PANELBOARD MDP

LOCATION: ELECTRIC ROOM | MAIN BUS AMPS: 800 AMP
SERVICE VOLTAGE: 480/277V, 3PH, 4W | MAIN CIRCUIT BREAKER: 800 AMP MLO
MOUNTING: SURFACE
FEED: UTILITY
FEED THRU LUGS: NONE | S.C. RATING: 42,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
	225.0				1	2		180.0			
AHU-A		225.0		250/3	3	4	200/3		180.0		AHU-B
			225.0		5	6				180.0	
	0.0				7	8		0.0			
75 KVA TRANSFORMER		0.0		125/3	9	10	250/3		0.0		ATS-1
			0.0		11	12				0.0	
SPACE	0.0				13	14		0.0			SPACE
SPACE		0.0			15	16			0.0		SPACE
SPACE			0.0		17	18				0.0	SPACE
SPACE	0.0				19	20		0.0			SPACE
SPACE		0.0			21	22			0.0		SPACE
SPACE			0.0		23	24				0.0	SPACE
SPACE	0.0				25	26		0.0			SPACE
SPACE		0.0			27	28			0.0		SPACE
SPACE			0.0		29	30				0.0	SPACE
SPACE	0.0				31	32		0.0			SPACE
SPACE		0.0			33	34			0.0		SPACE
SPACE			0.0		35	36				0.0	SPACE
BUILDING SITE LIGHTING	3.5				37	38		6.0			PARKING LOT SITE LIGHTING
BUILDING SITE LIGHTING		2.7			39	40			4.5		PARKING LOT SITE LIGHTING
BUILDING SITE LIGHTING			2.3		41	42				0.0	SPACE
	228.5	227.7	227.3	SUBTOTAL (AMPS)				186.0	184.5	180.0	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	414.50	412.20	407.30
TOTAL PHASE kVA	49.74	49.46	48.88
TOTAL 3-PHASE kVA	148.08		
TOTAL DEMAND PHASE Kva	103.66		
TOTAL DEMAND PHASE AMPS	288.06		

PANELBOARD MSP

LOCATION: ELECTRIC ROOM | MAIN BUS AMPS: 400 AMP
SERVICE VOLTAGE: 480/277V, 3PH, 4W | MAIN CIRCUIT BREAKER: 400 AMP MLO
MOUNTING: SURFACE
FEED: GENERATOR
FEED THRU LUGS: NONE | S.C. RATING: 42,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
	11.0				1	2		11.0			
HWP-1		11.0		20/3	3	4	20/3		11.0		HWP-2
			11.0		5	6				11.0	
	27.0				7	8		0.0			SPACE
ELEVATOR		27.0		50/3	9	10			0.0		SPACE
			27.0		11	12				0.0	SPACE
SPACE	0.0				13	14		0.0			SPACE
SPACE		0.0			15	16			0.0		SPACE
SPACE			0.0		17	18				0.0	SPACE
SPACE	0.0				19	20		0.0			SPACE
SPACE		0.0			21	22			0.0		SPACE
SPACE			0.0		23	24				0.0	SPACE
SPACE	0.0				25	26		0.0			SPACE
SPACE		0.0			27	28			0.0		SPACE
SPACE			0.0		29	30				0.0	SPACE
SPACE	0.0				31	32		0.0			SPACE
SPACE		0.0			33	34			0.0		SPACE
SPACE			0.0		35	36				0.0	SPACE
SPACE	0.0				37	38					
SPACE		0.0			39	40	125/3				75 KVA TRANSFORMER
SPACE			0.0		41	42					
	38.0	38.0	38.0	SUBTOTAL (AMPS)				11.0	11.0	11.0	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	49.00	49.00	49.00
TOTAL PHASE kVA	5.88	5.88	5.88
TOTAL 3-PHASE kVA	17.64		
TOTAL DEMAND PHASE Kva	12.35		
TOTAL DEMAND PHASE AMPS	34.32		

