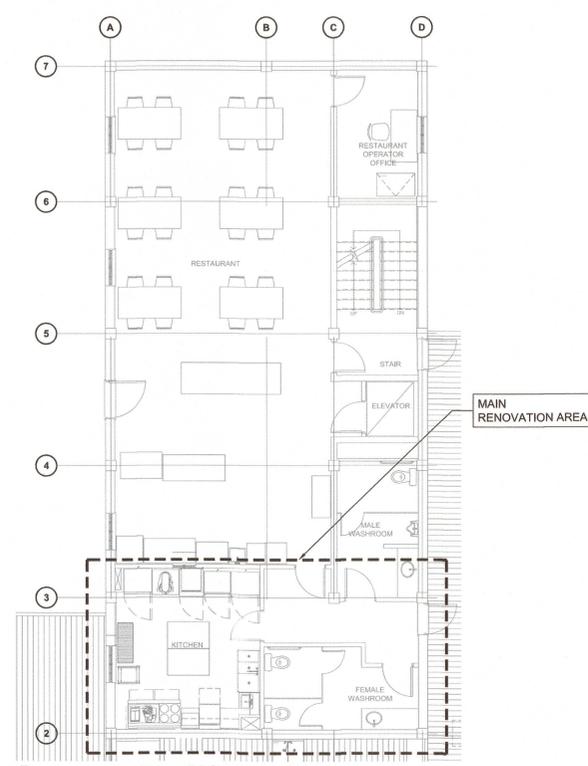


EXISTING CEILING IN THIS AREA WILL BE REMOVED AND REINSTALLED. REMOVE AND REINSTALL SURFACE MOUNTED LIGHTING FIXTURES AS FOLLOWS:
 1 IN JANITOR ROOM
 1 IN MEN'S WASHROOM
 2 IN CORRIDOR.

- EXISTING 120/208V PANEL B.
- NEW PANEL 'K' ON FLOOR ABOVE
- FEEDER TO PANEL 'K' IN CEILING SPACE ON THIS FLOOR AND RISER UP TO PANEL ON FLOOR ABOVE.
- EXISTING FIRE ALARM CONTROL PANEL. SEE DETAILS ON DWG.E04
- INSTALL 3P-250A BREAKER AND FEEDER FOR PANEL 'K' IN EXISTING MAIN DISTRIBUTION CENTRE. REMOVE EXISTING 100A FEEDER.

P1 OPERATIONS BUILDING EXISTING BASEMENT PLAN
 SCALE: 1:100
 E-01



P2 OPERATIONS BUILDING GROUND FLOOR KEY PLAN
 SCALE: 1:100
 E-01

LIGHTING LEGEND	
X	SUSPENDED CEILING MOUNTED FIXTURE (LETTER INDICATES TYPE)
⊠	RECESSED CEILING MOUNTED FIXTURE (LETTER INDICATES TYPE)
X/24 HR	LIGHTING FIXTURE CONNECTED TO BUILDING EMERGENCY POWER. CONNECT TO 24HR CIRCUIT WHERE INDICATED.
⊠	WALL MOUNTED FIXTURE (LETTER INDICATES TYPE)
⊠	CEILING MOUNTED FIXTURE (LETTER INDICATES TYPE)
⊠	EMERGENCY LIGHTING HEADS
⊠	EMERGENCY BATTERY PACK C/W LIGHT HEADS
⊠	EXIT LIGHT, DIRECTIONAL WHEN SHOWN WITH ARROWS
⊠	LED EXIT SIGN/ EMERGENCY HEAD COMBINATION
⊠	LIGHTING CONTROL DEVICE: OCCUPANCY SENSOR, VACANCY SENSOR, PROGRAMMABLE TIME SWITCH, DIMMER (0-10V), LOW VOLTAGE SWITCH, THREE-WAY SWITCH, CONTROL/RELAY
⊠	MOTOR CONTROL SWITCH
POWER LEGEND	
⊠	DUPLEX RECEPTACLE
⊠	CONTROLLED RECEPTACLE
⊠	QUAD RECEPTACLE
⊠	3 POLE RECEPTACLE (RATING)
⊠	2 POLE RECEPTACLE (RATING)
⊠	EQUIPMENT CONNECTION
⊠	MOTOR
⊠	MOTOR DISCONNECT SWITCH
⊠	MOTOR LABEL
⊠	ELECTRICAL PANEL
COMMUNICATIONS LEGEND	
⊠	COMMUNICATIONS OUTLET 1V/1D-DIGITS INDICATE NO. OF VOICE AND DATA CABLES AND/OR PORTS.
⊠	MONITOR, CATV, COMP CONNECTION-COAX.
⊠	EXISTING DATA OUTLET
FIRE ALARM LEGEND	
⊠	MANUAL PULL STATION
⊠	BELL
⊠	STROBE LIGHT
⊠	SMOKE DETECTOR
⊠	HEAT DETECTOR
⊠	MAGNETIC DOOR HOLDER
⊠	FIRE ALARM ANNUNCIATOR
⊠	FIRE ALARM CONTROL PANEL
SECURITY LEGEND	
⊠	CARD READER
⊠	ELECTRIC LOCK
⊠	CAMERA
⊠	KEYPAD
⊠	HORN
⊠	WINDOW CONTACT
⊠	DOOR CONTACT
⊠	HANDICAPPED DOOR OPERATOR
⊠	PUSH BUTTON
⊠	MOTION DETECTOR
ANNOTATIONS	
GFI	GROUND FAULT INTERRUPTING DEVICE
AF	ARC FAULT INTERRUPTING DEVICE
30A	AMP RATING OF DEVICE
WP	WEATHERPROOF DEVICE
FR	FRIDGE RECEPTACLE
DW	DISHWASHER RECEPTACLE PROVIDE DEDICATED CIRCUIT
MW	MICROWAVE RECEPTACLE PROVIDE DEDICATED CIRCUIT
+48"	DEVICE MOUNTING HEIGHT ABOVE FLOOR
---	DASHED LINE INDICATES EXISTING DEVICES

