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# COX

Research and Technology, Inc.

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## DUPLEX PUMP CONTROL PANEL PARK PLAZA

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

CP-2266

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	9.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
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		

OPTIONS:

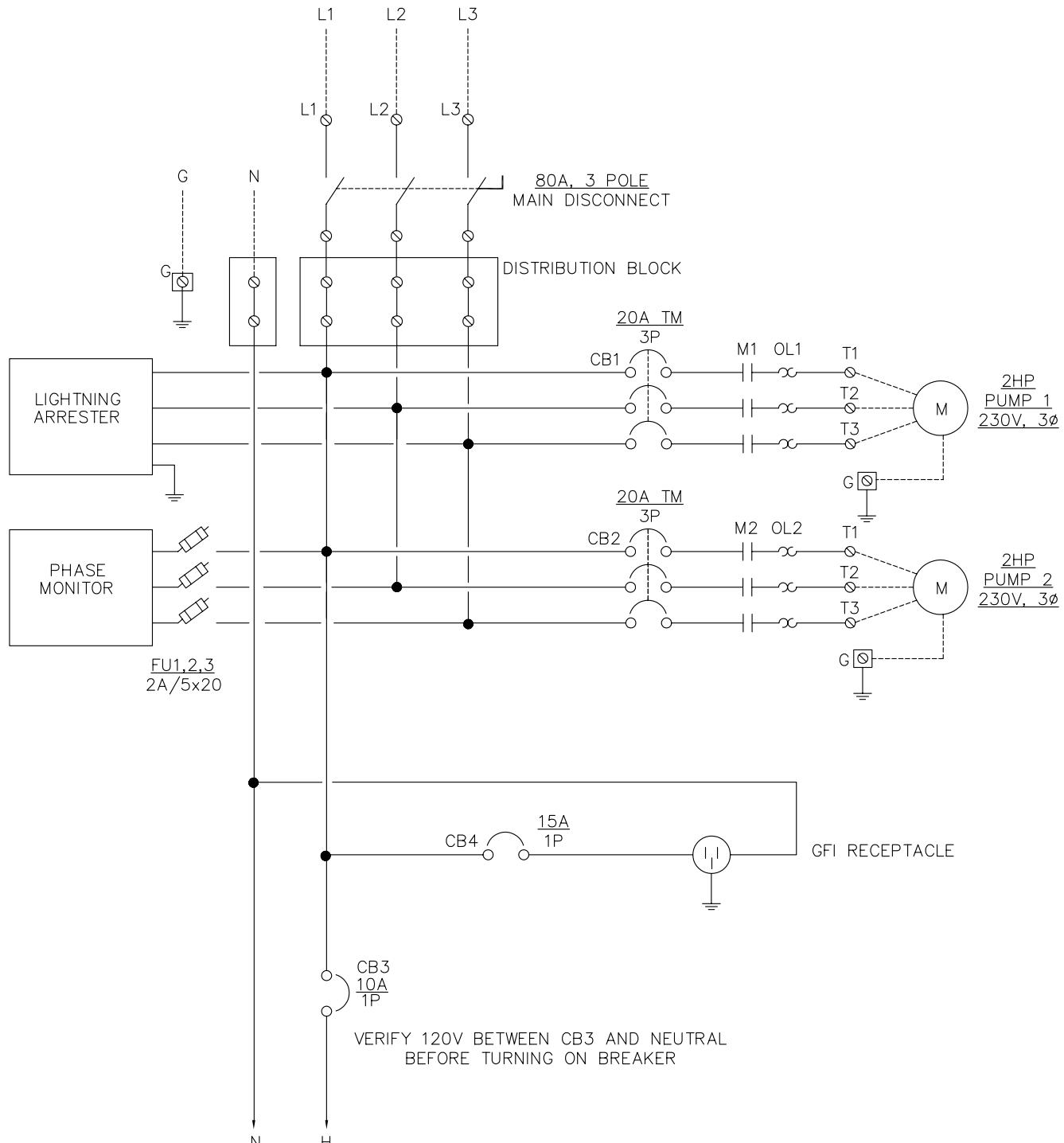
SEAL FAIL LIGHTS	X	(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	X	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER	X	
PHASE MONITOR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

