

REV	DESCRIPTION	DATE
3	RECORD DRAWINGS	9-19-07
2	REVISED	5-23-07
1	ISSUED FOR REVISION	3-5-07
0	ISSUED FOR CONSTRUCTION	12-20-06

GRAPHIC SCALE:
0" 1"

SCALE: AS NOTED
PROJECT MANAGER: DJT
JC/DRAWN BY: CDS
A/E OF RECORD: DJT
CAD FILE: EP601-06068
PROJECT NO: 06068
DATE: 12-20-06
SHEET TITLE:

DIRECTORY	kVA LOAD			CKT NO.	BKR AMPS	A	B	C	BKR AMPS	CKT NO.	kVA LOAD			DIRECTORY	
	A	B	C								A	B	C		
	2.5			1						2	2.5			CONDENSOR ACU-5	
CONDENSOR CU-2		2.5		3						4		2.5			
			2.5	5						6			2.5		
		2.5		7						8	2.5			CONDENSOR ACU-4	
CONDENSOR ACU-2			2.5	9						10		2.5			
				11						12			2.5		
		2.5		13						14				SPARE	
CONDENSOR ACU-3			2.5	15						16					
				17						18					
	.06			19						20	2.1			LTG RMS 002-010, 013, 014	
EXHAUST FAN EF-2 (3/4 HP)		.06		21						22		1.9		LTG RMS 012, 017-022	
			.06	23						24			1.9	GRND FLR NIGHT LIGHTS/ STAIR LTG	
				25						26	0.1			LTG ELEVATOR MACHINE RM	
ELEVATOR FEED (50 HP)		16.6		27						28		1.4		FIRST FLOOR CORE LTG	
			16.6	29						30			4.0	WALL HEATER SOUTH STAIR	
		25.0		31						32	2.0			CEILING HEATER WOMENS RM	
PANELBOARDED PPG VIA XFMR			25.0	33						34		2.0		CEILING HEATER MENS RM	
				35						36				SPARE	
	3.0			37						38	4.0			WALL HEATER CORRIDOR	
ACU-1			3.0	39						40				SPARE	
				41						42				SPARE	
SUB-TOTAL					NEUTRAL BUS			GROUND BUS			SUB-TOTAL				
VOLTAGE: 480Y/277V 3 PHASE 4 WIRE 400 AMP BUS					TOTAL kVA A			65.9			PANEL NO.				
MAIN LUGS ONLY					TOTAL kVA B			63.0			HPG SECTION 1				
MOUNTING: SURFACE					TOTAL kVA C			63.6			LOCATION				
SC RATING: 64,000 AIC					TOTAL kVA			192.5			MAIN ELECTRICAL RM				
NOTES: 1. PANELBOARD TO BE PROVIDED WITH FEED THROUGH LUGS.															

DIRECTORY	kVA LOAD			CKT NO.	BKR AMPS	A	B	C	BKR AMPS	CKT NO.	kVA LOAD			DIRECTORY	
	A	B	C								A	B	C		
				1						20				ELEVATOR SPLIT UNIT BASEMENT	
SPARE				3						50					
SPARE				20						4				ELEVATOR SUMP PUMP	
RECEPTS RMS 018-022			1.1	5						6			1.0	ELEVATOR PIT RECEP	
SEWAGE EJECTOR, PUMP 1				7						8	0.2			SPARE	
			1.1	9						10				ELEVATOR MACHINE RM RECEPTS	
				20						12			0.4	ELEVATOR CAB LTG	
LOWER LEVEL EXHAUST FANS				11						14	0.5			RECEPTS MAIN ELEC. RM	
LOWER LEVEL CORR. RECEPTS			1.5	13						16			0.6	HVAC-1	
BATHROOM/ JANITOR RECEPTS			0.8	15						18			1.5	HVAC-2	
RECEPTS MECHANICAL/ WATER RMS				17						20	1.5			HVAC-3	
FIRST FLOOR CORRIDOR RECEPTS			0.6	19						22			1.5	HVAC-4	
LCD TRACK LIGHTS			0.4	21						24			1.5	EXHAUST FAN EF-1 - EF-8	
FIRST FLOOR TOILET RECEPTS			0.6	23						26	0.7			SHUNT TRIP	
EXTERIOR RECEPTS COND. UNITS			0.4	25						28			1.0	DOOR HOLDS	
				27						30			1.0	SECURITY PANELS	
HVAC-5			1.5	29						32	1.0			CIRC PUMP - WATER ROOM	
ELEVATOR PIT LIGHT			0.2	31						34			1.1	SEWER EJECTOR PUMP 2	
FIRE ALARM CONTROL PANEL			1.0	29						36			1.0		
RECEPTS LOWER LEVEL & 1ST ELEC RM			0.8	33						38	1.1			WATER HEATER - WATER ROOM	
FIRST FLOOR TENANT AREA RECEPTS				35						40			1.0		
			0.8	35						42			1.0		
TRASH ELEVATOR				37											
TRASH ELEVATOR				39											
TRASH ELEVATOR				41											
SUB-TOTAL					NEUTRAL BUS			GROUND BUS			SUB-TOTAL				
VOLTAGE: 208Y/120V 3 PHASE 4 WIRE 225 AMP BUS					TOTAL kVA A			9.6			PANEL NO.				
MAIN LUGS ONLY					TOTAL kVA B			9.7			PPG				
MOUNTING: SURFACE					TOTAL kVA C			12.0			LOCATION				
SC RATING: 10,000 AIC					TOTAL kVA			31.3			MAIN ELECTRICAL RM				
NOTES:															

