

DISTRIBUTION	
	CONDUIT IDENTIFICATION TAG
	LIGHTING/POWER PANEL
	DATA PANEL
	INTERCOM PANEL
	FIRE ANNUNCIATOR PANEL
	GROUND BAR
	PLYWOOD BACKBOARD
	EXTERIOR TRANSFORMER
	DRY TYPE TRANSFORMER
	METERING CABINET GREATER THAN 200A
	UTILITY METER PLAN
	POWER METER
	ELECTRIC UTILITY METER 200A AND LESS
	WATER METER
	GAS METER
	SPLITTER
	ELECTRICAL CENTRAL DISTRIBUTION PANEL (CDP)
	ELECTRICAL MOTOR CONTROL CENTRE (IMCC)
	ELECTRICAL MAIN DISTRIBUTION BOARD
	TRANSFER SWITCH WITH BY-PASS
	TRANSFER SWITCH
	120/24V LOW VOLTAGE TRANSFORMER
	WEATHER HEAD

LIGHTING	
	SURFACE MOUNTED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE WITH END PLATES
	SURFACE MOUNTED STRIP LIGHT FIXTURE
	UNDER CABINET/VALENCE STRIP LIGHT FIXTURE
	WALL MOUNTED CUBED LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE ON EMERGENCY
	TRACK LIGHT C/W PENDANT HEADS
	TRACK LIGHT C/W ADJUSTABLE HEADS
	LANDSCAPE UPLIGHT FIXTURE
	RECESSED STEP LIGHT FIXTURE
	SURFACE MOUNTED HOT TUB/POOL LIGHT FIXTURE
	BOLLARD LIGHT FIXTURE
	POLE MOUNTED LIGHT FIXTURE (ONE HEAD SHOWN)
	WALL MOUNTED HID LIGHT FIXTURE

POWER	
	DUPLEX RECEPTACLE
	SPLIT FEED RECEPTACLE
	FOURPLEX RECEPTACLE
	SWITCHED DUPLEX RECEPTACLE
	20A T-SLOT RECEPTACLE (KITCHEN)
	TWISTLOCK RECEPTACLE
	208 VOLT 1PH RECEPTACLE
	208 VOLT 3PH RECEPTACLE
	WALL MOUNTED USB PORT
	PEDESTAL DUPLEX RECEPTACLE
	WALL MOUNTED MULTI-GANG BOX
	WALL MOUNTED PUSH BUTTON
	WALL MOUNTED SURGE PROTECTIVE DEVICE (SPD OR TVSS)
	WALL MOUNTED VARIABLE FREQUENCY DRIVE (VFD)
	CEILING MOUNTED DUPLEX RECEPTACLE
	CEILING MOUNTED FOURPLEX RECEPTACLE
	CEILING MOUNTED 208 VOLT 1PH RECEPTACLE
	CEILING MOUNTED 208 VOLT 3PH RECEPTACLE
	AUXILIARY RELAY
	CEILING MOUNTED POWER ZONE BOX
	REEL DOWN RECEPTACLE
	PACK POLE
	FLOOR MOUNTED DUPLEX RECEPTACLE (No. of OUTLETS)
	FLOOR MOUNTED FOURPLEX RECEPTACLE (No. of OUTLETS)
	FLOOR MOUNTED 208 VOLT 1PH RECEPTACLE (No. of OUTLETS)
	FLOOR MOUNTED 208 VOLT 3PH RECEPTACLE (No. of OUTLETS)
	FLOOR MOUNTED MULTI-GANG BOX
	MOTOR
	MOTOR WITH DISCONNECT SWITCH
	MOTOR WITH FUSIBLE DISCONNECT SWITCH
	MOTOR WITH COMBINATION DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	HOME RUN WITH WIRE COUNT
	WIRELESS ACCESS POINT
	ELECTRICAL HEATING
	HEATING TRACING

SWITCHES AND JUNCTIONS BOXES	
	LINE VOLTAGE SWITCH
	SWITCH C/W PILOT LIGHT
	TWO POLE SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	MANUAL MOTOR PROTECTION SWITCH C/W PILOT LIGHT
	KEY OPERATED SWITCH - CYLINDER TYPE
	TIMER SWITCH
	DIMMER SWITCH - SLIDER TYPE
	INTERNALLY ILLUMINATED LIGHT SWITCH
	LOW VOLTAGE SWITCH
	2 GANG SWITCH
	3 GANG SWITCH
	4 GANG SWITCH
	5 GANG SWITCH
	WALL MOUNTED PHOTOCELL
	WALL MOUNTED JUNCTION BOX
	FLOOR MOUNTED JUNCTION BOX
	SQUARE CEILING MOUNTED JUNCTION BOX
	THERMOSTAT
	NON-FUSEABLE DISCONNECT SWITCH
	FUSEABLE DISCONNECT SWITCH
	COMBINATION MAGNETIC HOA STARTER
	O/H DOOR PUSH BUTTON
	PULL BOX

