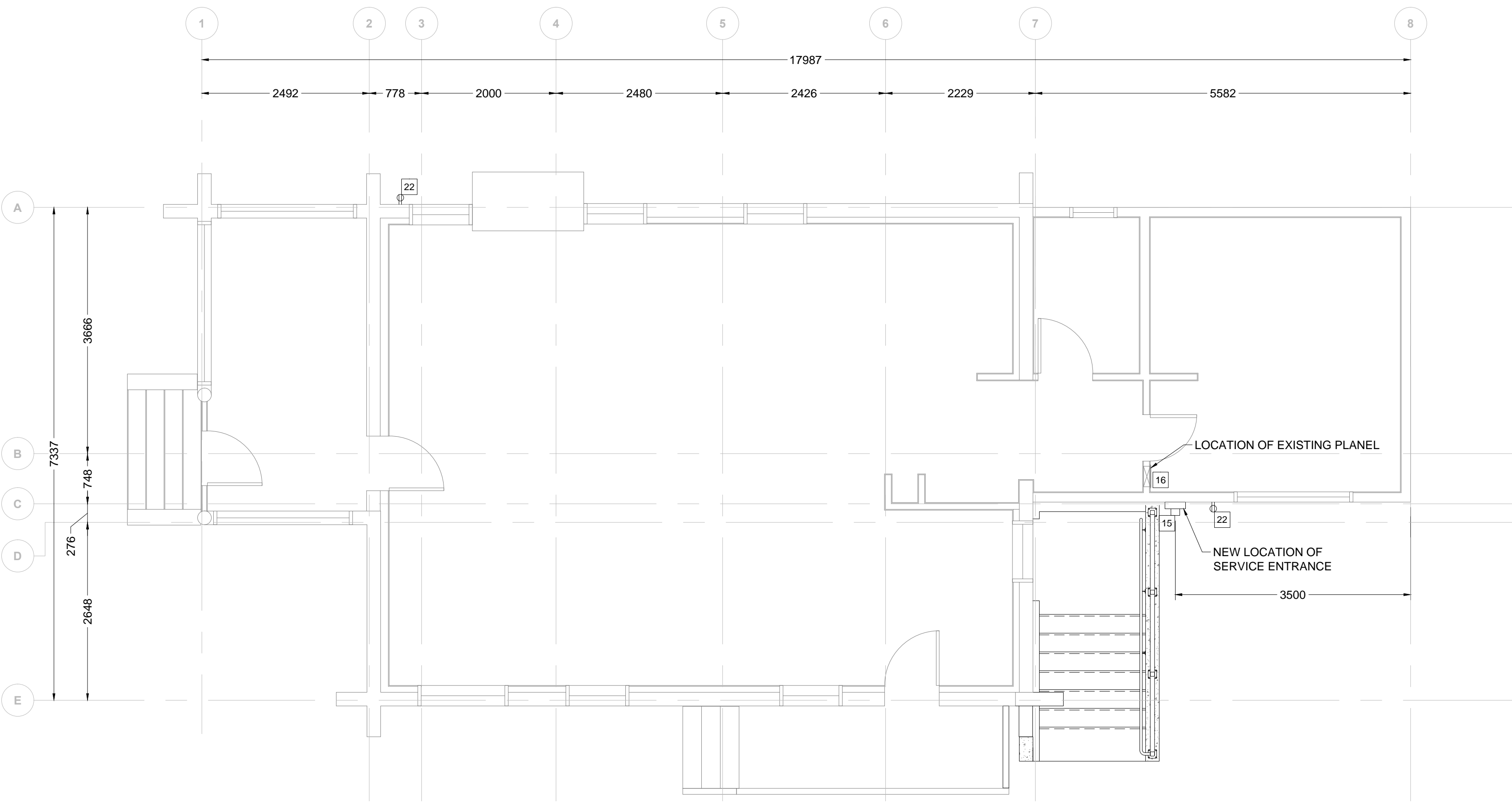


1 BASEMENT ELECTRICAL PLAN
E1 1:50



2 MAIN FLOOR ELECTRICAL PLAN
E1 1:50

LEGEND	
SYMBOL	DESCRIPTION
	HEAT DETECTOR
	LIGHT
	DUPLEX RECEPTACLE, 5-15R
	SPECIAL PURPOSE CONNECTION
	SWITCH
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM BELL WITH VISUAL SIGNAL
	DUAL HEAD EMERGENCY LIGHT AND BATTERY BANK
	DUAL HEAD REMOTE EMERGENCY LIGHT
	EXIT SIGN
	PANEL
	MANITOBA HYDRO METER
	NORMAL POWER CIRCUIT
	LOW VOLTAGE CIRCUIT

Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS

Région de l'ouest

Certificate of Authorization

Samson Engineering Inc.

No. 3050 Expiry: April 30, 2018

5		
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0	ISSUED FOR REVIEW	2018/01/31
Revision	Description	Date
Client		client

PARKS CANADA AGENCY

135 WASAGAMING DR.

Project title

WASAGAMING, MB

154 WASAGAMING DR.

Projet

FOUNDATION REPLACEMENT

Designed by

CQ

Conçu par

Drawn by

CQ

Dessiné par

Approved by

AN

Approuvé par

PWGC Project Manager

Administrateur de Projets TPSGC

Drawing title

Titre du dessin

ELECTRICAL PLANS

Project no./No. du projet

PRO 1272

Drawing no./No. du dessin

E1

Revision no.

