

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	LIGHTING OUTLET - CEILING
	LIGHTING OUTLET - WALL
	LIGHTING OUTLET - RECESSED
	EXIT LIGHT - WITH DIRECTIONAL ARROW
	STRIP LIGHT
	LIGHT FIXTURE - SURFACE OR PENDANT
	LIGHT FIXTURE - RECESSED
	LIGHTING FIXTURE WITH BATTERY BACKUP
	JUNCTION BOX - WALL
	JUNCTION BOX - CEILING
	JUNCTION BOX - FLOOR
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE - SPLIT WIRED
	DUPLEX RECEPTACLE - FLUSH FLOOR
	DUPLEX RECEPTACLE - GFCI
	DOUBLE DUPLEX RECEPTACLE
	SPECIAL PURPOSE OUTLET o - INDICATES TYPE, SEE SPEC'S
	TELEPHONE OUTLET - WALL
	DATA OUTLET
	DATA OUTLET (2)
	DATA/PHONE OUTLET
	DATA OUTLET - FLUSH FLOOR
	SINGLE POLE SWITCH
	3 - THREE WAY
	P - WITH PILOT LIGHT
	TO - THERMAL OVERLOAD
	PUSHBUTTON SWITCH
	CIRCUIT RUN; CONCEALED IN CEILING OR WALL
	CIRCUIT RUN; UNDERFLOOR OR UNDERGROUND
	HOME RUN A - PANEL DESIGNATION 3 - CIRCUIT NUMBER
	CONDUIT TURNS DOWN
	ELECTRICAL PANEL
	MAIN DISTRIBUTION PANEL
	TRANSFORMER
	FUSIBLE DISCONNECT SWITCH
	MAGNETIC STARTER OR CONTACTOR
	COMBINATION STARTER
	MOTOR OUTLET AND CONNECTION
	FUSIBLE SWITCH - SCHEMATIC
	CIRCUIT BREAKER - SCHEMATIC
	ELECTRIC METER
	GROUND
	SPEAKER - RECESSED U.O.N.
	S - SURFACE W - WALL, +7 - 0" U.O.N.
	H - HORN TYPE, +8 - 0" U.O.N.
	F - FLUSH
	BELL
	TELEVISION OUTLET
	SMOKE DETECTOR - CEILING H - HEAT DETECTOR
	S - SMOKE W/SOUNDER
	BT - BEAM XMT
	BR - BEAM RCVR
	OCCUPANCY SENSOR
	FIXED CCTV CAMERA
	PAN/TILT/ZOOM CAMERA
	FIRE ALARM MANUAL STATION, +48" U.O.N.
	FIRE ALARM AUDIO/VISUAL HORN, +7- 6" U.O.N.
	FIRE ALARM STROBE, +7- 6" U.O.N.
	FIRE ALARM BELL
	MAGNETIC DOOR HOLDER
	FIRE ALARM MONITOR/RELAY MODULE
	FIRE ALARM CONTROL MODULE
	REMOTE INDICATING PILOT LIGHT/TEST SWITCH
	DUCT DETECTOR - SMOKE
	SPRINKLER SYS. TAMPER SW
	SPRINKLER SYS. FLOW SW
	NOTE SYMBOL
	SPECIAL EQUIPMENT SYMBOL
	MECHANICAL EQUIPMENT SYMBOL
	WP
	AC
	AFF
	UON
	EC
	MC
	e

				EXISTING PANEL 'F2'										NOTES:			
				MAIN : 225A MLO				PHASES: 3				*EXISTING CIRCUIT TO REMAIN.					
				VOLTS: 120/208				WIRE:				+NEW CIRCUIT, PROVIDE NEW BREAKER					
				AIC RATING: 22,000				LOCATION: 2nd FLOOR				-NEW CIRCUIT, REUSE EXISTING BREAKER.					
