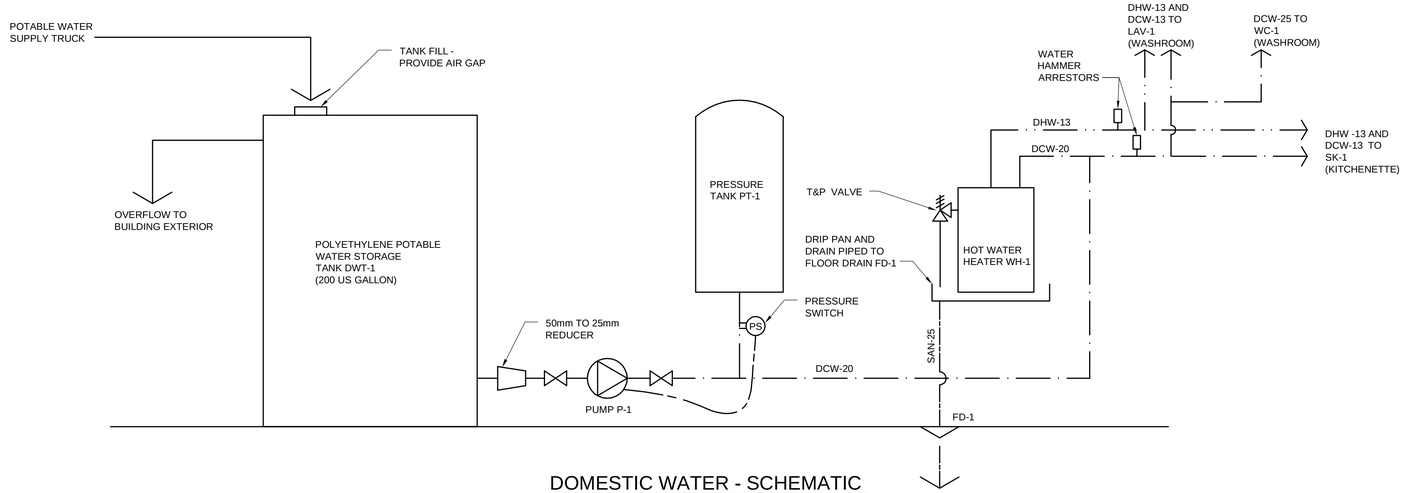

DOMESTIC WATER - SCHEMATIC

NTS

LEGEND	
SYMBOL	DESCRIPTION
DCW-13	DOMESTIC COLD WATER
DHW-13	DOMESTIC HOT WATER
	SANITARY
	GATE VALVE
	REDUCER
	PUMP
PS	PRESSURE SWITCH
	T&P VALVE
	FIRE EXTINGUISHER

SPLIT AIR CONDITIONER UNIT SCHEDULE

MARK	AREA	MANUFACTURER	MODEL	INDOOR UNIT			OUTDOOR UNIT			REMARKS
				ELECTRICAL	INPUT (kW)	COOLING CAP. (kW/h)	ELECTRICAL	INPUT (kW)	COOLING CAP. (kW)	
AC-1	SALES AREA	MITSUBISHI	MSY-GE09NA	-	-	1.1 / 3.6	-	-	-	INDOOR WALL MOUNTED, DUCTLESS HVAC UNIT c/w WIRELESS CONTROLLER AND MOUNTING ACCESSORIES
CU-1	OUTDOOR	MITSUBISHI	MUY-GE09NA	-	-	-	230V/60Hz/1PH	-	-	OUTDOOR WALL MOUNTED CONDENSING UNIT c/w CONDENSATE PUMPS, REFRIGERANT PIPING, AND ALL MOUNTING ACCESSORIES

EXHAUST FAN SCHEDULE

MARK	AREA	NAME	VOLUME L/s	E.S.P. kPa	ELECTRICAL	POWER RATING RPM	POWER RATING W	REMARKS
EF-1	ELECTRICAL ROOM	CENTRIFUGAL EXHAUST FAN	93	0.025	120/1/60	1400	113	VARIABLE VOLUME, CEILING MOUNTED FAN UNIT c/w 203x203 DUCT TO HALLWAY GRILLE. GREENHECK SP-A190 OR APPROVED EQUAL
EF-2	WASHROOM	CENTRIFUGAL EXHAUST FAN	24	0.025	120/1/60	-	5.1	CEILING MOUNTED VENTILATION FAN UNIT c/w 200 DUCT TO EXTERIOR WALL VENT CAP BROAN XB50 OR APPROVED EQUAL

SCREEN AIR CURTAIN SCHEDULE

MARK	AREA	MANUFACTURER	MODEL	VOLUME m³/h	VELOCITY m/s	ELECTRICAL	REMARKS
SAC-1	OFFICE	THERMOSCREENS	JET 3	200	6.0	208/1/60	SURFACE MOUNTED WITH ANGULAR ADJUSTMENT OF HEAT FLOW AND THREE FAN SETTINGS
SAC-2	OFFICE	THERMOSCREENS	JET 3	200	6.0	208/1/60	SURFACE MOUNTED WITH ANGULAR ADJUSTMENT OF HEAT FLOW AND THREE FAN SETTINGS

DOMESTIC WATER PRESSURE TANK SCHEDULE

MARK	AREA	MANUFACTURER	MODEL	CAPACITY (L)	DISCHARGE L/s	PRESSURE kPa	REMARKS
PT-1	MECH ROOM	AMTROL	WX-203	120	0.57	207/345	FLOOR MOUNTIED VERTICAL DIAPHRAGM-TYPE LINED PRESSURE TANK

