



Addendum 02

Electrical System Upgrades
Army Aviation Support Facility (AASF)
Delaware Army National Guard
New Castle, Delaware
Tt Project No.: 200-76984-13013
DEARNG Contract # 20-2103

Addendum No. 02
to
Drawings and Project Manual

September 12, 2014

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:
Original DRAWINGS dated August 18, 2014,
PROJECT MANUAL dated August 27, 2014.
Addendum 01 dated September 2, 2014.

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of two (2) pages and attachments:

CHANGES TO PROJECT MANUAL

2.1 None at this time.

CHANGES TO DRAWINGS

2.2 Sheet E-401

- A. Panel PPD has been increased in size. **PROVIDE** new 2 ½ inch feeder conduit and wiring per the feeder schedule. Cut and cap the existing 2 inch feeder conduit below the new panel.

2.3 Sheet E-602

- A. **PROVIDE** new conduit and wiring from MDS-3 circuit 7 to the new Combination Starter serving AHU-3. **PROVIDE** (3) #10 and (1) #10 GND, ¾ Conduit. **CHANGE** line weight from light to dark.

2.4 Sheet E-602

- A. **PROVIDE** new conduit and wiring from MDS-3 circuit 5 to the new Combination Starter serving EF-3. **PROVIDE** (3) #10 and (1) #10 GND, ¾ Conduit. **CHANGE** line weight from light to dark.

2.5 Sheet E-604

- A. **CHANGE** panel schedule voltage from 480 /277 to 208/120.

- A. **ADD** the attached Panel Schedules for PPC and PPD to this sheet.

RFI'S / CLARIFICATIONS

2.7 From the Pre-Bid Walk-Through:

- A. Will "Penn Panel" inserts be acceptable in the existing panel back boxes?

Answer: Yes! The existing back box must be in good condition and properly sized for service. Panels will have all interiors and covers.

- B. Will Seal off fittings be required in the re-used feeder conduits?

Answer: Yes! Existing feeder conduits may be re-used, conduits stubbing up from the floor with seal off fitting shall have new seal off fitting installed along with the new feeder wiring.

- C. Will the AASF consider supplying fuel and service for their 2 generator sets?

Answer: No! The AASF is requiring the contractors to be responsible for all fuel, maintenance, service and power to operate the facility during the 2 week shut down.

- D. It was requested that the Engineer provide sizes of the temporary Prime Power Generators. Direction as follows:

Contractors shall provide the following for temporary power for the Facility through the entire course of Construction:

1. One (1) 700kw Generator to serve panels HPA, HPB and MDP-4 via the 300 kVA transformer.
2. One (1) 800kw Generator to serve panels MDP-5, LPA, LPB, the elevator and the 75kVA 400 Hz frequency.
3. Provide all temporary wiring, disconnect switches, panels and circuit breakers for complete operation. Additional wall sleeves shall match existing and be grouped with the existing three (3) sleeves for a permanent installation.

ATTACHMENTS

Sketch SK-E-1

Sketch SK-E-2

END OF ADDENDUM 02

200-76984-13013													AASF BLDG													PANELBOARD													PPD																									
FEED FROM													MDP-4													MOUNTING													SURFACE													AIRFRAME RM 121												
CKT. NO.	TRIP NO.	NO.	IN.	AWG	AWG				LOAD			KVA	A	B	C	KVA				AWG	AWG	IN.	NO.	TRIP	CKT.																																							
NO.	AMPS	POLES	COND	GND	WIRE																WIRE	GND	COND	POLES	SAMPS	NO.																																						
1	20	2	3/4	12	12							0.0	0.0				0.0				10	10	3/4	2	30	2																																						
3	"	"	"	"	"							0.0		0.0			0.0				"	"	"	"	"	4																																						
5	20	1	3/4	12	12							0.0			0.0		0.0				12	12	3/4	1	20	6																																						
7	20	1	3/4	12	12							0.0	0.0				0.0				12	12	3/4	1	20	8																																						
9	20	1	3/4	12	12							0.0		0.0			0.0				12	12	3/4	1	20	10																																						
11	20	1	3/4	12	12							0.0		0.0			0.0				12	12	3/4	1	20	12																																						
13	20	1	3/4	12	12							0.0	0.0		0.0		0.0				#4	#4	1 1/2	3	100	14																																						
15	20	2	"	"	"							0.0		0.0			0.0				"	"	"	"	"	16																																						
17	"	"	"	"	"							0.0			0.0		0.0				"	"	"	"	"	18																																						
19	20	3	"	"	"							0.0	0.0				0.0				"	"	"	2	30	20																																						
21	"	"	"	"	"							0.0		0.0			0.0				"	"	"	"	"	22																																						
23	"	"	"	"	"							0.0			0.0		0.0				"	"	"	1	20	24																																						
25	20	1	"	"	"							0.0	0.0				0.0				"	"	"	1	20	26																																						
27	20	1	"	"	"							0.0		0.0			0.0				"	"	"	1	20	28																																						
29	20	1	"	"	"							0.0			0.0		0.0				"	"	"	1	20	30																																						
31	20	1	"	"	"							0.0	0.0				0.0				"	"	"	1	20	32																																						
33	20	1	"	"	"							0.0		0.0			0.0				"	"	"	1	20	34																																						
35	"	"	"	"	"							0.0			0.0		0.0				"	"	"	"	"	36																																						
37	"	"	"	"	"							0.0	0.0		0.0		0.0				"	"	"	"	"	38																																						
39	"	"	"	"	"							0.0		0.0			0.0				"	"	"	"	"	40																																						
41	"	"	"	"	"							0.0			0.0		0.0				"	"	"	"	"	42																																						
TOTAL													0.0	0.0	0.0	0.0	TOTAL - KVA :													0.0																																		
120 / 208 VOLTAGE													MAIN CKT. BKR.													MINIMUM INTERRUPTING CAPACITY																																						
0 AVG. AMPS													225 MAIN LUG													10 KAIC																																						
3 PHASE													FULL GROUND													10 KAIC																																						
4 WIRE																										BRANCH BREAKER																																						

