that the VMC is 320 SM, however the dimensions of the building on the floor plan and site plans calculate to 440 SM.	The approximate bldg area is 440 SM.
11	Appendix B-1, Site Plan	Sheet C-102 & C-103	Please provide the quantity of chain link fencing that is required, as the site plans are not to scale and therefore we are unable to accurately measure the required length.	Approximately 1,100 meters.
12	Appendix B-1, Site Plan	Sheet C-102	Please confirm the size of the wash rack concrete pad. The dimensions on the site plan show a 8m x 14m pad, while Appendix B-2 Wash Plan shows a 7.15m x 20.2m pad.	It is 7.15 m x 20.0 m
13	Appendix A-1, Technical Specifications	Section 01010-2.5	Please clarify the scope of work for the potable water system. Do only new buildings require connection to the existing potable water distribution system or is a new potable water supply required for all new and existing buildings on campus.	Only the new buildings require a connection into existing water and sewer system.
14	Appendix A-1, Technical Specifications	Section 01010-2.6	Please clarify the scope of work for the sanitary sewer system. Do only new buildings require connection to the existing sanitary sewer collection system or is a new sanitary sewer collection system required for all new and existing buildings on campus.	Only the new buildings require a connection into existing sewer system.
15	Site Visit		The existing electrical work is installed largely in surface mounted PVC raceways. Can any new electrical work use surface mounted PVC conduit and outlets?	RFP Section 01015 paragraph labeled Interior Distribution System, Conduit, clearly states "Surface Mounted Nonmetallic Raceways shall not be allowed." Provide surface mounted Electrical Metallic Tubing (EMT) per contract.
16	Appendix A-1, Technical Specifications	Section 01010-2.7.2	Please confirm that the contractor is not required to design and build an underground electrical distribution systems per 01010-2.7.2	RFP Section 01010 paragraph 2.7.1 Power Source and par. 2.7.2 Distribution System requires the Contractor to design and construct an underground electrical distribution system to supply power to all new buildings, facilities, and other loads in this contract. Follow the contract requirements.

17	Appendix A-1, Technical Specifications	Section 01010-2.7.4	Please confirm that an underground communication duct system is not required to connect buildings as stated in spec 01010-2.7.4 and spec 271000	RFP Section 01010 paragraph 2.7.4 Site Communications requires the Contractor to design and construct communications systems infrastructure for buildings 15, 17, 18, 20, 29, and 31. It later describes more specific requirements to include the outside plant conduit, pull-string, manholes, hand holes, etc. (underground comm. distribution system). Follow all contract requirements for this comm. system.
18	Appendix A-1, Technical Specifications	Section 01010-2.9.2	Please confirm that all electrical can use existing power panels if the spare capacity exists and that the contractor is not expected to provide 25% additional capacity per 01010-2.9.2	RFP Section 01010 paragraph 2.9.2 Interior Electrical Systems requires a new feeder with a new single service-entrance disconnect and sub feeds to existing Panelboards from the new main panel board for the DFAC expansion, with only the downstream branch circuit Panelboards to be reused. New facilities are either site-adapt facilities or design/build facilities, neither of which would involve existing panels in the new facilities. For exterior panels, par. 2.7.1 Power Source, subparagraph b. Power Source and Backup states "For each new building contractor shall determine nearest Main Distribution Panel board with spare capacity, and utilize an existing spare breaker or install a new breaker for new feeder to building. If a Main Distribution Panelboards with spare capacity is not available, contractor shall design new feeder back to existing power plant." Par. 2.9.2 also states "All systems shall be designed for the ultimate demand loads, plus 25% spare capacity." There are no exceptions to the 25% spare capacity requirement. If an existing Main Distribution Panel board (MDP) is to be used for connection of any of the buildings being provided by this contract, then that MDP must have sufficient capacity to serve the total demand load of both existing and new loads plus 25% spare capacity. The 25% spare capacity requirement applies to both the existing and new loads. If this requirement can't be met by the existing MDP in question, then another existing MDP with sufficient capacity (including 25% spare capacity) could be used. If there are no existing MDPs with the required spare capacity including the 25% spare capacity requirement, then the Contractor must provide feeders back to the existing Power Plant. For the DFAC expansion or any other facilities to be remodeled, if there are existing branch circuit panels with sufficient spare circuits and capacity to feed any new loads, they may be used subject to the 25% spare capacity requirement. The 25% spare capacity requirement refers to both 25% additional load capacity measured in volt-amps or amps as well as 25% spare breakers in the panels.

