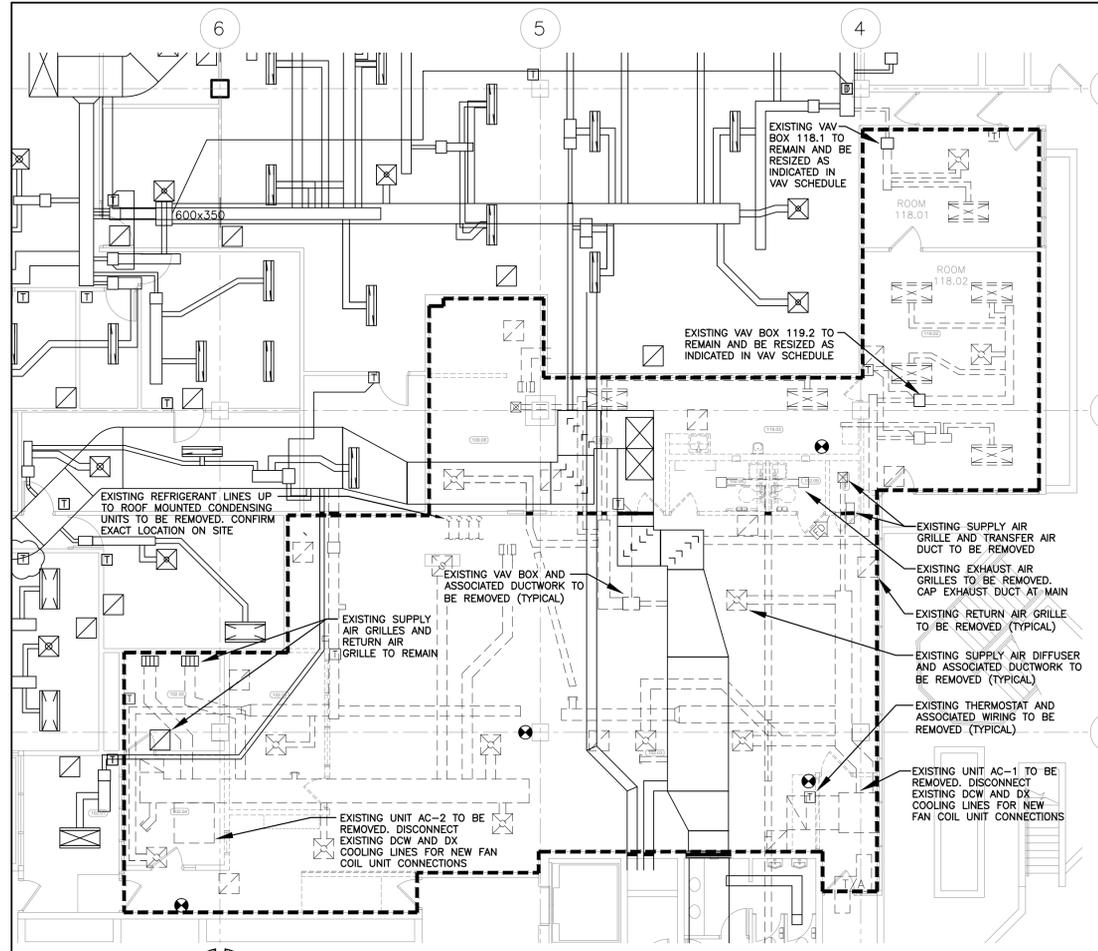




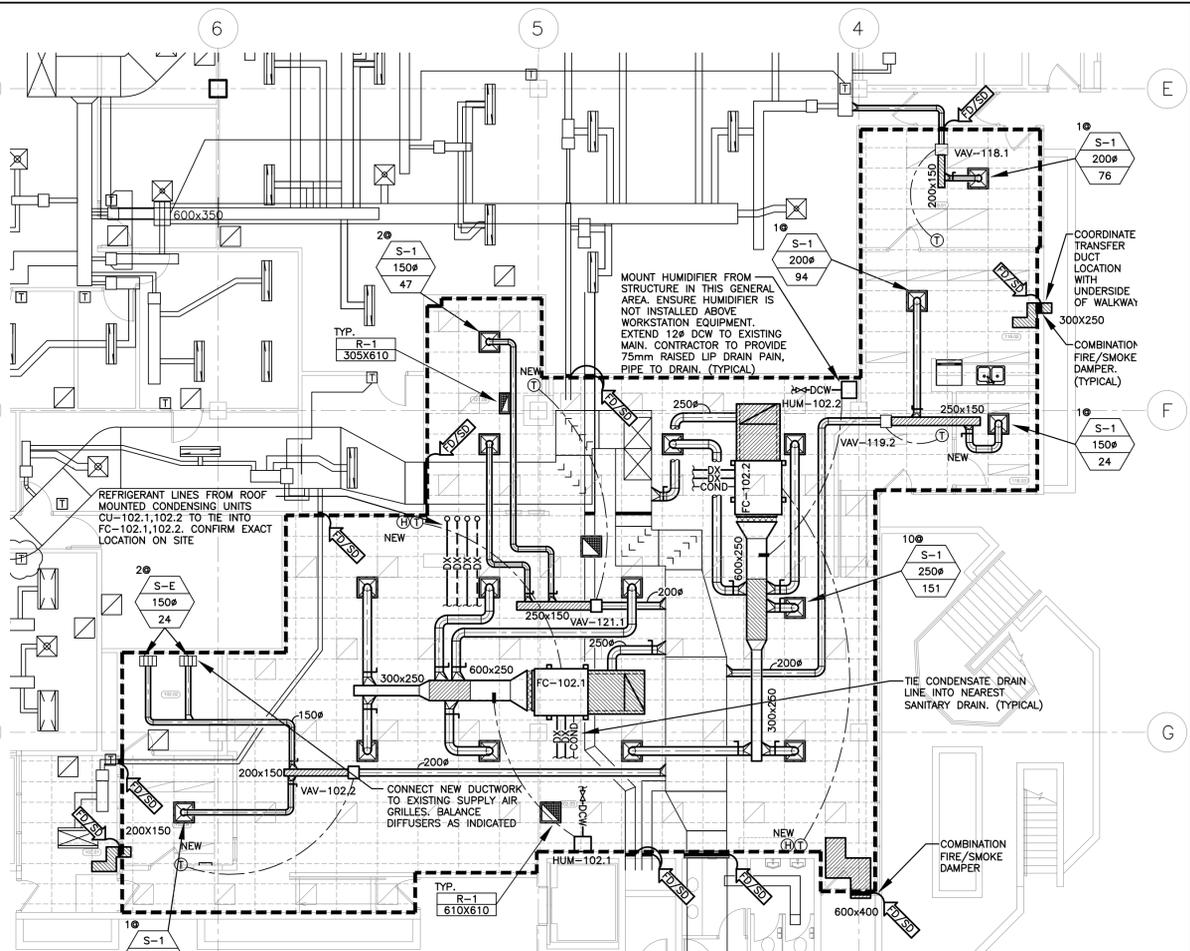
**MacPHERSON Engineering Inc.**



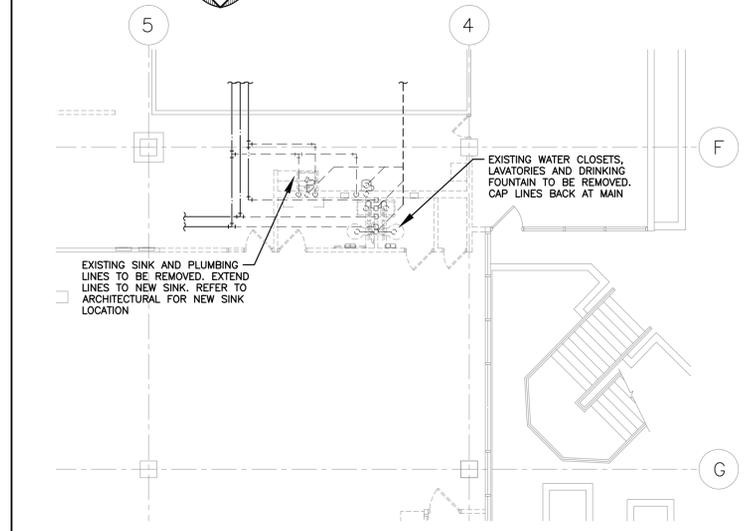
ASSOCIATION OF PROFESSIONAL ENGINEERS OF SASKATCHEWAN  
**CERTIFICATE OF AUTHORIZATION**  
**MacPHERSON ENGINEERING INC.**  
 NUMBER 808  
 PERMISSION TO CONSULT HELD BY:  
 DISCIPLINE SASK. REG. NO. SIGNATURE  
 MECH 5306



