
COX

Research and Technology, Inc.

DUPLEX PUMP CONTROL PANEL LUKEVILLE

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

CP-2041

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	40	
FLA	52	
TYPE OF PUMP	Self-Priming	(Self-Priming, Submersible)
MANUFACTURER	G-R	
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	Floats	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

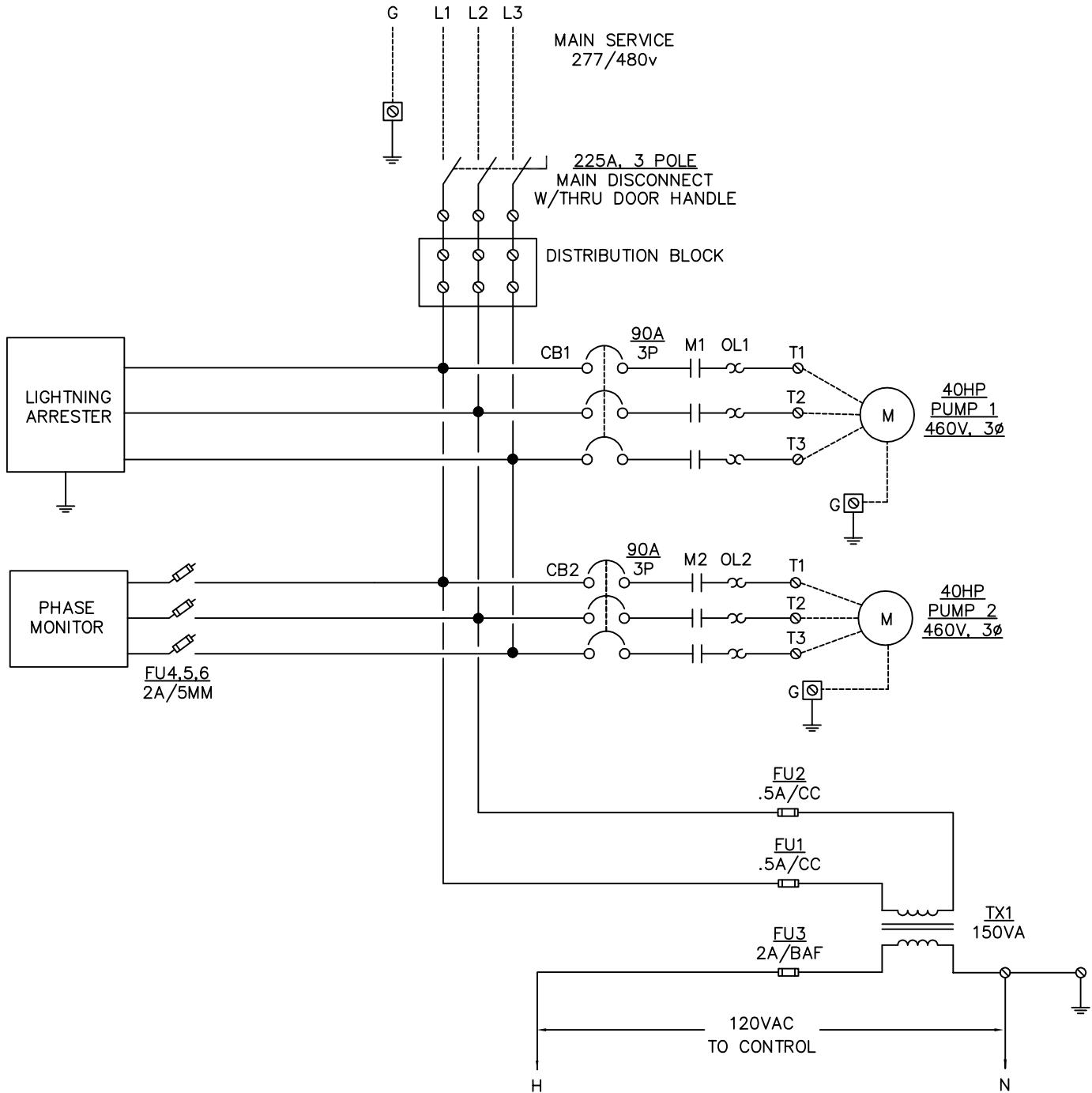
OPTIONS:

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

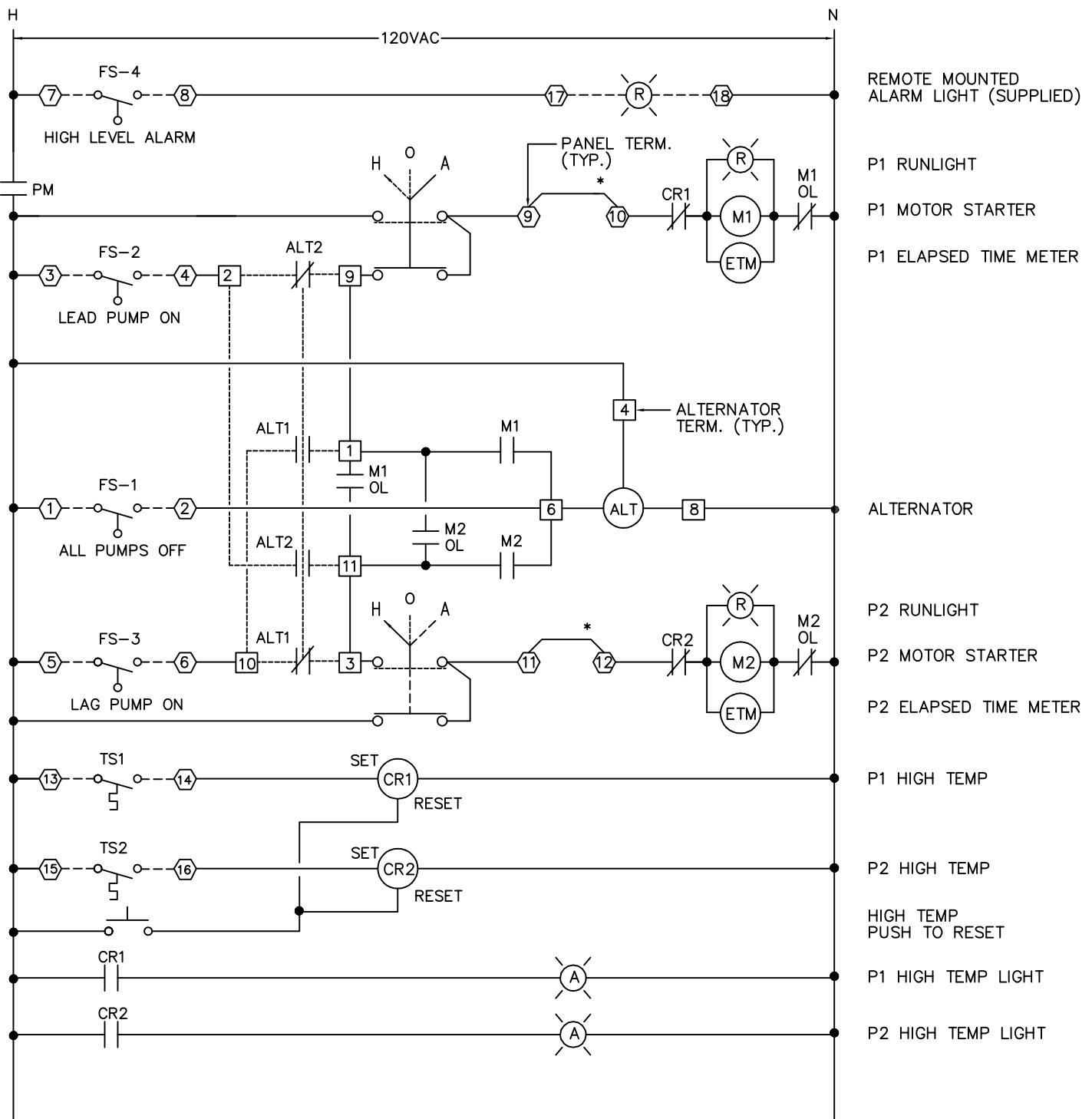
SOLD TO: Delta Process - Denham Springs, LA
TAG : Lukeville

SHIP TO: Delta Process - Denham Springs, LA

Drawing Title	PANEL DESCRIPTION						ECN	DATE	BY
	REFERENCE DRAWING		NO.	REVISION-LOCATION					
DATE 4/20/05	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED				
		C.C.	R.C.	BY C. RACHAL	BY				
Project Title				P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
DUPLEX PUMP CONTROL PANEL	COX	Research and Technology, Inc.		Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER	CP-2041		
						SHEET NUMBER			1

