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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL THE HAVEN SUBDIVISION

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

CP-1350r1

VOLTAGE	480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	6.2	
FLA	7.8	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	GR	
CATALOG NUMBER		
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE	5	

OPTIONS:

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

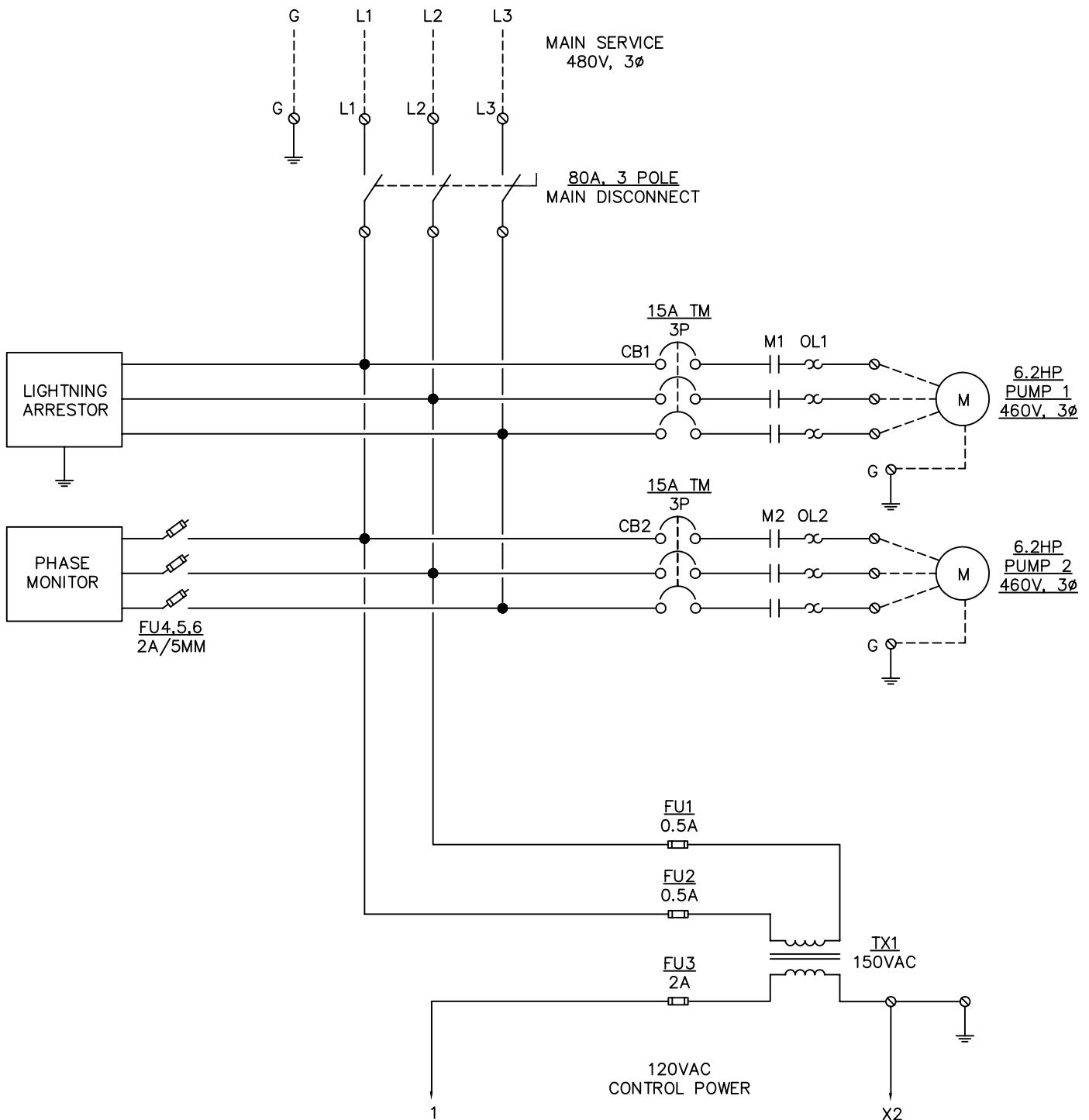
SOLD TO: Delta Process - Bossier City, LA  
TAG : Southern Soil - The Haven Subdivision

