
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	_____	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	_____	
NO. MOTORS	_____	
HP	_____	
FLA	_____	
TYPE OF PUMP	_____	(Self-Priming, Submersible)
MANUFACTURER	_____	
CATALOG NUMBER	_____	
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	_____	


OPTIONS:

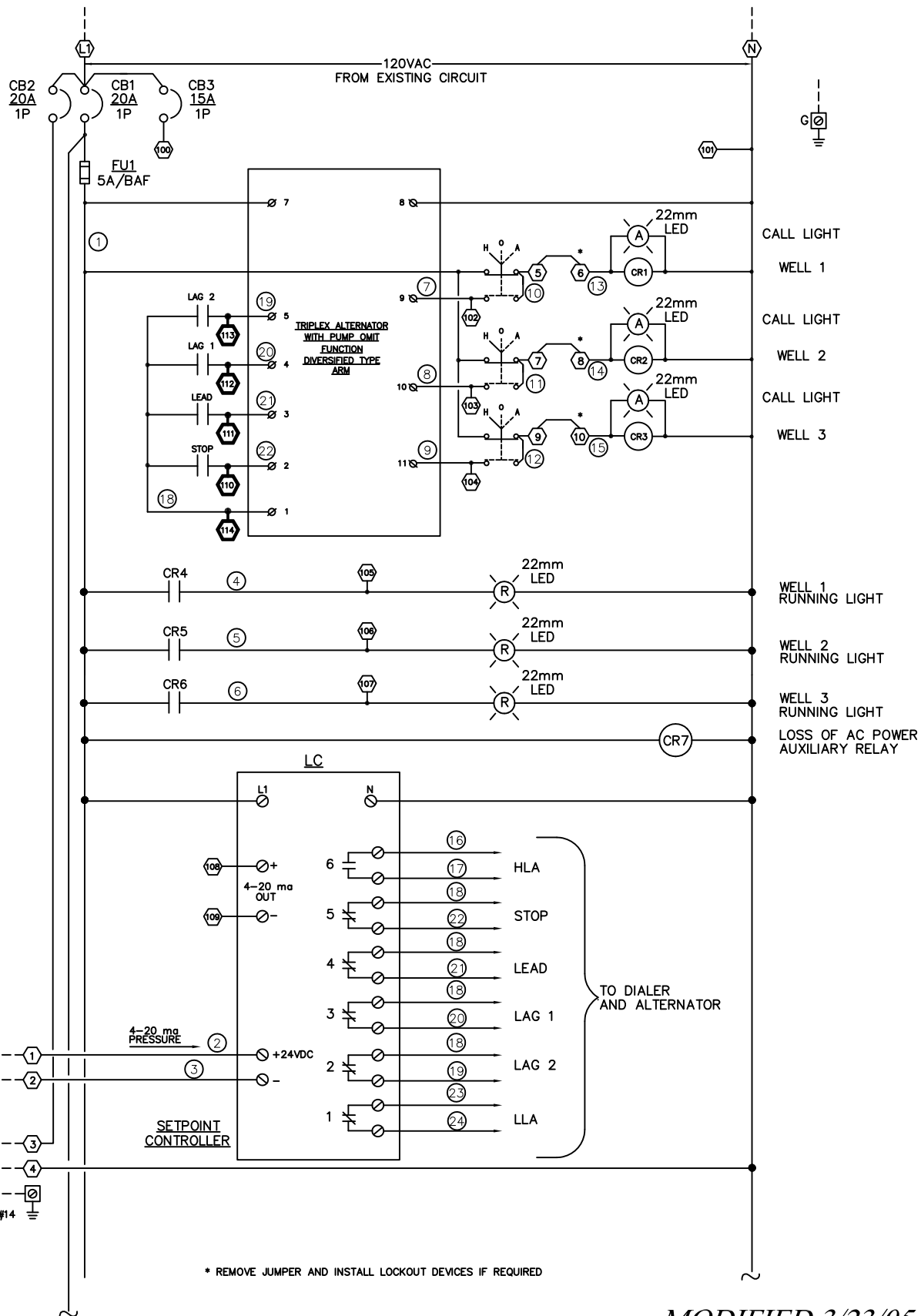
SEAL FAIL LIGHTS	_____	(Submersible Only)
SEAL FAIL RELAYS	_____	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	_____	(Submersible Only)
HT PUMP SHUTDOWN	_____	(Self-Primer, Submersible)
ALARM HORN	_____	
ALARM LIGHT	_____	
LIGHT PANEL MTD	_____	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER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

