

MFIA PANEL SCHEDULE													
panel		mounting		location		connected load amps							
H1 (House Loads)		SURFACE		ELECT RM									
voltage		phase		bus & main		calculated load amps							
120/208V (SCCR: 42KAIC)		3		200A		MLO							
C	service	va	a/p	no.	a b c	no.	a/p	va	service	C			
1	LIGHTS - BLDG EXTERIOR	100	20/1	1	*	2	20/1	1260	RECEPTACLES - 1ST FLR	2			
1	LIGHTS - STAIR 1	240	20/1	3	*	4	20/1	1260	RECEPTACLES - 1ST FLR	2			
1	LIGHTS - STAIR 2	240	20/1	5	*	6	20/1	1080	RECEPTACLES - 2ND FLR	2			
1	LTS - FLRS 1 CORRID (EGRESS)	435	20/1	7	*	8	20/1	1080	RECEPTACLES - 2ND FLR	2			
1	LTS - FLRS 2 CORRID (EGRESS)	435	20/1	9	*	10	20/1	1080	RECEPTACLES - 2ND FLR	2			
1	LTS - FLRS 1&2 CORRIDOR	870	20/1	11	*	12	20/1	1080	RECEPTACLES - 2ND FLR	2			
1	LTS - FLRS 1&2	840	20/1	13	*	14	20/1	1080	RECEPTACLES - 3RD FLR	2			
1	LTS - FLRS 3 CORRID (EGRESS)	435	20/1	15	*	16	20/1	1080	RECEPTACLES - 3RD FLR	2			
1	LTS - FLRS 4 CORRID (EGRESS)	435	20/1	17	*	18	20/1	1080	RECEPTACLES - 4TH FLR	2			
1	LTS - FLRS 3&4 CORRIDOR	870	20/1	19	*	20	20/1	1080	RECEPTACLES - 4TH FLR	2			
1	LTS - FLRS 3,4,5,6	1680	20/1	21	*	22	20/1	1080	RECEPTACLES - 5TH FLR	2			
1	LTS - FLRS 5 CORRID (EGRESS)	435	20/1	23	*	24	20/1	900	RECEPTACLES - 5TH FLR	2			
1	LTS - FLRS 6 CORRID (EGRESS)	435	20/1	25	*	26	20/1	900	RECEPTACLES - 5TH FLR	2			
1	LTS - FLRS 5&6 CORRID	870	20/1	27	*	28	20/1	900	RECEPTACLES - 6TH FLR	2			
5	INVERTER INV-1	600	20/1	29	*	30	20/1	500	ELEV MACH RM RECEPT	2			
5	INVERTER INV-2	600	20/1	31	*	32	20/1	720	RECEPTACLES - MAIL ROOM	2			
5	INVERTER INV-3	600	20/1	33	*	34	20/1	1500	HOOD/MICRO	4			
5	INVERTER INV-4	600	20/1	35	*	36	50/2	6000	RANGE	4			
5	INVERTER INV-5	600	20/1	37	*	38	*	6000*		4			
5	INVERTER INV-6	600	20/1	39	*	40	20/1	1200	FRIDGE	2			
2	ELEV. PIT LTS & RECEPTS	500	20/1	41	*	42	20/1	500	RECEPT - AMENITY KITCHEN	2			
Phase A		16000 VA				NOTES:				line-line voltage			
Phase B		12960 VA											
Phase C		15000 VA											
Total Connected		43960 VA								largest motor (va)		0	
load code:		ph. A	ph. B	ph. C	total	factor			calculated load (va)				
1. LIGHTS=		2680	3660	1980	VA	8320	1.25					10400	
2. RECEPT.=		6120	5400	5820	VA	17340	1 + 0.5					13670	
3. HEATING=		0	0	0	VA	0	1.00					0	
4. KITCHEN=		6000	2700	6000	VA	14700	0.90					12320	
5. EQUIP.=		1200	1200	1200	VA	3600	1.00					3600	
6. MOTORS=		0	0	0	VA	0	*					0	
7. MISC=		0	0	0	VA	0	1.00					0	
(* 125% of the largest motor + 100% of the balance)						TOTAL =						40500	

