
COX

Research and Technology, Inc.

WATER WELL SCADA PROJECT CITY OF GONZALES

Cox Research and Technology, Inc.
14697 S. Harrells Ferry Road
Baton Rouge, LA. 70816
(225) 756-3271 Fax (225) 755-1030

CP-1958

VOLTAGE	<hr/> <hr/>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<hr/> <hr/>	
NO. MOTORS	<hr/> <hr/>	
HP	<hr/> <hr/>	
FLA	<hr/> <hr/>	
TYPE OF PUMP	<hr/> <hr/>	(Self-Priming, Submersible)
MANUFACTURER	<hr/> <hr/>	
CATALOG NUMBER	<hr/> <hr/>	
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Stainless Steel	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Pressure Transducer	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE	<hr/> <hr/>	

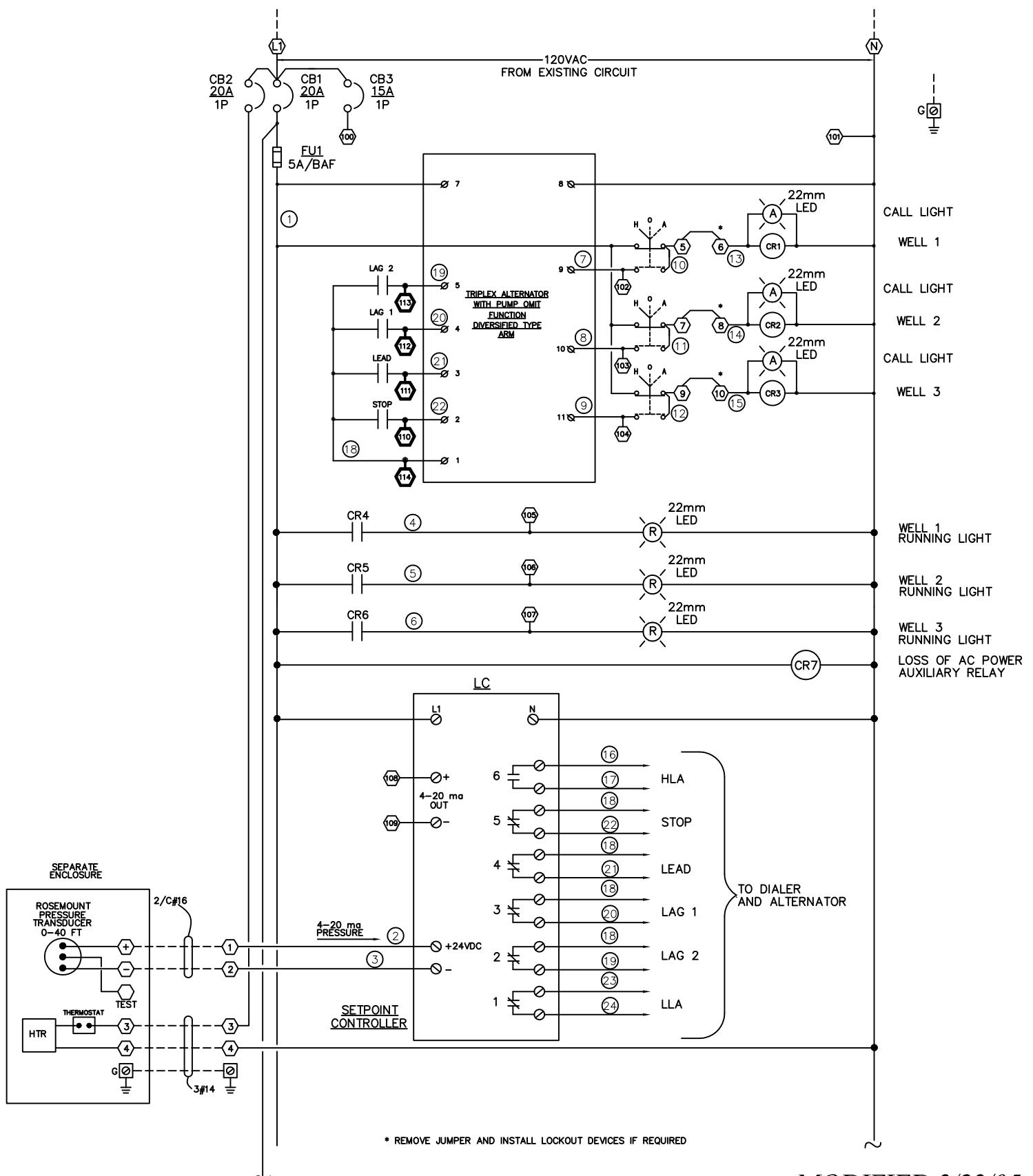
OPTIONS:

SEAL FAIL LIGHTS	<hr/> <hr/>	(Submersible Only)
SEAL FAIL RELAYS	<hr/> <hr/>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<hr/> <hr/>	(Submersible Only)
HT PUMP SHUTDOWN	<hr/> <hr/>	(Self-Primer, Submersible)
ALARM HORN	<hr/> <hr/>	
ALARM LIGHT	<hr/> <hr/>	
LIGHT PANEL MTD	<hr/> <hr/>	
LIGHT REMOTE MTD	<hr/> <hr/>	
LIGHT FLASHER	<hr/> <hr/>	
LIGHTNING ARRESTER	<hr/> <hr/>	
ELAPSED TIME METER	<hr/> <hr/>	
PHASE MONITOR	<hr/> <hr/>	
NEMA RATED STARTERS	<hr/> <hr/>	
GROUND FAULT RECPT.	<hr/> <hr/>	
GREEN RUN LIGHTS VS. RED	<hr/> <hr/>	
POLE, BOX, SEAL	<hr/> <hr/>	
INTRINSICALLY SAFE RELAYS	<hr/> <hr/>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<hr/> <hr/>	
ECONOMY VERSION	<hr/> <hr/>	

SOLD TO: Sun Electric
TAG : Gonzales Water Well Scada Project

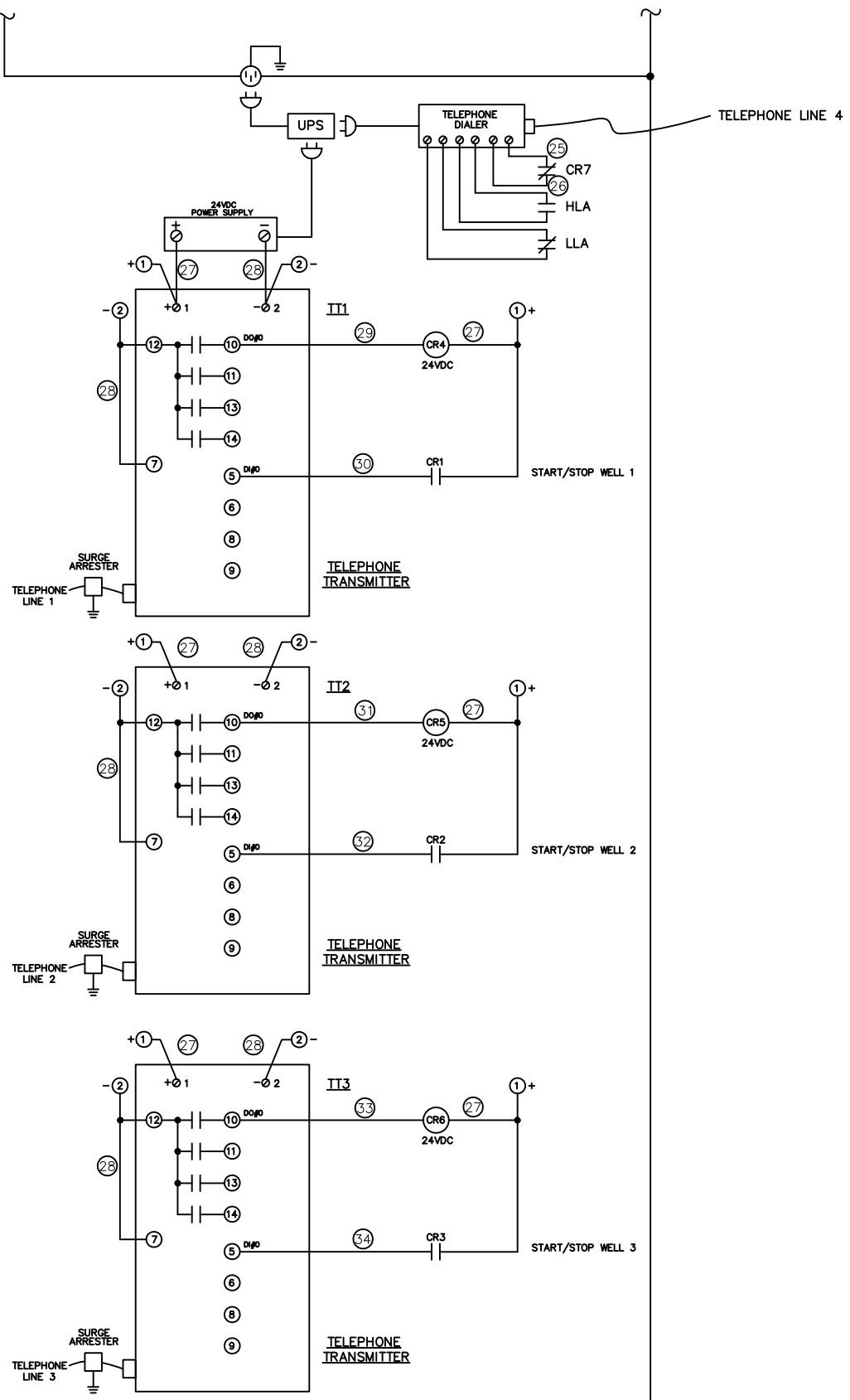
SHIP TO:

