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PROJECT # 2017-110  
DATE: 06/16/2021  
REVISIONS PERMIT SET

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ELECTRICAL PANEL &  
EQUIPMENT SCHEDULES

MFA PANEL SCHEDULE													
panel		mounting		location		connected load amps							
2MN		SURFACE		2ND FLR - SOUTH									
voltage		phase		bus & main		calculated load amps							
120/208V		3		250A SCOR-42K MLO		161							
service		va	a/p	no.	a b c	no.	a/p	va	service				
C													C
3	IHP/OHP - 5 (OFFICE)	1250	30/2	1	*	2	20/1	500	EF-3 EXHAUST FAN (BIKE RM)		6		6
3	*	1250	*	3	*	4	30/2	1250	IAC/OAC-1 (ELEV. MACH. RM)		6		6
6	AUTO DOORS (N LOBBY)	1500	20/1	5	*	6	*	1250	*		6		6
6	PRKG GARAGE GATE CONTROL	1500	20/1	7	*	8	80/2	7500	FC-1		6		6
6	EF-7	1176	20/1	9	*	10	*	7500	*		6		6
6	EF-8	1176	20/1	11	*	12	40/2	2870	HP-1		6		6
6	EF-9	1176	20/1	13	*	14	*	2870	*		6		6
6	EF-10	1176	20/1	15	*	16	30/2	1250	IHP/OHP-6 (ROOF ELEV LOBBY)		6		6
6	EF-11	1176	20/1	17	*	18	*	1250	*		6		6
6	EF-12	1176	20/1	19	*	20	20/1	0	SPARE				
6	EF-13	1176	20/1	21	*	22	20/1	0	SPARE				
6	EF-14	1176	20/1	23	*	24	20/1	0	SPARE				
6	EF-15	1176	20/1	25	*	26	20/1	0	SPARE				
	SPARE	0	20/1	27	*	28	20/2	1500	EH-3 (TEMP - LEASE A)		3		3
	SPARE	0	20/1	29	*	30	*	1500	*		3		3
3	EH-3 (VESTIBULE)	1500	20/2	31	*	32	20/2	1500	EH-3 (TEMP - LEASE A)		3		3
3	*	1500	*	33	*	34	*	1500	*		3		3
3	EH-4 (RISER)	500	20/1	35	*	36	20/2	1500	EH-3 (TEMP - LEASE B)		3		3
	SPARE	0	20/1	37	*	38	*	1500	*		3		3
	SPARE	0	20/1	39	*	40	20/2	1500	EH-3 (TEMP - LEASE B)		3		3
	SPARE	0	20/1	41	*	42	*	1500	*		3		3
Phase A		21648 VA		NOTES:		line-line voltage							
Phase B		20778 VA											
Phase C		15398 VA											
Total Connected		57824 VA											
load code:		ph. A	ph. B	ph. C	total	factor	calculated load (va)						
1. LIGHTS=		0	0	0	0 VA	0	1.25						0
2. RECEPT=		0	0	0	0 VA	0	1 + 0.5						0
3. HEATING=		5750	7250		5000 VA	18000	1.00						18000
4. KITCHEN=		0	0	0	0 VA	0	1.00						0
5. EQUIP.=		0	0	0	0 VA	0	1.00						0
6. MOTORS=		15898	13528		10398 VA	39824	*						39824
7. MISC=		0	0	0	0 VA	0	1.00						0
(* 125% of the largest motor + 100% of the balance)						TOTAL =		57824					