1 PARTIAL FIRST FLOOR VENTILATION PLAN - DEMOLITION  
 M1.1 1:100



2 PARTIAL FIRST FLOOR VENTILATION PLAN  
 M1.1 1:100



3 PARTIAL FIRST FLOOR PLUMBING PLAN - DEMOLITION  
 M1.1 1:100

GENERAL DEMOLITION NOTES:

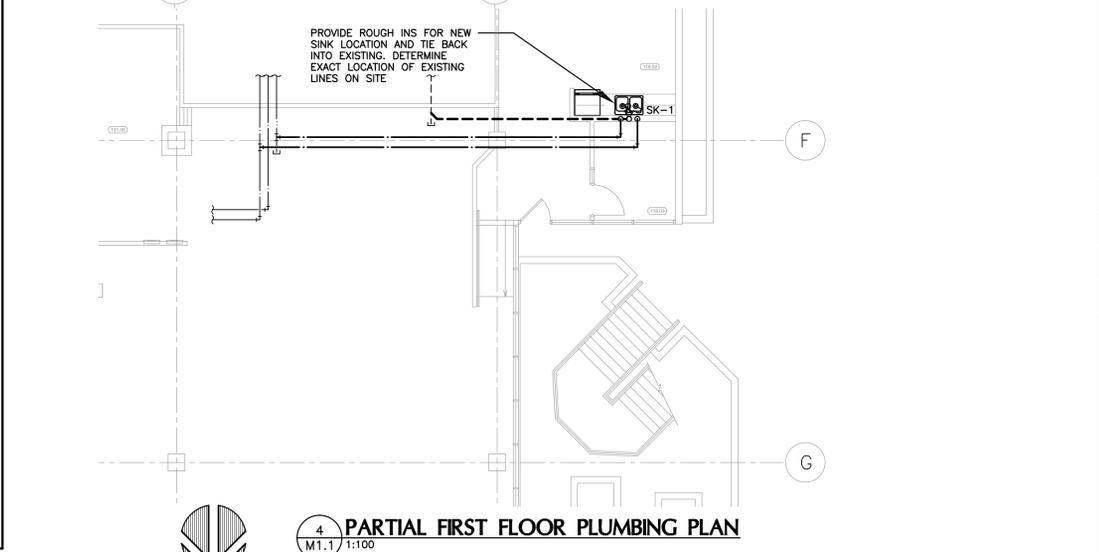
- DEMOLITION DRAWINGS INDICATE GENERAL ARRANGEMENT OF EXISTING MECHANICAL SYSTEMS. CONTRACTOR TO VERIFY ON SITE THE EXACT ARRANGEMENT AND EXTENT OF EXISTING MECHANICAL SYSTEMS. REFER TO NOTES FOR PIPING, DUCTWORK, EQUIPMENT, INSULATION, CONTROLS, AND ACCESSORIES TO BE REMOVED.
- DRAIN EXISTING SYSTEMS TO BE REMOVED AND DISPOSE OF FLUIDS IN ACCORDANCE WITH GOVERNING REGULATIONS.
- PIPING, DUCTWORK, & EQUIPMENT THAT IS BEING REMOVED TO BE DISMANTLED INTO SECTIONS SMALL ENOUGH TO ALLOW EXTRACTION AND REMOVAL FROM THE BUILDING.
- ALL MECHANICAL EQUIPMENT TO BE REMOVED IS INDICATED BY A LIGHT, DASHED LINE.
- ALL MECHANICAL EQUIPMENT TO REMAIN IS INDICATED BY A LIGHT, SOLID LINE.
- AREA OF WORK TO BE PERFORMED INDICATED BY A DARK, DASHED LINE.
- ALL NEW MECHANICAL EQUIPMENT IS INDICATED BY A DARK, SOLID LINE. OWNER SHALL HAVE FIRST OPTION OF ANY SALVAGE. TURN OVER EQUIPMENT TO A LOCATION PER DIRECTION. ALL OTHER RUBBISH SHALL BE REMOVED.
- TURN OVER ALL EXISTING VAV BOXES TO OWNER.

