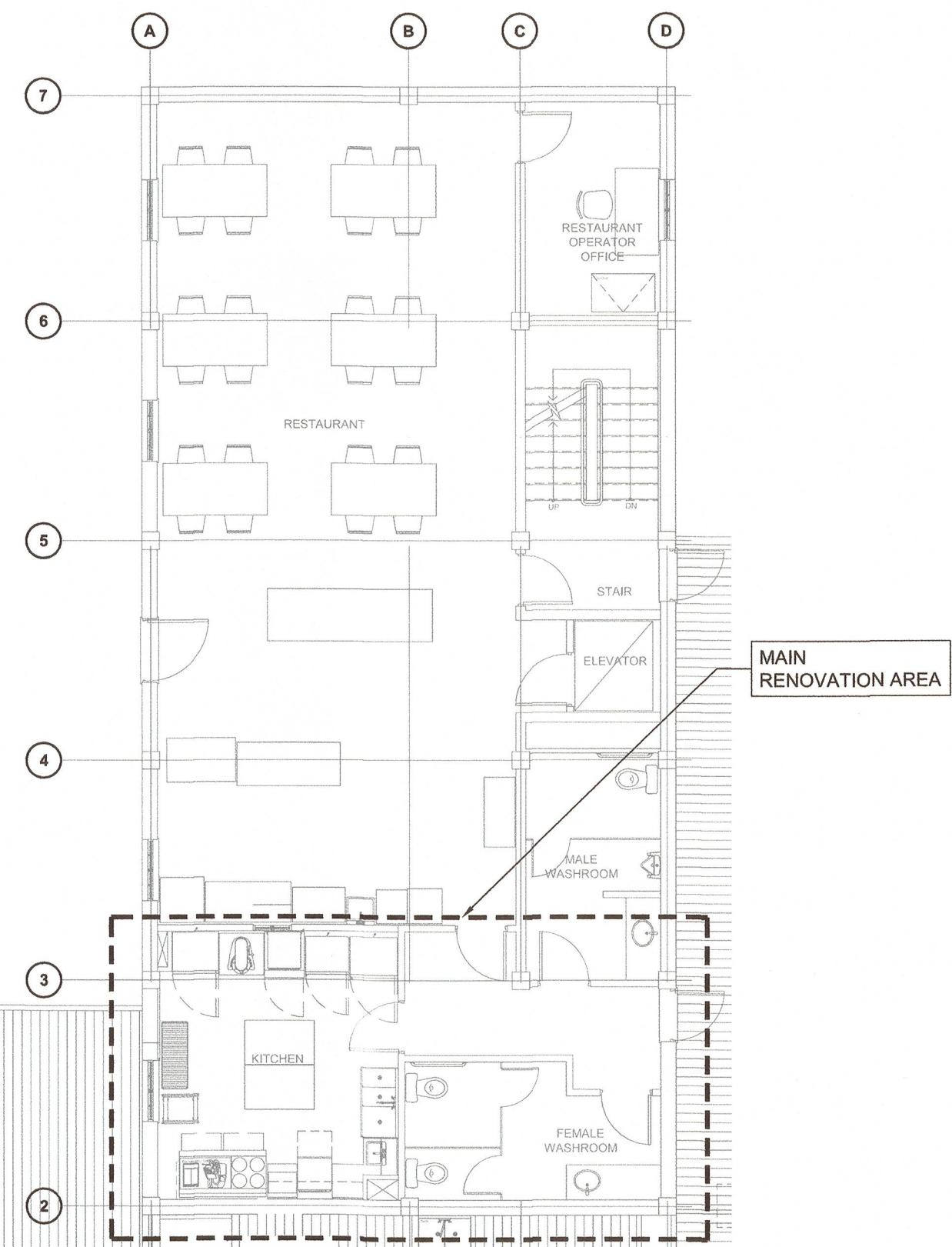


P1  
E-01  
OPERATIONS BUILDING  
EXISTING BASEMENT PLAN  
SCALE: 1:100



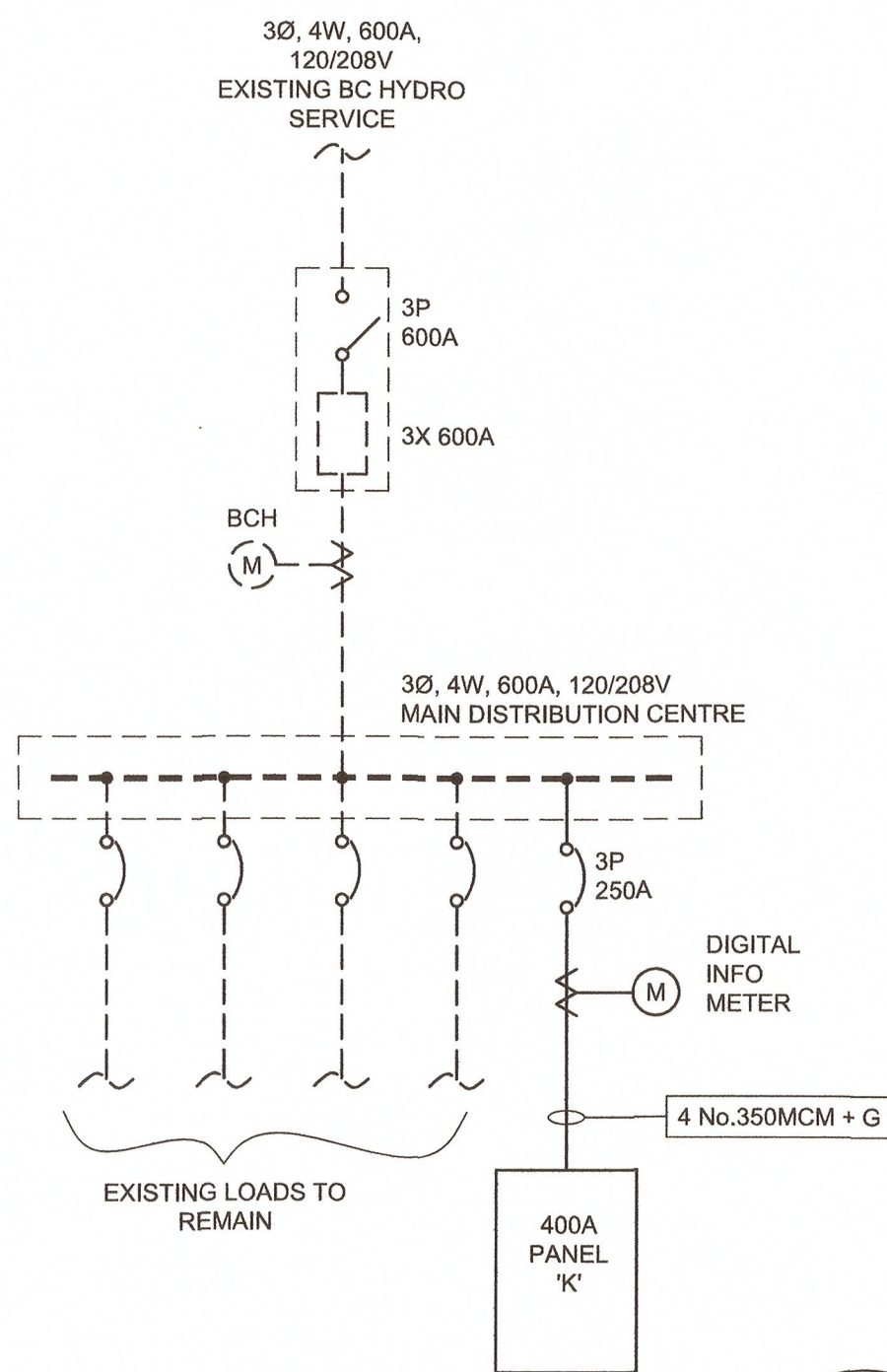
P2  
E-01  
OPERATIONS BUILDING  
GROUND FLOOR KEY PLAN  
SCALE: 1:100

LIGHTING LEGEND	
X	SUSPENDED CEILING MOUNTED FIXTURE (LETTER INDICATES TYPE)
X	RECESSED CEILING MOUNTED FIXTURE (LETTER INDICATES TYPE)
X 24 HR	LIGHTING FIXTURE CONNECTED TO BUILDING EMERGENCY POWER. CONNECT TO 24HR CIRCUIT WHERE INDICATED.
X	WALL MOUNTED FIXTURE (LETTER INDICATES TYPE)
X	CEILING MOUNTED FIXTURE (LETTER INDICATES TYPE)
X	EMERGENCY LIGHTING HEADS
X	EMERGENCY BATTERY PACK C/W LIGHT HEADS
X	EXIT LIGHT, DIRECTIONAL WHEN SHOWN WITH ARROWS
X	LED EXIT SIGN/ EMERGENCY HEAD COMBINATION
X	LIGHTING CONTROL DEVICE: OCCUPANCY SENSOR VACANCY SENSOR PROGRAMMABLE TIME SWITCH DIMMER (0-10V) LOW VOLTAGE SWITCH THREE-WAY SWITCH CONTROL/RELAY
X	MOTOR CONTROL SWITCH
POWER LEGEND	
X	DUPLEX RECEPTACLE
X	CONTROLLED RECEPTACLE
