

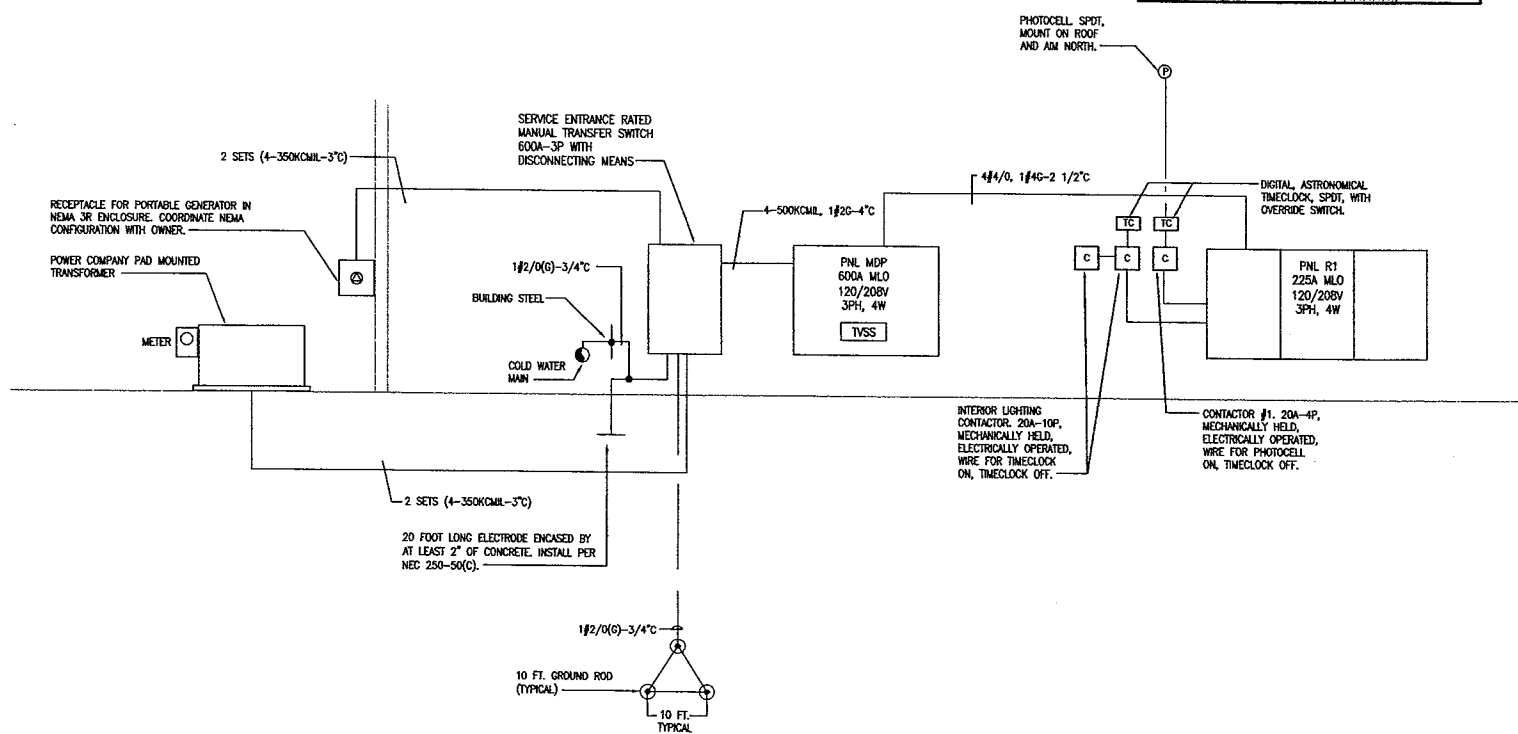
- INSTALL FIRE ALARM SYSTEM IN ACCORDANCE WITH ADA, NFPA 72, INTERNATIONAL BUILDING CODE, AND ALL LOCAL CODES.
- PROVIDING WIRING PER MANUFACTURER'S RECOMMENDATIONS.
- CONNECT SYSTEM TO EXISTING HVAC SYSTEM CONTROLLERS FOR SHUTDOWN OF ENTIRE HVAC SYSTEM UPON ALARM.
- FIRE ALARM SYSTEM SHALL AT MINIMUM MEET THE REQUIREMENTS OF A "PARTIAL SYSTEM" AS DEFINED BY NFPA 72.
- THE SYSTEM SHALL BE ARRANGED TO TRANSMIT AN ALARM AUTOMATICALLY TO THE FIRE DEPARTMENT BY AN APPROVED METHOD.
- ALL SMOKE, HEAT, FIRE-SENSING DETECTORS, MANUAL PULL-STATIONS, ALARMING DEVICES, OR OTHER FIRE RELATED SYSTEMS SHALL BE CONNECTED TO AND MONITORED BY THE MAIN FIRE ALARM SYSTEM, AND ACTIVATE THE GENERAL ALARM WHEN ANY OF THESE DEVICES ARE ACTIVATED.
- THE FIRE ALARM SYSTEM SHALL BE TESTED INITIALLY BY AN INDIVIDUAL LICENSED TO INSTALL FIRE ALARMS, AND AT LEAST ANNUALLY THEREAFTER.
- NO SMOKE DETECTORS SHALL BE LOCATED WITHIN 3 FEET OF AN HVAC SUPPLY OR RETURN VENT.
- CONNECT ALL TAMPER, FLOW, AND PRESSURE SWITCHES PROVIDED BY SPRINKLER CONTRACTOR. COORDINATE NUMBER OF CONNECTIONS WITH SPRINKLER SYSTEM PROVIDER.

