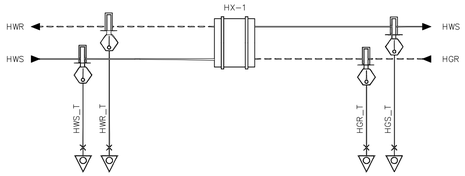

1 M9.1 PLATE AND FRAME HEAT EXCHANGER
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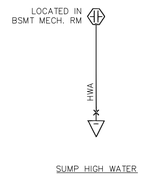

2 M9.1 ALARMS
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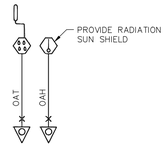
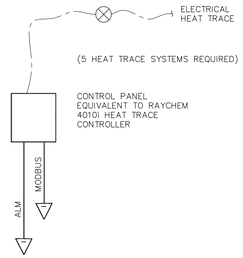
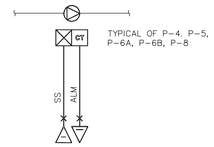


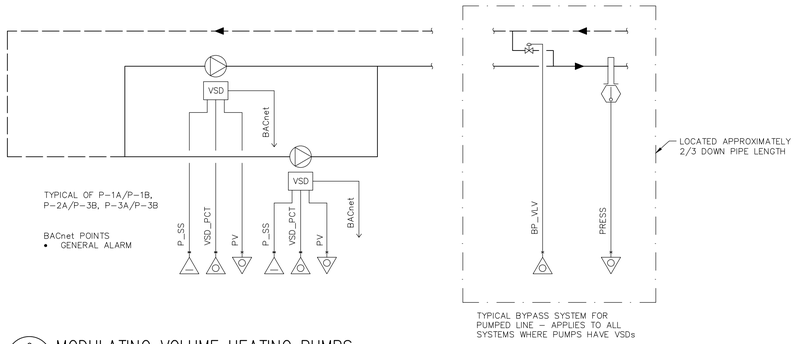
3 M9.1 OUTDOOR AIR TEMPERATURE AND HUMIDITY SENSORS
SCALE: NTS



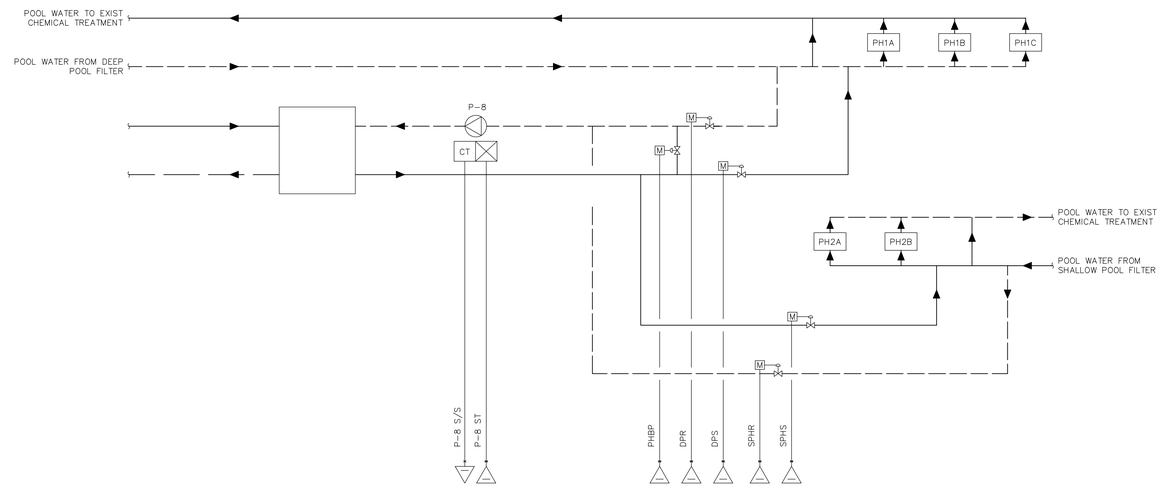
4 M9.1 ELECTRIC HEAT TRACE MONITORING
SCALE: NTS



