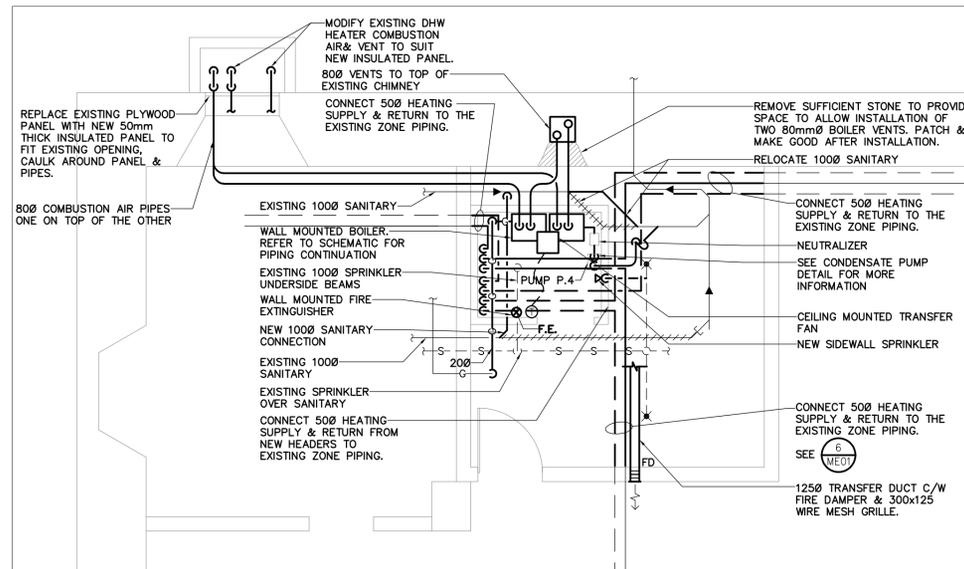
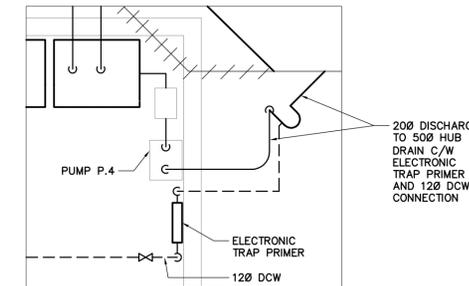