MFIA PANEL SCHEDULE													
panel		mounting		location		connected load amps							
M1 (Mechanical Loads)		SURFACE		ELECT RM				310					
voltage		phase		bus & main		calculated load amps							
120/208V (SCCR: 42KAIC)		3		400A		MLO		310					
C	service	va	a/p	a	b	c	no.	a/p	va	service	C		
5	PHONE BOARD	500	20/1	1	*	2	20/3	1800	TRASH COMPACTOR	6			
5	COMMUNICATIONS BOARD	500	20/1	3	*	4	*	1800*		6			
5	SECURITY SYSTEM	1500	20/1	5	*	6	*	1800*		6			
5	AUTO DOORS	1500	20/1	7	*	8	20/1	1500	PALLET JACK CHARGER	5			
5	ENTRY ACCESS SYSTEM	1500	20/1	9	*	10	20/1	1500	BIKE CHARGING	5			
5	BUILDING SIGN	1500	20/1	11	*	12	20/1	0	SPARE				
3	WH-1, WH-2, WH-3 (GAS)	1500	20/1	13	*	14	20/1	720	RECEPT - TRASH ROOM	2			
6	RP-1/RP-2	1900	20/1	15	*	16	20/1	1500	EH-2	3			
6	BP-1	3865	50/3	17	*	18	20/1	1176	SP-1 (ELEV PIT)	6			
6	*	3865	*	19	*	20	20/1	1500	SMOKE DAMPERS	5			
6	*	3865	*	21	*	22	20/1	1500	SMOKE DAMPERS	5			
3	EH-3	500	20/1	23	*	24	20/1	1500	SMOKE DAMPERS	5			
3	EH-4	1500	20/2	25	*	26	20/1	2000	SMOKE DAMPERS	5			
3	*	1500	*	27	*	28	20/1	2000	SMOKE DAMPERS	5			
5	IRRIGATION CONTROLS	1500	20/1	29	*	30	20/1	2000	SMOKE DAMPERS	5			
3	HP/OHP-4	4368	30/2	31	*	32	20/1	2000	SMOKE DAMPERS	5			
3	*	4368	*	33	*	34	30/2	4368	HP/OHP-4	6			
	SPARE	0	20/1	35	*	36	*	4368*		6			
7	PANEL M2	13300	200/3	37	*	38	*		WHEELCHAIR LIFT	6			
7	*	16080	*	39	*	40	*		BLANK	6			
7	*	13580	*	41	*	42	*		BLANK	6			
Phase A		36053 VA				NOTES:				line-line voltage			
Phase B		42381 VA										208	
Phase C		33289 VA											
Total Connected		111723 VA								largest motor (va)		0	
load code:		ph. A	ph. B			ph. C	total	factor			calculated load (va)		
1. LIGHTS=		0	0			0	VA	0	1.25			0	
2. RECEPT=		720	0			0	VA	720	1 + 0.5			720	
3. HEATING=		7868	7368			500	VA	15236	1.00			15236	
4. KITCHEN=		0	0			0	VA	0	1.00			0	
5. EQUIP.=		9000	7000			8000	VA	24000	1.00			24000	
6. MOTORS=		5665	11933			11209	VA	28807	*			28807	
7. MISC=		13300	16080			13580	VA	42960	1.00			42960	
(* 125% of the largest motor + 100% of the balance)								TOTAL =				111723	

MFIA PANEL SCHEDULE													
panel		mounting			location			connected load amps					
L1 (Laundry)		FLUSH			RM 222						115		
voltage		phase 3			bus & main			calculated load amps					
120/208V		a/p			150A			MLO			78		
C	service	va	a/p	no.	a b c	no.	a/p	va	service	C			
2	WASHER	500	20/1	1	*	2	40/2	2800	DRYER	2			
2	WASHER	500	20/1	3	*	4	*	2800		2			
2	WASHER	500	20/1	5	*	6	40/2	2800	DRYER	2			
2	WASHER	500	20/1	7	*	8	*	2800	*	2			
2	WASHER	500	20/1	9	*	10	40/2	2800	DRYER	2			
2	WASHER	500	20/1	11	*	12	*	2800	*	2			
5	LAUNDRY CARD MACHINE	1500	20/1	13	*	14	40/2	2800	DRYER	2			
6	FF 4 FLBS 3 & 5	50	20/1	15	*	16	*	2800	*	2			
5	FACP	500	20/1	17	*	18	40/2	2800	DRYER	2			
5	GENERATOR ANNUNCIATOR	500	20/1	19	*	20	*	2800	*	2			
5	GEN BATTERY CHARGER	500	20/1	21	*	22	40/2	2800	DRYER	2			
5	GEN BLOCK HEATER	500	20/1	23	*	24	*	2800	*	2			
6	SP-1	1176	20/1	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		15376 VA			NOTES:					line-line voltage			
Phase B		12750 VA								208			
Phase C		13200 VA								largest motor (va)			
Total Connected		41326 VA								0			
load code:		ph. A	ph. B	ph. C		total	factor	calculated load (va)					
1. LIGHTS=		0	0	0	0	1.25		0					
2. RECEPT=		12200	12200	0	12200	VA	36600	1 + 0.5	23300				
3. HEATING=		0	0	0	0	1.00	0	0					
4. KITCHEN=		0	0	0	0	1.00	0	0					
5. EQUIP.=		2000	500	0	1000	VA	3500	1.00	3500				
6. MOTORS=		1176	50	0	0	VA	1226	*	1226				
7. MISCL=		0	0	0	0	VA	0	1.00	0				
(* 125% of the largest motor + 100% of the balance)							TOTAL=		28026				