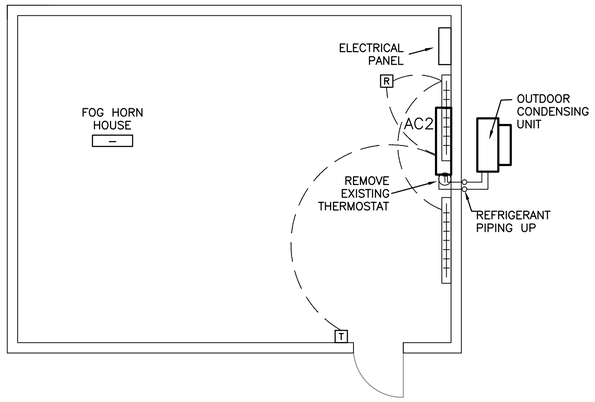
Fisheries and Oceans | Pêches et Océans

Real Property | Services Immobiliers

GREENING OF GOVERNMENT OPERATIONS
GREEN ISLAND LIGHTSTATION
GREEN ISLAND, TRINITY BAY
NEWFOUNDLAND AND LABRADOR

PROJECT NO. F6879-189204

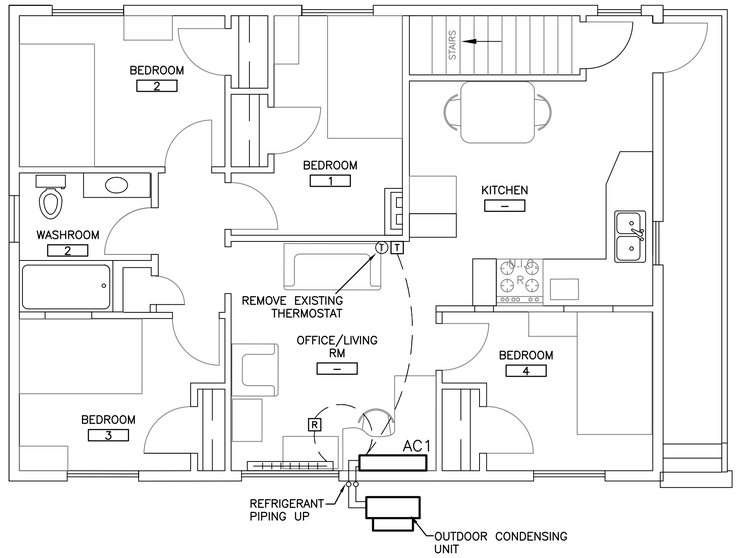
Canada



MECHANICAL – FOG HORN HOUSE BUILDING 3 ME2

SCALE: 1:50

0m 1m 2m 3m 4m 5m



MECHANICAL – MAIN BUILDING LEVEL 2 2 ME2

SCALE: 1:50

0m 1m 2m 3m 4m 5m

ELECTRICAL NOTES – MAIN BUILDING

1. SUPPLY AND INSTALL NEW 60 AMP, 2 POLE BREAKER AT CIRCUIT LOCATION 1,3 IN EXISTING MAIN PANEL IN MAIN BUILDING.
2. EXISTING MAIN PANEL IS A 200 AMP, SIEMENS EQ LOAD CENTER, LOCATED IN ELECTRICAL ROOM.
3. SUPPLY AND INSTALL A NEW 12 CIRCUIT, 100 AMP, 1 PHASE, 3W PANEL 'B' IN ELECTRICAL ROOM.
4. NEW PANEL SHALL CONTAIN THE FOLLOWING BREAKERS:
   - 4.1. ONE (1) 15 AMP, 2 POLE
   - 4.2. ONE (1) 20 AMP, 2 POLE
   - 4.3. SIX (6) 15 AMP, 1 POLE
5. PROVIDE FEEDER (6/3 NMD90) FROM NEW 60 AMP, 2 POLE BREAKER IN MAIN PANEL TO FEED NEW PANEL 'B'
6. RELOCATE AND EXTEND AS REQUIRED, THE DISPLACED 20 AMP, 2 POLE CIRCUIT TO BE FED FROM NEW PANEL 'B', CIRCUIT 1,3.
7. SUPPLY AND INSTALL NEW 30 AMP, 208 VOLT, 3R DISCONNECT SWITCH ADJACENT NEW AC1 OUTDOOR CONDENSING UNIT.
8. PROVIDE FEEDER (12/3 NMD90) FROM PANEL 'B', CIRCUIT 2,4 TO NEW AC1 DISCONNECT SWITCH.
9. EXTEND FEEDER FROM DISCONNECT SWITCH TO AC1 OUTDOOR CONDENSING UNIT UTILIZING LTF CONDUIT OR TACK CABLE.
10. PROVIDE UPDATED TYPE–WRITTEN PANEL DIRECTORIES FROM PANEL PANEL TO PANEL 'B'.