	Drawing Title PANEL DESCRIPTION								
		REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE			
DATE 11/19/04	Project Title WATER WELL SCADA PROJECT	<hr/> <hr/> <hr/>	COX Research and Technology, Inc. <hr/> <hr/>	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1958 SHEET NUMBER 1				

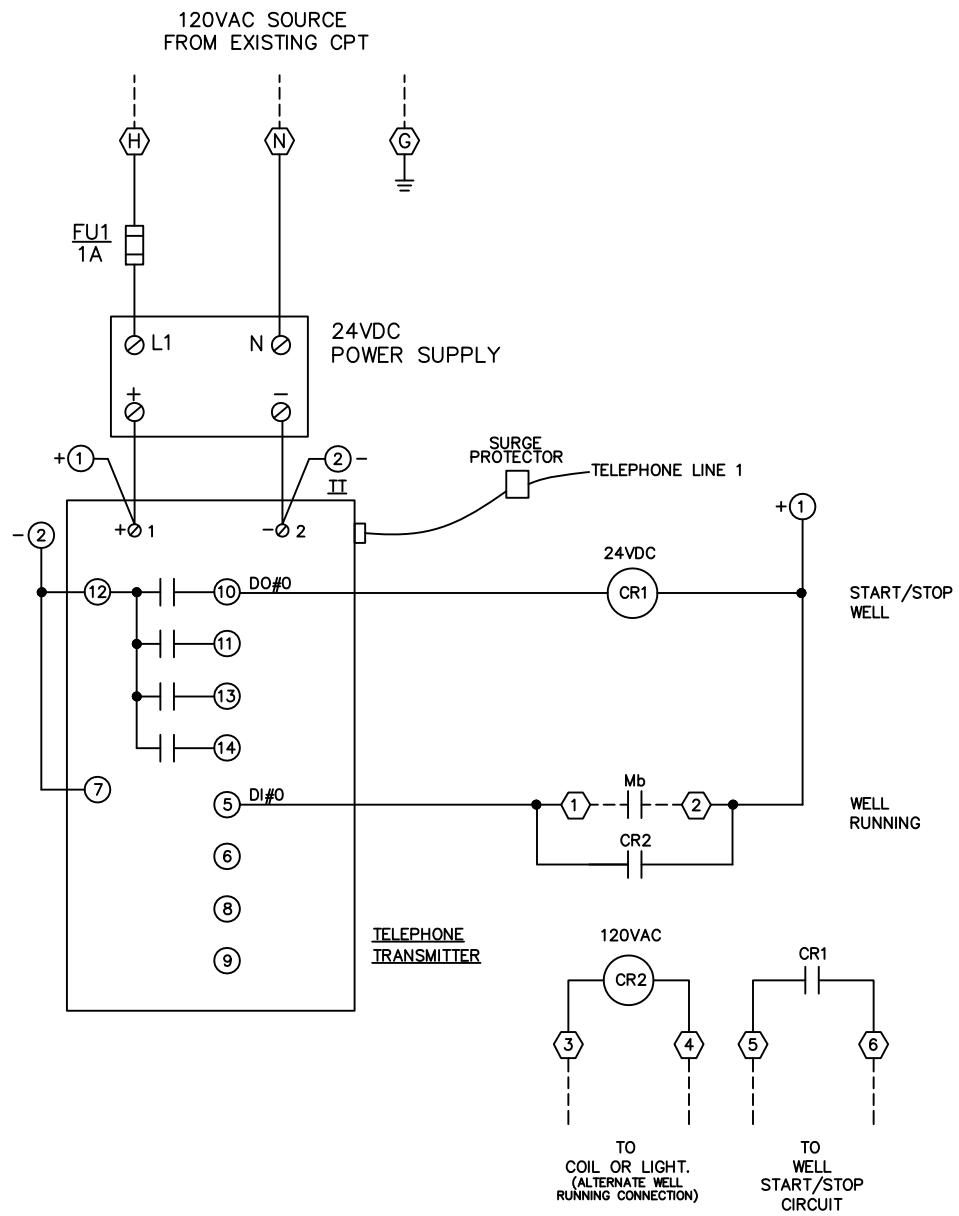


MODIFIED 3/23/05

	Drawing Title				
	POWER DIAGRAM				
DATE 11/19/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE APPROVED BY
	Project Title WATER WELL SCADA PROJECT	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1958 SHEET NUMBER 2	

