

PANELBOARD SCHEDULE MA													
MAINS :		800A M.B.						MTG :		SURFACE			
VOLTAGE :		120/208V		PHASE: 3		WIRE: 4		A.I.C. :		22,000			
DEVICE		BRANCH CIRCUIT			PHASE LOAD (V-A)			BRANCH CIRCUIT			DEVICE		
NO.	TRIP	POLE	DESIGNATION	V-A	A	B	C	V-A	DESIGNATION	POLE	TRIP	NO.	
1	20	1	B-1	864	1,864			1,000	F/A POWER SUPPLY	1	20	2	
3	20	1	B-2	864		1,398		534	EF-1, SF-1, UH-1	1	20	4	
5	20	1	HVAC CONTROL PANEL	1,000			1,250	250	HEAT TAPE	1	20	6	
7	20	1	DAH-1,DAC-1	916	1,832			916	FC-7,8,9,10	2	20	8	
				916		1,832		916					
11	20	2	FC-1,3,5,11	916			2,060	1,144	P-3	2	25	12	
				916	2,060			1,144					
15	20	2	FC-2,4,6	687		1,831		1,144	P-4	2	25	16	
				687		1,831		1,144					
19	40	3	P-1	2,005	2,906			901	AHU-1	3	20	20	
				2,005		2,906		901					
				2,005			2,906	901					
25	150	3	PANEL MB	14,004	16,009			2,005	P-2	3	40	26	
				15,090		17,095		2,005					
				14,502			16,507	2,005					
31	150	3	PANEL MC	12,434	12,434				SURGE SUPPRESSION	3		32	
				12,784		12,784							
				12,765			12,765						
37	350	3	CH-1	33,421	33,421				NOT USED			38	
				33,421		33,421							
				33,421			33,421						
CONNECTED				70,526	71,267	70,740	TTL :	212,533					
DEMAND				70,526	71,267	70,740	TTL :	212,533					

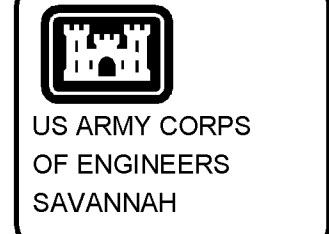
PANELBOARD SCHEDULE MB													
MAINS :		225A M.L.O.						MTG :		SURFACE			
VOLTAGE :		120/208V		PHASE: 3		WIRE: 4		A.I.C. :		22,000			
DEVICE		BRANCH CIRCUIT			PHASE LOAD (V-A)			BRANCH CIRCUIT			DEVICE		
NO.	TRIP	POLE	DESIGNATION	V-A	A	B	C	V-A	DESIGNATION	POLE	TRIP	NO.	
1	20	1	LIGHTING CLASSRM. 112	1,170	2,412			1,242	LIGHTING 111	1	20	2	
3	20	1	LIGHTING CLASSRM. 113	1,170		2,178		1,008	LIGHTING CORRIDOR 108,121	1	20	4	
5	20	1	LIGHTING CLASSRM. 114	1,242			1,962	720	LIGHTING 102-106	1	20	6	
7	20	1	LIGHTING LOBBY 101	504	1,104			600	EXTERIOR LIGHTING	1	20	8	
9	20	1	EWCS 101	888		2,088		1,200	BACKBOARD 107	1	20	10	
11	20	1	RECEPTACLES 102-106	1,440			2,640	1,200	BACKBOARD 107	1	20	12	
13	20	1	EWCS 108	888	2,088			1,200	BACKBOARD 107	1	20	14	
15	20	1	COMPUTERS 112	1,440		2,880		1,440	COMPUTERS 114	1	20	16	
17	20	1	COMPUTERS/REC. 112	1,080			2,160	1,080	COMPUTERS/REC. 114	1	20	18	
19	20	1	RECEPTACLES 109,112	1,440	2,880			1,440	RECEPTACLES 110,114	1	20	20	
21	20	1	COMPUTERS 111	1,440		2,880		1,440	COMPUTERS 113	1	20	22	
23	20	1	RECEPTACLES 101,111	1,260			2,340	1,080	COMPUTERS/REC. 113	1	20	24	
25	20	1	COMPUTERS/REC. 111	1,260	2,520			1,260	RECEPTACLES 113	1	20	26	
27	20	1	HWC-1	864		2,064		1,200	BACKFLOW PREVENTER	1	20	28	
29	20	1	SPARE						SPARE	1	20	30	
31	20	1	SPARE						SPARE	1	20	32	
33	20	1	SPARE						SPARE	1	20	34	
35	20	1	SPARE						SPARE	1	20	36	
37	35	3	WH-1	3,000	3,000				SPARE	1	20	38	
				3,000		3,000			SPARE	1	20	40	
				3,000			5,400	2,400	UTILITY CONNECTION 107	1	30	42	
CONNECTED				14,004	15,090	14,502	TTL :	43,596					
DEMAND				11,203	12,072	11,602	TTL :	34,877					

