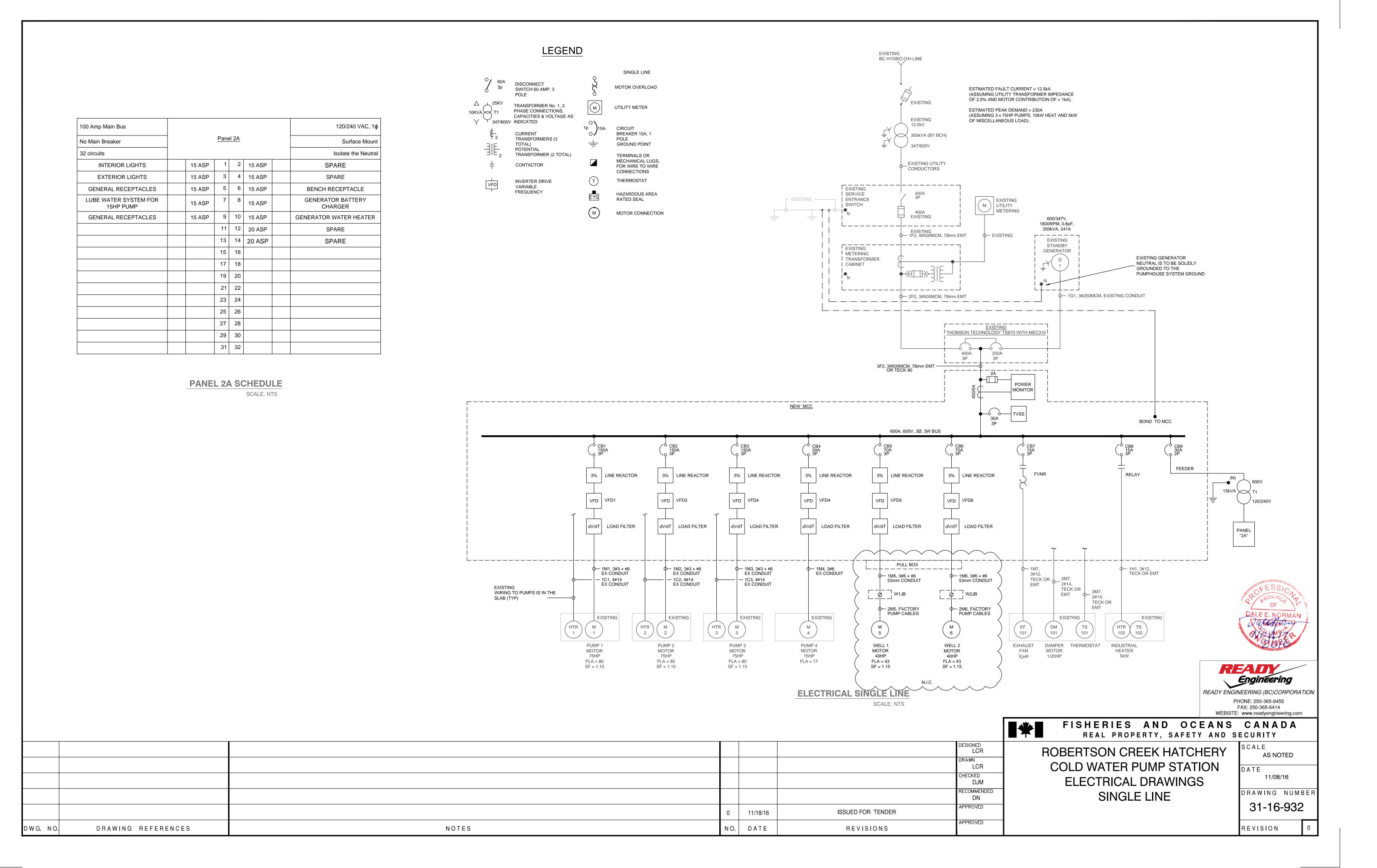
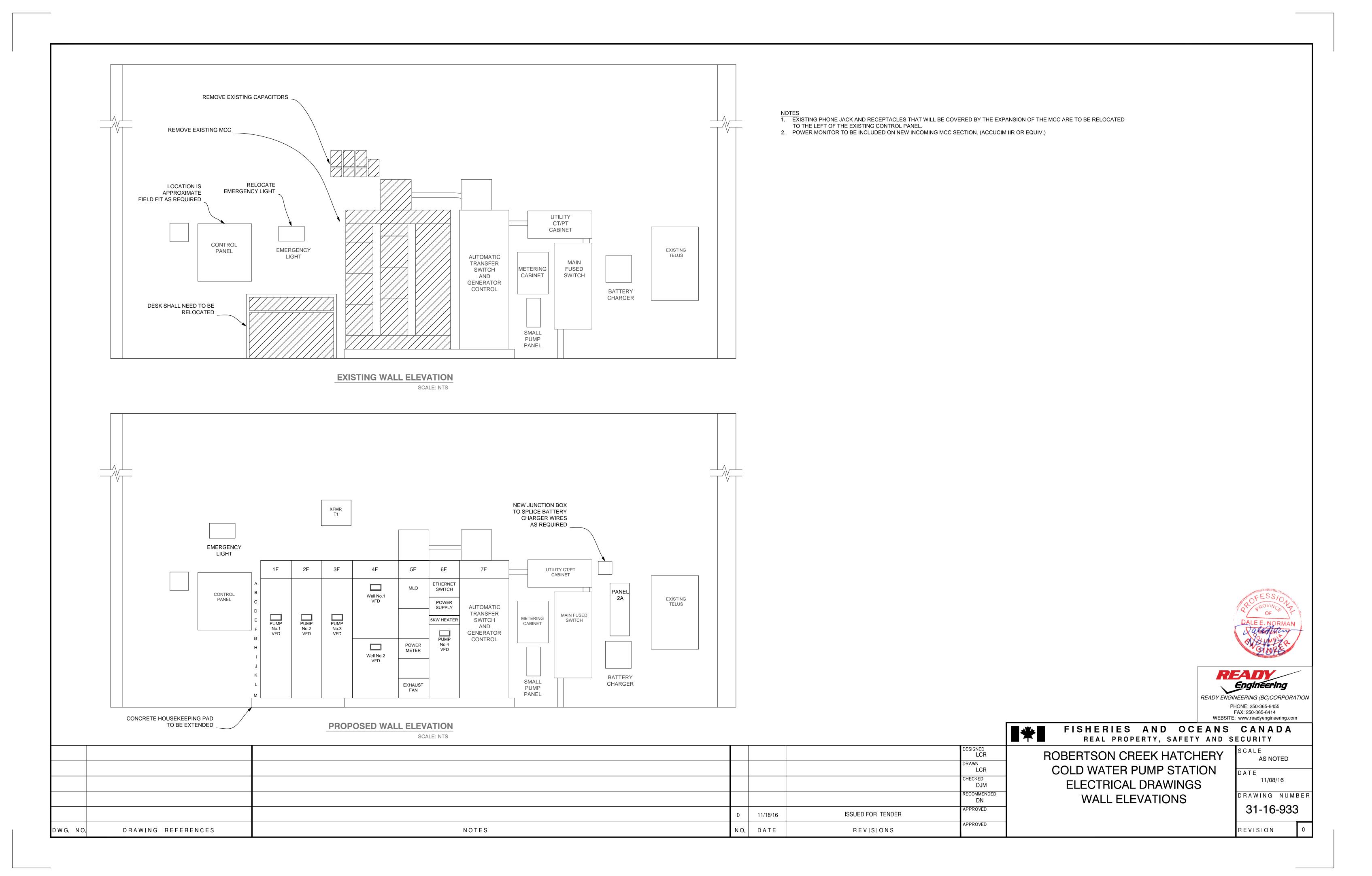
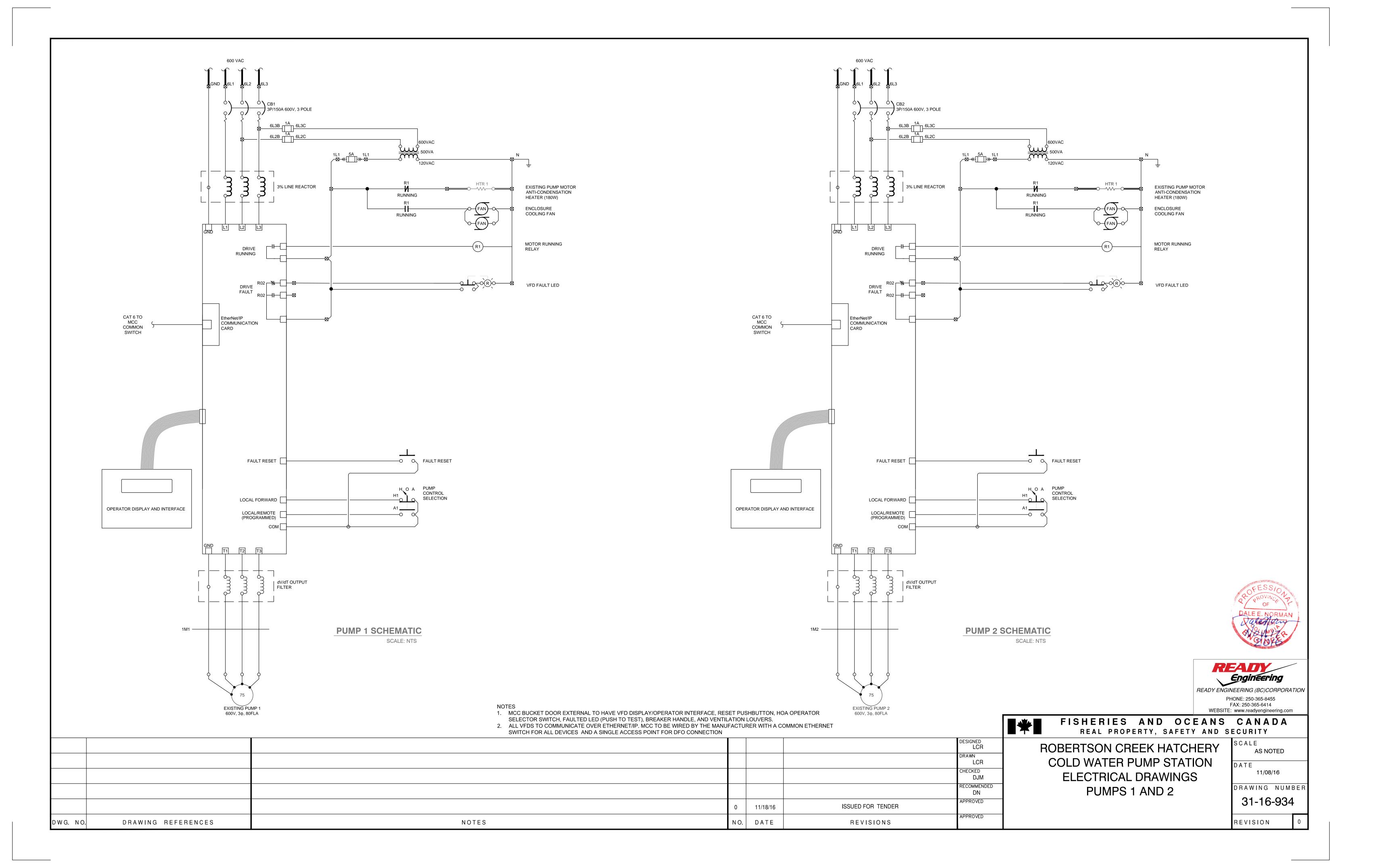
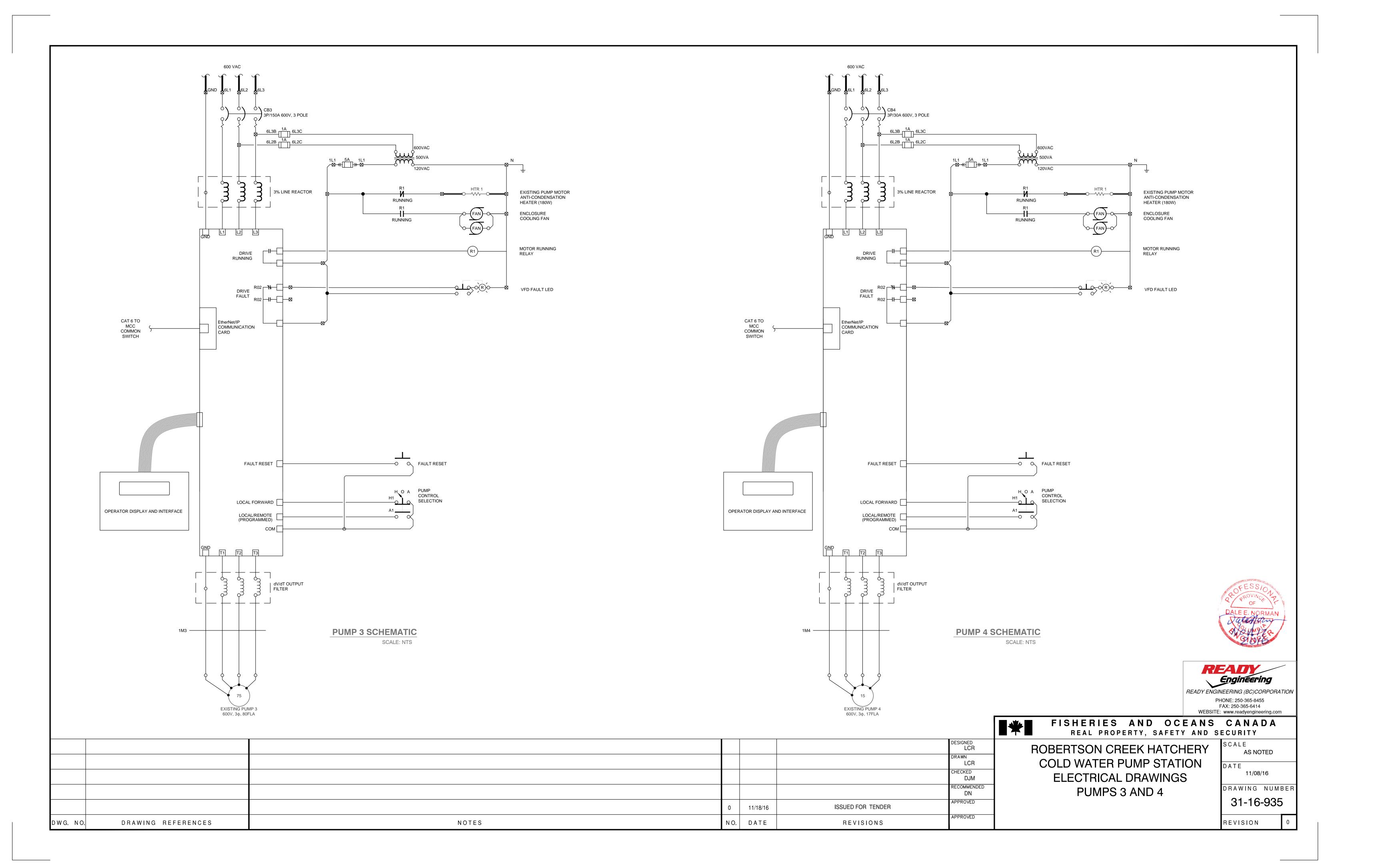


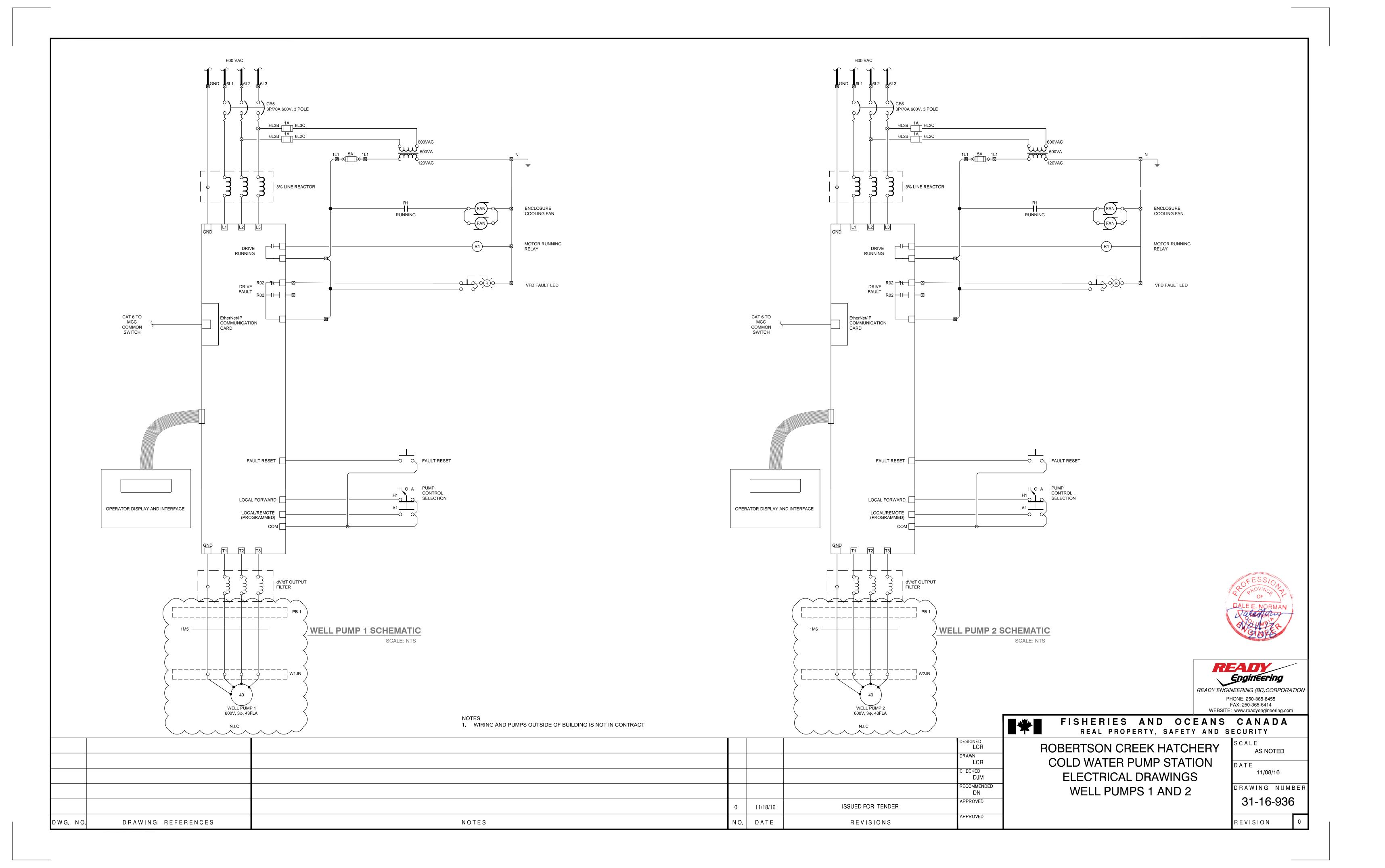
1. EXISTING CABLE RUNS FROM MOTORS TO MCC ARE NOT EXPECTED TO REACH THE NEW VFD LOCATIONS. CONTRACTORS ARE TO BID AS IF MOTOR FEED CABLES WILL BE REPLACED IN EXISTING CONDUIT. 2. N.I.C: NOT IN CONTRACT (BY OTHERS IN A SEPARATE CONTRACT SYMBOL LEGEND EXISTING FLOWMETER CHAMBER NEW OR EQUIPMENT # OR INSTRUMENT TAG QUANTITY COMMENTS DESCRIPTION **EXISTING** TEMPERATURE 3φ, 600V VERTICAL PUMP WITH ELECTRIC MOTOR. TRANSMITTER 1 