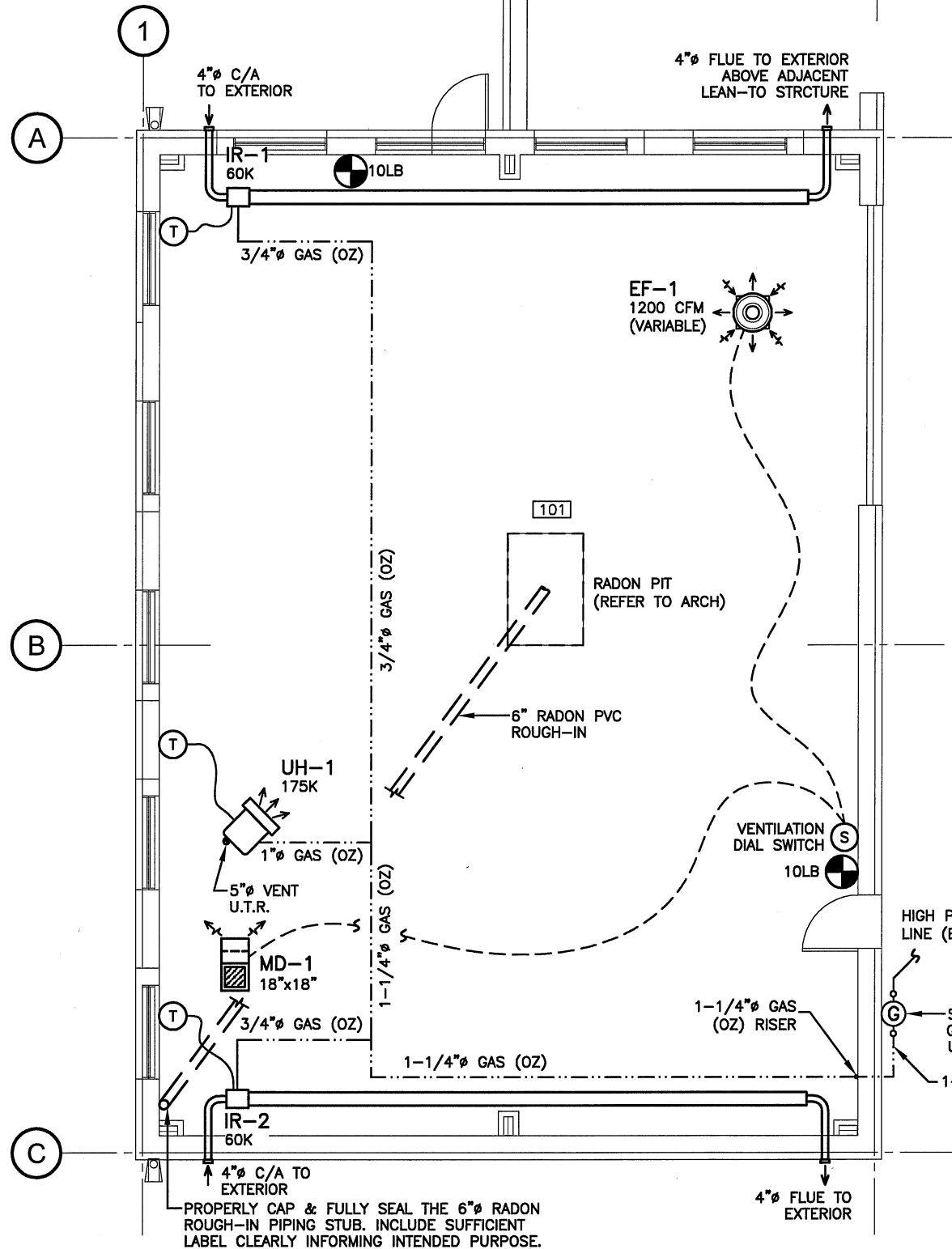


REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR MIN. CLEARANCES BETWEEN FLUE AND COMBUSTION AIR TERMINATIONS

PROVIDE MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS FOR ALL INFRARED HEATERS IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.



MAIN FLOOR MECHANICAL PLAN
SCALE: 1:100

MECHANICAL EQUIPMENT SCHEDULE

- EF-1**
ROOF MOUNTED, DIRECT DRIVE UPBLAST VARIABLE CENTRIFUGAL EXHAUST FAN, LEAKPROOF CONSTRUCTION, 1200 CFM @ 1.0" ESP, 1/2 HP DIRECT DRIVE MOTOR, 120V-1Ø POWER. REFER TO INTERLOCK TABLE. GREENHECK 'CUBE-121-VG' (OR EQUAL)
- IR-1,2**
NOMINAL 60,000 BTUH LOW INTENSITY STD. ENVIRONMENT INFRARED HEATER, 30' LONG TUBE, C/W DIRECT SPARK IGNITION, VENTING TO OUTSIDE AND REMOTE LOW VOLTAGE T-STAT CONTROL, 120V-1Ø POWER RE-VERBER-RAY 'SE2-30-60' (OR EQUAL)
- MD-1**
18"x18" ROOF MOUNTED GOOSENECK INLET AIR INTAKE COMPLETE WITH MOTORIZED DAMPER. 120V-1Ø POWER. REFER TO INTERLOCK TABLE. VENTEX MBD & BELIMO ACTUATOR (OR EQUAL)
- UH-1**
NOMINAL 175,000 BTUH INPUT GAS FIRED UNIT HEATER, CEILING SUSPENDED, MIN. 145,250 BTUH OUTPUT, LOW PROFILE CONFIGURATION C/W ALUMINIZED BURNER & HEAT EXCHANGER, REMOTE T-STAT CONTROL, 5"Ø POWER VENTED FLUE TO OUTDOORS, 120V-1Ø POWER. REZNOR 'UDAP-175' (OR EQUAL)