SOLD TO: Sun Electric

TAG : Gonzales Water Well Scada Project

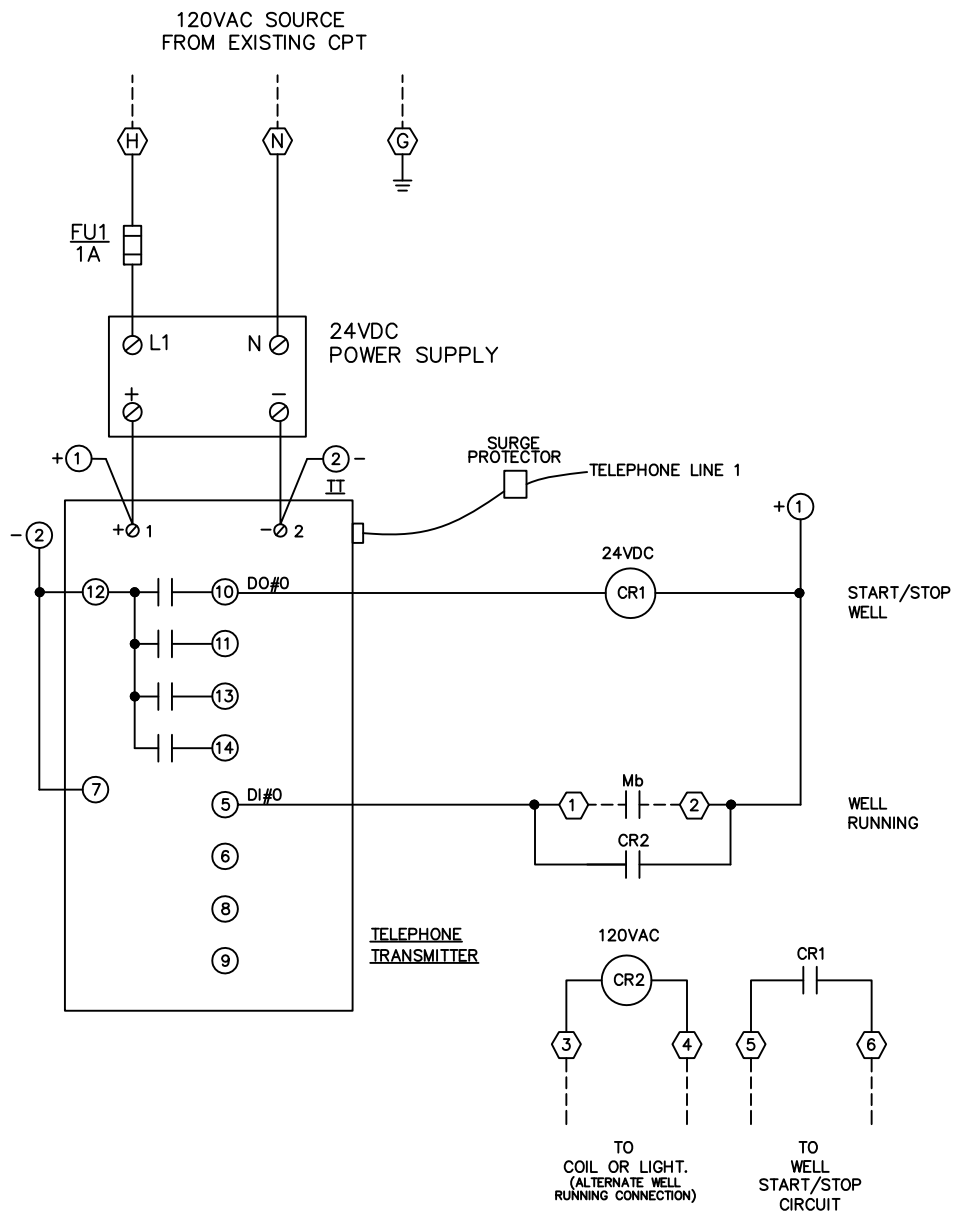
SHIP TO: _____

	Drawing Title						
	PANEL DESCRIPTION						
DATE 11/19/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="text-align: center;">  COX Research and Technology, Inc. </div>			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 1