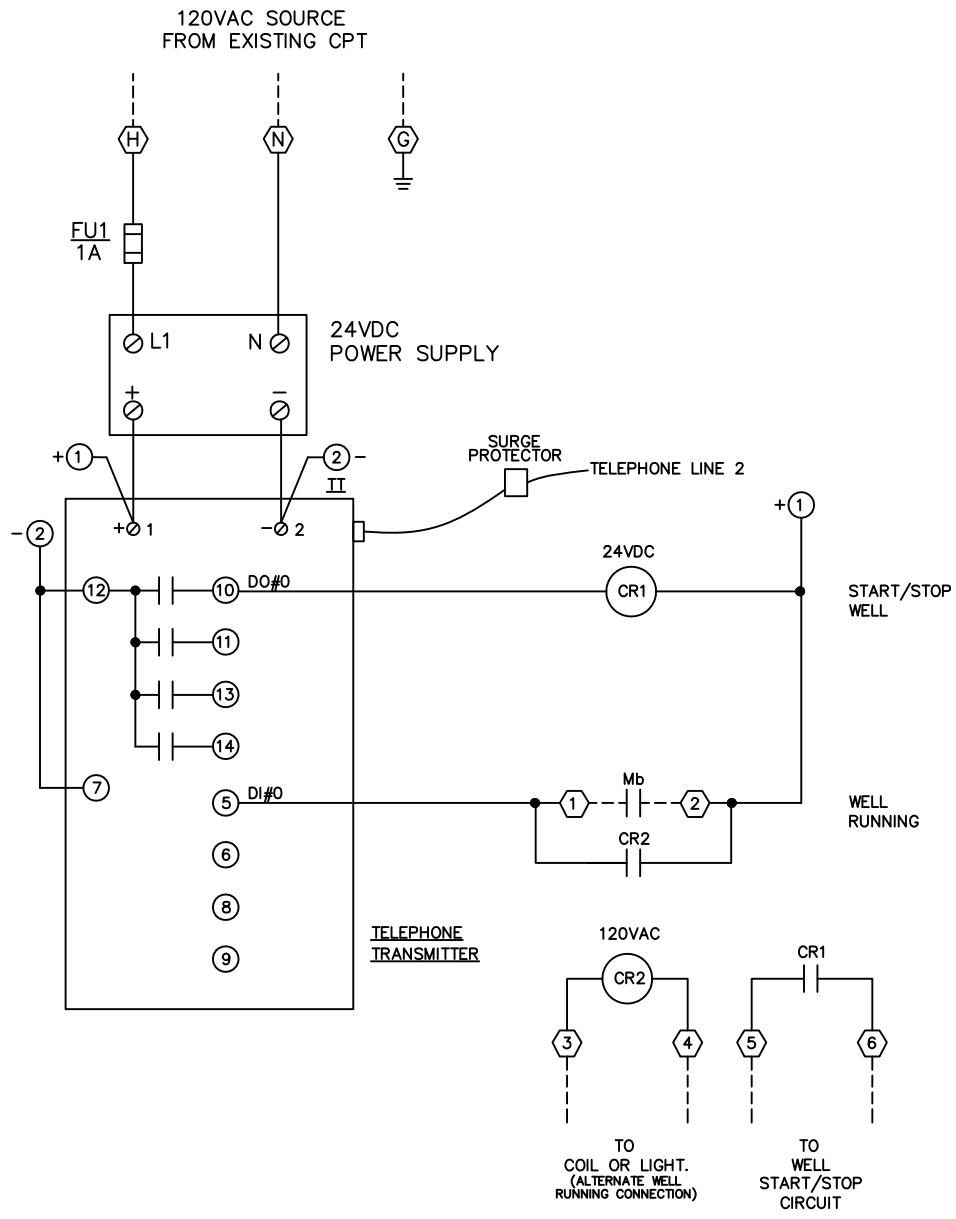


	Drawing Title CONTROL DIAGRAM				
DATE 11/19/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE
Project Title WATER WELL SCADA PROJECT		COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1958 SHEET NUMBER 3	



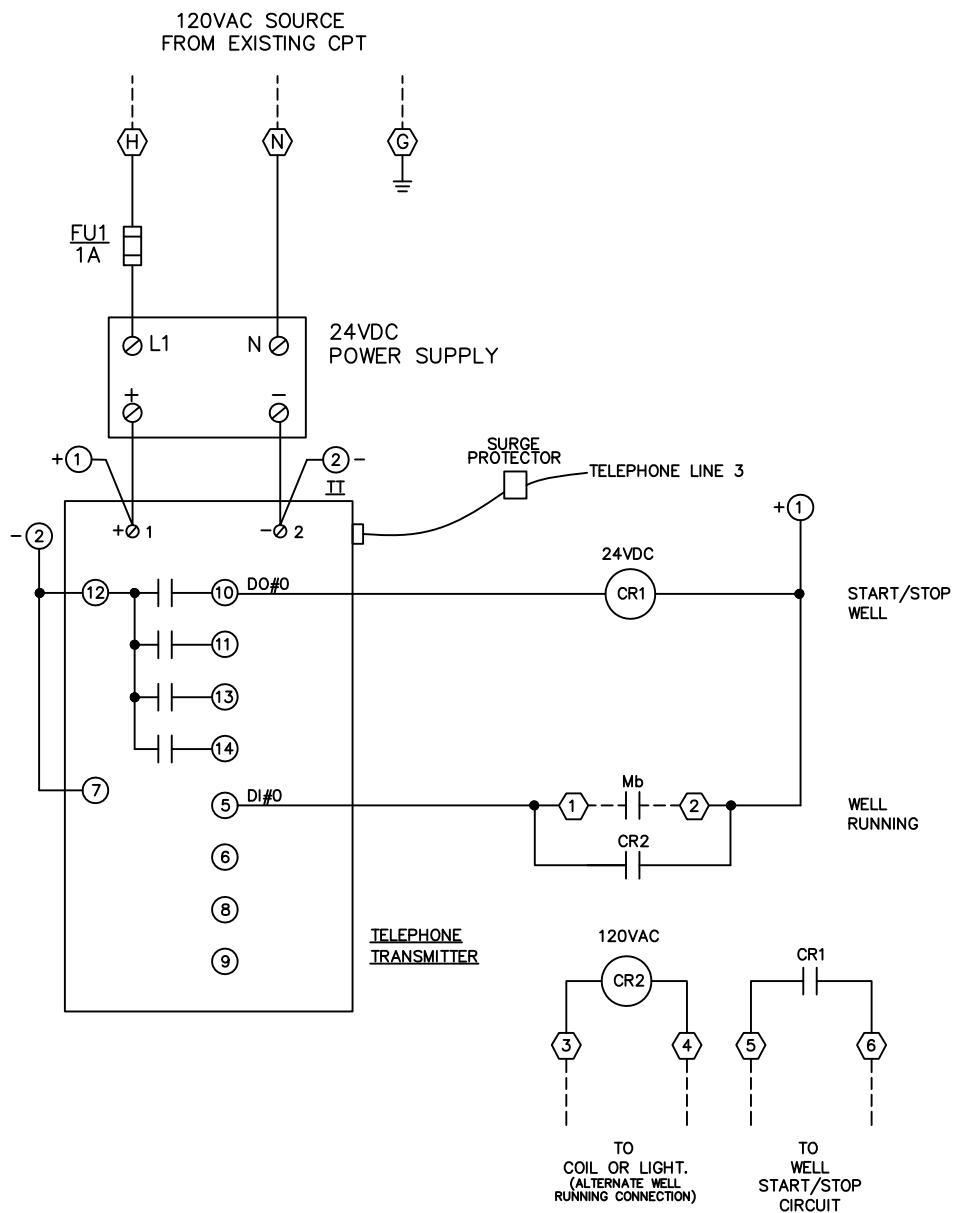
WELL 1 CONTROL PANEL
SCHEMATIC

	Drawing Title					
	CONTROL DIAGRAM					
DATE 11/19/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN Application Engineer R.C.	ECN	DATE	BY
Project Title						
WATER WELL SCADA PROJECT	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
		Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-1958			
			SHEET NUMBER 4			



