



CONTROLS SCHEMATIC - NEW DOMESTIC WATER BOILERS AND STORAGE TANKS
SCALE N.T.S.

NOTES:
 THESE DRAWINGS SHALL NOT BE SCALED.
 THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY HIMSELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.
 THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.
 ALL OPENINGS THROUGH THE FIRE SEPARATIONS AS A RESULT OF THE WORK OF THIS CONTRACT ARE TO BE FIRE STOPPED AND SEALED WITH U.L.C APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE AND SMOKE-TIGHT BARRIER.
 ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES.
 THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.
 WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.
 WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW MATERIAL, UNLESS OTHERWISE NOTED.

LEGEND:

DCW	DOMESTIC COLD WATER	PG	PRESSURE GAUGE
DHW	DOMESTIC HOT WATER	UN	UNION
DHW-R	DOMESTIC HOT WATER RETURN	T	TEMPERATURE SENSOR
→	FLOW DIRECTION	P	PRESSURE SENSOR
---	CONTROL WIRE	TM	THERMOMETER
HE	HEAT EXCHANGER	FS	FLOW SWITCH
FE	FORCE FLOW HEATER		
BE	BASEBOARD HEATER		
EXP	EXPANSION TANK		
HSE	HYDRONIC SYSTEM FEED		
PL	PUMP		
CV	CONTROL VALVE		
CRF	CHEMICAL ROT FEEDER		
LWCO	LOW WATER CUT OFF		
●	BALL VALVE		
○	BALANCE VALVE		
◇	BUTTERFLY VALVE		
◇	3-WAY VALVE		
◇	GATE VALVE		
◇	PRESSURE RELIEF VALVE		
△	AIR VENT		
AP	AIR PURGER		
◇	FILTER		
◇	SITE GLASS		
Y	DRAIN		
~	FLEXIBLE CONNECTION		
△	REDUCER		
○	TIE IN POINT		

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER	JS	16.11.26

SEAL

DRAWN	ML	CHECKED	DESIGNED	MAP	APPROVED
DATE		USER			APPROVAL

THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4

PROJECT
 REPLACEMENT OF
 DOMESTIC HOT WATER
 SYSTEM AT PAN AM POOL
 25 POSEIDON BAY

SHEET TITLE
 MECHANICAL
 CONTROLS SCHEMATIC - 1

SCALE	PROJECT No:	SHEET No:
AS SHOWN	16-0107-026	M10

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1

SCALE VERIFIED BY: N/A

APEGM
 Certificate of Authorization
 KGS Group
 No. 245

KGS GROUP
 CONSULTING ENGINEERS