11. PROVIDE TYPE–WRITTEN PANEL DIRECTORY WITHIN PANEL 'B', IDENTIFYING LOADS BEING FED FROM EACH BREAKER (EXAMPLE: AC1 OUTDOOR CONDENSER).
12. SUPPLY AND INSTALL LAMICOID PLATE ON NEW AC1 DISCONNECT SWITCH, IDENTIFYING PANEL 'B', CIRCUIT 2,4.
13. WIRING BETWEEN AC1 OUTDOOR CONDENSING UNIT TO INDOOR EVAPORATOR UNIT IN OFFICE/LIVING ROOM TO BE INSTALLED BY MECHANICAL CONTRACTOR.
14. PROVIDE SEALING/FIRE STOPPING AT ALL LOCATIONS WHERE CABLES PENETRATE WALLS, FLOORS AND CEILING.

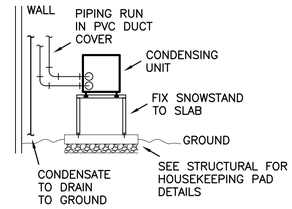
ELECTRICAL NOTES – FOG HORN HOUSE

1. SUPPLY AND INSTALL NEW 15 AMP, 2 POLE BREAKER AT CIRCUIT LOCATION 23,25 IN EXISTING PANEL IN THE FOG HORN HOUSE BUILDING.
2. EXISTING PANEL IS A 200 AMP, SQUARE D QO LOAD CENTER.
3. SUPPLY AND INSTALL NEW 30 AMP, 208 VOLT, 3R DISCONNECT SWITCH ADJACENT NEW AC2 OUTDOOR CONDENSING UNIT.
4. PROVIDE FEEDER (3#12AWG R90 + 1#12AWG R90 BOND IN 19mm C)
5. EXTENDER FEEDER FROM DISCONNECT SWITCH TO AC2 OUTDOOR CONDENSING UNIT UTILIZING LTF CONDUIT OR TECK CABLE.
6. ADD AC2 CONDENSING UNIT TO EXISTING PANEL DIRECTORY.
7. SUPPLY AND INSTALL LAMICOID PLATE TO NEW AC2 DISCONNECT SWITCH, IDENTIFYING FOG HORN HOUSE PNL, CIRCUIT 25,25.
8. WIRING BETWEEN AC2 OUTDOOR CONDENSING UNIT TO INDOOR EVAPORATOR UNIT IN FOG HORN HOUSE TO BE INSTALLED BY MECHANICAL CONTRACTOR.
9. MECHANICAL CONTRACTOR TO RUN CONTROL WIRE FROM EVAPORATOR TO NEW THERMOSTAT AND TO NEW RELAY. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL NEW RELAY TO CONTROL EXISTING ELECTRIC BASEBOARD RADIATOR(S) AS AUXILIARY HEAT.
10. PROVIDE SEALING/FIRE STOPPING AT LOCATION WHERE CONDUIT PENETRATES WALL.

