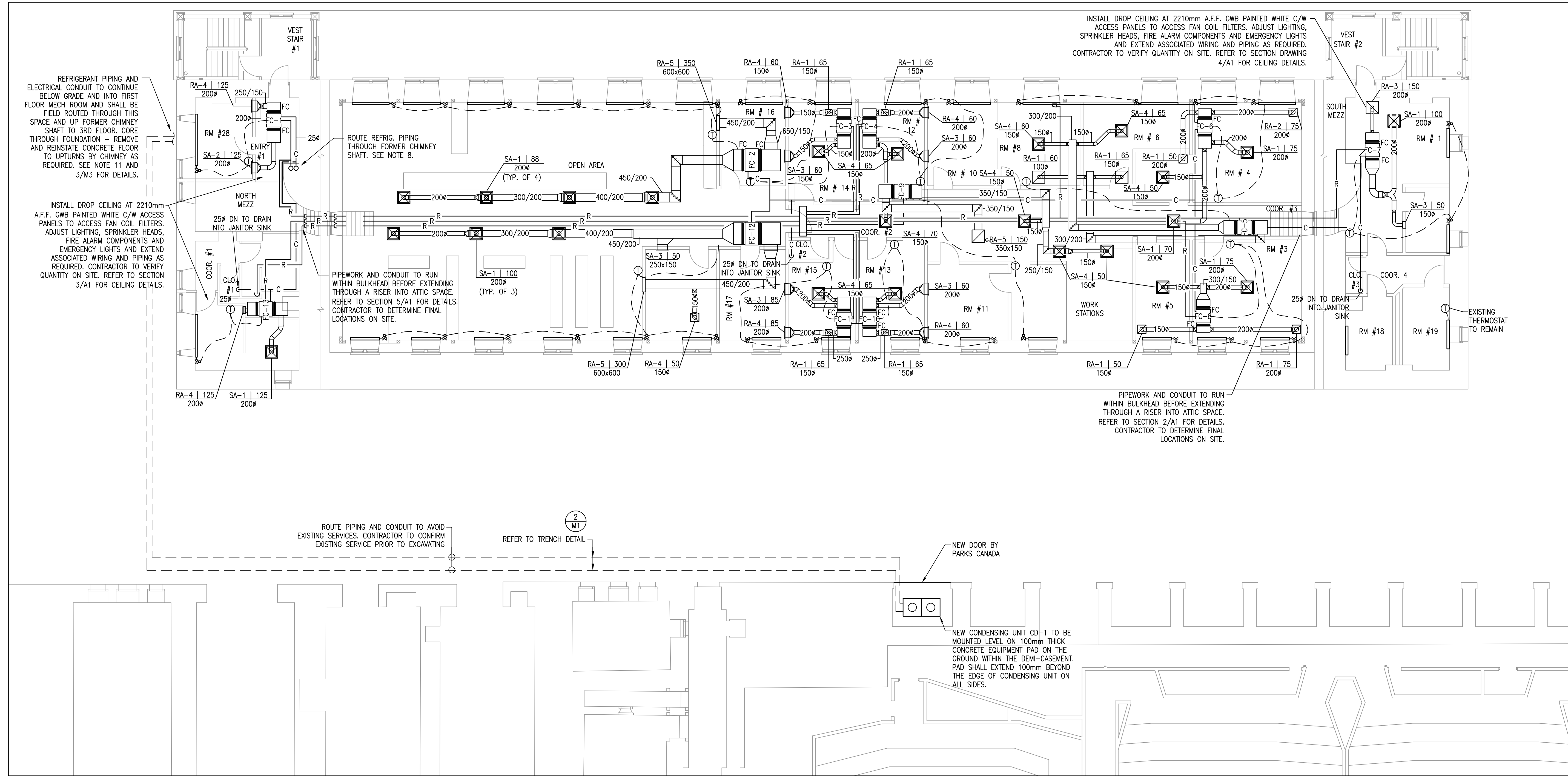
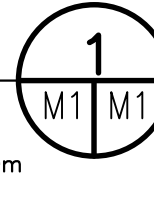
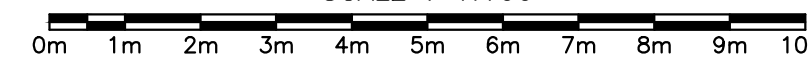




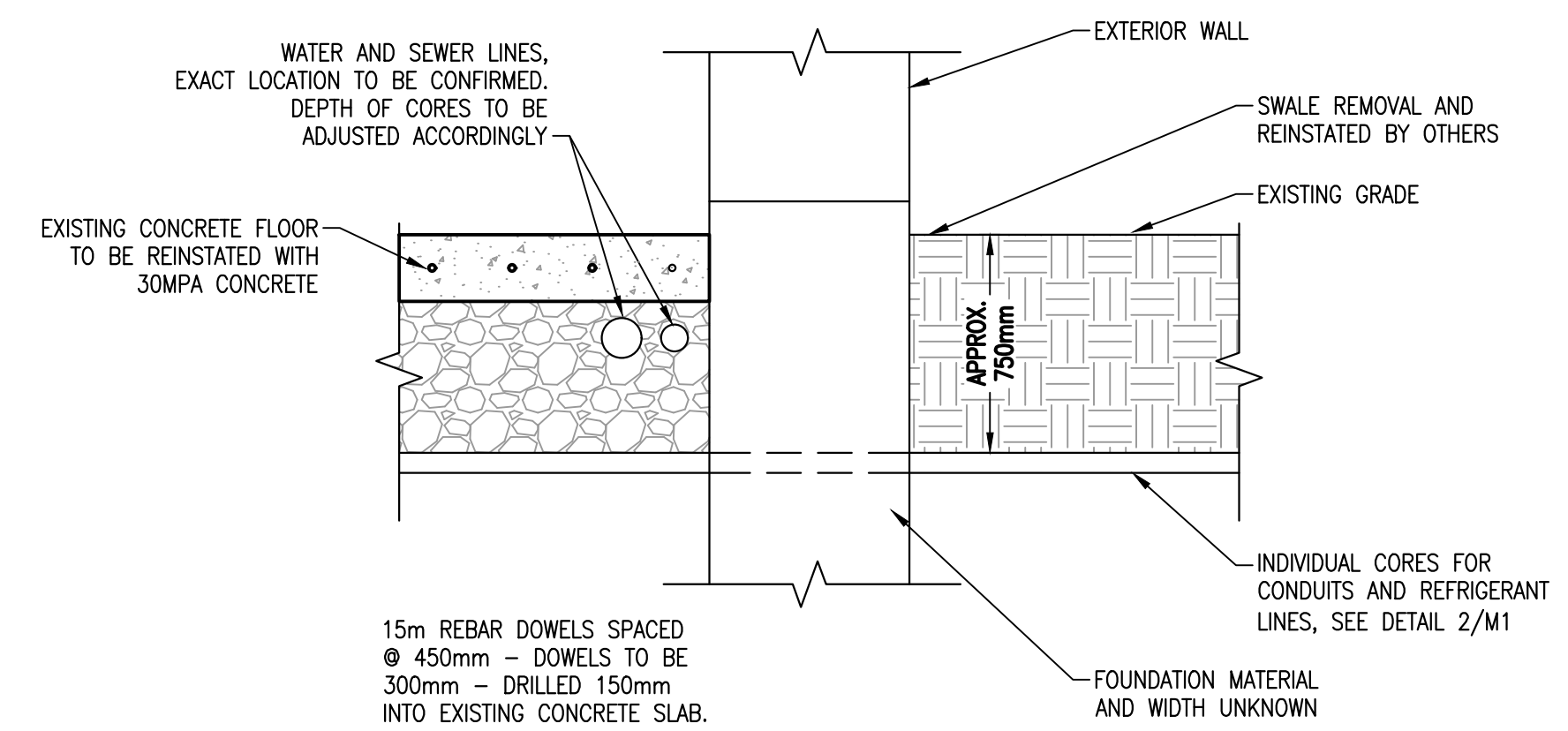