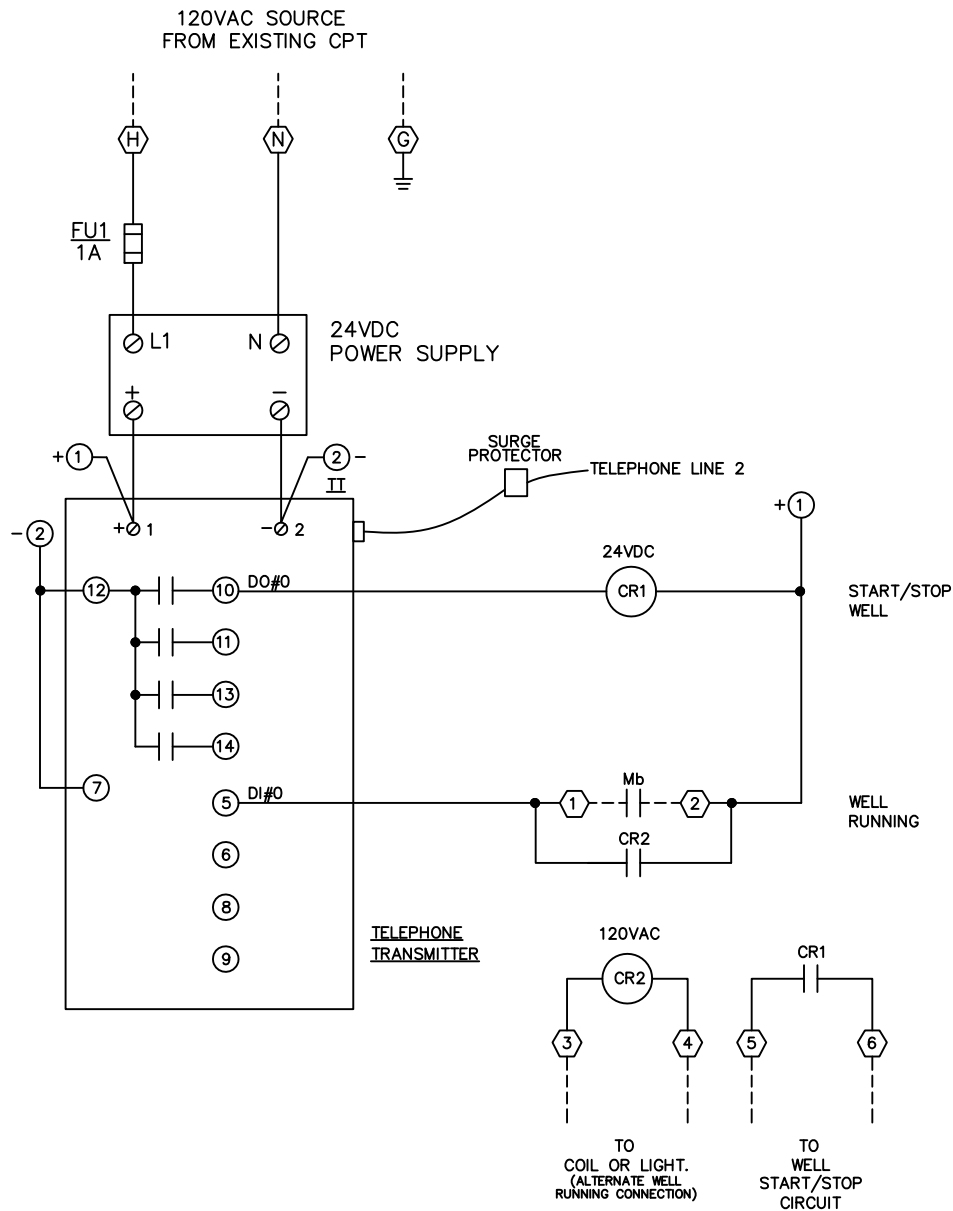
MODIFIED 3/23/05

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



WELL 1 CONTROL PANEL
SCHEMATIC

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



WELL 2 CONTROL PANEL
SCHEMATIC

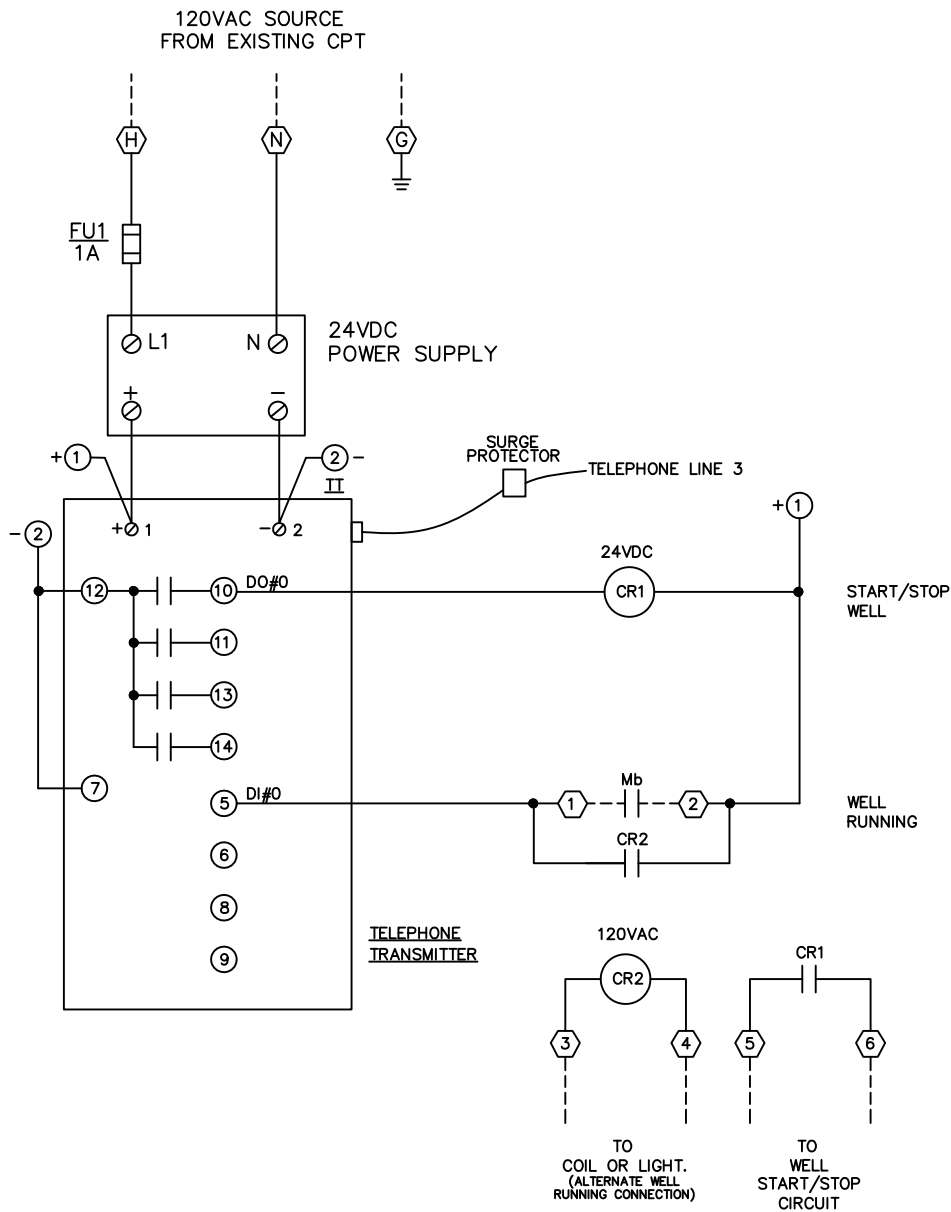
	Drawing Title								
	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
11/19/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	BY C. RACHAL	APPROVED			
	Project Title							PURCHASE ORDER NUMBER	
	WATER WELL SCADA PROJECT							DRAWING NUMBER	CP-1958
								SHEET NUMBER	5

COX

Research and Technology, Inc.