OF EACH MOTOR INCLUDES ANTI-CONDENSATION STRIP EXISTING HEATER ANTENNA MAST 3φ, 600V VERTICAL PUMP WITH ELECTRIC MOTOR. MOTOR INCLUDES ANTI-CONDENSATION STRIP EXISTING 1 OF EACH EXISTING INSTRUMENTS TO BE RE-CONNECTED TO THE NEW MCC AND CONTROL CABINET. RE-USE HEATER EXISTING CONDUITS WHERE SUITABLE. RE-USE EXISTING CONDUCTORS AND CABLES WHERE SUITABLE AND ONLY WHERE THE CONDUCTORS ARE IN CONTINUOUS LENGTH BETWEEN THE EXISTING ANTENNA INSTRUMENT CONNECTION POINT AND THE MCC OR CONTROL CABINET CONNECTION POINT. ON TOWER 3φ, 600V VERTICAL PUMP WITH ELECTRIC MOTOR. (SPLICING ON SHORT EXTENSION SHALL NOT BE PERMITTED) MOTOR INCLUDES ANTI-CONDENSATION STRIP 1 OF EACH EXISTING HEATER 3φ, 600V VERTICAL PUMP WITH ELECTRIC MOTOR. MOTOR INCLUDES INTEGRAL MOTOR OVER LOAD **EXISTING** EXISTING CONTACT, MOTOR OVER LOAD CONTACT NO LONGER INSTRUMENT NEEDED DUE TO VFD INSTALLATION. CONTROL PANEL 3φ, 600VSUBMERSIBLE PUMP WITH ELECTRIC MOTOR. PRESSURE TRANSMITTER TO INCLUDE VENTILATED CABLE, BELLOWS OR EQUIVALENT, AND ANALOG WELL INCLUDES DIFFERENTIAL PRESSURE SURGE PROTECTION. TRANSMITTER. 3φ, 600VSUBMERSIBLE PUMP WITH ELECTRIC MOTOR. **NEW MCC** PRESSURE TRANSMITTER TO INCLUDE VENTILATED CABLE, BELLOWS OR EQUIVALENT, AND ANALOG WELL INCLUDES DIFFERENTIAL PRESSURE