
COX

Research and Technology, Inc.

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 ARRESTER	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		

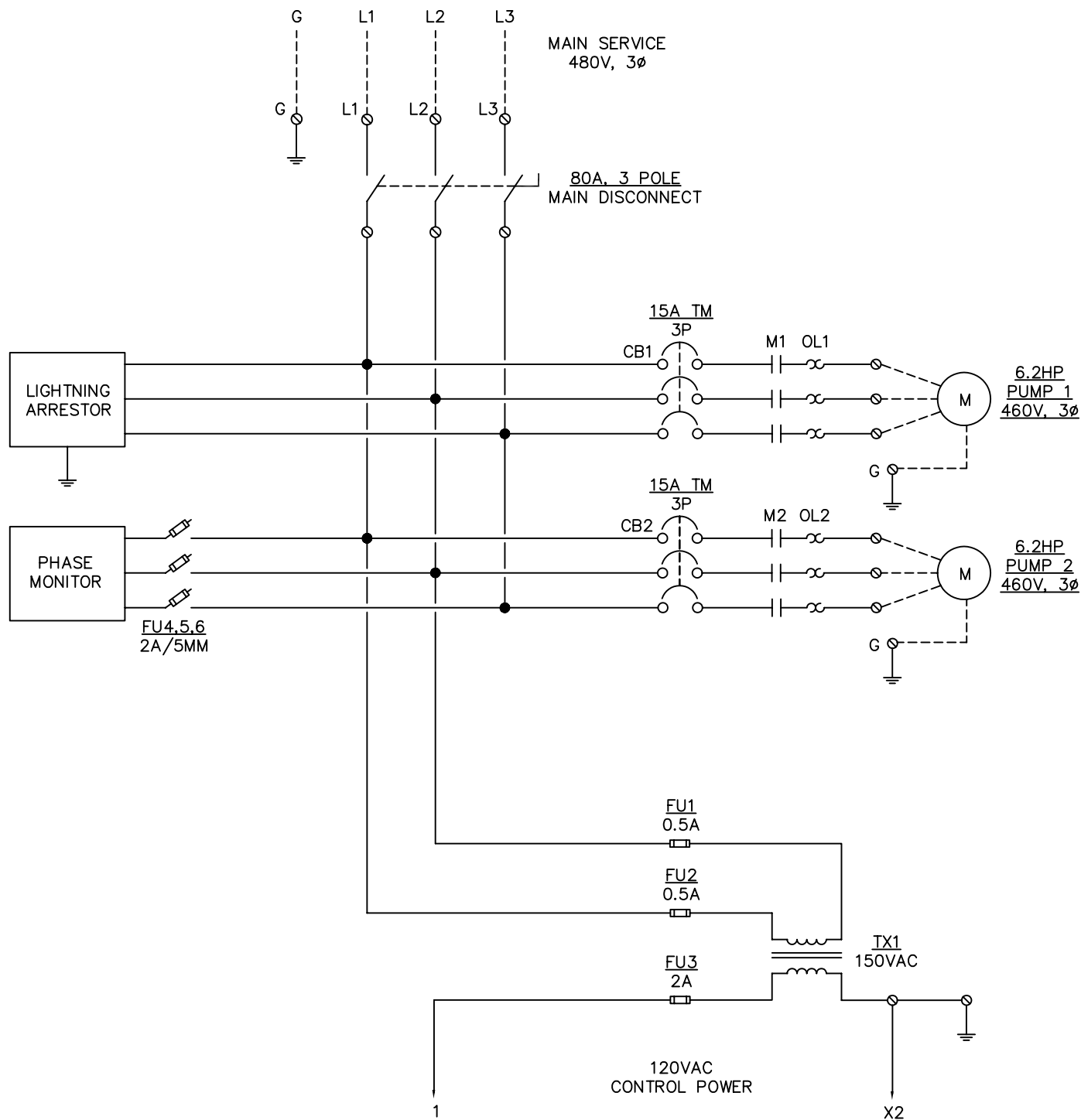
SOLD TO: Delta Process - Bossier City, LA
TAG : Southern Soil - The Haven Subdivision

