

PANEL: CP VOLTAGE: 120/208V, 3P, 4W				MAIN MOUNTING SURFACE BUS 100A									
CIRCUIT USE	BREAKERS		LOAD (VA)			CKT#	LOAD (VA)			BREAKERS		CIRCUIT USE	
	TRIP	POLE	A	B	C		A	B	C	TRIP	POLE		
RM RECEPT	20	1	360			1	2				30	2	SPARE
RM RECEPT	20	1		360		3	4						
AUDIO/VISUAL CONS (KIOSK)	20	1			1200	5	6				30	2	SPARE
MONITOR, CPU (KIOSK)	20	1	1200			7	8						
SPARE	20	1				9	10				20	1	SPARE
SPARE	20	1				11	12				20	1	SPARE
RM LTG	20	1	120			13	14				20	1	SPARE
SPARE	20	1				15	16				20	1	SPARE
SPARE	20	1				17	18				20	1	SPARE
SPARE	20	1				19	20				20	1	SPARE
SPARE	20	1				21	22				20	1	SPARE
SPARE	20	1				23	24				20	1	SPARE
SPARE	20	1				25	26				20	1	SPARE
SPARE	20	1				27	28				20	1	SPARE
SPARE	20	1				29	30				20	1	SPARE
SPARE	20	1				31	32				20	1	SPARE
SPARE	20	1				33	34				20	1	SPARE
SPARE	20	1				35	36				20	1	SPARE
SPARE	20	1				37	38	660			20	1	EF-5, DAMPERS
SPARE	20	1				39	40		2185		35	2	AC-1
SPARE	20	1				41	42			2185			
TOTALS			1680	360	1200			660	2185	2185			
PHASE A:			2,340 VA										
PHASE B:			2,545 VA										
PHASE C:			3,385 VA										
TOTAL CONNECTED VA			8,270 VA										
AMPS			23 A CONNECTED										
1.25XAMPS			29 A										

- LOCKABLE BREAKER
- GFCI PROTECTION ARTICLE 680 OF CEC
- BREAKERS FEEDING MECHANICAL, PLUMBING AND MOTORS TO BE OF HACR TYPE
- GFCI RECEPTACLE

PANEL: LP-1 VOLTAGE: 120/208V, 3P, 4W				MAIN MOUNTING SURFACE BUS 100A									
CIRCUIT USE	BREAKERS		LOAD (VA)			CKT#	LOAD (VA)			BREAKERS		CIRCUIT USE	
	TRIP	POLE	A	B	C		A	B	C	TRIP	POLE		
ELEC, TOILET JAN CLR RM LTG	20	1	350			1	2				20	1	STATION LIGHTING
WEST STAIR LIGHTING	20	1		210		3	4			630			STATION LIGHTING
TOILET AND JAN CL. OUTLET	20	1			360	5	6				280		STATION LIGHTING
OUTDOOR OUTLET	20	1	180			7	8			540			ELECTRICAL ROOM OUTLETS
OUTDOOR LIGHTING	20	1				9	10				540		STATION OUTLETS
EAST STAIR LIGHTING	20	1			210	11	12				1200		VENING
ELEV/CTA SKU	20	1	900			13	14			1200			VENING
DAS	20	1		1200		15	16				540		KIOSK RECEPT
SPARE	20	1				17	18					CCO	KIOSK, EF-5, DAMPERS
SPARE	20	1				19	20			4150			STATION EXHAUST FAN EF-4
SPARE	20	1				21	22				4150		UPS ROOM EXHAUST FAN EF-9
SPARE	20	1				23	24						TOILET ROOM EXHAUST FAN EF-8
SPARE	20	1				25	26						JANITORS CLOSET EXHAUST FAN EF-5
SPARE	20	1				27	28			2810			CONDENSER CU-1
SPARE	20	1				29	30				2810		
SPARE	20	1				31	32			120			COMMUNICATION ROOM AC-1
SPARE	20	1				33	34				120		
ELEC, RM EXHAUST FAN EF-7	20	1			900	35	36						
STATION EXHAUST FAN EF-1	20	1	1200			37	38			120			UPS ROOM AC-2
STATION EXHAUST FAN EF-2	20	1		1200		39	40				120		KIOSK AC-2
STATION EXHAUST FAN EF-5	20	1			1200	41	42				120		
TOTALS			2830	2810	2670			6760	8910	5180			
PHASE A:			9,390 VA										
PHASE B:			11,520 VA										
PHASE C:			7,850 VA										
TOTAL CONNECTED VA			28,760 VA										
AMPS			80 A CONNECTED										
1.25XAMPS			100 A										

- LOCKABLE BREAKER
- GFCI PROTECTION ARTICLE 680 OF CEC
- BREAKERS FEEDING MECHANICAL, PLUMBING AND MOTORS TO BE OF HACR TYPE
- GFCI RECEPTACLE