SHIP TO: Delta Process - Shreveport, LA

P.O. # 12073-23259

CR17DSU6.2G3480V47.8N,LA,ETM,PM,GRL

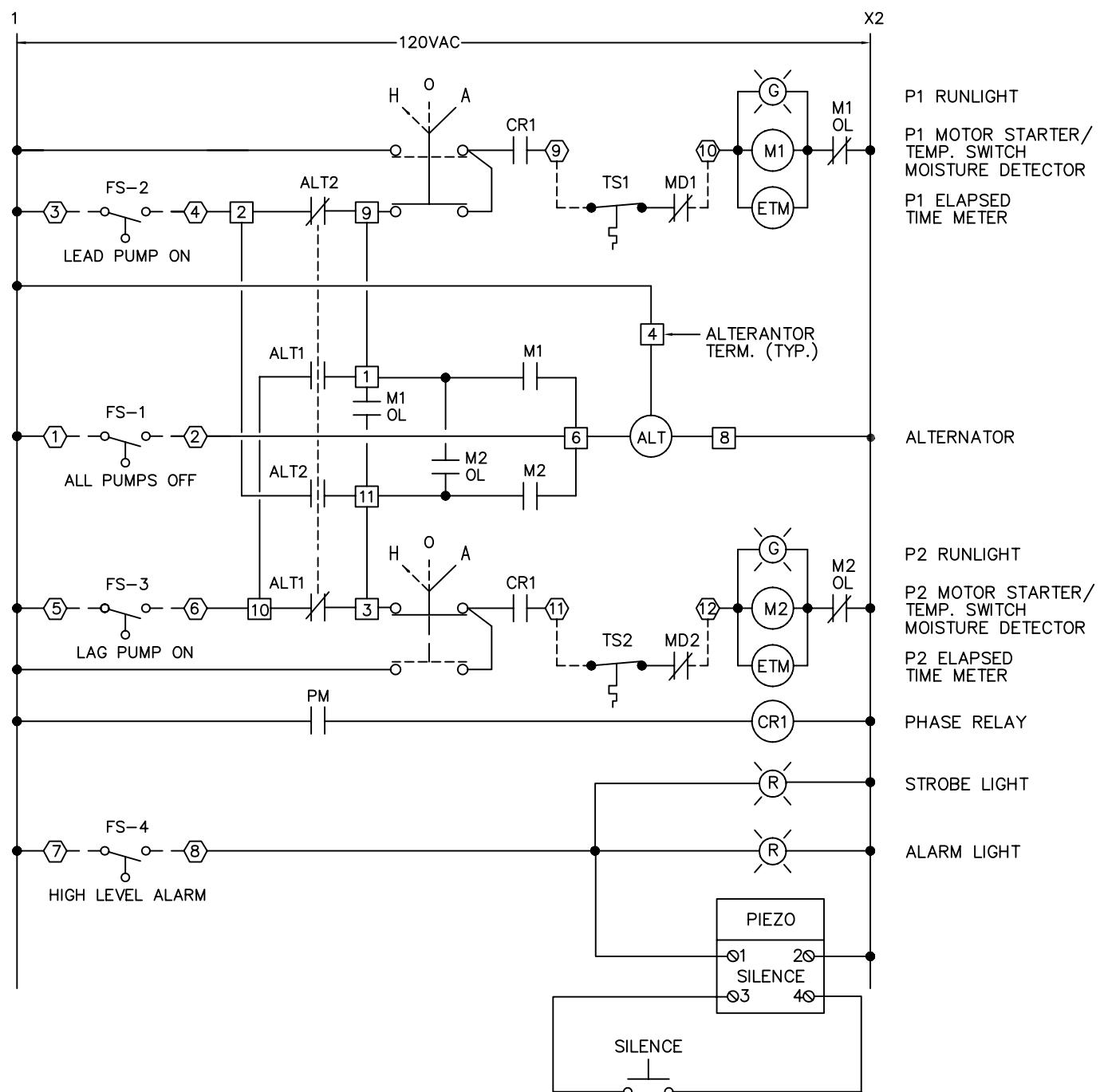
Drawing Title	PANEL DESCRIPTION	R1	ADD STROBE/AUDIO ALARM		10/16/07	HNB
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE
DATE 10/17/07	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED	BY
	C.C.		R.C.	BY M.S.	BY	DATE
Project Title	THE HAVEN SUBDIVISION CONTROL PANEL	<u>COX</u> Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER DRAWING NUMBER SHEET NUMBER	
					CP-1350rl	1



