
COX

Research and Technology, Inc.

MOTIVA DUPLEX PUMP CONTROL PANEL

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

VOLTAGE	277/480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	2	
FLA	4.0	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF2042L	
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	S.S.	(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		

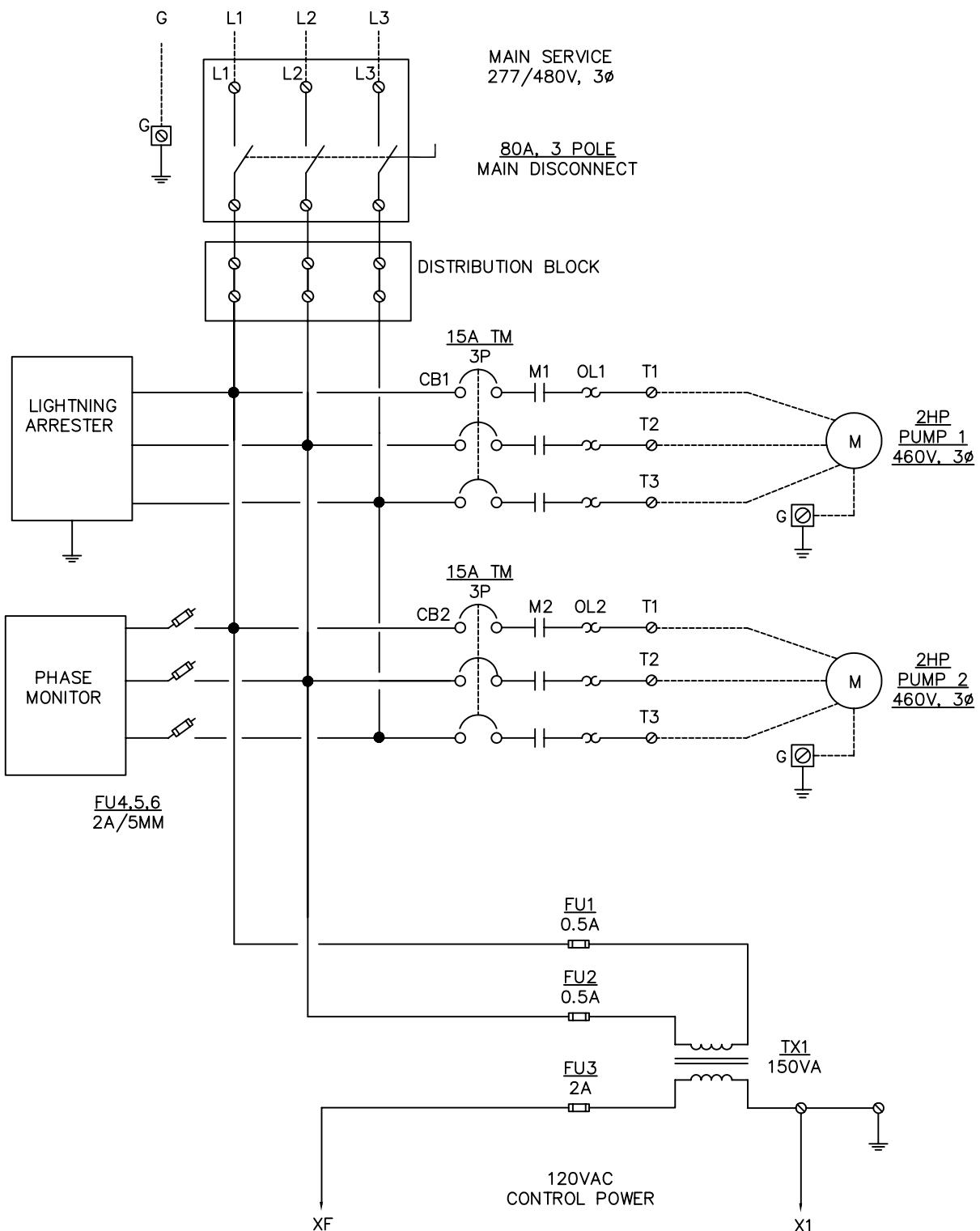
OPTIONS:

