

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
---------------------	------	----	-------

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. <i>(If applicable)</i>
6. ISSUED BY	CODE	7. ADMINISTERED BY <i>(If other than Item 6)</i>	CODE

8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(X)	9A. AMENDMENT OF SOLICIATION NO.
		9B. DATED <i>(SEE ITEM 11)</i>
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED <i>(SEE ITEM 11)</i>
CODE		FACILITY CODE

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 _____ 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 your 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 ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> 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 <i>(such as changes in paying office, appropriation date, etc.)</i> 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 <i>(Specify type of modification and authority)</i>

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.)*

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 <i>(Type or print)</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
<i>(Signature of person authorized to sign)</i>	<i>(Signature of Contracting Officer)</i>

Item 14. Continued.

CHANGES TO THE SPECIFICATIONS

1. Replacement Section - Replace the following section with the accompanying new section of the same number and title, bearing the notation "ACCOMPANYING AMENDMENT NO. 0003 TO SOLICITATION NO. DACW63-01-B-0006:"

04405A

**SPECIFICATIONS FOR CONCRETE MASONRY UNITS FILLED
WITH CONCRETE**

CHANGES TO THE DRAWINGS

2. Replacement Drawing.- Replace the drawing attached at the end of SECTION 02882 - CONSTRUCTION OF FORM-POST PICNIC/CAMPING SHELTERS with the accompanying new drawing titled "DACW63-01-B-0006, AMENDMENT 0003" and "CANYON LAKE, TX, FOUR POST SHELTER CONSTRUCTION PLAN, SPECIFICATION # 02882."

END OF AMENDMENT

SECTION 04405A - SPECIFICATIONS FOR CONCRETE MASONRY UNITS FILLED WITH CONCRETE.

1. SCOPE OF WORK:

1.1. Furnish all tools, labor, equipment and materials (as noted) to install concrete masonry units, both standard and split-face type, and fill with concrete at various sites on Belton, Stillhouse Hollow, Georgetown, Granger, and Canyon Lakes, in accordance with the following specifications and drawings:

2. MATERIALS:

2.1. The Government shall furnish all concrete masonry units, lintel material, and anchor bolts. The materials provided by the Government shall be stored at the lake office requiring work. It will be the Contractor's responsibility to request supplies from Government personnel, and to sign for and pick up said materials and transport them to each job site. Once received, the security and condition of the materials shall be the responsibility of the Contractor.

2.2. Salvage of Government-furnished materials resulting from the work performed under this specification shall remain property of the Government, and shall be returned for storage and/or disposed of as directed by the Contracting Officers Representative.

[Amend #3]

2.3 The Contractor shall furnish all mortar components, concrete, reinforcement bar, horizontal joint reinforcement, flashing, tools, labor, equipment, and any other incidentals necessary to complete work as described herein.

NOTE: Contractor shall be responsible for careful coordination with the slab contractor to ensure rock ledge, doorways, and cut outs, etc. are properly sized and placed.

3. SPECIFICATIONS:

3.1. Sample Panels:

3.1.a. A sample panel shall be constructed at the commencement of each job task whenever a new mason begins work, or at any other time the COR has concerns about work quality. Sample panels shall be of sufficient size to demonstrate complete competence by the mason. There will be no separate compensation for sample panels, therefore, they may be incorporated into and paid for as part of the construction at the discretion of the COR, if the work is found acceptable.

3.1.b. Otherwise, sample panels will be constructed close enough to proposed structure to provide ready comparison.

3.1.c. Construction shall not begin until the sample panel for the work has been approved.

3.1.d. Only approved materials shall be used in the sample panel.

3.1.e. All embedded items, a control joint, and other features shall be included in the panel.

3.1.f. Sample panel shall be cleaned to demonstrate effectiveness of cleaning solutions and methods.

3.2. Mortar:

3.2.a. All mortar shall be type "S" mortar cement and shall meet or exceed the "ASTM Standard Specification for Mortar for Unit Masonry" designation: C 270-88a and "ASTM Standard Specification for Aggregate for Masonry Mortar" Designation C 144-87.

3.2.b. Mortar mix for concrete masonry units shall be one part portland cement and one part masonry cement, by volume, with no additional lime. Color shall be selected per Task Order by the COR to complement the block unit color.

3.2.c. Water used in mortar shall be free from deleterious acids, alkalis and organic materials.

