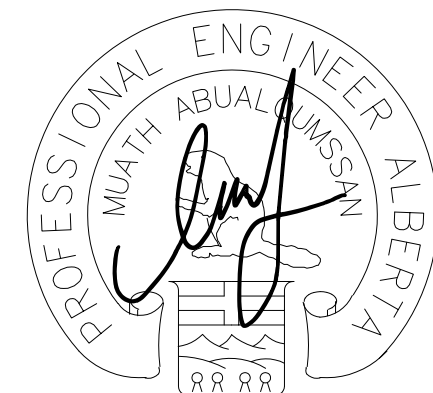


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Revision	Description	Date
4	ISSUED FOR CONSTRUCTION	2020/03/06
3	ISSUED FOR 90% REVIEW	2019/08/29
2	ISSUED FOR 60% REVIEW	2019/05/09
1	ISSUED FOR 30% REVIEW	2018/03/14

Client

PSPC

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Project Title
JASPER STAFF HOUSING CONSTRUCTION

DUPLEX

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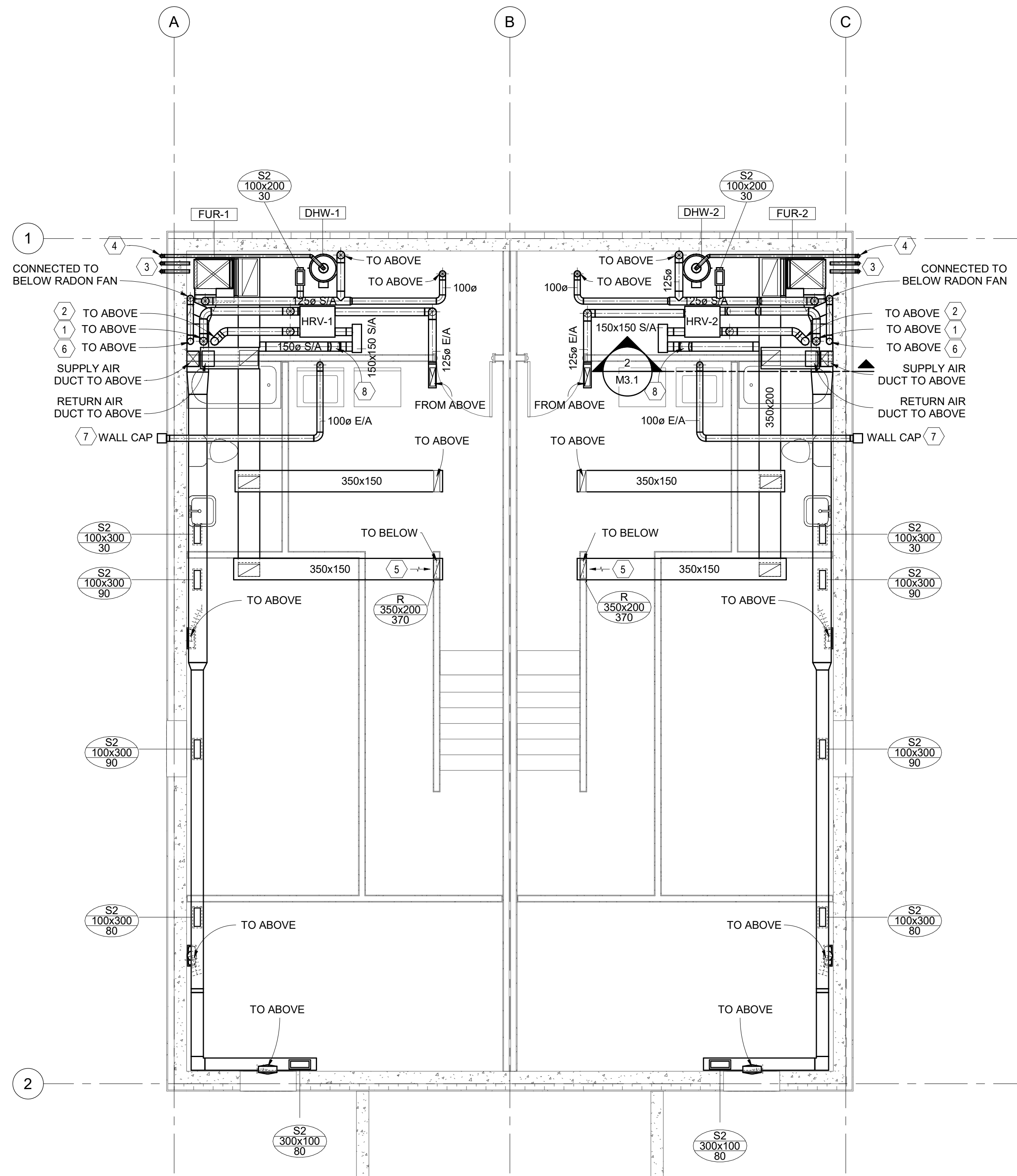
Drawing Title
LOWER LEVEL HEATING AND VENTILATION PLAN