SOLD TO: Delta Process - Bossier City, LA  
TAG : Park Plaza

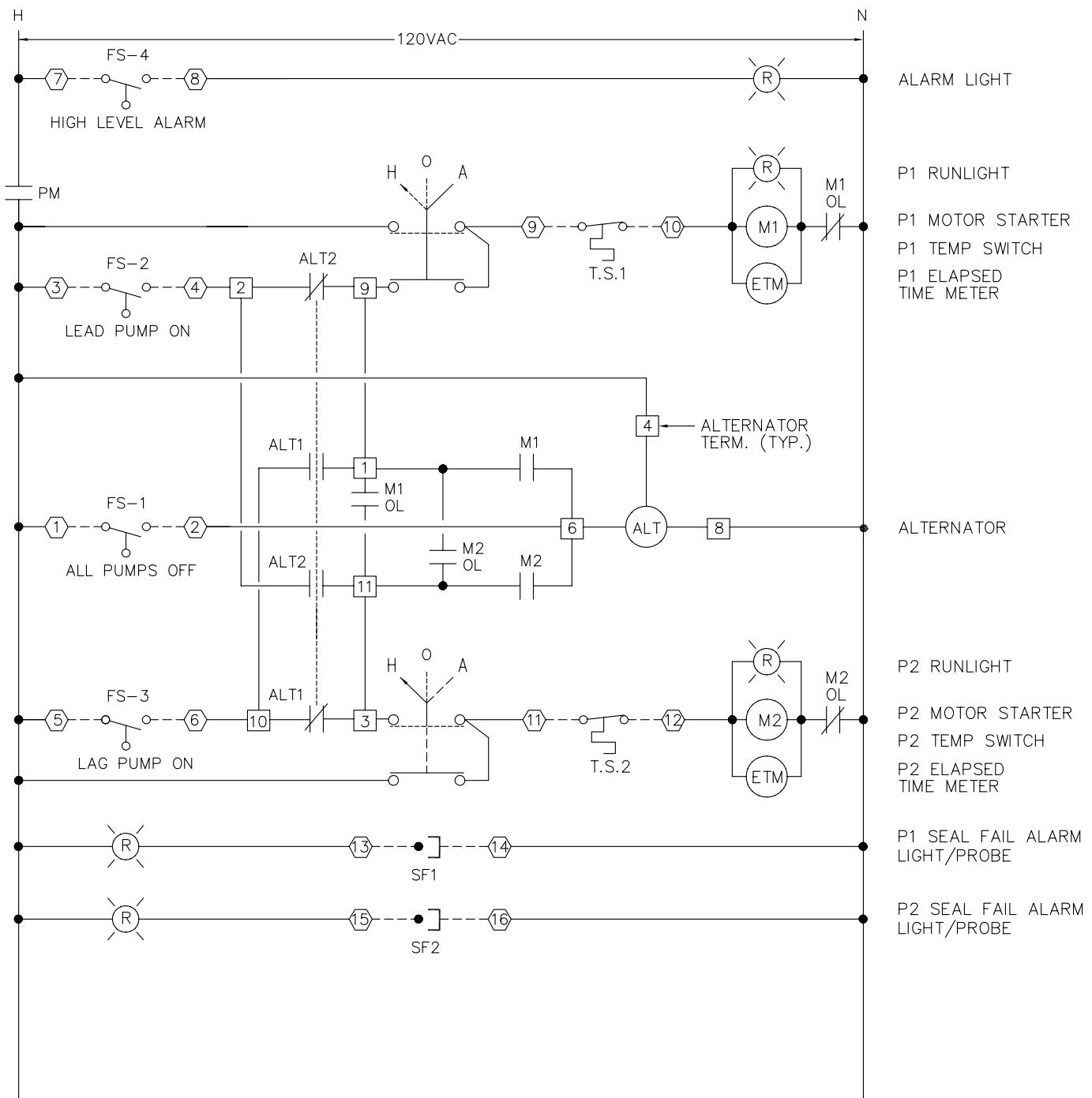
SHIP TO: Delta Process - Ruston, LA

	Drawing Title	PANEL DESCRIPTION						ECN	DATE	BY
		REFERENCE DRAWING		NO.	REVISION-LOCATION					
DATE 1/16/06	Project Title	S/N	Sales Engineer	Application Engineer	DRAWN	BY C. RACHAL	BY	DATE		
	DUPLEX PUMP CONTROL PANEL									
		<b>COX</b> 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-2266 SHEET NUMBER 1