LEGEND	
SYMBOL	NAME
—	DOMESTIC COLD WATER
—	DOMESTIC HOT WATER
—	DOMESTIC HOT WATER RECIRCULATION
—	HEATING WATER SUPPLY
—	HEATING WATER RETURN
—	CONDENSATE DRAIN LINE
—	FIRE PROTECTION MAIN
—	ELBOW DOWN / UP
—	HUMIDISTAT
—	THERMOSTAT
—	UPRIGHT SPRINKLER HEAD
—	PENDENT SPRINKLER HEAD
—	FIRE EXTINGUISHER
—	FLEXIBLE CONNECTION
—	SMOKE/FIRE DAMPER
—	FIRE DAMPER
—	VOLUME DAMPERS
—	ACOUSTICAL LINED DUCT - INTERNAL DUCT DIMENSIONS SHOWN
—	TURNING VANES
—	ROUND DUCT RISE
—	SUPPLY AIR / SQUARE DUCT UP
—	RETURN AIR / SQUARE DUCT DOWN
—	EXHAUST AIR
—	RETURN AIR GRILLE
—	SUPPLY AIR GRILLE

GENERAL NOTES:

- CONTRACTOR TO RUN DRAIN LINES TO NEAREST EXISTING FLOOR DRAIN.
- CONTRACTOR TO BALANCE SUPPLY GRILLES ON EACH FLOOR AS NOTED ON DRAWINGS.
- ADJUST PIPING CONFIGURATION & ROUTING ON SITE AND PROVIDE TRANSITIONS & OFFSETS AS REQUIRED TO SUIT STRUCTURE, DUCTWORK, CEILINGS & FINISHES AND WORK OF OTHER TRADES.
- CONTRACTOR TO REPLACE ALL DAMAGED EXISTING INSULATION INVOLVED IN PROJECT.
- ALL DUCTWORK TO BE SUPPORTED OFF OF THE STRUCTURE.
- HATCHED DUCTWORK TO BE ACOUSTIC INTERNALLY INSULATED.
- REPLACE ISOLATION VALVES ON ALL RADS.
- CONTROLS CONTRACTOR TO COORDINATE EXACT THERMOSTAT LOCATIONS WITH FURNITURE.
- CONTRACTOR TO CONFIRM CEILING GRID DIMENSIONS WITH ARCHITECTURAL PRIOR TO ORDERING GRILLES.
- PROVIDE FIRE/SMOKE DAMPERS AT ALL MECHANICAL PENETRATIONS AT DASHED LINE.

VAV BOX SCHEDULE				
VAV BOX No.	VAV BOX SIZE	ROOMS SERVED	MAX. L/S	REMARKS
102.2	150#	102.02,102.04	72	NEW, BALANCE AIR VOLUMES
118.1	100#	118.01	76	RE-USED, BALANCE AIR VOLUMES
119.2	150#	118.02,118.03	118	RE-USED, BALANCE AIR VOLUMES
121.1	150#	121.05	94	NEW, BALANCE AIR VOLUMES
210.01	200#	210.12	245	RE-USED, BALANCE AIR VOLUMES
210.02	150#	209.10	170	RE-USED, BALANCE AIR VOLUMES
210.91	150#	210.02	151	NEW, BALANCE AIR VOLUMES
210.92	250#	210.10	453	NEW, BALANCE AIR VOLUMES



4 PARTIAL FIRST FLOOR PLUMBING PLAN  
 M1.1 1:100

1	TENDER SET	13/07/05
revisions	description	date
Client		
<b>R.050172.002 FOR PWGSC</b>		
project title		
<b>OFFICE RENOVATIONS</b>		
<b>REGINA, SASKATCHEWAN</b>		
approved by		
designed by		
drawn by		
PWGSC Project Manager		
SK		
PWGSC, Architectural and Engineering Resources Manager		
KD		
Client		
KL		
drawing title		
<b>PARTIAL FIRST FLOOR MECHANICAL PLAN</b>		
project no.	sheet	revision no.
R.050172.002	M1.1	