				MOUNTING: FLUSH				NEMA: 1									
CKT	LOAD DESCRIPTION	LOAD TYPE	LOAD	WIRE SIZE	BKRR AMP	POLE	A	B	C	POLE	BKRR AMP	WIRE SIZE	LOAD TYPE	LOAD DESCRIPTION	CKT		
1	*GENERAL RECEPTACLES	R	900	#12	20	1	1830				1	#12	930	L	-CATERING /JAIL LIGHTS	2	
3	-BANQUET HALL/STAGE LIGHTS	L	1054	#12	20	1		1935			1	#12	881	L	-OFFICE/BATHROOM LIGHTS	4	
5	+MICROWAVE	K	1400	#12	20	GFCI	2		1880	1	20	#12	480	M	-ENERGY RECOVERY VENT CONTROL	6	
7	+MICROWAVE	K	1400	#12	35	GFCI	2	4067			10	#10	2687	M	+ERV-ELECTRIC HEATER - 2	8	
9	+DISHWASHER	K	3480	#10	35	GFCI	3		6147		3	#10	2687	M	+ERV-ELECTRIC HEATER - 2	10	
11	+DISHWASHER	K	3480	#10	35	GFCI	3			6147	3	#10	2667	M	+ERV-ELECTRIC HEATER - 2	12	
13	+DISHWASHER	K	3480	#10	35	GFCI	3	4666			2	#12	1186	M	*FAN COILS 12-14, 16, BR. SEL. S-4	14	
15	MAX MACHINE	K	1012	#12	20	GFCI	1		2198		2	#12	1186	M	*FAN COILS 12-14, 16, BR. SEL. S-4	16	
17	+REFRIGERATOR	K	645	#12	30	GFCI	1			1418	2	#12	770	M	*FAN COILS 15, 17-19, BR. SEL-S-5	18	
19	+OVEN	K	3240	#8	40	GFCI	3	4010			2	#12	770	M	*FAN COILS 15, 17-19, BR. SEL-S-5	20	
21	+OVEN	K	2880	#8	40	GFCI	3		2984		2	#12	104	M	+FAN COIL 20, BR. SEL-6	22	
23	+OVEN	K	3240	#8	40	GFCI	3			3544	2	#12	104	M	+FAN COIL 20, BR. SEL-6	24	
25	+OVEN	K	3240	#8	40	GFCI	3	4176			2	#12	936	M	+ENERGY RECOVERY SUPPLY FAN	26	
27	+OVEN	K	2880	#8	40	GFCI	3		3816	3	20	#12	936	M	+ENERGY RECOVERY SUPPLY FAN	28	
29	+OVEN	K	3240	#8	40	GFCI	3		4176	3	20	#12	936	M	+ENERGY RECOVERY SUPPLY FAN	30	
31	+DRYER	M	2000	#10	30	GFCI	2	2936			3	#12	936	M	+ENERGY RECOVERY RETURN FAN	32	
33	+DRYER	M	2000	#10	30	GFCI	2		2936		3	#12	936	M	+ENERGY RECOVERY RETURN FAN	34	
35	-KITCHEN RCPT	K	1000	#12	20	1				1936	3	#12	936	M	+ENERGY RECOVERY RETURN FAN	36	
37	-KITCHEN RCPT	K	1000	#12	20	1	2000				1	#12	1000	M	-SOUND SYSTEM RCPT	38	
39	-KITCHEN RCPT	K	1000	#12	20	1		1360			1	#12	360	R	-STAGE RCPTS	40	
41	-KITCHEN HALL RCPT	R	1000	#12	20	1			1360		1	#12	360	R	-STAGE RCPTS	42	
43	-KITCHEN HALL RCPT	R	1000	#12	20	1	1900				1	#12	900	R	-BANQUET HALL RCPTS	44	
45	-KITCHEN HALL RCPT	R	1000	#12	20	1		1720			1	#12	720	R	-BANQUET HALL RCPTS	46	
47	-LOBBY RCPTS	R	540	#12	20	1			828	1	20	#12	288	R	-PROJECTOR SCREEN	48	
49	-OFFICE RCPTS	R	540	#12	20	1	1240				1	#12	700	R	-PROJECTOR	50	
51	-MEETING RCPTS	R	1080	#12	20	1		1080			1	#12			*SPARE	52	
53	-GREEN ROOM RCPTS	R	720	#12	20	1			720	1	20	#12			*SPARE	54	
55	+WATER COOLERS	M	1200	#12	20	GFCI	1	1200			1	20	#12		*SPARE	56	
57	+JANITOR CLOSET RCPT	R	180	#12	20	1		180			1	20	#12		*SPARE	58	
59	-BATHROOM RCPTS	R	360	#12	20	1			360	1	20	#12			*SPARE	60	
61	*SPARE			#12	20	1	0				1	20	#12		*SPARE	62	
63	*SPARE			#12	20	1	0	0			1	20	#12		*SPARE	64	
65	*SPARE			#12	20	1		0	0	1	20	#12			*SPARE	66	
67	*SPARE			#12	20	1		0			1	20	#12		*SPARE	68	
69	*SPARE			#12	20	1	0	0			1	20	#12		*SPARE	70	
71	*SPARE			#12	20	1		0	1	20	#12				*SPARE	72	
73	*SPARE			#12	20	1		0			1	20	#12		*SPARE	74	
75	*SPARE			#12	20	1		0		0	20	#12			*SPARE	76	
77	*SPARE			#12	20	1			0	1	20	#12			*SPARE	78	
79	*SPARE			#12	20	1	0	0			1	20	#12		*SPARE	80	
81	*SPARE			#12	20	1	0	0			1	20	#12		*SPARE	82	
83	*SPARE			#12	20	1					0	1	20	#12		*SPARE	84
LOAD				CONNECTED (VA)	DEMAND (VA)	28025		24356	22169	CONNECTED PHASE VA							
R=RECEPTACLE				10648	10324	234		203	185	CONNECTED PHASE AMPS							
L=LIGHTING				2865	3581					174							
M=MECHANICAL				24417	24417					MINIMUM FEEDER AMPACITY							
K=KITCHEN				36620	23803					TOTAL CONNECTED (VA)		74550					
LARGEST MOTOR				2808	702					TOTAL DEMAND (VA)		62827					