

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE 1	OF PAGES 4
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 08/30/2004	4. REQUISITION/PURCHASE REQ. NO. 33440520	5. PROJECT NO. (If applicable)		
6. ISSUED BY Naval Surface Warfare Center Crane 360 Highway 361, Contracting Officer, Code 1162NZ, Bldg. 64, Crane, IN 47522		7. ADMINISTARTED BY (If other than Item 6)			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO. N00164-04-R-4401
		9B. DATED (SEE ITEM 11) 08/20/2004
	<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
*TO BE COMPLETED BY VENDOR IF NOT COMPLETE	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 Offer is extended is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation on as amended, by one of the following methods:

(a) By completing Item 8 and 15, and returning 1 copies of the amendment; (b) 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 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 hours 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.

<input type="checkbox"/>	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.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14,
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	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.)

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	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	

.. The purpose of this amendment is to provide clarification to the requirement. The following questions were asked about the specification, and the following information is provided for informational purposes only. . **The solicitation closing date will not be extended.**

2. Do you intend to drive onto the floor of the Armory with a heavy duty fork lift? IT IS NOT OUR INTENT TO DRIVE A FORKLIFT IN THESE ARMORIES AS THERE IS NO DOOR LARGE ENOUGH TO GET THE FORKLIFT INSIDE.

3. Why are you requiring 2 inches of hardwood lining covered by an additional 5/8" thick plywood lining? THE WALL DESIGN IS BASED ON A PENETRATION RESISTANCE REQUIREMENT TO PROVIDE THE REQUIRED SECURITY AS DICTATED BY THE DEPARTMENT OF DEFENSE. THE HARDWOOD LINING MEETS THE SECURITY REQUIREMENT IN CONJUNCTION WITH THE STEEL EXTERIOR SHELL. THE 5/8" PLYWOOD GIVES US A GOOD MOUNTING SURFACE FOR RACKS, CABINETS, ECT. AS ALL MATERIAL NEEDS TO BE SECURE IN A MOBILE STRUCTURE. THE 5/8" ALSO HELPS ALLOW A LITTLE EXTRA WALL SECURITY IN THE EVENT THAT SOME WOOD SHRINKAGE OCCURS IN THE FUTURE.

4. Will you accept an alternate lining which meets the end use requirements? NO. NOT FOR THIS REQUIREMENT. IF THERE IS A WALL LINING THAT MEETS THE REQUIREMENTS AT A LOWER COST, IT WOULD BE NICE TO BE AWARE OF IT. TO USE AN ALTERNATE WALL DESIGN, IT HAS TO BE TESTED AND CERTIFIED AS MEETING DOD REQUIREMENTS.

5. What are your interior wall lining requirements? Other than a non-sparking surface with a white color interior surface. Do you need to secure heavy items to the interior walls and ceiling? SEE ABOVE. WALL LAYOUT IS DETAILED IN PARAGRAPHS 3.3.2 AND 3.3.3 ET AL

6. What are the minimum internal dimensions of the interior space? TAKE THE ARMORY SIZE SPECIFIED AND SUBTRACT THE WALL THICKNESS OF 2" HARDWOOD, 5/8" PLYWOOD AND THE R4 INSULATION (APPROX 1/2") AND YOU'LL GET A WALL THICKNESS OF 3.125". WE USUALLY ALLOW FOR A WALL THICKNESS OF 4". THIS WOULD MAKE THE INTERIOR DIMENSIONS 8" SMALLER THAN THE ARMORY SIZE SPECIFIED.

7. How many doors are on each shelter and are they single or double doors, L/H or R/H types? THERE IS ONE ENTRANCEWAY ON THE ARMORY. IT HAS A SINGLE SECURITY DOOR ON THE OUTSIDE THAT MEETS THE CONSTRUCTION STANDARDS OF PARAGRAPH 3.3.4. IN THE SAME OPENING, THERE IS AN ISSUE DOOR FOR ISSUING WEAPONS WHEN THE ARMORY IS MANNED AND OPERATING). THE ISSUE DOOR MEETS THE REQUIREMENTS SET FORTH IN PARAGRAPH 3.3.4.6 THE DOORS ARE USUALLY LEFT HAND HINGED. IS GENERALLY DUE TO THE LOCATION OF THE HVAC SYSTEM.

8. What is the minimum height of the skids? MINIMUM HEIGHT IS 6"

9. What is the min. height of the shelter not including the skids? THE HEIGHT OF THE SHELTER IS AS SPECIFIED IN THE SOLICITATION. IE. IF THE UNIT BEING CONSTRUCTED IS 20'L X 10'W X 10'H, THEN THE SHELTER HEIGHT IN 10'(EXTERIOR DIMENSIONS) + THE HEIGHT OF THE SKIDS.

10. Is the electrical system required to be explosion proof type? NO. THERE IS NOT A REQUIREMENT FOR EXPLOSION PROOF IN AN ARMORY. THE ONLY REFERENCE TO THIS IS IN PARAGRAPH 3.3.3.4. THE BLIND NAILING/COUNTERSINKING OF FASTENERS MAKES IT EASIER FOR US TO MAKE AN

ARMORY COMPATIBLE FOR TEMPORARY STOWAGE OF EXPLOSIVES IF OPERATIONALLY NECESSARY.