19	Appendix A-1, Technical Specifications		Is a grounding system required for all new outlets, lighting, and etc.	<p>RFP Section 01010 par. 2.7 Electrical System states "Utilization voltage / frequency for this project shall be 400Y/230V, 50Hz., 3 phase, 5 wire (4 wire plus circuit protective conductor using 5 wire TN-S), designed and constructed in compliance with BS 7671 Requirements for Electrical Installations, Institution of Electrical Engineers (IEE), Wiring Regulations, Seventeenth Edition. Design of electrical systems shall comply with AED-N Electrical Design Requirements." RFP Section 01015 par. Grounding and Bonding states " Grounding and bonding shall comply with the requirements of BS7671. All raceways shall include insulated equipment grounding conductor (protective earth conductor), and grounding electrodes (earthing) shall be installed at every building or structure. Grounding electrodes shall include, at a minimum: Concrete encased electrode, bond to building steel (if available), bond to metallic water pipe (if available), and ground rod(s). Underground connections shall be exothermally welded. All exposed non-current carrying metallic parts of electrical equipment in the electrical system shall be grounded. Final measurement of the ground resistance shall not exceed 25 ohms when measured more than 48 hours after rainfall. Ground rods shall be copper clad steel, with minimum diameter of 17.2mm and minimum length of 3000mm." A proper grounding and bonding system is required per the contract for the entire electrical system to include new outlets, lighting, etc.</p>
20	Appendix A-1, Technical Specifications	2.9.2	Is a new fire alarm system required with main fire alarm control panel (facp) that monitors and controls all 20 buildings?	<p>RFP Section 01015 paragraph Fire Detection & Alarm System states "Smoke alarms shall be provided where a fire alarm system is required by the IBC and NFPA 101. Smoke alarm shall be line voltage (230 V) stand-alone type with 9V battery backup. Where more than one smoke alarm is provided in a room, smoke alarms shall be wired such that one unit alarming in the space will cause all units to alarm." This requirement does not include any requirement for Fire Alarm Control Panels, manual pull station, horns, strobes, etc. It only requires stand-alone line powered smoke detectors with battery backup. The only interconnection capability required is for smoke detectors in the same room to be wired so that if one detector goes into alarm, then all detectors in the same room must also go into alarm state.</p>

21	Appendix A-1, Technical Specifications	Section 264100	Please confirm that a lightening protection system is not required per spec 264100	RFP Section 01010 par. 2.9.2 Interior Electrical Systems states “Interior electrical systems shall be constructed as shown on the site-adapt drawings for site-adapt facilities, and designed and constructed for design/build facilities. Interior electrical systems include, but are not limited to: interior secondary power distribution system, lighting and power branch circuits, fire detection and alarm system, and communications system.” While lightning protection systems are not specifically referenced in this paragraph, the list of interior electrical systems does say “but are not limited to”. Site-adapt drawings do show lightning protection systems for many of the site-adapt facilities, and these lightning protection systems are required to be constructed as shown on the site-adapt drawings. For design-build facilities, there is no specific contract reference to lightning protection, so lightning protection is not required for these design-build facilities.
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Appendix 1

The Contractor is expected to observe all mandatory labor policies, in particular the one specified by the laws of Afghanistan and safety requirements specified in referenced documents of the project – excerpts are listed below.

Manual: EM 385-1-1
15 Sept 08

Page B-5
App. B
Emergency Operations

8. Duty Schedule

- b. For operations lasting longer than 2 weeks, USAE and contractor employees shall not work in excess of 84 hours per week. The duty hours an employee would be required to work during emergency operations are 12 hours per day., 7 days a week. Work and travel time must allow for 8 hours continuous rest between each work shift.
- c. Employees shall be provided the opportunity for 24 hours of rest after working 14 days and 48 hours of rest after working 21 days. Employees shall be required to take at least 24 hours off for rest after a continuous 29 day period of work and shall be required to take at least 24 hours every 2 weeks thereafter.

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01.C.05

Operators are not permitted to operate beyond the following limits:

- a. Operators of equipment, such as hoisting equipment and draglines, mobile construction equipment, electrical power systems, hydropower plants, industrial manufacturing systems, hydraulically operated equipment, powered vessel, and boats, shall not be permitted to exceed twelve (12) hours during any 24-hour period. A minimum of eight (8) consecutive hours shall be provided for rest in each 24-hour period.

