PANEL 'M1'
208Y/120-VOLT, 3-PHASE, 4-WIRE
400-AMP, MAIN LUGS ONLY
MOUNTING: FLUSH
NOTES: EXISTING PANELBOARD.

CKT NO	WIRE SIZE	VOLT DROP	LOAD DESCRIPTION	REF NO	BRKR TYPE	LOAD AMPS	BREAKER P	BREAKER AMP	PHASE AMPS A	PHASE AMPS B	PHASE AMPS C	BREAKER AMP	BREAKER P	LOAD AMPS	BRKR TYPE	REF NO	LOAD DESCRIPTION	VOLT DROP	WIRE SIZE	CKT NO
1	10	0.7%	GWP-1		HACR	16.7	3	25	33.4			25	3	16.7	HACR		GWP-2	0.8%	10	2
3	10	0.7%	GWP-1		HACR	16.7	*	**		33.4		**	*	16.7	HACR		GWP-2	0.8%	10	4
5	10	0.7%	GWP-1		HACR	16.7	*	**			33.4	**	*	16.7	HACR		GWP-2	0.8%	10	6
7	12	0.6%	PHWP-1		HACR	10.6	3	20	21.2			20	3	10.6	HACR		PHWP-2	0.7%	12	8
9	12	0.6%	PHWP-1		HACR	10.6	*	**		21.2		**	*	10.6	HACR		PHWP-2	0.7%	12	10
11	12	0.6%	PHWP-1		HACR	10.6	*	**			21.2	**	*	10.6	HACR		PHWP-2	0.7%	12	12
13	12	0.7%	SHWP-33-1		HACR	10.6	3	20	21.2			20	3	10.6	HACR		SHWP-33-2	0.7%	12	14
15	12	0.7%	SHWP-33-1		HACR	10.6	*	**		21.2		**	*	10.6	HACR		SHWP-33-2	0.7%	12	16
17	12	0.7%	SHWP-33-1		HACR	10.6	*	**			21.2	**	*	10.6	HACR		SHWP-33-2	0.7%	12	18
19	6	0.9%	FUTURE SHWP-54-1		HACR	46.2	3	60	92.4			60	3	46.2	HACR		FUTURE SHWP-54-2	0.9%	6	20
21	6	0.9%	FUTURE SHWP-54-1		HACR	46.2	*	**		92.4		**	*	46.2	HACR		FUTURE SHWP-54-2	0.9%	6	22
23	6	0.9%	FUTURE SHWP-54-1		HACR	46.2	*	**			92.4	**	*	46.2	HACR		FUTURE SHWP-54-2	0.9%	6	24
25	6	0.8%	FUTURE SHWP-119-1		HACR	46.2	3	60	92.4			60	3	46.2	HACR		FUTURE SHWP-119-2	0.8%	6	26
27	6	0.8%	FUTURE SHWP-119-1		HACR	46.2	*	**		92.4		**	*	46.2	HACR		FUTURE SHWP-119-2	0.8%	6	28
29	6	0.8%	FUTURE SHWP-119-1		HACR	46.2	*	**			92.4	**	*	46.2	HACR		FUTURE SHWP-119-2	0.8%	6	30
31	12	1.3%	AHU-1 RETURN FAN		HACR	10.6	3	20	10.6			20	1				SPARE			32
33	12	1.3%	AHU-1 RETURN FAN		HACR	10.6	*	**		10.6		20	1				SPARE			34
35	12	1.3%	AHU-1 RETURN FAN		HACR	10.6	*	**			10.6	20	1				SPARE			36
37	6	1.2%	AHU-1 SUPPLY FAN		HACR	46.2	3	60	96.2			70	3	50.0	HACR		WH-1 WATER HEATER	0.4%	4	38
39	6	1.2%	AHU-1 SUPPLY FAN		HACR	46.2	*	**		96.2		**	*	50.0	HACR		WH-1 WATER HEATER	0.4%	4	40
41	6	1.2%	AHU-1 SUPPLY FAN		HACR	46.2	*	**			96.2	**	*	50.0	HACR		WH-1 WATER HEATER	0.4%	4	42
			PROJECT #BLDG 33-PHASE 2					PANEL TOTALS:	367	367	367						03/03/11			