1. What type of power entry do you require, plug, hard wired or other? HARDWIRED ON THE EXTERIOR ENTRY BOX. THE ELECTRICAL SYSTEM IS 100 AMP WITH AN INTERIOR BREAKER PANEL.
2. Ref. sect. 3.3.4.6 day use / issue doors. "shall be a commercial quality steel Dutch style door ..." Is this steel door required to be covered with wood in order to hide the steel surface? NO. THE ISSUE DOOR DOES NOT HAVE TO BE COVERED.
3. May the HVAC unit be countersunk into the rear end wall? LET'S KEEP THE HVAC UNIT NEAR THE DOOR AS SPECIFIED IN PARAGRAPH 3.4.1. THIS MINIMIZES ELECTRICAL RUNS AND MAKES USE OF SPACE THAT IS NORMALLY NOT USED FOR WEAPONS STOWAGE. THAT CORNER OF THE UNIT WILL PROVIDE SPACE NEEDED FOR THE HVAC AND THE ELECTRIC BREAKER PANEL.
4. Is the HVAC system required to be explosion proof? NO. STANDARD COMMERCIAL SYSTEM IS FINE.
5. What Gross Weight rating do you require for this shelter. WE DON'T HAVE A GVW REQUIREMENT. IF THE UNIT IS BUILT TO CONTRACT SPECS. IT WILL MEET OUR OPERATIONAL REQUIREMENTS. AS THE UNIT IS NOT A SHIPPING CONTAINER IT IS NOT MAXED OUT WITH EQUIPMENT DURING SHIPMENT.
6. What is the expected payload and will the shelter be lifted from the top corners when it is fully loaded? I WOULD FIGURE THE BUILDING AS A NORMAL OCCUPIED STRUCTURE. USE THE FINAL WEIGHT OF THE STRUCTURE AND AN ESTIMATED PAYLOAD OF 40 POUNDS PER SQUARE FT AS IN A HOUSE. THE UNIT WILL BE LIFTED BY THE FOUR CORNERS, AND NEEDS TO BE CAPABLE OF BEING LIFTED WHILE LOADED.
7. Are the Skids really needed? If and ISO Container shape is approved the skids would probably not be needed because the military and the commercial transportation industry has numerous types of material handling equipment throughout the world available to move standard ISO containers/ shelters. YES, THE SKIDS ARE NEEDED. THE ISO CONTAINER REQUIREMENTS LIMITS THE SIZES AVAILABLE. ADDITIONALLY, THE SKIDS ALLOW THE UNITS TO BE MOVED INTO AND OUT OF AVAILABLE SPACE (DRAGGED IF NEEDED). THE SKIDS ALSO PROVIDE A SUITABLE FOUNDATION FOR THE UNITS WHEN PLACED FOR OPERATION.
8. Ref. sect. 3.3.8.1 Skids/ runners Paragraph. b. " Tube sections shall be fully welded to the skid (see Attachment 14). I can not see where Attachment 14 provides any information on the Tube sections of the steel skids. Please advise. SKID TUBE SECTIONS ARE SPECIFIED IN PARAGRAPH 3.3.8.1. READ THE REST OF THE PARAGRAPH...SUBPARAGRAPHS A) AND B) SPECIFY TUBE REQUIRED FOR 6" AND 8" SKIDS.
9. Is an alternate interior lining consisting of 1 1/2" of foam board, 3/8" OSB board covered with .03 HDPE white plastic lining acceptable? This lining is common in other military shelters. The standard features are non-sparking, and no exposed fasteners. The advantages over 2 5/8" thick wood are: Better Insulation value, less tare weight, more cubic capacity, less cost, paint is not needed the plastic liner is washable and easy to clean therefore requires less maintenance. If heavy items are required to be

secured to the walls or ceiling hard points can be provided behind the insulation for this purpose. NO. THE ALTERNATE DESIGN IS NOT ADEQUATE. SEE ANSWERS TO QUESTIONS 4 AND 5 ABOVE.

Q10. What is the optional door on Attachment 14? The door is just an optional entrance that is not required for any of the armories under this solicitation.

Q11. The pictures of the armories in Attachments 14 and 15 shows vents in different places. Attachment 14 states "vents QTY of 4, two front/2 back. Location should not affect cost. We will specify location of vents by diagram after award. Be sure the vents meet the requirements of paragraph 3.4.2

Q12. Paragraph 3.3.1.1 - with regards to roof stiffeners- any drawings on size of the stiffeners and are they supposed to be on the outside or inside?

The stiffeners are on the interior wherever width/height exceeds 8' (walls-floors-ceiling). Stiffeners shall be of steel construction and shall be of adequate size and spacing to provide for load distribution and structural support during lifting and moving operations. There are no drawings.

Q13. How are these items shipped? Any crating involved? They are shipped by truck, ocean freight and air or a combination of one or more depending on designation. They are mostly overwidth/overheight and required oversize permits. There is no crating unless required by the individual shipper or mode of transportation.

Q14. As to the duplex, is there any thing that specifies how this is split? Are these made to a different drawing?

The duplex units are usually split right in the middle of the width for transportation on 2 trucks (anything over 8' wide is still an oversize load). If you exceed 15' wide you cannot transport period over any roads. A drawing and specification are two different things. The duplex is made to the same specifications but there is no drawing on how to split. It's up to the manufacturer to split one item into two items for transportation and rejoin to meet specifications. He must devise some type of a flange system for top, bottom and both ends to bolt the 2 pieces back together, be waterproof and meet structural specifications.

Q15. With regards to vents, is there anything special to make them ballistic proof?

The outer louvers on the vents must be at a minimum 5/8" steel.

Q16. Prior contractors -

Armag- Bardstown, Kentucky --
Padgett - New Albany, Indiana-

The most commonly purchased sizes are 20' x 10' x 10' and 24' x 10' x 10' and 44' x 27' x 10'.

Q17. ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.