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	MOUNTING	VOLTAGE	COMMENTS
A1	15" ROUND CEILING MOUNTED DECORATIVE FIXTURE	INCON LIGHTING	14561–213QE–ES	2 –13W QUAD	SURFACE	120V	1,3
A2	15" ROUND CEILING MOUNTED DECORATIVE FIXTURE	INCON LIGHTING	14561–36QE–ES	2–18W QUAD	SURFACE	120V	1,3
B	13¾"Wx4"Hx54"L SURFACE MOUNTED FIXTURE	THOMAS LIGHTING	FD 232–8 KCEB	2–32W T8	SURFACE	120V	1,3
C	4½"x5½" SHOWER FIXTURE	COOPER LIGHTING	H471ICAT–952	1–18W TTT	RECESSED	120V	1,3
D	BATHROOM VANITY FIXTURE	THOMAS LIGHTING	PL7672–63L	2–13W	SURFACE	120V	3
E	6½"x18"H WALL SCONCE	THOMAS LIGHTING	PL8503–63L	1–13W	SURFACE	120V	3,5
F	4' DECORATIVE STAIRWELL FIXTURE	THOMAS LIGHTING	FWS232–8DSEB	2–32W T8	SURFACE	120V	1,3,7
G	14"x54" CEILING FIXTURE	THOMAS LIGHTING	FD232–42HCEB	2–32W T8	SURFACE	120V	1,3
H	4' WRAPAROUND LIGHT FIXTURE	THOMAS LIGHTING	FWL232–ED	2–32W T8	SURFACE	120V	1,3
J	6½" OPEN REFLECTOR DOWNLIGHT FIXTURE	THOMAS LIGHTING	PS126–TRMB30W	1–26W CFT	RECESSED	120V	1,3
K	VAPORGARD ELEVATOR PIT LIGHT FIXTURE	COOPER LIGHTING	VFHBF222GP	2–18W CF	SURFACE	120V	
L	6½"" OPEN REFLECTOR DOWNLIGHT FIXTURE	THOMAS LIGHTING	PS113–TRMB30W	1–13W CFT	RECESSED	120V	1,3
M	TABLE LIGHT FIXTURE SPECIFIED BY ARCHITECT	–––	–––	–––	–––	120V	3,4
N	PARKING LOT LIGHT	DAYBRITE	SBX250M–MC3	1–250W MH	20' POLE	277	
O	FACILITY SIGN FLOOD LIGHT	GARDCO	DF5–C–HFL–T70CMHE–120–BRP	1–70W MH	GROUND STUB–UP	277	
PF	WALLPACK (FORWARD THROW)	GARDCO	101–FT–150MH–277–BRP	1–150W MH	12' WALL	277	
PW	WALLPACK (WIDE THROW)	GARDCO	101–WT–100MH–277–BRP	1–100W MH	12' WALL	277	
Q	RECESSED EXTERIOR DOWNLIGHT	–––	–––	–––	–––	120	
R	EXTERIOR WALL SCONCE	MISSION	SL–9104–7	1–100W	WALL	120	4
S	HANGING EXTERIOR PENDANT	MISSION	SL–9004–7	3–60W	CHAIN	120	
P1	EMERGENCY WALLPACK	GARDCO	101EMC–MT–42TRF–277–BRP–PCB	1–42W CF	8' WALL	120	9
EX	LED EXIT SIGN WITH BATTERY BACKUP, SELF–TEST/SELF–DIAGNOSTIC CIRCUIT	McPHILBEN	CXXL3RW–CXPMC–CXPA12W	LED	PENDANT	120/277V	2
EM	NI–CAD BATTERY OPERATED EMERGENCY FIXTURE	McPHILBEN	CAX6NH	2–8W MR16	SURFACE	120/277V	6

COMMENTS
1. LUMINAIRE SHALL UTILIZE ELECTRONIC BALLAST(S).
2. PROVIDE WITH PENDANT MOUNT CANOPY AND PENDANT ASSEMBLY.
3. ENERGY STAR RATED.
4. PROVIDE $500 ALLOWANCE PER FIXTURE.
5. MOUNT FIXTURE AT 80" AFF TO BOTTOM.
6. WIRE AHEAD OF LOCAL SWITCHING.
7. MOUNT AT 8' AFF TO BOTTOM.
8. LIGHT FIXTURE TO BE DETERMINED BY ARCHITECT.
9. PROVIDE WITH A BUTTON TYPE PHOTOCONTROL.