LIFE SAFETY	
	CEILING MOUNTED EXIT LIGHT SINGLE FACE
	CEILING MOUNTED EXIT LIGHT DOUBLE FACE
	CEILING COMBINATION EXIT SIGN AND EMERGENCY LIGHT C/W BATTERY
	WALL MOUNTED EXIT LIGHT SINGLE FACE
	WALL MOUNTED EXIT LIGHT DOUBLE FACE
	WALL COMBINATION EXIT SIGN AND EMERGENCY LIGHT C/W BATTERY
	EXIT LIGHT DIRECTIONAL ARROW
	WALL MOUNTED EMERGENCY LIGHTING BATTERY PACK
	CEILING MOUNTED EMERGENCY LIGHTING DOUBLE REMOTE HEAD
	CEILING MOUNTED EMERGENCY LIGHTING RECESSED REMOTE HEAD
	WALL MOUNTED EMERGENCY LIGHTING DOUBLE REMOTE HEAD
	FIRE ALARM BELL
	FIRE ALARM BELL WITH STROBE
	FIRE ALARM STROBE
	FIRE ALARM HORN
	FIRE ALARM HORN/STROBE
	MINI FIRE ALARM HORN C/W SILENCE BUTTON
	MINI FIRE ALARM HORN/STROBE C/W SILENCE BUTTON
	FIRE ALARM BEACON
	CEILING MOUNTED FIRE ALARM HORN/STROBE
	CEILING MOUNTED FIRE ALARM EVACUATION HORN
	CEILING MOUNTED FIRE ALARM SPEAKER
	CEILING MOUNTED FIRE ALARM SPEAKER WITH STROBE
	WALL MOUNTED FIRE ALARM EVACUATION HORN
	WALL MOUNTED FIRE ALARM SPEAKER
	WALL MOUNTED FIRE ALARM SPEAKER WITH STROBE
	FIRE ALARM PULLSTATION
	SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	HEAT DETECTOR - RATE OF RISE
	HEAT DETECTOR - FIXED TEMPERATURE
	CARBON MONOXIDE DETECTOR
	NITROGEN OXIDE DETECTOR
	SMOKE ALARM - 120V
	COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
	FIRE FIGHTERS HANDSET
	FIRE RELAY MODULE
	ISOLATION MODULE
	ADDRESSABLE INPUT MODULE
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM PASSIVE GRAPHIC
	FLOW SWITCH
	SOLENOID VALVE
	PRESSURE SWITCH
	TAMPERS VALVE
	END OF LINE DEVICE

SECURITY	
	WALL MOUNTED SECURITY KEYPAD
	WALL MOUNTED CARD READER
	WALL MOUNTED REQUEST TO EXIT PUSH BUTTON
	WALL MOUNTED MOTION SENSOR
	WALL MOUNTED DAY LIGHT HARVESTING
	CEILING MOUNTED DAY LIGHT HARVESTING
	CEILING MOUNTED MOTION SENSOR
	CEILING MOUNTED DAY LIGHT HARVESTING
	WALL MOUNTED CCTV CAMERA - PAN, TILT, ZOOM
	WALL MOUNTED CCTV CAMERA - FUTURE
	CEILING MOUNTED CCTV CAMERA - FIXED
	CEILING MOUNTED CCTV CAMERA - PAN, TILT, ZOOM
	CEILING MOUNTED CCTV CAMERA - FUTURE
	MAGNETIC DOOR LOCK
	MAGNETIC DOOR HOLD OPEN DEVICE
	DOOR POSITION SWITCH (DOOR CONTACT)
	ELECTRIC STRIKE
	BREAK GLASS SENSOR
	SONALERT BUZZER

