

Visitor Reception Centre
Control Systems Upgrade
Churchill, Manitoba

MECHANICAL DRAWING LIST	
M1.0	TITLE SHEET & LEGEND
M2.1	BASEMENT FLOOR – EXISTING VENTILATION & HEATING PIPING LAYOUT
M2.2	MAIN FLOOR – EXISTING VENTILATION & HEATING PIPING LAYOUT
M2.3	SECOND FLOOR – EXISTING VENTILATION & HEATING PIPING LAYOUT
M2.4	MECHANICAL DETAILS & CONTROLS SCHEMATICS
M2.5	MECHANICAL CONTROLS SCHEMATICS & SYSTEM ARCHITECTURE

ELECTRICAL DRAWING LIST	
E1.0	ELECTRICAL BASEMENT & MAIN FLOOR POWER & LIGHTING LAYOUT

GENERAL LEGEND	
	GRILLE/DIFFUSER LABEL
	RADIATION LABEL
	EQUIPMENT LABEL
	DRAWING NOTE

HEATING/COOLING PIPING LEGEND	
	GLYCOL HEATING SUPPLY
	GLYCOL HEATING RETURN

VENTILATION LEGEND	
	SQUARE OR RECTANGULAR DUCT
	DRAWN DOUBLE LINE
	ROUND OR OVAL DUCT
	DRAWN DOUBLE LINE
	ACOUSTICALLY LINED DUCT
	THERMALLY INSULATED DUCT
	SQUARE TO ROUND TRANSITION
	LONG RADIUS ELBOW
	LONG RADIUS ELBOW C/W TURNING VANES
	SQUARE ELBOW C/W TURNING VANES
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN/EXHAUST/OUTSIDE AIR
	RETURN/EXHAUST/OUTSIDE AIR
	FIRE DAMPER
	BALANCING DAMPER

ACCESSORIES LEGEND	
	PUMP
	PRESSURE SWITCH
	FLOW SWITCH
	MANUAL AIR VENT
	AUTOMATIC AIR VENT

CONTROLS LEGEND	
	WALL MOUNTED THERMOSTAT
	WALL MOUNTED TEMPERATURE SENSOR
	WALL MOUNTED HUMIDISTAT
	WALL MOUNTED HUMIDITY SENSOR
	REMOTE BULB SENSOR AND TUBE
	DUCT MOUNTED THERMOSTAT
	DUCT MOUNTED TEMPERATURE SENSOR
	DUCT MOUNTED HUMIDISTAT
	DUCT MOUNTED HUMIDITY SENSOR
	CARBON DIOXIDE SENSOR
	CARBON MONOXIDE SENSOR
	ANALOG OUTPUT
	ANALOG INPUT
	DIGITAL OUTPUT
	DIGITAL INPUT
	TRANSFORMER
	RELAY
	DAMPER OR VALVE MOTOR

GENERAL PIPE AND FITTING LEGEND	
	DIRECTION OF FLOW
	PIPE BREAK FOR CONTINUATION
	PIPE DOWN
	PIPE UP
	CAP
	UNION
	VALVE – NORMALLY OPEN
	VALVE – NORMALLY CLOSED
	PLUG VALVE
	MOTORIZED 2-WAY VALVE
	MOTORIZED 3-WAY VALVE
	CHECK VALVE
	STRAINER
	SHUT-OFF VALVE OR CALIBRATED PORTED BALANCING/SHUT-OFF VALVE

NOTE THAT EXISTING EQUIPMENT TO REMAIN AND BE REUSED IS SHOWN WITH A "LIGHT GRAYSCALE" LINE WHILE NEW AND REFURBISHED EQUIPMENT IS SHOWN WITH A "NON GRAYSCALE" HEAVY BLACK LINE.

0	ISSUED FOR TENDER	2018/04/12
Revision	Description	Date
Client		client

Parks Canada

Project Churchill, Manitoba
1 Mantayo Seepee Meskanow

Visitor Reception Centre
CONTROL SYSTEMS
UPGRADES

Designed by MAN	Conçu par
Drawn by JRR	Dessiné par
Approved by MAN	Approuvé par
PWSSC Project Manager CRISTINA KOVACS	Administrateur de Projets TPSSC
Drawing title	Titre du dessin

MECHANICAL
TITLE SHEET AND LEGEND

Project no./No. du projet R.081709.001	Drawing no./No. du dessin M1.0 1 OF 6	Revision no. 0
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