

PANEL DESIGNATION: EM-EQ-L	LOCATION: ADMIN OFFICE ELECTRICAL ROOM					REMARKS: * FURNISH AND INSTALL GFCI TYPE CIRCUIT BREAKER			
	SERVICE:	208Y/120 V	3 PHASE, 4 WIRE						
	MAIN BUS RATING:	225 AMPS							
	MAIN CIRCUIT BREAKER:	150 AMPS							
	SCC RATING (SYM.):	10 k A.I.C.							
		MOUNTING:		SURFACE MOUNTED		NEUTRAL BUS: 100% GROUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
ELEVATOR CAB LIGHTING		20A	1	2000			2	20A	IT ROOM RECEPTACLES
ELEVATOR MACHINERY SPACE RECEPT		20A	3		1680		4	20A	IT ROOM RECEPTACLES
ELEVATOR MACHINERY SPACE LIGHTS		20A	5			1700	6	20A	IT ROOM RECEPTACLES
ELEVATOR HOISTWAY RECEPT		20A	7	180			8	20A	SPARE
ELEVATOR HOISTWAY LIGHTS		20A	9		200		10	20A	SPARE
EMERGENCY ROOM EXHAUST 'EF-6'		20A	11			1028	12	20A	UNIT HEATER 'UH-1'
SPARE		20A	13	528			14	20A	UNIT HEATER 'UH-2'
LOADING DOCK DOOR T41		35A	15		2688		16	35A	LOADING DOCK DOOR T40
LOADING DOCK DOOR T39		35A	17			2688	18	35A	LOADING DOCK DOOR T38
LOADING DOCK DOOR T37		35A	19	2688			20	35A	LOADING DOCK DOOR T36
LOADING DOCK DOOR T35		35A	21		2688		22	35A	LOADING DOCK DOOR T34
LOADING DOCK DOOR T33		35A	23			2688	24	35A	LOADING DOCK DOOR T32
LOADING DOCK DOOR T31		35A	25	1344			26	20A	SPARE
SPARE		20A	27		0		28	20A	SPARE
SPARE		20A	29			0	30	20A	SPARE
SPARE		20A	31	0			32	20A	SPARE
SPARE		20A	33		0		34	20A	SPARE
SPARE		20A	35			0	36	20A	SPARE
SPARE		20A	37	0			38	20A	SPARE
SPARE		20A	39		0		40	20A	SPARE
SPARE		20A	41			0	42	20A	SPARE
TOTAL CONNECTED LOAD PER PHASE (KVA)				6.74	7.26	8.10			
TOTAL CONNECTED LOAD				22.10 KVA			61.3 A		
TOTAL DEMAND LOAD				23.58 KVA			65.4 A		

PANEL DESIGNATION: EM-ASRS-H	LOCATION: EMERGENCY ELECTRICAL ROOM					REMARKS:			
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE						
	MAIN BUS RATING:	400 AMPS							
	MAIN CIRCUIT BREAKER:	400 AMPS							
	SCC RATING (SYM.):	65 k A.I.C.							
		MOUNTING:		SURFACE MOUNTED					
						NEUTRAL BUS:	100%		
						GROUNDING:	EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO		
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
SRM#1	200A	1	47112				2	20A	SPARE
		3		47112			4	20A	SPARE
		5				47112	6	20A	SPARE
SPARE	20A	7	0				8	20A	SPARE
SPARE	20A	9		0			10	20A	SPARE
SPARE	20A	11				0	12	20A	SPARE
SPARE	20A	13	0				14	20A	SPARE
SPARE	20A	15		0			16	20A	SPARE
SPARE	20A	17			0	18	20A	SPARE	
SPACE & PROVISIONS	-	19	0				20	-	SPACE & PROVISIONS
SPACE & PROVISIONS	-	21			0		22	-	SPACE & PROVISIONS
SPACE & PROVISIONS	-	23				0	24	-	SPACE & PROVISIONS
SPACE & PROVISIONS	-	25	0				26	-	SPACE & PROVISIONS
SPACE & PROVISIONS	-	27		0			28	-	SPACE & PROVISIONS
SPACE & PROVISIONS	-	29				0	30	-	SPACE & PROVISIONS
TOTAL CONNECTED LOAD PER PHASE (KVA)			47.11	47.11	47.11				
TOTAL CONNECTED LOAD			141.34 KVA			170.0 A			
TOTAL DEMAND LOAD			176.67 KVA			212.5 A			