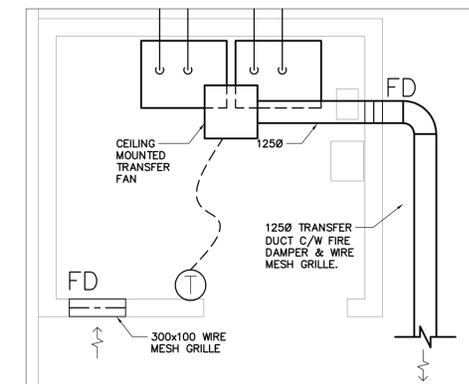
**1 PART BASEMENT FLOOR PLAN DEMOLITION - MECHANICAL**  
ME01 1:50



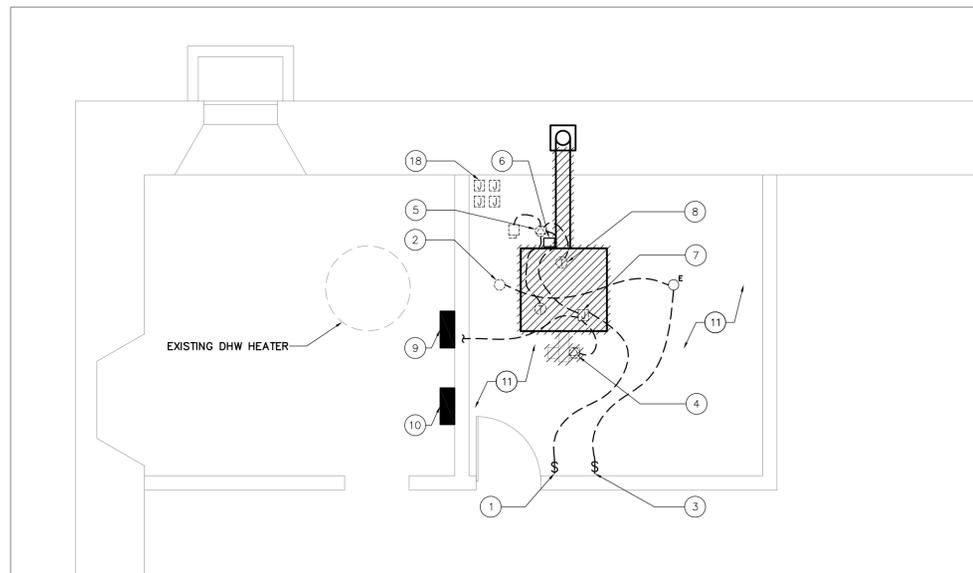
**2 PART BASEMENT FLOOR PLAN NEW - MECHANICAL**  
ME01 1:50



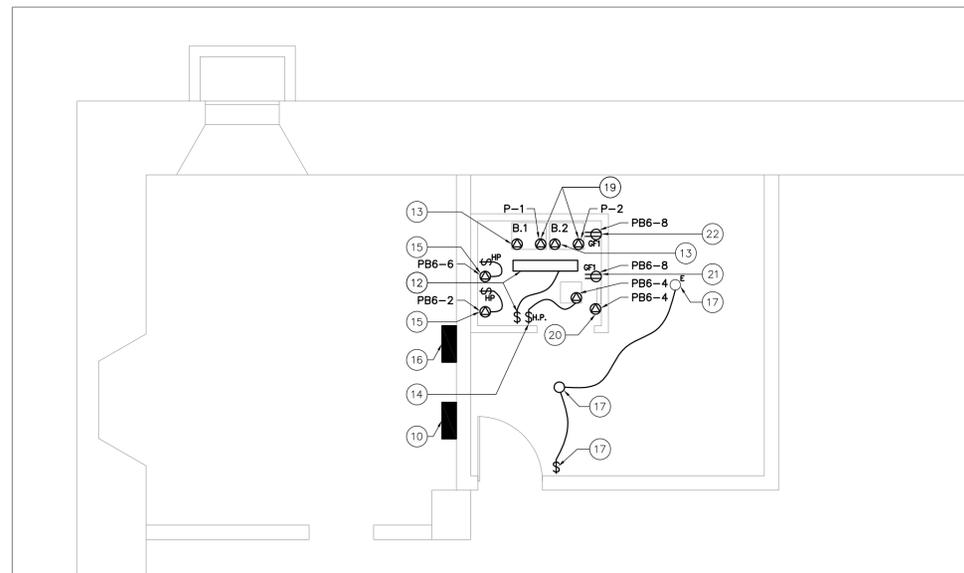
**3 CONDENSATE PUMP DETAIL**  
ME01 1:20



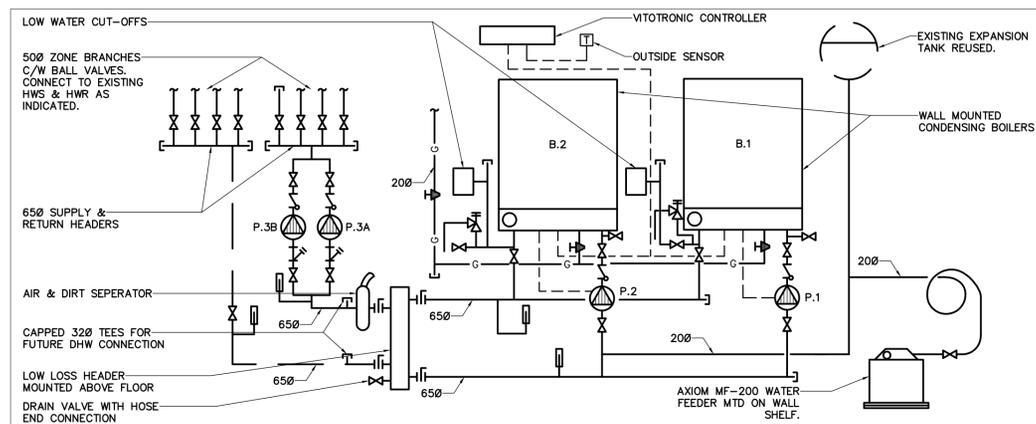
**4 TRANSFER EXHAUST AIR DUCT DETAIL**  
ME01 1:20