SCHEMATIC KEY

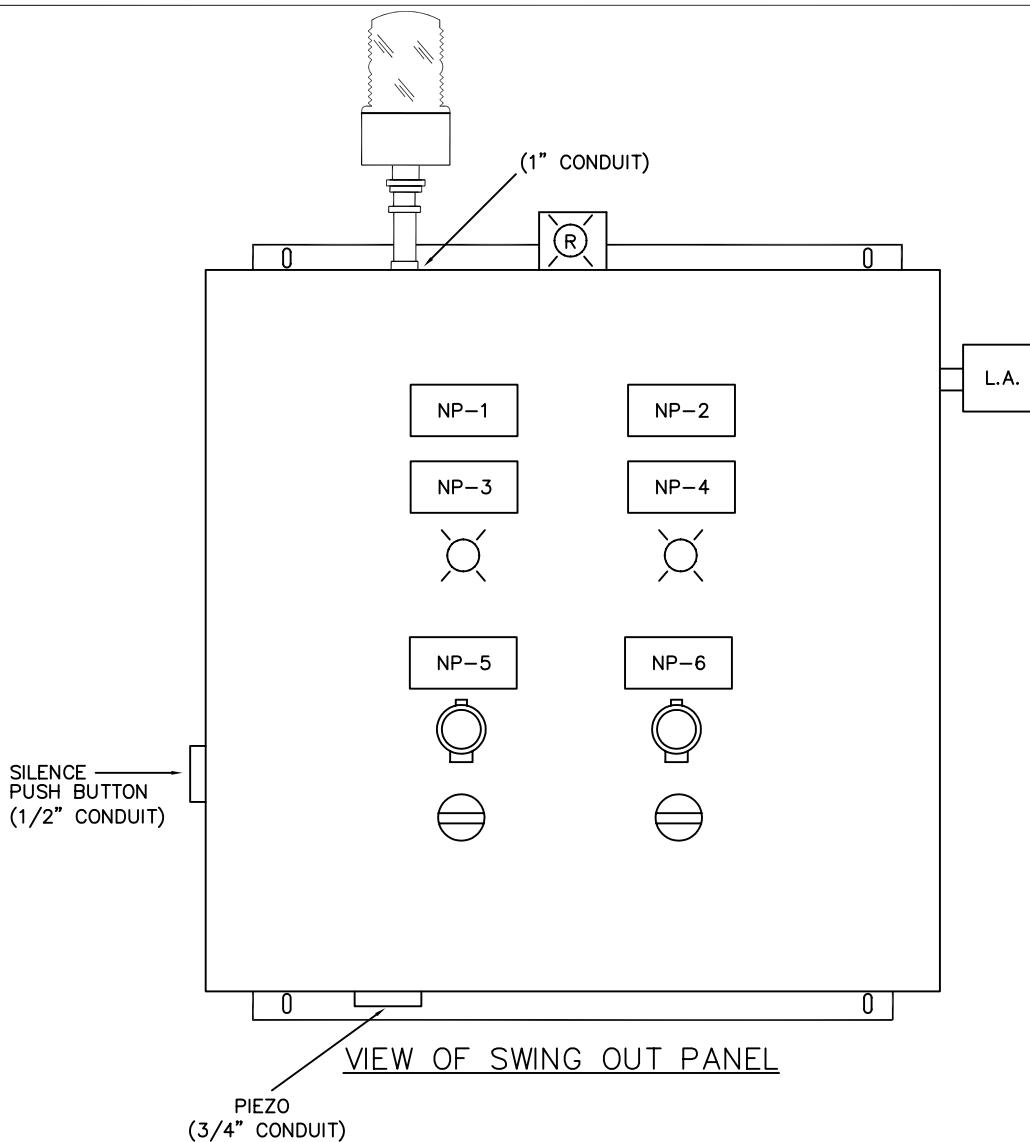
- (1) WIRE NUMBERS OR COLOR
- (2) TERMINAL NUMBER
- (3) ALTERNATOR TERMINAL

	Drawing Title	R1	ADD STROBE/AUDIO ALARM		10/16/07	HNB
	POWER DIAGRAM					
DATE 10/17/07	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY M.S.	DATE APPROVED BY	BY
Project Title	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
THE HAVEN SUBDIVISION CONTROL PANEL		Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1350r1			
			SHEET NUMBER 2			


**SCHEMATIC KEY**

- ③ WIRE NUMBERS OR COLOR
- ④ TERMINAL NUMBER
- ▀ ALTERNATOR TERMINAL

	Drawing Title	R1	ADD STROBE/AUDIO ALARM	10/16/07	HNB
	CONTROL DIAGRAM				
DATE 1/18/02	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY M.S.	DATE APPROVED BY DATE
Project Title THE HAVEN SUBDIVISION CONTROL PANEL	COX Research and Technology, Inc.	P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1350r1		
		Ph. (225)756-3271 Fax (225)756-1030	SHEET NUMBER 3		