EQUIPMENT RATINGS AND CONNECTIONS											
ITEM	VOLT	PH	AMPS	HP	kW	TTL	MCA	MOC	CONTROL / DISCONNECT		CIRCUIT REQUIREMENTS
									BY	BY	
CH-1	208	3	278.3			278.3	291.5	350		400/3/3R	3" C. W/3 350 KCMIL & 1 No. 3 (G)
P-1	208	3	16.7	5		16.7	20.9	35		SIZE 1	3/4" C. W/3 No. 10 & 1 No. 10 (G)
P-2	208	3	16.7	5		16.7	20.9	35		SIZE 1	3/4" C. W/3 No. 10 & 1 No. 10 (G)
AHU-1	208	3	7.5	2		7.5	9.4	20		BKR	1/2" C. W/3 No. 12 & 1 No. 12 (G)
WH-1	208	3			9	25.0	31.3	35		60/3/1	3/4" C. W/3 No. 8 & 1 No. 10 (G)
FC-1,2,3,4,5,6,7,8,9,10	208	1	2.2			2.2	2.8	15		30/2/1	1/2" C. W/3 No. 12 & 1 No. 12 (G)
FC-11	208	1	3.6			3.6	4.5	15		30/2/1	1/2" C. W/3 No. 12 & 1 No. 12 (G)
P-3	208	1	11	1.5		11.0	13.8	25		SIZE 1	3/4" C. W/3 No. 10 & 1 No. 10 (G)
P-4	208	1	11	1.5		11.0	13.8	25		SIZE 1	3/4" C. W/3 No. 10 & 1 No. 10 (G)
DAC-1	208	1	8.4		0.084	8.8	11.0	20		SsWP	1/2" C. W/3 No. 12 & 1 No. 12 (G)
EF-1	120	1			0.35	2.9	3.6	15		Sm	1/2" C. W/2 No. 12 & 1 No. 12 (G)
EF-2	120	1	3.2			3.2	3.6	15		PLUG	1/2" C. W/2 No. 12 & 1 No. 12 (G)
SF-1	120	1			0.1	0.8	1	15		Sm	1/2" C. W/2 No. 12 & 1 No. 12 (G)
DAH-1	120	1	0.7			0.7	0.8	15		Sm	1/2" C. W/2 No. 12 & 1 No. 12 (G)
B-1	120	1	7.2			7.2	9	20		BKR	1/2" C. W/2 No. 12 & 1 No. 12 (G)
B-2	120	1	7.2			7.2	9	20		BKR	1/2" C. W/2 No. 12 & 1 No. 12 (G)
UH-1	120	1	0.7			0.7	0.8	15		Sm	1/2" C. W/2 No. 12 & 1 No. 12 (G)
WH-2 CONTROL	120	1			0.5	4.2	15.6	20		PLUG	1/2" C. W/2 No. 12 & 1 No. 12 (G)
HWC-1	120	1	7.2	1/3		7.2	9	20		Ss	1/2" C. W/2 No. 12 & 1 No. 12 (G)

NOTES:

- THE DESIGN IS BASED ON SINGLE POINT CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.
- STARTERS ARE SHOWN AS SIZE 1, ETC.
- DISCONNECTS ARE SHOWN AS 30/3/1, ETC. "BKR" INDICATES PANEL BREAKER AS DISCONNECT.