3.2.d. Mixing of mortar materials shall be accomplished by means of a mechanical mortar mixer. Materials shall be mixed a minimum of 5 minutes. The mixing drum shall be completely emptied before performing subsequent mixing.

3.2.e. Mortar that has stiffened shall be re-tempered by adding water as frequently as needed to restore the required consistency. No mortar shall be used beyond 2 1/2 hours after mixing.

3.2.f. Mortar used for tuck-pointing shall be prehydrated. All materials shall be mixed thoroughly without water. When mixed again use only enough water to produce a damp, unworkable mixture that retains its shape when pressed into a ball. This mixture shall then "rest" for one to two hours, at which time enough water shall be added to make the mortar workable.

3.2.g. All holes in exposed masonry shall be pointed. Defective joints shall be cut out and repointed with mortar.

3.2.h. Admixtures shall be used only at the discretion of the COR.

3.3. Ties, reinforcing bar, and anchors:

3.3.a. Ties and anchors, when required, shall be chromium-nickel stainless steel, types 302 and 304, or eraydo alloy zinc. Hot-dipped galvanized shall not be used due to corrosiveness. Corrugated metal ties shall be twenty-two (22) gauge, not less than seven-eighths inch (7/8") wide and six inches (6") long.

3.3.b. If the concrete masonry units are to receive natural stone veneer, wall ties shall be embedded at least two inches (2") into the horizontal mortar joints of the cells at a rate of no less than one (1) tie per two (2) square foot of wall area vertically or horizontally. Additional ties shall be placed within twelve inches (12") and at three foot (3') or less intervals around the perimeter of openings and on both sides of control or expansion joints.

3.3.c. All reinforcing bar shall be one-half inch (1/2") diameter. Sections of reinforcing must be lapped at least six (6) inches and wire-tied at all junctions.

3.3.d. Vertical rebars shall be installed at door and window openings, and on twenty-four inch (24") centers within the slab, be tied to the steel within the grade beam, and protrude a minimum of six inches (6") above the slab elevation. Rebar sections shall be lapped to each as described above, and continue vertically up through the following courses of masonry unit cells. The top course on load bearing walls shall be a bond beam using lintel blocks. All vertical rebars shall be extended through the lintel blocks and tied to a one-half inch (1/2") rebar laid horizontal within the lintel groove. Lintel blocks shall be solid filled with mortar mix or premixed concrete, and shall have anchor bolts to secure the trusses/roof framing imbedded therein.

[Amend #3]

3.3.e. Horizontal joint reinforcement, either ladder or z-bar design, shall be placed between courses of C.M.U. at appropriate intervals, in accordance with industry standards and/or instructions from the C.O.R.

3.4. All concrete masonry units shall be filled with premixed concrete having a compressive strength of 3000 psi. Contractor shall vibrate or rod concrete for the full depth of the courses to ensure that each cell is properly filled.

3.4.a. All courses shall be leveled throughout the length of the course with a string level or story pole.

3.4.b. Weep holes shall be placed in the joints of the bottom course as directed by the COR.

3.5. Lintels:

3.5.a. All lintel control joints shall be determined by the Contracting Officer's Representative.

3.5.b. Lintels shall bear not less than four (4) inches on each side of the opening. Lintels shall carry the load without deflection of more than 1/16 of an inch.

3.5.c. The following angle iron sizes shall be utilized for lintels:

<u>Clear span:</u>	<u>Angle size:</u>
4 feet maximum	3 1/2" x 3 1/2" x 5/16"
6 feet maximum	4" x 3 1/2" x 5/16"
8 feet maximum	5" x 3 1/2" X 5/16"

NOTE: Placement of expansion joints shall also be determined by the Contracting Officer's Representative.

3.6. Control joints:

3.6.a. When possible, use of control joints shall be limited due to unsightliness and maintenance.

3.6.b. Control joints shall be placed at:

(1) Both sides of openings over six (6) feet.

(2) Changes in wall height.

(3) Every twenty-five (25) feet on walls up to eight (8) feet in height.

(4) Every thirty (30) feet on walls eight (8) to twelve (12) feet in height.

(5) Every thirty-five (35) feet on walls over twelve (12) feet in height with joint reinforcement.

