AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
	1	15

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0001	11 SEP 98		

6. ISSUED BY CODE

Department of the Army
Corps of Engineers
Fort Worth District

7. ADMINISTERED BY *(If other than Item 6)* CODE

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

CODE FACILITY CODE

(√) X

9A. AMENDMENT OF SOLICITATION NO.
DACA63-98-B-0065

9B. DATED *(SEE ITEM 11)*
24 AUGUST 1998

10A. MODIFICATION OF CONTRACTS/ORDER NO.

10B. DATED *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers 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 1 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 ☐ is not, ☐ 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 Solicitation for BARKLEY ELEMENTARY SCHOOL RENOVATION, FORT CAMPBELL, KENTUCKY, is amended as follows:

See Continuation Sheets.

NOTE: Bid Opening Date is "23 September 1998, 2 p.m., local time," as previously announced.

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)*	
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

A. CHANGES TO SPECIFICATIONS:

Project Table of Contents:

1. Add Section 01010 CONTRACT CONSIDERATIONS.
2. Delete Section 02685 GAS DISTRIBUTION SYSTEMS
3. Delete Section 16370 ELECTRICAL DISTRIBUTION, AERIAL.
4. Delete Section 16375 ELECTRICAL DISTRIBUTION, UNDERGROUND.
5. Delete Section 16721 FIRE DETECTION AND ALARM SYSTEM.

Section 01000 CONSTRUCTION SCHEDULE

1. Paragraph 1.1 SCHEDULE: Change the contract duration to 440 calendar days in lieu of the 360 days indicated.
2. Paragraph 1.2, add "and 01010 CONTRACT CONSIDERATIONS" to the end of the paragraph.
3. Paragraph 1.3, add "and 01010 CONTRACT CONSIDERATIONS" to the end of the paragraph.
4. Paragraph 1.4.1: Change the reference to Section 00800 to Section 01500 TEMPORARY CONSTRUCTION FACILITIES.
5. Paragraph 1.4.3: Delete this paragraph in its entirety.

Section 01001 TECHNICAL PROVISIONS

1. Paragraph 2.1.2: Add the following to the end of the paragraph:

   "The school will conduct moving operations for these areas."

2. Paragraph 3.4.1: Revise to the following:

   Six (6) copies of all Government Approval (GA) submittals shall be provided for materials indicated on the drawings or specified herein. These copies shall be separated and mailed to the addresses as indicated below:

Four copies:	The Contracting Officer: Name and address to be determined at the Preconstruction Conference.
One copy for information/record:	HQ, 101st AN DIV (AASLT) & FT CAMPBELL Directorate of Contracting Building 2172, 13-1/2 Street Fort Campbell. KY 42223-5000
One copy for information/record:	Parkhill, Smith & Cooper, Inc. Robert D. Rollo, P.E. 4010 Avenue R Lubbock, TX 79412

Section 01010 CONTRACT CONSIDERATIONS

1. Add the attached section in its entirety.

Section 01330 SUBMITTAL PROCEDURES

1. Paragraph 3.5.1 Procedures: Edit to read as follows:

   Four (4) copies . . . . . all FIO submittals. One (1) copy of all submittals shall be sent to the Directorate of Contracting and one (1) copy to the A/E as specified in 01001 General Requirements

2. Submittal Registers
   a. Delete Sections 02685, 16370, 16375, and 16721.
   b. Change 16415 in accordance with changes indicated below for it's section.

Section 01500 TEMPORARY CONSTRUCTION FACILITIES

1. Replace with the accompanying new SECTION 01500 TEMPORARY CONSTRUCTION FACILITIES.

Section 01700 CONTRACT CLOSEOUT

1. Paragraph 1.2.1 Submittal Requirements
   a. Edit the times to be 90 days and 30 days respectively.
2. Between 1.4.1 and 1.4.2.1
   a. Add the following paragraph header line:
      1.4.2 Submittals of Preliminary and Final Record Drawings.
3. Paragraph 1.4.5 Final Record Drawings
   a. Note that this paragraph is misnumbered. Should be 1.4.4.
   b. Edit first paragraph to the following:

      Upon approval . . . . approved blue lines and the original set of contract drawings or tracings. The contractor will then modify these original drawings or tracing as may be necessary . . . . including adding additional drawings as may be necessary. The original drawings or tracings are part of the permanent records of the project and the Contractor shall be responsible for the protection and safety thereof until returned to the Contracting Officer. Drawings of tracings damaged or lost by the Contractor shall be satisfactorily replaced by the Contractor at the Contractor's expense. If additional drawings are required, they shall be prepared on blank sheets furnished by the Government.

   c. Delete the second paragraph in its entirety.
4. Paragraph 1.4.5.1 Drafting
   a. Note that this paragraph is misnumbered. Should be 1.4.4.1.
   b. Delete "and modify the CADD files." from the first sentence.
   c. Delete the next sentence consisting of all of the boldface type.
5. Paragraph 1.4.5.2 Final Revisions
   a. Note that this paragraph is misnumbered. Should be 1.4.4.2.
6. Paragraph 1.4.5.3 Title Blocks
   a. Note that this paragraph is misnumbered. Should be 1.4.4.3.
7. Paragraph 1.4.5.4 Copies of the Final Record Drawings

a. Note that this paragraph is misnumbered. Should be 1.4.4.4.

8. Paragraph 1.4.5.5 Submittal Requirements
   a. Note that this paragraph is misnumbered. Should be 1.4.4.5.
   b. Delete the requirements discussing CADD files in the first paragraph.
   c. Delete the second paragraph in its entirety.
   d. Delete the third paragraph in its entirety.
   e. Delete the fourth paragraph in its entirety.
9. Paragraph 1.4.4 Final Record Drawings
   a. Note that this paragraph is misnumbered. Should be 1.4.5.
10. Paragraph 1.5.2 Pre-Warranty Conference
    a. Delete the bracketed description "[each task order's]"

Section 02050 DEMOLITION

1. Paragraph 1.6 AVAILABILITY OF WORK AREAS:

   Change the specification section referenced herein to 01001 TECHNICAL PROVISIONS.

2. Add paragraph 1.7 PROJECT PHASING as follows:

   These facilities will be occupied during the construction duration except during off school time during the summer. The interior construction within classrooms and office areas may be accomplished in groups of 6 rooms while the school is in operation. The Contractor, user and Contracting Officer will coordinate these interior work areas.

   Generalized Phasing is outlined as follows, alternative proposals will be acceptable subject to the approval of the Contracting Officer, provided that the critical parameters contained within these specifications are acknowledged and maintained.

