

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

EMERGENCY POWER PANELBOARD SCHEDULES

PANEL CHGA		VOLTS 480Y/277		PHASE 3		WIRE 4		BUS AMPS 250		REMARKS									
LOCATION MECH G102		MCB		MIN SCC RATING 65,000				MOUNTING SURFACE		1. ALL WIRE SIZES #12 AWG AND CONDUIT 3/4", UNO.									
LOAD DESCRIPTION		LOAD (KVA)			CND SIZE	WIRE NO	TRIP SIZE	P NO	CTKT BRKR	WIRE NO	CND SIZE	LOAD (KVA)			LOAD DESCRIPTION				
		A	B	C								A	B	C					
LGTS		0.9					20	1	1	1			5.5						
SPARE							20	1	3	1		4	3	50	8	3/4"			
SPARE							20	1	5	1			10	1G					
SPARE							20	1	7	1									
SPARE							20	1	9	1		10	3	80	4	1-1/2"			
SPARE							20	1	11	1			8	1G					
SPACE ONLY								1	13	1		14	1						
SPACE ONLY								1	15	1		16	1						
SPACE ONLY								1	17	1		18	1						
LEFT SUB-TOTAL		0.9																	
RIGHT SUB-TOTAL		14.9	16.2	13.5															
PER PHASE TOTAL		15.9	16.2	13.5	45.6														
TOTAL PANEL LOAD																			
CONNECT DEMAND																			
KVA 46 47																			
AMPS 55 56																			

PANEL CLGA	VOLTS 208Y/120			PHASE 3	WIRE 4	BUS AMPS 100	REMARKS												
LOCATION MECH G102	MCB 100A			MIN SCC RATING 42,000			MOUNTING SURFACE			1. ALL WIRE SIZES #12 AWG AND CONDUIT 3/4", UNO.									
LOAD DESCRIPTION	LOAD (KVA)			CND SIZE	WIRE NO	SIZE	TRIP P.	CTKT BRKR	WIRE NO	SIZE	CND SIZE	LOAD (KVA)			LOAD DESCRIPTION				
	A	B	C									A	B	C					
GROUND FLOOR LGTS.	0.6				20	1	1	1		2	1	20	1.2		1st FLOOR LGTS.				
SPARE					20	1	3	1		4	1	20			SPARE				
SPARE					20	1	5	1		6	1	20			SPARE				
SPARE					20	1	7	1		8	1	20			SPARE				
REC. G108	0.4				20	1	9	1		10	1	20	0.4		REC. A119				
REC. G108			0.4		20	1	11	1		12	1	20		0.4	REC. A119				
REC. G108	0.4				20	1	13	1		14	1	20	0.4		REC. A119				
REC. G108			0.4		20	1	15	1		16	1	20		0.4	REC. A119				
SPARE					20	1	17	1		18	1	20		0.4	REC. A118				
SPARE					20	1	19	1		20	1	20	0.4		REC. A118				
SPARE					20	1	21	1		22	1	20		1.4	REC. REFRIGERATOR				
SPARE					20	1	23	1		24	1	20		0.7	REC. A112				
SPARE					20	1	25	1		26	1	20	0.2		CARE TRACKER				
SPARE					20	1	27	1		28	1	20		1.2	MOTORIZED DOORS				
SPARE					20	1	29	1		30	1	20			SPARE				
SPACE ONLY					20	1	31	1		32	2	12	3	3/4"	AC-1				
SPACE ONLY					20	1	33	1		34	2	12	1G		0.8				
SPACE ONLY					20	1	35	1		36	2	12	3	3/4"	AC-1				
REC. G102,4,5,EL.PIT	0.9				20	1	37	1		38	2	12	1G		0.8				
SUMP PUMP		1.1			20	1	39	1		40	2	12	3	3/4"	0.8				
W.H. & HWRP (1/6HP)			0.7		20	1	41	1							0.8				
TOTAL PANEL LOAD																			
CONNECT DEMAND																			
KVA 16 17																			
AMPS 46 48																			