	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	
LIGHTING AND OTHER CONTINUOUS LOAD:	0.0	125%	0.0	Excludes track and show window lighting.
TRACK LIGHTING:	0.0	N/A	0.0	Length of Track: 0 ft
SHOW WINDOWS:	0.0	N/A	0.0	Length of show window0 ft
RECEPTACLE LOAD:	0.0	100%	0.0	100% of the first 10 kVA, plus 50% over 10 kVA.
KITCHEN EQUIPMENT LOAD:	0.0	100%	0.0	Based on 0 pieces of equipment.
HEATING (COINCIDENTAL) LOAD:	18.0	100%	18.0	Includes space heat in excess of cooling and other electric heat.
HEATING OR OTHER NON-COINCIDENTAL LOAD:	0.0	0%	0.0	Smaller of heat or cooling when loads do not operate simultaneously.
MOTORS AND OTHER NON-CONTINUOUS OR MISCELLANEOUS LOAD:	97.6	100%	97.6	All other loads excluding maximum motor load.
LARGEST MOTOR LOAD:	16.6	125%	20.8	
TOTALS:	132.3	103%	136.4	MINIMUM FEEDER: 379-AMPS

PANEL 'M2'
208Y/120-VOLT, 3-PHASE, 4-WIRE
225-AMP, MAIN LUGS ONLY
MOUNTING: FLUSH
NOTES: EXISTING PANELBOARD.

CKT NO	WIRE SIZE	VOLT DROP	LOAD DESCRIPTION	REF NO	BRKR TYPE	LOAD AMPS	BREAKER P	BREAKER AMP	PHASE AMPS A	PHASE AMPS B	PHASE AMPS C	BREAKER AMP	BREAKER P	LOAD AMPS	BRKR TYPE	REF NO	LOAD DESCRIPTION	VOLT DROP	WIRE SIZE	CKT NO
1	12	0.3%	LTS- CENT PLANT, PUMP RM, CORR			4.1	1	20	7.1			20	1	3.0			REC-CENT PLANT,PUMP RM	0.2%	12	2
3	12	0.8%	LTS-ELEC,CORR,UTIL			5.7	1	20		8.7		20	1	3.0			REC-ELEC,CORR	0.2%	12	4
5	12	0.3%	LTS-MECH,TELECOM			4.7	1	20			8.7	20	1	4.0			REC-MECH, SINK, DWCP-1	0.3%	12	6
7	12	0.5%	DDC CONTROL CABINET			5.0	1	20	14.8			20	1	9.8	HACR		GLYCOL PUMP-GF-1	0.6%	12	8
9	12	0.7%	CONTROL POWER			5.0	1	20		16.0		20	2	11.0	HACR		BOILER-B-1	0.7%	12	10
11	12	0.7%	CONTROL POWER			5.0	1	20			16.0	**	*	11.0	HACR		BOILER-B-1	0.7%	12	12
13	12	0.1%	DDC COMPUTER			3.0	1	20	6.0			20	1	3.0			REC-CONDENSER UNIT	0.3%	12	14
15			SPARE				1	20		1.3		20	1	1.3			UNIT HEATERS-UH-1,2,3	0.1%	12	16
17			SPARE				1	20			2.1	20	1	2.1			EXHAUST FAN-EF-1	0.2%	12	18
19			SPARE				1	20	0.0			20	1				SPARE			20
21			SPARE				1	20		0.0		20	1				SPARE			22
23			SPARE				1	20			0.0	20	1				SPARE			24
25			SPARE				1	20	0.0			20	1				SPARE			26
27			SPARE				1	20		0.0		20	1				SPARE			28
29			SPARE				1	20			0.0	20	1				SPARE			30
31			SPARE				1	20	0.0			20	1				SPARE			32
33			SPARE				1	20		0.0		20	1				SPARE			34
35	12	0.0%	FAN COIL UNIT-FC-1		HACR	0.5	2	15			0.5	20	1				SPARE			36
37	12	0.0%	FAN COIL UNIT-FC-1		HACR	0.5	*	**	0.5			20	1				SPARE			38
39	12	1.6%	CONDENSING UNIT-CU-1		HACR	12.1	2	20		12.1		20	1				SPARE			40
41	12	1.6%	CONDENSING UNIT-CU-1		HACR	12.1	*	**			12.1	20	1				SPARE			42
			PROJECT #BLDG 33-PHASE 2					PANEL TOTALS:	28	38	39						03/03/11			