SURGE PROTECTION. TRANSMITTER. **EXISTING** JUNCTION BOX FOR SHAFT ROTATION NEW JUNCTION BOX COUNTER SIERRA SERIES 205 STRAP- ON FLOW METER, WITH ON EXTERIOR WALL 120VAC POWER SUPPLY TO FLOW METER DISPLAY UNIT FROM CONTROL PANEL, AND 4-20mA ANALOG 1 OF EACH EXTERNAL DISPLAY AND 4-20mA OUTPUT FROM N.I.C SIGNAL FROM FLOW METER DISPLAY UNIT TO THE CONTROL PANEL DISPLAY UNIT HYDROSTATIC PRESSURE TRANSDUCER FOR LEVEL EXISTING MEASUREMENT YDROSTATIC PRESSURE TRANSDUCER FOR LEVEL **EXISTING** MEASUREMENT **EXISTING** JUNCTION BOX THE EXISTING EXHAUST FAN, DAMPER MOTOR AND LOUVERS ARE TO BE INTEGRATED INTO THE NEW EF DM TS 101 MCC. THE CONTRACTOR IS TO CONFIRM SYSTEM OPERATION PRIOR TO ORDERING THE NEW MCC COUNTER BUILDING SYSTEMS: EXHAUST FAN, DAMPER MOTOR AND PRIOR TO ANY EXISTING MCC DEMOLITION WORK. THE CONTRACTOR IS TO REPORT THE SYSTEM FOR LOUVER CONTROL. OPERATION FINDINGS TO THE ENGINEER AND REQUEST SITE INSTRUCTIONS IF ASSISTANCE IS REQUIRED. SCRTY FIRE 101 101 UILDING SECURITY AND FIRE PROTECTION SYSTEM **EXISTING** 1 OF EACH **EXISTING GENERATOR** ALARM STATUS SIGNAL CONTACTS **CONTROL PANEL** EXISTING SERVICE ENTRANCE BREAKER, RADIO MODEM 101 101 CT/PT CABINET AND EXISTING RADIO EQUIPMENT AND TELEPHONE MODEM **EXISTING** 1 OF EACH METERING JUNCTION