

DO NOT SCALE DRAWINGS

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Revision/ Révision	Description/Description	Date/Date
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Client/client	PWGSC AAFC
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Project title/Titre du projet	LETHBRIDGE, ALBERTA 86 RESEARCH CENTRE ROAD B86 DAIRY & METABOLISM UNIT ROOF REPLACEMENT LETHBRIDGE RESEARCH CENTRE - DAIRY BARN
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Approved by/Approuvé par	
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Designed by/Concept par	A.J.H.
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Drawn by/Dessiné par	D.J.F.
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PWGSC Project Manager/Administrateur de Projets TPSGC	BB
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PWGSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC	
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Client/client	AGRICULTURE AND AGRI-FOOD CANADA
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Drawing title/Titre du dessin	MECHANICAL LEGEND
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Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.071094.001	M0.1	A
MPE No. 1651-004-00	OF -	

GENERAL EQUIPMENT	GENERAL PIPING	HEATING EQUIPMENT	FIRE PROTECTION	VENTILATION FIXTURE
<div><div><div></div></div><div>PROPOSED</div></div> <div><div><div></div></div><div>EQUIPMENT TO BE REMOVED</div></div> <div><div><div></div></div><div>EXISTING</div></div> <div><div><div></div></div><div>MARKER DENOTING EXTENT OF WORK TO EXISTING SYSTEMS</div></div>	<div><div><div></div></div><div>PIPE DROP</div></div> <div><div><div></div></div><div>PIPE RISE</div></div> <div><div><div></div></div><div>OFFSET DOWN</div></div> <div><div><div></div></div><div>BOTTOM TAKE-OFF</div></div> <div><div><div></div></div><div>TOP TAKE-OFF</div></div> <div><div><div></div></div><div>TEE CONNECTION</div></div> <div><div><div></div></div><div>CAP</div></div> <div><div><div></div></div><div>BLOW OFF STRAINER</div></div> <div><div><div></div></div><div>CONCENTRIC REDUCER</div></div> <div><div><div></div></div><div>ECCENTRIC REDUCER</div></div> <div><div><div></div></div><div>FLANGED SPOOL PIECE</div></div> <div><div><div></div></div><div>UNION/FLANGED CONNECTION</div></div> <div><div><div></div></div><div>EJ-1 EXPANSION JOINT</div></div> <div><div><div></div></div><div>PUMP</div></div> <div><div><div></div></div><div>PRESSURE GAUGE AND COCK</div></div> <div><div><div></div></div><div>STRAINER</div></div> <div><div><div></div></div><div>PIPE SIZE 25ø</div></div> <div><div><div></div></div><div>DIRECTION OF FLOW</div></div> <div><div><div></div></div><div>TEMPERATURE SENSOR SINGLE POINT PROBE</div></div> <div><div><div></div></div><div>SENSOR AVERAGING PROBE</div></div> <div><div><div></div></div><div>AIR SEPARATOR</div></div> <div><div><div></div></div><div>AIR SCOOP</div></div> <div><div><div></div></div><div>CHEMICAL POT FEEDER</div></div> <div><div><div></div></div><div>AAV AIR VENT</div></div>	<div><div><div></div></div><div>2 WAY CONTROL VALVE</div></div> <div><div><div></div></div><div>3 WAY CONTROL VALVE</div></div> <div><div><div></div></div><div>BALANCE VALVE</div></div> <div><div><div></div></div><div>ISOLATION VALVE</div></div> <div><div><div></div></div><div>PRESSURE