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

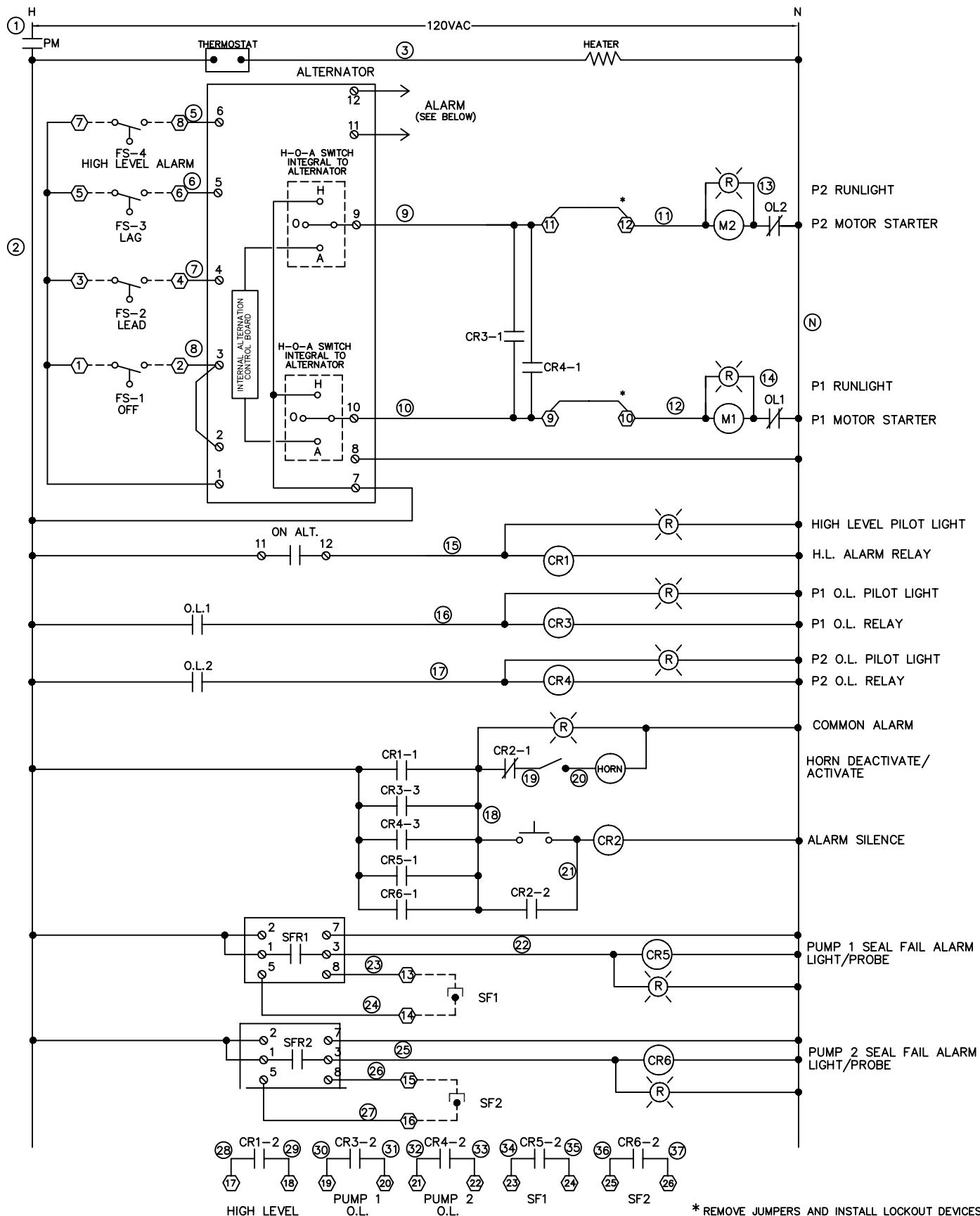
SOLD TO: Delta Process - Denham Springs, LA
TAG : MOTIVA