PANELBOARD SB1

LOCATION: FIRST FLOOR | MAIN BUS AMPS: 225 AMP
SERVICE VOLTAGE: 208Y/120, 3PH, 4W | MAIN CIRCUIT BREAKER: 150 AMP MCB
MOUNTING: SURFACE
FEED: MSP THRU TRANSFORMER
FEED THRU LUGS: YES | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
COMMUNITY ROOM	4.5			20/1	1	2	40/2	32.0			OVEN
COMMUNITY ROOM		4.5		20/1	3	4			32.0		
COMMUNITY ROOM KITCHEN			5.0	20/1	5	6	15/1			1.0	SACU-1
COMMUNITY ROOM KITCHEN	5.0			20/1	7	8	20/1	10.5			SECURITY EQUIPMENT
MANAGERS OFFICE		6.0		20/1	9	10	20/1		6.0		SECURITY EQUIPMENT
EXIT SIGNS			2.0	20/1	11	12	20/1			8.0	NORTH STAIRWELL LIGHTS
CORRIDOR/COMMUNITY ROOM LIGHTS	10.0			20/1	13	14	20/1	5.5			WEST STAIRWELL LIGHTS
CORRIDOR LIGHTS		7.0		20/1	15	16	20/1		5.5		SOUTHWEST STAIRWELL LIGHTS
MECH/ELEC ROOM LIGHTS			9.6	20/1	17	18	20/1			5.5	EAST STAIRWELL LIGHTS
REFRIGERATOR	12.0			20/1	19	20	20/1	1.5			EXTERIOR RECEPTACLE
ELEVATOR LIGHTS/AC		5.0		20/1	21	22	20/1		0.0		SPARE
BMS POWER			1.0	20/1	23	24	20/1			10.0	BOILER #1
BMS POWER	1.0			20/1	25	26	20/1	10.0			BOILER #2
FACP		5.0		20/1	27	28	20/1		2.0		FIRE ALARM APARTMENT 135
SPARE			0.0	20/1	29	30	20/1			2.0	FIRE ALARM APARTMENT 136
BFW-1	9.8			20/1	31	32	20/1	2.0			FIRE ALARM APARTMENT 137
BFW-1		9.8		20/1	33	34	20/1		2.0		FIRE ALARM APARTMENT 138
CRT-1			7.8	20/1	35	36	20/1			2.0	FIRE ALARM APARTMENT 139
CRT-1	7.8			20/1	37	38	20/1	2.0			FIRE ALARM APARTMENT 140
ELEVATOR SUMP		3.0		20/1	39	40	20/1		0.0		SPARE
SPARE			0.0	20/1	41	42	20/1			0.0	SPARE
	50.1	40.3	25.4	SUBTOTAL (AMPS)				63.5	47.5	28.5	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	113.60	87.80	53.90
TOTAL PHASE kVA	13.63	10.54	6.47
TOTAL 3-PHASE kVA	30.64		
TOTAL DEMAND PHASE Kva	21.45		
TOTAL DEMAND PHASE AMPS	59.60		