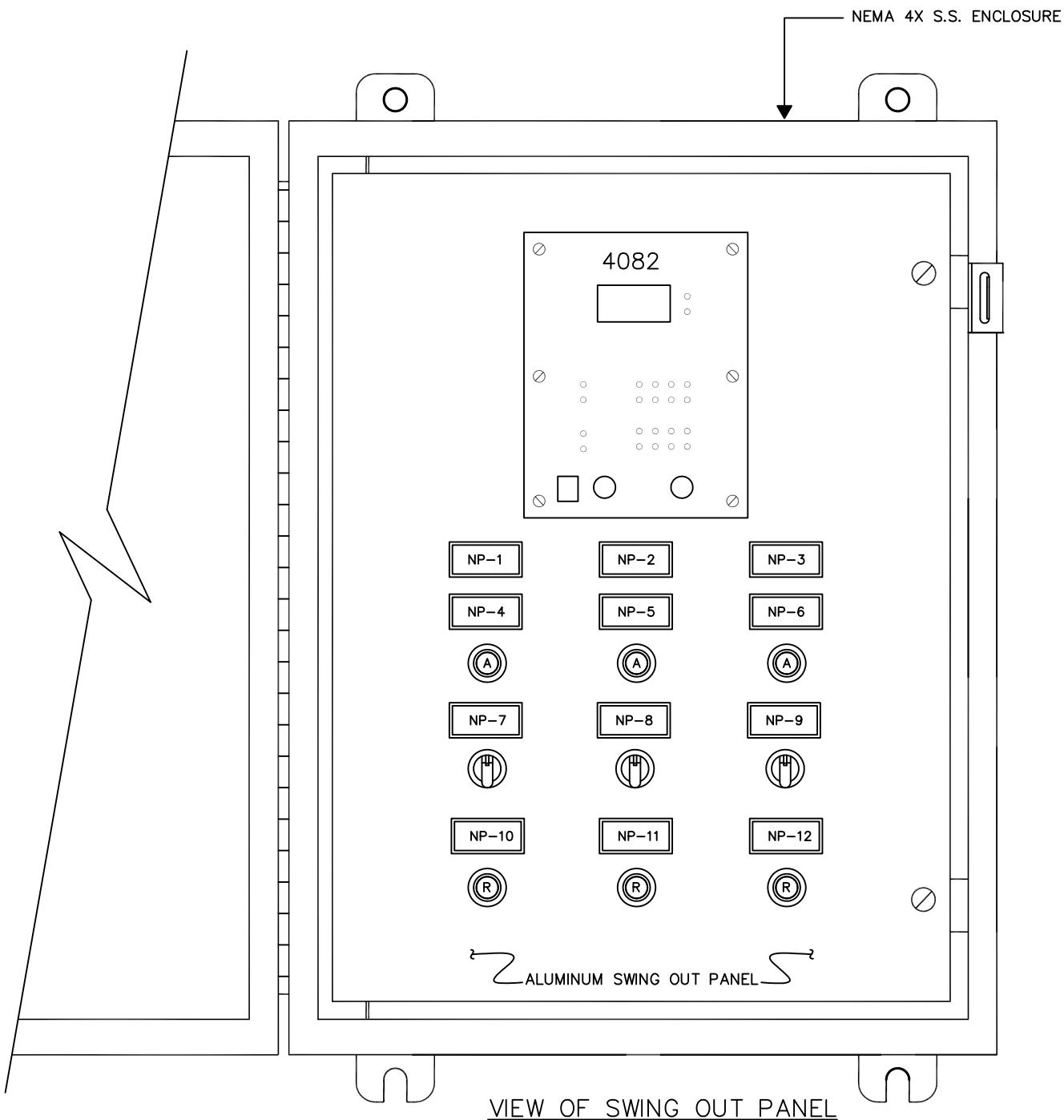
WELL 2 CONTROL PANEL
SCHEMATIC

	Drawing Title						
	CONTROL DIAGRAM						
DATE 11/19/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE		
	Project Title	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
	WATER WELL SCADA PROJECT		Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-1958		
					SHEET NUMBER 5		