COMMUNICATIONS	
	WALL MOUNTED TELEPHONE OUTLET
	PAY TELEPHONE OUTLET
	TELEPHONE OUTLET FOR MODULAR FURNITURE
	WALL MOUNTED DATA OUTLET
	WALL MOUNTED COMBINATION TELEPHONE/DATA OUTLET
	WALL MOUNTED INTERCOM OUTLET
	WALL MOUNTED TELEVISION OUTLET
	WALL MOUNTED AUXILIARY OUTLET
	WALL MOUNTED MICROPHONE OUTLET
	WALL MOUNTED CHIME OR BUZZER
	WALL MOUNTED SINGLE FACED CLOCK
	WALL MOUNTED DOUBLE FACED CLOCK
	WALL MOUNTED CLOCK OUTLET
	WALL MOUNTED DIGITAL PROGRAMMABLE TIME CLOCK
	CEILING MOUNTED SINGLE FACED CLOCK
	CEILING MOUNTED DOUBLE FACED CLOCK
	CEILING MOUNTED TELEPHONE OUTLET
	CEILING MOUNTED COMBINATION TELEPHONE/DATA OUTLET
	CEILING MOUNTED TELEVISION OUTLET
	CEILING MOUNTED SECURITY TELEVISION OUTLET
	CEILING MOUNTED DATA OUTLET (No. OF OUTLETS)
	CEILING MOUNTED DATA OUTLET (No. OF OUTLETS)
	CEILING MOUNTED INTERCOM OUTLET (No. OF OUTLETS)
	CEILING MOUNTED TELEPHONE OUTLET (No. OF OUTLETS)
	CEILING MOUNTED TELEVISION OUTLET (No. OF OUTLETS)
	CEILING MOUNTED COMBINATION TELEPHONE/DATA OUTLET (No. OF OUTLETS)
	CEILING MOUNTED TELEPHONE ZONE BOX
	CEILING MOUNTED DATA ZONE BOX
	BELL
	VOLUME CONTROL
	CEILING MOUNTED SPEAKER
	CEILING MOUNTED SOUND MASKING SPEAKER
	WALL MOUNTED SPEAKER
	CEILING MOUNTED HORN SPEAKER
	WALL MOUNTED HORN SPEAKER
	WALL MOUNTED INTERCOM SPEAKER
	RADIO LINK

OCCUPANCY SENSORS	
	WALL MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR
	WALL MOUNTED ULTRA SONIC OCCUPANCY SENSOR
	WALL MOUNTED PASSIVE INFRARED/ULTRASONIC OCCUPANCY SENSOR
	CEILING MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR
	CEILING MOUNTED ULTRA SONIC OCCUPANCY SENSOR
	CEILING MOUNTED PASSIVE INFRARED/ULTRASONIC OCCUPANCY SENSOR
	FLOW SWITCH
	SOLENOID VALVE
	PRESSURE SWITCH
	TAMPERS VALVE
	END OF LINE DEVICE

NURSE CALL	
	SINGLE PATIENT STATION - NURSE CALL
	SINGLE PATIENT STATION WITH ENTERTAINMENT - NURSE CALL
	DOUBLE PATIENT STATION - NURSE CALL
	DOUBLE PATIENT STATION WITH ENTERTAINMENT - NURSE CALL
	WALL MOUNTED STAFF EMERGENCY STATION - NURSE CALL
	STAFF STATION - NURSE CALL
	STAFF STATION WITH ELBOW SWITCH
	CEILING MOUNTED NURSE CALL ZONE LIGHT
	WALL MOUNTED NURSE CALL ZONE LIGHT
	CEILING MOUNTED ZONE LIGHT (No. OF ROOMS)
	WALL MOUNTED ZONE LIGHT (No. OF ROOMS)
	CEILING MOUNTED NURSE CALL DOME LIGHT (No. OF ROOMS)
	WALL MOUNTED NURSE CALL DOME LIGHT (No. OF ROOMS)
	EMERGENCY LAVATORY PUSHBUTTON
	LAVATORY STATION C/W PUSHBUTTON AND PULL CORD
	WALL MOUNTED STAFF PRESENCE STATION
	NURSE CALL MASTER STATION
	NURSE CALL CODE BLUE
	NURSE CALL CODE BLUE STATION
	NURSE CALL DUTY STATION
	NURSE CALL AUDIO CONTROL OUTLET
	NURSE CALL CABINET
	MAIN DICTATION OUTLET
	DOCTORS REGISTER STATION
	RECESSED MOUNTED DOCTORS DICTATION
	CEILING MOUNTED OPTO ELECTRONIC SENSOR