4. JOB ACCEPTANCE AND PAYMENT:

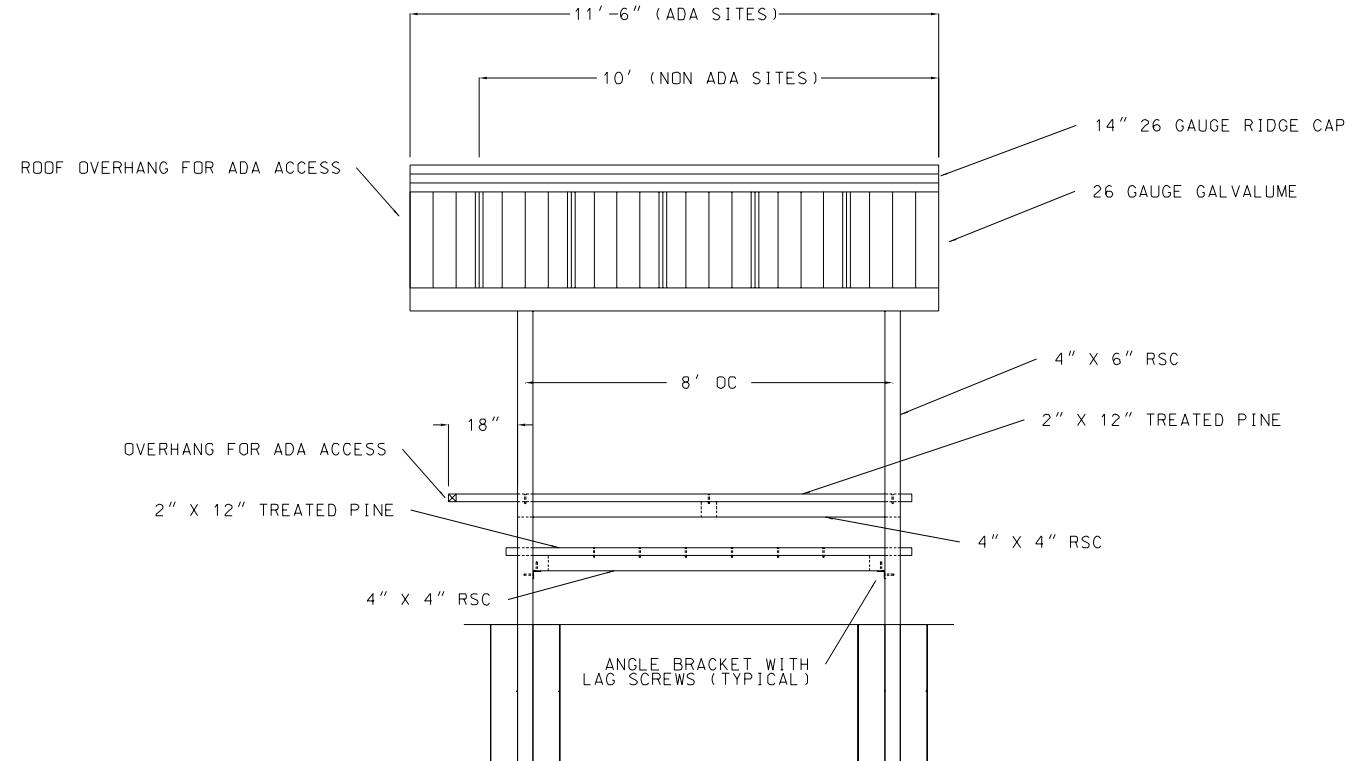
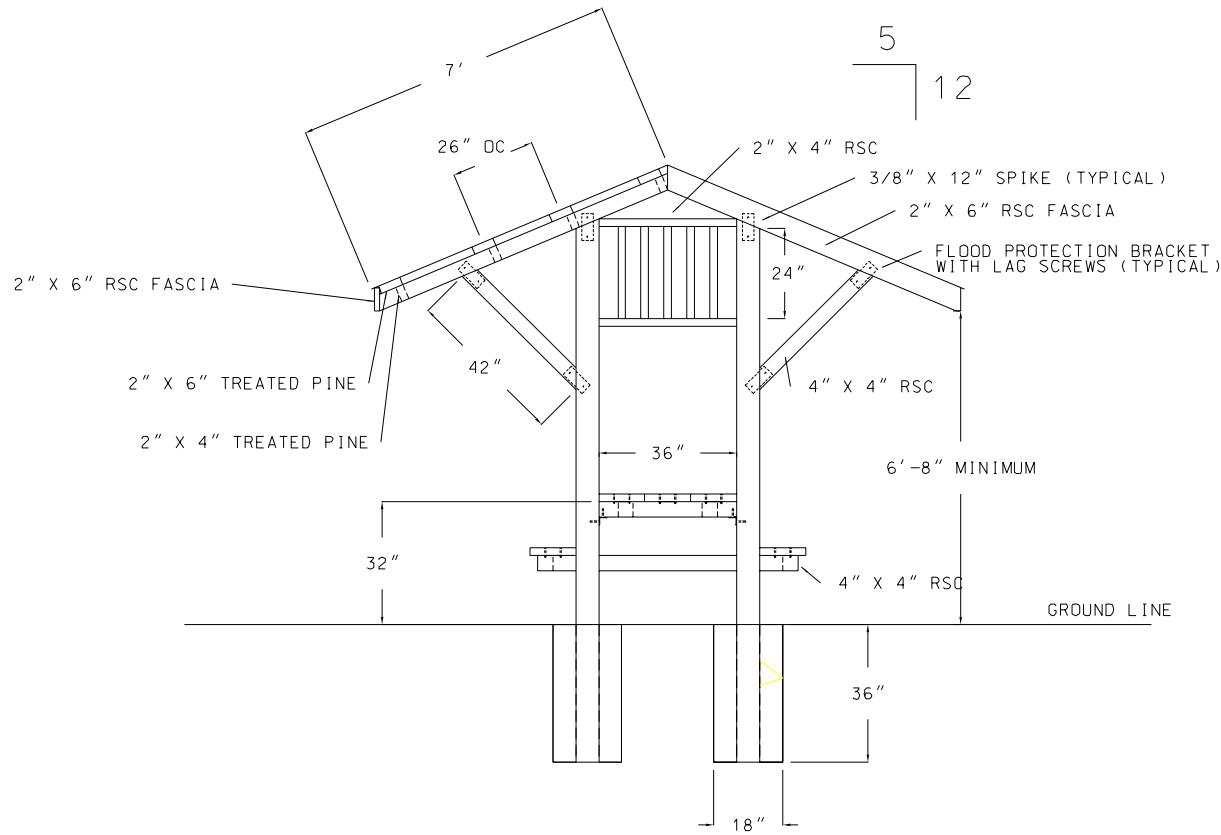
4.1. Prior to acceptance of completed job, the Contractor shall clean up and remove all trash, debris, and other refuse resulting from the Contractor's work. Disposal of such material and trash shall be off of Government property and the job site returned to as near original condition as possible. Mortar droppings which adhere to the masonry wall shall be allowed to dry before removing with a trowel to prevent embedding into the face of the unit. Mortar splatters and handprints shall be removed from all surfaces. All masonry pieces larger than one-fourth inch (1/4") shall be picked up and removed from the job site. Shaping, trimming and pointing of masonry units should be performed over plastic sheeting to attain compliance with this requirement.

