

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1 CONTRACT ID CODE See Block #2	PAGE OF PAGES 1 of 4
2 AMENDMENT/MODIFICATION NO 0001	3 EFFECTIVE DATE 29 AUG 2008	4 REQUISITION/PURCHASE REQ NO	5 PROJECT NO (If applicable)	
6 ISSUED BY AEDC PKE AEDC/PKE 100 KINDEL DRIVE, SUITE A-332 ARNOLD AFB, TN 37389-1332 ERIC S YATSKO 931-454-4347 ERIC.YATSKO@ARNOLD.AF.MIL		CODE FA9101	7 ADMINISTERED BY (If other than Item 6) CODE	
8 NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) TO ALL PROSPECTIVE BIDDERS			(X)	9A AMENDMENT OF SOLICITATION NO. FA9101-08-B-0022
			X	9B DATED (SEE ITEM 11) 30 JUL 2008
				10A MODIFICATION 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 Offers <input checked="" type="checkbox"/> is extended <input type="checkbox"/> 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 MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
(X)	A THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO ITEM 10A.			
	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, 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.) SEE SCHEDULE				
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 SIGNER (Type or print) ERIC S. YATSKO		
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 change bid opening date, provide specification and drawing changes, and provide answers to questions from industry.

1. Amend Bid Opening to read "10 Sep 2008 at 2pm CST" in lieu of "2pm local time 3 Sep 2008."

2. Amend Section 16710 paragraphs 1.3A to read "1.3 SYSTEM DESCRIPTION - A. Horizontal wiring: Complete from telecommunications closet to each outlet using category 6 cables and duplex optical fiber as shown." In lieu of "1.3 SYSTEM DESCRIPTION - A. Horizontal wiring: Complete from telecommunications closet to each outlet using category 5e cables and duplex optical fiber as shown."

3. Amend Section 16710 paragraphs 2.3B to read "Category 6: All category 6 cable shall be plenum rated, round, 24 AWG, 4-pair copper, solid conductors insulated with high density polyethylene, tightly twisted into individual pairs, and jacketed with flame retardant PVC. Electrical specifications of cable shall include direct current (DC) resistance per lead: ohms/1000 feet, mutual capacitance 1 KHz: 14nF/1000 ft, characteristic impedance: 10000 ohms \pm 1.5%, from 1 to 1000 MHz." In lieu of "Category 5E: All category 5E cable shall be plenum rated, round, 24 AWG, 4-pair copper, solid conductors insulated with high density polyethylene, tightly twisted into individual pairs, and jacketed with flame retardant PVC. Electrical specifications of cable shall include direct current (DC) resistance per lead: 28 ohms/1000 feet, mutual capacitance 1 KHz: 14nF/1000 ft, characteristic impedance: 10000 ohms \pm 1.5%, from 1 to 1000 MHz."

4. Amend the following drawing: (See attached red line drawings)

- **Sheet ED2: Cat 5e patch panel will not be reinstalled in cabinet "A". Will instead be turned over to ATA network engineering (NOTE 3).**
- **Sheet ET1: Communication jack changed to 3-port RJ-45 and 1-port MT-RJ, was originally 4-port RJ-45 (Legend). Changed all cat. 5e references to cat. 6.**
- **Sheet ET2: All cat. 5e and cat 5 references changed to cat. 6. Cat. 5e patch panel and cable management system removed from cabinet "A" elevation and replaced with cat. 6 patch panel in cabinet "C".**
- **Sheet ET3: All cat. 5e references changed to cat. 6. All fiber cable labels corrected to reflect the cable type "F".**

Questions and Answers:

1. We need assistance with the specifications for the Movable Partition Systems. It is specified for (2) office area's on the 2nd Floor. See Systems Furniture Phase I / line item No. 170 & Phase II / line item No. 137...Any further detailed information/description itemization you can provide on this would greatly be appreciated so we can quote accordingly

Answer: They should reference specification section 10615. It describes the construction, allowance to install marker boards on these walls, electrical/communication components, and door type. There is no glass in the L-shaped unit for items 170 and 137, but both ends of this furniture have to be custom fit back to the existing facility window mullions for privacy. I would anticipate this would be a irregular field cut or custom measured and ordered to fit. There are systems furniture workstations located inside these offices but sizes can be estimated from adjoining systems furniture and systems furniture located inside the rooms.

2. MD2 shows fire dampers and MH1 shows fire/smoke dampers, do we need to replace fire dampers with fire/smoke damper?

Answer: Contractor is to replace all fire dampers with combination fire and smoke dampers in accordance with specification section 15910 part 2.2.

3. Are existing Racks to be used or are new racks to be proposed or both?

Answer: Existing Racks will be used.

4. Plans and specs call out Cat 5e data cable; however, it is my understanding that the new AF/Government requirements call for Cat 6. How did you wish us to handle this difference?