	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	
LIGHTING AND OTHER CONTINUOUS LOAD:	2.1	125%	2.7	Excludes track and show window lighting.
TRACK LIGHTING:	0.0	N/A	0.0	Length of Track: 0 ft
SHOW WINDOWS:	0.0	N/A	0.0	Length of show window0 ft
RECEPTACLE LOAD:	1.9	100%	1.9	100% of the first 10 kVA, plus 50% over 10 kVA.
KITCHEN EQUIPMENT LOAD:	0.0	100%	0.0	Based on 0 pieces of equipment.
HEATING (COINCIDENTAL) LOAD:	0.0	100%	0.0	Includes space heat in excess of cooling and other electric heat.
HEATING OR OTHER NON-COINCIDENTAL LOAD:	0.0	0%	0.0	Smaller of heat or cooling when loads do not operate simultaneously.
MOTORS AND OTHER NON-CONTINUOUS OR MISCELLANEOUS LOAD:	5.7	100%	5.7	All other loads excluding maximum motor load.
LARGEST MOTOR LOAD:	2.9	125%	3.6	
TOTALS:	12.7	110%	14.0	MINIMUM FEEDER: 39-AMPS

PANEL 'T'
208Y/120-VOLT, 3-PHASE, 4-WIRE
225-AMP, MAIN LUGS ONLY
MOUNTING: FLUSH
NOTES: COMMERCIAL BOLT-ON CIRCUIT BREAKER PANELBOARD.
FURNISH PANEL WITH INTEGRAL TVSS.

CKT NO	WIRE SIZE	VOLT DROP	LOAD DESCRIPTION	REF NO	BRKR TYPE	LOAD AMPS	BREAKER P	BREAKER AMP	PHASE AMPS A	PHASE AMPS B	PHASE AMPS C	BREAKER AMP	BREAKER P	LOAD AMPS	BRKR TYPE	REF NO	LOAD DESCRIPTION	VOLT DROP	WIRE SIZE	CKT NO
1	12	0.5%	REC-UPS TELECOMM RM			12.5	1	30	15.5			20	1	3.0			FA CONTROL PANEL	0.1%	12	2
3	12	0.5%	REC-UPS TELECOMM RM			12.5	1	30		12.5		20	1				SPARE			4
5	12	0.5%	REC-UPS TELECOMM RM			12.5	1	30			15.5	20	1	3.0			INTRUSION DETECTION PANEL	0.1%	12	6
7			SPARE				1	20	1.5			20	1	1.5			REC-TELECOM	0.0%	12	8
9	12	0.5%	REC-UPS TELECOMM RM			12.5	1	30		12.5		20	1				SPARE			10
11			SPARE				1	20			3.0	20	1	3.0			REC-TELECOM	0.0%	12	12
13			SPARE				1	20	3.0			20	1	3.0			REC-TELECOM	0.1%	12	14
15			SPARE				1	20		0.0		20	1				SPARE			16
17			SPARE				1	20			0.0	20	1				SPARE			18
19			SPARE				1	20	0.0			20	1				SPARE			20
21			SPARE				1	20		0.0		20	1				SPARE			22
23			SPARE				1	20			0.0	20	1				SPARE			24
25			SPARE				1	20	0.0			20	1				SPARE			26
27			SPARE				1	20		0.0		20	1				SPARE			28
29			SPARE				1	20			0.0	20	1				SPARE			30
31			SPARE				1	20	0.0			20	1				SPARE			32
33			SPARE				1	20		0.0		20	1				SPARE			34
35			SPARE				1	20			0.0	20	1				SPARE			36
37			SPARE				1	20	0.0			20	1				SPARE			38
39			SPARE				1	20		0.0		20	1				SPARE			40
41			SPARE				1	20			0.0	20	1				SPARE			42
			PROJECT #BLDG 33-PHASE 2					PANEL TOTALS:	20	25	19						03/03/11			

