



2 AHU-1 CONDENSATE DRAIN SCHEMATIC
SCALE: N.T.S.

GENERAL NOTES:

1. THIS DRAWING IS DIAGRAMMATIC ONLY. DO NOT SCALE.
2. THE MECHANICAL SYSTEMS SHOWN ARE APPROXIMATE IN LOCATION ONLY. CONTRACTOR TO VERIFY EXACT LOCATION OF SYSTEMS BEING MODIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK.
3. ALL WORK SHALL COMPLY WITH THE MOST CURRENT VERSION OF ALL APPLICABLE CODES AND STANDARDS, WHICH SHALL BE CONSIDERED PART OF THESE CONTRACT DOCUMENTS. IN THE CASE OF CONFLICTING REQUIREMENTS, THE MOST STRINGENT REGULATION SHALL PREVAIL.
4. CONTRACTOR TO MAINTAIN CURRENT AND READILY REVIEWABLE AS-BUILT DRAWINGS ACCURATELY REFLECTING SITE INSTALLATIONS.
5. CONTRACTOR TO ENSURE ALL MATERIALS MODIFIED OR INSTALLED IN AN AIR PLENUM ARE RATED FOR SUCH USE.
6. CONTRACTOR TO MAINTAIN DIGITAL PHOTOGRAPHIC RECORDS OF ALL INSTALLATIONS PRIOR TO CONCEALMENT BY SUPPORTING TRADES.
7. MECHANICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR SCANNING, CUTTING AND PATCHING OF FLOOR AND SLAB TO DETERMINE EXACT LOCATION OF EXISTING DRAIN PIPES WHERE NEW DRAIN PIPES TIE IN.
8. PROVIDE CAP ON ALL PIPING TO PREVENT DEBRIS ENTERING SYSTEM.
9. SCAN STRUCTURE PRIOR TO CORING, COORDINATE WITH STRUCTURAL.

DRAWINGS NOTES:

1. PROVIDE LEONARD THERMOSTATIC MIXING VALVE COMPLETE WITH TEMPERATURE GAUGE FOR A GROUP OF SHOWER HEADS ABOVE.
2. PROVIDE NEW DOMESTIC WATER PIPING FOR NEW PLUMBING FIXTURES THROUGH THE MAIN FLOOR.
3. PROVIDE NEW SANITARY MOUNTED AT HIGH LEVEL IN BASEMENT/CRAWLSPACE FOR NEW PLUMBING FIXTURES ABOVE.
4. CONNECT THE NEW POOL HEATERS INTO THE EXISTING POOL CIRCULATING SYSTEMS AS PER THE HEATING SCHEMATICS ON DRAWING MB.1.
5. PROVIDE NEW POOL HEAT RECOVERY PIPING FROM NEW AHU-1.
6. PROVIDE NORMALLY CLOSED VALVES FOR HOT TUB AND POOL B (DEEP).
7. PROVIDE NORMALLY OPENED VALVES FOR POOL A (SHALLOW).
8. REFER TO CONTRACT DELETE #1.
9. CONNECT THE CONDENSATE FROM AHU-1 VIA INDIRECT CONNECTION INTO HUB DRAIN AS SHOWN. REFER TO MECHANICAL DETAIL M4.0/2 ON THIS SHEET FOR FURTHER INFORMATION.
10. PROVIDE AN ALARM ON THE HEAT TRACE FOR THE AHU-1 PIPING.
11. INSTALL NEW CONDENSATE PUMP (P-10) IN THIS APPROXIMATE LOCATION CONNECTED TO AHU-2 DRAIN PAN COMPLETE WITH DEEP SEAL TRAP CONNECTION. RUN PUMPED LINE UP TO HIGH LEVEL AND OFFSET TO EXISTING SINK NEARBY IN BASEMENT AND CONNECT TO SANITARY SYSTEM.
12. CONNECT CONDENSATE FROM AC-3 CONDENSATE PUMP TO EXISTING SINK SANITARY.
13. EXISTING RAINWATER LEADER FROM ABOVE.



2	JULY 13, 2022	ISSUED FOR ADD#06	
1	JUNE 21, 2022	ISSUED FOR CONSTRUCTION	
No.	Date	Issue / Revision	By

Drawn By: EJ
Printing Date:

Drawings and specifications, as instruments of service are the property of the architects, the copyright in the same being reserved to them. No reproduction may be made without the permission of the architects, and when made, must bear their names. All prints to be returned.
The contractor is to verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the architects for adjustment.



GAS LOAD CHART

EQUIPMENT NO.	INPUTS
NEW BOILER B-1 IN BASEMENT	1,250,000 BTUH
NEW BOILER B-2 IN BASEMENT	1,250,000 BTUH
NEW AIR HANDLING UNIT AHU-1 OUTSIDE	1,000,000 BTUH
EXISTING EMERGENCY GENERATOR	200,000 BTUH
TOTAL	3,700,000 BTUH

**CITY OF WINNIPEG
BONIVITAL POOL RENEWAL**

1215 Archibald St, Winnipeg, MB.

**BASEMENT -
PLUMBING RENOVATION
LAYOUT**

1 BASEMENT - PLUMBING RENOVATION LAYOUT
SCALE: 1:100