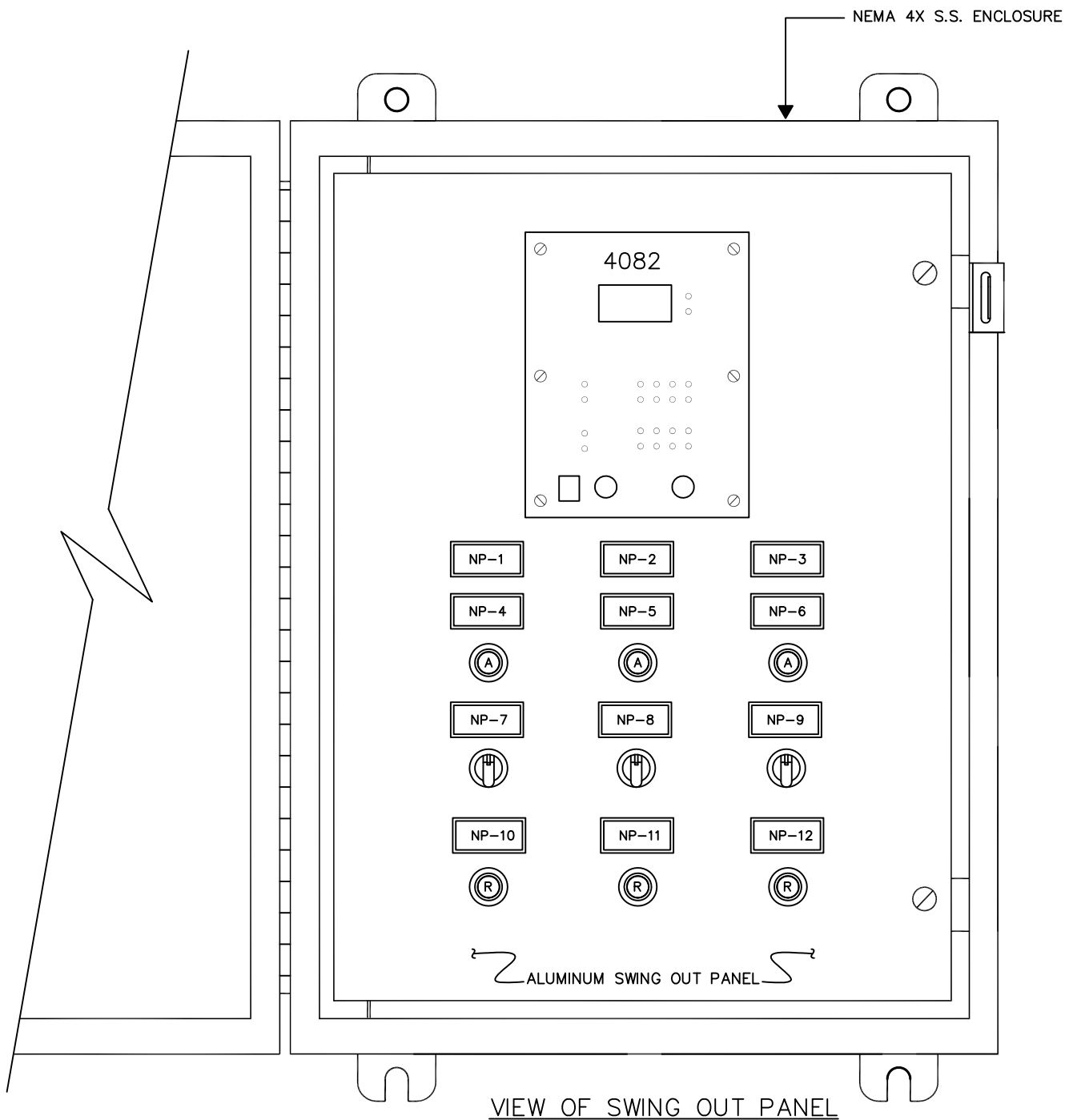
P.O. Box 77808
Baton Rouge, LA
70809

Ph. (225)756-3271
Fax (225)755-1030



WELL 3 CONTROL PANEL
SCHEMATIC

DATE 11/19/04	Drawing Title								
	CONTROL DIAGRAM								
	Project Title	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN	DATE
		S/N		Sales Engineer		Application Engineer		DRAWN	
				C.C.		R.C.		BY C. RACHAL	
	WATER WELL SCADA PROJECT							APPROVED	
								BY	
								DATE	
								PURCHASE ORDER NUMBER	
								DRAWING NUMBER	
								CP-1958	
								SHEET NUMBER	
								6	