WELL 3 CONTROL PANEL
SCHEMATIC

	Drawing Title						
	CONTROL DIAGRAM						
DATE 11/19/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE		
Project Title WATER WELL SCADA PROJECT	COX Research and Technology, Inc.				PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809 DRAWING NUMBER CP-1958 SHEET NUMBER 6		



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	WELL 1	NP-10	RUN
NP-2	WELL 2	NP-11	RUN
NP-3	WELL 3	NP-12	RUN
NP-4	CALL		
NP-5	CALL		
NP-6	CALL		
NP-7	HOA		
NP-8	HOA		
NP-9	HOA		

NOTE:

SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title						
	ENCLOSURE						
DATE 11/19/04	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED	BY
		C.C.	R.C.	BY C. RACHAL		BY	DATE
Project Title WATER WELL SCADA PROJECT							PURCHASE ORDER NUMBER
							DRAWING NUMBER
							CP-1958
							SHEET NUMBER
							7

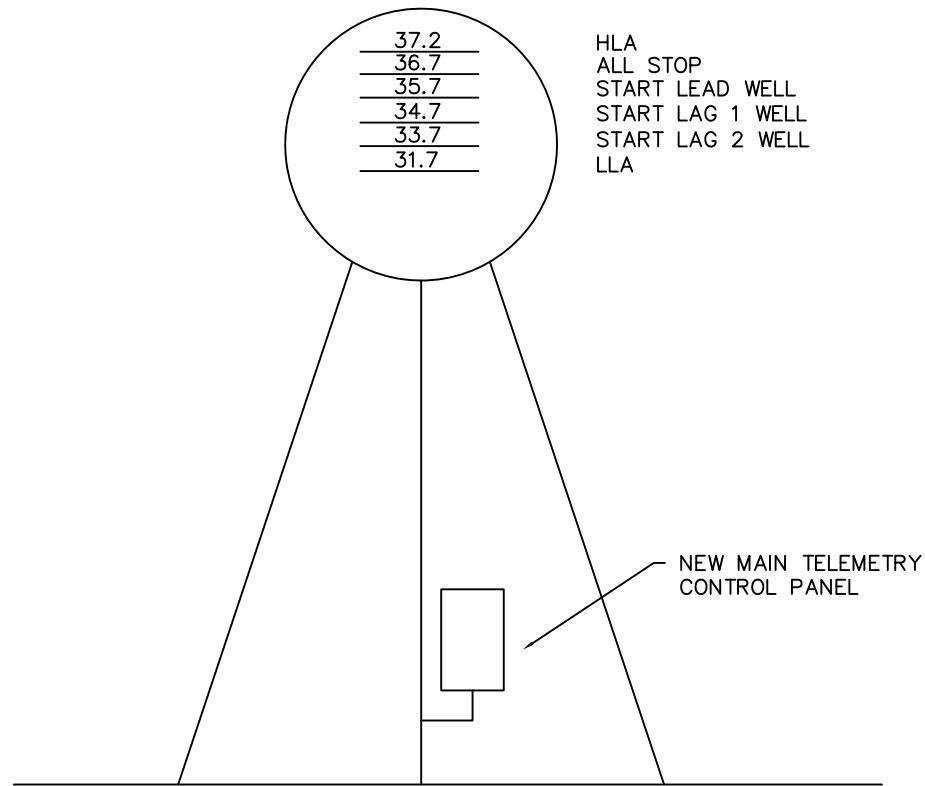
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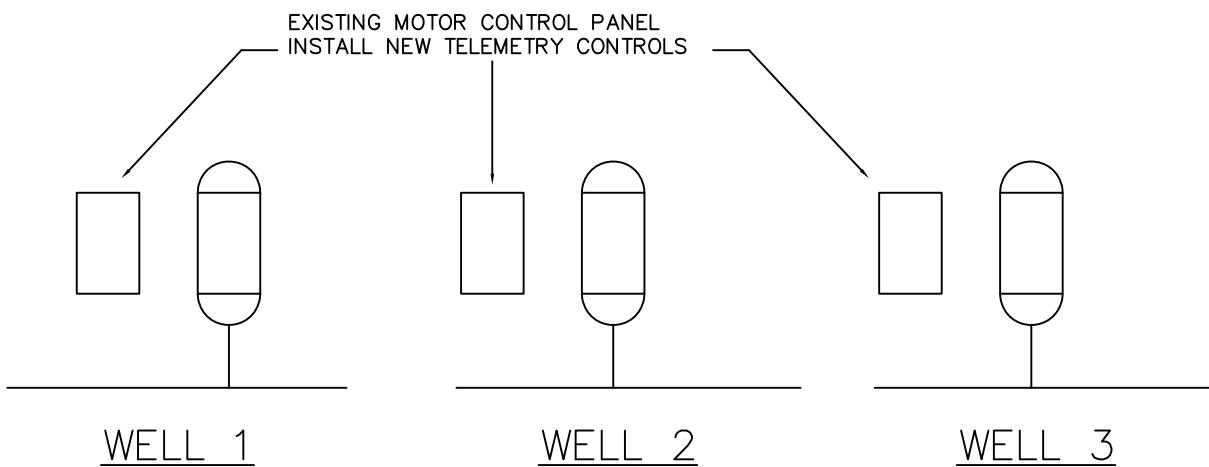
BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S302410N4XW/ 1/4 TURN	ENCLOSURE 1
1a	1	EBE	3024P	BACKPLATE 1
1b	1	EBE	A3024SP	DEAD FRONT
2	2	SQUARE D	QOU120	CB1,2
3	1	DIVERSIFIED	ARM-120-ACE	TRIPLEX ALTERNATOR
4	1	TIMEMARK	4082	SET POINT CONTROLLER
5	3	ACI	JR22FR	RED PILOT LIGHT
6	3	ACI	JR22FA	AMBER PILOT LIGHT
7	3	ACI	JR22P3M20B	HOA SWITCH
8	4	IDEC	RU2SA110	CR1-3, 7
9	3	IDEC	RU2SD12	CR4-6
10	1	SENSAPHONE	1104	TELEPHONE DIALER
11	1	SIEMENS	6EP1331SH02	24VDC POWER SUPPLY
12	3	TRIPPLITE	DTEL2	SURGE PROTECTOR
13	3	NBT	SM305M-I1-M	MASTER TRANSMITTER
14	1	APC	B325	UPS
15	1	EBE	SJH14126N4X	ENCLOSURE 2
16	1	EBE	1412P	BACKPLATE 2
17	1	ROSEMOUNT	3051	PRESSURE TRANSMITTER
18	1	DAYTON	4BA54	HEATER
19	3	NBT	SM305-I0-M1	SLAVE TRANSMITTER
20	3	SIEMENS	6EP1331SH02	24VDC POWER SUPPLY
21	3	TRIPPLITE	DTEL2	SURGE PROTECTOR
22	3	IDEC	RU2SA110	CR2
23	3	IDEC	RU2SD24	CR1
24	3	VYNCKIER	MP1210A	BACKPLATE