**4 PART BASEMENT FLOOR PLAN DEMOLITION - ELECTRICAL**  
ME01 1:50



**5 PART BASEMENT FLOOR PLAN NEW - ELECTRICAL**  
ME01 1:50



**6 SCHEMATIC - BOILER PIPING**  
ME01 N.T.S.

- ELECTRICAL DRAWING NOTES**
- DISCONNECT AND REMOVE EXISTING WALL MOUNTED SWITCH CONTROL FOR BOILER BEING REMOVED C/W ALL WIRING BACK TO SOURCE AND MAKE SAFE. RETAIN EXISTING CIRCUIT FOR NEW BOILERS.
  - DISCONNECT AND RELOCATE EXISTING PORCELAIN LAMP HOLDER LIGHT TO NEW LOCATION. REFER TO NEW WORK FOR RELOCATION.
  - DISCONNECT AND REMOVE EXISTING WALL MOUNTED LIGHT SWITCH C/W ALL WIRING FOR LIGHTING BEING REMOVED.
  - DISCONNECT EXISTING BOILER CONNECTION AND REMOVE ALL WIRING, JUNCTION BOXES BACK TO SOURCE AND MAKE SAFE.
  - DISCONNECT EXISTING PUMP CONNECTION AND REMOVE ALL WIRING, JUNCTION BOXES BACK TO SOURCE AND MAKE SAFE. RETAIN CIRCUIT FOR NEW WORK.
  - DISCONNECT EXISTING CONNECTION WATTS LEVEL CONTROLLER AND REMOVE ALL WIRING, JUNCTION BOXES BACK TO SOURCE AND MAKE SAFE.
  - DISCONNECT AND REMOVE EXISTING JUNCTION BOX WIRING AT CEILING AND CONNECTIONS FOR BOILER AND ASSOCIATED EQUIPMENT BACK TO SOURCE AND MAKE SAFE.
  - DISCONNECT, REMOVE AC90 WIRING CONNECTIONS FOR BOILER TEMPERATURE SENSORS.
  - EXISTING PANEL PB5, 120/240V, 3PH., 3W (SQUARE 'D'-0024L-1 SER G1). PROVIDE 1-20A, 1P BREAKER IN PANEL.
  - EXISTING PANEL PB6, 120/240V, 3PH., 3W (SIEMENS EQ LOAD CENTRE). PROVIDE 4-15A, 1P NEW BREAKERS IN PANEL.
  - LOCATE, TRACE ALL EXISTING COMMUNICATION/TELECOM CABLING CURRENTLY RUNNING WITHIN AND THROUGH EXISTING BOILER ROOM AND PROVIDE REMOVAL OF ALL REDUNDANT CABLING DURING DEMOLITION. MAINTAIN EXISTING CABLING STILL IN USE AND PROVIDE INDEPENDENT SUPPORT TO AVOID INTERFERENCE FROM EXISTING OTHER SYSTEMS. CONFIRM AND COORDINATE ON SITE WITH BUILDING TENANT TO PROVIDE NOTICE OF WORK INVOLVED BEFORE STARTING REMOVALS.
  - PROVIDE NEW LIGHT FIXTURE, 1 LAMP -T8, 32WATT, 120V WITH WIRE GUARD SURFACE MOUNTED AT NEW BOILER ROOM CEILING C/W NEW LIGHT SWITCH CONTROL.
  - PROVIDE 120V HARDWIRE CONNECTION OF BOILER UNIT (B-1, B-2). CONFIRM EXACT LOCATION ON SITE TO SUIT BOTH. CONNECT TO EXISTING BOILER CIRCUIT FROM DEMOLITION.
  - PROVIDE 120V, 1Ø, CONNECTION TO NEW TRANSFER FAN, AND CONNECT TO CIRCUIT INDICATED.
  - PROVIDE 120V, 1PH., CONNECTION TO NEW PUMPS P-3A, AND P-3B, 5/8HP C/W MANUAL MOTOR STARTER DISCONNECT SWITCH. CONNECT PUMPS P-1 AND P-2 TO BE CONNECTED TO CIRCUIT 23.
  - EXISTING PANEL PB5, 120/240V, 3PH., 4W (SQUARE 'D'-0024L-1 SER G1). ALLOW FOR 1 - 20A, 1P, 120V NEW BREAKER FOR NEW BOILER PUMPS P-1 AND P-2 TO BE CONNECTED TO CIRCUIT 23.
  - PROVIDE NEW LIGHT SWITCH AND CONNECT TO RELOCATED LAMP HOLDER AND EXISTING LAMP HOLDER LIGHT FIXTURE. RECONNECT, REWIRE TO EXISTING LIGHT CIRCUIT.
  - RELOCATE EXISTING JUNCTION BOXES (4) TO NEW ACCESSIBLE LOCATION OUTSIDE NEW BOILER ROOM AREA. TRACE EXISTING CIRCUITS FEEDING BOXES, EXTEND AND PROVIDE ADDITIONAL WIRING TO SUIT NEW ACCESSIBLE LOCATION.
  - PROVIDE 120V, 1Ø CONNECTION TO NEW ELECTRONIC TRAP PRIMER, FROM PANEL PB6.
  - PROVIDE 120V, 15A GFI, DUPLEX RECEPTACLE FOR CONDENSATE PUMP PLUG-IN. CONNECT TO PANEL PB6.0
  - PROVIDE 120V, 15A GFI, DUPLEX RECEPTACLE FOR EACH BOILER CONTROL PLUG-IN. CONNECT TO CIRCUIT INDICATED.

