PANEL CB (EXISTING)

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 24 — INCOMING:
LOCATION MCTS CC311
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: MLO A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
3	LTG: CORRIDOR 311, LAV 308	1	300	15	X			15	300	2	LTG: 309,310	3
1	AIR CONDITIONER #3	3	1000	20		X		20	1000	4	AIR CONDITIONER # (BOARDROOM)	1
	RECEPT: OFFICE 302	5	250	15			X	15		6	SPACE	
	RECEPT: OFFICE 301	7	250	15	X			15	300	8	LTG: 301,302	3
3	RECEPT: LAV 300 (GFI BREAKER)	9	120	15		X		15	250	10	RECEPT: 311	3
	SPARE	11		15			X	15		12	SPARE	
	SPARE	13		15	X			15	250	14	RECEPT: 310	3
	HEATER IN STAIRWELL	15	100	15		X		15	300	16	LTG: ATTIC	
1	AIR CONDITIONER #	17	500	15			X	15		18	SPARE	
1	AIR CONDITIONER #	19	5000	15	X			15	250	20	UNKNOWN LOAD	
	SPACE	21				X				22	SPACE	
	SPACE	23					X			24	SPACE	

FEEDER: — SOURCE: FED FROM PANEL CA

Remarks:
1 EXISTING A/C LOADS TO BE REMOVED - SEE MECHANICAL
2 LOADS ARE ESTIMATED
3 TO BE REMOVED - NOT ALL DEVICES ON CCT ARE NECESSARILY REMOVED

Phase A Total	6650 W	55.4 A
Phase B Total	2770 W	23.1 A
Phase C Total	750 W	6.3 A
TOTAL	10170 W	28.3 A

PANEL CB (REVISED)

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 24 — INCOMING:
LOCATION CORRIDOR CC300
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: MLO A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
1	SPARE	1	300	15	X			15	480	2	LTG: CC301; CC309	1
1	RECEPT:CC300; STAIR 11	3	240	20		X		20		4	SPARE	
	RECEPT: OFFICE CC301	5	250	15			X	15	250	6	LTG: CC300	1
	RECEPT: OFFICE CC301	7	250	15	X			15	300	8	LTG: 301,302	
1	SPARE (GFI BREAKER)	9	120	15		X		15	250	10	RECEPT: CC302	1
2	EXIT SIGNS: LEVEL 300	11	30	15			X	15		12	SPARE	
1	HEATING CONTROLS TRANSFORMER	13	150	15	X			15	250	14	SPARE	1
	HEATER IN STAIRWELL	15	100	15		X		15	300	16	LTG: ATTIC	
	SPARE	17		15			X	15		18	SPARE	
	SPARE	19		15	X			15	250	20	UNKNOWN LOAD	
	SPACE	21				X				22	SPACE	
	SPACE	23					X			24	SPACE	

FEEDER: — SOURCE: FED FROM PANEL CA

Remarks:
1 NEW OR REVISED LOAD
2 PROVIDE LOCK ON DEVICE

Phase A Total	1980 W	16.5 A
Phase B Total	1010 W	8.4 A
Phase C Total	530 W	4.4 A
TOTAL	3520 W	9.8 A

PANEL CD (EXISTING)

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 24 — INCOMING: BOTTOM
LOCATION MCTS CC313
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: MLO A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
3	LTG: WASHRM CORRIDOR	1	300	15A	X			15A	300	2	LTG: 304, 305, 306	
	SPARE	3		15A		X		15A		4	SPARE	
	SPARE	5		15A			X	15A	240	6	RECEPT: TRAINING 303	
3	RECEPT: 305, 306	7	240	15A	X			15A	240	8	LTG: 311, 312, 314	3
3	RECEPT: LAV 308	9	120	15A		X		15A	240	10	RECEPT: CORRIDOR 313	
3	RECEPT: 312	11	240	15A			X	15A	240	12	RECEPT: 311	
3	RECEPT: 314	13	240	15A	X			15A	240	14	RECEPT: 303	
	HEATER IN STAIRWELL	15	100	15A		X		15A	300	16	LTG: ATTIC	
3	COUNTER PLUG	17	120	15A			X	15A	750	18	VENTILATION SYSTEM	
3	COUNTER PLUG	19	120	15A	X			15A		20	SPARE	
	SPACE	21				X		15A	500	22	220 AIR CONDITIONER	1
	SPACE	23					X	2-P	500	24	220 AIR CONDITIONER	1

FEEDER: — SOURCE: FED FROM PANEL CC

Remarks:
1 EXISTING A/C LOADS TO BE REMOVED - SEE MECHANICAL
2 LOADS ARE ESTIMATED
3 TO BE REMOVED - NOT ALL DEVICES ON CCT ARE NECESSARILY REMOVED

Phase A Total	1680 W	14.0 A
Phase B Total	1260 W	10.5 A
Phase C Total	2090 W	17.4 A
TOTAL	5030 W	14.0 A

PANEL CD (REVISED)

