

EXISTING ELECTRICAL PANELBOARD SCHEDULE																		
EXISTING PANEL PP-3A				VOLTAGE 120/208V		PHASE/WIRE 3/4			MAIN 200A MCB (EXISTING)		IC RATING EXISTING kA lsc							
MOUNT SURFACE				ENTRY TOP		NEUTRAL AND GROUND BUS			LOCATION ----									
HTG KVA	MTR KVA	RCPT KVA	LTG KVA	DESCRIPTION	BREAKER AMP	POLE	CCT NO	PHASE			CCT NO	BREAKER AMP	POLE	DESCRIPTION	LTG KVA	RCPT KVA	MTR KVA	HTG KVA
								A	B	C								
15.34				EXISTING RTU-1, ROOF TOP UNIT (ROOF)	50	3	1				2			(2) RELOCATED ELECTRIC BASEBOARD HEATERS (2 EBB-2 WAITING AREA)				3.00
				EBB-2, NEW ELECTRIC BASEBOARD HEATER (ENTRY LOBBY 01)	20	2	3				4			(3) EXISTING ELECTRIC BASEBOARD HEATERS (3 EBB-1, WAITING, STORAGE & COMMUNITY AREA)				1.35
1.50				EXISTING ELECTRIC BASEBOARD HEATERS (EBB-2, COMMUNITY AREA)			5				6			EXISTING ELECTRIC BASEBOARD HEATERS (EBB-2, COMMUNITY AREA)				1.50
				SPACE			7				8							
				REF-1, NEW EXHAUST FAN (ROOF)			9				10							
9.43				EXISTING RTU-3, ROOF TOP UNIT (ROOF)	30	3	11				12			REF-3, NEW EXHAUST FAN (ROOF)				1.92
				EXISTING ACCU-1, AIR COOLED CONDENSING UNIT (ROOF)			13				14			REF-4 EXISTING EXHAUST MAIL ROOM				0.70
				EXISTING FC-1 LOBBY	20	1	15				16			GEF-4 EXISTING EXHAUST MAIL ROOM				0.46
5.20				EXISTING ROOF POWER	20	1	17				18			EXISTING POWER DOOR ENTRY				0.18
	0.20			EXISTING FC-1 LOBBY	20	1	19				20			SECURITY DESK EXISTING ELECTRIC BASEBOARD HEATERS				3.33
				SPARE	20	1	21				22			JUNCTION BOX FOR FOUNTAIN PUMP				0.10
				SPARE	20	1	23				24			SPARE				
				EXISTING RTU-2, ROOF TOP UNIT (ROOF)	50	3	25				26			SPARE				
				EXISTING HWP-1 HVAC PUMP	20	1	27				28			SPARE				
1.66				REF-2, NEW EXHAUST FAN	25	1	29				30			SPARE				
	0.20			EXISTING ROOF POWER	20	1	31				32			SPARE				
44.54	0.40			TOTAL CONNECTED KVA (COOLING)			33				34			SPARE				
1.50	3.30	0.40		TOTAL CONNECTED KVA (HEATING)			35				36			SPARE				
				TOTAL CONNECTED AMPS (COOLING)			37				38			SPARE				
				TOTAL CONNECTED AMPS (HEATING)			39				40			SPARE				
				TOTAL CONNECTED AMPS (TOTAL)			41				42			SPARE				
				TOTAL CONNECTED AMPS (TOTAL)														