   Notice To Proceed Issued - 23 October, 1998
   Phase I Begins - 2 November, 1998
   Process submittals, order materials and equipment
   Site mobilization
   Begin Exterior mechanical/electrical work
   Begin Interior work in classroom and office areas
   Begin mechanical demolition in unoccupied spaces following the end of the heating season (2 April, 1999)

   Phase II Begins - End of regular school session (approx 28 May, 1999)
   Begin remainder of demolition
   Begin tie in of new HVAC systems

   Begin and finish interior work required in common areas such as corridors, cafeterias, gymnasiums, libraries, etc.
   Continue interior work in classrooms and offices

   Phase III Begins - Commencement of school year (approx 28 Aug, 1999)

Finish tie-in and start up of new HVAC systems. Provide temporary cooling where new cooling systems are not operational. Heating required by 1 Nov 1999.
Finish Interior Construction in classroom areas.

Substantial Completion - 6 January, 2000

3. Paragraph 3.4.1.4.1 add the following to the end of the paragraph: "This salvage does not include light fixtures being removed."
4. Paragraph 3.7.1 Asbestos Containing Materials
   a. Delete this paragraph in its entirety.
5. Paragraph 3.7.2 PCB Containing Material
   a. Change to the following:
   "Fixtures suspected of containing PCB containing materials (…..) shall be delivered to…"
6. Add the following paragraph:

3.7.5 Mercury Containing Light Bulbs:

Mercury containing light bulbs such as mercury vapor, metal halide, high pressure sodium, and fluorescent light bulbs, or any other mercury containing light bulbs shall be considered and handled as hazardous waste for recycle. The contractor shall collect these old/used bulbs or tubes and very carefully deliver them to the PWBC-PPOC yard before the time of general demolition. For disposal and recycling of these bulbs, have the Contracting Officer's representative contact the PWBC-PPOC yard hazardous waster supervisor before delivery to the yard such that packaging requirements for transport of the bulbs can be determined.

Section 02685 GAS DISTRIBUTION SYSTEM

1. Delete entire section.

Section 04200

1. Paragraph 2.3 Concrete Masonry Units (CMU). Add the following to the end of the paragraph:

   Units shall be manufactured with an integral water repellant admixture.

2. Add paragraph 2.3.3 Integral Water Repellant Admixture

   Provide units made with liquid polymeric, integral water repellant admixture that does not reduce flexural bond strength. Units made with integral water repellant, when tested as a wall assembly made with mortar containing integral water-repellent manufacturer's mortar additive according to ASTM E 514, with test period extended to 24hours, show no visible water or leaks on the back of the test specimen.
   a. Available Products: Subject to compliance with the above requirements, products that may be incorporated into the Work include, but are not limited to, the following:
      1) Block Plus W-10; Addiment Inc.
      2) Dry-Block; W.R. Grace & Co., Construction Products Division.

3) Rheopel; Master Builders.

3. Paragraph 2.6 Mortar. Add the following to the end of the paragraph:

Mortar mix shall include a water repellant admixture.

4. Add paragraph 2.6.3 Water Repellent Admixture

Liquid water repellent mortar admixture intended for use with concrete masonry units, containing integral water repellent by the same manufacturer.

Section 06410 CUSTOM CASEWORK

1. Delete the following paragraphs: 2.1.7, 2.1.17, 2.1.18, 2.1.21, 2.1.23, 2.1.24, 2.3.2.5, 2.3.2.6, 2.3.2.7, 2.3.3.c, 2.3.3.d, 2.3.3.e, and 2.3.4 as there are none of these items required.

Section 15250, THERMAL INSULATION FOR MECHANICAL SYSTEMS

1. Paragraph 2.1.3, Page 15250-4. At the third sentence, delete the word “red”. Class 1 adhesives shall be pigmented “white” in color.

Section 15653, AIR-CONDITIONING SYSTEM (UNITARY TYPE)

1. Paragraph 1.2 Submittals
   a. SD – 01 Data
      Spare Parts Data should be submitted as FIO.
   b. SD – 04 Drawings
      Delete entire paragraph.
   c. SD – 07 Schedule
      10 days is the correct time of submittal.
   d. SD – 09 Reports
      (1) Six copies is the correct requirement.
      (2) Delete the requirement for Condenser Water Quality Tests
      (3) Six copies is the correct number for System Performance Tests
      (4) Delete the requirements for Inspections
   e. SD – 13 Certificates
      (1) Air-Conditioning should be submitted as FIO.
      (2) Service Organizations should be submitted as FIO.
      (3) Operation Manual should be submitted as FIO.
      (4) Maintenance Manual should be submitted as FIO.
      (5) Delete requirement for Water Treatment System.
2. Paragraph 1.3 QUALIFICATIONS
   Delete paragraph in its entirety.
3. Paragraph 3.1.2 Factory Applied Insulation
   Delete The bracketed text beginning with “Refrigerant pumps and exposed chilled . . .” The other criteria applies.
4. Paragraph 1.3, Page 15653-8. Delete the last two sentences.

5. Add new paragraph 2.13 as follows:

2.13 SMOKE DETECTORS

2.13.1 Duct mounted smoke detectors shall be addressable, photoelectric system type, complying with applicable UL standards. Install in accordance with the manufacturer's recommendation and NFPA 72. All detectors shall have an insect screen. Detectors shall have an indicator lamp to denote an alarm condition. Also provide a set of auxiliary contacts, one each normally open and normally closed.

2.13.2 Photoelectric detectors shall be factory calibrated. The sensitivity of any photoelectric detector shall be factory set at 3.2 percent plus or minus 0.5 percent obscuration per foot. These detectors shall be mounted as required for detection of the particles of combustion at the installed location without causing nuisance activation.

Duct detectors shall be listed and labeled for duct installation. See the mechanical drawings for locations of duct detectors. Detectors shall be provided with an approved duct housing mounted exterior to the duct, and shall have perforated sampling tubes extending across the full width of the duct (wall to wall). Duct detectors whose operation requires the heads to be mounted inside of ducts are not acceptable.