Project no./No. du projet
R.100429.001

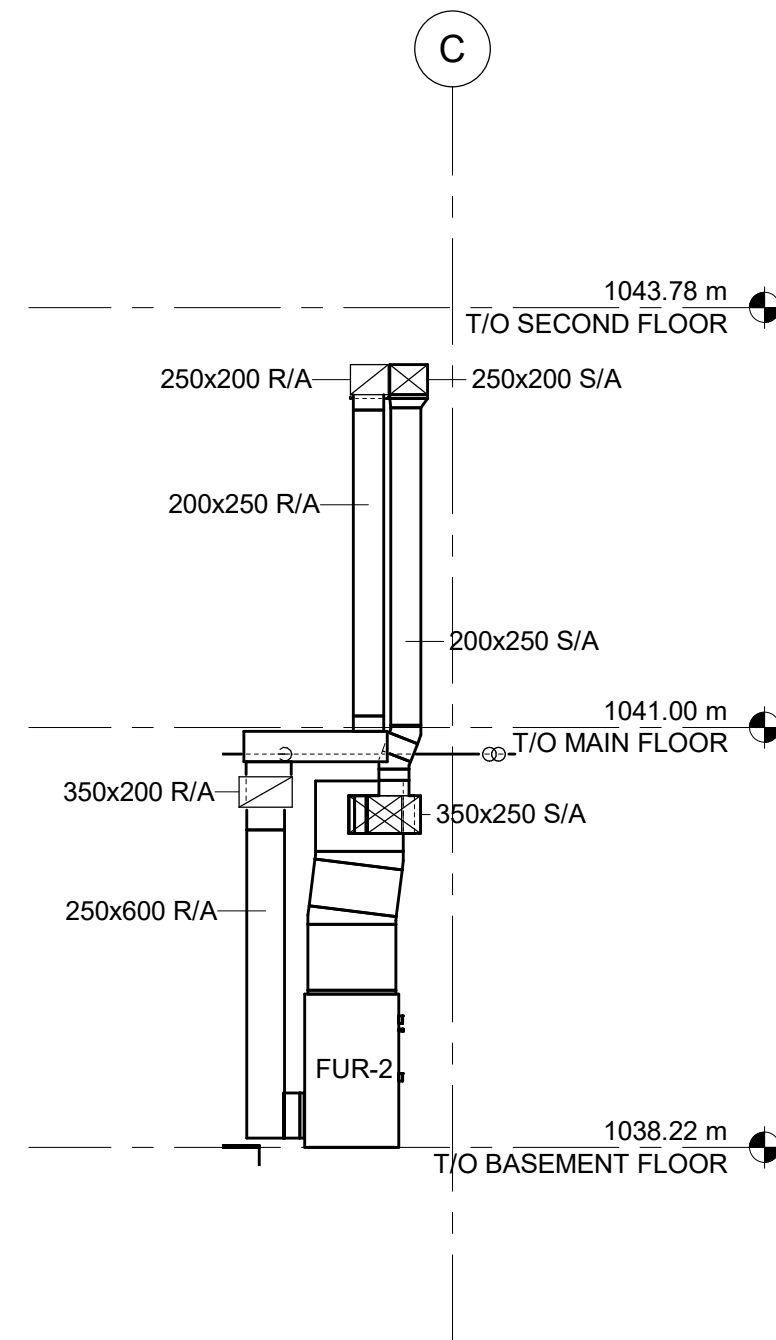
Drawing no./No. du dessin
M3.1

Revision no.
4

OF



1 LOWER LEVEL HEATING AND VENTILATION PLAN
SCALE: 1 : 50



2 FURNACE CONNECTION
SCALE: 1 : 50

KEYNOTES:

- 125ø HRV OUTSIDE AIR INTAKE UP THROUGH TO MAIN FLOOR AND THROUGH TO EXTERIOR WALL WITH EXTERNAL INSULATION.
- 125ø HRV EXHAUST UP THROUGH TO MAIN FLOOR AND THROUGH TO EXTERIOR WALL WITH EXTERNAL INSULATION.
- RUN 2@50ø (FURNACE) PVC COMBUSTION AIR/FLUE PIPES C/W INSULATION AS SPECIFIED FROM FURNACE TO CONCENTRIC TERMINATION ASSEMBLY AS PER MANUFACTURER'S RECOMMENDATION AT EXTERIOR WALL. CONCENTRIC VENT KITS TO BE INSTALLED AS PER MANUFACTURER'S MANUAL. REFER TO DRAWING M1.2 DETAIL 5.
- RUN 2@50ø COMBUSTION AIR/FLUE PIPE FROM POWER DIRECT VENT DOMESTIC HOT WATER HEATER TO VENT TERMINATION ASSEMBLY AS PER MANUFACTURER'S RECOMMENDATION AT EXTERIOR WALL.
- RETURN AIR GRILLE AT THE BASEMENT FLOOR.
- PROVIDE 100mm PVC VENT PIPE AND CAPPED FOR RADON EXTRACTION SYSTEM. REFER TO DRAWING M2.1. CONTRACTOR TO ALLOW FOR RADON VENT PIPE TO DISCHARGE THROUGH EXTERIOR WALL, INCLUDING ROUGH-IN PIPING FOR RADON EXHAUST FAN RD-1 AND RD-2 TO BE INSTALLED IN MECHANICAL ROOM, INCLUDING ALLOWANCE FOR PIPING INSULATION TO PREVENT FREEZING.