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	CONNECTION SIZES DCW (mm)	HCW (mm)	DRAIN (mm)	REMARKS
WC-1	WATER CLOSET: EQUAL TO CRANE MODEL 38355 C/W 1.28 GPF HIGH EFFICIENCY FLUSH TANK. SEAT EQUAL TO CRANE MODDEL 8080. PROVIDE 15MM FLEX ANGLE SUPPLIES WITH HANDWHEEL STOPS AND ESCUTCHEON.	13	N/A	76	
LAV-1	BASIN: EQUAL TO AMERICAN STANDARD MODEL 0356.015. FAUCET EQUAL TO AMERICAN STANDARD MODEL 6502.170 C/W V05 0.5 GPM PRESSURE COMPENSATING VANDAL-RESISTANT SPRAY. CAST BRASS 32MM OFFSET WASTE WITH OPEN GRID STRAINER AND ADJUSTABLE P-TRAP. TRUEBRO WHITE VINYL INSULATED PIPE COVER ON DRAIN PIPING.	13	13	32	
SK-1	BASIN: EQUAL TO KINDRED MODEL QSL1719/8/1 C/W BASKET STRAINER WASTE FITTING. FAUCET EQUAL TO KINDRED MODEL KFPD1150 C/W 2.2 GPM WATER SAVER. SYMMONS 4-10B MECHANICAL MIXING VALVE. CAST BRASS 32MM ADJUSTABLE P-TRAP WITH CLEANOUT. PROVIDE 15MM BALL VALVE STOPS AND ESCUTCHEONS.	13	13	32	
FD-1	FLOOR DRAIN: EQUAL TO ZURN MODEL Z-221-VP 50mm.	N/A	N/A	50	c/w 50mm TRAP.

DOMESTIC WATER PUMP SCHEDULE

MARK	AREA	MANUFACTURER	MODEL	HEAD (M)	FLOW L/s	ELECTRICAL	REMARKS
P-1	MECH ROOM	GRUNDFOS	MQ3-45	32	0.57	115/1/60	COMPLETE WITH CHECK VALVE AND PRESSURE SWITCH

ELECTRIC HOT WATER HEATER SCHEDULE

MARK	AREA	MANUFACTURER	MODEL	ELECTRICAL	INPUT kW	CAPACITY (L)	REMARKS
WH-1	MECH ROOM	RHEEM	RE10	120/1/60	1.5	39	ELECTRIC WATER HEATER c/w WALL BRACKET FOR MOUNTING

GRILLE SCHEDULE

MARK	MANUFACTURER	MODEL	AIR FLOW L/s	REMARKS
DG-1	PRICE	620D - 205 x 150 / F / L / A / B12	94	DOOR GRILLE FOR ELECTRICAL ROOM DOOR
EG-1	PRICE	620D - 205 x 150 / F / L / A / B12	94	EXHAUST GRILLE LOCATED IN CORIDOOR

ELECTRIC BASEBOARD HEATER SCHEDULE

MARK	AREA	MANUFACTURER	MODEL	CAPACITY W	ELECTRICAL	REMARKS
BH-1 & 2	OFFICE	OUELLET	OPR1002	750	120V/1PH	HEAVY DUTY ELECTRIC, 275w/ft DENSITY c/w WALL MOUNTED COMMON PROGRAMMABLE THERMOSTAT
BH-3 & 4	HALLWAY	OUELLET	OPR1002	750	120V/1PH	HEAVY DUTY ELECTRIC, 275w/ft DENSITY c/w WALL MOUNTED COMMON PROGRAMMABLE THERMOSTAT
BH-5	WASHROOM	OUELLET	OPR1002	500	120V/1PH	HEAVY DUTY ELECTRIC, 275w/ft DENSITY c/w WALL MOUNTED COMMON PROGRAMMABLE THERMOSTAT
BH-6	MECH ROOM	OUELLET	OPR1002	300	120V/1PH	HEAVY DUTY ELECTRIC, 275w/ft DENSITY c/w INTEGRAL THERMOSTAT (SET TO 15°C)
BH-7	ELECT / IT RM	OUELLET	OPR1002	500	120V/1PH	HEAVY DUTY ELECTRIC, 275w/ft DENSITY c/w INTEGRAL THERMOSTAT (SET TO 15°C)

STORAGE TANK SCHEDULE

MARK	VOLUME L	DESCRIPTION
DWT-1	760 (200US GAL.)	POLYETHYLENE POTABLE WATER STORAGE TANK

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2014/06/19

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

B.M. ELEV.

NO.	REVISIONS	DATE	BY
1	ISSUED FOR TENDER	14/06/19	ARR

DESIGNED BY MEM
DRAWN BY JVH
CHECKED BY PDT , EWGG
APPROVED BY ARR
HOR. SCALE AS NOTED
VERTICAL
DATE MARCH 2014

DILLON CONSULTING

RELEASED FOR CONSTRUCTION
DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
P.D. TATARYN
2014/06/19
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
13-8224

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

4R WINNIPEG DEPOT
BRADY ROAD RESOURCE
MANAGEMENT FACILITY

SCALE HOUSE - MECHANICAL
SCHEDULES

CITY DRAWING NUMBER
1-0400A-M0002-002
SHEET 25 OF 35
CONSULTANT DRAWING NUMBER
M2

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