MECHANICAL EQUIPMENT INTERLOCKS

VENTILATION SWITCH - 'OFF'

EF-1 = [OFF]
MD-1 = [CLOSED]

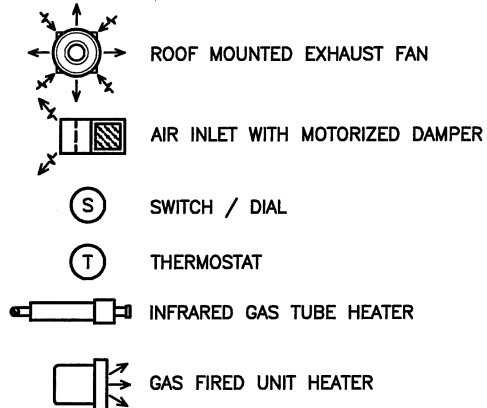
VENTILATION SWITCH - 'ON'

EF-1 = [ON]
MD-1 = [OPEN]

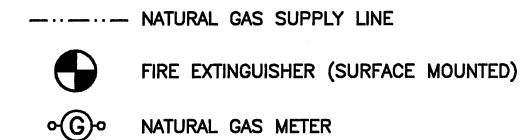
*NOTE THAT EF-1 IS EQUIPPED WITH A VARIABLE SPEED DIAL AND THAT THE 'ON' POSITION DENOTES ANYTIME THE FAN IS POWERED.

THE MECHANICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE FINAL INCOMING GAS LOCATION FROM THE UTILITY SUPPLIER DIRECTLY AND MADE ANY REQUIRED ACCOMMODATIONS. THE TRADE SHALL ALSO COORDINATE WITH THE AUTHORITY OF THE CORRECTIONAL FACILITY TO MINIMIZE ANY DISRUPTION TO THE SITE OR ANY ADJACENT BUILDINGS.

HVAC SYMBOLS LEGEND

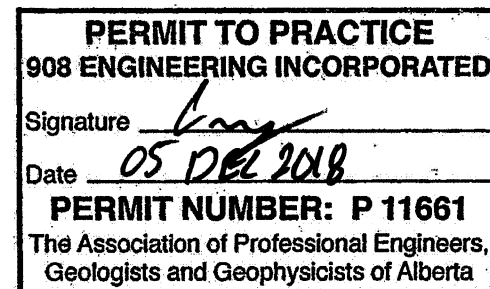
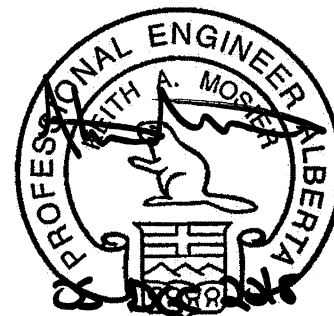


PLUMBING SYMBOLS LEGEND



GAS LOAD SCHEDULE

IR-1 = 60,000 BTUH
IR-2 = 60,000 BTUH
UH-1 = 175,000 BTUH
FUTURE = 80,000 BTUH
TOTAL BUILDING GAS LOAD - 375 CFH



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DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDERS, PERMITS & CONSTRUCTION	181205
1	Revised to include radon pit	181205
2	Revised to include gas meter	181205
3	Revised to include ventilation switch	181205
4	Revised to include gas load schedule	181205
5	Revised to include radon pit	181205
6	Revised to include gas meter	181205
7	Revised to include ventilation switch	181205
8	Revised to include gas load schedule	181205
9	Revised to include radon pit	181205
10	Revised to include gas meter	181205
11	Revised to include ventilation switch	181205
12	Revised to include gas load schedule	181205
13	Revised to include radon pit	181205
14	Revised to include gas meter	181205
15	Revised to include ventilation switch	181205
16	Revised to include gas load schedule	181205
17	Revised to include radon pit	181205
18	Revised to include gas meter	181205
19	Revised to include ventilation switch	181205
20	Revised to include gas load schedule	181205

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet

PÊ SĀKĀSTÊW CENTRE MASKWACIS, ALBERTA VOCATIONAL FACILITY DESIGN

Approved by/Approuvé par

KM

Designed by/Concept par

KM

Drawn by/Dessiné par

KM

PWSC Project Manager/Administrateur de Projets TPSGC

JAMES PATTISON

PWSC, Architectural and Engineering Resources Manager/

Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client

PWSC

Drawing title/Titre du dessin

MAIN FLOOR MECHANICAL PLAN

Project No./No. du projet

R.072604.001

Sheet/Fauille

M101

Revision no./

La Révision no. 0