SHIP TO: Delta Process - Shreveport, LA

P.O. # 12073-23259

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

	Drawing Title		R1	ADD STROBE/AUDIO ALARM		10/16/07	HNB
	PANEL DESCRIPTION						
DATE 10/17/07		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
				DRAWN BY M.S.	APPROVED BY	DATE	
	Project Title	<div style="text-align: center;">  Research and Technology, Inc. </div>			P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030		PURCHASE ORDER NUMBER
	DRAWING NUMBER CP-1350r1						
	SHEET NUMBER 1						

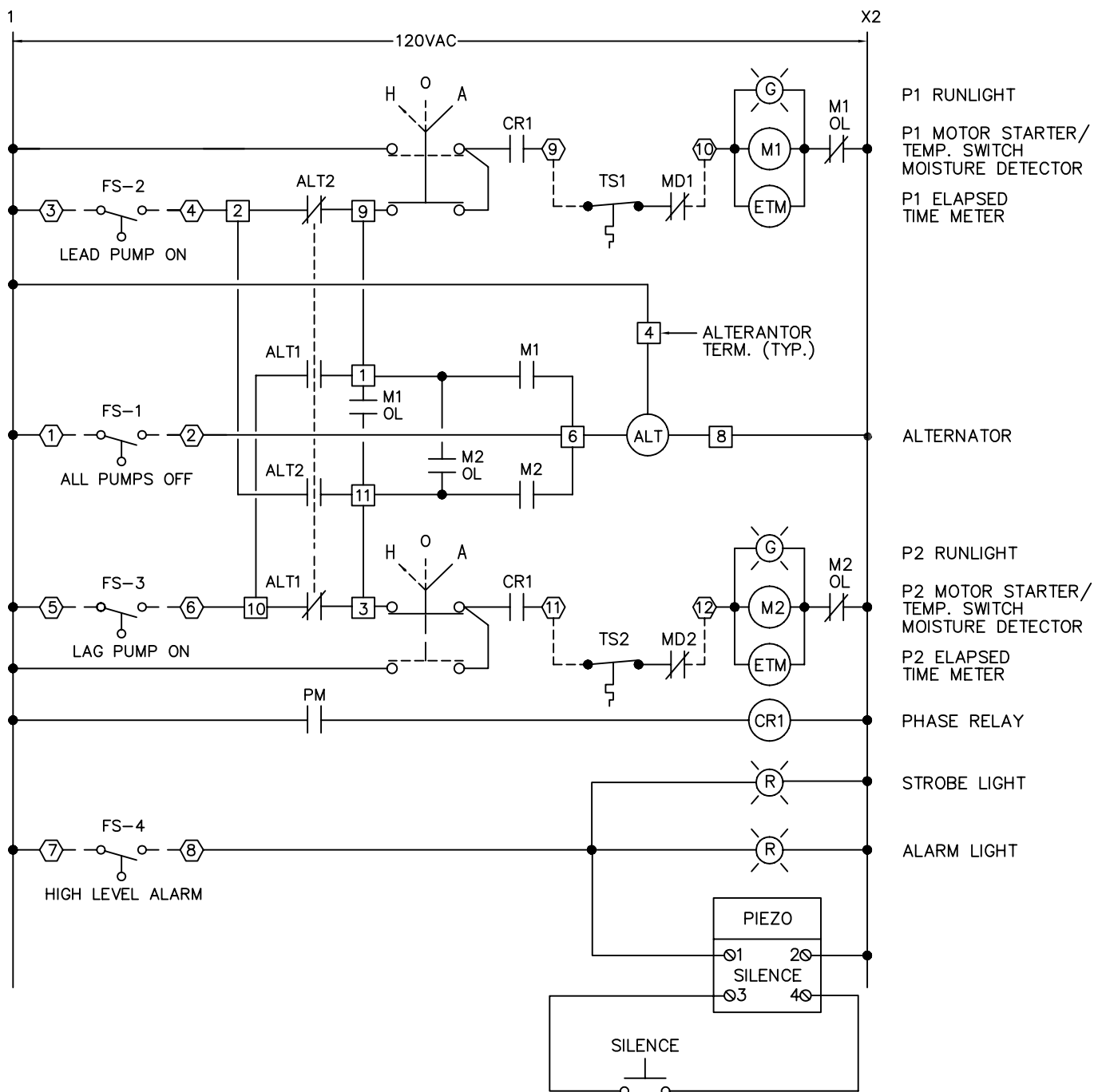


SCHEMATIC KEY		
③	WIRE NUMBERS OR COLOR	
④	TERMINAL NUMBER	
Ⓜ	ALTERNATOR TERMINAL	

	Drawing Title	R1	ADD STROBE/AUDIO ALARM	10/16/07	HNB
	POWER DIAGRAM				
DATE	10/17/07	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN
		S/N	Sales Engineer	Application Engineer	DATE
			C.C.	R.C.	BY
	Project Title				APPROVED
	THE HAVEN SUBDIVISION				PURCHASE ORDER NUMBER
	CONTROL PANEL				DRAWING NUMBER
					CP-1350r1
					SHEET NUMBER
					2