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

NAMEPLATE SCHEDULE

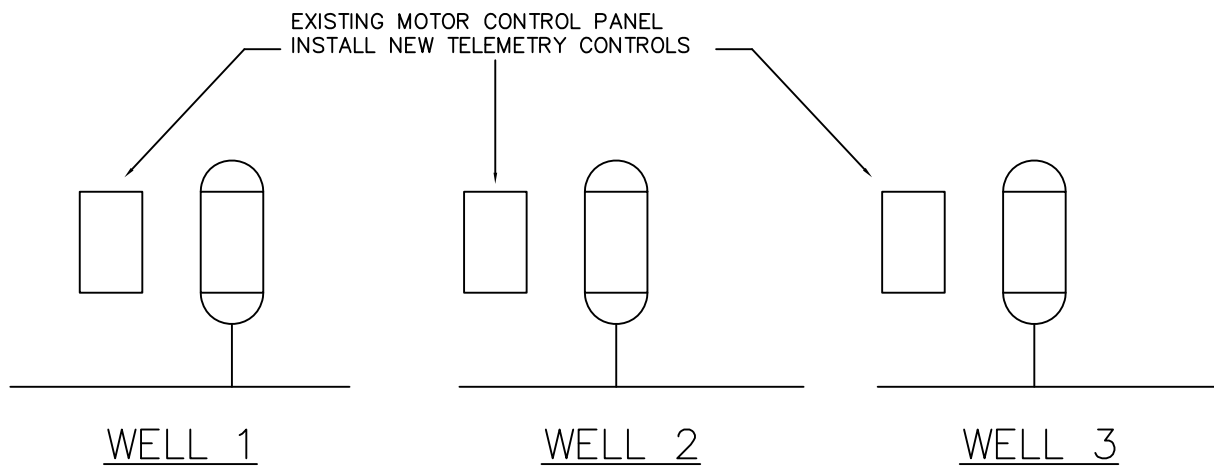
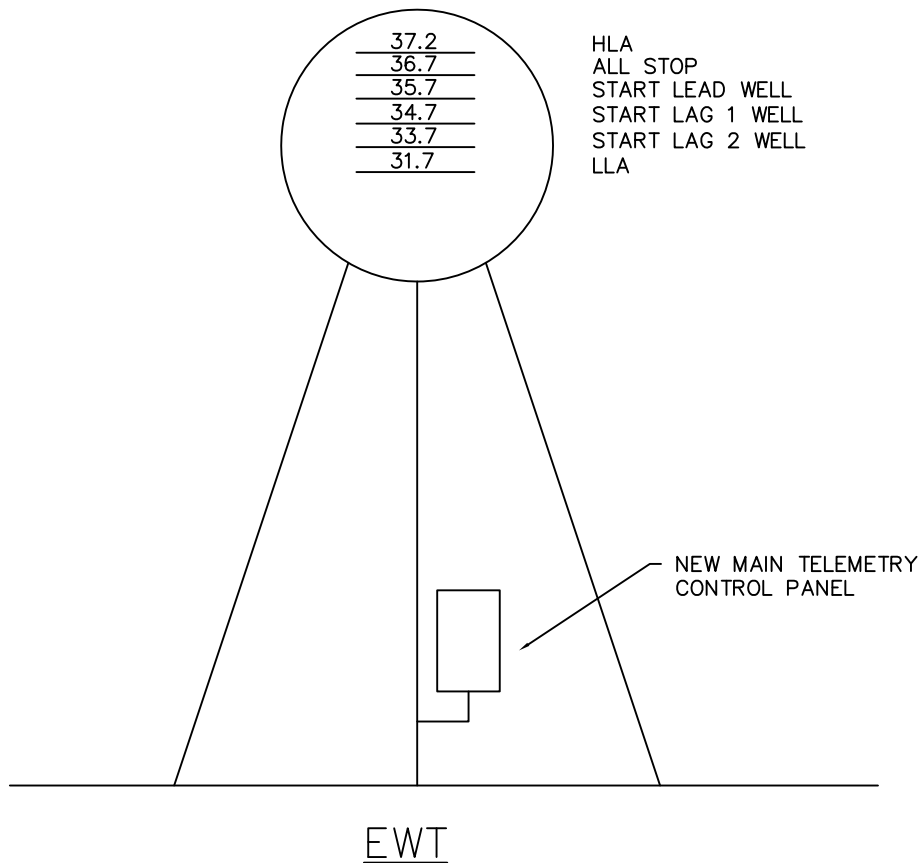
NP-1	WELL 1	NP-10	RUN
NP-2	WELL 2	NP-11	RUN
NP-3	WELL 3	NP-12	RUN
NP-4	CALL		
NP-5	CALL		
NP-6	CALL		
NP-7	HOA		
NP-8	HOA		
NP-9	HOA		

	Drawing Title ENCLOSURE							
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	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 7	

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-IO-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 Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 150px;"> COX Research and Technology, Inc. </div>			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 8
	WATER WELL SCADA PROJECT						



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