Answer: Category 6 data cable as well as Category 6 patch panels and receptacle jacks will be used.

5. Can existing lighting conduit be used for new lighting?

Answer: No, all conduit and wiring shall be removed as noted on drawing LET32253.ED3.

6. What is the brand name and model # of Fire alarm control panel?

Answer: See Specification Section 16720-3. Monaco or approved equal.

7. Is it possible to get a .dwg file of both the existing panel layout and the new layout? The only thing we could find on the website was a .pdf and we can not work on our furniture layout without it unless we were to get field measurements and redraw the plan.

Answer: The Government provided a copy of the files in a .pdf format, if they need to be converted to CAD the contractor will be responsible for getting those converted.

8. How many people currently work on the 2nd floor that we will be relocating?

Answer: See the move plan response

9. Will we have a decision as to whether or not the Option 2 will be accepted before the bid is due? Our concern being that without a decision that leaves the bids wide open for many different concepts of how it is to be dealt with. For example will the existing cubicles be removed and discarded or will it be relocated and if so to where? All of those are different ways for the install and demolition to be interpreted.

Answer: No, a decision will not be made prior to bid opening whether or not the Government will exercise this option. The Government will evaluate Option 2 as part of the overall bid price in accordance with FAR 52.217-05. See move plan to address your other questions.

10. During the site visit, the IT people mentioned that the new standard for Arnold AFB was for Category 6 data cabling instead of the Category 5e as shown in the bid information. Should we quote Category 6 instead of Category 5e data cabling?

Answer: This will affect spec section 16710 and drawings ET1 & ET2. All the CAT5e references should be changed to CAT6 and they will need to include new CAT6 patch panels in their bid (instead of re-using the existing CAT5e patch panels.) **This results in a material change in the specification.**

The move plan:

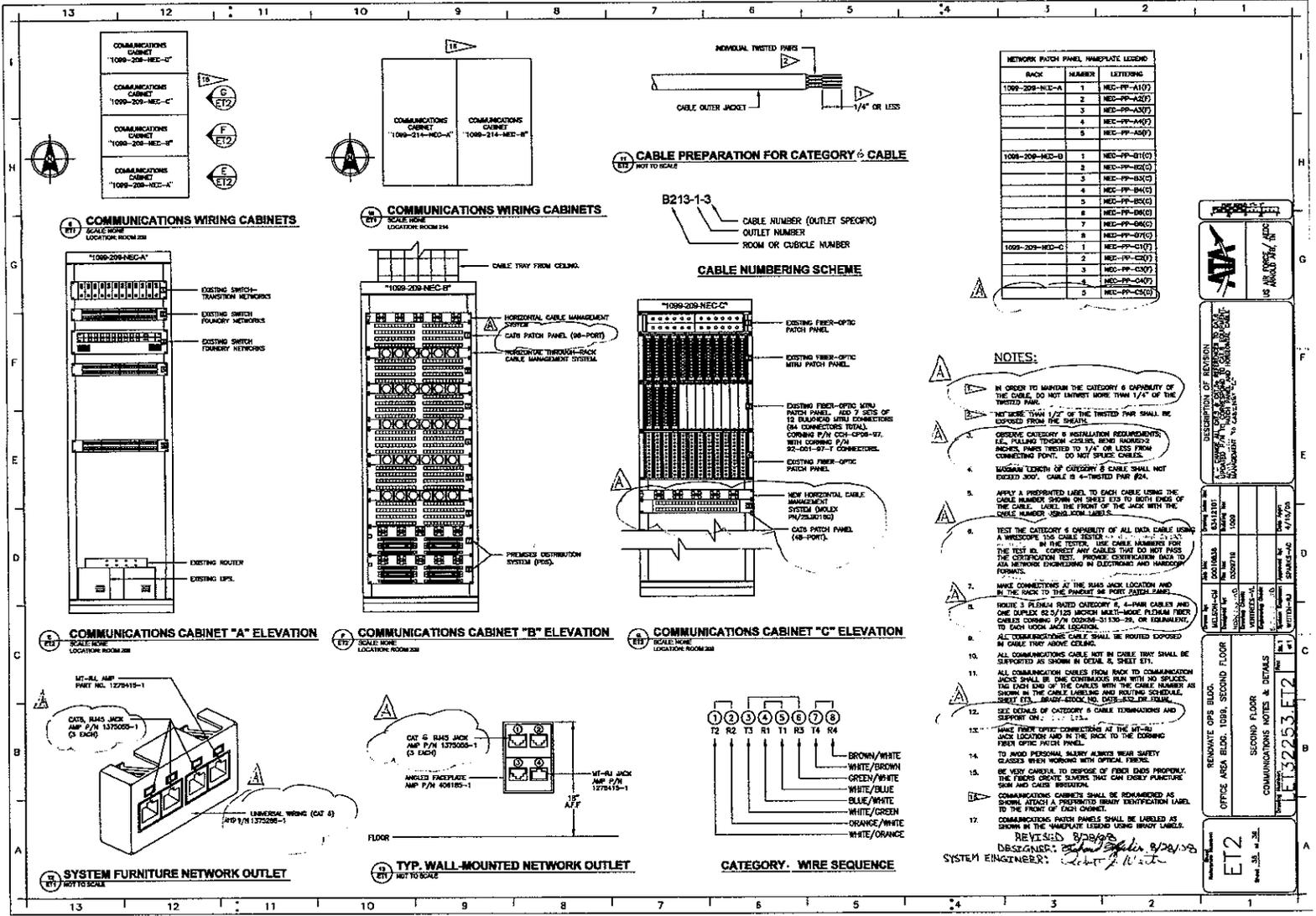
See the move plan below. PWT Office Bldg is Bldg # 740 (approx. 0.5 miles from Bldg 1099), G-Range is Bldg# 678 (approx. 1 mile from Bldg 1099), ELA is Bldg # 1077 (approx. 0.5 miles from Bldg 1099), AMSC is Bldg# 939 (directly across the street from 1099), LTB is Bldg # 1411 (approx. 0.25 miles from Bldg 1099).