PANELBOARD HP1

LOCATION: FIRST FLOOR | MAIN BUS AMPS: 225 AMP
SERVICE VOLTAGE: 208Y/120, 3PH, 4W | MAIN CIRCUIT BREAKER: 225 AMP MCB
MOUNTING: SURFACE
FEED: MDP
FEED THRU LUGS: YES | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
UNIT STORAGE	3.0			20/1	1	2	20/1	4.5			BEAUTY SHOP RECEPTACLES
CUH-1/RECEPTACLES		6.0		20/1	3	4	20/1		4.5		BEAUTY SHOP RECEPTACLES
JANITOR CLOSET RECEPTACLES			6.0	20/1	5	6	20/1			3.0	BEAUTY SHOP RECEPTACLES
LAUNDRY ROOM RECEPTACLES	4.5			20/1	7	8	20/1	3.0			BEAUTY SHOP RECEPTACLES
WAITING ROOM RECEPTACLES		7.5		20/1	9	10	20/1		5.0		DRYER RECEPTACLE
CUH-2/RECEPTACLES			6.0	20/1	11	12	20/1			5.0	DRYER RECEPTACLE
CUH-3/LOBBY RECEPTACLES	6.0			20/1	13	14	20/1	0.0			CORRIDOR RECEPTACLE
ELEVATOR MACHINE ROOM		4.5		20/1	15	16	20/1		1.0		EF1AB & EF4AB
GENERATOR BLOCK HEATER			0.0	20/1	17	18	20/1			6.0	MECH ROOM RECEPTACLES
EXTERIOR RECEPTACLES	6.0			20/1	19	20	20/1	6.0			MECH ROOM RECEPTACLES
EXTERIOR RECEPTACLES		6.0		20/1	21	22	20/1		5.0		ENTRY DOOR ACTUATOR
EXTERIOR RECEPTACLES			7.5	20/1	23	24	20/1				TIME CLOCK
GENERATOR BATTERY CHARGER	0.0			20/1	25	26	20/1	9.0			EF-3AB
STORAGE/BEAUTY SHOP LIGHTS		9.0		20/1	27	28	20/1		6.0		CUH-1 & RECEPTACLES
VAV BOX TRANSFORMERS			4.0	20/1	29	30	20/1			9.5	CORRIDOR LIGHTS
VAV BOX TRANSFORMERS	4.0			20/1	31	32	20/1	6.0			MECH ROOM RECEPTACLES
WASHER		5.0		20/1	33	34	20/1		2.0		UNIT STORAGE RECEPTACLES
PATIO LIGHTS			4.0	20/1	35	36	20/1			0.0	SPARE
SPARE	0.0			20/1	37	38	20/1	0.0			SPARE
LIFT		16.0		20/2	39	40			0.0		SPACE
			16.0		41	42				0.0	SPACE
	23.5	54.0	43.5	SUBTOTAL (AMPS)				28.5	23.5	23.5	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	52.00	77.50	67.00
TOTAL PHASE kVA	6.24	9.30	8.04
TOTAL 3-PHASE kVA	23.58		
TOTAL DEMAND PHASE Kva	16.51		
TOTAL DEMAND PHASE AMPS	45.87		

PANELBOARD SB2

LOCATION: SECOND FLOOR | MAIN BUS AMPS: 225 AMP
SERVICE VOLTAGE: 208Y/120, 3PH, 4W | MAIN CIRCUIT BREAKER: 225 AMP MLO
MOUNTING: SURFACE
FEED: SB1
FEED THRU LUGS: YES | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
SPARE	0.0			20/1	1	2	20/1	1.0			BMS POWER
CORRIDOR RECEPTACLE		6.0		20/1	3	4	20/1		2.0		EXIT SIGNS
CORRIDOR LIGHTS			6.1	20/1	5	6	20/1			4.2	CORRIDOR LIGHTS
FATC	5.0			20/1	7	8	20/1	4.6			CORRIDOR LIGHTS
FIRE ALARM APARTMENT 205		2.0		20/1	9	10	20/1		2.0		FIRE ALARM APARTMENT 215
FIRE ALARM APARTMENT 206			2.0	20/1	11	12	20/1			2.0	FIRE ALARM APARTMENT 216
FIRE ALARM APARTMENT 207	2.0			20/1	13	14	20/1	2.0			FIRE ALARM APARTMENT 217
FIRE ALARM APARTMENT 208		2.0		20/1	15	16	20/1		2.0		FIRE ALARM APARTMENT 218
FIRE ALARM APARTMENT 209			2.0	20/1	17	18	20/1			2.0	FIRE ALARM APARTMENT 219
FIRE ALARM APARTMENT 210	2.0			20/1	19	20	20/1	2.0			FIRE ALARM APARTMENT 220
FIRE ALARM APARTMENT 211		2.0		20/1	21	22	20/1		0.0		SPARE
FIRE ALARM APARTMENT 213			2.0	20/1	23	24	20/1			0.0	SPARE
FIRE ALARM APARTMENT 214	2.0			20/1	25	26	20/1	0.0			SPARE
SPARE		0.0		20/1	27	28			0.0		SPACE
SPARE			0.0	20/1	29	30				0.0	SPACE
SPARE	0.0			20/1	31	32		0.0			SPACE
SPACE		0.0			33	34			0.0		SPACE
SPACE			0.0		35	36				0.0	SPACE
SPACE	0.0				37	38		0.0			SPACE
SPACE		0.0			39	40			0.0		SPACE
SPACE			0.0		41	42				0.0	SPACE
	11.0	12.0	12.1	SUBTOTAL (AMPS)				9.6	6.0	8.2	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	20.60	18.00	20.30
TOTAL PHASE kVA	2.47	2.16	2.44
TOTAL 3-PHASE kVA	7.07		
TOTAL DEMAND PHASE Kva	4.95		
TOTAL DEMAND PHASE AMPS	13.75		