REDUCING VALVE</div></div> <div><div><div></div></div><div>RELIEF OR SAFETY VALVE</div></div> <div><div><div></div></div><div>AUTOMATIC FILL VALVE</div></div> <div><div><div></div></div><div>SOLENOID VALVE</div></div> <div><div><div></div></div><div>DIFFERENTIAL PRESSURE VALVE</div></div> <div><div><div></div></div><div>STEAM TRAPS</div></div> <div><div><div></div></div><div>SUPERVISED VALVE</div></div> <div><div><div></div></div><div>SWING GATE CHECK VALVE</div></div> <div><div><div></div></div><div>BACK FLOW PREVENTER</div></div> <div><div><div></div></div><div>SIGHT GLASS</div></div> <div><div><div></div></div><div>MICRON FILTER</div></div> <div><div><div></div></div><div>RADIATION TAG TYPE SIZE KW</div></div>	<div><div><div></div></div><div>FIRE EXTINGUISHER</div></div> <div><div><div></div></div><div>FIRE EXTINGUISHER C/W SEMI RECESSED CABINET</div></div> <div><div><div></div></div><div>FIRE HOSE STATION</div></div> <div><div><div></div></div><div>FIRE DEPARTMENT SIAMESE CONNECTION</div></div> <div><div><div></div></div><div>UPRIGHT SPRINKLER</div></div> <div><div><div></div></div><div>PENDANT SPRINKLER</div></div> <div><div><div></div></div><div>CONCEALED SPRINKLER</div></div> <div><div><div></div></div><div>DRY PENDANT SPRINKLER</div></div> <div><div><div></div></div><div>SIDEWALL HEAD SPRINKLER</div></div> <div><div><div></div></div><div>SIDEWALL HEAD DRY SPRINKLER</div></div> <div><div><div></div></div><div>VENTILATION DUCT WORK</div></div> <div><div><div></div></div><div>ACOUSTICAL LINING (INSULATION)</div></div> <div><div><div></div></div><div>RECTANGULAR DUCT</div></div> <div><div><div></div></div><div>ROUND DUCT 300ø</div></div> <div><div><div></div></div><div>FLAT OVAL DUCT 300/200</div></div> <div><div><div></div></div><div>FLEXIBLE DUCT CONNECTION</div></div> <div><div><div></div></div><div>BRAIDED FLEXIBLE PIPE CONNECTOR</div></div> <div><div><div></div></div><div>DOUBLE SPHERE RUBBER PIPE CONNECTOR</div></div> <div><div><div></div></div><div>VARIABLE VOLUME TERMINAL UNIT</div></div> <div><div><div></div></div><div>TRANSITION 100x75 75x50</div></div> <div><div><div></div></div><div>RECTANGULAR TO ROUND TRANSITION 100x75 75ø</div></div> <div><div><div></div></div><div>TURNING VANES</div></div> <div><div><div></div></div><div>SMOKE DETECTORS</div></div> <div><div><div></div></div><div>DUCT REHEAT COIL</div></div> <div><div><div></div></div><div>RELIEF VENT</div></div> <div><div><div></div></div><div>CHIMNEY</div></div> <div><div><div></div></div><div>INDICATES DIRECTION OF AIR FLOW</div></div> <div><div><div></div></div><div>AIR FLOW MEASURING STATION</div></div>	<div><div><div></div></div><div>CEILING FAN</div></div> <div><div><div></div></div><div>FAN</div></div> <div><div><div></div></div><div>SIDE WALL FAN</div></div> <div><div><div></div></div><div>FREEZE-STAT</div></div> <div><div><div></div></div><div>DIFFERENTIAL PRESSURE SENSOR</div></div> <div><div><div></div></div><div>THERMOSTAT</div></div> <div><div><div></div></div><div>THERMOSTAT C/W LOCKABLE COVER</div></div> <div><div><div></div></div><div>THERMOSTAT C/W REMOTE TEMPERATURE SENSOR</div></div> <div><div><div></div></div><div>SUPPLY AIR DUCT</div></div> <div><div><div></div></div><div>RETURN AIR DUCT</div></div> <div><div><div></div></div><div>EXHAUST AIR