	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	
LIGHTING AND OTHER CONTINUOUS LOAD:	0.0	125%	0.0	Excludes track and show window lighting.
TRACK LIGHTING:	0.0	N/A	0.0	Length of Track: 0 ft
SHOW WINDOWS:	0.0	N/A	0.0	Length of show window0 ft
RECEPTACLE LOAD:	6.9	100%	6.9	100% of the first 10 kVA, plus 50% over 10 kVA.
KITCHEN EQUIPMENT LOAD:	0.0	100%	0.0	Based on 0 pieces of equipment.
HEATING (COINCIDENTAL) LOAD:	0.0	100%	0.0	Includes space heat in excess of cooling and other electric heat.
HEATING OR OTHER NON-COINCIDENTAL LOAD:	0.0	0%	0.0	Smaller of heat or cooling when loads do not operate simultaneously.
MOTORS AND OTHER NON-CONTINUOUS OR MISCELLANEOUS LOAD:	0.7	100%	0.7	All other loads excluding maximum motor load.
LARGEST MOTOR LOAD:	0.0	125%	0.0	
TOTALS:	7.6	100%	7.6	MINIMUM FEEDER: 21-AMPS

PANEL '1'
208Y/120-VOLT, 3-PHASE, 4-WIRE
225-AMP, MAIN LUGS ONLY
MOUNTING: FLUSH
NOTES: COMMERCIAL BOLT-ON CIRCUIT BREAKER PANELBOARD.

CKT NO	WIRE SIZE	VOLT DROP	LOAD DESCRIPTION	REF NO	BRKR TYPE	LOAD AMPS	BREAKER P	BREAKER AMP	PHASE AMPS A	PHASE AMPS B	PHASE AMPS C	BREAKER AMP	BREAKER P	LOAD AMPS	BRKR TYPE	REF NO	LOAD DESCRIPTION	VOLT DROP	WIRE SIZE	CKT NO
1	12	0.8%	LTS-OFFICES, STOR., WOMENS, HAC			5.5	1	20	11.8			20	1	6.3			LTS-SUPPLY, OFFICES, MENS	1.1%	12	2
3	12	1.1%	LTS-OFFICES, CONFEREENCE ROOM			6.4	1	20		9.6		20	1	3.2			LTS-RECEPTION, WAITING	0.5%	12	4
5	12	0.3%	LTS-LOBBY 101, STAIRS ST12			2.1	1	20			6.1	20	1	4.0			LTS-OFFICES	0.5%	12	6
7	12	0.1%	LTS-LOBBY 101, STAIRS ST13			1.1	1	20	5.5			20	1	4.4			LTS-LOBBY 105, STAIRS ST11	1.2%	12	8
9	12	0.5%	LTS-CORRIDOR C13,C14			2.5	1	20		4.4		20	1	1.9			LTS-EXT. EGRESS LIGHTING	0.4%	12	10
11	12	0.0%	LTS-INTERIOR EMER. INVERTERS			4.0	1	20			6.3	20	1	2.3			LTS-EXTERIOR BUILDING	0.5%	12	12
13			SPARE				1	20	3.1			20	1	3.1			LTS-EXTERIOR GROUNDS	1.0%	12	14
15			SPARE				1	20		1.0		20	1	1.0			LTS- LTG CONTROL PANEL - LCP	0.0%	12	16
17	12	0.5%	REC-STORAGE, OFFICE			6.0	1	20			15.0	20	1	9.0			REC-OFFICE, SUPPLY	1.2%	12	18
19	12	0.5%	REC-OFFICE			4.5	1	20	13.5			20	1	9.0			REC-OFFICES	1.1%	12	20
21	12	0.4%	REC-RESTROOMS, HAC			4.5	1	20		9.0		20	1	4.5			REC-RECEPTION	0.5%	12	22
23	12	0.3%	REC-FLUSH VALVES/FAUCETS			4.0	1	20			10.0	20	1	6.0			REC-RECEPTION	1.5%	12	24
25	12	0.5%	REC-CORRIDORS			6.0	1	20	12.0			20	1	6.0			REC-OFFICE	0.9%	12	26
27	12	0.5%	REC-OFFICE			4.5	1	20		10.5		20	1	6.0			REC-OFFICE	1.2%	12	28
29	12	0.7%	REC-OFFICE			4.5	1	20			9.0	20	1	4.5			REC-WAITING, CORRIDORS	1.0%	12	30
31	12	0.7%	REC-CONFERENCE ROOM			6.0	1	20	9.0			20	1	3.0			REC-BUILDING EXTERIOR	0.4%	12	32
33	12	0.7%	REC-OFFICE			4.5	1	20		6.0		20	1	1.5			REC-EXTERIOR GROUNDS	0.3%	12	34
35			SPARE				1	20			0.0	20	1				SPARE			36
37			SPARE				1	20	0.0			20	1				SPARE			38
39	12	0.7%	REC- ELEVATOR PIT SUMP PUMP		GFCI	5.0	1	20		9.0		20	1	4.0			ELECTRIC WATER COOLER	0.3%	12	40
41	12	0.3%	REC/LTS- ELEVATOR PIT			2.0	1	20			3.5	20	1	1.5			IRRIGATION CONTOLLER	0.2%	12	42
			PROJECT #BLDG 33-PHASE 2					PANEL TOTALS:	55	50	50						03/03/11			