1 FIRE ALARM RISER DIAGRAM
SCALE: NONE

PANELBOARD SCHEDULE "MDP"										
MANS: 600A MCB		VOLTAGE: 120/208			PHASE: 3		WIRE: 4		MOUNTING: SURFACE	
CIRC. NO.	TRIP POLE	DESCRIPTION	CONNECTED LOAD (KVA)			DESCRIPTION	TRIP POLE	CIRC. NO.		
			PHASE A	PHASE B	PHASE C					
1	15/3	HP-5	.9 / 3.6			FCU-5	40/3	2		
3				.9 / 3.6				4		
5					.9 / 3.6			6		
7	40/3	HP-4	2.2 / 4.3			FCU-3	45/3	8		
9				2.2 / 4.3				10		
11					2.2 / 4.3			12		
13	40/3	HP-3	2.2 / 4.3			FCU-4	45/3	14		
15				2.2 / 4.3				16		
17					2.2 / 4.3			18		
19	40/3	HP-2	2.2 / 4.3			FCU-2	45/3	20		
21				2.2 / 4.3				22		
23					2.2 / 4.3			24		
25	40/3	HP-1	2.2 / 4.3			FCU-1	45/3	26		
27				2.2 / 4.3				28		
29					2.2 / 4.3			30		
31	20/1	SPARE	X / X			SPARE	20/1	32		
33	20/1	SPARE		X / X		SPARE	20/1	34		
35	20/1	SPARE			X / X	SPARE	20/1	36		
37	20/1	SPARE	X / 27.06			PANEL R1	225/3	38		
39	20/1	SPARE		X / 27.54				40		
41	20/1	SPARE			X / 23.56			42		
42										
MIN. BREAKER A.L.C.		22,000	57.56	58.04	54.08	TOTAL CONNECT LOAD:	169.66	KVA		

NOTES: PROVIDE COPPER GROUND BUS

SERVICE LOAD SUMMARY				
MANS: 600A	VOLTAGE: 208Y/120VAC	PHASE: 3	WIRE: 4	
LOAD TYPE	CONNECTED LOAD (KVA)	DIVERSITY FACTOR	DEMAND LOAD (KVA)	
LIGHTING	17.5	100	17.5	
RECEPTACLES	55.26	PER NEC	32.63	
HVAC	96.4	100	96.4	
MISCELLANEOUS	.5	100	.5	
TOTAL LOAD	169.66		147.03	
TOTAL AMPERAGE	471.3		408.4	



