

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

NEW PANEL

PE				VOLTS 208Y/120V 3P 4W				A/C 22,000			
ROOM				BUS AMPS 400				MAIN BRK MLO			
MOUNTING SURFACE				NEUTRAL 100%				LUGS FEEDTHRU			
FED FROM D1											
NOTE EMERGENCY POWER											
OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION	OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION	OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION
1	20/2	3.2	EXISTING EXTERIOR LIGHTING	2	30/3	8.64	Z 88 TURBO WASHER	3	40/4	0	
3	3/3	8.64	Z 88 TURBO WASHER	4	40/4	0		5	50/5	5.47	CC 9100 CART WASH
7	20/1	0.558	LIGHTING	8	20/1	0.1	OP	9	20/1	0	SP
11	20/1	0.72	RECEPTACLE	12	20/1	0.1	OP	13	20/1	0	SP
13	20/1	0.9	RECEPTACLE	14	30/3	8.64	A6 STERRAD 100W	15	20/1	0	SP
17	20/1	0	SPACE	18	20/1	0	SP	19	20/1	0	SP
20	20/1	0.528	EF3	21	20/1	0.2	DOC	22	20/1	0	SP
21	20/1	0.9	WET LOCATION RECEPT. GFCI COUNTER	23	20/1	1.81	LIGHTING	24	20/1	1.33	LIGHTING
22	20/1	1.81	LIGHTING	25	20/1	1.73	LIGHTING	26	20/1	1.73	LIGHTING
23	20/1	1.33	LIGHTING	27	20/1	1.68	LIGHTING	28	20/1	0	SPACE
25	20/1	1.73	LIGHTING	29	20/1	0	SPACE	30	20/1	0	SPACE
26	20/1	1.68	LIGHTING	31	20/1	0.8	COUNTER	32	20/1	0	SPACE
27	20/1	1.6	LIGHTING	33	20/1	1.62	CEILING RECEPTACLE	34	20/1	0	SPACE
29	20/1	0	SPACE	35	20/1	0.72	RECEPTACLE	36	20/1	0	SPACE
30	20/1	0	SPACE	37	20/1	0.9	RECEPTACLE	38	20/1	0	SPACE
31	20/1	0.8	COUNTER	39	20/1	0.9	GFCI	40	20/1	0.72	GFCI
32	20/1	0	SPACE	41	20/1	0.72	GFCI	42	20/1	0	SPACE
33	20/1	1.62	CEILING RECEPTACLE								
35	20/1	0.72	RECEPTACLE								
37	20/1	0.9	RECEPTACLE								
39	20/1	0.9	GFCI								
41	20/1	0.72	GFCI								
CONNL KVA				CALC. KVA				CONNL KVA			
LARGEST MOTOR				OTHER MOTORS				RECEPTACLES			
TOTAL KVA				BALANCED THREE PHASE AMPS				PHASE BALANCE PERCENT: PHASE A 99.3% PHASE B 101% PHASE C 100%			

NEW PANEL FOR SPD FED FROM EQUIPMENT BRANCH EMERGENCY POWER.

NEW PANEL

EQB

ROOM			VOLTS 208Y/120V 3P 4W			A/C 22,000			
MOUNTING RECESSED			BUS AMPS 100			MAIN BRK 100			
FED FROM EDP-DEQ			NEUTRAL 100%			LUGS STANDARD			
NOTE									
OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION	OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION		
1	20/1	0.9	CEILING RECEPTACLE	2	20/1	0	SPARE		
2	20/1	0	SPARE	4	20/1	0	SPARE		
3	20/1	0	SPARE	6	20/1	0	SPARE		
4	20/1	0	SPARE	8	20/1	0	SPARE		
5	20/1	0	SPARE	10	20/1	0	SPARE		
6	20/1	0	SPARE	12	20/1	0	SPARE		
7	20/1	0	SPARE	14	20/1	0	SPARE		
8	20/1	0	SPARE	16	20/1	0	SPARE		
9	20/1	0	SPARE	18	20/1	0	SPARE		
10	20/1	0	SPARE	20	20/1	0	SPARE		
11	20/1	0	SPARE	22	20/1	0	SPARE		
12	20/1	0	SPARE	24	20/1	0	SPARE		
13	20/1	0	SPARE	26	20/1	0	SPARE		
14	20/1	0	SPARE	28	20/1	0	SPARE		
15	20/1	0	SPARE	30	20/1	0	SPARE		
16	20/1	0	SPARE	32	20/1	0	SPARE		
CONNL KVA			CALC. KVA	CONNL KVA			CALC. KVA		
LIGHTING			0	CONTINUOUS			0	(1200)	
LARGEST MOTOR			0	HEATING			0	0	
OTHER MOTORS			0	NONCONTINUOUS			0	(1000)	
RECEPTACLES			0.9	KITCHEN EQUIP			0	(N/A)	
				HOB/DISH W/DRYER			0	(N/A)	
				TOTAL KVA			0.9	0.9	
				BALANCED THREE PHASE AMPS			2.5	2.5	
PHASE PERCENT: PHASE A			300%	PHASE B			0%	PHASE C	0%

NEW EMERGENCY EQUIPMENT BRANCH PANEL FOR USE OUTSIDE OF SPD. RELOCATE EXISTING ACTIVE CIRCUITS FROM REMOVED PANEL B TO THIS NEW PANEL.