EQUIPMENT SCHEDULE

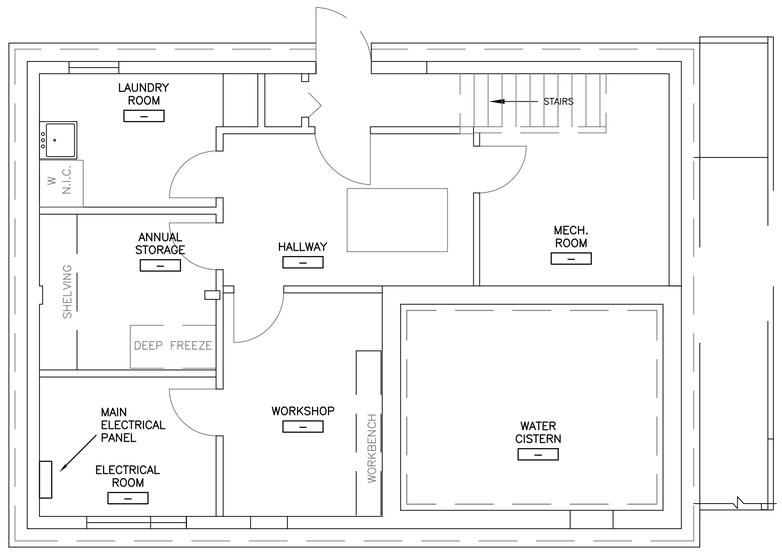
AC1 – DUCTLESS SPLIT HEAT PUMP SYSTEM.
MITSUBISHI MODEL MUZ–GE15NAH OUTDOOR UNIT AND MITSUBISHI MODEL MSZ–GE15NA–8 INDOOR UNIT, 18,000 BTU/HR NOMINAL HEATING CAPACITY. C/W PROGRAMMABLE THERMOSTAT, WIND BAFFLE, STAND, HOUSEKEEPING PAD, AND AUXILIARY HEAT OUTPUT.. ELECTRICAL: 208V/1PH/60hz, MCA 12 AMPS, MOP 15 AMPS,

AC2 – DUCTLESS SPLIT HEAT PUMP SYSTEM.
MITSUBISHI MODEL MUZ–GE15NAH OUTDOOR UNIT AND MITSUBISHI MODEL MSZ–GE15NA–8 INDOOR UNIT, 18,000 BTU/HR NOMINAL HEATING CAPACITY. C/W PROGRAMMABLE THERMOSTAT, WIND BAFFLE, STAND, HOUSEKEEPING PAD, AND AUXILIARY HEAT OUTPUT. ELECTRICAL: 208V/1PH/60hz, MCA 12 AMPS, MOP 15 AMPS,



CONDENSING UNIT DETAIL 4 ME2

SCALE : N.T.S.

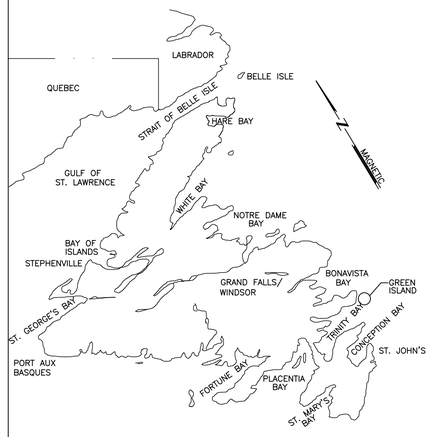


MECHANICAL – MAIN BUILDING LEVEL 1 1 ME2

SCALE: 1:50

0m 1m 2m 3m 4m 5m

Fisheries and Oceans Pêches et Océans
Real Property Services Immobiliers



KEY LOCATION PLAN

M. LAWRENCE ENGINEERING LTD
Consulting Engineers
HALIFAX NS
902-222-5364
WWW.MLENGINEERING.CA

CONSULTANT

STAMP

LICENSED PROFESSIONAL ENGINEER # 09120 M.M. LAWRENCE SIGNATURE 2018.04.09 DATE NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND AND LABRADOR
pegnl ENGINEERING PERMIT N0974
M. LAWRENCE ENGINEERING LTD.
Signature or Member Number (Member-in-Responsible Charge)

no.		date	by	approved
1	ISSUED FOR TENDER	18/04/09	M.L.	M.L.
no.	revision	date	by	approved
no	revision	date	par	approuve