PANELBOARD SCHEDULE MC													
MAINS :		225A M.L.O.						MTG :		SURFACE			
VOLTAGE :		120/208V		PHASE: 3		WIRE: 4		A.I.C. :		22,000			
DEVICE		BRANCH CIRCUIT			PHASE LOAD (V-A)			BRANCH CIRCUIT			DEVICE		
NO.	TRIP	POLE	DESIGNATION	V-A	A	B	C	V-A	DESIGNATION	POLE	TRIP	NO.	
1	20	1	LIGHTING LAB 126	1,184	1,474			290	CHILLER YARD- LGT/REC	1	20	2	
3	20	1	LIGHTING CLASSRM. 127	1,242		2,484		1,242	LIGHTING CLASSRM 119	1	20	4	
5	20	1	LIGHTING 107,115-117,125 & 126	885			2,445	1,560	LIGHTING LAB 118	1	20	6	
7	20	1	COMPUTERS 127	1,440	2,880			1,440	COMPUTERS 119	1	20	8	
9	20	1	COMPUTERS/REC. 127	1,280		2,560		1,280	COMPUTERS/REC. 119	1	20	10	
11	20	1	RECEPTACLES 122,127	1,440			2,880	1,440	RECEPTACLES 119,123	1	20	12	
13	20	1	COMPUTERS 126	1,440	2,160			720	LAB COMP. 118	1	20	14	
15	20	1	COMPUTERS 126	1,440		2,520		1,080	RECEPTACLES 118	1	20	16	
17	20	1	COMPUTERS 126	1,440		2,880		1,440	LAB COMP. 118	1	20	18	
19	20	1	COMPUTERS 126	1,440	2,880			1,440	LAB COMP. 118	1	20	20	
21	20	1	COMPUTERS 126	1,440		2,880		1,440	LAB COMP. 118	1	20	22	
23	20	1	COMPUTERS 126	1,440		2,880		1,440	RECEPTACLES 117,118	1	20	24	
25	20	1	RECEPTACLES 124,126	1,440	2,540			1,100	RECEPTACLES 116,118	1	20	26	
27	20	1	COMPUTERS 124	1,440		2,340		900	RECEPTACLES 115	1	20	28	
29	20	1	COMPUTERS/REC. 107,125	1,080			1,680	600	EXTERIOR RECEPTACLES	1	20	30	
31	20	1	WH-2 THERMOSTAT	500	500				SPARE	1	20	32	
33	20	1	SPARE						SPARE	1	20	34	
35	20	1	SPARE						SPARE	1	20	36	
37	20	1	SPARE						SPARE	1	20	38	
39	20	1	SPARE						SPARE	1	20	40	
41	20	1	SPARE						SPARE	1	20	42	
CONNECTED				12,434	12,784	12,765	TTL :	37,983					
DEMAND				9,947	10,227	10,212	TTL :	30,386					



DESIGNED BY: IDM	DATE: 25 JAN 2010
DWN BY: IDM	SOLICITATION NO.: W912N-09-R-0018
CONTRACT NO.:	
FILE NAME: BRN#04	CATEGORY CODE: 730-46-01
SIZE: 34x22	PLOT DATE:
PLOT SCALE: NONE	

U. S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH DISTRICT

LSP ASSOCIATES LTD.
205 1/2 KING STREET
CHARLESTON, SC 29401

ALBRITTON JUNIOR HIGH SCHOOL ADDITION
FT BRAGG NORTH CAROLINA

PANELBOARDS AND EQUIPMENT SCHEDULE

PLATE REFERENCE NUMBER
E604
SHEET 97