6. Paragraph 2.6.2, Page 15653-12. At the third sentence, change to read:
   "Motor starters, if applicable, shall be magnetic across-the-line type with an open dripproof enclosure."
7. Paragraph 2.6.6, Page 15653-13. At the first sentence, delete the word "flanged".
8. Paragraph 2.9.1.2, Pages 15653-14 and 15. Delete the sub-paragraph in its entirety.
9. Paragraph 2.1.2.1, Pages 15653-22 and 23. Delete the number "125" from the first sentence. Weather resistant housings must withstand 500 hours exposure to salt spray in the referenced test.
10. Paragraph 2.12.2.2, Page 15653-23. Delete the sub-paragraph in its entirety.
11. Add new paragraph 3.5 as follows:

3.5 DUCT MOUNTED SMOKE DETECTORS

3.5.1 Install duct mounted smoke detectors in accordance with the manufacturer's published instructions, NFPA 72, and NFPA 90A. Interlock detectors, utilizing relays interlocked with air conditioning unit control circuits, to shutdown the unit and fans upon detection of smoke. Provide remote indicator lamps and identification nameplates (smoke detector) for smoke detectors concealed from normal view.

3.5.2 Extend plenum rated, addressable type, fire alarm cable, in daisy chain fashion, from detector to detector, and terminate with 15 ft of extra cable at the existing fire alarm control panel for future tie-in by the Owner. Route fire alarm cable in conduit where exposed to weather or view. Installation of raceways shall be per the requirements of Section 16415, but accomplished under this Section of the Specification.

3.5.3 Each fan shutdown system at each air conditioning unit indicated to be provided with smoke detectors shall operate independently of the other, with local reset, and not require a signal from the existing fire alarm control panel.

3.5.4 Test each smoke detector, in the presence of the Fire Marshall, to verify proper operation in accordance with NFPA 72 and NFPA 90A. Instruct maintenance personnel on proper care and testing of smoke detectors and fan shutdown relays and on resetting systems, once normal conditions are restored.

Section 15895 AIR SUPPLY, DISTRIBUTION, VENTILATION AND EXHAUST SYSTEM

1. Paragraph 2.8.1 Fans
   The correct V belt capacity should be 150 percent.
2. Paragraph 2.8.1.2 Ceiling Exhaust Fans
   The motor enclosures shall be dripproof type.

Section 16370 ELECTRICAL DISTRIBUTION SYSTEM, ARIAL

1. Delete entire section.

Section 16375 ELECTRICAL DISTRIBUTION SYSTEM, UNDERGROUND

1. Delete entire section.

Section 16415 ELECTRICAL WORK, INTERIOR

1. Paragraph 1.2.6 As Built Drawings
   Delete paragraph in it's entirety.
2. Paragraph 2.1.2 Aluminum Conductors
   Delete paragraph in it's entirety.
3. Paragraph 2.4.2 Electrical Nonmetallic Tubing (ENT)
   Delete paragraph in it's entirety.
4. Paragraph 2.4.4 Intermediate Metal Conduit
   Delete paragraph in it's entirety.
5. Paragraph 2.4.7 Rigid Plastic
   Delete paragraph in it's entirety.
6. Paragraph 2.5.2 Boxes, Nonmetallic, Outlet and Flush-Device Boxes and Covers
   Delete paragraph in it's entirety.
7. Paragraph 2.5.5. Fittings, PVC, for Use with Rigid PVC Conduit and Tubing
   Delete paragraph in it's entirety.
8. Paragraph 2.9.2 Fluorescent
   ELECTRONIC FLOURESCENT BALLAST EFFICACY FACTORS table:
   Delete criteria for : 40W F40 T12, 34W F40 T12, 40W F40 T10.
   Change 32W F17 T8 to "32W F17 T8 and 17W F17 T8".

Section 16721 FIRE DETECTION AND ALARM SYSTEM

1. Delete entire section.

B. CHANGES TO DRAWINGS:

Drawing No. C1.

1. At reference grid location E/F-4, add a keyed note bubble number 1 pointing to the gas meter.
2. Add:

   KEYED NOTES INDICATED "O"

   1. PROVIDE NEW GAS REGULATOR AND CONNECTION TO EXISTING METER FOR NEW ROOF TOP UNITS. REF MECH ROOF PLAN.

Drawing No. A1.

1. Add General Note E as follows:

   E. SHADING INDICATES AREAS OF NO WORK.

Drawing No. A2.

1. In CLASSROOM 15, add keyed note bubble #13 pointing to the pipe chase riser and horizontal run to the East of the mech unit (#15) to be removed.
2. In CLASSROOM 16, add keyed note bubble #13 pointing to the pipe chase riser and horizontal run to the West of the mech unit (#15) to be removed.
3. Outside of RESOURCE ROOM 24, the keyed note indicating the condensate leader should be 3, not 6.
4. Add General Note E as follows:

   E. SHADING INDICATES AREAS OF NO WORK.

Drawing No. A3.

1. In OFFICE 22, along the East wall, change the keyed note #1 to #13.
2. Outside of CLASSROOM 1, along the south wall, delete the keyed note #6.
3. Outside of CLASSROOM 2, along the south wall, delete the keyed note #6.
4. Add General Note E as follows:

   E. SHADING INDICATES AREAS OF NO WORK.

Drawing No. A8.

1. Detail 4/A8. This detail will be doubled in scale for increased clarity.
2. Keyed note 21: Change to read: "FLOOR MOUNTED SEMI-RECESSED UNIT TO BE REMOVED, REFER MECHANICAL. REPLACE BRICK "TOOTH-IN METHOD "
3. Keyed Note 22: Change second sentence to read: "PATCH BRICK AND CMU "TOOTH-IN" METHOD . . . "
4. Keyed Note 22: Add "REFER 5/A8" to the end of the note.

Drawings, Sheet M1 of 8, Sequence Number 13.

1. Remove existing exposed chilled/hot water piping in Corridor 117.

Drawing M2 of 8, Sequence Number 14.

1. Remove existing exposed chilled/hot water piping in Corridor 134 as well as condensate drain piping routed overhead above the ceiling in Corridor 134.

Drawings, Sheet M3 of 8, Sequence Number 15.

1. Remove existing exposed chilled/hot water piping in Corridor 48 as well as condensate drain piping routed overhead above the ceiling in Corridor 48.
2. Remove existing exhaust fans located in Restrooms 1B, 2B, 17A, 18A, 21A, 22A, 23A, 29A, 29B, 31A, and 48B.

Drawings, Sheet M4 of 8, Sequence Number 16.