From UXO/Deming [operations only]:

{no specific reference, comes from a spec; if you need more for UXO please stop by}

2.1 WORK WEEK. The scheduled workweek is based on 6 days per week, 12 hours per day (40 hours of straight time and, 32 hours of overtime, not to exceed 72 hours total per week). Any deviation from the workweek shall require the prior written approval by the AED Contracting Officer (KO); however, emergency overtime may be approved by the KO at the time that the emergency need is made known.

SECTION 00010 - SOLICITATION CONTRACT FORM

The offer guarantee has changed from is required to is not required.

(End of Summary of Changes)

PeH COMPREHENSIVE RENOVATION GENERAL WORKS

Attachment 1

BLDG#	BUILDING TYPE	WINDOW & SCREEN	DOOR & HARDWARE	WALLS & CEILING	FLOORS	STAIRS	NOTES
1	Dorm	Replace All Windows	Replace All Doors	Patch & Paint <i>area required?</i>	Replace Carpet Floor and PVC Tiles with Ceramic Tiles <i>area required?</i>	Repair Damaged Surface and Edges, Provide Metal Edge Nose for all Treads	<i>font in red not seen any required quantities or areas in drawings, SOW and SOR. Applicable to ALL. Please advise.</i>
2	Dorm	Replace All Windows	Replace All Doors	Patch & Paint <i>area required?</i>	Replace Carpet Floor and PVC Tiles with Ceramic Tiles <i>area required?</i>	Repair Damaged Surface and Edges, Provide Metal Edge Nose for all Treads	
3	Dorm	Replace All Windows	Replace All Doors	Patch & Paint <i>area required?</i>	Replace Carpet Floor and PVC Tiles with Ceramic Tiles <i>area required?</i>	Repair Damaged Surface and Edges, Provide Metal Edge Nose for all Treads	
4	Dorm	Replace All Windows	Replace All Doors	Patch & Paint <i>area required?</i>	Replace Carpet Floor and PVC Tiles with Ceramic Tiles <i>area required?</i>	Repair Damaged Surface and Edges, Provide Metal Edge Nose for all Treads	

PeH COMPREHENSIVE RENOVATION GENERAL WORKS

Attachment 1

BLDG#	BUILDING TYPE	WINDOW & SCREEN	DOOR & HARDWARE	WALLS & CEILING	FLOORS	STAIRS	NOTES
5	PeH HQ	Replace All Windows	Replace All Doors	Patch & Paint <i>area required?</i>	Replace Carpet Floor and PVC Tiles with Ceramic Tiles <i>area required?</i>	Repair Damaged Surface and Edges, Provide Metal Edge Nose for all Treads	
6 & 6a & 6d	DFAC	Replace 100% Wooden Windows, Selected PVC Windows	Replace 100% Doors (Except New PVC Doors), 100% Existing Screens & Frames	Patch & Paint <i>area required?</i>	Repair Damaged Tiles <i>area required?</i>	OK	At Least 50% of all Windows to be Operable. Provide Fans in New Windows as Specified in Mech Part of M-1
7	Bathrooms Building	Replace All Windows	OK	Patch & Paint <i>area required?</i>	OK	OK	
7A	Bathrooms Building	Replace All Wooden Windows	Replace All Wooden Doors	Patch & Paint <i>area required?</i>	OK	OK	
8	Toilets Building	Replace All Wooden Windows Only	Replace All Wooden Doors	Patch & Paint <i>area required?</i>	OK	OK	
8A	Toilets Building	Replace All Wooden Windows Only	Replace All Wooden Doors	Patch & Paint <i>area required?</i>	OK	OK	
9	Grounds Maintenance Bldg	OK	Provide New Door	OK	OK	OK	
13	Security Bldg	Replace 25% Screens	Replace 25% Doors	Patch & Paint <i>area required?</i>	OK	OK	
14	Security Force Bldg	Replace All Windows	Replace All Doors	Patch & Paint <i>area required?</i>	Tile upstairs <i>area required?</i>	OK	New Partition Walls on the 2nd Floor; Exterior and Roof Work <i>area required?</i>

