

## MECHANICAL DRAWINGS

<b>SYMBOLS &amp; ABBREVIATIONS</b>	<b>LARGE SCALE PLANS</b>
M0.1 symbols & abbreviations	M3.1 large scale plan
<b>SITE PLANS</b>	<b>SCHEMATICS &amp; RISER DIAGRAMS</b>
M1.1 site plan	M5.1 mechanical sections
<b>PLUMBING DRAWINGS</b>	<b>CONTROLS SCHEMATICS</b>
MP2.1 crawspace - plumbing	M6.1 control schematics
MP2.2 main floor - plumbing	M6.2 control schematics
MP4.1 details - plumbing	
<b>HYDRONIC DRAWINGS</b>	<b>SCHEDULES</b>
MY2.1 crawspace - hydronic	M7.1 hvac & plumbing schedule
MY2.2 main floor - hydronic	
MY3.1 hydronic schematic	
MY4.1 details - hydronic	
<b>HVAC DRAWINGS</b>	
MH2.1 crawspace - hvac	
MH2.2 main floor - hvac	
MH4.1 details - hvac	
MH4.2 details - hvac	

### PLUMBING LINE TYPE

----	DOMESTIC COLD WATER
----	DOMESTIC HOT WATER RECIRCULATION LINE
----	DOMESTIC HOT WATER
—RWL—	RAIN WATER LEADER
—SS—	STORM SEWER
----	SANITARY WASTE ABOVE FLOOR OR GRADE
----	SANITARY WASTE BELOW FLOOR OR GRADE
—IW—	INDIRECT WASTE
—PC—	PUMPED CONDENSATE
—C—	CONDENSATE LINE

### PLUMBING SYMBOLS

	FLOOR DRAIN
	ROOF DRAIN
	PIPE RISE
	PIPE DROP
	TRAP
	CLEAN OUT
	HOSE BIBB
	UNION
	FLANGE
	SHUT-OFF VALVE
	CHECK VALVE
	PUMP
	FIXTURE TAG
	EQUIPMENT TAG
	KEY NOTE
	DEMOLITION NOTE
	DRAWING HEADER
	WATER METER

### HYDRONIC SYMBOLS

	PIPE RISE
	PIPE DROP
	PUMP
	SHUT-OFF VALVE
	SHUT-OFF VALVE NORMALLY CLOSED
	CONTROL VALVE
	THREE WAY CONTROL VALVE
	CHECK VALVE
	AUTOMATIC FLOW CONTROL VALVE
	HOSE END VALVE
	PIPE ANCHOR
	PIPE GUIDE
	DIRECTION OF FLOW
	MANUAL AIR VENT
	EXPANSION JOINT
	AUTOMATIC AIR VENT
	VOLUME METER
	MASS FLOW METER
	RADIATION ELEMENT TAG
	EQUIPMENT TAG

### HYDRONIC SYMBOLS

	GATE VALVE
	GLOBE VALVE
	PRESSURE REDUCING VALVE
	AUTO REFILL VALVE
	PRESSURE RELIEF VALVE
	TEMP. & PRESSURE RELIEF VALVE
	BALL VALVE
	3-WAY VALVE
	PLUG VALVE
	CALIBRATED BALANCING VALVE
	SQUARE HEAD COCK
	BUTTERFLY VALVE
	UNION
	STRAINER
	BLOWDOWN STRAINER W/ GATE VALVE, HOSE-END ADAPTOR, WITH CAP
	PRESSURE GAUGE
	THERMOMETER
	HOSE BIBB

### HVAC LEGEND

	SUPPLY AIR/OUTSIDE AIR DUCT RISER
	RETURN AIR/EXHAUST AIR DUCT RISER
	MANUAL BALANCING DAMPER
	FIRE DAMPER & ACCESS DOOR
	MOTORIZED DAMPER, BLADES PARALLEL W/ FLOOR UNLESS NOTED OTHERWISE
	TURNING VANES
	ACOUSTIC INSULATION
	DIFFUSER TAG / GRILLE TAG
	EQUIPMENT TAG
	KEY NOTE
	THERMOSTAT - LOW VOLTAGE
	THERMOSTAT - LINE VOLTAGE
	CARBON DIOXIDE SENSOR
	HUMIDISTAT
	PRESSURE SENSOR
	TEMPERATURE SENSOR

### FIXTURE SCHEDULE

MARK	PIPE SIZES			
	DCW	DHW	SANITARY	VENT
LAV-1	1/2"	1/2"	1 1/4"	1 1/4"
LAV-2	1/2"	1/2"	1 1/4"	1 1/4"
WC-1	1"	-	3"	-
UR-1	3/4"	-	2"	1 1/2"
SK-1	1/2"	1/2"	1 1/2"	1 1/4"
MS-1	1/2"	1/2"	3"	1 1/4"
DF-1	1/2"	-	1 1/4"	1 1/4"
WH-1	3/4"	-	-	-
HB-1	1/2"	-	-	-
FD-1	-	-	3"	-
FD-2	-	-	3"	-

\* FOLLOW PIPE SIZES GIVEN IN ABOVE CHART UNLESS DRAWING SHOWS DIFFERENTLY.



epp siepman engineering inc.

mechanical & electrical engineers  
 303-100 Osborne St. South  
 Winnipeg, MB R3L 1Y5  
 p 204.453.1080  
 ese@eppsiepman.com

16-03-31 Issued for Construction  
 revision

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF HIS ARCHITECTURE AND DAVID PENNER ARCHITECT AND MAY NOT BE REPRODUCED AND/OR USED IN ANY MANNER WITHOUT THEIR EXPRESSED WRITTEN PERMISSION. THE GENERAL CONTRACTOR AND MATERIALS SUPPLIERS SHALL CHECK ALL DIMENSIONS AND INFORMATION ON THIS DRAWING AND REPORT ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK. DO NOT SCALE THIS DRAWING.

OWNER



CITY OF WINNIPEG - PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT  
 MUNICIPAL ACCOMMODATIONS DIVISION  
 3rd FLOOR - 65 GARRY ST., WPG, R3C 4K4



David Penner, 204.475.8978  
 Hello Rodrigues, 204.774.0012  
 120 Yale Avenue, Winnipeg, MB, R3M 0L7

PROJECT

Windsor Park Library

ADDRESS

1201 Archibald Street

DATE

February 28, 2016

SCALE

As indicated

symbols & abbreviations  
**M0.1**