

1 MECHANICAL DEMOLITION PLAN  
M1 SCALE 1 : 100

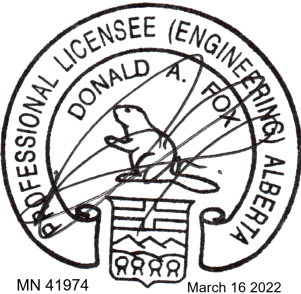
PERMIT TO PRACTICE  
D.A. FOX ENGINEERING LTD.

RM SIGNATURE:

RM APEGA ID #: 41974

DATE: March 16 2022

PERMIT NUMBER: P011325  
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)



MECHANICAL LEGENDS

\*\*NOT ALL SYMBOLS APPLY - REFER TO FLOOR PLAN

LEGAL DESCRIPTION

PALISADES CENTRE  
SNARING ROAD, JASPER, ALBERTA

GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC ONLY. CONTRACTOR TO CONFIRM LOCATION AND ROUTING OF PIPING PRIOR TO START OF INSTALLATION.
- CONTRACTOR TO PROVIDE COMPLETE INSTALLATION TO ALL MUNICIPAL, PROVINCIAL AND FEDERAL CODES AND REGULATIONS.
- ALL PLUMBING INSTALLATIONS TO BE IN ACCORDANCE WITH 2015 NATIONAL PLUMBING CODE.
- COORDINATE WITH ALL OTHER TRADES AS REQUIRED FOR A COMPLETE INSTALLATION.
- COORDINATE ALL REQUIRED WORK WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS.

DEMOLITION KEYNOTES

- EXISTING LAVATORY TO BE REMOVED c/w ALL ASSOCIATED DCW, DHW AND SANITARY PIPING IN CRAWLSPACE.
- EXISTING WATER CLOSET TO BE REMOVED c/w ALL ASSOCIATED DCW AND SANITARY PIPING IN CRAWLSPACE.

PLUMBING AND PIPING

	SAN	SANITARY ABOVE GRADE
	GAS	NATURAL GAS
	V	SANITARY VENT
	DCW	DOMESTIC COLD WATER
	DHW	DOMESTIC HOT WATER
	fd hd	EXISTING PLUMBING SERVICE
	c.o.	FLOOR DRAIN / HUB DRAIN
		HORIZONTAL CLEANOUT

PLUMBING FIXTURE TAG

L-1 SEQUENTIAL NUMBER  
FIXTURE TAG  
(REFER TO SCHEDULE)

WC=WATER CLOSET  
L=LAVATORY  
FD=FLOOR DRAIN  
SH=SHOWER

PIPE VALVES AND FITTINGS

	PIPE DROP
	PIPE RISE
	PIPE TAKE-OFF / TEE
	ISOLATION VALVE
	UNION

GENERAL

	DETAIL NUMBER		SECTION NUMBER
	DRAWING NUMBER		DRAWING NUMBER
	KEY NOTE		DEMOLITION KEYNOTES

CONTROLS

	THERMOSTAT
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- Notes:
- Do not scale drawings.
  - It is the responsibility of the Contractor to check and verify all dimensions on site and report all errors and/or omissions to the Architect or Engineers.
  - It is the responsibility of the appropriate Contractor to comply with all Codes and Regulations applicable to the performance of their work.
  - All Drawings and Specifications are instruments of service and are the property of the Architect or Engineer. This Drawing is the Copyright of ACI ARCHITECTS INC or the Consultant named on this Drawing as at the date shown and may not be used or reproduced in whole or in part without the express written consent of the Architect or Engineer.



Issues/Revisions			
No.	Description	Date	By
1.	50% Review	28-01-2022	Fox
2.	75% Review	03-02-2022	Fox
3.	100% Review	22-02-2022	Fox
4.	Issued for B.P.	15-03-2022	Fox