PeH COMPREHENSIVE RENOVATION GENERAL WORKS

Attachment 1

BLDG#	BUILDING TYPE	WINDOW & SCREEN	DOOR & HARDWARE	WALLS & CEILING	FLOORS	STAIRS	NOTES
14A	Troops Medical Clinic	OK	Repalce 25% Doors & Hardware	OK	OK	OK	
15	Education Center	Replace All Windows	Replace All Doors	Patch & Paint area required?	OK	OK	Provide New Steel Bridge Over the Stairs
16	Combat Support/Arms Training	Replace All Windows	Replace All Doors	Patch & Paint area required?	OK	OK	Provide New Steel Bridge Over the Stairs
17	PME Center	OK	Replace 100% Knobs with Handles	Patch & Paint area required?	OK	OK	
18	Media Lab	OK	Replace 25% Doors & 100% Knobs with Handles	OK	OK	OK	
20	PME Center/Technical Trg Center	OK	OK	Patch & Paint area required?	OK	OK	
27	Aviation Maint Trg Bldg	Replace 75% Screens	Replace 25% Door & 75% Knobs	Patch & Paint area required?	OK	OK	
29	Female Barrack / TL	OK	All Bldg Entry/Exit Doors to be Replaced	OK	OK	OK	
31	Barrack / TL	OK	All Bldg Entry/Exit Doors to be Replaced	Patch & Paint area required?	Tile all Rooms and Halls	OK	Provide New Enclosure for Showers; Both Floors. Paint work includes the Exterior and Interior Walls.

PeH COMPREHENSIVE RENOVATION MEP & COMM

Attachment 1

BLDG#	BUILDING TYPE	PLUMBING	MECHANICAL	ELECTRICAL	COMMUNI-CATION	FIRE PROTECTION	NOTES
1	Dorm	Add 1 WC & Mop Sink 1st Flr, 1 WC & Mop Sink 2nd Flr, Ablution and Mop Sink 3rd Flr, replace 3 lavatories	Provide 2 Ceiling Fans in Each full size Sleeping Room, 1 in half size sleeping room	Replace 100% Light Fixtures; Replace 100% Electrical Heaters; Provide Additional Wall Outlets <i>please provide as-built</i>	OK	Install Smoke Alarms <i>quantity required?</i>	WC - Water Closet, Provide Stainless Steel Wall Rack Next to Mop Sink
2	Dorm	Add 1 WC & Mop Sink 1st Flr, 1 WC, Ablution & Mop Sink 2nd Flr, Ablution and Mop Sink 3rd Flr, replace 3 lavatories	Provide 2 Ceiling Fans in Each full size Sleeping Room, 1 in half size sleeping room	Replace 100% Light Fixtures; Replace 100% Electrical Heaters; Provide Additional Wall Outlets <i>please provide as-built</i>	OK	Install Smoke Alarms <i>quantity required ?</i>	WC - Water Closet, Provide Stainless Steel Wall Rack Next to Mop Sink
3	Dorm	Add 1 WC & Mop Sink 1st Flr, 2 WC, Ablution & Mop Sink 2nd Flr, 2 WC, Ablution & Mop Sink 3rd Flr, replace 3 lavatories	Provide 2 Ceiling Fans in Each full size Sleeping Room, 1 in half size sleeping room	Replace 100% Light Fixtures; Replace 100% Electrical Heaters; Provide Additional Wall Outlets <i>please provide as-built</i>	OK	Install Smoke Alarms <i>quantity required?</i>	WC - Water Closet, Provide Stainless Steel Wall Rack Next to Mop Sink
4	Dorm	Add 1 WC & Mop Sink 1st Flr, Ablution & Mop Sink 2nd Flr, 1 WC, Ablution & Mop Sink 3rd Flr, replace 3 lavatories	Provide 2 Ceiling Fans in Each full size Sleeping Room, 1 in half size sleeping room	Replace 100% Light Fixtures; Replace 100% Electrical Heaters; Provide Additional Wall Outlets <i>please provide as-built</i>	OK	Install Smoke Alarms <i>quantity required?</i>	WC - Water Closet, Provide Stainless Steel Wall Rack Next to Mop Sink

PeH COMPREHENSIVE RENOVATION MEP & COMM

Attachment 1

BLDG#	BUILDING TYPE	PLUMBING	MECHANICAL	ELECTRICAL	COMMUNI- CATION	FIRE PROTECTION	NOTES
5	PeH HQ	OK	Provide through the wall exhaust fan in the Armory	Replace 100% Light Fixtures; Replace 100% Electrical Heaters; Provide Additional Wall Outlets <i>please provide as-built</i>	Install Raceway on Exterior Side of Building, Organize Tel. Lines Within Raceway	Install Smoke Detectors <i>quantity required?</i>	WC - Water Closet, Provide Stainless Steel Wall Rack Next to Mop Sink
6 & 6a & 6d	DFAC	OK	Provide ventilation fan in the top panel of windows in dining room in lieu of glazing. Each fan shall be 3000 cmh. Provide (8) fans in room 6a, (4) fans in northwest 6d, & (6) fans in southeast 6d	Replace 100% Light Fixtures <i>please provide as-built</i>	OK	OK	
7	Bathrooms Building	Replace 100% Shower valves, faucets, shower heads, and hardware, replace 100% of the ablution faucets, remove abandoned electric water heaters,	Remove existing exhaust fans, provide central exhaust at 85cmh/fixture, provide heated make up air for balanced air flow.	OK	OK	OK	