1. At wall between Resource Room 126 and Corridor 132, provide combination fire/smoke damper at duct penetrations of Corridor wall at three (3) locations; at 24/12 duct, at 20/14 duct, and at 8/6 duct serving diffuser "G".
2. At wall between Computer Room 122 and Corridor 132, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 24/12 duct and at 20/14 duct.
3. At wall between Office 127 and Corridor 132, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 28/14 return duct and at 8/6 duct serving diffuser "G".
4. At wall between Testing Room 125 and Corridor 132, provide combination fire/smoke damper at duct penetration of Corridor wall at 12/4 duct for return duct.
5. At wall between Music Room 123 and Corridor 132, provide combination fire/smoke damper at duct penetration of Corridor wall at 28/14 duct.
6. At wall between Classroom 113 and Corridor 115, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 18/14 supply duct and 18/14 return duct.
7. At wall between Classroom 111 and Corridor 115, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 18/14 supply duct and 18/14 return duct.
8. At wall between Classroom 109 and Corridor 115, provide combination fire/smoke damper at duct penetrations of Corridor wall at three (3) locations; at 18/14 supply duct, 18/14 return duct, and at 12/4 supply duct serving Register "E".
9. At wall between Speech Room 107 and Corridor 116, provide combination fire/smoke damper at duct penetrations of Corridor wall at three (3) locations; at 16/12 supply duct, 16/12 return duct, and at 32/6 supply duct serving Register "A".
10. At wall between Classroom 114 and Corridor 115, provide combination fire/smoke damper at duct penetrations of Corridor wall at three (3) locations; at 18/14 supply duct, 18/14 return duct, and at 12/4 supply duct serving Register "E".
11. At wall between Classroom 112 and Corridor 115, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 18/14 supply duct and 18/14 return duct.
12. At wall between Classroom 110 and Corridor 115, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 18/14 supply duct and 18/14 return duct.
13. At wall between Workroom 108 and Corridor 115, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 12/12 supply duct and 18/14 return duct.
14. At wall between Guidance Room 25 and Corridor 117, provide combination fire/smoke damper at duct penetrations of Corridor wall at two (2) locations; at 16/10 supply duct and 24/8 return duct. Provide combination fire/smoke damper at duct penetration of 16/5 supply duct between Guidance Room 25 and Corridor 118.

15. At wall between Art Room 121 and Corridor 119, provide combination fire/smoke damper at duct penetrations of Corridor wall at 16/6 supply duct serving Register “B”.

Drawings, Sheet M5 of 8, Sequence Number 17.

1. At wall between Classroom 12 and Corridor 118, provide combination fire/smoke damper at duct penetrations of Corridor wall at 14/5 supply duct serving Register “C”.
2. At wall between Classroom 11 and Corridor 134, provide combination fire/smoke damper at duct penetrations of Corridor wall at each of the two (2) 14/5 supply ducts serving Register “C”.
3. At wall between Workroom 36 and Corridor 134, provide combination fire/smoke damper at duct penetrations of Corridor wall at 16/5 supply duct serving Register “B”.

Drawings, Sheet M6 of 8, Sequence Number 18.

1. At wall between Classroom 4 and Corridor 48, provide combination fire/smoke damper at duct penetrations of Corridor wall at 12/4 supply ducts serving Register “E”.
2. At wall between Classroom 3 and Corridor 48, provide combination fire/smoke damper at duct penetration of Corridor wall at 12/4 supply duct serving Register “E”.
3. At wall between Principal Office and adjacent Restroom 23A and Corridor 50, provide combination fire/smoke damper at duct penetrations of Corridor wall at 32/6 supply duct serving Register “A” and 24/12 return duct serving Wall Grille “BD”.
4. At wall between Classroom 1 and Corridor 51 and Brown Room 27, provide combination fire/smoke damper at duct penetrations of Corridor wall at 12/4 supply duct serving Register “E”, at duct penetration at 24/12 return duct serving Wall Grill “BD”, at 20/14 supply duct, and at 36/8 supply duct serving Register “D” (at the Brown Room 27).
5. At wall between Classroom 4 and Corridor 48, provide combination fire/smoke damper at duct penetrations of Corridor wall at 12/4 supply ducts serving Register “E”.
6. At wall between Restroom 29A and Store Room 28H and Corridor 44, provide combination fire/smoke damper at duct penetrations of Corridor wall at 12/14 supply duct and 30/12 return duct serving Wall Grille “BF”.

Drawings, Sheet M7 of 8, Sequence Number 19.

1. For every new Rooftop Air Conditioning Unit (RTU), provide a 24” X 24” X 4” high, 20 gauge galvanized sheetmetal pan, anchored to roofing wear pad, to receive condensate drain discharge. Condensate drain piping shall be Type L Copper with drainage type soldered fittings or Schedule 40 PVC with drainage solvent welding type fittings. If PVC is used, the entire exposed PVC pipe shall be painted with one coat of latex paint in order to minimize ultraviolet degradation of the piping.

Drawings, Sheet M8 of 8, Sequence Number 20.

1. At Details for “Pipe Support Detail, “Condensate Drain Detail”, and “A/C Curb Detail”, change the term “built-up roof” to be “modified bitumen roof”.
2. At Detail for “A/C Roof Curb Detail”, change reference note of “SEE STRUCTURAL” to “SEE ARCHITECTURAL”.

3. At Rooftop Air Conditioning Unit Schedule:
   - Add RTU-10 to third group of units serving RTU-2,4,5,9, etc.
   - Add RTU-30 to fourth group of units serving RTU-1, 11, 29, etc.

- Air flows on the left side of the columns are in CFM. Numbers on the right side are in L/s.
- Capacity for capacities on the left side of the columns are in MBH or 1,000 BTU/HR. Numbers on the right side are in Watts.

4. At the Rooftop Air Conditioning Unit Schedule notes, the "hail guard" shall be constructed as follows: Hail guards shall be constructed of 20 gauge minimum galvanized sheetmetal with finish to match that specified for unit casing in a design similar to that of the unit manufacturer's design for an economizer hood, with the sheetmetal angling out away from the unit casing. The hail guard shall not impede the air flow to the condenser coil, and shall be of a design recommended by the manufacturer of the air conditioning equipment.

Drawings, Sheets E1, E2 & E3 of 12, Sequence Numbers 25, 26 & 27.