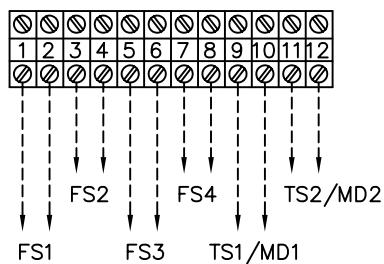
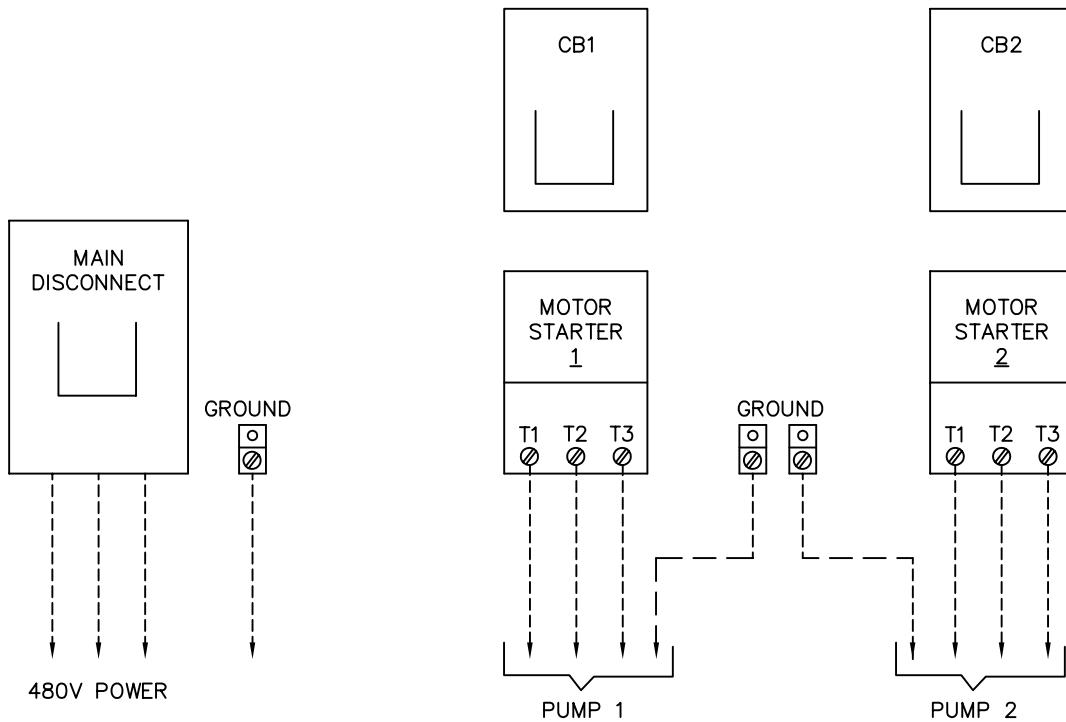
#### NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	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  <b>ENCLOSURE</b>	R1	ADD STROBE/AUDIO ALARM		10/16/07	HNB
DATE 10/17/07	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY M.S.	DATE APPROVED BY DATE
Project Title  <b>THE HAVEN SUBDIVISION CONTROL PANEL</b>	<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER  DRAWING NUMBER CP-1350rl SHEET NUMBER 4	
			Ph. (225)756-3271 Fax (225)756-1030		



FS1 – FLOAT SWITCH 1  
 ALL PUMPS OFF  
 FS2 – FLOAT SWITCH 2  
 LEAD PUMP ON  
 FS3 – FLOAT SWITCH 3  
 LAG PUMP ON  
 FS4 – FLOAT SWITCH 4  
 HIGH LEVEL ALARM  
 TS1/MD1 – TEMP. SWITCH/MOISTURE DETECTOR 1  
 TS2/MD2 – TEMP. SWITCH/MOISTURE DETECTOR 2

	Drawing Title	R1	ADD STROBE/AUDIO ALARM	10/16/07	HNB
	EXTERNAL CONNECTIONS				
DATE 10/17/07		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY M.S.
	Project Title	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER APPROVED BY DATE
	THE HAVEN SUBDIVISION CONTROL PANEL			Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1350r1 SHEET NUMBER 5

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	ABB	OT63E3	MAIN DISC. SWITCH
3	2	ABB	A12-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU8.5	O.L. RELAY (6.0-8.5A)
5	2	ABB	S1N015TL	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	2	ACI	JR22P3M20B	HOA SWITCH
8	2	ACI	JR22FG	GREEN LIGHT
9	1	SQUARE D	9070TF150D1	TRANSFORMER
10	1	AC/DC	BL5-R-120-TF	ALARM LIGHT
11	1	C-H	CHSA03	LIGHTNING ARRESTOR
12	2	GRASSLIN	UWZ52E	ETM
13	1	TOMAR	490S	STROBE LIST
14	1	INGRAM	PW120A	PIEZo BUZZER
15	1	INGRAM	SM120A	SILENCE MODULE
16	1	ABB	CP110B-20	PUSH BUTTON
17				
18				
19				
20				
21				
22				
23				
24				
25				

Drawing Title  BILL OF MATERIALS			R1	ADD STROBE/AUDIO ALARM			10/16/07	HNB
DATE 10/17/07	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY M.S.			APPROVED BY	
Project Title  THE HAVEN SUBDIVISION CONTROL PANEL							PURCHASE ORDER NUMBER	
							DRAWING NUMBER	
							CP-1350r1	
						SHEET NUMBER		
						6		