PANELBOARD HP2

LOCATION: SECOND FLOOR | MAIN BUS AMPS: 225 AMP
SERVICE VOLTAGE: 208Y/120, 3PH, 4W | MAIN CIRCUIT BREAKER: 225 AMP MLO
MOUNTING: SURFACE
FEED: HP1
FEED THRU LUGS: YES | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
LAUNDRY ROOM RECEPTACLES	4.5			20/1	1	2	20/1	5.0			DRYER RECEPTACLE
LIBRARY RECEPTACLES & EF2AB		6.0		20/1	3	4	20/1		5.0		DRYER RECEPTACLE
SPARE			0.0	20/1	5	6	20/1			4.5	CORRIDOR RECEPTACLE
CORRIDOR LIGHTS	6.0			20/1	7	8	20/1	0.0			LAUNDRY RECEPTACLE
CORRIDOR LIGHTS		1.0		20/1	9	10	20/1		4.0		VAV BOX TRANSFORMER
CORRIDOR RECEPTACLES			10.5	20/1	11	12	20/1			4.0	VAV BOX TRANSFORMER
CORRIDOR RECEPTACLES	9.5			20/1	13	14	20/1	1.0			VAV BOX TRANSFORMER
CORRIDOR RECEPTACLES		3.0		20/1	15	16	20/1		5.0		WASHER
SPARE			0.0	20/1	17	18	20/1			0.0	SPARE
SPARE	0.0			20/1	19	20		0.0			SPARE
SPARE		0.0		20/1	21	22			0.0		SPACE
SPACE			0.0		23	24				0.0	SPACE
SPACE	0.0				25	26		0.0			SPACE
SPACE		0.0			27	28			0.0		SPACE
SPACE			0.0		29	30				0.0	SPACE
SPACE	0.0				31	32		0.0			SPACE
SPACE		0.0			33	34			0.0		SPACE
SPACE			0.0		35	36				0.0	SPACE
SPACE	0.0				37	38		0.0			SPACE
SPACE		0.0			39	40			0.0		SPACE
SPACE			0.0		41	42				0.0	SPACE
	20.0	10.0	10.5	SUBTOTAL (AMPS)				6.0	14.0	8.5	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	26.00	24.00	19.00
TOTAL PHASE kVA	3.12	2.88	2.28
TOTAL 3-PHASE kVA	8.28		
TOTAL DEMAND PHASE Kva	5.80		
TOTAL DEMAND PHASE AMPS	16.11		