1. Items indicated by dashed lines are light fixtures that are to be removed as a part of this project along with all exposed wiring and conduit. Concealed wiring and outlet boxes serving existing lighting fixtures may be reused.
2. For lighting fixtures that are removed, note that mercury containing lamps such as fluorescent light bulbs or any other mercury containing light bulb shall be considered and handled as hazardous waste for recycle. The contractor shall collect these old/used bulbs or tubes and very carefully deliver them to the PWBC-PPOC yard. For disposal and recycling of these bulbs, have the Contracting Officer's representative contact the PWBC-PPOC yard hazardous waste supervisor before delivery to the yard so that packaging requirements for transport of the bulbs can be determined. Fluorescent light fixture ballasts shall be treated in a similar manner.
3. Remove electrical connections for existing restroom exhaust fans.
4. Existing exit lights are existing to remain, although it will be required to remove and reinstall the exit lights in the replacement ceiling.
5. Existing battery pack type emergency lights and bracket type light fixtures in restrooms and other small rooms are existing to remain in service.
6. Refer to Drawings, Sheet M1 for Sheet E1, Sheet M2 for Sheet E2, and Sheet M3 for Sheet E3. For every existing air conditioning unit, fan & coil unit, unit ventilator, and fan indicated to be removed on the Mechanical Sheets, remove the electrical connections for this equipment and any exposed conduit and conductors. Identify the appropriate circuit and panel served with a label at the panelboard.

Drawings, Sheet E1 of 12, Sequence Number 25.

1. The empty note symbol in the vicinity of Closet 112B refers to Note 1.

Drawings, Sheet E2 of 12, Sequence Number 26.

1. At Restroom 48A, the dashed line wall mounted light fixture is an existing fixture that is to remain in service.
2. At Restrooms 15A and 16A, the existing light fixtures are to remain in service.

Drawings, Sheet E3 of 12, Sequence Number 27.

1. At Restrooms 1B, 2B, 17A, 18A, 19A, 20A, 21A, 22A, 23A, 29A, 29B, 31A and 31B, the existing light fixtures are to remain in service.

Drawings, Sheets E4, E5, & E6 of 12, Sequence Numbers 28, 29, & 30.

1. Existing light switches shall be reused on this project. Include in the bid the replacement of ten (10) three way light switches and fifteen (15) single pole light switches to be used where existing switches are in less than acceptable condition.

Drawings, Sheet E4 of 12, Sequence Number 28.

1. At Restroom 109A, 110A, 111A, 112A, 113A, and 114A the 2 ft x 2 ft light fixture is a "D" light fixture.
2. At Closet 109B, 110B, 111B, 112B, 113B, and 114B the 2 ft x 2 ft light fixture is a "D" light fixture.
3. At Library 106, the 2 ft x 4 ft sized light fixtures are "C" light fixtures. The 2 ft x 2 ft sized light fixture near one of the doors is a "D" light fixture.
4. At Music Room 123, the 2 ft x 4 ft sized fixture closest to the exit is an "A" light fixture.
5. At Art Room 121, the south most 2 ft x 4 ft sized fixture is an "A" light fixture.
6. At Corridor 115 and Corridor 116, all of the new light fixtures are "B" light fixtures.
7. Indicate a Note 1 to light fixtures in Library Office 105 and Guidance Room 25.
8. At Restrooms 13B and 14B, the 2 ft x 2 ft light fixture is a "D" light fixture.

Drawings, Sheet E5 of 12, Sequence Number 29.

1. At the Vestibule, just east of Corridor 118, the undesignated light fixture is "B".
2. At Corridor 136, the light fixtures are "B".
3. At Restroom 48A, the new ceiling light fixture is a "F" drum light.
4. Indicate a Note 1 to light fixtures in Testing Room 34, Corridor 136, and Restroom 48A.

Drawings, Sheet E6 of 12, Sequence Number 30.

1. At Kitchen 28, all of the "J" light fixtures are actually 2 ft x 4 ft nominal size.
2. At Storage Rooms 1A, 2A, and 4A, the new light fixtures are "H".
3. At Stor Rm 28H, Janitor Closet 40 and Janitor Closet 50A, the new light fixture is "F".

Drawings, Sheet E7 of 12, Sequence Number 31.

1. Except for new receptacles called for on this addendum, all electrical receptacles and data/telephone outlets indicated are existing. Only those receptacles indicated as being circuited have work under this project. The remaining receptacles are existing to remain in service.
2. At the Rooms with existing cable TV outlets, provide new duplex electrical receptacle adjacent to the TV outlet. Extend and connect to nearest 120 Volt branch circuit. Receptacle adjacent to TV outlet shall not be connected to dedicated circuits serving computers. This includes the following rooms: 13, 14, 106 (two), 107, 108, 109, 110, 111, 112, 113, 114, 121, 122, 123, and 126.
3. At existing administrative rooms, provide new surface mounted, dedicated computer duplex, isolated ground, electrical receptacle. Coordinate exact location with existing surface mounted data outlet locations. Dedicated circuits for new receptacles will be provided in the following rooms, with serving panel indicated: Workroom 108 (Panel LP-2B), Speech Room 107 (Panel LP-2C), Library Office 105 (Panel LP-2A), Guidance Room 25 (Panel LP-3C), Office 127 and Testing Room 125 (Panel LP-2F).
4. At Room 121A, delete the new panel indicated by a Note 1.

Drawings, Sheet E8 of 12, Sequence Number 32.

1. Classroom 128, Classroom 129, and Workroom 131 have work under this Contract.
2. Except for new receptacles called for on this addendum, all electrical receptacles and data/telephone outlets indicated are existing. Only those receptacles indicated as being circuited have work under this project. The remaining receptacles are existing to remain in service.
3. At the Rooms with existing cable TV outlets, provide new duplex electrical receptacle adjacent to the TV outlet. Extend and connect to nearest 120 Volt branch circuit. Receptacle adjacent to TV outlet shall not be connected to dedicated circuits serving computers. This includes the following rooms: 7, 8, 9, 10,11, 12,15, 16, 128, and 129.
4. At existing administrative rooms, provide new surface mounted, dedicated computer duplex, isolated ground, electrical receptacle. Coordinate exact location with existing surface mounted data outlet locations. Dedicated circuits for new receptacles will be provided in the following rooms, with serving panel indicated: Nurse Office 33 (Panel LP-1E), Workroom 36 (Panel LP-1E), Testing Room 34 (Panel LP-1F), and Workroom 131 (Panel LP-3F).
5. At Classroom 128 and Classroom 129, change the referenced panel for circuits from “LP-EF” to “LP-3F”.
6. Panel “LP-3” is located adjacent to HUB #003 at Workroom 131.

Drawings, Sheet E9 of 12, Sequence Number 33.