Seal



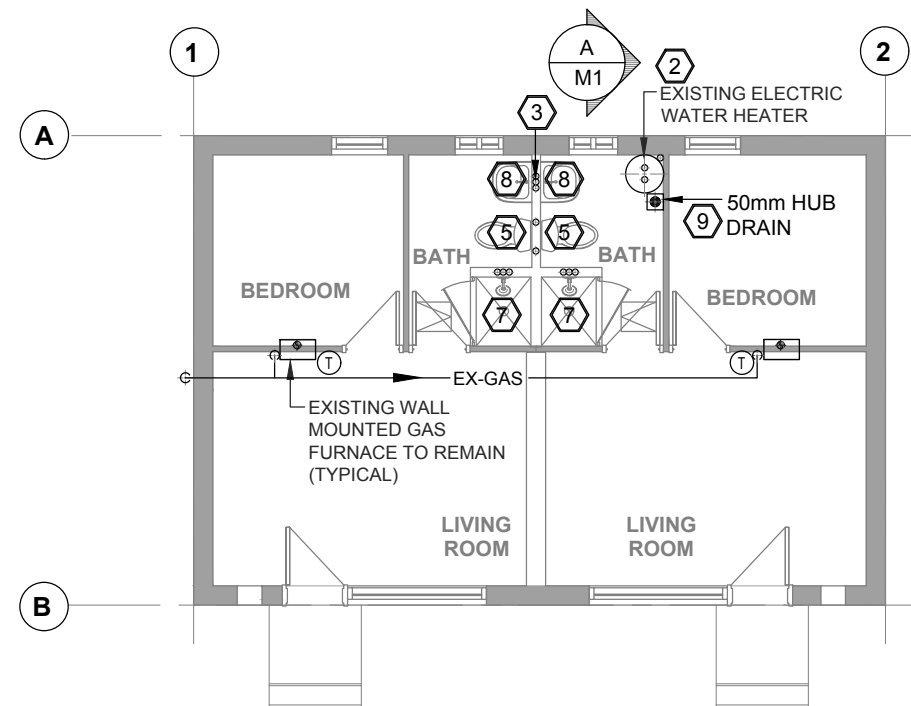
Project  
PARKS CANADA  
PALISADES MACHINE  
SHED

Scale	AS NOTED	Designed By	DF
Project No.	21114	Drawn By	ST
Date	2022-01-27	Checked By	DF

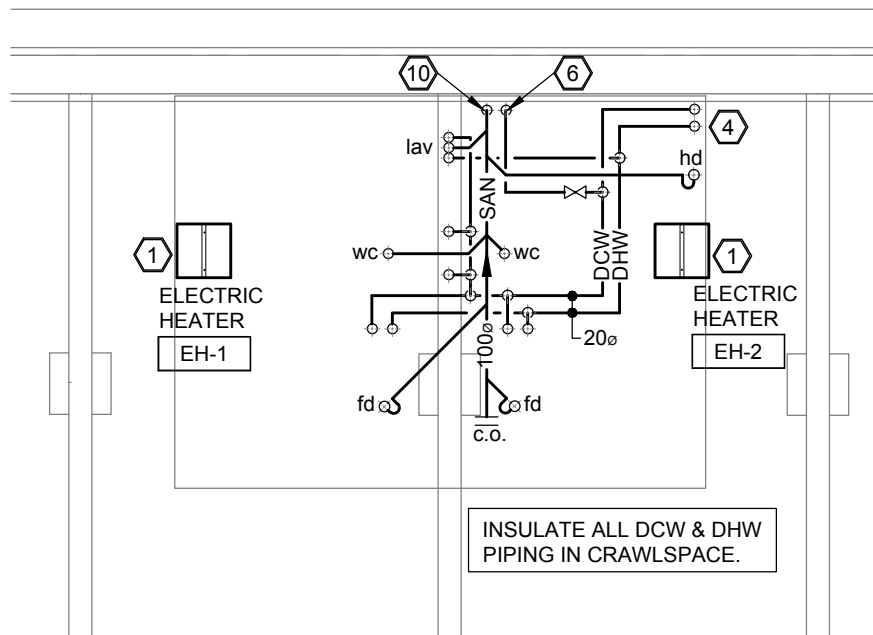
Drawing Title  
MECHANICAL DEMO  
AND LEGEND

Drawing No.

