

LEGEND:

	EXISTING		MOTORIZED DAMPER
	NEW WORK		BACKDRAFT DAMPER
	EXISTING TO BE REMOVED		BALANCE DAMPER
	EXISTING TO REMAIN		FIRE EXTINGUISHER
	INSULATED DUCTWORK		TAG
			WIDTH x HEIGHT (mm)
			FLOW (L/S)

- NEW WORK NOTES**
- SUPPLY AND INSTALL DAMPERS. COORDINATE WITH CONTROLS CONTRACTOR FOR INSTALLATION OF ACTUATORS.
 - SUPPLY AND INSTALL LOUVERS.
 - SUPPLY AND INSTALL FILTER.
 - SUPPLY AND INSTALL FAN.
 - SUPPLY AND INSTALL ELECTRIC DUCT HEATER.
 - SUPPLY AND INSTALL ELECTRIC UNIT HEATER.
 - SUPPLY AND INSTALL FLEX DUCT CONNECTION.

- DESIGN CRITERIA:**
- THE BUILDING ENVIRONMENTAL CONTROL SYSTEMS SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNATED TO THE REQUIREMENTS OF THE MANITOBA BUILDING CODE AND VENTILATED AT A MINIMUM OF 6 AIR CHANGES PER HOUR CONTINUOUS. WHEN THE STATION IS UNOCCUPIED, THE SYSTEM WILL CONTINUE TO PROVIDE 6 AIR CHANGES PER HOUR WITH 75% RECIRCULATED AIR. MORE SPECIFICALLY AS FOLLOWS:
- OUTDOOR CONDITIONS OF -33°C IN WINTER.
 - INDOOR CONDITIONS OF 15°C IN WINTER.

MAIN FLOOR PLAN - NEW WORK
1 : 30

AREA	VOLUME (M ³)	MIN. AIR CHANGES PER HOUR	MIN. AIRFLOW (L/S)
MAIN FLOOR	70.8	6	118
GENERATOR ROOM	68.0	6	113
MOTOR ROOM	181.9	6	303
PUMP ROOM	147.4	6	246
TOTAL	468.1		780

FAN SCHEDULE

TAG	SERVICE	AIRFLOW		ESP		MOTOR		VOLTS / PH	MAKE & MODEL	NOTES
		(CFM)	(L/S)	(WC)	(Pa)	(HP)	(kW)			
SF-L62	STATION SUPPLY AIR	1,800	850	1.50	375	1.00	0.75	120 / 1	GREENHECK SQ-140-VG, C/W FILTER (MERV 8)	C/W SPEED ADJUSTING POTENTIOMETER, INLINE DISCHARGE CONFIGURATION

HEATING COIL SCHEDULE

TAG	SERVICE	MAKE & MODEL	AIRFLOW		EAT		LAT		CAPACITY (kW)	SIZE		VOLTS / PH	ELEMENT	NOTES
			(CFM)	(L/S)	(°F)	(°C)	(°F)	(°C)		INCHES	mm			
HCE-L63	STATION	PRICE-DFC100H	1,800	850	-40	-40	70	21	40	18x16	455x405	575 / 3	OPEN COIL	SCR CONTROL

UNIT HEATER SCHEDULE

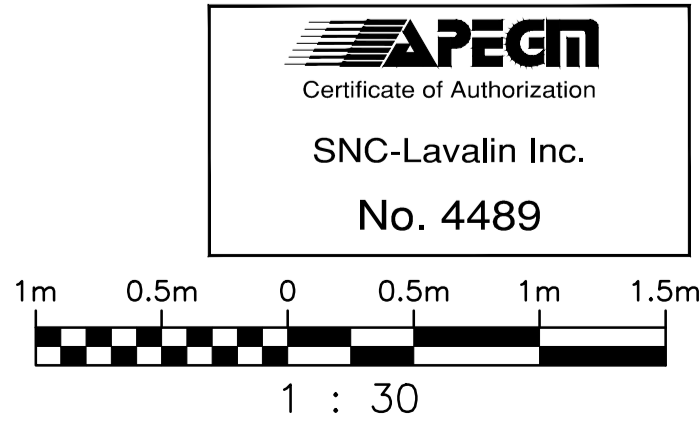
TAG	SERVICE	MAKE & MODEL	(kW)	VOLTS / PH
UH-L64	GENERATOR ROOM	OUELLET OASU 10036	10	575 / 3