BOX FOR SHAFT ROTATION COUNTER TS HTR 102 THE EXISTING BUILDING HEATING SYSTEM IS TO BE INTEGRATED INTO THE NEW MCC. THE CONTRACTOR IS TO CONFIRM SYSTEM OPERATION PRIOR TO ORDERING THE NEW MCC AND PRIOR BUILDING SYSTEMS: ELECTRIC HEATER AND TO ANY EXISTING MCC DEMOLITION WORK. THE CONTRACTOR IS TO REPORT THE SYSTEM 1 OF EACH EXISTING THERMOSTAT OPERATION FINDINGS TO THE ENGINEER AND REQUEST SITE INSTRUCTIONS IF ASSISTANCE IS **EXISTING ATS AND** REQUIRED. **GENERATOR SET** BATTERY CHARGER STATION DISCHARGE WATER TEMPERATURE EXISTING TRANSDUCER TELEPHONE DMARK **EXISTING LUBE** WATER CONTROL SYSTEM **FUEL STORAGE** HTR 102 **EXISTING LT1** INSTRUMENT TERMINATION JUNCTION BOX Engineering **GENERATOR** EXHAUST **EXISTING LT2** READY ENGINEERING (BC)CORPORATION INSTRUMENT PHONE: 250-365-8455 **TERMINATION** FAX: 250-365-6414 JUNCTION BOX WEBSITE: www.readyengineering.com FISHERIES AND OCEANS CANADA REAL PROPERTY, SAFETY AND SECURITY DESIGNED LCR SCALE ROBERTSON CREEK HATCHERY **AS NOTED** DRAWN COLD WATER PUMP STATION LCR DATE CHECKED 11/08/16 **ELECTRICAL DRAWINGS** DJM RECOMMENDED DRAWING NUMBEF **BUILDING LAYOUT** DN 31-16-931 APPROVED ISSUED FOR TENDER 11/18/16 APPROVED NO. DATE DRAWING REFERENCES NOTES REVISION REVISIONS

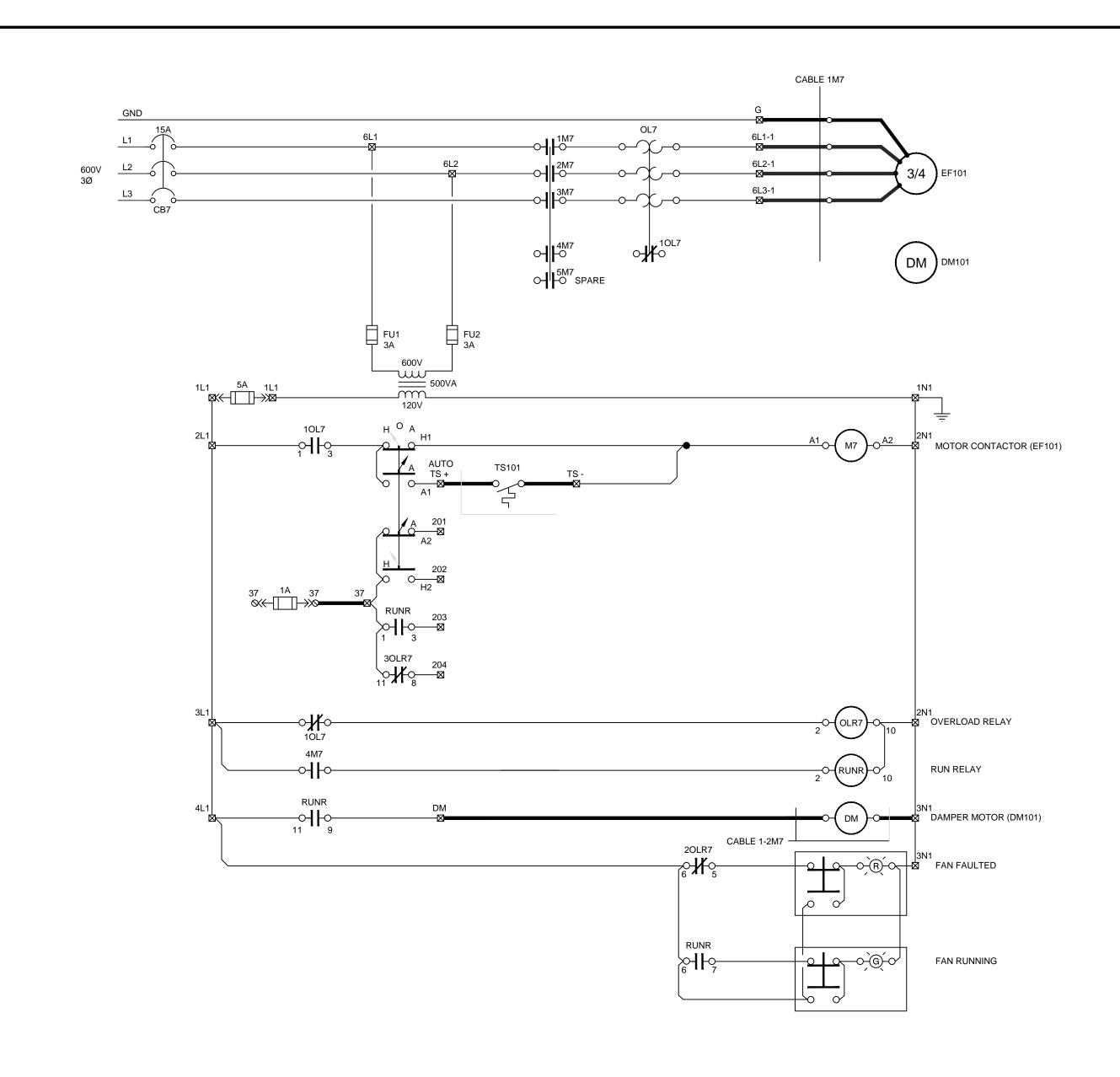