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 24 — INCOMING: BOTTOM
LOCATION CORRIDOR CC302
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: MLO A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
1	LTG: CC302 CORRIDOR	1	300	15A	X			15A	480	2	LTG: CC302; CC304; CC340	1
	SPARE	3		15A		X		15A		4	SPARE	
1	RECEPT: SHOWER ROOM CC340	5	120	15A			X	15A	250	6	RECEPT: CC302	
1	RECEPT: CC302 ALCOVE	7	240	15A	X			15A	200	8	LTG: CC314;CC315	1
	SPARE	9		15A		X		15A	240	10	RECEPT: CC302 CORRIDOR	
1	SPARE	11		15A			X	15A	120	12	RECEPT: CC302 (EAST WALL)	1
1	SPARE	13		15A	X			15A	250	14	RECEPT: CC302	
	HEATER IN STAIRWELL	15	100	15A		X		15A	300	16	LTG: ATTIC	
	SPARE	17		15A			X	15A	500	18	VENTILATION SYSTEM	
	SPARE	19		15A	X			15A		20	SPARE	
1,2	RECEPT: CC314,; CC315	21	240	15A		X		15A		22	SPARE	
1,2	HEATING CONTROLS TRANSFORMER	23	150	15A			X	2-P		24	SPARE	

FEEDER: — SOURCE: FED FROM PANEL CC

Remarks:
1 NEW OR REVISED LOAD
2 PROVIDE NEW BREAKER

Phase A Total	1470 W	12.3 A
Phase B Total	880 W	7.3 A
Phase C Total	1140 W	9.5 A
TOTAL	3490 W	9.7 A

PANEL 1190

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 30 — INCOMING:
LOCATION CC109
SYM. IC.: 10000 A — MAINS: 400 A — MAIN BKR: MLO A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
	PANEL TC	1	6000	70A	X			30A		2	SPARE	
	PANEL TC	3	6000	3-P		X		3-P		4	SPARE	
	PANEL TC	5	6000	----			X	----		6	SPARE	
	PANEL CA	7	6000	70A	X			15A		8	SPARE	
	PANEL CA	9	6000	3-P		X		3-P		10	SPARE	
	PANEL CA	11	6000	----			X	----		12	SPARE	
	PANEL CC	13	6000	70A	X			20A		14	SPARE	
	PANEL CC	15	6000	3-P		X		20A		16	SPARE	
	PANEL CC	17	6000	----			X	20A		18	SPARE	
	PANEL 1390	19	4000	70A	X			15A		20	SPARE	
	PANEL 1390	21	4750	3-P		X		15A		22	SPARE	
	PANEL 1390	23	2430	----			X	15A		24	SPARE	
	SPARE	25		70A	X			15A		26	SPARE	
	SPARE	27		3-P		X		15A		28	SPARE	
	SPARE	29		----			X	15A		30	SPARE	

FEEDER: — SOURCE: FED FROM PANEL 3190 VIA 75 KVA TRANSFORMER

Remarks:

Phase A Total	22000 W	183.3 A
Phase B Total	22750 W	189.6 A
Phase C Total	20430 W	170.3 A
TOTAL	65180 W	181.1 A

PANEL 1390

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 24 — INCOMING:
LOCATION KITCHEN CC304
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: MLO A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
	ELECTRIC RANGE	1	4000	40	X					2	SPACE	
	ELECTRIC RANGE	3	4000	2-P		X				4	SPACE	
	REFRIGERATOR	5	720	15			X	20	120	6	RECEPT: COUNTER	
	SPARE	7		20	X					8	SPACE	
	SPARE	9		20		X				10	SPACE	
	SPARE	11		15			X	20	120	12	RECEPT: COUNTER	
	SPARE	13		15	X					14	SPACE	
	SPARE	15		15		X		15	750	16	HEATING: SHOWER RM CC340	
	RANGE HOOD FAN AND LIGHT: TPS	17	100	15			X	2-P	750	18	HEATING: SHOWER RM CC340	
	SPARE	19		15	X					20	SPACE	
	SPARE	21		15		X				22	SPACE	
	RECEPT: GENERAL PURPOSE	23	120	15			X	20	500	24	RECEPT: MICROWAVE SHELF	

FEEDER: — SOURCE: FED FROM PANEL 1190

Remarks:
1 RECESSED PANEL COMPLETE WITH DOOR

Phase A Total	4000 W	33.3 A
Phase B Total	4750 W	39.6 A
Phase C Total	2430 W	20.3 A
TOTAL	11180 W	31.1 A

PANEL 3190

Power: 600/347 V 3 ø 4 W — # OF CKTS.: 30 — INCOMING:
LOCATION INVENTORY CC110
SYM. IC.: 14000 A — MAINS: 225 A — MAIN BKR: 200 A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
	TELECOM BUILDING ELEVATOR	1	7634	60	X					2	SPACE	
	TELECOM BUILDING ELEVATOR	3	7634	3-P		X				4	SPACE	
	TELECOM BUILDING ELEVATOR	5	7634	----			X			6	SPACE	
	TRANSFORMER T-1301 (75KVA)	7	25000	90	X					8	SPACE	
	TRANSFORMER T-1301 (75KVA)	9	25000	3-P		X				10	SPACE	
	TRANSFORMER T-1301 (75KVA)	11	25000	-----			X			12	SPACE	
	SPARE	13			X					14	SPACE	
	SPARE	15				X				16	SPACE	
	SPARE	17					X			18	SPACE	
	SPARE	19			X					20	SPACE	
	SPARE	21				X				22	SPACE	
	SPARE	23					X			24	SPACE	
	SPARE	25			X					26	SPACE	
	SPARE	27				X				28	SPACE	
	SPARE	29					X			30	SPACE	