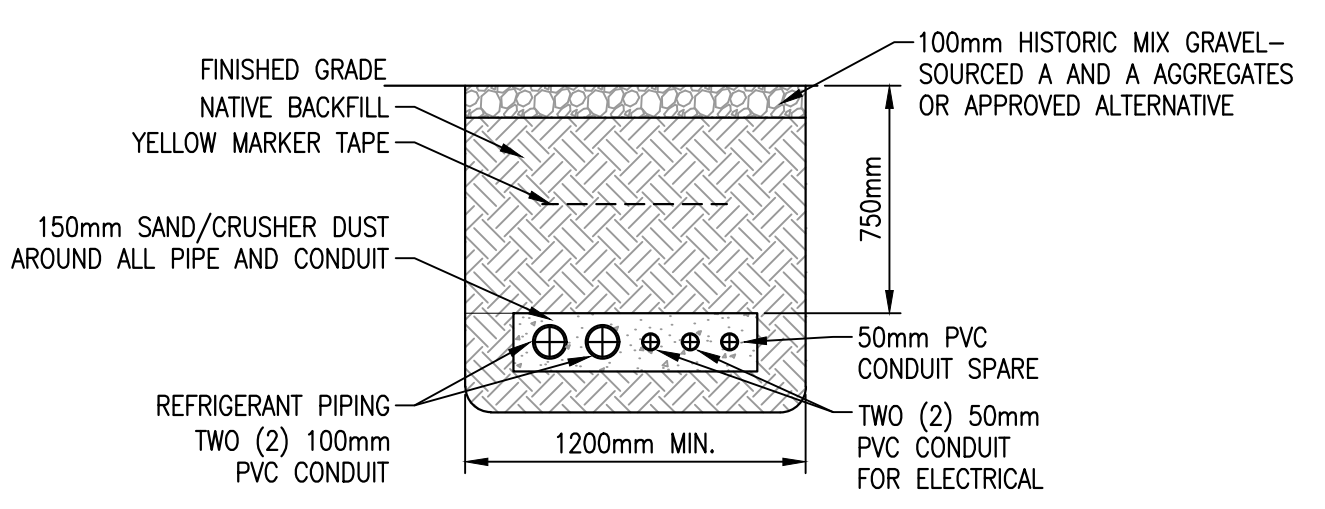
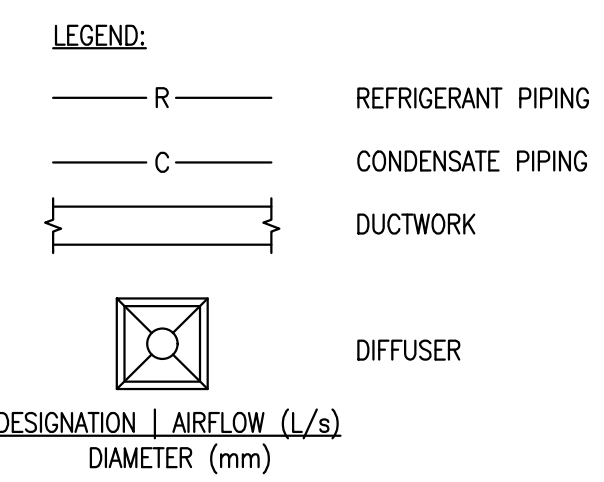
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LEVEL 3 - MECHANICAL
SCALE : 1:100



- NOTES:**
- EACH REFRIGERATION LINE DEPICTED ON THE PLAN REPRESENTS TWO PIPES. REFER TO SCHEMATIC ON DRAWING 1/M-02.