2 POWER RISER DIAGRAM
SCALE: NONE

PANELBOARD SCHEDULE "R1" (SECTION 1)										
MANS: 225A MLO		VOLTAGE: 120/208			PHASE: 3		WIRE: 4		MOUNTING: SURFACE	
CIRC. NO.	TRIP POLE	DESCRIPTION	CONNECTED LOAD (KVA)			DESCRIPTION	TRIP POLE	CIRC. NO.		
			PHASE A	PHASE B	PHASE C					
1	20/1	RECEPTACLES	.9 / .9			BOOSTER PUMP	15/3	2		
3	20/1	RECEPTACLES		1.1 / .9				4		
5	20/1	RECEPTACLES			1.1 / .9			6		
7	20/1	LAB RECEPTACLES	.5 / 1.2			EQUIPMENT RECEPTACLE	20/1	8		
9	20/1	LAB RECEPTACLES		.5 / 1.2		EQUIPMENT RECEPTACLE	20/1	10		
11	20/1	LAB RECEPTACLES			.5 / 1.2	EQUIPMENT RECEPTACLE	20/1	12		
13	20/1	RECEPTACLES	1.1 / 1.2			EQUIPMENT RECEPTACLE	20/1	14		
15	20/1	RECEPTACLES		.9 / 1.3		RO UNIT	20/3	16		
17	20/1	RECEPTACLES			.9 / 1.3			18		
19	20/1	RECEPTACLES	.9 / 1.3					20		
21	20/1	RECEPTACLES		1.1 / .9		RE-PRESSURIZATION PUMP	15/3	22		
23	20/1	RECEPTACLES			1.1 / .9			24		
25	20/1	BRK RM RECEPTACLE	1.0 / .9					26		
27	20/1	BRK RM RECEPTACLE		1.0 / 1.2		EQUIPMENT RECEPTACLE	20/1	28		
28	20/1	MICROWAVE			1.2 / .9	EQUIPMENT RECEPTACLE	20/1	30		
31	20/1	REFRIGERATOR	1.2 / .9			EQUIPMENT RECEPTACLE	20/1	32		
33	20/1	COOPER		1.2 / .9		EQUIPMENT RECEPTACLE	20/1	34		
35	20/1	FACP			.5 / .7	EF-1, EF-3, EF-4	20/1	36		
37	20/1	EMC	1.2 / 1.6			ATDC VENTILATORS	20/1	38		
39	20/1	DOOR ACTUATOR		1.0 / .2		EF-5	20/1	40		
41	20/1	SPARE			X / X	SPARE	20/1	42		

PANELBOARD SCHEDULE "R1" (SECTION 2)									
CIRC. NO.	TRIP POLE	DESCRIPTION	CONNECTED LOAD (KVA)			DESCRIPTION	TRIP POLE	CIRC. NO.	
			PHASE A	PHASE B	PHASE C				
43	20/1	RECEPTACLES	1.1 / .5			RECEPTACLES	20/1	44	
45	20/1	RECEPTACLES		1.1 / .5		RECEPTACLES	20/1	46	
47	20/1	RECEPTACLES			.9 / .5	RECEPTACLES	20/1	48	
49	20/1	RECEPTACLES	.5 / .72			RECEPTACLES	20/1	50	
51	20/1	RECEPTACLES		.5 / .72		RECEPTACLES	20/1	52	
53	20/1	RECEPTACLES			.72 / .72	RECEPTACLES	20/1	54	
55	20/1	RECEPTACLES	.72 / .72			RECEPTACLES	20/1	56	
57	20/1	RECEPTACLES		.72 / .5		RECEPTACLES	20/1	58	
59	20/1	RECEPTACLES			.72 / .5	RECEPTACLES	20/1	60	
61	20/1	RECEPTACLES	.5 / .5			RECEPTACLES	20/1	62	
63	20/1	RECEPTACLES		.5 / .5		RECEPTACLES	20/1	64	
65	20/1	RECEPTACLES			.5 / .5	RECEPTACLES	20/1	66	
67	20/1	RECEPTACLES	.5 / .5			RECEPTACLES	20/1	68	
69	20/1	RECEPTACLES		.5 / .5		RECEPTACLES	20/1	70	
71	20/1	NURSE CALL			.5 / X	SPARE	20/1	72	
73	20/1	DATA BACKBOARD	.5 / X			SPARE	20/1	74	
75	20/1	DATA BACKBOARD		.5 / X		SPARE	20/1	76	
77	20/1	SPARE			X / X	SPARE	20/1	78	
79	20/1	SPARE	X / X			SPARE	20/1	80	
81	20/1	SPARE		X / X		SPARE	20/1	82	
83	20/1	SPARE			X / X	SPARE	20/1	84	