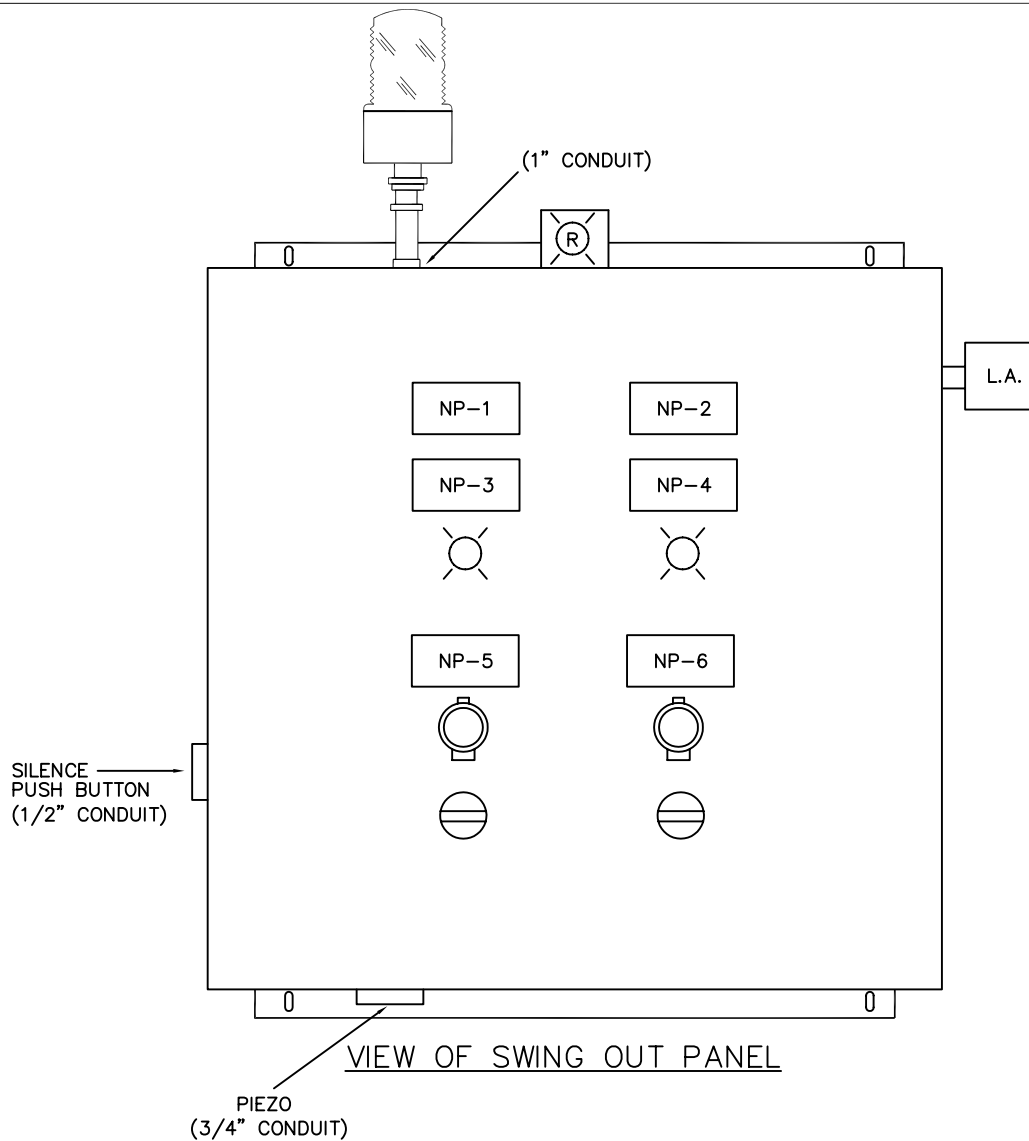
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SCHEMATIC KEY		
③	WIRE NUMBERS OR COLOR	
⑤	TERMINAL NUMBER	
③	ALTERNATOR TERMINAL	