GF1 - GROUND FAULT INTERRUPTER

EXISTING ELECTRICAL PANELBOARD SCHEDULE																		
EXISTING PANEL LP-E				VOLTAGE 120/208V		PHASE/WIRE 3/4			MAIN 200A MCB (EXISTING)		IC RATING EXISTING kA lsc							
MOUNT SURFACE				ENTRY TOP		NEUTRAL AND GROUND BUS			LOCATION ----									
HTG KVA	MTR KVA	RCPT KVA	LTG KVA	DESCRIPTION	BREAKER AMP	POLE	CCT NO	PHASE			CCT NO	BREAKER AMP	POLE	DESCRIPTION	LTG KVA	RCPT KVA	MTR KVA	HTG KVA
								A	B	C								
0.40				COMMUNITY RM. 11 - DUPLEX RECEPTACLE (TV)	20	1	1				2			(4)A,(19)B,(6)C,(5)H,(3)J,(5)R,(4)EMB (RMS. 11-13)	0.80			
0.90				COMMUNITY RM. 11 - (5) DUPLEX RECEPTACLES	20	1	3				4			B, (4)C, (9)D, (2)L, (7)M, (3)M24, (5)EMB LIGHTING	0.90			
0.72				CAFE 12 - (4) DUPLEX RECEPTACLES	20	1	5				6			(8)ELECTRIC DOOR STRIKE, (2)TIMER BOX	0.30			
0.90				OFFICE 14, CORR. 19 - (5) DUPLEX RECEPTACLES	20	1	7				8			JUNCTION BOX (FIREPLACE - WAITING 07)	0.60			
0.60				EXISTING IT SERVER RECEPTACLE	20	1	9				10			EXISTING CURVE ENTRANCE LIGHTS (TC)	0.50			
0.60				EXISTING IT SERVER RECEPTACLE	20	1	11				12			EXISTING LOAD				
0.60				ENTRY LOBBY 01 - MOTORIZED SLIDING DOOR	20	1	13				14			OFFICE 17, CONFERENCE 18 - (5)DUPLEX RECEPT.	0.90			
0.90				WAITING 07, HUDDLE 10-(5) DUPLEX RECEPTACLES	20	1	15				16			COPY 16 - (3) DUPLEX RECEPTACLES	0.54			
1.20				WP JUNCTION BOX FOR ROOF DRAIN HEAT TRACING	20GFI	1	17				18			SPARE				
				COPY 16 - DUPLEX RECEPTACLE (COPIER)	20	1	19				20			OFFICE 15, CORR. 21 - (5) DUPLEX RECEPTACLES	0.90			
0.60				FITNESS 13 - DUPLEX RECEPTACLE/TV	20	1	21				22			CAFE 12 - JUNCTION BOX (DISHWASHER)	1.20			
0.72				FITNESS 13 - (4) DUPLEX RECEPTACLES	20	1	23				24			EXISTING TAXI LIGHT	0.20			
0.72				FITNESS 13 - (4) DUPLEX RECEPTACLES	20	1	25				26			EXISTING OUTSIDE SIGN (TC)	1.20			
1.20				CAFE 12 - DUPLEX RECEPTACLE (MICROWAVE)	20	1	27				28			EXISTING OUTSIDE SIGN	1.20			
0.60				CAFE 12 - DUPLEX RECEPTACLE (REFRIGERATOR)	20	1	29				30			EXISTING OUTSIDE SIGN	1.20			
0.60				(8)A,(2)B,M,(6)O,P,(10)Q,EMB LTG. (ENTRY LOBBY)	20	1	31				32			COFFEE 06 - GFI QUADRUPLX RECEPTACLE	1.20			
0.70				(17)B, (4)C, (5)K, (6)G, (6)R, (2)EMB, X LIGHTING	20	1	33				34			COFFEE 06-GFI DUPLEX RECEPTACLE (L.C. FRIDGE)	0.40			
0.54				ENTRY LOBBY 01 - (3) DUPLEX RECEPTACLES	20	1	35				36			TOILET 22, 23 - (2) GFI DUPLEX RECEPTACLES	0.36			
1.20				JUNCTION BOX FOR ROOF DRAIN HEAT TRACING	20GFI	1	37				38			ENGINEER SHOP 25 - (4)DUPLEX RECEPTACLES	0.72			
0.18				CAFE 12 - DUPLEX RECEPTACLE (GAS OVEN)	20	1	39				40			ENGINEER SHOP 25 - (3)DUPLEX RECEPTACLES	0.54			
0.60				(7)A, (9)B, F, M, (7)R, S LIGHTING (RMS. 06-10)	20	1	41				42			SPARE				
2.40	0.60	10.78	1.90	TOTAL CONNECTED KVA (COOLING)										TOTAL CONNECTED KVA (HEATING)	4.80			
				TOTAL CONNECTED KVA (TOTAL)										TOTAL CONNECTED KVA (TOTAL)	7.66			
				TOTAL CONNECTED AMPS (COOLING)										TOTAL CONNECTED AMPS (HEATING)				
				TOTAL CONNECTED AMPS (TOTAL)										TOTAL CONNECTED AMPS (TOTAL)				