DIRECTORY	kVA LOAD			CKT NO.	BKR AMPS	A	B	C	BKR AMPS	CKT NO.	kVA LOAD			DIRECTORY	
	A	B	C								A	B	C		
	1.7			43						44	3.3			UNIT HEATERS STORAGE ROOM	
UNIT HEATER MECHANICAL RM		1.7		45						46		3.3			
			1.7	47						48			3.3		
	1.5			49						50	2.8			LTG TENANT SPACE 111	
UNIT HEATER TRASH ROOM		1.5		51						52		3.2		LTG TENANT SPACE 111	
			1.5	53						54			1.1	LTG TENANT SPACE 105	
	1.9			55						56	3.2			LTG TENANT SPACE 111	
CONDENSING UNIT CU-2			1.9	57						58		1.0		EXTERIOR LTG	
				59						60				SPACE	
SPACE				61						62				SPACE	
SPACE				63						64				SPACE	
SPACE				65						66				SPACE	
SPACE				67						68				SPACE	
SPACE				69						70				SPACE	
SPACE				71						72				SPACE	
SPACE				73						74				SPACE	
SPACE				75						76				SPACE	
SPACE				77						78				SPACE	
SPACE				79						80				SPACE	
SPACE				81						82				SPACE	
SPACE				83						84				SPACE	
SUB-TOTAL					NEUTRAL BUS			GROUND BUS			SUB-TOTAL				
VOLTAGE: 480Y/277V 3 PHASE 4 WIRE 400 AMP BUS					TOTAL kVA A			14.4			PANEL NO.				
MAIN LUGS ONLY					TOTAL kVA B			12.6			HPG SECTION 2				
MOUNTING: SURFACE					TOTAL kVA C			9.5			LOCATION				
SC RATING: 64,000 AIC					TOTAL kVA			36.5			MAIN ELECTRICAL RM				
NOTES:															

DIRECTORY	kVA LOAD			CKT NO.	BKR AMPS	A	B	C	BKR AMPS	CKT NO.	kVA LOAD			DIRECTORY	
	A	B	C								A	B	C		
	0.9			1						20	2	1.0		BREAK RM COUNTER RECEP	
RECEPTS LARGE CONFERENCE				3						20	4		1.0	BREAK RM COUNTER RECEP	
RECEPTS LG CONF. / OPEN OFFICE			0.9	5						20	6		1.0	BREAK RM DISHWASHER	
RECEPTS OPEN OFFICE				7						20	8	1.0		BREAK RM COUNTER RECEP	
RECEPTS CONF. RM			0.8	9						20	10		1.0	BREAK RM REFRIG. RECEP	
RECEPTS RECEPTION DESK			0.9	11						20	12		1.0	BREAK RM COUNTER RECEP	
RECEPTS RESTROOMS/ JANITOR			0.6	13						20	14	1.0		PROJECTOR / PROJECTOR SCREENS	
RECEPTS CONF. RM			0.8	15						20	16		0.9	CONFERENCE DOWNLIGHTS	
RECEPTS ELECTRICAL RM			0.4	17						20	18		1.0	BREAK RM REFRIG RECEP	
RECEPTS CONFERENCE RM			0.8	19						20	22		2.5	BREAK RM RANGE OUTLET	
RECEPTS CONFERENCE RM			0.6	21						50					
SPARE				23						20	24			SPARE	
SPARE				25						30	26		2.0	WATER HEATER	
SPARE				27						20	28		2.0		
SPARE				29						20	30			SPARE	
SPARE				31						20	32			SPARE	
BREAK RM RECEPTS			0.8	33						20	34			SPARE	
LG CONFERENCE RM RECEPTS			0.4	35						20	36			SPARE	
LG CONFERENCE RM RECEPTS			0.4	37						20	38			SPARE	
LG CONFERENCE RM RECEPTS			0.4	39						20	40			SPARE	
SPARE				41						20	42			SPARE	
SUB-TOTAL					NEUTRAL BUS			GROUND BUS			SUB-TOTAL				
VOLTAGE: 208/120V 3 PHASE 4 WIRE 225 AMP BUS					TOTAL kVA A			9.3			PANEL NO.				
MAIN LUGS ONLY					TOTAL kVA B			9.7			PP2 SECTION 1				
MOUNTING: SURFACE					TOTAL kVA C			5.6			LOCATION				
SC RATING: 10,000 AIC					TOTAL kVA			24.6			ELEC ROOM 204				
NOTES: 1. PANELBOARD TO BE PROVIDED W/FEED THROUGH LUGS.															

DIRECTORY	kVA LOAD			CKT NO.	BKR AMPS	A	B	C	BKR AMPS	CKT NO.	kVA LOAD			DIRECTORY
	A	B	C								A	B	C	
	23.9			1						20	2	3.0		LTG BREAK RM/ OPEN OFFICE
ROOF TOP UNIT RTU-2		23.9		3						20	4		3.2	LTG OPEN OFFICE
			23.9	5						20	6		2.7	LTG LG CONF RM
PANELBOARD PP2 VIA XFMR				7						20	8	1.4		NIGHT LIGHT/ EXITS
			15.0	9						20	10		1.9	LTG CORE RMS
				11						20	12			SPARE
				13						25	14	4.1		
SPARE				15						25	16		4.1	VAV-FP1
				17						20	18			
	4.3			19						20	20	4.1		VAV-FP2
VAV-FP7		4.3		21						25	22		4.1	VAV-FP2
			4.3	23						24			4.1	
				25						26	4.1			VAV-FP8
VAV-FP9			4.3	27						25	28		4.1	VAV-FP8
				29						30			4.1	
	2.2			31						20	32	3.4		VAV-4
VAV-FP5			2.2	33						20	34		3.4	VAV-4