1. Except for new receptacles called for on this addendum, all electrical receptacles and data/telephone outlets indicated are existing. Only those receptacles indicated as being circuited have work under this project. The remaining receptacles are existing to remain in service.
2. At the Rooms with existing cable TV outlets, provide new duplex electrical receptacle adjacent to the TV outlet. Extend and connect to nearest 120 Volt branch circuit. Receptacle adjacent to TV outlet shall not be connected to dedicated circuits serving computers. This includes the following rooms: 1, 2, 3, 4, 5, 6, 17, 18, 19, 20, 21, and 23.
3. At existing administrative rooms, provide new surface mounted, dedicated computer duplex, isolated ground, electrical receptacle. Coordinate exact location with existing surface mounted data outlet locations. Dedicated circuits for new receptacles will be provided in the following rooms, with serving panel indicated: Principal’s Office 23 (Panel LP-1A), Office 22 (Panel LP-1B), Office 31 (Panel LP-1B), Workroom 21 (Panel LP-1B), and Office 28C (Panel LP-3A).
4. At Restroom 17A, the new panel is Panel “LP-3A”.

Drawings, Sheet E10 of 12, Sequence Number 34.

1. Provide duct mounted smoke detectors with fan shutdown in accordance with the requirements of NFPA 72 and NFPA 90A at the following Rooftop Air Conditioning Units: RTU-1, RTU-11, RTU-12, RTU-13, RTU-14, RTU-29, RTU-30, RTU-41, and RTU-42. Tie-in the new smoke detectors with the existing addressable fire alarm system.
2. Provide 30 Amp/3 Pole/480 Volt/NEMA 3-R, non-fused disconnect switch with 3 #10 THWN and 1 #10 THWN ground conductor in ¾ inch conduit, circuited as indicated, for the following Rooftop Air Conditioning Units: RTU-3, RTU-8, RTU-15, RTU-24, RTU-37, and RTU-38.
3. Provide 60 Amp/3 Pole/480 Volt/NEMA 3-R, non-fused disconnect switch with 3 #10 THWN and 1 #10 THWN ground conductor in ¾ inch conduit, circuited as indicated, for the following Rooftop Air Conditioning Units: RTU-6, RTU-7, RTU-19, RTU-20, RTU-21,

RTU-22, RTU-23, RTU-25, RTU-26, RTU-27, RTU-28, RTU-31, RTU-32, RTU-33, RTU-34, RTU-35, and RTU-36.

4. Provide 60 Amp/3 Pole/480 Volt/NEMA 3-R, non-fused disconnect switch with 3 #8 THWN and 1 #10 THWN ground conductor in 1 inch conduit, circuited as indicated, for the following Rooftop Air Conditioning Units: RTU-2, RTU-4, RTU-5, RTU-9, RTU-10, RTU-16, RTU-17, RTU-18, RTU-39, and RTU-40.
5. Provide 60 Amp/3 Pole/480 Volt/NEMA 3-R, non-fused disconnect switch with 3 #6 THWN and 1 #10 THWN ground conductor in 1 inch conduit, circuited as indicated, for the following Rooftop Air Conditioning Units: RTU-1, RTU-11, RTU-29, RTU-30, RTU-41, and RTU-42.
6. Provide 60 Amp/3 Pole/480 Volt/NEMA 3-R, non-fused disconnect switch with 3 #6 THWN and 1 #10 THWN ground conductor in 1 inch conduit, circuited as indicated, for the following Rooftop Air Conditioning Units: RTU-12, and RTU-13.
7. Provide 100 Amp/3 Pole/480 Volt/NEMA 3-R, non-fused disconnect switch with 3 #3 THWN and 1 #8 THWN ground conductor in 1-1/4 inch conduit, circuited as indicated, for the following Rooftop Air Conditioning Unit: RTU-14.
8. Provide weatherproof exterior receptacle adjacent to the new Rooftop Air Conditioning Units indicated. At each new receptacle, extend and connect to nearest 120 Volt branch circuit. Outdoor receptacle shall not be connected to dedicated computer circuits. Locate receptacles adjacent to the following units: RTU-7, RTU-6, RTU-23, RTU-17, RTU-15, RTU-19, RTU-20, RTU-30, RTU-35, and RTU-31.

Drawings, Sheet E11 of 12, Sequence Number 35.

1. At existing General Electric, 2000 Amp Main Switchboard “MSB”, remove switches serving equipment being removed (Chillers, etc.) and provide one (1) new 1000 Amp/3 Pole circuit breaker to serve new Panel “AC” and one (1) new 225 Amp/3 Pole circuit breaker to serve new Panel “LP-3”.
2. Provide new transient voltage surge suppression (TVSS) panels to serve new and existing panels as indicated. Connect with line side of main feeder to each of the following panels: Panel “LP-1”, Panel “LP-2”, and Panel “LP-3”.
3. The feeders serving existing Panels “LP-1” and “LP-2” are existing and are to remain in service. The feeders serving new Panels “LP-3” and “AC” are new.
4. At the Electrical Symbols, the symbols for emergency lighting and exit lights are to indicate existing fixtures on this project. No new emergency lighting fixtures or exit lights will be required.

Drawings, Sheet E12 of 12, Sequence Number 36.

1. Panel “AC” is a main lugs only, surface mounted, NEMA 1 panelboard with a rating of 40,000 AIC.
2. Panel “LP-3” has a minimum rating of 20,000 AIC. All other new panels have a minimum rating of 10,000 AIC.

SECTION 01010

[AM#1]CONTRACT CONSIDERATIONS

PART 1 GENERAL

1.1 CONTRACTOR ACCESS AND USE OF THE PREMISES

1.1.1 Commencement of Work

The Contractor should duly note that commencement of work as indicated in section 01000 CONSTRUCTION SCHEDULE does not necessarily indicate that the facility will be available for normal construction operations. Reference the remainder of these specifications for phasing, additional contract time, and availability of work criteria.

1.1.2 Station and Activity Regulations

Ensure that Contractor personnel employed on the Station become familiar with and obey Station and Activity regulations. Keep within the limits of the work areas and avenues of ingress and egress. Do not enter restricted areas unless required to do so and until cleared for such entry. The Contractor’s equipment shall be clearly marked for identification.

1.1.3 Working Hours

1.1.3.1 Access Allowed

In facilities where Contractor will be permitted access to selected area inside the occupied facility, regular working hours shall consist of an 8.5 hour period between 7:30 and 4:00 pm, Monday through Friday, excluding Government holidays unless otherwise specified herein.

1.1.3.2 No Access Allowed

In facilities where Contractor will not be allowed access inside the occupied facility, regular working hours shall consist of an 8.0 hour period between 3:00 and 11:00 pm, Monday through Friday, excluding Government holidays unless otherwise specified herein.

1.1.4 Work Outside Regular Hours

Work performed during hours outside of regular hours is subject to Contracting Officer approval. Contractor shall make application 7 calendar days prior to such work to facilitate arrangements to be made by the Government for inspecting work in progress. Application shall give the specific dates, hours, locations, type of work to be performed, contract number and project title.

