

DRAWING NOTES:

- 1 150mm WATER MAIN TO RISE UP THROUGH FROST BOX AND SERVICE 50mm WATER METER. REFER TO INCOMING WATER DETAIL FOR ADDITIONAL INFORMATION.
- 2 TO SPRINKLER TREE. REFER TO INCOMING WATER DETAIL FOR ADDITIONAL INFORMATION.
- 3 20mm DW/DHW TO DROP DOWN IN WALL AND SERVE 3 COMPARTMENT SINK. COORDINATE WITH ALL TRADES.
- 4 12mm DW TO DROP DOWN IN WALL AND SERVICE ICE MACHINE WATER TO RUN THROUGH WATER FILTRATION SYSTEM PRIOR TO CONNECTING TO ICE MACHINE. PROVIDE S.O.V., BFP, AND PRV.
- 5 12mm DW/DHW TO DROP DOWN IN WALL AND RUN UNDERSLAB IN 150mm PVC PIPE. PIPING TO SERVICE TWO ISLAND SINKS.
- 6 12mm DW TO SERVE COFFEE MAKER. PROVIDE S.O.V., BFP, AND PRV. COORDINATE WITH ALL TRADES.
- 7 REMOTE REFRIGERATED DRINKING FOUNTAIN CHILLER TO BE SUSPENDED FROM STRUCTURE IN CEILING SPACE ABOVE WASHROOM. TIE DRAIN LINE FROM CHILLER TO NEAREST SUITABLE FLOOR DRAIN. COORDINATE WITH ALL TRADES.
- 8 50mm DW, 25mm DHW/DHWR AND 50mm DW (ICE) PIPING TO RISE UP TO MEZZANINE LEVEL. REFER TO MEZZANINE FLOOR PLAN FOR CONTINUATION OF PIPING.
- 9 38mm DW, 20mm DHW PIPING TO RISE UP TO MEZZANINE LEVEL. REFER TO MEZZANINE FLOOR PLAN FOR CONTINUATION OF PIPING.
- 10 38mm DW, 25mm DHW/DHWR AND 50mm DW (ICE) PIPING TO RISE UP TO MEZZANINE LEVEL. REFER TO MEZZANINE FLOOR PLAN FOR CONTINUATION OF PIPING.
- 11 PIPING TO BE SUSPENDED FROM NON-CORROSIVE CLEAVIS HANGERS AND TO BE SUSPENDED FROM STRUCTURE AS HIGH AS POSSIBLE. COORDINATE ROUTING OF PIPING WITH ALL TRADES.
- 12 50mm DHW (ICE) TO DROP DOWN AND SERVICE EXISTING ICE FLOODING HOSE REEL.
- 13 GAS FIRED HYDRONIC BOILERS TO BE MOUNTED ON WALL. TIE DRAIN LINE FROM BOILERS TO NEAREST SUITABLE FLOOR DRAIN.
- 14 NEW GAS FIRED DOMESTIC WATER HEATER DWH-1/2 AND EXISTING STORAGE TANKS. REFER TO ICE FLOODING SYSTEM FOR ADDITIONAL INFORMATION. INSTALL ON 100mm (4") CONCRETE HOUSEKEEPING PAD.
- 15 20mm DW TO DROP DOWN IN WALL AND SERVICE NON-FREEZE WALL HYDRANT. INSULATE PIPE 300mm (10"-0") BACK FROM POINT OF WALL PENETRATION.
- 16 EMERGENCY EYE WASH STATION COMPLETE WITH MIXING VALVE. COORDINATE WITH ALL TRADES.
- 17 FOR CONTINUATION OF 150mm WATER MAIN REFER TO CIVIL DRAWINGS. THE MECHANICAL SUBCONTRACTOR'S CONTRACT WILL END AT THIS POINT.
- 18 NATURAL GAS METER AND PRV BY GAS COMPANY. COORDINATE SERVICE AND PAY ALL FEES FOR GAS SERVICE.
- 19 NATURAL GAS LINE UP THRU ROOF TO SERVE MAU-1. REFER TO ROOF PLAN FOR CONTINUATION.
- 20 NATURAL GAS LINE UP TO MEZZANINE MECHANICAL ROOM.
- 21 NATURAL GAS LINE DOWN FROM MEZZANINE MECHANICAL ROOM.
- 22 PRV THRU NEAREST EXTERIOR WALL.
- 23 NATURAL GAS LINE TO DROP DOWN AND SERVE DWH-1 AND DWH-2. PROVIDE APPROVED SHUT OFF VALVE AT EACH HEATER.
- 24 CONTRACTOR TO VERIFY ROUTING ON SITE PRIOR TO INSTALLATION. COORDINATE WITH ALL TRADES.
- 25 RUN GAS PIPING IN CEILING SPACE AT HIGH LEVEL. (TYPICAL)
- 26 20mm DHW LINE DOWN IN WALL VALVED AND CAPPED TO SERVE FUTURE DISHWASHER. COORDINATE REQUIREMENTS WITH THE CONTRACT ADMINISTRATOR.

NOTES:

THIS DRAWING MUST BE SEALED.
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATA, AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING.
 VARIATIONS AND MODIFICATIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION OF THE CONTRACT ADMINISTRATOR.
 THIS DRAWING IS THE EXCLUSIVE PROPERTY OF NUMBER TEN ARCHITECTURAL GROUP AND THE COPYRIGHT IN THE SAME IS RESERVED TO THEM. IT MAY BE REPRODUCED ONLY WITH THE PERMISSION OF THE CITY OF WINNIPEG.