PANEL LLGA	VOLTS 208Y/120	PHASE 3	WIRE 4	BUS AMPS 100	REMARKS							
LOCATION MECH G102	MCB 50A	MIN SCC RATING 22,000		MOUNTING SURFACE	1. ALL WIRE SIZES #12 AWG AND CONDUIT 3/4", UNO.							
LOAD DESCRIPTION	LOAD (KVA)		CND SIZE	WIRE		CKT BRKR	WIRE	CND SIZE	LOAD (KVA)		LOAD DESCRIPTION	
	A	B		NO	TRIP P. NO				NO	P		TRIP SIZE
EGRESS LGTS	0.9			20	1	1	(A	2	1	20		SPARE
EGRESS LGTS		1.1		20	1	3	(B	4	1	20	0.2	ELEVATOR CAB LGTS
EXTERIOR EGRESS LGT			1.0	20	1	5	(C	6	1	20	1.8	FIRE ALARM PANEL
SPARE				20	1	7	(A	8	1	20		SPARE
SPARE				20	1	9	(B	10	1	20		SPARE
SPARE				20	1	11	(C	12	1	20		SPARE
LEFT SUB-TOTAL	0.9	1.1	1.0									
RIGHT SUB-TOTAL		0.2	1.8									
PER PHASE TOTAL	0.9	1.3	2.8	5.0								
TOTAL PANEL LOAD												
CONNECT DEMAND												
KVA 5 6												
AMPS 14 17												

DRY-TYPE TRANSFORMER SCHEDULE

DESIGNATION	KVA	VOLTAGES PRIMARY SECONDARY	PHASE	SECONDARY WIRING COND(S)	GROUND ELECTRODE COND(S)	CND SIZE	MOUNTING	REMARKS
CLGA	30	480 208Y/120	3	(4) #2 & (1) #6 GND	#6	1-1/4"	FLOOR	LOW NOISE TRANSFORMER 4" CONC PAD, 4" BEYOND EDGE OF XFMR
NLGA	75	480 208Y/120	3	(4) #250 ECH-MIL & (1) #4 GND	#2	2-1/2"	FLOOR	LOW NOISE TRANSFORMER 4" CONC PAD, 4" BEYOND EDGE OF XFMR

NORMAL POWER PANELBOARD SCHEDULES

PANEL NHGDP LOCATION ELEC G104	VOLTS 480Y/277 MCB 600A		PHASE 3	WIRE 4		BUS AMPS 600		REMARKS 1. ALL WIRE SIZES #12 AWG AND CONDUIT 3/4", UNO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
LOAD DESCRIPTION	LOAD (KVA)			CND SIZE	WIRE	CKT BRKR	P. NO	CTKT BRKR	WIRE	CND SIZE	LOAD (KVA)			LOAD DESCRIPTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	A	B	C		NO	SIZE			TRIP		SIZE	NO	A		B	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	5.5				4	4			8		3	1			2	3	125	1	3	1-1/4"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
PNL-NHGA		6.1		1-1/4"	4	4	8	3	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

PANEL NHGA		VOLTS 480Y/277		PHASE 3		WIRE 4		BUS AMPS 125		REMARKS									
LOCATION MECH G104		MAIN LUGS ONLY		MIN SCC RATING 42,000				MOUNTING SURFACE		1. ALL WIRE SIZES #12 AWG AND CONDUIT 3/4", UNO.									
LOAD DESCRIPTION	LOAD (KVA)			CND SIZE	WIRE		CTKT NO	BRKR TRIP	P. NO		CTKT BRKR		WIRE		CND SIZE	LOAD (KVA)			LOAD DESCRIPTION
	A	B	C		NO	P					TRIP	SIZE	NO	A		B	C		
GROUND FLOOR LGTS.	3.1						20	1	1			2	1	20			2.4		1st FLOOR LGTS.
SPARE							20	1	3			4	1	20					SPARE
SPARE							20	1	5			6	1	20					SPARE
SPARE							20	1	7			8	1	20					SPARE
FPU-1, 2 G103		1.9					15	1	9			10	1	15			1.6		FPU-12-19
FPU-3, 4, 5 G111			2.0				15	1	11			12	1	15			4.0		WH-1 (4KW)
SPARE							20	1	13			14	1	20			4.0		WH-1 (4KW)
SPARE							20	1	15			16	1	15			2.6		FPU-6-11
SPARE							20	1	17			18	1	20					SPARE
SPACE ONLY								1	19			20	1						SPACE ONLY
SPACE ONLY								1	21			22	1						SPACE ONLY
SPACE ONLY								1	23			24	1						SPACE ONLY
TOTAL PANEL LOAD																			
CONNECT DEMAND																			
KVA 22 25																			
AMPS 26 30																			

