



EXPIRES: July 5th, 2020

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PROJECT # 2017-053

DATE: 11/06/2019

REVISIONS

PLAN REVIEW 01.24.2020

PLAN REVIEW 03.13.2020

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E1.13

MFA PANEL SCHEDULE											
panel			mounting SURFACE			location BLDG 'A'			connected load amps		
E1			2nd Flr Rm 294			52					
voltage			phase			bus & main			calculated load amps		
120/208V			3			100A SCCR: 22K MLO			55		
service	va	a/p	no.	a b c	no.	a/p	va	service	va	a/p	no.
SPARE	2001	1	*		2	20/1	1500	SMOKE DAMPERS - FLR 1	5		
1 LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	1500	SMOKE DAMPERS - FLR 2&3	5		
1 LIGHTS - FLR 1 EGRESS	542	20/1	5	*	6	20/1	1500	SMOKE DAMPERS - FLR 4&5	5		
5 AREA OF REFUGE PANEL	500	20/1	7	*	8	20/1	1500	ELEVATOR PIT - LTS & PLUGS	2		
1 LIGHTS - STAIR 1	266	20/1	9	*	10	20/1	1500	ELEVATOR CAD LIGHTS	1		
1 LIGHTS - STAIR 2	266	20/1	11	*	12	20/1	1500	ELEVATOR CONTROLLER (OPT)	5		
1 LIGHTS - FLR 2 & 3 EGRESS	282	20/1	13	*	14	20/1	0	SPARE			
1 LIGHTS - FLR 4, 5 & 6 EGRESS	1500	20/1	15	*	16	20/1	1178	SP-1 (ELEVATOR PIT)	6		
1 LIGHTS - TERRACE	500	20/1	17	*	18	20/1	1500	ELEVATOR SMOKE CURTAINS	5		
5 FACP	500	20/1	19	*	20	20/1	500	EMERGENCY GAS SHUT OFF	5		
SPARE	0	20/1	21	*	22	20/1	500	EMERGENCY GAS SHUT OFF	5		
5 GENERATOR ANNUNCIATOR	500	20/1	23	*	24	20/1	500	RECEPT - ELEV MACH RM	2		
BLANK					25	*	26	BLANK			
BLANK					27	*	28	BLANK			
BLANK					29	*	30	BLANK			
BLANK					31	*	32	BLANK			
BLANK					33	*	34	BLANK			
BLANK					35	*	36	BLANK			
BLANK					37	*	38	BLANK			
BLANK					39	*	40	BLANK			
BLANK					41	*	42	BLANK			
Phase A	4782 VA							line-line voltage	208		
Phase B	6942 VA							largest motor (va)	0		
Phase C	6808 VA										
Total Connected	18532 VA										
load code:	ph. A	ph. B	ph. C	total	factor			calculated load (va)	6695		
1. LIGHTS=	282	3786	1308	VA	5556	1.25			2000		
2. RECEPT=	1500	0	500	VA	2000	1 + 0.5			0		
3. HEATING=	0	0	0	VA	0	1.00			0		
4. KITCHEN=	0	0	0	VA	0	1.00			0		
5. EQUIP=	3000	2000	5000	VA	10000	1.00			10000		
6. MOTORS=	0	1176	0	VA	1176	*			1176		
7. MISC=	0	0	0	VA	0	1.00			0		
(* 125% of the largest motor + 100% of the balance)									TOTAL =	19871	