DUCT</div></div> <div><div><div></div></div><div>OUTSIDE OR COMBUSTION AIR</div></div> <div><div><div></div></div><div>RETURN/EXHAUST GRILLE</div></div> <div><div><div></div></div><div>SUPPLY DIFFUSER</div></div> <div><div><div></div></div><div>AIR GRILL TAG S - SUPPLY R - RETURN E - EXHAUST T - TRANSFER</div></div> <div><div><div></div></div><div>TYPE SIZE L/S QTY</div></div> <div><div><div></div></div><div>BALANCE DAMPER</div></div> <div><div><div></div></div><div>FIRE DAMPER</div></div> <div><div><div></div></div><div>MOTORIZED DAMPER</div></div> <div><div><div></div></div><div>TAGS</div></div> <div><div><div></div></div><div>FIXTURE AND EQUIPMENT TAG</div></div> <div><div><div></div></div><div>FLOW SWITCH</div></div> <div><div><div></div></div><div>EMCS POINT IDENTIFICATION TAG</div></div> <div><div><div></div></div><div>VAV BOX IDENTIFICATION TAG</div></div> <div><div><div></div></div><div>VOLTAGE/CURRENT PRESSURE TRANSDUCER</div></div> <div><div><div></div></div><div>KEY NOTES</div></div>
PLUMBING				
<div><div><div></div></div><div>NATURAL GAS</div></div> <div><div><div></div></div><div>DOMESTIC COLD WATER</div></div> <div><div><div></div></div><div>DOMESTIC HOT WATER</div></div> <div><div><div></div></div><div>DOMESTIC HOT WATER RETURN</div></div> <div><div><div></div></div><div>WATER SERVICE</div></div> <div><div><div></div></div><div>BELOW GRADE SANITARY</div></div> <div><div><div></div></div><div>ABOVE GRADE SANITARY</div></div> <div><div><div></div></div><div>BELOW GRADE STORM</div></div> <div><div><div></div></div><div>ABOVE GRADE STORM</div></div> <div><div><div></div></div><div>FIRE PROTECTION</div></div> <div><div><div></div></div><div>DRAIN LINE</div></div> <div><div><div></div></div><div>COMPRESSED AIR</div></div> <div><div><div></div></div><div>SANITARY VENT</div></div> <div><div><div></div></div><div>WEEPING TILE</div></div>				
HEATING				
<div><div><div></div></div><div>HEATING WATER SUPPLY</div></div> <div><div><div></div></div><div>HEATING WATER RETURN</div></div> <div><div><div></div></div><div>GLYCOL SUPPLY</div></div> <div><div><div></div></div><div>GLYCOL RETURN</div></div>				
COOLING				
<div><div><div></div></div><div>CHILLED WATER SUPPLY</div></div> <div><div><div></div></div><div>CHILLED WATER RETURN</div></div> <div><div><div></div></div><div>CONDENSER WATER SUPPLY</div></div> <div><div><div></div></div><div>CONDENSER WATER RETURN</div></div> <div><div><div></div></div><div>REFRIGERANT PIPE</div></div>				
PLUMBING FIXTURE				
		<div><div><div></div></div><div>DRINKING FOUNTAIN</div></div> <div><div><div></div></div><div>THERMOMETER</div></div> <div><div><div></div></div><div>METER</div></div> <div><div><div></div></div><div>FLOOR DRAIN</div></div> <div><div><div></div></div><div>FUNNEL FLOOR DRAIN</div></div> <div><div><div></div></div><div>HUB DRAIN</div></div> <div><div><div></div></div><div>ROOF DRAIN</div></div> <div><div><div></div></div><div>RUNNING TRAP</div></div> <div><div><div></div></div><div>FIXTURE TRAP</div></div> <div><div><div></div></div><div>CLEAN-OUT</div></div> <div><div><div></div></div><div>IN FLOOR CLEANOUT</div></div> <div><div><div></div></div><div>NON FREEZE HOSE BIBB</div></div> <div><div><div></div></div><div>SANITARY VENT</div></div>		

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