PeH COMPREHENSIVE RENOVATION MEP & COMM

Attachment 1

BLDG#	BUILDING TYPE	PLUMBING	MECHANICAL	ELECTRICAL	COMMUNI- CATION	FIRE PROTECTION	NOTES
7A	Bathrooms Building	Replace 100% Shower valves, faucets, heads, and hardware, Replace 25% lavatory faucets, replace 10% of ablution faucets.	Remove in window exhaust fans, provide central exhaust at 85cmh/fixture, provide heated make up air for balanced air flow.	OK	OK	OK	
8	Toilets Building	Replace all lavatory faucets	Provide central exhaust fan at 150 cmh/water closet	OK	OK	OK	
8A	Toilets Building	Replace 10 low lavatory faucets with goose neck type faucets.	Remove in window exhaust fans, provide central exhaust system, provide heated make up air.	OK	OK	OK	
9	Grounds Maintenance Bldg	OK	OK	OK	OK	Install Smoke Detectors quantity required	
13	Security Bldg	OK	OK	OK	OK	Install Smoke Detectors quantity required	
14	Security Force Bldg	New Plumbing in Bathroom	OK	Replace 100% Light Fixtures please provide as-built	OK	Install Smoke Detectors quantity required	
14A	Troops Medical Clinic	OK	OK	Replace 100% Light Fixtures please provide as-built	OK	Install Smoke Detectors quantity required	

PeH COMPREHENSIVE RENOVATION MEP & COMM

Attachment 1

BLDG#	BUILDING TYPE	PLUMBING	MECHANICAL	ELECTRICAL	COMMUNI- CATION	FIRE PROTECTION	NOTES
15	Education Center	OK	OK	OK	Provide Comm Connection	Install Smoke Alarms quantity required	
16	Combat Support/Arms Training	OK	OK	OK	OK	Install Smoke Alarms quantity required	
17	PME Center	OK	OK	OK	Provide Comm Connection	Install Smoke Alarms quantity required	
18	Media Lab	Provide new latrines, with 4 eastern W.C and 2 lavs on first flr, and 3 western W.C. and 2 lavs on 2nd flr.	OK	OK	Provide Comm Connection	Install Smoke Alarms quantity required	
20	PME Center/Technical Trg Center	OK	OK	OK	Provide Comm Connection	Install Smoke Alarms quantity required	
27	Aviation Maint Bldg	OK	OK	OK	OK	Install Smoke Alarms quantity required	
29	Female Barracks / TL	Remove urinals from latrines, 1st & 2nd floor. Provide 4 showers, 4 water closets, 4 lavatories on each floor. Maintain minimum 750mm walkway.	Provide exhaust at a rate of 85cmh/shower or water closet.	Install exterior security lighting	Provide Comm Connection	Remove fire alarm system from latrine portion of building. Install smoke alarms in individual rooms quantity required	
31	Barracks / TL	Provide New Showers; Both Floors	OK	OK	Provide Comm Connection	Install Smoke Alarms quantity required	Provide New Shower Rooms

APPENDIX B-4

DESIGN BUILD PLANS

COVER SHEET G-001

DFAC 6g FOLDER:

DEMOLITION PLAN AD-101

DFAC COMPLEX SITE PLAN A-001

BUILDING 6g FLOOR PLAN A-100

S-A DFAC BINDER SET FOR KITCHEN*

WOOD STOVE FOLDER

WOOD STOVE 6e BUILDING BINDER SET

S-A DFAC BINDER SET FOR WOOD STOVE*

Set of drawings marked with asterisk * are full sets attached only to be used as a reference for the part which is selected in this project.

In case of S-A DFAC set the kitchen part is to be used for new 6g building. The original layout has to be mirrored in order to achieve it.

In case of Wooden Stove part of building 6e, the relevant drawings have to be extracted from full set and properly adapted.