PANELBOARD SCHEDULE "R1" (SECTION 3)									
CIRC. NO.	TRIP POLE	DESCRIPTION	CONNECTED LOAD (KVA)			DESCRIPTION	TRIP POLE	CIRC. NO.	
			PHASE A	PHASE B	PHASE C				
85	15/2	CU-6	1.1 / 2			EXTERIOR LIGHTING	20/1	86	
87				1.1 / 1.6		EXTERIOR LIGHTING	20/1	88	
89	15/2	FCU-6			.1 / 1.6	EMERGENCY/EXIT LIGHTING	20/1	90	
91			.1 / 1.6			LIGHTING	20/1	92	
93	20/1	SPARE		X / 1.8		LIGHTING	20/1	94	
95	20/1	SPARE			X / 1.8	LIGHTING	20/1	96	
97	20/1	SPARE	X / 1.8			LIGHTING	20/1	98	
99	20/1	SPARE		X / 1.8		LIGHTING	20/1	100	
101	20/1	SPARE			X / 1.5	LIGHTING	20/1	102	
103	20/1	SPARE	X / 7			LIGHTING	20/1	104	
105	20/1	SPARE		X / 1.3		LIGHTING	20/1	106	
107	20/1	SPARE			X / 1.8	LIGHTING	20/1	108	
109	20/1	SPARE	X / X			SPARE	20/1	110	
111	20/1	SPARE		X / X		SPARE	20/1	112	
113	20/1	SPARE			X / X	SPARE	20/1	114	
115	20/1	SPARE	X / X			SPARE	20/1	116	
117	20/1	SPARE		X / X		SPARE	20/1	118	
119	20/1	SPARE			X / X	SPARE	20/1	120	
121	20/1	SPARE	X / X			SPARE	20/1	122	
123	20/1	SPARE		X / X		SPARE	20/1	124	
125	20/1	SPARE			X / X	SPARE	20/1	126	
MIN. BREAKER A.L.C.		22,000	27.06	27.54	23.58	TOTAL CONNECT LOAD:	78.16	KVA	
NOTES:		PROVIDE COPPER GROUND BUS				TOTAL DEMAND LOAD:	55.53	KVA	

MINICK ENGINEERING, INC.
©2006
3585 Hoberham at Northlake
Tucker, Georgia 30084
TEL (770)-491-7848
FAX (770)-491-7858
27088

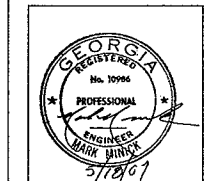


PEACOCK architects

2000 RIVERDEE PARKWAY
SUITE SEVEN HUNDRED
ATLANTA GEORGIA 30328
404 - 214 - 5200 PHONE
404 - 214 - 5208 FAX

HARBIN CLINIC
SUMMERVILLE MOB

12547 HIGHWAY 27
SUMMERVILLE, GEORGIA 30147



DATE	REVISION
04/24/07	DD MEETING
05/18/07	ISSUE FOR CONSTRUCTION

PROJECT NO: 16105.01
DATE: 05/18/07
DRAWING TITLE: RISER DIAGRAMS & PANEL SCHEDULES

E3.10

To Order Plans Go To WWW.LDIREPRO.COM

