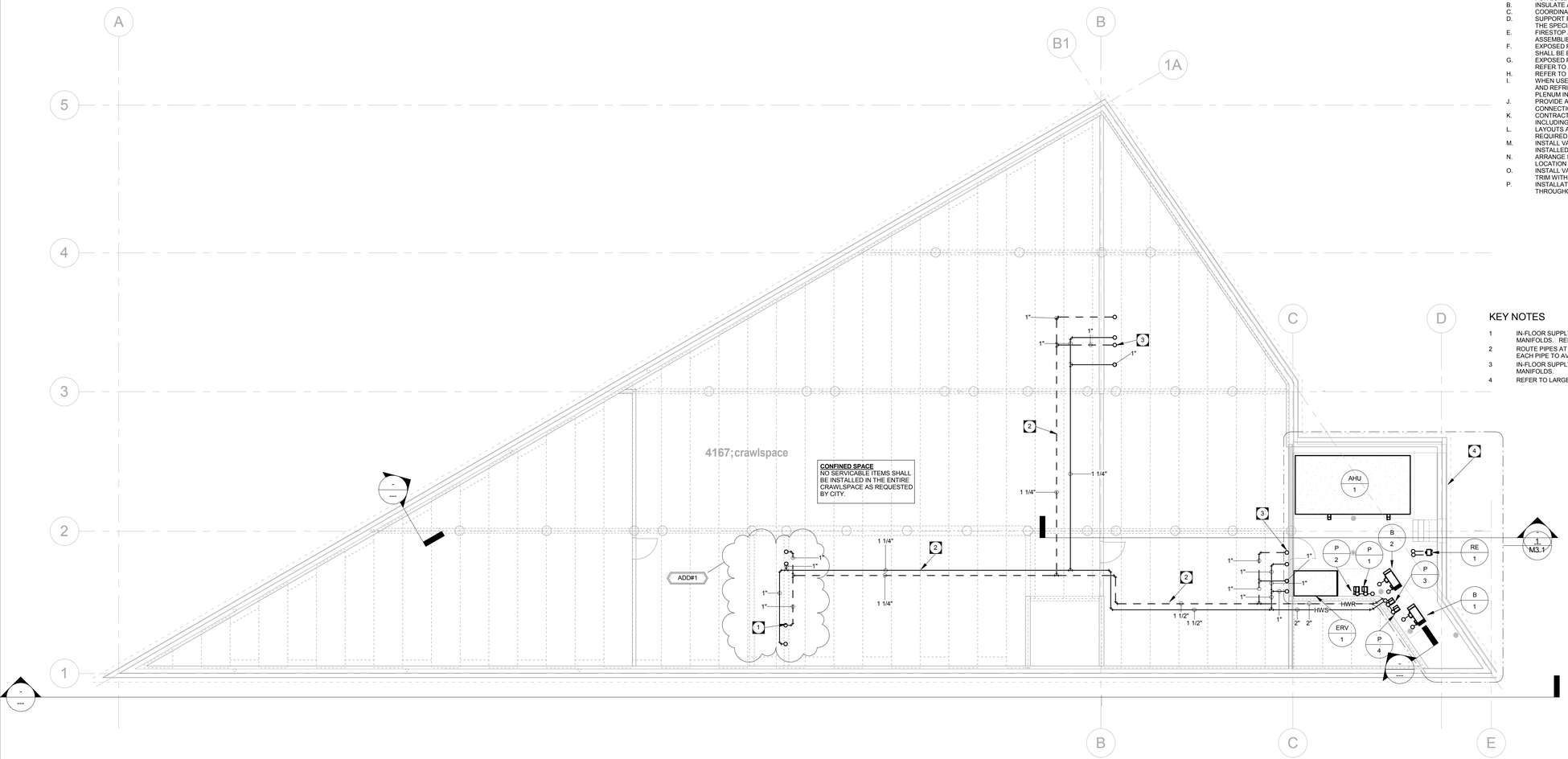
GENERAL NOTES

A. PIPING SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ASME B31.9 CODE FOR BUILDING SERVICES PIPING.
B. INSULATE ALL HYDRONIC PIPING IN ACCORDANCE WITH THE SPECIFICATIONS.
C. COORDINATE PIPE RUNS IN THE BULKHEAD WITH OTHER TRADES TO AVOID CONFLICTS.
D. SUPPORT PIPING IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE SPECIFICATIONS.
E. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS
F. EXPOSED PIPING IN MECHANICAL ROOMS AND CRAWLSPACES AND OCCUPIED AREAS SHALL BE ENCLOSED WITH PVC JACKET.
G. EXPOSED PIPING IN OCCUPIED SPACES SHALL BE PAINTED BY THE PAINTING CONTRACTOR. REFER TO ARCHITECTURAL NOTES.
H. REFER TO SCHEMATIC AND DETAILS FOR PIPING AND EQUIPMENT ARRANGEMENT.
I. WHEN USED IN RETURN-AIR PLENUMS, INSULATION MATERIALS FOR DOMESTIC, HYDRONIC, AND REFRIGERANT PIPING TO MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
J. PROVIDE A MINIMUM OF TWO 90-DEGREE CHANGES IN DIRECTION AT EACH BRANCH CONNECTION TO ALLOW FOR PIPE MOVEMENT.
K. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FIELD-FABRICATED EXPANSION LOOPS INCLUDING ANCHORS AND GUIDES.
L. LAYOUTS ARE SCHEMATIC. ADDITIONAL OFFSETS AND ELBOWS SHALL BE INSTALLED AS REQUIRED TO ACCOMMODATE ALL EXISTING CONDITIONS.
M. INSTALL VALVES WITH THE STEMS VERTICAL. WHEN THIS IS NOT POSSIBLE, THEY MAY BE INSTALLED ROTATED BUT NEVER LESS THAN HORIZONTAL UNDER ANY CIRCUMSTANCE.
N. ARRANGE ISOLATION VALVES STAGGERED WHERE THEY ARE INSTALLED IN A COMMON LOCATION SO THEY ARE COMPLETELY AND CONVENIENTLY ACCESSIBLE.
O. INSTALL VALVES WITH ADEQUATE ROOM TO PERMIT REMOVAL OF THE BONNET, DISK, AND TRIM WITHOUT REMOVING THE VALVE FROM THE LINE.
P. INSTALLATION SHALL PROVIDE MINIMUM 2050mm (80") OF CLEAR HEAD ROOM THROUGHOUT ALL MECHANICAL ROOMS.

KEY NOTES

1 IN-FLOOR SUPPLY AND RETURN PIPING TO RISE/DROP THROUGH FLOOR AND CONNECT TO MANIFOLDS. REFER TO STRUCTURAL FOR DETAIL AND ROUGH-IN REQUIREMENTS.
2 ROUTE PIPES AT HIGH LEVEL WITHIN THE CRAWLSPACE. MAINTAIN ONE ELEVATION FOR EACH PIPE TO AVOID AIR VENTS.
3 IN-FLOOR SUPPLY AND RETURN PIPING TO RISE/DROP THROUGH FLOOR AND CONNECT TO MANIFOLDS.
4 REFER TO LARGE SCALE MECHANICAL PLANS.



1 MY2.1 CRAWLSPACE PLAN - HYDRONIC
SCALE: 1/8" = 1'-0"

Certificate of Authorization
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OWNER

Winnipeg
CITY OF WINNIPEG - PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
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PROJECT
Windsor Park Library

ADDRESS
1201 Archibald Street

DATE
April 20, 2016

SCALE
As indicated

crawlspace - hydronic

MY2.1