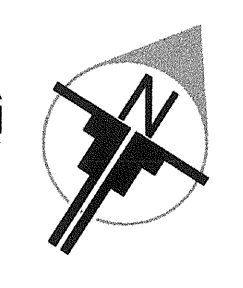
GENERAL NOTES:

1. EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS TO ENSURE THAT THE WORK CAN BE CARRIED OUT WITHOUT SIGNIFICANT CHANGES TO THE INTENT OF THE DOCUMENTS. NO FUTURE ALLOWANCE WILL BE MADE FOR CHANGES UNLESS THE CONTRACT ADMINISTRATOR HAS BEEN NOTIFIED IN WRITING OF ANY DISCREPANCIES OR INTERFERENCES, PRIOR TO THE CLOSE OF BID OPPORTUNITIES. NO ALLOWANCE WILL BE MADE FOR ITEMS THAT SHOULD HAVE BEEN NOTED DURING A PRE-BID OPPORTUNITY SITE INSPECTION.
2. MECHANICAL SUBCONTRACTOR SHALL VERIFY EXACT LOCATIONS, CONNECTIONS, SIZES, INVERTS, ETC. PRIOR TO BID OPPORTUNITY CLOSE AND COMMENCEMENT OF WORK.
3. FOR SANITARY PIPE 100mm (4") AND UP THE PIPE IS TO SLOPE AT 1% UNLESS OTHERWISE NOTED.
4. MECHANICAL SUBCONTRACTOR TO ENSURE THAT CLEANOUTS ARE LOCATED IN ACCESSIBLE LOCATIONS.
5. MECHANICAL SUBCONTRACTOR SHALL REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL DRAWINGS, THE CITY'S EQUIPMENT SUPPLIER SHOP DRAWINGS, ETC FOR EXACT LOCATIONS, OF ALL FIXTURES, EQUIPMENT, ETC.
6. MECHANICAL CONTRACTOR TO PROVIDE ALL ROUGH-IN FOR THE CITY SUPPLIED EQUIPMENT. FINAL CONNECTION TO BE BY THE MECHANICAL SUBCONTRACTOR, UNLESS NOTED OTHERWISE.
7. ALL PLUMBING INSTALLATIONS ETC. SHALL BE PERFORMED IN ACCORDANCE WITH ALL CODES, REGULATIONS & AUTHORITIES HAVING JURISDICTION.
8. ALL VENT PIPING TO BE INSTALLED AS PER CODE.
9. SHUTOFF VALVES (S.O.V.) TO BE INSTALLED ON ALL LINES SERVING FIXTURES & EQUIPMENT.
10. DOMESTIC WATER RUN OUTS SHALL BE 13mm (1/2") UNLESS OTHERWISE NOTED.
11. COORDINATE PLUMBING WITH DUCT RUNS, SPRINKLER PIPING, & ALL OTHER TRADES.
12. PROVIDE ISOLATION VALVES AT BASE OF EACH RISER & AT EACH FIXTURE.
13. PROVIDE APPROVED SHUT-OFF VALVES AT ALL GAS FIRED EQUIPMENT.

NATURAL GAS LOADS	
MAU-1	55.7 KW (190 MBH)
GUH-1	30.8 KW (105 MBH)
DWH-1	88.0 KW (300 MBH)
DWH-2	88.0 KW (300 MBH)
DWH-3	88.0 KW (300 MBH)
DWH-4	88.0 KW (300 MBH)
B-1	44.0 KW (150 MBH)
B-2	44.0 KW (150 MBH)
AHU-1	132.0 KW (450 MBH)
TOTAL GAS LOAD	658.5 KW (2245 MBH)
LONGEST RUN INCLUDING FITTINGS = 107m (350 FT.)	

NATURAL GAS PRV SCHEDULE (5 PSIG TO 7" W.C.)	
PRV-1	55.7 KW (190 MBH)
PRV-2	176.0 KW (600 MBH)
PRV-3	294.8 KW (1005 MBH)
PRV-4	132.0 KW (450 MBH)
TOTAL	658.5 KW (2245 MBH)

1 MAIN FLOOR PLAN - PLUMBING
 W-2.1 SCALE: 1:100



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NO.	REVISED/ISSUED/PLOTTED	DATE
1	DESIGN DEVELOPMENT SUBMISSION	31/AUG/07
2	ISSUED FOR 40% REVIEW	28/OCT/07
3	ISSUED FOR 80% REVIEW	07/DEC/07
4	ISSUED FOR 100% REVIEW	11/MAN/08
5	ISSUED FOR TENDER	18/MAN/08

NO.	REVISION/DESCRIPTION	BY	DATE

SEALS

DRAWN BY	LR	CHECKED BY	LR	APPROVED

CITY OF WINNIPEG
 WINNIPEG
 PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
 CIVIC ACCOMMODATIONS DIVISION
 300 - 65 GARRY ST. R3C 4K4

PROJECT
BRONX PARK COMMUNITY CENTRE
 HOME OF
GOOD NEIGHBOURS SENIOR CENTRE
 WINNIPEG, MB
 SHEET TITLE
MAIN FLOOR PLAN
PLUMBING LAYOUT

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	PP&D 2006-065	M-2.1

DRAWING SHEET SIZE: ARCH E1 (42" x 30") PLOT 1:1