

LOCAL

PANEL "HP100"		TYPE		LOCATION		MOUNT		SURFACE		
MAIN		40A BUS		125A		VOLTS 408Y277		PHASE 3/60HZ		
4		WIRE 40 AMP		FEEDER CONDUIT 1"		CABLE #4/10				
CIR. NO.	CIR. POLE	BRKR. A.T.	WIRE TYPE	WIRE SIZE	OUTLET LTS	REMARKS	VOLT-AMPERES			
							L-1	L-2	L-3	
1	3	20			1	WORKBAY			2770	
2	3	20			1	WORKBAY			2770	
3										
4									2770	
5									2770	
6									2770	
7	3	20			1	WORKBAY			2770	
8						SPACE ONLY				
9										
10						SPACE ONLY			2770	
11										
12						SPACE ONLY			2770	
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24						SPACE ONLY				
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
PHASE TOTAL							8310	8310	8310	
TOTAL CONNECTED AMPS							30	30	30	30

LOCAL

PANEL "LP400"		TYPE		LOCATION		MOUNT		SURFACE		
MAIN		LUGS ONLY BUS		100A		VOLTS 208Y120, 400HZ		PHASE 3/400HZ		
4		WIRE 50 AMP		FEEDER CONDUIT 1/4"		CABLE #4/10				
CIR. NO.	CIR. POLE	BRKR. A.T.	WIRE TYPE	WIRE SIZE	OUTLET LTS	REMARKS	VOLT-AMPERES			
							L-1	L-2	L-3	
1	1	20			1	WORKBAY			600	
2						SPARE				
3	1	20			1	WORKBAY			600	
4						SPARE				
5	1	20			1	WORKBAY			600	
6						SPARE				
7						SPACE ONLY				
8										
9										
10										
11										
12						SPACE ONLY				
13										
14										
15										
16										
17										
18										
19										
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33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
PHASE TOTAL							600	600	600	
TOTAL CONNECTED AMPS							5	5	5	5

### LEGEND

MARK	DESCRIPTION
□	FLOURESCENT LIGHTING OUTLET
○	INCANDESCENT LIGHTING OUTLET, WALL MTD
⊗	EMERGENCY LIGHTING OUTLET
S	SINGLE POLE SWITCH
S3	THREE-WAY SWITCH
SM	MANUAL MOTOR STARTER W/OVERLOADS
⊕	DUPLEX RECEPTACLE
⊕/GFI	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTING WEATHER PROOF
⊕	SPECIAL PURPOSE OUTLET - NEMA CONFIGURATION PROVIDE PLUGS TO MATCH INDICATED ON PLAN
⊕/G	BRANCH CIRCUIT IN CONDUIT, (1) NEUTRAL (2) EQUIPMENT GROUNDING SWITCH LEG, (1) HOT LEG
→	BRANCH CIRCUIT HOMERUN
mm	FLEXIBLE CONDUIT
□	JUNCTION BOX
□	DISCONNECT SWITCH - SIZE NOTED ON PLAN
⊕	TRANSFORMER
⊕	SURFACE MTD. PANELBOARD
⊕	FIRE ALARM PULLSTATION
⊕	SMOKE DETECTOR
⊕	SPEAKER OUTLET
□	INDICATES SURFACE MTD DEVICE - SEE PLAN
EP	EXPLOSION PROOF
Ep	EXISTING - RELOCATED
AFF	ABOVE FINISHED FLOOR
⊕	COMBINATION STARTER/DISCONNECT

LOCAL

PANEL "LP300"		TYPE		LOCATION		MOUNT		SURFACE		
MAIN		LUGS ONLY BUS		225A		VOLTS 208Y120V		PHASE 3/60HZ		
4		WIRE 100 AMP		FEEDER CONDUIT 2"		CABLE #4/20				
CIR. NO.	CIR. POLE	BRKR. A.T.	WIRE TYPE	WIRE SIZE	OUTLET LTS	REMARKS	VOLT-AMPERES			
							L-1	L-2	L-3	
1	1	20			V	WORKBAY, CLEAN ROOM			600	
2	1	20			3	WORKBAY, CLEAN ROOM			600	
3	1	20				SPARE				
4	1	20			1	SPARE				
5	1	20			1	WORKBAY			600	
6	1	20			3	WORK STORAGE			600	
7	1	20			1	WORKBAY			600	
8	1	20			1	WORKBAY			600	
9	2	30			1	WORKBAY			2500	
10	2	30			1	WORKBAY			2500	
11									2500	
12									2500	
13	2	30			1	WORKBAY			2500	
14	2	20			V	MAU-1			800	
15									2500	
16									800	
17	1	20			V	EF-3			600	
18	2	20			V	SF-1			800	
19	2	20			V	MAU-2			800	
20									800	
21									800	
22	1	20				SPARE				
23	1	20			1	RINSE/DRAIN			600	
24	1	20			V	WORK STORAGE			1000	
25	3	45			V	MD-4			5000	
26	1	20				SPARE				
27									5000	
28	1	20				SPARE				
29									5000	
30	3	30				CRANE			1921	
31	1	20				SPARE				
32									1921	
33	1	20				SPARE				
34									1921	
35						SPACE ONLY				
36										
37										
38										
39										
40										
41										
42						SPACE ONLY				
PHASE TOTAL							14221	14221	14221	
TOTAL CONNECTED AMPS							14221	14221	14221	14221

- ### GENERAL NOTES
- EACH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR, AND MULTI-WIRE CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUND. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
  - ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
  - MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  - ALL WIRING DEVICES SHALL BE INSTALLED PLUMB, SQUARE, TRUE AND ALL DEVICES INSTALLED AT A SINGLE LOCATION SHALL BE ALIGNED.
  - MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE SPECIFIED.
  - ALL WORK SHALL COMPLY WITH THE 1987 EDITION OF THE NATIONAL ELECTRICAL CODE.

**MM MG**  
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REGISTERED ARCHITECTS  
MOTT MOBLEY MCGOWAN & GRIFFIN, P.A.  
ARKANSAS

REGISTERED PROFESSIONAL ENGINEER  
LOUNNIE L. BISHOP  
No. 4781  
ARKANSAS

**PROJECT NO. HKRZ - 001274**  
**ADAL ENGINE I & R SHOP**  
**AIR NATIONAL GUARD TRAINING FACILITY**  
**MUNICIPAL AIRPORT - FT. SMITH, ARKANSAS**

**SCHEDULES, LEGEND**

Revisions  
**1370A**  
 Plan Number  
**11-2-88**  
 Date  
**E2.3**  
 Or