	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	
LIGHTING AND OTHER CONTINUOUS LOAD:	5.7	125%	7.2	Excludes track and show window lighting.
TRACK LIGHTING:	0.0	N/A	0.0	Length of Track: 0 ft
SHOW WINDOWS:	0.0	N/A	0.0	Length of show window0 ft
RECEPTACLE LOAD:	11.8	93%	10.9	100% of the first 10 kVA, plus 50% over 10 kVA.
KITCHEN EQUIPMENT LOAD:	0.0	100%	0.0	Based on 0 pieces of equipment.
HEATING (COINCIDENTAL) LOAD:	0.0	100%	0.0	Includes space heat in excess of cooling and other electric heat.
HEATING OR OTHER NON-COINCIDENTAL LOAD:	0.0	0%	0.0	Smaller of heat or cooling when loads do not operate simultaneously.
MOTORS AND OTHER NON-CONTINUOUS OR MISCELLANEOUS LOAD:	0.4	100%	0.4	All other loads excluding maximum motor load.
LARGEST MOTOR LOAD:	0.6	125%	0.8	
TOTALS:	18.5	104%	19.2	MINIMUM FEEDER: 53-AMPS

PANEL '2'
208Y/120-VOLT, 3-PHASE, 4-WIRE
225-AMP, MAIN LUGS ONLY
MOUNTING: FLUSH
NOTES: COMMERCIAL BOLT-ON CIRCUIT BREAKER PANELBOARD.

CKT NO	WIRE SIZE	VOLT DROP	LOAD DESCRIPTION	REF NO	BRKR TYPE	LOAD AMPS	BREAKER P	BREAKER AMP	PHASE AMPS A	PHASE AMPS B	PHASE AMPS C	BREAKER AMP	BREAKER P	LOAD AMPS	BRKR TYPE	REF NO	LOAD DESCRIPTION	VOLT DROP	WIRE SIZE	CKT NO
1	12	0.5%	LTS-OFFICE, CALL CTR., WOMENS			6.3	1	20	11.5			20	1	5.2			LTS-BREAKRM, CONF. RM., STORAGE	0.9%	12	2
3	12	0.8%	LTS-RECEPTION, WAITING			5.3	1	20		8.0		20	1	2.7			LTS-RECEPTION, WAITING	0.6%	12	4
5	13	0.9%	LTS-CORRIDOR			5.7	1	20			11.0	20	1	5.3			LTS- OFFICES	0.6%	12	6
7	12	0.4%	REC- OFFICE			4.5	1	20	7.5			20	1	3.0			REC-BREAK ROOM	0.3%	12	8
9	12	0.4%	REC-OFFICE			4.5	1	20		7.5		20	1	3.0			REC-BREAK ROOM	0.3%	12	10
11	12	1.0%	REC-OFFICE			7.5	1	20			9.0	20	1	1.5			REC-REFRIGERATOR	0.2%	12	12
13	12	0.3%	REC-ELEC./MECH., MENS, WOMENS			4.5	1	20	12.0			20	1	7.5			REC-CONFERENCE ROO, STORAGE	1.1%	12	14
15	12	0.3%	REC-FLUSH VALVES/FAUCETS			4.0	1	20		10.0		20	1	6.0			REC-RECEPTION	0.8%	12	16
17	12	0.9%	REC-CORRIDORS			6.0	1	20			12.0	20	1	6.0			REC-RECEPTION	0.8%	12	18
19	12	0.5%	REC-OFFICE			4.5	1	20	9.0			20	1	4.5			REC-OFFICE	0.5%	12	20
21	12	0.6%	REC-OFFICE			4.5	1	20		9.0		20	1	4.5			REC-OFFICE	0.6%	12	22
23	12	0.6%	REC-OFFICE			6.0	1	20			12.0	20	1	6.0			REC-OFFICE	1.1%	12	24
25	12	0.6%	REC-OFFICE			4.5	1	20	7.5			20	1	3.0			REC-WAITING	0.4%	12	26
27	12	0.9%	REC-OFFICE			6.0	1	20		6.0		20	1				SPARE			28
29			SPARE				1	20			0.0	20	1				SPARE			30
31			SPARE				1	20	0.0			20	1				SPARE			32
33			SPARE				1	20		0.0		20	1				SPARE			34
35			SPARE				1	20			0.0	20	1				SPARE			36
37			SPARE				1	20	0.0			20	1				SPARE			38
39			SPARE				1	20		0.0		20	1				SPARE			40
41			SPARE				1	20			4.0	20	1	4.0			ELECTRIC WATER COOLER	0.3%	12	42
			PROJECT #BLDG 33-PHASE 2					PANEL TOTALS:	48	41	48						03/03/11			