5 M9.1 CONSTANT VOLUME HEATING PUMPS
SCALE: NTS



6 M9.1 MODULATING VOLUME HEATING PUMPS
SCALE: NTS



7 M9.1 POOL WATER HEAT RECOVERY
SCALE: NTS

ABBREVIATIONS:

AI	ANALOG INPUT
AHU	AIR HANDLING UNIT
ALARM	ALARM
ALM	ALARM
AO	ANALOG OUTPUT
B	BOILER
BP	BYPASS VALVE
CO2	CARBON DIOXIDE
DAT	DISCHARGE AIR TEMPERATURE
DI	DIGITAL INPUT
DHC	DUCT HEATING COIL
DHWT	DOMESTIC HOT WATER TANK
DO	DIGITAL OUTPUT
DP	DIFFERENTIAL PRESSURE
DPR	DEEP POOL RETURN
DPS	DEEP POOL SUPPLY
E/A	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EAD_POS	EXHAUST AIR DAMPER POSITION
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EFS	EXHAUST FAN STATUS
EFV	EXHAUST FAN VOLUME
EF-PCT	EXHAUST FAN SPEED %
FFLTP	FINAL FILTER PRESSURE DROP
FPD	FILTER PRESSURE DROP
FT	FLOOR TEMPERATUR
HCV	HEATING CONTROL VALVE
HGR	HEATING GLYCOL RETURN
HGS	HEATING GLYCOL SUPPLY
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
HWA	HIGH WATER ALARM
HMV	HEATING WATER VALVE
LAT	LEAVING AIR TEMPERATURE
LTA	LOW TEMPERATURE ALARM
MAD	MIXED AIR DAMPER
MAT	MIXED AIR TEMPERATURE
MECH RM SP	MECHANICAL ROOM STATIC PRESSURE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTDOOR AIR
OAD	OUTDOOR AIR DAMPER
OAD_POS	OUTDOOR AIR POSITION
OAH	OUTDOOR AIR HUMIDITY
OAT	OUTDOOR AIR TEMPERATURE
P	PUMP
PCT	PERCENT
PFLTP	PREFILTER PRESSURE DROP
PHBP	POOL HEAT BYPASS
PV	PUMP FLOW RATE
RAD	RETURN AIR DAMPER
RAD_POS	RETURN AIR DAMPER POSITION
RAT	RETURN AIR TEMPERATURE
RELIEF AD	RELIEF AIR DAMPER
RELIEF_POS	RELIEF AIR DAMPER POSITION
RF	RETURN FAN
RF_PCT	RETURN FAN SPEED %
RFV	RETURN FAN VOLUME
SA	SUPPLY AIR
SASP	SUPPLY AIR STATIC PRESSURE
SAT	SUPPLY AIR TEMPERATURE
SF	SUPPLY FAN
SFS	SUPPLY FAN STATUS
SFV	SUPPLY FAN VOLUME
SFV_PCT	SUPPLY FAN SPEED PERCENTAGE
SPHS	SHALLOW POOL HEAT SUPPLY
SPHR	SHALLOW POOL HEAT RETURN
SPS	SUPPLY PRESSURE SENSOR
SPT	SPACE TEMPERATURE
S/S	START/STOP
SSW	SAIL SWITCH
ST	STATUS
T	TEMPERATURE
V	VOLUME
VAVD	VARIABLE AIR VOLUME DAMPER
VAVF	VARIABLE AIR VOLUME FLOW
VFD/VSD	VARIABLE FREQUENCY DRIVE
VLV	VALVE
WAF	WASHROOM AIR FLOW
WF	WATER FEATURE

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MCW Consultants Ltd.
13600
210-1821 Wellington Avenue
Winnipeg, Manitoba, R3H 0G4
Phone - (204) 775-7300
mcw_wpg@mcw.com
www.mcw.com

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J.E. VAN LEEUWEN
Member
36282
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LM Architectural Group
500-136 Market Ave
Winnipeg Manitoba Canada R3B 0P4
t: (204) 942.0681 f: (204) 943.8676
www.lm-architects.com

CITY OF WINNIPEG
BONIVITAL POOL RENEWAL

1215 Archibald St, Winnipeg, MB.

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