M1



1 MAIN FLOOR MECHANICAL PLAN  
M2 SCALE 1 : 100

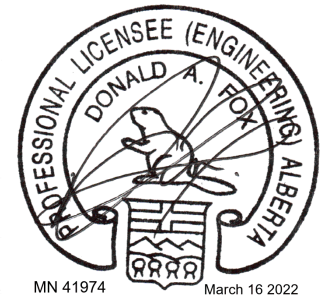


2 PARTIAL FOUNDATION PLAN  
M2 SCALE 1 : 50

**PERMIT TO PRACTICE**  
**D.A. FOX ENGINEERING LTD.**

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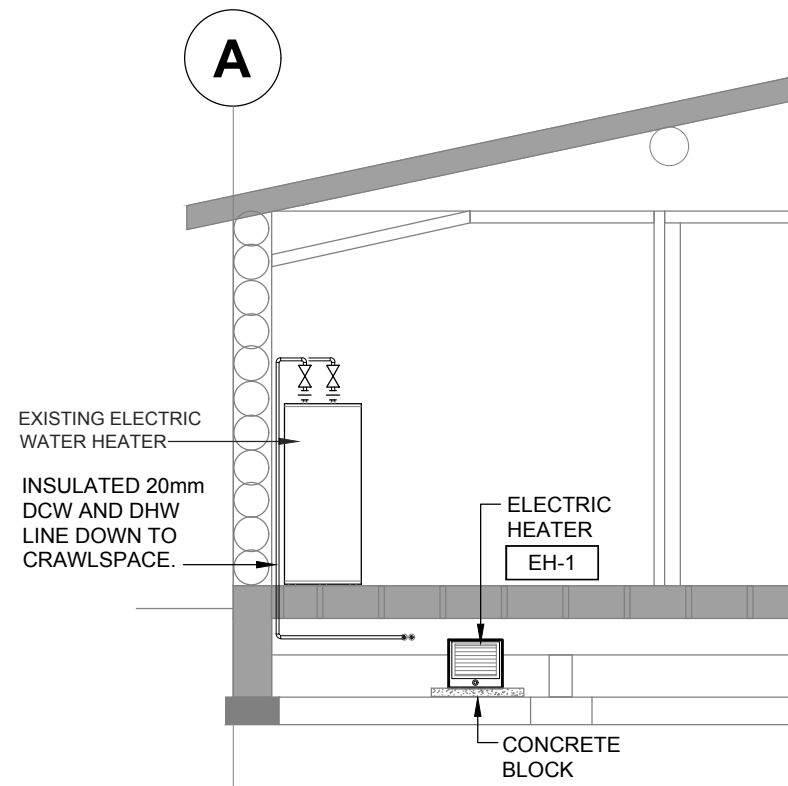
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**FOX**  
D.A. FOX ENGINEERING LTD.  
#309, 10328 - 81 AVENUE NW  
EDMONTON AB T6E 1X2  
587.454.3273

EXISTING WATER HEATER SCHEDULE						
TAG	MANUFACTURER	MODEL	INPUT (Kw)	GMP @ 100°F RISE	ELECTRICAL	CAP.
EX.TK-1	BRADFORD WHITE	M-2-40S6D S-INCPP	6.0	25	240/1/60	38 USGal.
PIPE T&P RELIEF VALVE TO NEW HUB DRAIN.						

ELECTRIC HEATER SCHEDULES						
TAG	MANUFACTURER	MODEL	INPUT (Kw)	CFM	ELECTRICAL	AMPS
EH-1	QMARK	CHPR25	1.9	150	240/1/60	10.7
EH-2	QMARK	CHPR25	1.9	150	240/1/60	10.7
SUSPENDED ELECTRIC HEATER c/w INTEGRAL THERMOSTAT.						

- KEYNOTES**
- 1 ELECTRIC HEATER TO BE MOUNTED ON CONCRETE BLOCK IN CRAWLSPACE NEAR ACCESS HATCH FROM NEW FLOOR OPENING.
  - 2 INSTALL EXISTING ELECTRIC HOT WATER HEATER IN CORNER OF ROOM AND PIPE INSULATED 20mm DCW & DHW FROM CRAWLSPACE IN CORNER TO TANK.
  - 3 INSTALL AIR ADMITTANCE VALVE FOR PLUMBING VENT FROM SINK WITH ACCESS DOOR.
  - 4 PIPE 20mm INSULATED DHW LINE FROM HOT WATER HEATER TO CRAWLSPACE AND UP TO PLUMBING FIXTURE IN DEMISING WALL.
  - 5 INSTALL OWNER SUPPLIED WATER CLOSET, PROVIDE NEW WAX SEAL AND FLANGE FOR TOILET. PROVIDE ISOLATION VALVE AND S.S. FLEX PIPE TO TOILET.
  - 6 CONNECT NEW 20mm INSULATED DCW TO EXISTING LINE IN CRAWLSPACE AND ROUTE TO PLUMBING FIXTURES IN WALL AND TO HOT WATER HEATER. PROVIDE AN NEW ISOLATION VALVE EASILY ACCESSIBLE FROM ACCESS HATCH.
  - 7 INSTALL OWNER SUPPLIED SHOWER VALVE AND HAND SPRAY, CHANGE OUT RAIN SHOWER HEAD WITH A LOW FLOW (1.75 gpm) DELTA RAIN SHOWER HEAD FOR EACH WASHROOM. PROVIDE AND INSTALL A S.S. FLOOR DRAIN.
  - 8 INSTALL OWNER SUPPLIED WALL MOUNTED LAVATORY. PROVIDE AND INSTALL NEW CHROME P-TRAP, S.S. FLEX PIPE WITH ISOLATION VALVE AND NEW DELTA SINGLE HANDLE MODEL B51LF FAUCET FOR SINK.
  - 9 INSTALL A 50mm HUB DRAIN FOR PIPED T&P RELIEF VALVE c/w TRAP SEALER.
  - 10 CONNECT NEW SANITARY PIPING TO EXISTING. CONFIRM TIE-IN LOCATION ON SITE.



A PARTIAL BUILDING SECTION  
M2 SCALE 1 : 50

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Seal

Client



Project  
**PARKS CANADA**  
**PALISADES MACHINE**  
**SHED**

Scale	AS NOTED	Designed By	DF
Project No.	21114	Drawn By	ST
Date	2022-01-27	Checked By	DF

Drawing Title  
**MECHANICAL**  
**PLANS and SECTION**

Drawing No.

**M2**