MODIFIES SHEET E-605



DELAWARE ARMY NATIONAL GUARD
AASF ELECTRICAL UPGRADES
REVISED PANEL SCHEDULES

Proj. No.: 200-76984-13013

Date: 09-11-14

Drawn By: RLH

Drawing No.:

SK-E-1

Rev.: Date:

200-76984-13013			AASF BLDG			PANEL PPG			HANGAR											
FEED FROM			MDP-4			MOUNTING			SURFACE											
CKT. NO.	TRIP	NO.	IN.	AWG	COND	WIRE	KVA	LOAD			KVA	AVG WIRE	IN.	NO.	TRIP	CKT. NO.				
								A	B	C										
1	60	3	1	6		Existing Load	0.0	0.0			0.0			12	12	3/4	3	50	2	
3	"	"	"	"	"	"	0.0		0.0		0.0		East table Receptacle (Parts Washer)	"	"	"	"	"	4	
5	"	"	"	"	"	"	0.0			0.0	0.0			"	"	"	"	"	6	
7	60	3	1	6		Existing Load	0.0	0.0			0.0		East Service Pedestal	12	12	3/4	3	60	8	
9	"	"	"	"	"	"	0.0		0.0		0.0		"	"	"	"	"	"	10	
11	"	"	"	"	"	"	0.0		0.0		0.0		"	"	"	"	"	"	12	
13	60	3	1	6		West Service Pedestal	0.0	0.0			0.0		Existing Load	12	12	3/4	3	50	14	
15	"	"	"	"	"	"	0.0		0.0		0.0		"	"	"	"	"	"	16	
17	"	"	"	"	"	"	0.0			0.0	0.0		"	"	"	"	"	"	18	
19	20	1	3/4	12		Floor Receptacle	0.0	0.0			0.0		Existing Load	10	10	3/4	1	30	20	
21	20	1	3/4	12		Floor Receptacle	0.0	0.0			0.0		Existing Load	10	10	3/4	1	30	22	
23	20	1	3/4	12		Existing Load	0.0	0.0			0.0		Existing Load (GFCI)	12	12	3/4	2	20	24	
26	20	1	3/4	12		Existing Load	0.0	0.0			0.0		Existing Load	12	12	3/4	2	20	26	
27	20	1	3/4	12		Existing Load	0.0	0.0			0.0		Existing Load	12	12	3/4	2	20	28	
29	20	1	3/4	12		West Table Receptacle	0.0	0.0			0.0		Hangar Receptacle	12	12	3/4	2	20	30	
31	20	1	3/4	12		Existing Load	0.0	0.0			0.0		Hangar Receptacle	12	12	3/4	2	20	32	
33	20	1	3/4	12		Hangar Receptacle	0.0	0.0			0.0		Hangar Receptacle	12	12	3/4	2	20	34	
35	20	1	3/4	12		Existing Load	0.0	0.0			0.0		Existing Load	12	12	3/4	2	20	36	
37	20	1	3/4	12		Existing Load	0.0	0.0			0.0		Hangar Ceiling Fans	12	12	3/4	2	20	38	
39	20	1	3/4	12		Existing Load	0.0	0.0			0.0		Hangar Ceiling Fans	12	12	3/4	2	20	40	
41	20	1	3/4	12		Spare	0.0	0.0			0.0		Spare	12	12	3/4	2	20	42	
TOTAL							0.0	0.0	0.0	TOTAL - KVA :							0.0			
120 / 208 VOLTAGE							MAIN CKT. BKR.							MINIMUM INTERRUPTING CAPACITY						
0 AVG. AMPS							225 MAIN LUG							MAIN BREAKER						
3 PHASE							FULL GROUND							BRANCH BREAKER						
4 WIRE														10 KAIC						

MODIFIES SHEET E-605



Proj. No.: 200-76984-13013

Date: 09-11-14

Drawn By: RLH

Drawing No.:

SK-E-2

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REVISED PANEL SCHEDULES