Moves will be addressed to support a two (2) phase execution approach:

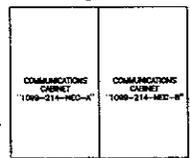
- There are ~ 67 personnel located on the second floor of Building 1099
- **Phase I - Renovate west side(Involves ~33 personnel)**
- Personnel on east side will remain
- 10 personnel will move to east side from the west side of 1099
- 10 personnel will move to PWT second floor
- 2 personnel to G=Range
- 1 person to ELA second floor
- 1 to AMSC
- ~8 personnel to second floor of Building 1411 (LTB)

Phase II - Renovate east side (Involves only 14 personnel to be relocated)

- All employees that were relocated in phase I will return to building 1099 second floor on west side.
- ~14 personnel will be relocated to building 1411 (LTB) while the east side is renovated in this phase.

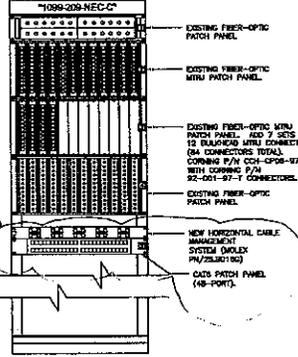
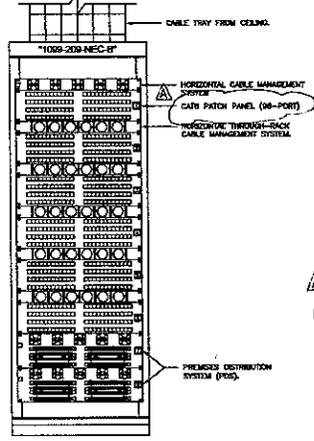


- COMMUNICATIONS CABINET "1099-209-NEC-C"
- COMMUNICATIONS CABINET "1099-209-NEC-B"
- COMMUNICATIONS CABINET "1099-209-NEC-A"
- COMMUNICATIONS CABINET "1099-214-NEC-H"
- COMMUNICATIONS CABINET "1099-214-NEC-G"



COMMUNICATIONS CABINET "A" ELEVATION

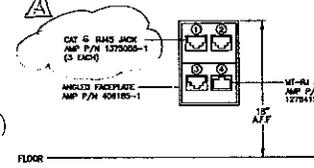
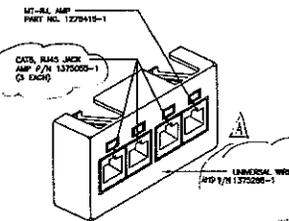
COMMUNICATIONS CABINET "B" ELEVATION



COMMUNICATIONS CABINET "A" ELEVATION

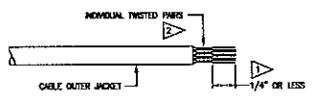
COMMUNICATIONS CABINET "B" ELEVATION

COMMUNICATIONS CABINET "C" ELEVATION

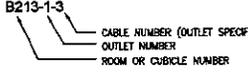


SYSTEM FURNITURE NETWORK OUTLET

TYP. WALL-MOUNTED NETWORK OUTLET



CABLE PREPARATION FOR CATEGORY 6 CABLE



CABLE NUMBERING SCHEME

BACK NUMBER	LETTERING
1099-209-NEC-A	1 REC-PP-A10J
	2 REC-PP-A20J
	3 REC-PP-A30J
	4 REC-PP-A40J
	5 REC-PP-A50J
1099-209-NEC-B	1 REC-PP-B10J
	2 REC-PP-B20J
	3 REC-PP-B30J
	4 REC-PP-B40J
	5 REC-PP-B50J
1099-209-NEC-C	1 REC-PP-C10J
	2 REC-PP-C20J
	3 REC-PP-C30J
	4 REC-PP-C40J
	5 REC-PP-C50J