PANELBOARD: TYPICAL APARTMENT PANEL (1 BEDROOM)**

LOCATION: APARTMENTS | MAIN BUS AMPS: 100 AMPS
SERVICE VOLTAGE: 208/120V, 1PH, 3W | MAIN CIRCUIT BREAKER: 70 AMPS MCB
MOUNTING: FLUSH
FEED: METER CENTER
FEED THRU LUGS: NONE | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B		TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B		DESCRIPTION
KITCHEN RECEPTACLES	4.5			20/1	1	2	20/1*	9.0			LIVING ROOM RECEPTACLES
REFRIGERATOR RECEPTACLE		12.0		20/1	3	4	20/1*		6.0		BEDROOM RECEPTACLES
OVEN RECEPTACLE	32.0			40/2	5	6	20/1	1.5			BATHROOM RECEPTACLE
		32.0			7	8	20/1		1.0		APARTMENT LIGHTS
KITCHEN RECEPTACLES	4.5			20/1	9	10	20/1	2.0			APARTMENT LIGHTS
SPARE		0.0		20/1	11	12	20/1		0.0		SPARE
SPARE	0.0			20/1	13	14	20/1	0.0			SPARE
SPACE		0.0			15	16			0.0		SPACE
SPACE	0.0				17	18		0.0			SPACE
SPACE		0.0			19	20			0.0		SPACE
	41.0	44.0		SUBTOTAL (AMPS)				12.5	7.0		

	PH. A	PH. B
TOTAL PHASE AMPS	53.50	51.00
TOTAL PHASE kVA	6.42	6.12
TOTAL 1-PHASE kVA	12.54	
TOTAL DEMAND PHASE Kva	8.78	
TOTAL DEMAND PHASE AMPS	42.20	

NOTES: *ARC-FAULT CIRCUIT INTERRUPTER BREAKER

**TYPICAL FOR 29 APARTMENTS

PANELBOARD: TYPICAL APARTMENT PANEL (2 BEDROOM)**

LOCATION: APARTMENTS | MAIN BUS AMPS: 100 AMP
SERVICE VOLTAGE: 208/120V, 1PH, 3W | MAIN CIRCUIT BREAKER: 70 AMP MCB
MOUNTING: FLUSH
FEED: METER CENTER
FEED THRU LUGS: NONE | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B		TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B		DESCRIPTION
KITCHEN RECEPTACLES	4.5			20/1	1	2	20/1*	9.0			LIVING ROOM RECEPTACLES
REFRIGERATOR RECEPTACLE		12.0		20/1	3	4	20/1*		9.0		BEDROOM RECEPTACLES
OVEN RECEPTACLE	32.0			40/2	5	6	20/1*	6.0			BEDROOM RECEPTACLES
		32.0			7	8	20/1		1.5		BATHROOM RECEPTACLE
KITCHEN RECEPTACLES	4.5			20/1	9	10	20/1	2.5			APARTMENT LIGHTS
SPARE		0.0		20/1	11	12	20/1		1.0		APARTMENT LIGHTS
SPARE	0.0			20/1	13	14	20/1	0.0			SPARE
SPACE		0.0			15	16	20/1		0.0		SPARE
SPACE	0.0				17	18		0.0			SPACE
SPACE		0.0			19	20			0.0		SPACE
	41.0	44.0		SUBTOTAL (AMPS)				17.5	11.5		

	PH. A	PH. B
TOTAL PHASE AMPS	58.50	55.50
TOTAL PHASE kVA	7.02	6.66
TOTAL 1-PHASE kVA	13.68	
TOTAL DEMAND PHASE Kva	9.58	
TOTAL DEMAND PHASE AMPS	46.04	