4.2. Filled concrete masonry units installed as prescribed by these specifications shall be paid for at the unit price bid for services by the surface **square foot (SF)**. This price shall be full compensation for furnishing all tools, labor, materials, equipment, and other incidentals to complete all work as specified herein. For purposes of bidding, typical concrete masonry unit sizes will be eight inches (8") by eight inches (8") by sixteen inches (16").

4.3. No payment shall be made by the Government until all Contractor's work has been completed, inspected and approved by the COR.

NOTES:

1. ALL LAG SCREWS ARE 5/16" X 2-1/2".
2. FLOOD PROTECTION BRACKETS ARE 3" X 7" X 1/8" FLAT IRON.
3. ANGLE BRACKETS ARE 3" WIDE, CONSTRUCTED OF 2" X 2" X 3/16" ANGLE IRON.
4. 16 ANGLE BRACKETS ARE REQUIRED (6 ON EACH BENCH, 4 ON TABLE).
5. ADA SITES WILL CONSTITUTE NO MORE THAN 5% OF TOTAL SITES CONSTRUCTED.
6. DUE TO EXISTING SITE CONDITIONS, ACTUAL DIMENSIONS WILL BE DETERMINED IN THE FIELD.



LITTLE RIVER PROJECT
CANYON LAKE, TEXAS

FOUR POST SHELTER
CONSTRUCTION PLAN
SPECIFICATION # 02882