SHIP TO: Delta Process - Denham Springs, LA

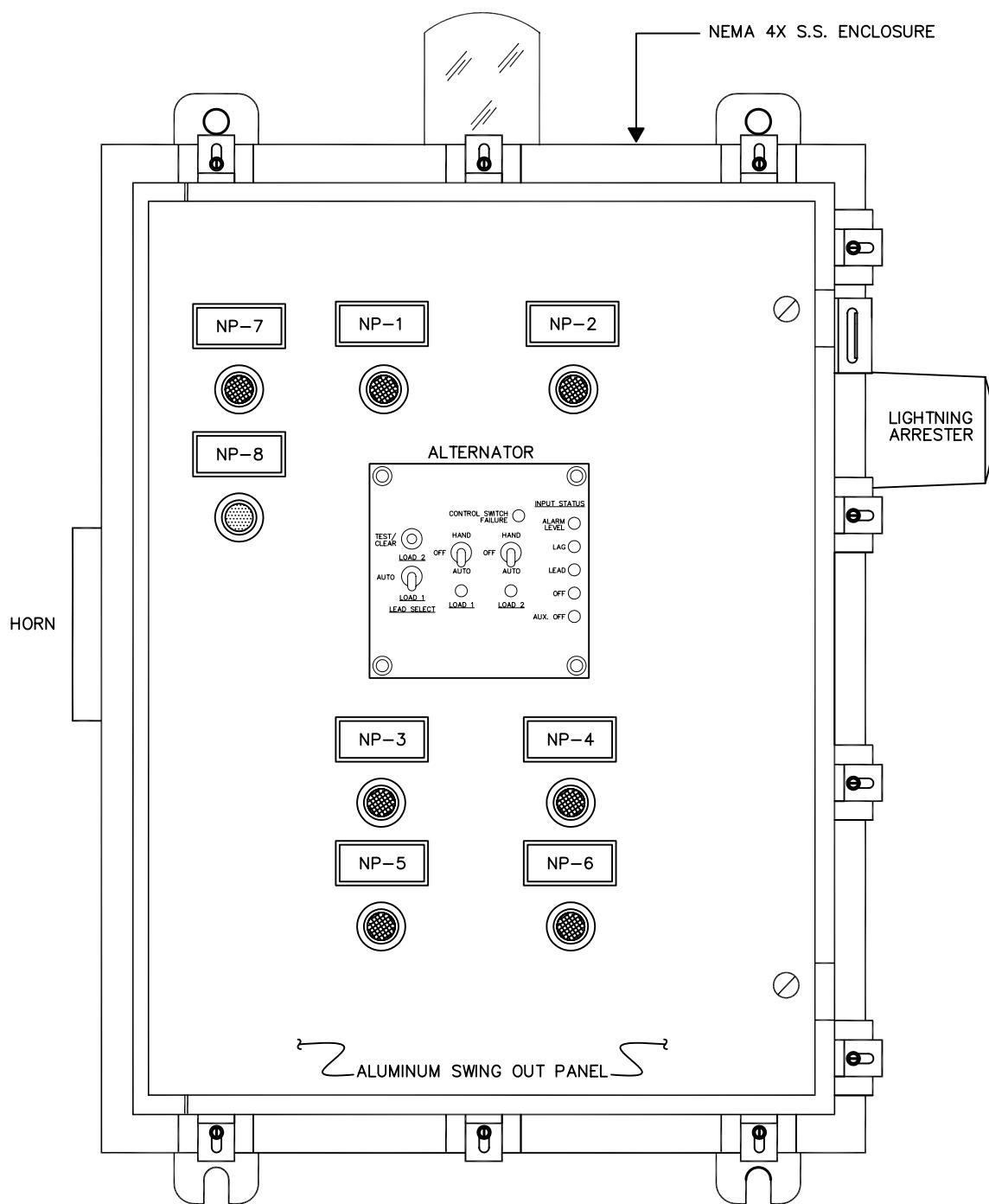
	Drawing Title PANEL DESCRIPTION DATE 1/10/06						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN	APPROVED	
				BY CTR	BY	DATE	
		Project Title		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER		
		DUPLEX PUMP CONTROL PANEL	COX Research and Technology, Inc.	Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER CP-2264	SHEET NUMBER 1	



	Drawing Title					
	POWER DIAGRAM					
DATE 1/10/06	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY
Project Title						
DUPLEX PUMP CONTROL PANEL	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-2264 SHEET NUMBER 2			



	Drawing Title				
	CONTROL DIAGRAM				
DATE 6/15/06		1	H-O-A SHOWN IN DETAIL	6/15/06	TL
	REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
	S/N	Sales Engineer	Application Engineer	DRAWN	APPROVED
		C.C.	R.C.	BY CTR	BY DATE
	Project Title		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
	DUPLEX PUMP CONTROL PANEL	COX	Ph. (225)756-3271 Fax (225)755-1030	DRAWING NUMBER	CP-2264
		Research and Technology, Inc.		SHEET NUMBER	3



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

NP-1	PUMP 1 RUN
NP-2	PUMP 2 RUN
NP-3	OVERLOAD
NP-4	OVERLOAD
NP-5	SEAL FAIL
NP-6	SEAL FAIL
NP-7	HIGH LEVEL
NP-8	ALARM SILENCE

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.	ECN DRAWN BY CTR
DATE 1/10/06				APPROVED BY DATE
Project Title DUPLEX PUMP CONTROL PANEL	COX 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 CP-2264 SHEET NUMBER 4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	C & I	I242010ST4X	ENCLOSURE
1a	1	C & I	CI-2420P	BACKPLATE
1b	1	C & I	CI-2420SPA	DEAD FRONT
2	1	DIVERSIFIED	ARM-120-AFEP	ALTERNATOR
3	1	ABB	T4150PSF1	TRANSFORMER
4	7	A-B	800H-QR10R	PILOT LIGHT RED
5	1	A-B	800H-AR2A	PUSH BUTTON
6	1	AC/DC	BL5-R-120	ALARM LIGHT
7	1	EDWARDS	870P-N5	HORN
8	6	IDECA	RU4SA110	CR1,2,3,4,5,6
9	1	MARATHON	1323580	DISTRIBUTION BLOCK
10	1	VYNCKIER	VESNC	THERMOSTAT
11	1	DAYTON	4BA54	CONDENSATION HEATER
12	1	ABB	OT63E3	DISCONNECT SWITCH
13	2	ABB	T1N015TL	CB1,2
14	2	ABB	A16N0-30-10-84	MS1,2
15	4	ABB	TA25DU5.0	O.L. (3.5-5.0A)
16	1	DELTA	LA603	LIGHTNING ARRESTER
17	1	SSAC	PLMU-11	PHASE MONITOR
18				
19				
20				
21				
22				
23				
24				

Drawing Title BILL OF MATERIALS							
	REFERENCE DRAWING S/N		NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN BY CTR		ECN	DATE APPROVED BY DATE
DATE 1/10/06							
Project Title DUPLEX PUMP CONTROL PANEL							
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