MFA PANEL SCHEDULE													
panel		mounting		location		connected load amps							
2HN		SURFACE		3RD FLR - NORTH									
voltage		phase		bus & main		calculated load amps							
120/208V		3		200A SCOR-42K MLO		116							
C	service	va	a/p	no.	a b c	no.	a/p	va	service	113			
5	PACKAGE LOCKER SYSTEM	1500	20/1	1	*	2	20/1	1080	RECEPT - 1ST FLR LOBBY	2			
5	MAIL ROOM CAMERA	500	20/1	3	*	4	20/1	1080	RECEPT - 1ST FLR LOBBY	2			
5	BUILDING SIGNS	1500	20/1	5	*	6	20/1	1080	RECEPT - 1ST FLR LOBBY	2			
5	AUDIO SYSTEM	1500	20/1	7	*	8	20/1	1080	RECEPT - 1ST FLR OFFICE	2			
5	DRINK FOUNTAIN (BIKE ROOM)	1500	20/1	9	*	10	20/1	1080	RECEPT - 1ST FLR OFFICE	2			
1	LIGHTS - FLOOR 1	1500	20/1	11	*	12	20/1	1080	RECEPT - 1ST FLR	2			
1	LIGHTS - FLOOR 1	1500	20/1	13	*	14	20/1	360	RECEPT - ELEV MACH RM	2			
1	LIGHTS - FLOOR 1	1500	20/1	15	*	16	20/1	900	RECEPT - CORRIDOR FLR 3	2			
1	LIGHTS - FLOOR 2	1500	20/1	17	*	18	20/1	900	RECEPT - CORRIDOR FLR 4	2			
1	LIGHTS - FLOOR 3	1500	20/1	19	*	20	20/1	900	RECEPT - CORRIDOR FLR 5	2			
1	LIGHTS - FLOOR 4	1500	20/1	21	*	22	20/1	900	RECEPT - CORRIDOR FLR 5	2			
	SPARE	0	20/1	23	*	24	20/1	900	RECEPT - CORRIDOR FLR 6	2			
	SPARE	0	20/1	25	*	26	20/1	900	RECEPT - CORRIDOR FLR 6	2			
	SPARE	0	20/1	27	*	28	20/1	1260	RECEPT - ROOF GFCI	2			
	SPARE	0	20/1	29	*	30	20/1	0	SPARE				
	SPARE	0	20/1	31	*	32	20/1	0	SPARE				
	SPARE	0	20/1	33	*	34	20/1	0	SPARE				
	SPARE	0	20/1	35	*	36	20/1	0	SPARE				
7	PANEL 2C1	3760	100/3	37	*	38	20/1	1080	RECEPT-TEMP (LEASE A)	2			
7	*	3760	*	39	*	40	20/1	1080	RECEPT-TEMP (LEASE B)	2			
7	*	2000	*	41	*	42	20/1	1080	RECEPT-TEMP (LEASE C)	2			
Phase A		15160 VA		NOTES:		line-line voltage							
Phase B		15060 VA											
Phase C		11540 VA											
Total Connected		41760 VA						largest motor (va)					
								0					
load code:		ph. A	ph. B	ph. C		total	factor	calculated load (va)					
1. LIGHTS=		3000	3000	3000 VA		9000	1.25	11250					
2. RECEPT=		5400	6300	5040 VA		16740	1 + 0.5	13770					
3. HEATING=		0	0	0 VA		0	1.00	0					
4. KITCHEN=		0	0	0 VA		0	1.00	0					
5. EQUIP.=		3000	2000	1500 VA		6500	1.00	6500					
6. MOTORS=		0	0	0 VA		0	*	0					
7. MISC=		3760	3760	2000 VA		9520	1.00	9520					
(* 125% of the largest motor + 100% of the balance)						TOTAL =		40640					

MFA PANEL SCHEDULE													
panel		mounting		location		connected load amps							
2MS		SURFACE		2ND FLR - SOUTH									
voltage		phase		bus & main		calculated load amps							
120/208V		3		250A SCOR-42K MLO		155							
service		va	a/p	no.	a b c	no.	a/p	va	service				
C													C
3	EH-2 (BASEMENT)	1000	20/1	1	*	2	20/1	500	TRASH COMP #1 CONTROLS		5		5
3	IHP/OHP-4 (RM 292)	1250	30/2	3	*	4	20/1	500	TRASH COMP #2 CONTROLS		5		5
3	*	1250	*	5	*	6	20/1	1500	TRASH ROOM OH DOOR		6		6
3	EH-2 (1ST FLR STAIR #2)	1000	20/1	7	*	8	20/1	1500	AUTO DOOR (SE LOBBY)		6		6
3	EH-2 (SE ENTRY VESIBULE)	1000	20/1	9	*	10	35/2	3750	EH-5 (TRASH ROOM)		3		3
3	EH-4 (RISER RM-SOUTH)	500	20/1	11	*	12	*	3750	*		3		3
3	EH-1 (BIKE RM #003)	1500	20/1	13	*	14	20/1	1176	EF-5		6		6
6	IAC/OAC-1 (WATER RM)	1250	30/2	15	*	16	20/1	1176	EF-6		6		6
6		1250	*	17	*	18	70/3	6912	BP-1		6		6
3	WH-1 & WH-2 (GAS)	500	20/1	19	*	20	*	6912	*		6		6
3	WH-3 & WH-4 (GAS)	500	20/1	21	*	22	*	6912	*		6		6
6	RP-1	1176	20/1	23	*	24	30/2	1250	IAC/OAC-3 (MAINTENANCE RM)		6		6
6	RP-2	1176	20/1	25	*	26	*	1250	*		6		6
5	CAR PARK CONTROLLER	1500	20/1	27	*	28	20/3	828	GEF-1		6		6</