Project – projet

GREEN ISLAND, TRINITY BAY – GREENING OF GOVERNMENT OPERATIONS

Drawing – dessin

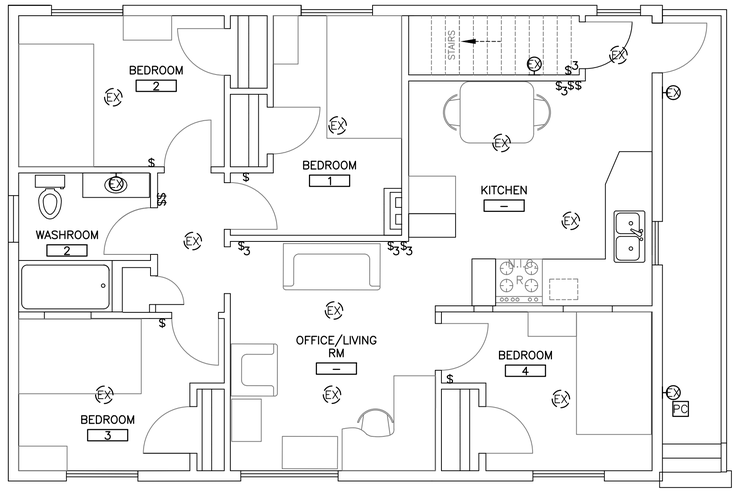
LEVEL 1 – NEW MECHANICAL LAYOUT

drawn – dessine: H. OSBORNE	designed – déssine par: M. LAWRENCE
date – date: FEBRUARY 2018	checked – verifie: M. LAWRENCE
scale – echelle: AS SHOWN	approved for tender– approuve pour l'offre

project no. – projet no.	drawing no. – no du dessin	sheet – feuille
F6879–189204	02C1103A030	ME–2

LIGHTING LEGEND

(EX)	EXISTING LIGHTING FIXTURE, WALL MOUNTED.
A	EXISTING FLUORESCENT LIGHTING FIXTURE TO BE CHANGED TO LED. LETTER DENOTES TYPE. SEE LIGHTING FIXTURE SCHEDULE & SPECIFICATIONS FOR DESCRIPTION.
$	EXISTING SINGLE POLE TOGGLE SWITCH.
$3	EXISTING THREE WAY SWITCH
PC	EXISTING PHOTOCELL



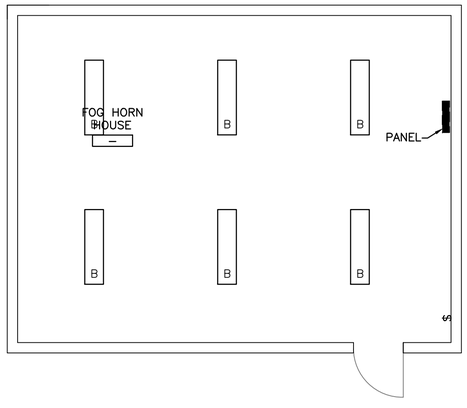
LIGHTING – MAIN BUILDING LEVEL 2 — 3 ME3