- 100ø DRYER EXHAUST THROUGH WALL WITH EXTERNAL INSULATION.
- TURN 150x150 HRV DUCT DOWN.

HVAC GENERAL NOTES:

- SUPPLY AND INSTALL ALL FIRE STOPPING MATERIAL AND ENSURE THAT ALL FIRE PENETRATIONS ARE PROTECTED AS REQUIRED BY THE NATIONAL BUILDING CODE AND THE LOCAL AUTHORITIES.
- ALL WASHROOM FANS ARE TO BE LOCATED IN THE CEILING. COORDINATE EXACT LOCATION OF ALL FANS AND ASSOCIATED DUCTWORK ON SITE.
- ALLOW FOR WALL CAPS AT ALL DUCTWORK ON EXTERIOR WALLS AS REQUIRED.
- AIR BALANCING DAMPERS TO BE PROVIDED FOR ALL BRANCH DUCTWORK FEEDING INDIVIDUAL AIR TERMINALS.
- ENSURE ALL DUCTWORK EXTENDING TO EXTERIOR OF BUILDING IS INSULATED.
- INSTALL 100mm THICK HOUSEKEEPING PAD UNDER ALL MECHANICAL EQUIPMENT IN MECHANICAL ROOM. COORDINATE WITH GENERAL CONTRACTOR.
- INSTALL ALL WALL CAPS, EXHAUST OR INTAKE LOUVERS AT THE EXTERIOR WALLS 450mm ABOVE THE FLOOR LEVEL.
- PROVIDE DAMPERS ON AIR INTAKES AND EXHAUSTS TO NATIONAL ENERGY CODE REQUIREMENTS.