ADDENDUM NO. 01

INFORMAL BID NO. 09-I007-J30

IT Server Room Wire Management, Yuba College

Addendum 01: December 9, 2009
Bid Opening: December 14, 2009, 10:00:00 am
Project Location: **Yuba College Campus**

The following changes to the Project Manual shall become a part of the Contract Documents for:

IT Server Room Wire Management, Yuba College

GENERAL

This addendum supersedes items of the original Project Manual and Drawings wherein it is inconsistent with it. All other conditions remain unchanged.

The following changes, modifications, corrections, additions or clarifications shall apply to the project manual and drawings, shall be made a part of the project manual and shall be subject to all of the requirements thereof as if originally specified or shown therein.

ADDITIONAL INFORMATION TO BIDDERS:

1. After network equipment and servers have been powered down, align the first three server cabinets so the fronts of the cabinets are even. **DO NOT** move server rack #4 & #5 with Avaya VOIP equipment in it. These racks must remain in the existing locations.
2. Provide external floor mounted cabinet seismic bracing brackets for the first three server cabinets. Use Chatsworth, Rack Seismic Gusset Kit (Part # 11592-701), APC NetShelter SX Bolt-Down Kit (Part # AR7701) or equal.

CHANGES TO ELECTRICAL DRAWINGS:

1. Sheet E0.1 (See addendum drawing AD01-E01)
   a. Delete panel schedule for existing Panel C.
   b. Revise circuits and load information in the schedule for existing Panel PDU.
2. Sheet E3.1 (See addendum drawing AD01-E02)
   a. Delete Sheet Keynotes 14 through 19 on the Enlarged Floor Plan.
   b. Added (2) 30A, 125V twist lock receptacles to the ceiling mounted surface wire way above the equipment rack in the northwest corner of the space.
   c. Added (1) 30A, 125V twist lock receptacle to the ceiling mounted surface wire way above the phone switch equipment rack.
   d. Deleted the re-circuiting of the existing receptacles located in the existing surface wire way that runs around the room, low on the wall.

e. Clarified the routing of the ground conductor form the ground bus bar to the existing Panel PDU.

3. Sheet E3.1 (See addendum drawing AD01-E03)
   a. Delete Sheet Keynotes 14 through 19.
   b. Revise Sheet Keynotes 12 and 13.

RFIs:

Question: Could you tell me where the PDU is located?

Answer: The location of the PDU (power distribution unit) is shown on Sheet E3.1, "2 ENLARGED FLOOR PLAN – SERVER ROOM – POWER", Keynote #3. It is located in the room you walk through to get into the Server Room. It is located exactly as shown on the plan, it is against the wall separating the two rooms, just to the right of the door between the room, a few feet from (E) Panel "C".

Date: _____

Malinda Bogdonoff
Director, Purchasing / Contracts

⬡ SHEET KEYNOTES

1 PROVIDE SURFACE WIREWAY ON CEILING. WIREMOLD 4000 OR APPROVED. PROVIDE WITH WIRE CLIPS TO HOLD CONDUCTORS IN PLACE.

2 PROVIDE 30A, 125 VAC TWISTLOCK RECEPTACLE IN SURFACE WIREWAY, NEMA L5-30R.

3 PROVIDE NEW CIRCUIT BREAKERS IN THE EXISTING PDU. SEE (E) PANEL 'PDU' SCHEDULE ON SHEET E0.1.

4 6"X4"X4" J-BOX.

5 (E) 100A BRANCH PANEL BOARD WITH (2) 30A RECEPTACLES TO BE REMOVED.

6 CORE DRILL THROUGH (E) CONCRETE WALL AS NECESSARY.

7 PROVIDE 20A, 125 VAC TWISTLOCK RECEPTACLE IN SURFACE WIREWAY, NEMA L5-20R.

8 PROVIDE 20A, 250 VAC TWISTLOCK RECEPTACLE IN SURFACE WIREWAY, NEMA L6-20R.

9 GROUND BUS BAR. PROVIDE #3/0 CU GROUND CONDUCTOR FROM BUS BAR TO MAIN GROUND BUS IN (E) PANEL 'PDU'. SEE 3/T1.5.

10 (E) 1-1/2" CONDUIT AND CONDUCTORS TO BE REMOVED.

11 (E) SURFACE WIREWAY AND RECEPTACLES ON WALL TO REMAIN.

△1

12 #3/0 TO PDU GROUND BUS.

13 DURING CONSTRUCTION PHASE OF WORK THAT ALLOWS FOR THE SERVER EQUIPMENT TO BE DE-ENERGIZED. CONTRACTOR SHALL REMOVE THE EXISTING MAIN CIRCUIT BREAKER AND INSTALL LANDING LUGS IN ITS PLACE AND RE-ENERGIZE.