NOTES: *ARC-FAULT CIRCUIT INTERRUPTER BREAKER

**TYPICAL FOR 5 APPARTMENTS

PANELBOARD SB3

LOCATION: THIRD FLOOR | MAIN BUS AMPS: 225 AMP
SERVICE VOLTAGE: 208Y/120, 3PH, 4W | MAIN CIRCUIT BREAKER: 225 AMP MLO
MOUNTING: SURFACE
FEED: SB2
FEED THRU LUGS: NONE | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
SPARE	0.0			20/1	1	2	20/1	1.0			BMS POWER
CORRIDOR RECEPTACLES		6.0		20/1	3	4	25/2		18.0		SACC-1
CORRIDOR LIGHTS			5.5	20/1	5	6				18.0	
EXIT SIGNS	2.0			20/1	7	8	20/1	4.2			CORRIDOR LIGHTS
FATC		5.0		20/1	9	10	20/1		4.6		CORRIDOR LIGHTS
FIRE ALARM APARTMENT 306			2.0	20/1	11	12	20/1			2.0	FIRE ALARM APARTMENT 315
FIRE ALARM APARTMENT 307	2.0			20/1	13	14	20/1	2.0			FIRE ALARM APARTMENT 316
FIRE ALARM APARTMENT 308		2.0		20/1	15	16	20/1		2.0		FIRE ALARM APARTMENT 317
FIRE ALARM APARTMENT 309			2.0	20/1	17	18	20/1			2.0	FIRE ALARM APARTMENT 318
FIRE ALARM APARTMENT 310	2.0			20/1	19	20	20/1	2.0			FIRE ALARM APARTMENT 319
FIRE ALARM APARTMENT 311		2.0		20/1	21	22	20/1		2.0		FIRE ALARM APARTMENT 320
FIRE ALARM APARTMENT 313			2.0	20/1	23	24	20/1			0.0	SPARE
FIRE ALARM APARTMENT 314	2.0			20/1	25	26	20/1	0.0			SPARE
SPARE		0.0		20/1	27	28	20/1		0.0		SPARE
SPARE			0.0	20/1	29	30				0.0	SPARE
SPARE	0.0			20/1	31	32		0.0			SPARE
SPARE		0.0			33	34			0.0		SPARE
SPARE			0.0		35	36				0.0	SPARE
SPARE	0.0				37	38		0.0			SPARE
SPARE		0.0			39	40			0.0		SPARE
SPARE			0.0		41	42				0.0	SPARE
	8.0	15.0	11.5	SUBTOTAL (AMPS)				9.2	26.6	22.0	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	17.20	41.60	33.50
TOTAL PHASE kVA	2.06	4.99	4.02
TOTAL 3-PHASE kVA	11.08		
TOTAL DEMAND PHASE Kva	7.75		
TOTAL DEMAND PHASE AMPS	21.55		

PANELBOARD HP3

LOCATION: THIRD FLOOR | MAIN BUS AMPS: 225 AMP
SERVICE VOLTAGE: 208Y/120, 3PH, 4W | MAIN CIRCUIT BREAKER: 225 AMP MLO
MOUNTING: SURFACE
FEED: HP2
FEED THRU LUGS: NONE | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B	PH C	TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B	PH C	DESCRIPTION
LAUNDRY ROOM RECEPTACLES	4.5			20/1	1	2	20/1	5.0			DRYER RECEPTACLE
BMS POWER/AHU-B RECEPTACLE		4.0		20/1	3	4	20/1		5.0		DRYER RECEPTACLE
BMS POWER/AHU-A RECEPTACLE			4.0	20/1	5	6	20/1			4.5	CORRIDOOR RECEPTACLE
CORRIDOR LIGHTS	3.0			20/1	7	8	20/1	0.0			LAUNDRY RECEPTACLE
CORRIDOR LIGHTS		1.0		20/1	9	10	20/1		4.0		VAV BOX TRANSFORMER
CORRIDOOR RECEPTACLE			10.5	20/1	11	12	20/1			4.0	VAV BOX TRANSFORMER
CORRIDOOR RECEPTACLE	9.5			20/1	13	14	20/1	9.0			ATTIC LIGHTS/RECEPTACLES
EF-2A & EF-2B		1.0		20/1	15	16	20/1		7.0		ATTIC LIGHTS/RECEPTACLES
WASHER			5.0	20/1	17	18	20/1			7.0	ATTIC LIGHTS/RECEPTACLES
SPARE	0.0			20/1	19	20	20/1	0.0			SPARE
SPACE		0.0			21	22	20/1		0.0		SPARE
SPACE			0.0		23	24	20/1			0.0	SPARE
SPACE	0.0				25	26		0.0			SPACE
SPACE		0.0			27	28			0.0		SPACE
SPACE			0.0		29	30				0.0	SPACE
SPACE	0.0				31	32		0.0			SPACE
SPACE		0.0			33	34			0.0		SPACE
SPACE			0.0		35	36				0.0	SPACE
	6.6				37	38		6.6			
EF-1A		6.6		15/3P	39	40	15/3P		6.6		EF-1B
			6.6		41	42				6.6	
	23.6	12.6	26.1	SUBTOTAL (AMPS)				20.6	22.6	22.1	