1.1.5 Utility Cutovers

Contractor shall make effort to exact any required utility cutovers outside of regular working hours to minimize any impact in occupied facilities.

1.2 SPECIAL REQUIREMENTS FOR OCCUPIED BUILDINGS

The work under this contract requires special attention to the scheduling and conduct of the work in connection with existing building operations.

1.2.1 Interruptions

Contractor shall identify on the construction schedule any activity or factor with potential to create interruption to the normal operation of the building.

1.2.2 Life Safety and Egress

During any time the building is occupied, all code requirements for life safety and building egress/evacuation must be maintained.

1.2.3 Security

The existing buildings and their contents must be kept secure at all times. Contractor will provide and install temporary closures as required to maintain physical security of the building and contents as directed by the Contracting Officer.

1.2.4 Noise

The Contractor shall be aware of and recognize the fact that he is working in occupied building facilities and should apply conscientious effort to minimize noise in areas where it could be detrimental to building operations (e.g. adjacent to occupied classrooms). If it is judged that normal contractor operations would create noise of a level that would be detrimental to these operations, that portion of the work should be performed outside the hours of building occupancy.

1.2.5 Dust Covers

Contractor shall provide temporary dust covers or protective enclosures to protect any furnishings, equipment or materials that are not required to be relocated during construction in any area. Covers or enclosures shall also be provided to protect existing construction that is to remain.

1.2.6 Furnishings and Equipment

In areas where furniture or equipment relocation that will not be performed by the user is required to perform the required work, Contractor shall relocate movable items away from the working area, protect the furniture or equipment, or replace items damaged. The areas that users will facilitate furniture relocation are identified elsewhere in these specifications. Items shall be relocated to their original position following the completion of the work. Leave attached

items in place and protect them from damage, or temporarily disconnect, relocate, protect and reinstall them upon completion of the work. All items must be fully operational as certified by the appropriate authority upon completion of the work.

1.2.7 Conduct and Dress

Workers shall be properly attired at all times. Full length pants (no shorts), shirts (tee-shirt minimum), and proper shoes (no thongs, flip-flops or open toed sandals) are required. These criteria do not release Contractor responsibility from more stringent safety and dress criteria, however. Logos, slogans or other adornment of clothing that could be considered to be offensive to minors are prohibited. No smoking will be permitted in the buildings. Smoking will be permitted only in designated outdoor areas. The contractor shall ensure that all lunch and breaktime debris are contained and removed from the project site at the end of each break or lunch period and disposed of properly. The contractor shall confine his personnel to the area within which the work is being performed. Profanity is strictly forbidden. The utmost courtesy shall be extended to the building occupants at all times. Conversation with occupants shall be limited to and pertain to the work at hand. All privately owned vehicles shall be parked in the contractor storage and staging area. Lights shall be turned off and doors and windows shall be locked after work in buildings following regular work hours.

1.2.8 Use of Building Facilities and Equipment

No items in the facilty are to be used by the Contractor ‘s personnel. Brooms, vacuums, cleaning supplies, telephones, restrooms, cafeteria facilites, etc. shall not be used by the Contractor’s personnel.

1.2.9 Restoration of Occupied Spaces

In the event that work has been performed in occupied spaces outside of regular work hours, the Contractor shall restore the space to its prior, occupiable and usable condition prior to conclusion of the days work. The space shall be available for use without restriction or interference the following day. All tools, supplies, materials, and equipment shall either be removed from the premises, or stored in such a manner as not to interfere with the facilities normal operations, subject to prior approval of the Contracting Officer. All dust and debris shall be removed from occupied spaces prior to the conclusion of work for the day.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION (Not Used)

-- End of Section --

SECTION 01500

TEMPORARY CONSTRUCTION FACILITIES

PART 1 GENERAL

1.1 GENERAL REQUIREMENTS

1.1.1 Site Plan

The Contractor shall be limited to the area indicated on the drawings for material storage, temporary offices and sanitary facilities. The Contractor shall prepare a site plan indicating the proposed number of trailers to be used, avenues of ingress/egress to the fenced area and details of the fence installation. Any areas which may have to be graveled to prevent the tracking of mud shall also be identified. The Contractor shall also indicate if the use of a supplemental or other staging area is desired.

1.1.2 Identification of Employees

The Contractor shall be responsible for furnishing to each employee and for requiring each employee engaged on the work to display identification as approved and directed by the Contracting Officer. Prescribed identification shall immediately be delivered to the Contracting Officer for cancellation upon release of any employee. When required, the Contractor shall obtain and provide fingerprints of persons employed on the project. Contractor and subcontractor personnel shall wear identifying markings on hard hats clearly identifying the company for whom the employee works.

1.1.3 Employee Parking

Contractor employees shall park privately owned vehicles in the area designated on the drawings. Contractor employee parking shall not interfere with existing and established parking requirements of the military installation.

1.2 AVAILABILITY AND USE OF UTILITY SERVICES

1.2.1 Payment for Utility Services

The Government will make all reasonably required utilities available to the Contractor from existing outlets and supplies, as specified in the contract. The Contractor shall carefully conserve all utilities furnished without charge.

1.2.2 Temporary Connections

The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall provide and maintain necessary temporary connections, and distribution lines, required for the purpose of completing this project. The Contractor shall notify the Contracting Officer, in writing, 5 working days before final electrical connection is desired so that the Government can make the final hot connection after inspection and approval of the Contractor's temporary wiring installation. Under no circumstance shall the Contractor make the final electrical connection.

1.2.3 Sanitation

The Contractor shall provide and maintain within the fenced construction storage area minimum field-type sanitary facilities approved by the Contracting Officer. Existing facility toilet facilities will not be available to Contractor's personnel.

1.2.4 Telephone

The Contractor shall make arrangements and pay all costs for telephone facilities desired.

1.3 BULLETIN BOARD, PROJECT SIGN, AND PROJECT SAFETY SIGN

1.3.1 Bulletin Board

Immediately upon beginning of work, the Contractor shall provide a weatherproof glass-covered bulletin board not less than 36 by 48 inches in size for displaying the Equal Employment Opportunity poster, a copy of the wage decision contained in the contract, Wage Rate Information poster, and other information approved by the Contracting Officer. The bulletin board shall be located at the project site in a conspicuous place easily accessible to all employees, as approved by the Contracting Officer. Legible copies of the aforementioned data shall be displayed until work is completed. Upon completion of work the bulletin board shall be removed by and remain the property of the Contractor.