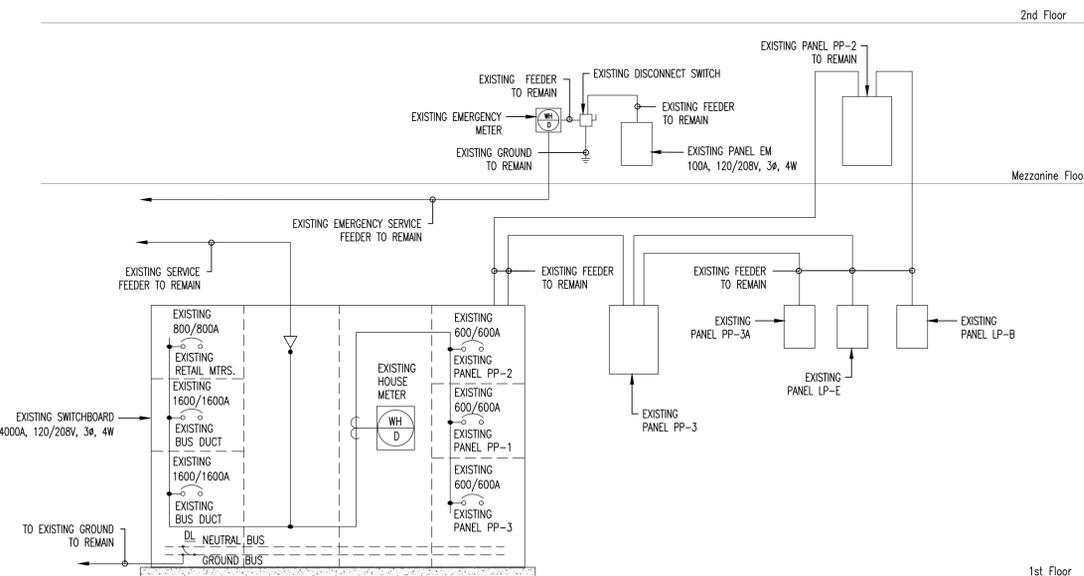
GF1 - GROUND FAULT INTERRUPTER

ONE-LINE RISER DIAGRAM NOTES:

- ALL SHUTDOWNS SHALL BE PRE-SCHEDULED NOT LESS THAN (3) DAYS IN ADVANCE OF THE SCHEDULED OUTAGE. PROVIDE SCHEDULE INDICATING DATE-TIME, MANPOWER, DURATION OF OUTAGE TO OWNER. WORK SHALL NOT COMMENCE WITHOUT WRITTEN CONFIRMATION FROM THE OWNER. ALL SHUTDOWNS SHALL BE ARRANGED AT THE CONVENIENCE OF OWNER DURING OFF-HOUR TIME PERIODS, WEEKENDS AS NECESSARY. INCLUDE ALL PREMIUM AND OVERTIME IN BID PROPOSAL FOR ALL SHUTDOWNS AND MAINTAINING CONTINUITY OF SERVICE AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND SERVICES IN ORDER TO CORE THROUGH ALL EXISTING WALLS OR FLOORS AS REQUIRED INCLUDING BUT NOT LIMITED TO INSTALLING ALL NEW ELECTRICAL FEEDER CONDUITS AND ALL NEW BRANCH CIRCUIT CONDUITS AS REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH APPLICABLE TRADES. PROVIDE CONDUIT SEALING BUSHINGS.
- EXISTING ONE LINE RISER DIAGRAM INDICATED IS BASED ON EXISTING DRAWINGS AND VISUAL OBSERVATIONS. THIS ONE-LINE DIAGRAM MAY NOT REFLECT ALL ELECTRICAL COMPONENTS (I.E. FEEDERS, EQUIPMENT, ETC.) CONTRACTOR SHALL FIELD VERIFY ALL BRANCH CIRCUITS AND FEEDERS AS REQUIRED.

NOTES APPLICABLE TO ALL EXISTING PANELS:

- FASTEN ENCLOSURES FIRMLY TO WALLS AND STRUCTURAL SURFACES, ENSURING THEY ARE PERMANENTLY AND MECHANICALLY ANCHORED.
- TIGHTEN CONNECTORS AND TERMINALS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES.
- PRIOR TO ENERGIZATION OF BRANCH CIRCUITS, CHECK PHASE-TO-PHASE AND PHASE-TO-GROUND INSULATION RESISTANCE LEVELS.
- PRIOR TO ENERGIZATION, CHECK PANELBOARDS FOR ELECTRICAL CONTINUITY OF CIRCUITS AND FOR SHORT-CIRCUITS.
- ALL PANELBOARDS SHALL HAVE TYPED CIRCUIT SCHEDULE INSTALLED INSIDE COVER OF EACH PANELBOARD. SCHEDULE SHALL BE COVERED WITH CLEAR PLASTIC AND SHALL INCLUDE DESCRIPTION OF CONNECTED LOADS, ROOM NUMBERS, ROOM NAME, AREA, OR EQUIPMENT SERVED FOR EACH BRANCH CIRCUIT (i.e.: ELEVATOR PIT PUMP).
- LABEL SPARE CIRCUITS AS "SPARE".
- ROOM NAMES USED SHALL BE THOSE USED BY OWNER EXCEPT AS OTHERWISE DIRECTED BY ARCHITECT.
- LEAVE SPARE BREAKERS IN OFF POSITION.
- PRIOR TO FINAL INSPECTION CLEAN PANELBOARD INTERIORS, ADJUST TRIMS, COVERS, HINGES AND LOCKS AND REFINISH MARRED OR SCRATCHED COVERS TO ORIGINAL CONDITION.
- BALANCE LOAD ON PANELBOARDS SO PHASES ARE BALANCED TO 10% OF EACH OTHER. RECONNECT OR REDISTRIBUTE CIRCUITS AND/OR CIRCUIT BREAKERS TO ACHIEVE BALANCED CONDITION.
- REMOVE ALL FOREIGN MATERIAL FROM THE PANELBOARD AND CABINET BEFORE INSTALLING THE CABINET FRONT. MAKE CERTAIN THAT ALL DEADFRONT SHIELDS ARE PROPERLY ALIGNED AND TIGHTENED.
- DISTRIBUTE AND ARRANGE CONDUCTORS NEATLY IN THE WIRING GUTTERS.



EXISTING PARTIAL ONE-LINE DIAGRAM-120/208V -3Ø, 4W
SCALE: N T S

EXISTING ELECTRICAL PANELBOARD SCHEDULE

EXISTING PANEL PP-3																		
VOLTAGE 120/208V				PHASE/WIRE 3/4			MAIN 600A MLO (EXISTING)		IC RATING EXISTING kA lsc									
MOUNT SURFACE				ENTRY TOP		NEUTRAL AND GROUND BUS			LOCATION ELECTRICAL RM.									
HTG KVA	MTR KVA	RCPT KVA	LTG KVA	DESCRIPTION	BREAKER AMP	POLE	CCT NO	PHASE			CCT NO	BREAKER AMP	POLE	DESCRIPTION	LTG KVA	RCPT KVA	MTR KVA	HTG KVA
								A	B	C								
2.40	0.60	18.44	6.70	EXISTING PANEL LP-E	200	3	1				2			EXISTING PANEL PP-3A				0.58
				SPARE	200	3	3				4			SPARE				
				TOTAL CONNECTED KVA (COOLING)														
				TOTAL CONNECTED KVA (HEATING)														
				TOTAL CONNECTED KVA (TOTAL)														
				TOTAL CONNECTED AMPS (COOLING)														
				TOTAL CONNECTED AMPS (HEATING)														

EXISTING ELECTRICAL PANELBOARD SCHEDULE

EXISTING PANEL LP-B																		
VOLTAGE 120/208V				PHASE/WIRE 3/4			MAIN 200A M.L.O. (EXISTING)		IC RATING EXISTING kA lsc									
MOUNT SURFACE				ENTRY EXISTING		NEUTRAL AND GROUND BUS			LOCATION 1ST FLOOR									
HTG KVA	MTR KVA	RCPT KVA	LTG KVA	DESCRIPTION	BREAKER AMP	POLE	CCT NO	PHASE			CCT NO	BREAKER AMP	POLE	DESCRIPTION	LTG KVA	RCPT KVA	MTR KVA	HTG KVA
								A	B	C								
				EXISTING	15	1	1				2			EXISTING INTERCOM				
				EXISTING	15	1	3				4			EXISTING				
				EXISTING WALL PLUGS 13-2	15	1	5				6			EXISTING				
				EXISTING HALL LIGHTS	15	1	7				8			EXISTING				
				EXISTING	15	1	9				10			EXISTING IGHITS				
				EXISTING WALL PLUGS 26-14	15	1	11				12			EXISTING				
				EXISTING HALL LIGHTS	15	1	13				14			EXISTING FRONT OFFICE LIGHTS				
				EXISTING HALL WAY	15	1	15				16			EXISTING LOBBY LIGHT				
				EXISTING	15	1	17				18			EXISTING				
				EXISTING	15	1	19				20			EXISTING GARBAGE ROOM				
				EXISTING HALL LIGHTS	15	1	21				22			EXISTING COMPACTOR ROOM				
				EXISTING	15	1	23				24			EXISTING				
				EXISTING	15	1	25				26			EXISTING				