FIRE EXTINGUISHER SCHEDULE

TAG	RATING/WEIGHT (MINIMUM)	TYPE	COMMENT
FEX-L1	2A, 5BC, 10LB (4.5 KG)	DRY CHEMICAL	NEW
FEX-L2	2A, 5BC, 10LB (4.5 KG)	DRY CHEMICAL	NEW

DAMPER SCHEDULE

TAG	SERVICE	AIRFLOW (L/S)	SIZE (WIDTH x HEIGHT) (mm)	BLADE TYPE	MOUNT	ACTUATOR				PRODUCT DESCRIPTION
						VOLTS	TORQUE (Nm)	CTRL SIGNAL	FAIL POSITION	
TV-L662-A	ENGINE COOLING INTAKE 1	4,248	762 x 1,524	PB	FLANGE TO DUCT	24 VAC	9.9	0-10V	CLOSED	TAMCO 9000 SC
TV-L662-B	ENGINE COOLING INTAKE 2	4,248	762 x 1,524	PB	FLANGE TO DUCT	24 VAC	9.9	0-10V	CLOSED	TAMCO 9000 SC
TV-L664	ENGINE COOLING EXHAUST	8,495	1397 x 1,676	PB	FLANGE TO DUCT	24 VAC	19.9	0-10V	CLOSED	TAMCO 9000 SC
TV-L663	ENGINE COOLING RECIRC	8,495	610 x 1,320	PB	FLANGE TO DUCT	24 VAC	10.2	0-10V	OPEN	TAMCO 1000
XV-L661	COMBUSTION AIR		406 x 203	PB	REAR FLANGE	24 VAC	0.7	ON/OFF	OPEN	TAMCO 9000 SC
FV-L621	VENTILATION OUTDOOR AIR	850	457 x 406	PB	FLANGE TO DUCT	24 VAC	1.6	0-10V	CLOSED	TAMCO 9000 SC
FV-L622	MIXED AIR	850	457 x 406	OB	FLANGE TO DUCT	24 VAC	1.1	0-10V	OPEN	TAMCO 1000
FV-L623	VENTILATION EXHAUST AIR	850	457 x 406	PB	FLANGE TO DUCT	24 VAC	1.6	0-10V	CLOSED	TAMCO 9000 SC



GENERAL NOTES:

- SEE STRUCTURAL DRAWINGS FOR WALL PENETRATIONS.
- INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10.

LOUVRE SCHEDULE

TYPE	SERVICE	SIZE (mm)	DESCRIPTION
L-1	ENGINE COOLING INTAKE 1	762 x 1,524	PRICE DE635 c/w INSECT SCREEN
L-2	ENGINE COOLING INTAKE 2	762 x 1,524	PRICE DE635 c/w INSECT SCREEN
L-3	ENGINE COOLING EXHAUST	1397 x 1,676	PRICE ZE439 c/w INSECT SCREEN
L-4	VENTILATION INTAKE	455 x 405	PRICE DE635 c/w INSECT SCREEN
L-5	--	--	--
L-6	COMBUSTION AIR	406 x 203	PRICE ZE439 c/w INSECT SCREEN

GRILLE SCHEDULE

TAG	MAKE & MODEL
G01	PRICE 510/D/F/L/A
G02	PRICE 510/Z/D/A/L

 DESIGNED BY: H. OJO DRAWN BY: D. CALVERLEY SCALE: DATE: 2017/04/11 CONSULTANT NO.:	 SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080	ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT COMMUNITY ROW WASTEWATER PUMPING STATION 2017 UPGRADES MAIN FLOOR PLAN HVAC NEW WORK
		CHECKED BY: B. CLEVEN APPROVED BY: B. CLEVEN ISSUED FOR CONSTRUCTION BY:	
		PRELIMINARY NOT TO BE USED FOR CONSTRUCTION	
		CITY DRAWING NUMBER: 1-0130L-M0011 SHEET: 001 REV: 00 SIZE: A1	