PANEL NLGA	VOLTS 208Y/120	PHASE 3	WIRE 4	BUS AMPS 400	REMARKS															
LOCATION ELEC G104	MCB 250A	MIN SCC RATING 42,000			MOUNTING SURFACE			1. ALL WIRE SIZES #12 AWG AND CONDUIT 3/4", UNO. 2. CIRCUIT 21 SHALL BE A GFCI TYPE CIRCUIT BREAKER.												
LOAD DESCRIPTION	LOAD (KVA)			CND SIZE	WIRE			CTKT BRKR	WIRE	CND SIZE	LOAD (KVA)			LOAD DESCRIPTION						
	A	B	C		NO	SIZE	TRIP				P. NO	NO	P		TRIP	SIZE	NO	A	B	C
REC. G111,EXT.	0.5						20	1	1					0.5			REC. G103			
REC. G111		0.5					20	1	3						0.5		REC. G103			
REC. G111			0.5				20	1	5							0.5	REC. G103,G107			
REC. G111	0.5						20	1	7					0.5			REC. G103			
REC. G111			0.4				20	1	9						0.5		REC. G102			
REC. G111			0.4				20	1	11							0.5	REC. G102,EXT.			
REC. G111	0.4						20	1	13								SPARE			
REC. G109-G111,EXT.		0.9					20	1	15								SPARE			
F-1 & ATU-1			0.1				15	1	17								SPARE			
BMS DDC CONTR.	0.4						20	1	19								SPACE ONLY			
EWG			0.6				20	1	21								SPACE ONLY			
SPARE							20	1	23								SPACE ONLY			
SPACE ONLY							1	25								10.6				
SPACE ONLY							1	27								15.3	PNL-NL1A			
SPACE ONLY							1	29									13.5			
LEFT SUB-TOTAL																	1.8	2.4	1.0	
RIGHT SUB-TOTAL																	11.7	16.3	14.6	
PER PHASE TOTAL																	13.5	18.7	15.7	47.9
TOTAL PANEL LOAD																				
CONNECT DEMAND																				
KVA																	48	42		
AMPS																	133	116		

PANEL NL1A	VOLTS 208/120			PHASE 3	WIRE 4	BUS AMPS 225		REMARKS																							
LOCATION PANTRY A106	MAIN LUGS ONLY			MIN SCC RATING 42,000			MOUNTING FLUSH		1. ALL WIRE SIZES #12 AWG AND CONDUIT 3/4", UNO. 2. CIRCUITS 37 & 38 SHALL BE A GFCI TYPE CIRCUIT BREAKERS.																						
LOAD DESCRIPTION	LOAD (KVA)			CND SIZE	WIRE NO	SIZE	CTKT	BRKR	P	NO	NO	CTKT	BRKR	WIRE NO	CND SIZE	LOAD (KVA)			LOAD DESCRIPTION												
	A	B	C													A	B	C													
1st FLOOR LGTS	1.1						20	1	1	A		2	1	20			0.5			REC. A120,A121,A122											
		1.2					20	1	3	B		4	1	20			0.7			REC. A140,A141,EXT.											
1st FLOOR LGTS			1.2				20	1	5	C		6	1	20			0.7			REC. A141,A134,EXT.											
1st FLOOR LGTS	1.0						20	1	7	A		8	1	20			0.7			REC. A123											
SPARE							20	1	9	B		10	1	20			0.7			REC. A124											
SPARE							20	1	11	C		12	1	20			0.7	0.7		REC. A125											
REC. A110,A114	0.7						20	1	13	A		14	1	20			0.7			REC. A126											
REC. A111,A115-A117		0.7					20	1	15	B		16	1	20			0.7			REC. A127											
REC. A111,A118			0.7				20	1	17	C		18	1	20			0.7			REC. A128											
REC. A109	0.7						20	1	19	A		20	1	20			0.7			REC. A129											
REC.A109,A111		0.7					20	1	21	B		22	1	20			0.7			REC. A130											
REC. A109,EXT.			0.7				20	1	23	C		24	1	20			0.7			REC. A131											
REC. A108,A139,A137	0.9						20	1	25	A		26	1	20			0.7			REC. A132											
REC. A109,A110		0.7					20	1	27	B		28	1	20			0.7			REC. A135											
REC. A109,A110,A138			0.7				20	1	29	C		30	1	20						SPARE											
REC. A101,EXT.	1.1						20	1	31	A		32	1	20			0.5			HOOD											
REC. A106		0.4					20	1	33	B		34	1	20				1.4		WASHER											
F-2,ATU-2,FC-1			0.6				15	1	35	C		36	1	15			0.2			F-3,ATU-3											
EWC	0.6						50	2	37	A		38	1	20			0.6			EWC											
RANGE		4.0					20	2	39	B		40	2	30				2.5		DRYER											
										C																					
																2.5				TOTAL PANEL LOAD											
																				CONNECT				DEMAND							
																				KVA				39		37					
																				AMPS				109				102			
LEFT SUB-TOTAL																6.1				7.7				8.0							
RIGHT SUB-TOTAL																4.5				7.5				5.6							
PER PHASE TOTAL																10.6				15.3				13.5				39.4			