	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	
LIGHTING AND OTHER CONTINUOUS LOAD:	3.7	125%	4.6	Excludes track and show window lighting.
TRACK LIGHTING:	0.0	N/A	0.0	Length of Track: 0 ft
SHOW WINDOWS:	0.0	N/A	0.0	Length of show window0 ft
RECEPTACLE LOAD:	10.5	98%	10.3	100% of the first 10 kVA, plus 50% over 10 kVA.
KITCHEN EQUIPMENT LOAD:	0.0	100%	0.0	Based on 0 pieces of equipment.
HEATING (COINCIDENTAL) LOAD:	0.0	100%	0.0	Includes space heat in excess of cooling and other electric heat.
HEATING OR OTHER NON-COINCIDENTAL LOAD:	0.0	0%	0.0	Smaller of heat or cooling when loads do not operate simultaneously.
MOTORS AND OTHER NON-CONTINUOUS OR MISCELLANEOUS LOAD:	2.2	100%	2.2	All other loads excluding maximum motor load.
LARGEST MOTOR LOAD:	0.0	125%	0.0	
TOTALS:	16.3	104%	17.0	MINIMUM FEEDER: 47-AMPS

PANEL '3'
208Y/120-VOLT, 3-PHASE, 4-WIRE
225-AMP, MAIN LUGS ONLY
MOUNTING: FLUSH
NOTES: COMMERCIAL BOLT-ON CIRCUIT BREAKER PANELBOARD.