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

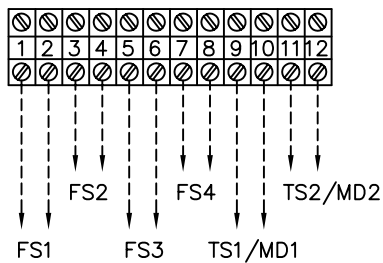
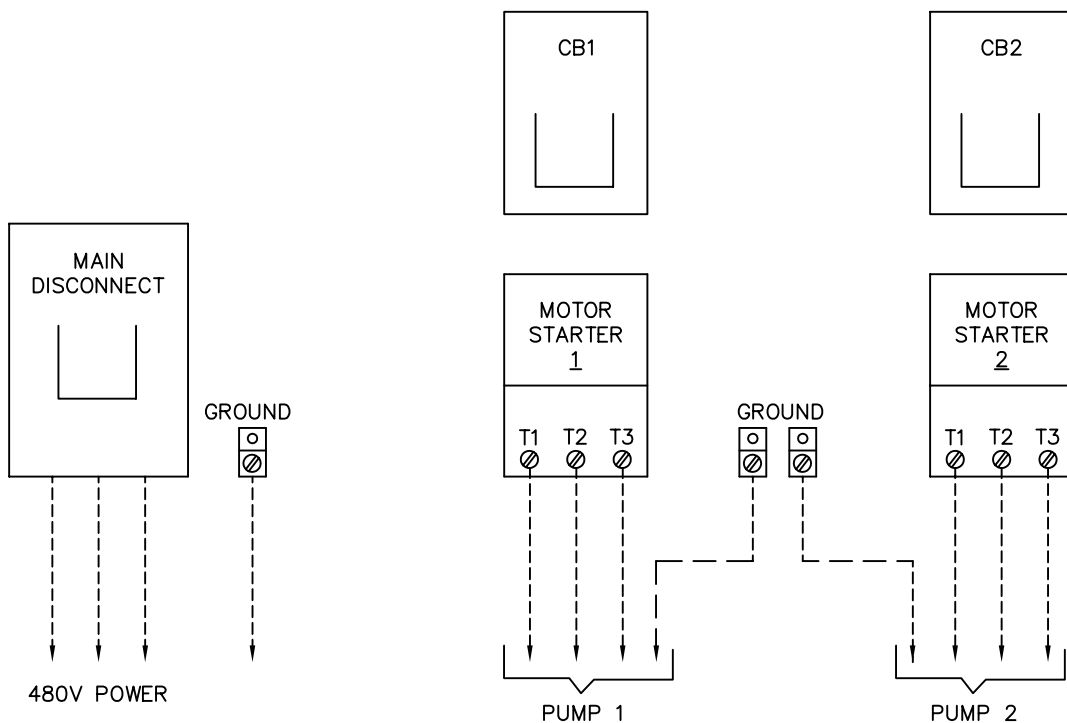


NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

	Drawing Title		R1	ADD STROBE/AUDIO ALARM		10/16/07	HNB
	ENCLOSURE						
DATE 10/17/07		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
	Project Title	DRAWN			APPROVED		
	THE HAVEN SUBDIVISION CONTROL PANEL	BY M.S.			BY	DATE	PURCHASE ORDER NUMBER
		<div> <div>COX</div> <div>Research and Technology, Inc.</div> </div>			<div> <div>P.O. Box 77808 Baton Rouge, LA 70809</div> <div>Ph. (225)756-3271 Fax (225)756-1030</div> </div>		
					DRAWING NUMBER CP-1350r1		
					SHEET NUMBER 4		



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	NO.	REVISION-LOCATION	ECN	DATE	BY
	Project Title	S/N	Sales Engineer C.C.	Application Engineer R.C.	BY M.S.	APPROVED	
	THE HAVEN SUBDIVISION CONTROL PANEL					PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-1350r1	
						SHEET NUMBER	5

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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				
Project Title THE HAVEN SUBDIVISION CONTROL PANEL	COX Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	

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			BY	DATE	

	PURCHASE ORDER NUMBER
	DRAWING NUMBER CP-1350r1
	SHEET NUMBER 6