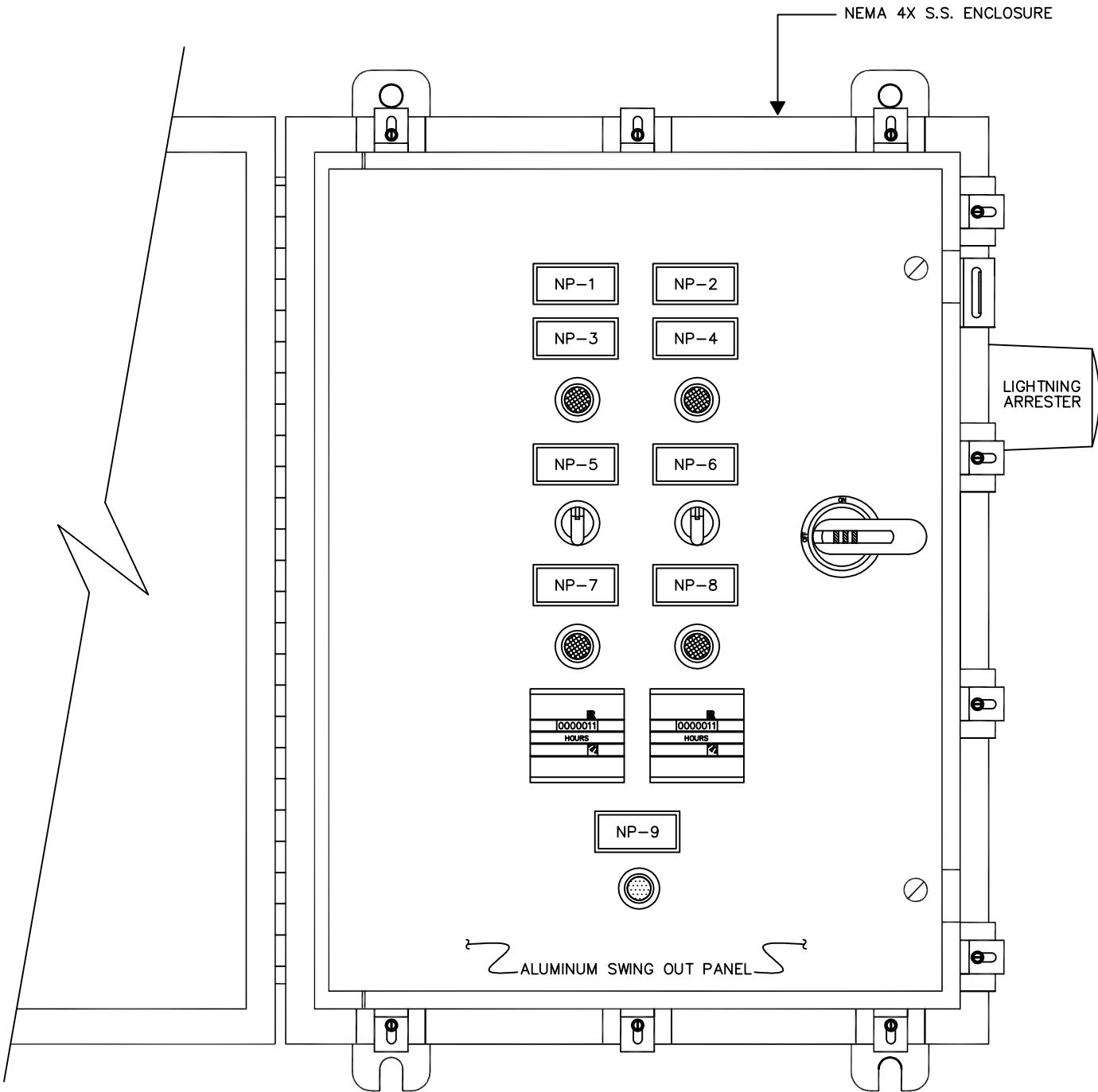


	Drawing Title						
	POWER DIAGRAM						
DATE 4/20/05	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
Project Title	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
DUPLEX PUMP CONTROL PANEL				Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2041		
					SHEET NUMBER 2		



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title CONTROL DIAGRAM								
		REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
DATE 7/26/04	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED				
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.				P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER			
					DRAWING NUMBER CP-2041				
					SHEET NUMBER 3				



VIEW OF INNER SWING PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA
NP-7	HIGH TEMP
NP-8	HIGH TEMP
NP-9	HIGH TEMP RESET

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

Drawing Title ENCLOSURE							
	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
DATE 4/20/05							
Project Title DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2041 SHEET NUMBER		
				Ph. (225)756-3271 Fax (225)755-1030			4

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S242010N4X	ENCLOSURE
1a	1	EBE	A2420P	BACKPLATE
1b	1	EBE	A2420SP	DEAD FRONT
2	2	ABB	A75N3-30-11-84	MOTOR STARTER
3	2	ABB	TA75DU63	O.L. RELAY (45-63A)
4	2	ABB	S1NO90TL	CIRCUIT BREAKER
5	2	A-B	800H-QRT10R	RED PILOT LIGHT PTT
6	2	A-B	800H-JR2A	HOA SWITCH
7	1	ABB	S3B225DW	DISCONNECT SWITCH
8	1	DELTA	LA603	LIGHTNING ARRESTER
9	1	ABB	T4150PSF1	TRANSFORMER
10	1	SSAC	PLMU-11	PHASE MONITOR
11	1	BUSSMAN	16332-3	DISTRIBUTION BLOCK
12	2	A-B	800H-QRT10Y	AMBER PILOT LIGHT PTT
13	1	A-B	800H-AR2A	PUSH BUTTON
14	2	MAGNECRAFT	W388AMLCPX-9	LATCHING RELAYS
15	1	ABB	K5VDM	MECHANICAL INTERLOCK
16	1	ABB	OXP10X225	SHAFT
17	1	ABB	QHB95J10	HANDLE
18	1	CROUSE HINDS	ECD-18	DRAIN BREATHER
19	1	TIMEMARK	261DT120	ALTERNATOR
20	2	REDINGTON	711-0190	ETM
21	1	APPLETON	REA75	REMOTE ALARM LIGHT
22				
23				
24				

Drawing Title BILL OF MATERIALS								
	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C.		ECN BY	DATE APPROVED	BY
DATE 4/20/05					BY C.RACHAL	BY	DATE	
Project Title DUPLEX PUMP CONTROL PANEL					P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER	
					Ph. (225)756-3271 Fax (225)755-1030		DRAWING NUMBER CP-2041	
							SHEET NUMBER 5	