X	QUAD RECEPTACLE
X	3 POLE RECEPTACLE (RATING)
X	2 POLE RECEPTACLE (RATING)
X	EQUIPMENT CONNECTION
X	MOTOR
X	MOTOR DISCONNECT SWITCH
X	MOTOR LABEL
X	ELECTRICAL PANEL
COMMUNICATIONS LEGEND	
X	COMMUNICATIONS OUTLET 1V/1D-DIGITS INDICATE NO. OF VOICE AND DATA CABLES AND/OR PORTS.
X	MONITOR, CATV, COMP CONNECTION-COAX.
X	EXISTING DATA OUTLET
FIRE ALARM LEGEND	
X	MANUAL PULL STATION
X	BELL
X	STROBE LIGHT
X	SMOKE DETECTOR
X	HEAT DETECTOR
X	MAGNETIC DOOR HOLDER
X	FIRE ALARM ANNUNCIATOR
X	FIRE ALARM CONTROL PANEL
SECURITY LEGEND	
X	CARD READER
X	ELECTRIC LOCK
X	CAMERA
X	KEYPAD
X	HORN
X	WINDOW CONTACT
X	DOOR CONTACT
X	HANDICAPPED DOOR OPERATOR
X	PUSH BUTTON
X	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

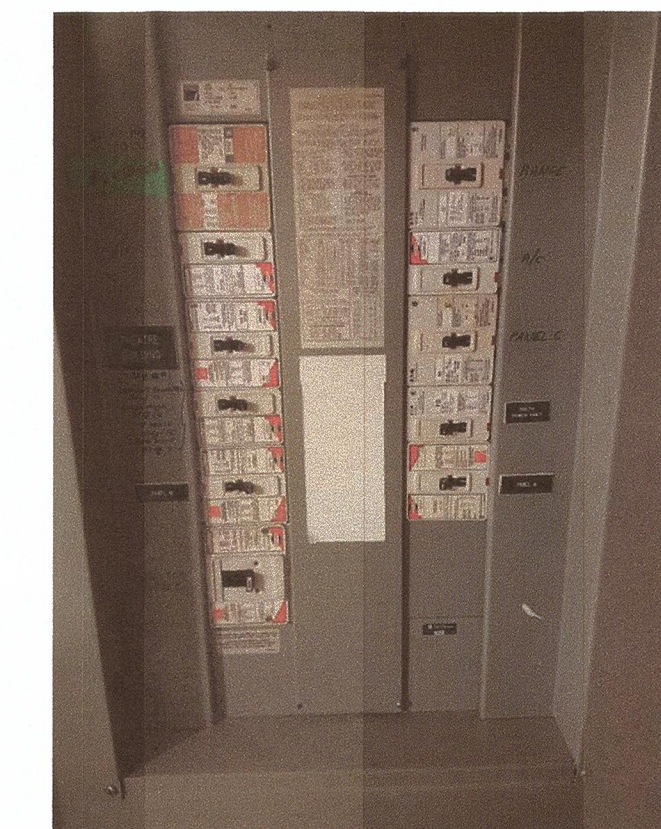
ELECTRICAL SERVICE CALCULATIONS	
Load Name	Load Size (kW)
Existing Peak Demand	50.0
Additional Kitchen Equipment Load	65.0
Additional Mechanical Equipment Load	36.0
Total Load	151.0
Total Amps at 3ph, 4W, 120/208V	419.6
Existing Service (3ph, 4W, 120/208V)	600A

#### 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  
E-01  
SINGLE LINE DIAGRAM



EXISTING FEDERAL PIONEER  
DIST. PANEL

#### 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



0	ISSUED FOR TENDER	2017/11/30
Revision/Revision	Description/Description	Date/Date

Client/client

#### PARKS CANADA

Project title/Titre du projet  
23433 Mavis Avenue  
Fort Langley , British Columbia

#### FORT LANGLEY NATIONAL HISTORIC PARK KITCHEN UPGRADE

Consultant Signature Only

Designed by/Concept par  
M.K.

Drawn by/Dessiné par  
W.E.

PWGC Project Manager/Administrateur de Projets TPSC  
TOM DUNPHY

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSC  
PREETIPAL PAUL

Drawing title/Titre du dessin

#### KEY PLANS AND SINGLE LINE DIAGRAM

Project No./No. du projet R.081108.001	Sheet/Feuille E-01 OF 4	Revision no./La Révision no.
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