 - ALTERNATE MANUFACTURERS MAY UTILIZE ALTERNATIVE PIPING ARRANGEMENTS. ALTERNATE METHODS MEETING THE INTENT OF THE SPECIFICATION WILL BE CONSIDERED. HOWEVER, ANY COST IMPLICATIONS FOR ALTERNATE PIPING ARRANGEMENTS MUST BE CARRIED BY CONTRACTOR.
 - CONDENSATE DRAIN AND ADDITIONAL DRIP TRAY PIPING SHALL BE SLOPED AT 1% IN THE DIRECTION OF THE DRAIN OUTLET.
 - ALL FAN COIL UNITS, PIPING, WIRING AND DUCTWORK SHALL BE INSTALLED IN THE ATTIC SPACE.
 - REPLACE EXISTING THERMOSTAT WITH HEAT PUMP CONTROLLERS. HEAT PUMP CONTROLLERS SHALL CONTROL HEAT PUMP AS 1ST STAGE HEATING. NEW HYDRONIC ZONE VALVES ARE TO BE PROVIDED TO EACH RADIATOR AND ARE TO BE HONEYWELL MZY OR APPROVED EQUIVALENT. WIRING SHALL BE EXTENDED FROM HEATING ZONE VALVES TO AN AUXILIARY CONTACT ON THE HEAT PUMP CONTROLLER TO CONTROL HYDRONIC ZONE VALVES AS 2ND STAGE HEATING. CONTROL WIRING SHALL BE CONCEALED WITH WALL. CONTRACTOR SHALL REINSTATE WALL AS REQUIRED TO MATCH SURROUNDINGS.
 - PROVIDE BALANCING DAMPERS AT MAIN BRANCHES AND BRANCHES TO EACH GRILLE AND DIFFUSER.
 - SUPPLY AIR AND RETURN AIR PLENUM TO MATCH UNIT SIZE.
 - CONTRACTOR TO NOTE THAT THERE IS NO DRILLING INTO BRICKWORK. FASTENERS TO BE IN MORTAR ONLY.
 - ARCHAEOLOGIST MUST BE ON SITE DURING EXCAVATION. CONTRACTOR TO PROVIDE A WEEK'S NOTICE PRIOR TO DIGGING.
 - CONTRACTOR TO IDENTIFY EXISTING IN GROUND SERVICES INCLUDING ELECTRICAL, DOMESTIC, STORM AND SANITARY WATER AND COORDINATE WORKS TO ACCOMMODATE. SWALE TO BE REMOVED AND REINSTATED BY OTHERS. NOTE THAT WATER, SANITARY/STORM SERVICES EXIST UNDER SLAB IN THE SAND ROOM.
 - ROUTE REFRIGERANT PIPING AND WIRING FROM 1ST FLOOR SAND ROOM THROUGH EXISTING UNUSED CHIMNEY. DO NOT CREATE NEW OPENINGS IN CHIMNEY. PENETRATION INTO AND OUT OF CHIMNEY SHALL BE MADE THROUGH EXISTING OPENINGS.
 - FAN COIL UNITS SHALL BE EQUIPPED WITH ADDITIONAL EXTERNAL DRIP TRAY OF MINIMUM 25mm HEIGHT. DRIP TRAY TO BE CONNECTED TO CONDENSATE DRAIN.



revisions	date
4	JAN. 23 2018
3	OCT. 24 2017
2	OCT. 13 2017
1	AUG. 3 2017

**HEAT PUMP ADDITION
CAVALIER BUILDING
5425 SACKVILLE STREET
HALIFAX, NOVA SCOTIA**

HVAC PLAN

designed M. J. RODGERS, P.ENG.	conqu
drawn A. TURNQUEST	dessin
date JULY 2017	
approved M. J. RODGERS, P.ENG.	approuvé
date	
Tender	Soumission
PWSC Project Manager Administrateur de projets TPSGC	no. du projet
project number	
171-04723	
drawing no.	no. du dessin
M1	