- NOTES:**
- IN ORDER TO MAINTAIN THE CATEGORY & CAPABILITY OF THE CABLE, DO NOT STRIP MORE THAN 1/4" OF THE TWISTED PAIR.
 - NET USE: MORE THAN 1/2" OF THE TWISTED PAIR SHALL BE EXPOSED FROM THE BREAK.
 - EXISTING CATEGORY 6 INSTALLATION REQUIREMENTS I.E. PULLING TENSION LIMITS, BOND RINGS, RACKS, PAPER TIES TO 1/4" OR LESS FROM CONNECTING POINT. DO NOT SPICE CABLES.
 - MAXIMUM LENGTH OF CATEGORY 6 CABLE SHALL NOT EXCEED 300'. CABLE IS 4-TWISTED PAIR (24).
 - APPLY A PREPARED LABEL TO EACH CABLE USING THE CABLE NUMBER SHOWN ON SHEET E22 TO BOTH ENDS OF THE CABLE. LABEL THE FRONT OF THE JACK WITH THE CABLE NUMBER. OBSERVE LABELING.
 - TEST THE CATEGORY 6 CAPABILITY OF ALL DATA CABLES USING A WIRESCOPE OR CABLE TESTER.
 - IN THE TEST, USE CABLE NUMBERING FOR THE TEST ID. CORRECT ANY CABLES THAT DO NOT PASS THE CATEGORIES TEST. PROMOTE CABLES BACK TO AIA NETWORKS EXISTING IN ELECTRONICS AND HARDWARE FORMATS.
 - MAKE CONNECTIONS IN THE RACK JACK LOCATION AND IN THE BACK TO THE PATCH OR PATCH PANEL.
 - ROUTE 3 PLENUM RATED CATEGORY 6, 4-PAIR CABLES AND ONE DUPLEX 82.5/125 MICRON MULTI-MODE PLENUM FIBER CABLES CORING 5/8" ODDER-5130-30 OR EQUIVALENT, TO EACH WORK JACK LOCATION.
 - ALL COMMUNICATIONS CABLE SHALL BE PROTECT EXPOSED IN CABLE TRAY ABOVE CEILING.
 - ALL COMMUNICATIONS CABLE NOT IN CABLE TRAY SHALL BE EXPOSED AS SHOWN IN DETAIL C. SHEET E21.
 - ALL COMMUNICATIONS CABLES FROM RACK TO COMMUNICATION JACKS SHALL BE ONE CONTINUOUS RUN WITH NO SPLICES. THE LOOSE END OF THE CABLES WITH THE CABLE NUMBER AS SHOWN IN THE CABLE LABELING AND ROUTING SCHEDULE, SHEET E21, BROWN-BROWN, NO. 0018-1-1-1-1-1-1-1-1-1-1.
 - SEE DETAILS OF CATEGORY 6 CABLE TERMINATIONS AND SUPPORT ON ...
 - USE THE CATEGORY 6 CABLE TERMINATIONS AT THE PATCH PANEL JACK LOCATION AND IN THE BACK TO THE CORNER FIBER OPTIC PATCH PANEL.
 - TO AVOID PERSONAL SAFETY ALWAYS WEAR SAFETY GLASSES WHEN WORKING WITH OPTICAL FIBERS.
 - BE VERY CAREFUL TO REMOVE OF FIBER ENDS PROPERLY. THE FIBERS CREATE SLIVERS THAT CAN EASILY PUNCTURE SKIN AND CAUSE IRRITATION.
 - COMMUNICATIONS CABINETS SHALL BE DEMARKED AS SHOWN. ATTACH A PREPARED IDENTITY IDENTIFICATION LABEL TO THE FRONT OF EACH CABINET.
 - COMMUNICATIONS PATCH PANELS SHALL BE LABELED AS SHOWN IN THE NAMEPLATE LEGEND USING BRONZ LABELS.
- REVISED: 8/26/08
 DESIGNED: [Signature]
 SYSTEM ENGINEER: [Signature]

DESCRIPTION OF REVISION

NO.	DATE	BY	DESCRIPTION
1	10/08	ET2	ISSUE FOR CONSTRUCTION

REVISIONS

DATE: 10/08

BY: ET2

PROJECT: [Project Name]

OFFICE AREA: 1099, SECOND FLOOR

COMMUNICATIONS NOTES & DETAILS

E132253.E12

ET2