PANEL DESIGNATION: EM-QC-10	LOCATION: 10 DUNNIGAN ELECTRICAL ROOM					REMARKS:				
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE							
	MAIN BUS RATING: 400 AMPS									
	MAIN CIRCUIT BREAKER: 400 AMPS									
	SCC RATING (SYM.): 14 k A.I.C.									
		MOUNTING:		SURFACE MOUNTED		NEUTRAL BUS: 100% GROUNDING		EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO		
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
QUICK CHARGER #1		60A	1	23833				2	60A	QUICK CHARGER #2
			3		23833			4		
			5			23833	6			
QUICK CHARGER #3		60A	7	23833				8	60A	QUICK CHARGER #4
			9		23833			10		
			11			23833	12			
QUICK CHARGER #5		60A	13	23833				14	60A	QUICK CHARGER #6
			15		23833			16		
			17			23833	18			
QUICK CHARGER #7		60A	19	23833				20	60A	QUICK CHARGER #8
			21		23833			22		
			23			23833	24			
QUICK CHARGER #9		60A	25	23833				26	60A	QUICK CHARGER #10
			27		23833			28		
			29			23833	30			
QUICK CHARGER #11		60A	31	11917				32	20A	SPARE
			33		11917			34		
			35			11917	36			
SPARE		20A	37	0				38	20A	SPARE
SPARE		20A	39		0			40	20A	SPARE
SPARE		20A	41			0		42	20A	SPARE
TOTAL CONNECTED LOAD PER PHASE (KVA)			131.08	131.08	131.08					
TOTAL CONNECTED LOAD				393.24 KVA		473.0 A				
TOTAL DEMAND LOAD				196.62 KVA		236.5 A				

NOTE: ONLY 50% OF THE QUICK CHARGERS SHALL BE UTILIZED AT ANY GIVEN TIME.

PANEL DESIGNATION: PP-M	LOCATION: AS/RS ELECTRICAL ROOM					REMARKS:				
	SERVICE:	3 PHASE, 4 WIRE								
	MAIN BUS RATING:	225 AMPS								
	MAIN LUGS ONLY:	150 AMPS								
	SCC RATING (SYM.):	35 k A.I.C.								
		MOUNTING:		SURFACE MOUNTED		GROUNDING:				
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
THERMOCYCLER 'TRG-4'		15A	1	4212				2	15A	THERMOCYCLER 'TRG-3'
			3		4212			4		
			5				4212	6		
			7	2688				8		
THERMOCYCLER 'TM-2'		15A	9		2688			10	15A	THERMOCYCLER 'TRA-3'
			11			2688	12			
			13	0			14	20A		
			15		0		16	20A		
SPARE		20A	17			0	18	20A	SPARE	
SPARE		20A	19	0			20	20A	SPARE	
SPARE		20A	21		0		22	20A	SPARE	
SPARE		20A	23			0	24	20A	SPARE	
ASRS SOUTHLIGHTING		20A	25	1988			26	20A	ASRS SOUTHLIGHTING	
ASRS SOUTHLIGHTING		20A	27		920		28	20A	SPARE	
SPARE		20A	29			0	30	20A	SPARE	
ASRS SOUTHLIGHTING		20A	31	1975			32	20A	ASRS SOUTHLIGHTING	
ASRS SOUTHLIGHTING		20A	33		1973		34	20A	CANOPY LIGHTING	
CANOPY LIGHTING		20A	35			1404	36	20A	CANOPY LIGHTING	
CANOPY LIGHTING		20A	37	518			38	20A	JANITOR'S CLOSET 120 AND TOILET 121 LIGHTING	
NEW BUILDING ELECTRIC ROOM LIGHTING		20A	39		120		40	20A	AIR COMPRESSION AND FIRE PUMP LIGHTING	
SPARE		20A	41			0	42	20A	SPARE	
SPARE		20A	43	468			44	20A	CANOPY LIGHTING	
ASRS SOUTHLIGHTING		20A	45		1388		46	20A	CANOPY LIGHTING	
ASRS SOUTHLIGHTING		20A	47			920	48	20A	SPARE	
SPARE		20A	49	0			50	20A	SPARE	
SPARE		20A	51		0		52	20A	SPARE	
SPARE		20A	53			0	54	20A	SPARE	
TOTAL CONNECTED LOAD PER PHASE (KVA)			11.85	11.30	9.22					
TOTAL CONNECTED LOAD			32.38 KVA				38.9 A			
TOTAL DEMAND LOAD			35.29 KVA				42.5 A			