CKT NO	WIRE SIZE	VOLT DROP	LOAD DESCRIPTION	REF NO	BRKR TYPE	LOAD AMPS	BREAKER P	BREAKER AMP	PHASE AMPS A	PHASE AMPS B	PHASE AMPS C	BREAKER AMP	BREAKER P	LOAD AMPS	BRKR TYPE	REF NO	LOAD DESCRIPTION	VOLT DROP	WIRE SIZE	CKT NO
1	12	0.9%	LTS-OFFICES, SCHEDULING, FILES			5.9	1	20	11.0			20	1	5.1			LTS-OFFICES, OPERATORS	0.4%	12	2
3	12	0.4%	LTS-CORRIDOR			3.4	1	20		3.4		20	1				SPARE			4
5			SPARE				1	20			0.0	20	1				SPARE			6
7			SPARE				1	20	0.0			20	1				SPARE			8
9	12	0.5%	REC-CENTRALIZED SCHEDULING			6.0	1	20		12.0		20	1	6.0			REC-OFFICE	0.6%	12	10
11	12	0.8%	REC-CENTRALIZED SCHEDULING			7.5	1	20			10.5	20	1	3.0			REC-OPERATORS	0.4%	12	12
13	12	1.1%	REC-CENTRALIZED SCH., OPERATORS			6.0	1	20	12.0			20	1	6.0			REC-OFFICE	0.7%	12	14
15	12	0.5%	REC-OFFICE			4.5	1	20		6.0		20	1	1.5			REC-ROOFTOP	0.2%	12	16
17	12	0.4%	REC-LOBBY, CORRIDOR			3.0	1	20			3.0	20	1				SPARE			18
19			SPARE				1	20	0.0			20	1				SPARE			20
21			SPARE				1	20		0.0		20	1				SPARE			22
23			SPARE				1	20			0.0	20	1				SPARE			24
25			SPARE				1	20	0.0			20	1				SPARE			26
27			SPARE				1	20		0.0		20	1				SPARE			28
29			SPARE				1	20			0.0	20	1				SPARE			30
31			SPARE				1	20	0.0			20	1				SPARE			32
33			SPARE				1	20		0.0		20	1				SPARE			34
35	12	0.0%	FAN COIL UNIT-FC-2		HACR	0.5	2	15			0.5	20	1				SPARE			36
37	12	0.0%	FAN COIL UNIT-FC-2		HACR	0.5	*	**	6.3			20	1	5.8			EXHAUST FAN EF-2	0.2%	12	38
39	12	1.3%	CONDENSING UNIT-CU-2		HACR	12.1	2	20		14.1		20	1	2.0			REC/LTS-ELEVATOR EQUIPMENT	0.2%	12	40
41	12	1.3%	CONDENSING UNIT-CU-2		HACR	12.1	*	**			17.1	20	1	5.0	LO		ELEVATOR CAB	0.4%	12	42
			PROJECT #BLDG 33-PHASE 2					PANEL TOTALS:	29	36	31						03/03/11			

	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	
LIGHTING AND OTHER CONTINUOUS LOAD:	2.4	125%	3.0	Excludes track and show window lighting.
TRACK LIGHTING:	0.0	N/A	0.0	Length of Track: 0 ft
SHOW WINDOWS:	0.0	N/A	0.0	Length of show window0 ft
RECEPTACLE LOAD:	5.2	100%	5.2	100% of the first 10 kVA, plus 50% over 10 kVA.
KITCHEN EQUIPMENT LOAD:	0.0	100%	0.0	Based on 0 pieces of equipment.
HEATING (COINCIDENTAL) LOAD:	0.0	100%	0.0	Includes space heat in excess of cooling and other electric heat.
HEATING OR OTHER NON-COINCIDENTAL LOAD:	0.0	0%	0.0	Smaller of heat or cooling when loads do not operate simultaneously.
MOTORS AND OTHER NON-CONTINUOUS OR MISCELLANEOUS LOAD:	1.0	100%	1.0	All other loads excluding maximum motor load.
LARGEST MOTOR LOAD:	2.9	125%	3.6	
TOTALS:	11.5	112%	12.8	MINIMUM FEEDER: 36-AMPS

BREAKER TYPE LEGEND:

GFCI. GROUND FAULT CIRCUIT INTERRUPTER TYPE BREAKER WITH 4 TO 6 MILLIAMP TRIP LEVEL.
GFPE. GROUND FAULT PROTECTION OF EQUIPMENT TYPE BREAKER WITH 30 MILLIAMP TRIP LEVEL.
HACR. HEATING, AIR CONDITIONING, REFRIGERATION TYPE BREAKER.
LO. LOCK ON BREAKER HANDLE DEVICE. PROVIDE RED COLORED HANDLE BREAKER.
ST. SHUNT TRIP BREAKER.
SWD. SWITCH RATED DUTY TYPE BREAKER.

Username: dpirc
Mar 08, 2011 – 10:58am
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95% SUBMISSION

REVISIONS | DATE

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DRAWING TITLE
PANEL
SCHEDULES

APPROVED: DIVISION CHIEF

APPROVED: SERVICE DIRECTOR

PROJECT TITLE
VAMC
RENOVATE
BUILDING 33

BUILDING NUMBER: 33
CHECKED: AKD
DRAWN: CRP
LOCATION: BOISE, IDAHO

DATE: 03/04/11
PROJECT NO.: 531-10-114
DRAWING NO.: E3.2

DEPARTMENT OF VETERANS AFFAIRS