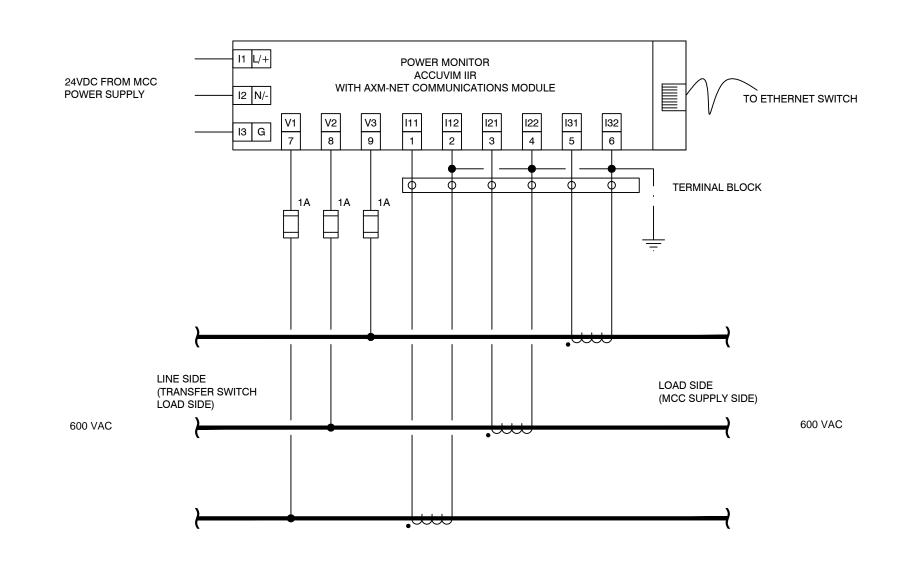












POWER MONITOR SCHEMATIC





PHONE: 250-365-8455 FAX: 250-365-6414 WEBSITE: www.readyengineering.com

FISHERIES AND OCEANS CANADA REAL PROPERTY, SAFETY AND SECURITY

ROBERTSON CREEK HATCHERY COLD WATER PUMP STATION **ELECTRICAL DRAWINGS** EXHAUST FAN

S C A L E AS NOTED				
A T E 11/08/	/16			
11,00,				
RAWING	NUMBE			
31-16	-937 			

REVISION

EXHAUST FAN SCHEMATIC

SCALE: NTS

					DESIGNED LCR
					DRAWN LCR
					CHECKED DJM
					RECOMMEND DN
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G. NO.	DRAWING REFERENCES	NOTES	NO. DATE	REVISIONS	APPROVED