SCALE: 1:50

0m 1m 2m 3m 4m 5m

LIGHT FIXTURE SCHEDULE

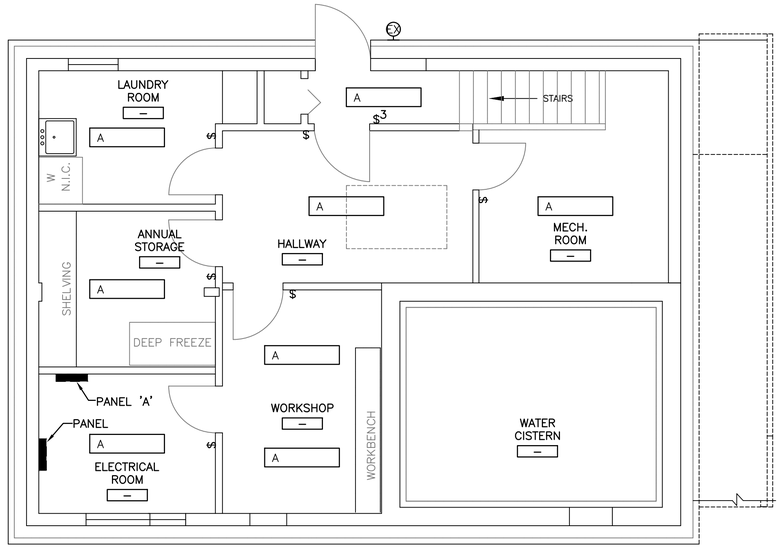
SYMBOL	TYPE	EXISTING FIXTURE DESCRIPTION	NEW FIXTURE DESCRIPTION	MANUFACTURER	CAT. NO.	COLOR TEMPERATURE (K)	OUTPUT /LAMP REQUIREMENT	WATTAGE	VOLTAGE
	A	1'x4' FLUORESCENT T12 TROFFER, 2–LAMP, SURFACE MOUNTED	4' LED WRAPAROUND FIXTURE c/w PRISMATIC DIFFUSER, SURFACE MOUNTED	LITHONIA	LBL4–4000LM–80CRI–35K–ZT–MVOLT	3500	LED DRIVER/ 4188 LUM	32W	120V
	B	1'x4' FLUORESCENT T12 TROFFER, 2–LAMP, SURFACE MOUNTED	4' LED WRAPAROUND FIXTURE c/w PRISMATIC DIFFUSER, SURFACE MOUNTED	LITHONIA	LBL4–4000LM–80CRI–35K–ZT–MVOLT	3500	LED DRIVER/ 4188 LUM	32W	120V



LIGHTING – FOG HORN HOUSE — 1 ME3

SCALE: 1:50

0m 1m 2m 3m 4m 5m

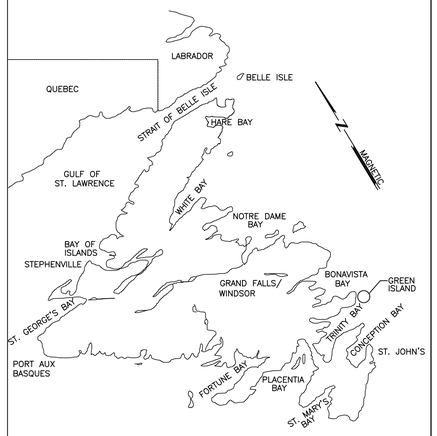


LIGHTING – MAIN BUILDING LEVEL 1 — 2 ME3

SCALE: 1:50

0m 1m 2m 3m 4m 5m

Fisheries and Oceans Pêches et Océans
Real Property Services Immobiliers



KEY LOCATION PLAN

M. LAWRENCE ENGINEERING LTD
Consulting Engineers
HALIFAX NS
902-222-5364
WWW.MLENGINEERING.CA

CONSULTANT

STAMP

LICENSED PROFESSIONAL ENGINEER
09120
M.M. LAWRENCE
SIGNATURE
18/04/09
DATE
NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND AND LABRADOR
pegnl
ENGINEERING
PERMIT N0974
M. LAWRENCE ENGINEERING LTD.
Signature or Member Number
(Member-In-Responsible Charge)

no. no	revision revision	date date	by par	approved approuve
1	ISSUED FOR TENDER	18/04/09	M.L.	M.L.

Project – projet

GREEN ISLAND, TRINITY BAY – GREENING OF GOVERNMENT OPERATIONS

Drawing – dessin

LEVEL 1 – NEW LIGHTING LAYOUT

drawn – dessine: H. OSBORNE	designed – deśsine par: M. LAWRENCE
date – date: FEBRUARY 2018	checked – verifie: M. LAWRENCE
scale – echelle: AS SHOWN	approved for tender– approuve pour l'offre

project no. – projet no.	drawing no. – no du dessin	sheet – feuille
F6879–189204	02C1103A030	ME–3