ENLARGED FLOOR PLAN - SERVER ROOM - POWER - E3.1

WORKS ARCHITECTURE, INC. 09-Y02-04

Yuba College
Building 100B -
Wire Management

ADDENDUM #1

1

(E) Panel 'PDU'

120/208V, 3 Ph., 4 W. Surface Mounted, Lighting & Appliance Branch Panelboard

200A Bus with Main Lug Only / Available Fault: 8087A RMS 2009-0234.01

Ckt. No.	Description / Location	Load (VA)	Type	C.B. A/Pole	Note	Ph.	Note	C.B. A/Pole	Load (VA)	Type	Description / Location	Ckt. No.
1	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		A		150/3	15,000	S	(E) PANEL 'C'	2
3	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		B		--	15,000	S	--	4
5	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		C		--	15,000	S	--	6
7	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		A		60/3	640	S	(E) PANEL 'T'	8
9	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		B		--	640	S	--	10
11	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		C		--	640	S	--	12
13	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		A		20/1	180	R	(E) ROOF RECEPTACLE	14
15	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		B		20/1	694	M	(E) REF-2	16
17	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		C		20/1	320	L	(E) LIGHTS	18
19	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		A		20/2	1,200	R	SERV. RM. 250VAC TWSTLCK RECEPT.	20
21	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		B		--	1,200	R	--	22
23	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		C		20/2	1,200	R	SERV. RM. 250VAC TWSTLCK RECEPT.	24
25	SERVER ROOM TWISTLOCK RECEPT.	1,920	R	20/1		A		--	1,200	R	--	26
27	SERVER ROOM TWISTLOCK RECEPT.	2,600	R	30/1		B		20/2	1,200	R	SERV. RM. 250VAC TWSTLCK RECEPT.	28
29	SERVER ROOM TWISTLOCK RECEPT.	2,600	R	30/1		C		--	1,200	R	--	30
31	SERVER ROOM TWISTLOCK RECEPT.	2,600	R	30/1		A		20/2	1,200	R	SERV. RM. 250VAC TWSTLCK RECEPT.	32
33	SERVER ROOM TWISTLOCK RECEPT.	2,600	R	30/1		B		--	1,200	R	--	34
35	SERVER ROOM TWISTLOCK RECEPT.	2,600	R	30/1		C		20/2	1,200	R	SERV. RM. 250VAC TWSTLCK RECEPT.	36
37	SERVER ROOM TWISTLOCK RECEPT.	2,600	R	30/1		A		--	1,200	R	--	38
39	SPARE			30/1		B		20/2	1,200	R	SERV. RM. 250VAC TWSTLCK RECEPT.	40
41	SPARE			30/1		C		--	1,200	R	--	42
43	SPARE			30/1		A		PFB			SPACE	44
45	SPARE			20/1		B		PFB			SPACE	46
47	SPARE			20/1		C		PFB			SPACE	48
49	SPARE			20/1		A		PFB			SPACE	50
51	SPARE			20/1		B		PFB			SPACE	52
53	SPARE			20/1		C		PFB			SPACE	54
55	SPARE			20/1		A		PFB			SPACE	56
57	SPARE			20/1		B		PFB			SPACE	58
59	SPACE			PFB		C		PFB			SPACE	60
61	SPACE			PFB		A		PFB			SPACE	62
63	SPACE			PFB		B		PFB			SPACE	64
65	SPACE			PFB		C		PFB			SPACE	66
67	SPACE			PFB		A		PFB			SPACE	68
69	SPACE			PFB		B		PFB			SPACE	70
71	SPACE			PFB		C		PFB			SPACE	72
73	SPACE			PFB		A		PFB			SPACE	74
75	SPACE			PFB		B		PFB			SPACE	76
77	SPACE			PFB		C		PFB			SPACE	78
79	SPACE			PFB		A		PFB			SPACE	80
81	SPACE			PFB		B		PFB			SPACE	82
83	SPACE			PFB		C		PFB			SPACE	84

Total Connected Load: Ph. A	35,420 VA	295 Amps	Panel Connected Load:	56.2 KVA 156.0 Amps
Total Connected Load: Ph. B	34,014 VA	283 Amps	Sub-Fed Connected Load:	0.0 KVA 0.0 Amps
Total Connected Load: Ph. C	33,640 VA	280 Amps	**Total Demand Load:**	33.8 **KVA** 94.0 **Amps**

Notes:

1. DISCONECT AND REMOVE SUB-FEED TO (E) PANEL 'C' AFTER ALL (E) CIRCUITS HAVE BEEN RE-ROUTED, EXTENDED AND CONNECTED TO PANEL 'PDU'.
2. (E) LOADS RE-LOCATED FROM (E) PANEL 'C'. CONTRACTOR SHALL LOCATE AND INTERCEPT (E) CIRCUIT CONDUCTORS AT A CONVENIENT LOCATION AND EXTEND AS NECESSARY.

Accessories:

1'-9"

(E) PANEL 'ITH'

(E) PANEL 'C'

(E) PANEL 'PDU'

PDU-39,41

PDU-33,35,37

PDU-21,23,25

PDU-15,17,19

PDU-9,11,13

PDU-32,34, 36,38,40,42

PDU-20,22, 24,26,28,30

6 PDU-27,29,31,43

6 PDU-1,3,5,7

20,22
24,26
28,30
32,34
36,38
40,42

TO (E) PDU

2 ENLARGED FLOOR PLAN - SERVER ROOM - POWER

NORTH

0 1' 2' 4'

SCALE: 1/2"=1'-0"

ENLARGED FLOOR PLAN - SERVER ROOM - POWER - E3.1

Yuba College
Building 100B -
Wire Management
Addendum #1

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WORKS ARCHITECTURE, INC. 09-Y02-04