FEEDER: — SOURCE: MER SWITCHBOARD

Remarks:

Phase A Total	32634 W	94.0 A
Phase B Total	32634 W	94.0 A
Phase C Total	32634 W	94.0 A
TOTAL	97902 W	94.3 A

PANEL ETC3

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 12 — INCOMING: BOTTOM
LOCATION MCTS CC302
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: 40 A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
2	MCTS CONSOLE #1	1	750	15	X			15	100	2	RECEPT: MCTS PRINTER STATION (NORTH)	2
2	MCTS CONSOLE #1	3	750	15		X		15	100	4	RECEPT: MCTS PRINTER STATION (SOUTH)	2
2	MCTS CONSOLE #2	5	750	15			X			6	SPACE	
2	MCTS CONSOLE #2	7	750	15	X					8	SPACE	
2	MCTS CONSOLE #3	9	750	15		X				10	SPACE	
2	MCTS CONSOLE #3	11	750	15			X			12	SPACE	

FEEDER: — SOURCE: FED FROM MCTS EMERGENCY PANEL ETC1

Remarks:
1 RECESSED PANEL COMPLETE WITH DOOR
2 INSTALL DEDICATED NEUTRALS FOR BRANCH CIRCUITS.

Phase A Total	1600 W	13.3 A
Phase B Total	1600 W	13.3 A
Phase C Total	1500 W	12.5 A
TOTAL	4700 W	13.1 A

PANEL E1105

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 30 — INCOMING:
LOCATION CC175
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: 60 A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
	AIR CONDITIONER CRAC1-OU (OUTSIDE)	1	210	15A	X					2	SPACE	
	AIR CONDITIONER CRAC1-OU (OUTSIDE)	3	210	3-P		X				4	SPACE	
	AIR CONDITIONER CRAC1-OU (OUTSIDE)	5	210	----			X			6	SPACE	
	AIR CONDITIONER CRAC2-OU (OUTSIDE)	7	210	15A	X					8	SPACE	
	AIR CONDITIONER CRAC2-OU (OUTSIDE)	9	210	3-P		X				10	SPACE	
	AIR CONDITIONER CRAC2-OU (OUTSIDE)	11	210	----			X			12	SPACE	
	AIR CONDITIONER CRAC3-OU (OUTSIDE)	13	210	15A	X					14	SPACE	
	AIR CONDITIONER CRAC3-OU (OUTSIDE)	15	210	3-P		X				16	SPACE	
	AIR CONDITIONER CRAC3-OU (OUTSIDE)	17	210	----			X			18	SPACE	
	SPARE	19		15A	X					20	SPACE	
	SPARE	21		3-P		X				22	SPACE	
	SPARE	23		----			X			24	SPACE	
	AIR CONDITIONER CRAC3-OU (OUTSIDE) HEATER	25	300	15A	X					26	SPACE	
	AIR CONDITIONER CRAC1-OU (OUTSIDE) HEATER	27	300	15A		X				28	SPACE	
	AIR CONDITIONER CRAC2-OU (OUTSIDE) HEATER	29	300	15A			X			30	SPACE	

FEEDER: — SOURCE: FED FROM E3106 VIA 75kVA TRANSFORMER

Remarks:

Phase A Total	930 W	7.8 A
Phase B Total	930 W	7.8 A
Phase C Total	930 W	7.8 A
TOTAL	2790 W	7.8 A

PANEL UPS2

Power: 120/208 V 3 ø 4 W — # OF CKTS.: 12 — INCOMING: BOTTOM
LOCATION MCTS CC302
SYM. IC.: 10000 A — MAINS: 100 A — MAIN BKR: 40 A

Remarks	Designation	CKT #	Watts	BKR	a	b	c	BKR	Watts	CKT#	Designation	Remarks
2	MCTS CONSOLE #1	1	750	15	X					2	SPACE	
2	MCTS CONSOLE #2	3	750	15		X				4	SPACE	
2	MCTS CONSOLE #3	5	750	15			X			6	SPACE	
	SPARE	7		15	X					8	SPACE	
	SPARE	9		15		X				10	SPACE	
	SPARE	11		15			X			12	SPACE	

FEEDER: — SOURCE: FED FROM MCTS UPS PANEL UPS1

Remarks:
1 RECESSED PANEL COMPLETE WITH DOOR
2 INSTALL DEDICATED NEUTRALS FOR BRANCH CIRCUITS

Phase A Total	750 W	6.3 A
Phase B Total	750 W	6.3 A
Phase C Total	750 W	6.3 A
TOTAL	2250 W	6.3 A

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