PANEL: EM VOLTAGE: 120/208V, 3P, 4W				MAIN MOUNTING SURFACE BUS 100A									
CIRCUIT USE	FUSES		LOAD (VA)			CKT#	LOAD (VA)			FUSES		CIRCUIT USE	
	TRIP	POLE	A	B	C		A	B	C	TRIP	POLE		
KIOSK LIGHTING	20	1	140			1	2	210			20	1	ELEC, COMM & UPS ROOM LIGHTING
STATION LIGHTING	20	1		560		3	4		210				WEST STAIRS LIGHTING
STATION LIGHTING	20	1			490	5	6			140			EAST STAIRS LIGHTING
DOOR OPERATOR - DO	20	1	200			7	8	240					COMM & UPS ROOM RECEPTACLE
SPARE	20	1				9	10		750				ELEVATOR EQUIPMENT ROOM LIGHTING
SPARE	20	1				11	12			900			ELEVATOR SUMP PUMP
SPARE	20	1				13	14	400					ELEVATOR PIT ALARM
UPS ROOM RECEPT	20	1			200	15	16			560			ATM
FIRE ALARM PANEL	20	1			1500	17	18						SPARE
SPARE	20	1				19	20	450					SPARE
SPARE	20	1				21	22		450				SPARE
SPARE	20	1				23	24			600			SPARE
SPARE	20	1				25	26	6890			60	3	PANEL FCEP
SPARE	20	1				27	28		5090				
STATION HOUSE EXIT SIGN	20	1			60	29	30			4290			
TOTALS			340	780	2050			8190	7080	5930			
PHASE A:			8,530 VA										
PHASE B:			7,820 VA										
PHASE C:			7,980 VA										
TOTAL CONNECTED VA			24,330 VA										
AMPS			68 A CONNECTED										
1.25XAMPS			84 A										

- ALL BREAKERS TO BE OF LOCKABLE TYPE
- CONNECTED TO LIGHTING CONTACTOR, CONTROLLED BY PHOTOCELL
- ALL BREAKERS TO COMPLY WITH CEC FOR EM PANELS

PANEL: FCEP VOLTAGE: 120/208V, 3P, 4W				MAIN MOUNTING SURFACE BUS 100A									
CIRCUIT USE	BREAKERS		LOAD (VA)			CKT#	LOAD (VA)			BREAKERS		CIRCUIT USE	
	TRIP	POLE	A	B	C		A	B	C	TRIP	POLE		
RCP	15	1	250			1	2			360			KIOSK RECEPT
SPARE	20	1				3	4				360		KIOSK RECEPT
SPARE	20	1				5	6					500	TURNSYLE END CABINET
SPARE	20	1				7	8			500			TURNSYLE END CABINET
SPARE	20	1				9	10				500		TURNSYLE END CABINET
SPARE	20	1				11	12					500	TURNSYLE END CABINET
SPARE	20	1				13	14			500			TURNSYLE END CABINET
SPARE	20	1				15	16				1200		VENTRA
SPARE	20	1				17	18					1200	VENTRA
SPARE	20	1				19	20						SPARE
SPARE	20	1				21	22						SPARE
SPARE	20	1				23	24						SPARE
SPARE	20	1				25	26			100			KIOSK EXHAUST FAN E-8
SPARE	20	1				27	28						SPARE
SPARE	20	1				29	30						SPARE
SPARE	20	1				31	32						SPARE
SPARE	20	1				33	34						SPARE
SPARE	20	1				35	36						SPARE
SPARE	20	1				37	38						SPARE
SIC/PIU/CA- KIOSK	20	1			500	39	40						SPARE
SPARE	20	1				41	42						SPARE
TOTALS			250	500	0			1460	2060	2200			
PHASE A:			1,710 VA										
PHASE B:			2,660 VA										
PHASE C:			2,200 VA										
TOTAL CONNECTED VA			6,470 VA										
AMPS			18 A CONNECTED										
1.25XAMPS			22 A										

- LOCKABLE BREAKER
- GFCI PROTECTION ARTICLE 680 OF CEC
- BREAKERS FEEDING MECHANICAL, PLUMBING AND MOTORS TO BE OF HACR TYPE
- GFCI RECEPTACLE

PANEL: HP-1 VOLTAGE: 120/208V, 3P, 4W				MAIN MOUNTING SURFACE BUS 100A										
CIRCUIT USE	BREAKERS		LOAD (VA)			CKT#	LOAD (VA)			BREAKERS		CIRCUIT USE		
	TRIP	POLE	A	B	C		A	B	C	TRIP	POLE			
PLATFORM HEATER	40	3	3200			1	2	3200			40	3	PLATFORM HEATER	
				3200		3	4		3200					
STATION ENTRY HEATERS	40	3	3200		3200	5	6			3200				
						7	8	1600			20	1	HEAT TRACE #1	
				3200		9	10		1600		20	1	HEAT TRACE #2	
STATION ENTRY HEATERS	40	3	3200		3200	11	12			1600		20	1	HEAT TRACE #3
						13	14	1500			20	2	KIOSK HEATER H-3	
				3200		15	16		1500					
WATER HEATER WH	50	2	4150			17	18				20	1	SPARE	
				4150		19	20				20	1	SPARE	
						21	22				20	1	SPARE	
HEAT TRACE #4	20	1			1600	23	24			1500		20	2	JANITORS CLOSET HEATER H-1
HEAT TRACE #5	20	1	1600			25	26	1500						
HEAT TRACE #6	20	1		1600		27	28		1500			20	2	TOILET ROOM HEATER H-1
HEAT TRACE #7	20	1			1600	29	30			1500				
SPARE	20	1				31	32	1500			20	2	UPS ROOM HEATER H-1	
SPARE	20	1				33	34		1500					
SPARE	20	1				35	36			1500		20	2	COMMUNICATION ROOM HEATER H-1
ELECTRICAL ROOM HEATER-4	20	3	1667			37	38	1500						
				1667		39	40							
					1667	41	42							
TOTALS			17017	17017	14467			10800	9300	9300				
PHASE A:			27,817 VA											
PHASE B:			26,317 VA											