

- NOTES:**
- BUILDING SUPPLY FAN AND SUPPLY AND EXHAUST DAMPERS ARE ACTIVATED BY THE PLC BASED ON THE BUILDING LIGHT SWITCH.
 - INSTRUMENT TO MONITOR AMBIENT AIR ON MAIN FLOOR.
 - HUMIDISTAT SET TO R.H. 50%.
 - UNIT HEATER THERMOSTAT TO BE SET TO 10°C.
 - TEMPERATURE CONTROLLER YC-Z6040 SHALL MAINTAIN 18°C DURING HEATING SEASON WHEN BUILDING IS OCCUPIED, 35°C DURING THE COOLING SEASON AT ALL TIMES USING VENTILATED COOLING.
 - VENTILATION RATE OF 239 L/S EQUATES TO 6 AIR CHANGES PER HOUR.

LEGEND

L-1	IDENTIFICATION:
610x610	L-LOUVRE
184	SIZE (mm)
I	AIR FLOW RATE (L/S)
	NOTES:
C	CONTINUOUS
I	INTERMITTENT

HTR-Z608
ELECTRIC BASEBOARD HEATER

MANUFACTURER: OUELLET
MODEL: OPX2A0502
VOLTAGE: 120V
CURRENT: -
POWER: 500W
PHASE: 1Ø
FREQUENCY: 60Hz

UH-Z606
ELECTRIC UNIT HEATER

MANUFACTURER: OUELLET
MODEL: OAS04038
VOLTAGE: 208V
CURRENT: -
POWER: 4kW
PHASE: 3Ø
FREQUENCY: 60Hz

UH-Z607
ELECTRIC UNIT HEATER

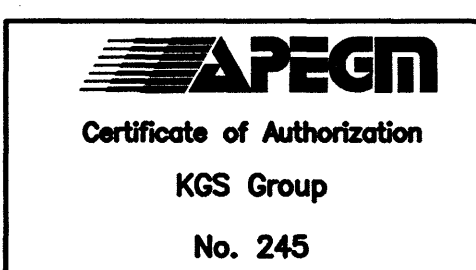
MANUFACTURER: OUELLET
MODEL: OAS04038
VOLTAGE: 208V
CURRENT: -
POWER: 4kW
PHASE: 3Ø
FREQUENCY: 60Hz

HCE-Z603
ELECTRIC DUCT HEATER

MANUFACTURER: PRICE
MODEL: DF C100H
VOLTAGE: 208V
CURRENT: 44.41A
POWER: 16kW
PHASE: 3Ø
FREQUENCY: 60Hz
VOLUME FLOW: 550CFM AT 550FPM
ELECTRICAL OPTIONS: CA-AC-MC-TR-CF-PDN-HEC
MECHANICAL OPTIONS: N1-BLE

SF-Z604
BELT DRIVE CENTRIFUGAL INLINE FAN

MANUFACTURER: GREENHECK
MODEL: BSQ-90-4
VOLTAGE: 120V
CURRENT: -
POWER: 0.19kW (1/4HP)
PHASE: 1Ø
FREQUENCY: 60Hz
MOTOR: TEFC, 1725 RPM
VOLUME FLOW: 510CFM AT 0.5SP



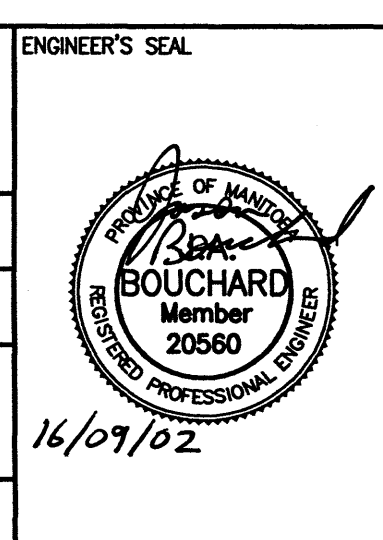
B.M.	-
ELEV.	-
NO.	REVISIONS
00	ISSUED FOR CONSTRUCTION
DATE	2016/09/02
DESIGN	DN
CHECK	443

KGS GROUP
CONSULTING ENGINEERS

DESIGNED BY: D. D. WILSON
DRAWN BY: G. C. NELSON
SCALE: N.T.S.
DATE: 2016/03/17

CHECKED BY: J.A. BOUCHARD
APPROVED BY: J.A. BOUCHARD
ISSUED FOR CONSTRUCTION
BY: J.A. BOUCHARD
DATE: 16/09/02

CONSULTANT NO.: 15-0107-019_E11



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WEST END SEWAGE TREATMENT PLANT
EFFLUENT MONITORING STATION
PROCESS AND INSTRUMENTATION DIAGRAM
HVAC P&ID

CITY DRAWING NUMBER: 1-0103-PPID-Z601
SHEET: 00
REV: 00
SIZE: A1