	PH. A	PH. B	PH.C
TOTAL PHASE AMPS	44.20	35.20	48.20
TOTAL PHASE kVA	5.30	4.22	5.78
TOTAL 3-PHASE kVA	15.31		
TOTAL DEMAND PHASE Kva	10.72		
TOTAL DEMAND PHASE AMPS	29.79		

PANTRY PANELBOARD

LOCATION: FOOD PANTRY | MAIN BUS AMPS: 200 AMP
SERVICE VOLTAGE: 208/120, 1PH, 3W | MAIN CIRCUIT BREAKER: 200 AMP MCB
MOUNTING: FLUSH
FEED: METER CENTER
FEED THRU LUGS: NONE | S.C. RATING: 10,000 AMPS RMS SYM.

DESCRIPTION	PHASE AMPS PH A	PH B		TRIP AMPS	POLES	POLES	TRIP AMPS	PHASE AMPS PH A	PH B		DESCRIPTION
MEETING ROOMS RECEPTACLES	9.0			20/1	1	2	20/1	7.5			CONGREGATION RECEPTACLES
OFFICE/WAITING RECEPTACLES		10.5		20/1	3	4	20/1		3.0		TOILET ROOMS RECEPTACLES
LOUNGE RECEPTACLES	6.0			20/1	5	6	20/1	2.0			EF-3A & EF-4A
SPARE		6.0		20/1	7	8	20/1		7.5		RECEIVING RECEPTACLES
CONGREGATION/OFFICE LIGHTS	11.0			20/1	9	10	20/1	0.0			RECEIVING RECEPTACLES
RECEIVING LIGHTS		9.0		20/1	11	12	20/1		0.0		RECEIVING RECEPTACLES
DWH-1	12.5			20/1	13	14	20/1	12.5			DWH-1
DWH-1		12.5		20/1	15	16	20/1		12.5		DWH-1
SACU-2	12.4			20/1	17	18	20/1	12.4			SACU-3
SACC-2		27.0		*45/2	19	20	*45/2		27.0		SACC-3
-	27.0				21	22		27.0			-
SPACE					23	24					SPACE
SPACE					25	26					SPACE
SPACE					27	28					SPACE
SPACE					29	30					SPACE
SPACE					31	32					SPACE
SPACE					33	34					SPACE
SPACE					35	36					SPACE
SPACE					37	38					SPACE
SPACE					39	40					SPACE
SPACE					41	42					SPACE
	77.9	65.0		SUBTOTAL (AMPS)				61.4	50.0		

	PH. A	PH. B
TOTAL PHASE AMPS	139.30	115.00
TOTAL PHASE kVA	16.72	13.80
TOTAL 1-PHASE KVA	30.52	
TOTAL DEMAND PHASE KVA	21.36	
TOTAL DEMAND PHASE AMPS	102.70	

*HACR CIRCUIT BREAKER

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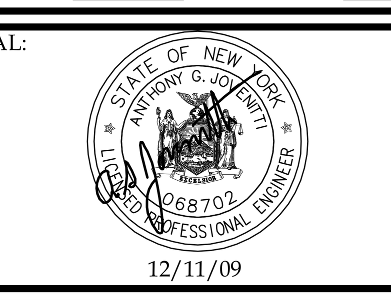

12/11/09

TITLE:

ELECTRICAL PANEL SCHEDULES & LUMINAIRE SCHEDULE

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