MFA PANEL SCHEDULE											
panel			mounting SURFACE			location BLDG 'A'			connected load amps		
H1			2nd Flr Rm 294			160					
voltage			phase			bus & main			calculated load amps		
120/208V			3			250A SCCR: 22K MLO			155		
service	va	a/p	no.	a b c	no.	a/p	va	service	va	a/p	no.
1 LIGHTS - SITE/PARKING	500	20/1	1	*	2	20/1	1080	RECEPT - FLR 1	2		
1 LIGHTS - BLDG EXTERIOR	500	20/1	3	*	4	20/1	900	RECEPT - FLR 1	2		
1 LIGHTS - FLR 1 (LOBBY DECOR)	814	20/1	5	*	6	20/1	1080	RECEPT - FLR 1 (E. LOBBY)	2		
1 LIGHTS - FLR 1 (LOBBY & CORRID)	407	20/1	7	*	8	20/1	1500	RECEPT - FLR 1 (PKG SYSTEM)	2		
1 LIGHTS - FLR 1 (BOH)	464	20/1	9	*	10	20/1	1500	AUTO DOORS	2		
5 BUILDING SIGNS	1500	20/1	11	*	12	20/1	1440	RECEPT - FLR 1	2		
1 LIGHTS - FLR 2 & 3 (BOH)	566	20/1	13	*	14	20/1	1500	OH DOOR - TRASH ROOM	5		
5 UNIT ENTRY SYSTEM	1500	20/1	15	*	16	20/1	720	RECEPT - FLR 1 (W. LOBBY)	2		
1 LIGHTS - PLAZA	1500	20/1	17	*	18	20/1	500	PHONE BOARD	5		
SPARE	0	20/1	19	*	20	20/1	500	COMMUNICATIONS BOARD	5		
2 RECEPT - FLR 2	1080	20/1	21	*	22	20/1	1500	ACCESS CONTROL SYSTEM	5		
2 RECEPT - FLR 3	1080	20/1	23	*	24	20/1	500	EH-2 (N. STAIR)	3		
2 RECEPT - MAINT. RM	1500	20/1	25	*	26	20/1	500	EH-4 (RISER RM)	3		
2 SECURITY SYSTEM	1500	20/1	27	*	28	20/1	500	EH-2 (S. STAIR)	3		
5 DAS SYSTEM	1500	20/1	29	*	30	20/1	500	EH-2 (E. VESTIBULE)	3		
2 LEASE D&E (TEMP LTS & PLUGS)	1500	20/1	31	*	32	20/1	500	EH-2 (W. VESTIBULE)	3		
2 LEASE B&C (TEMP LTS & PLUGS)	1500	20/1	33	*	34	20/1	228	LIGHTS - FLR 2 & 3 (CORRIDOR)	1		
2 LEASE A (TEMP LTS & PLUGS)	1500	20/1	35	*	36	20/1	0	SPARE			
7 PANEL H2	8320	150/3	37	*	38	20/1	0	SPARE			
7 *	8054	*	39	*	40	20/1	0	SPARE			
7 *	7378	*	41	*	42	20/1	0	SPARE			
Phase A	18373 VA							line-line voltage	208		
Phase B	19946 VA							largest motor (va)	0		
Phase C	19282 VA										
Total Connected	57611 VA										
load code:	ph. A	ph. B	ph. C	total	factor			calculated load (va)	6224		
1. LIGHTS=	1473	1192	2314	VA	4978	1.25			13190		
2. RECEPT=	5580	5700	5100	VA	16380	1 + 0.5			2500		
3. HEATING=	1000	500	1000	VA	2500	1.00			0		
4. KITCHEN=	0	0	0	VA	0	1.00			10000		
5. EQUIP=	2000	4500	3500	VA	10000	1.00			0		
6. MOTORS=	0	0	0	VA	0	*			23752		
7. MISC=	8320	8054	7378	VA	23752	1.00			55666		
(* 125% of the largest motor + 100% of the balance)									TOTAL =	55666	

MFA PANEL SCHEDULE											
panel			mounting SURFACE			location BLDG 'A'			connected load amps		
M1			2nd Flr Rm 292			174					
voltage			phase			bus & main			calculated load amps		
120/208V			3			250A (SCCR: 22K) MLO			174		
service	va	a/p	no.	a b c	no.	a/p	va	service	va	a/p	no.
6 TRASH COMPACTOR	2100	40/3	1	*	2	50/3	3864	BP-1	6		
6 *	2100	*	3	*	4	*	3864	*	6		
6 *	2100	*	5	*	6	*	3864	*	6		
6 TRASH COOMPACTOR	2100	40/3	7	*	8	20/3	1356	FC-1	6		
6 *	2100	*	9	*	10	*	1356	*	6		
6 *	2100	*	11	*	12	*	1356	*	6		
3 WH-1,2 (GAS)	600	20/1	13	*	14	20/2	1500	EH-5 (TRASH RM)	3		
6 RP-1	1176	20/1	15	*	16	*	1500	*	3		
SPARE	0	20/1	17	*	18	20/2	1500	EH-5 (BIKE RM)	3		
3 EH-3 (TEMP)	1500	20/2	19	*	20	*	20	30/2	2912	HP/OHP-6	6
3 *	1500	*	21	*	22	20/1	218	EF-3 (TRASH RM)	6		
3 EH-3 (TEMP)	1500	20/2	23	*	24	20/1	1500	DRINKING FOUNTAIN	5		
3 *	1500	*	25	*	26	20/1	500	RRIGATION CONTROLS	5		
3 EH-3 (TEMP)	1500	20/2	27	*	28	20/1	1500	RECEPT - DATA RM FLR 2	2		
3 *	1500	*	29	*	30	20/1	600	WH-3,4 (GAS)	3		
3 EH-3 (TEMP)	1500	20/2	31	*	32	20/1	1176	RP-2	5		
3 *	1500	*	33	*	34	40/2	*	EV CHARGING STATION (FUTURE)	5		
3 EH-3 (TEMP)	1500	20/2	35	*	36	*	*	*	5		
3 *	1500	*	37	*	38	20/1	1500	RECEPT - DATA RM FLR 2	2		
3 EH-3 (TEMP)	1500	20/2	39	*	40	20/1	1500	BUILDING SIGNS	5		
3 *	1500	*	41	*	42	20/1	0	SPARE			
Phase A	22196 VA							line-line voltage	208		
Phase B	21314 VA							largest motor (va)	0		
Phase C	19020 VA										
Total Connected	62530 VA										
load code:	ph. A	ph. B	ph. C	total	factor			calculated load (va)	0		
1. LIGHTS=	0	0	0	VA	0	1.25			3000		
2. RECEPT=	1500	1500	0	VA	3000	1 + 0.5			25200		
3. HEATING=	9600	7500	8100	VA	25200	1.00			0		
4. KITCHEN=	0	0	0	VA	0	1.00			0		
5. EQUIP=	500	1500	1500	VA	3500	1.00			3000		
6. MOTORS=	10596	10614	9420	VA	30830	*			30830		
7. MISC=	0	0	0	VA	0	1.00			0		
(* 125% of the largest motor + 100% of the balance)									TOTAL =	62530	

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