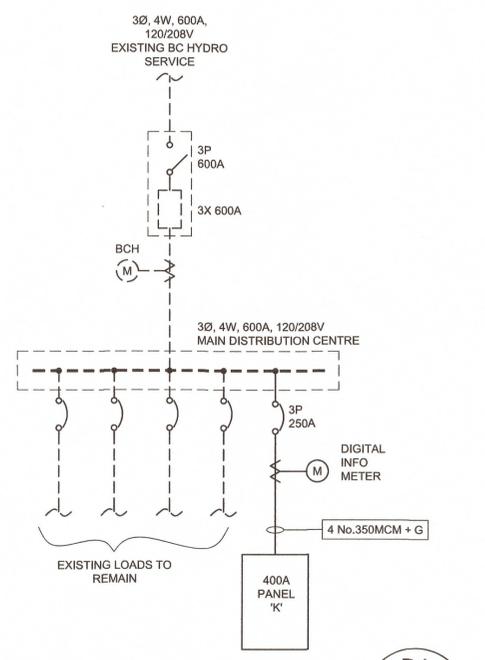
DRAWING LIST

- E1 - KEY PLANS AND SINGLE LINE DIAGRAM
- E2 - KITCHEN AND WASHROOMS ELECTRICAL AND LIGHTING PLANS
- E3 - EXIT SIGN UPGRADE PLANS
- E4 - POWER DISTRIBUTION AND MISCELLANEOUS DETAILS

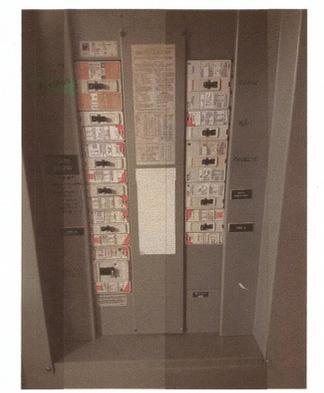
ELECTRICAL SERVICE CALCULATIONS

Load Name	Load Size (kW)
Existing Peak Demand	50.0
Additional Kitchen Equipment Load	65.0
Additional Mechanical Equipment Load	36.0
Total Load	151.0
Total Amps at 3ph, 4W, 120/208V	419.6
Existing Service (3ph, 4W, 120/208V)	600A

- NOTES:**
- DISTRIBUTION EQUIPMENT IS EXISTING EXCEPT AS NOTED BELOW.
 - INSTALL 3P-400A BREAKER AND FEEDER FOR PANEL 'K' IN MAIN DISTRIBUTION CENTRE.
 - INSTALL 3Ø, 4W, 400A, 120/208V, 60 CIRCUIT PANEL 'K' C/W BRANCH BREAKERS AND FEEDERS AS SHOWN ON PANEL SCHEDULE.
 - INSTALL DIGITAL METER (ION TYPE) ON PANEL 'K' FEEDER.
 - REMOVE 1Ø,70A FEEDER SUPPLYING EXISTING KITCHEN PANEL B2. PANEL B2 IS SUPPLIED FROM 120/208V PANEL B LOCATED IN CORRIDOR.
 - UPDATE LABELS ON EXISTING DISTRIBUTION PANEL WITH NEW LAMICOID TYPE.
 - POWER SHUT-DOWN OF MAIN DISTRIBUTION TO BE SCHEDULED FOR WEEKEND WORK.



D1 SINGLE LINE DIAGRAM
 E-01



EXISTING FEDERAL PIONEER DIST. PANEL

PROFESSIONAL ENGINEER
 J. F. FERNANDEZ
 # 33531
 NOV 29 2017