	Drawing Title BILL OF MATERIALS DATE 11/19/04					
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE
		Application Engineer R.C.				
	Project Title WATER WELL SCADA PROJECT	<hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1958		
			Ph. (225)756-3271 Fax (225)755-1030	SHEET NUMBER 8		



EWT



	Drawing Title					
	SYSTEM OVERVIEW					
DATE 11/19/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE APPROVED BY DATE	BY
Project Title WATER WELL SCADA PROJECT	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1958 SHEET NUMBER 9			

TELEPHONE DIALER INFORMATION

TELEPHONE NUMBERS:

TOWER 644-1488

CALL LIST 1. 647-2841
 2. 1-225-802-4012
 3. 673-8998
 4. 644-5307

LOCAL ACKNOWLEDGEMENT OF ALARM:

PRESS ANY KEY

TOUCH-TONE ACKNOWLEDGEMENT OF ALARM:

ENTER "555" AFTER MESSAGE CONCLUDES:

"INDICATE YOU HAVE RECEIVED WARNING MESSAGE."

FOR ANY OTHER INFORMATION, REFER TO SENSAPHONE USER'S MANUAL
OR CALL SENSAPHONE AT (610) 558-2700.

ALARM POINT 1 LOW LEVEL @ EWST
 2 HIGH LEVEL @ EWST
 3 POWER FAILURE @ EWST