PANEL DESIGNATION: LP-ASRS	LOCATION: AS/RS ELECTRICAL ROOM					REMARKS: * FURNISH AND INSTALL GFCI TYPE CIRCUIT BREAKER			
	SERVICE: 208Y/120 V		3 PHASE, 4 WIRE						
	MAIN BUS RATING: 225 AMPS								
	MAIN CIRCUIT BREAKER: 150 AMPS								
	SCC RATING (SYM.): 10 k A.I.C.								
		MOUNTING:		SURFACE MOUNTED		NEUTRAL BUS: 100% GROUNDING			
						EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
AAP #1		20A	1	1200			2	20A	PLC #1
AAP #2		20A	3		1200		4	20A	PLC #2
AAP #3		20A	5			1200	6	20A	PLC #3
PROFILE CHECK #1		20A	7	1200			8	20A	NETWORK PANEL
PROFILE CHECK #2		20A	9		1200		10	20A	PRINT AND APPLY #1
PROFILE CHECK #3		20A	11			1200	12	20A	PRINT AND APPLY #2
OVERHEAD MONITOR #1		20A	13	1200			14	20A	PRINT AND APPLY #3
OVERHEAD MONITOR #2		20A	15		1200		16	20A	PRINT AND APPLY #4
OVERHEAD MONITOR #3		20A	17			2040	18	20A	AS/RS MAINTENANCE RECEPTACLES
EXHAUST FAN 'EF-3' & 'EF-4'		20A	19	1273			20	20A	AS/RS MAINTENANCE RECEPTACLES
SPARE		20A	21		540		22	20A	ELECT. & MECH. ROOM RECEPTACLES
SPARE		20A	23			900	24	20A	RESTROOM RECEPTACLES
SPARE		20A	25	1500			26	20A	HAND DRYER
LOADING DOCK DOOR T61		20A	27		1944		28	20A	* WATER FOUNTAIN
LOADING DOCK DOOR T62		20A	29			2023	30	20A	TWO (2) ELECTRIC COVE HEATERS 'ECHA'
LOADING DOCK DOOR T63		20A	31	2023			32	20A	
LOADING DOCK DOOR T64		20A	33		2023		34	20A	TWO (2) ELECTRIC COVE HEATERS 'ECHA'
SPARE		20A	35			679	36	20A	
SPARE		20A	37	1500			38	20A	HAND DRYER
SPARE		20A	39		1500		40	20A	HAND DRYER
SPARE		20A	41			1500	42	20A	HAND DRYER
TOTAL CONNECTED LOAD PER PHASE (KVA)				9.90	9.61	9.54			
TOTAL CONNECTED LOAD				29.04 KVA			80.6 A		
TOTAL DEMAND LOAD				27.97 KVA			77.6 A		