MISCELLANEOUS AND LABELS	
	REVISION NUMBER
	FIXTURE TYPE
	MECHANICAL EQUIPMENT IDENTIFICATION TAG
	KITCHEN EQUIPMENT TAG
	KEY NOTES
	SINGLE LINE BREAK
	DOUBLE LINE BREAK
	CAPPED OFF LINE OR CONDUIT
	CONDUIT BREAK
	CABLE TRAY
	INSTALL ABOVE COUNTER
	INSTALL BUILT INTO MILLWORK
	DISH WASHER
	FRIDGE
	RANGE
	MICROWAVE
	GARBURATOR
	DRYER
	WASHER
	NIGHT LIGHT
	TAMPERS PROOF
	GFCI
	IG
	EM
	AF
	AT
	WP
	XP
	E
	X
	ER
	RD
	WIRE COUNT
	CONDUIT RUN UP
	CONDUIT RUN DOWN
	OH
	UG
	CONDUCTOR/CONDUIT
	UNDERGROUND CONDUCTOR/CONDUIT
	FLEXIBLE CONDUIT
	EXISTING EQUIPMENT
	NEW EQUIPMENT
	EQUIPMENT TO BE REMOVED

SYMBOLS AND CIRCUITS LEGEND	
	REFER TO CONDUIT AND CABLE SCHEDULE FOR CONDUIT TYPES, CONDUCTOR TYPES, AND LOCATIONS.
	REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE FIXTURE TYPES, LAMPS, MOUNTING, AND ELECTRICAL INFORMATION.
	REFER TO MECHANICAL SCHEDULE FOR EQUIPMENT TYPES, LOCATIONS, AND ELECTRICAL INFORMATION.
TYPICAL LIGHT CIRCUIT:	
	RELAY NUMBER SWITCH CONTROL (LOWER CASE: a, b, c, ETC.) CIRCUIT NUMBER (1, 2, 3, ETC.) ELECTRICAL PANEL IDENTIFICATION
TYPICAL SWITCH:	
	SWITCH LOAD DESIGNATION (LOWER CASE: a, b, c, ETC.) SWITCH TYPE (SEE SWITCHES AND JUNCTION BOXES)
TYPICAL RECEPTACLE:	
	CIRCUIT NUMBER (1, 2, 3, ETC.) ELECTRICAL PANEL IDENTIFICATION RECEPTACLE TYPE (SEE POWER)
TYPICAL DATA, TELEPHONE, OR COMBINATION OUTLET:	
	NUMBER OF VOICE INPUTS (2V REFERS TO 2 VOICE) NUMBER OF DATA INPUTS (3D REFERS TO 3 DATA)

PANEL LEGEND:	
	PANEL IDENTIFICATION A - Z
	CONDUIT BREAK
	PANEL VOLTAGE 2 - 120/208 V 6 - 347/600 V
	PANEL SUPPLY (NONE)-NORMAL POWER E- EMERGENCY POWER
	PANEL LEVEL 0 - LOWER LEVEL 1 - MAIN LEVEL 2 - UPPER LEVEL
	WING LOCATION NW - NORTH WEST NE - NORTH EAST SW - SOUTH WEST SE - SOUTH EAST C - CENTRAL

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

**REAL PROPERTY SERVICES**  
Western Region  
**SERVICES IMMOBILIERS**  
Région de l'ouest

**CK A + ID**  
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NOTES:  
1. ALL BOLD ITEMS INDICATE WORK TO BE DONE AND ALL LIGHT ITEMS INDICATE EXISTING CONDITIONS.  
2. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.

**DO NOT SCALE DRAWINGS**

Revision/Revision	Description/Description	Date/Date
A	ISSUED FOR TENDER	16/02/02

Client/Client  
**PWGSC A AFC**

Project title/Titre du projet  
**LETHBRIDGE, ALBERTA  
86 RESEARCH CENTRE ROAD  
B86 DAIRY & METABOLISM UNIT**

**ROOF REPLACEMENT  
LETHBRIDGE RESEARCH  
CENTRE - DAIRY BARN**

Approved by/Approve par  
N.O.W.

Designed by/Consept par  
P.P.G.

Drawn by/Dessine par  
P.P.G.

PWGSC Project Manager/Administrateur de Projets TPSGC  
BB

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/Client  
AGRICULTURE AND AGRI-FOOD CANADA

Drawing title/Titre du dessin  
**ELECTRICAL  
LEGEND**

PERMIT TO PRACTICE  
MPE ENGINEERING LTD.  
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The Association of Professional  
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