1.3.2 Project and Safety Signs

The requirements for the signs, their content, and location shall be as shown on the drawings. The signs shall be erected within 15 days after receipt of the notice to proceed. The data required by the safety sign shall be corrected daily, with light colored metallic or non-metallic numerals. Upon completion of the project, the signs shall be removed from the site.

1.4 PROTECTION AND MAINTENANCE OF TRAFFIC

During construction the Contractor shall provide access and temporary relocated roads as necessary to maintain traffic. The Contractor shall maintain and protect traffic on all affected roads during the construction period except as otherwise specifically directed by the Contracting Officer. Measures for the protection and diversion of traffic, including the provision of watchmen and flagmen, erection of barricades, placing of lights around and in front of equipment and the work, and the erection and maintenance of adequate warning, danger, and direction signs, shall be as required by the State and local authorities having jurisdiction. The traveling public shall be protected from damage to person and property. The Contractor's traffic on roads selected for hauling material to and from the site shall interfere as little as possible with public traffic. The Contractor shall investigate the adequacy of existing roads and the allowable load limit on these roads. The Contractor shall be responsible for the repair of any damage to roads caused by construction operations.

1.4.1 Barricades

The Contractor shall erect and maintain temporary barricades to limit public access to hazardous areas. Such barricades shall be required whenever safe public access to paved areas such as roads, parking areas or sidewalks is prevented by construction activities or as otherwise necessary to ensure the safety of both pedestrian and vehicular traffic. Barricades shall be securely placed, clearly visible with adequate illumination to provide sufficient visual warning of the hazard during both day and night.

1.5 CONTRACTOR'S TEMPORARY FACILITIES

1.5.1 Administrative Field Offices

The Contractor shall provide and maintain administrative field office facilities within the fenced construction storage area as indicated on drawings. Government office and warehouse facilities will not be available to the Contractor's personnel.

1.5.2 Storage Area

The Contractor shall construct a temporary 6 foot high chain link fence around trailers and materials. The fence shall include plastic strip inserts, colored green, so that visibility through the fence is obstructed. Fence posts may be driven, in lieu of concrete bases, where soil conditions permit. Trailers, materials, or equipment shall not be placed or stored outside the fenced area unless such trailers, materials, or equipment are assigned a separate and distinct storage area by the Contracting Officer away from the vicinity of the construction site but within the military boundaries. Trailers, equipment, or materials shall not be open to public view with the exception of those items which are in support of ongoing work on any given day. Materials shall not be stockpiled outside the fence in preparation for the next day's work. At the end of each work day mobile equipment, such as tractors, wheeled lifting equipment, cranes, trucks, and like equipment, shall be parked within the fenced area.

1.5.3 Supplemental Storage Area

Upon Contractor's request, the Contracting Officer will designate another or supplemental area for the Contractor's use and storage of trailers, equipment, and materials. This area may not be in close proximity of the construction site but shall be within the military boundaries. Fencing of materials or equipment will not be required at this site; however, the Contractor shall be responsible for cleanliness and orderliness of the area used and for the security of any material or equipment stored in this area. Utilities will not be provided to this area by the Government.

1.5.4 Appearance of Trailers

Trailers utilized by the Contractor for administrative or material storage purposes shall present a clean and neat exterior appearance and shall be in a state of good repair. Trailers which, in the opinion of the Contracting Officer, require exterior painting or maintenance will not be allowed on the military property.

1.5.5 Maintenance of Storage Area

Fencing shall be kept in a state of good repair and proper alignment. Should the Contractor elect to traverse with construction equipment or other vehicles grassed or unpaved areas which are not established roadways, such areas shall be covered with a layer of gravel as necessary to prevent rutting and the tracking of mud onto paved or established roadways; gravel gradation shall be at the Contractor's discretion. Grass located within the boundaries of the construction site shall be mowed for the duration of the project. Grass and vegetation along fences, buildings, under trailers, and in areas not accessible to mowers shall be edged or trimmed neatly.

1.5.6 New Building

In the event a new building is constructed for the temporary project field office, it shall be a minimum 12 feet in width, 16 feet in length and have a minimum of 7 feet headroom. It shall be equipped with approved electrical

wiring, at least one double convenience outlet and the required switches and fuses to provide 110-120 volt power. It shall be provided with a work table with stool, desk with chair, two additional chairs, and one legal size file cabinet that can be locked. The building shall be waterproof, shall be supplied with heater, shall have a minimum of two doors, electric lights, a telephone, a battery operated smoke detector alarm, a sufficient number of adjustable windows for adequate light and ventilation, and a supply of approved drinking water. Approved sanitary facilities shall be furnished. The windows and doors shall be screened and the doors provided with dead bolt type locking devices or a padlock and heavy duty hasp bolted to the door. Door hinge pins shall be non-removable. The windows shall be arranged to open and to be securely fastened from the inside. Glass panels in windows shall be protected by bars or heavy mesh screens to prevent easy access to the building through these panels. In warm weather, air conditioning capable of maintaining the office at maximum 50 percent relative humidity and a room temperature 20 degrees F below the outside temperature when the outside temperature is 95 degrees F, shall be furnished. Any new building erected for a temporary field office shall be maintained by the Contractor during the life of the contract and upon completion and acceptance of the work shall become the property of the Contractor and shall be removed from the site. All charges for telephone service for the temporary field office shall be borne by the Contractor, including long distance charges up to a maximum of $75.00 per month.

1.5.7 Security Provisions

Adequate outside security lighting shall be provided at the Contractor's temporary facilities. The Contractor shall be responsible for the security of its own equipment; in addition, the Contractor shall notify the appropriate law enforcement agency requesting periodic security checks of the temporary project field office.

1.6 CLEANUP

Construction debris, waste materials, packaging material and the like shall be removed from the work site daily. Any dirt or mud which is tracked onto paved or surfaced roadways shall be cleaned away. Materials resulting from demolition activities which are salvageable shall be stored within the fenced area described above or at the supplemental storage area. Stored material not in trailers, whether new or salvaged, shall be neatly stacked when stored.

1.7 RESTORATION OF STORAGE AREA

Upon completion of the project and after removal of trailers, materials, and equipment from within the fenced area, the fence shall be removed and will become the property of the Contractor. Areas used by the Contractor for the storage of equipment or material, or other use, shall be restored to the original or better condition. Gravel used to traverse grassed areas shall be removed and the area restored to its original condition, including top soil and seeding as necessary.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

NOT USED

--End of Section--