NEW PANEL

B283

ROOM

MOUNTING SURFACE

FED FROM D-GEAR FEEDER2

NOTE

VOLTS 208Y/120V 3P 4W

BUS AMPS 225

NEUTRAL 100%

A/C 30,000

MAIN BRK MLO

LUGS STANDARD

OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION	OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.72	RECEPTACLE, GFCI IN DOC PANEL	2	20/1	0.9	GFCI IN DOC PANEL, GFCI, RECEPTACLE
3	20/1	0.72	RECEPTACLE	4	20/1	0.18	EXTERIOR RECEPT.
5	20/1	0.54	REFRIGERATOR	6	40/2	0.488	WH. W/ #10-80
7	20/1	0.6	REFRIGERATOR	8	40/2	0	EXTERIOR LIGHTING (RELOCATED CIRCUIT FROM REMOVED B-180)
9	20/1	1.2	MICROWAVE	10	1	0	
11	20/1	0.18	COUNTER COFFEE	12	20/1	1.08	GFCI, RECEPTACLE
13	20/1	0.36	COUNTER	14	20/1	0.36	COUNTER
15	20/1	0.36	GFCI	16	20/1	0.36	GFCI
17	20/1	0.54	GFCI	18	20/1	0.36	GFCI
19	20/1	0.54	GFCI	20	20/1	0.488	LIGHTING
21	20/1	1	A18 SCRUBEX MACHINE	22	20/1	0	SPACE
23	20/1	0	SPACE	24	20/1	0	SPACE
25	20/1	0	SPACE	26	20/1	0	SPACE
27	20/1	0	SPACE	28	20/1	0	SPACE
29	20/1	0	SPACE	30	20/1	0	SPACE
31	20/1	0	SPACE	32	20/1	0	SPACE
33	20/1	0	SPACE	34	20/1	0	SPACE
35	20/1	0	SPACE	36	20/1	0	SPACE
37	20/1	0	SPACE	38	20/1	0	SPACE
39	20/1	0	SPACE	40	20/1	0	SPACE
41	20/1	0	SPACE	42	20/1	0	SPACE

CONNL KVA

0.488

0.61

1.225

LARGEST MOTOR

0.488

0.585

1.225

OTHER MOTORS

0

0

100%

RECEPTACLES

7.8

7.8

100%

TOTAL KVA

11

11.4

11.4

BALANCED THREE PHASE AMPS

31.8

31.8

31.8

PHASE BALANCE PERCENT: PHASE A 109% PHASE B 105% PHASE C 86.7%

NEW NORMAL POWER PANEL FOR USE OUTSIDE OF SPD

NEW PANEL FED FROM EMERGENCY POWER LIFE SAFETY BRANCH

LS

ROOM				VOLTS 208Y/120V 3P 4W				AMP 22,000			
MOUNTING SURFACE				BUS AMPS 100				MAIN BRK 100			
FED FROM T-LS				NEUTRAL 100%				LUGS STANDARD			
NOTE											
OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION	OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION	OKT #	OKT #	LOAD KVA	CIRCUIT DESCRIPTION
1	20/1	0.427	LIGHTING	2	20/1	0.6	LIGHTING	3	20/1	1.44	EXIT SIGNS
3	20/1	1.44	EXIT SIGNS	4	20/1	0.248	DOOR OPERATOR	5	20/1	0.2	DOOR OPERATOR
5	20/1	0.156	LIGHTING	6	20/1	0.248	DOOR OPERATOR	7	20/1	0.558	LIGHTING
7	20/1	0.558	LIGHTING	8	20/1	0	SPACE	9	20/1	0	SPACE
9	20/1	0	FIRE ALARM PANEL, SPD	10	20/1	0	SPACE	11	20/1	0	SPACE
11	20/1	0.4	FIRE ALARM PANEL, SPD	12	20/1	0	SPACE	13	20/1	0	SPACE
13	20/1	0	SPACE	14	20/1	0	SPACE	15	20/1	0	SPACE
15	20/1	0	SPACE	16	20/1	0	SPACE	17	20/1	0	SPACE
17	20/1	0	SPACE	18	20/1	0	SPACE	19	20/1	0	SPACE
CONNL. KVA		OALC. KVA		CONNL. KVA		OALC. KVA		CONNL. KVA		OALC. KVA	
LIGHTING	4.86	6.08	(1020)	CONTINUOUS	0	0	0.5	(1020)			
LARGEST MOTOR	0.2	0.25	(1200)	HEATING	0	0	0	(1020)			
OTHER MOTORS	0	0	(1020)	KITCHEN EQUIP.	0	0	0	(1020)			
RECEPTILES	0	0	(1020)	NONCONFORM/DIVERSE	0	0	0	(1020)			
				TOTAL KVA				TOTAL KVA			
				19.6				6.83			
				BALANCED THREE PHASE AMPS				19			
PHASE BALANCE PERCENT: PHASE A				97.93				PHASE B 158% PHASE C 44%			