MECHANICAL LEGEND	
SYMBOLS	DESCRIPTION
—	EXISTING HOT WATER PIPE RETURN
—	EXISTING HOT WATER PIPE SUPPLY
HWR	HOT WATER PIPE RETURN
HWS	HOT WATER PIPE SUPPLY
—S—	EXISTING SPRINKLER PIPE
—S—	NEW SPRINKLER PIPE
G	NEW GAS PIPE
G	EXISTING GAS PIPE
F.E.	FIRE EXTINGUISHER
FD	FIRE DAMPER
⊗	UPRIGHT SPRINKLER HEAD
▷	SIDEWALL SPRINKLER HEAD
◄	PLUMBING FLOW ARROW

ELECTRICAL LEGEND	
SYMBOLS	DESCRIPTION
□	DISCONNECT SWITCH
⊞	LIGHT SWITCH
□	JUNCTION BOX
⊞	EXISTING LIGHT TO REMAIN
⊞	DUPLEX RECEPTACLE, GFI TYPE, 120V, 20A
⊞	MOTOR RATED SWITCH
⊞	NEW HARDWIRE CONNECTION
⊞	THERMOSTAT
—	NEW WORK
—	EXISTING TO REMAIN
---	EQUIPMENT TO BE REMOVED

issued or revised émis ou révisé		
no.	description	date
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2	RE-ISSUED FOR CLIENT REVIEW	2014.05.16
1	ISSUE FOR CLIENT REVIEW	2014.03.31

project  
projet

MAPLELAWN 529 RICHMOND  
ROAD OTTAWA

PHASE 2

drawing  
dessin

BOILER REPLACEMENT

approved by  
approuvé par J.M.

designed by  
conçu par N.B.

drawn by  
dessiné par M.B.

date 2014.05.16 scale AS SHOWN  
sheet no. no. de la feuille  
no. du projet de la CCN no. de la feuille  
RD-5155-05 ME01