0

OF 1

SAMSON

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NOTES:

1. ALL WORK TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE CANADIAN ELECTRICAL CODE, CSA 2462 ELECTRICAL SAFETY IN THE WORKPLACE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND LOCAL REGULATIONS.

2. REFER TO ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

3. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT ALL ELECTRICAL WORK IS DONE IN A SAFE MANNER.

KEY NOTES:

1. LOCATION OF NEW HEAT DETECTOR, REUSE EXISTING WHERE POSSIBLE. NEW HEAT DETECTORS SHALL BE COMPATIBLE WITH FIRE ALARM PANEL. FIRE ALARM PANEL IS GENERAL ELECTRIC FIRESHIELD PLUS.

2. LOCATION OF LIGHTING FIXTURE, REUSE EXISTING WHERE POSSIBLE. NEW FIXTURES SHALL BE SCREW-IN BASES SUITABLE FOR A19 STYLE BULBS COMPLETE WITH CLEAR PROTECTIVE GLOBE AND WIRE CAGE.

3. RECONNECT GEOTHERMAL UNIT CONNECTIONS. MINIMUM 3 CONDUCTOR #6 COPPER.

4. REINSTALL AND RECONNECT GEOTHERMAL UNIT PUMPS.

5. PROVIDE DEDICATED CEILING RECEPTACLE FOR HRV. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS.

6. PROVIDE RECEPTACLE FOR EMERGENCY LIGHTING, TIE INTO LIGHTING CIRCUIT FOR SPACE. REINSTALL EMERGENCY LIGHTING BATTERY BANK NEAR RECEPTACLE AND PLUG INTO RECEPTACLE. TEST AND ENSURE PROPER OPERATION OF EMERGENCY LIGHTING. ENSURE BATTERY PACK HAS SUFFICIENT CAPACITY TO POWER NEW INSTALLATIONS FOR MINIMUM 30 MINS. EXISTING BATTERY PACK IS LUMACELL RGC SERIES

7. PROVIDE DUAL REMOTE EMERGENCY HEAD TIED INTO EXISTING EMERGENCY LIGHTING BATTERY PACK. ENSURE HEAD IS COMPATIBLE WITH EXISTING BATTERY PACK.

8. PROVIDE DEDICATED GFCI RECEPTACLE FOR SUMP PUMP. REFER TO MECHANICAL DRAWINGS FOR MORE DETAILS.

9. REINSTALL DISCONNECTS FOR GEOTHERMAL UNIT EQUIPMENT. COORDINATE FINAL LOCATION WITH OTHER TRADES TO AVOID INTERFERENCE.

10. INSTALL DEDICATED MAINTENANCE RECEPTACLE.

11. REINSTALL FIRE ALARM BELL AND CONNECT WITH FIRE ALARM SYSTEM.

12. ENSURE UNIT IS RECONNECTED TO UNIT CONTROLS.

13. INSTALL FIRE ALARM PULL STATION. REUSE EXISTING WHERE POSSIBLE. TIE INTO FIRE ALARM SYSTEM PANEL.

14. INSTALL LIGHT SWITCH TO CONTROL BASEMENT LIGHTING. TIE INTO EXISTING CIRCUIT ON PANEL.

15. RELOCATED INCOMING SERVICE AS SHOWN AND RECONNECT AS PER MANITOBA HYDRO REQUIREMENTS.

16. TRACE CIRCUITS IN EXISTING PANEL. REMOVE AND BLANK OFF ANY UNUSED BREAKERS. REMOVE ANY UNUSED WIRING IN ITS ENTIRETY. UPDATE PANEL SCHEDULE TO BE CURRENT AFTER NEW INSTALLATIONS.

17. REINSTALL ELECTRICAL CONNECTION FOR HOT WATER TANK. COORDINATE FINAL LOCATION WITH OTHER TRADES TO AVOID INTERFERENCE.

18. REINSTALL AND RECONNECT DATA CABLING.

19. REINSTALL FIBRE CONNECTION IN ACCORDANCE WITH COMMUNICATIONS COMPANY REQUIREMENTS. RUN PVC CONDUIT AT UNDERSIDE OF JOISTS AND RECONNECT TO BUILDING COMMUNICATIONS SYSTEMS.

20. INSTALL NEW #4 COPPER GROUND WIRE FROM WATER SERVICE TO PANEL. ENSURE ALL EQUIPMENT THAT REQUIRES A GROUND WIRE THAT MAY NOT BE DIRECTLY TIED INTO THE PANEL IS PROPERLY GROUNDED, INCLUDING BUT NOT LIMITED TO COMMUNICATIONS AND FIRE ALARM.

21. INSTALL NEW EXIT SIGN ADJACENT TO DOOR AND AS HIGH AS PRACTICABLE. EXIT SIGN SHALL BE GREEN 'RUNNING MAN' STYLE, COMPATIBLE WITH BACK-UP POWER FROM EXISTING BATTERY BANK. ENSURE SIGN IS CONTINUOUSLY LUMINATED.

22. PROVIDE GFCI RECEPTACLE IN WEATHERPROOF RECEPTACLE ENCLOSURE.

23. INSTALL 8W/300mm HEAT TRACE AROUND ø100mm FLOOR DRAIN PIPE FROM DRAIN TO 300mm INSIDE BUILDING WALL (APPROXIMATELY 1500mm), PROVIDE 7620mm HEAT TRACE WIRE FOR INSTALLATION. WIRE INTO DEDICATED CIRCUIT IN ELECTRICAL PANEL.

0 10 20 30 40 50 60 70 80 90 100mm

PWGC - A1 - 841X594

01-Electrical