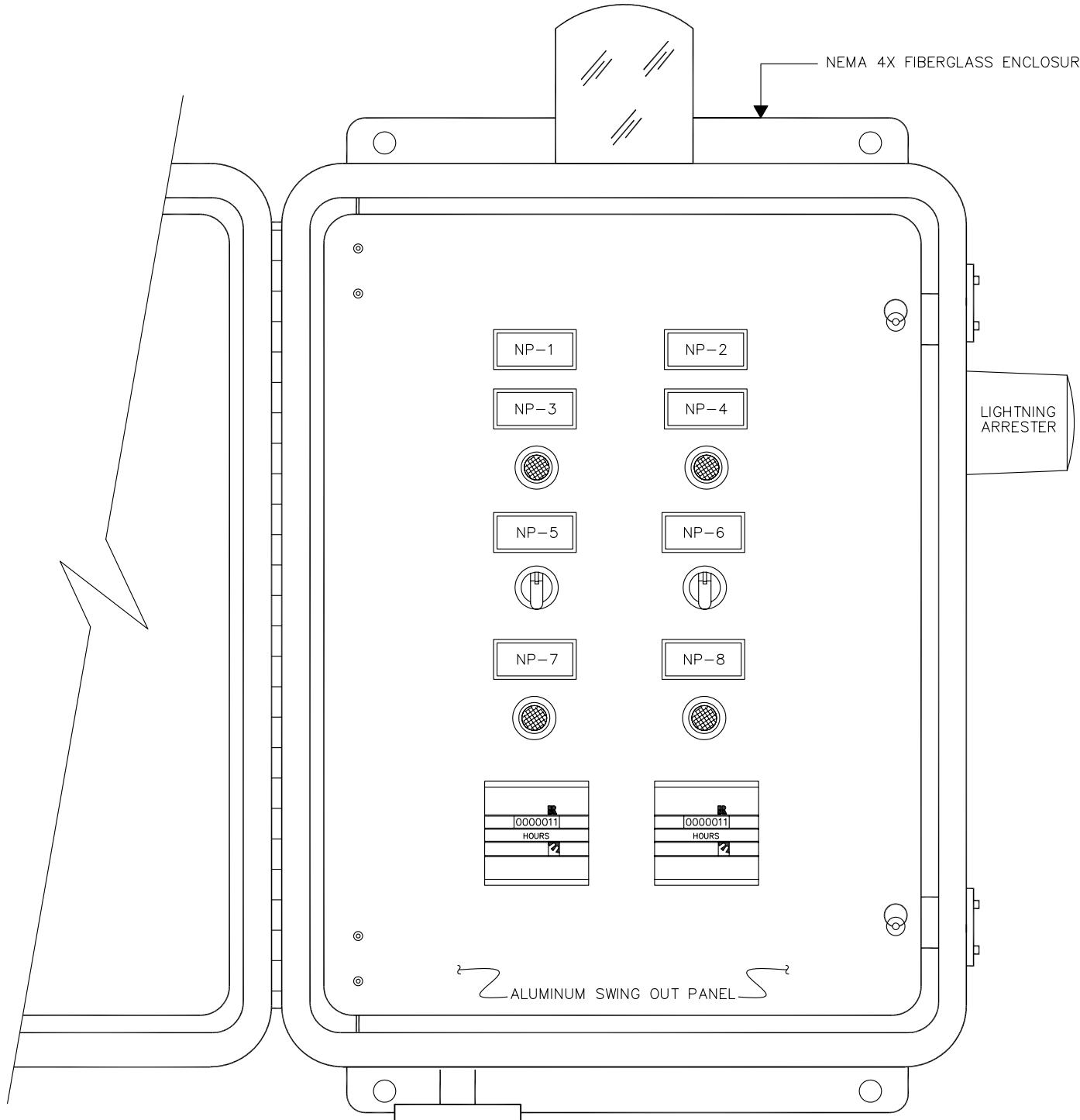
MAIN SERVICE  
120/240V, 3Ø



	Drawing Title					
	POWER DIAGRAM					
DATE 1/16/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE
Project Title						
DUPLEX PUMP CONTROL PANEL	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-2266			
			SHEET NUMBER 2			



	Drawing Title					
	CONTROL DIAGRAM					
DATE 1/16/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE
Project Title <b>DUPLEX PUMP CONTROL PANEL</b>	<b>COX</b> Research and Technology, Inc.	<b>P.O. Box 77808 Baton Rouge, LA 70809</b>	<b>PURCHASE ORDER NUMBER</b>			
			DRAWING NUMBER <b>CP-2266</b>			
			SHEET NUMBER <b>3</b>			



VIEW OF SWING OUT 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	SEAL FAIL
NP-8	SEAL FAIL

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						
DATE 1/16/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE
Project Title	<hr/> <b>COX</b> <hr/> Research and Technology, Inc. <hr/>			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-2266	SHEET NUMBER 4

# BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	DELTA	LA603	LIGHTNING ARRESTER
3	2	ABB	A16-30-10-84	MOTOR STARTER
4	2	ABB	TA25DU11	O.L. RELAY (7.5-11A)
5	2	SQUARE D	QOU320	CB1, CB2
6	1	TIMEMARK	261DT120	ALTERNATING RELAY
7	4	ACI	JR22FR	RED PILOT LIGHT
8	2	ACI	JR22P3M20B	HOA SWITCH
9	1	AC/DC	BL5-R-120	ALARM LIGHT
10	1	MARATHON	1323580	DISTRIBUTION BLOCK
11	1	MARATHON	1321580	NEUTRAL BLOCK
12	1	SSAC	PLMU11	PHASE MONITOR
13	2	REDINGTON	711-0190	ETM
14	1	SQUARE D	QOU110	CB3
15	1	SQUARE D	QOU115	CB4
16	1	STOCK		GFI RECEPTACLE
17	1	ABB	OT63E3	MAIN DISC. SWITCH
18				
19				
20				
21				
22				
23				
24				
25				

Drawing Title  BILL OF MATERIALS								
DATE 1/16/06	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.		ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY DATE
Project Title  DUPLEX PUMP CONTROL PANEL							PURCHASE ORDER NUMBER	
							DRAWING NUMBER CP-2266	
							SHEET NUMBER 5	