

ENVIRONMENTAL CONSTRUCTION CORP.

CWS, DIV.

LIVE OAK
SIMPLEX BLOWER/DUPLEX PUMP
CONTROL PANEL

Environmental Construction Corp.
P.O. Box 396
Pass Christian, MS 39571
(228) 255-5353 Fax (228) 255-6095

CP-1820

VOLTAGE	480V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	1/2	
HP	1/ 1/2	
FLA	2.1/1.1	
TYPE OF PUMP	Blower/Pump	(Self-Priming, Submersible)
MANUFACTURER		
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, Bubbler, Other)
CAPACITORS		(Yes, No)
CAPACITOR WIRING FIGURE		
THERM. & SEAL FAIL WIRING FIGURE		

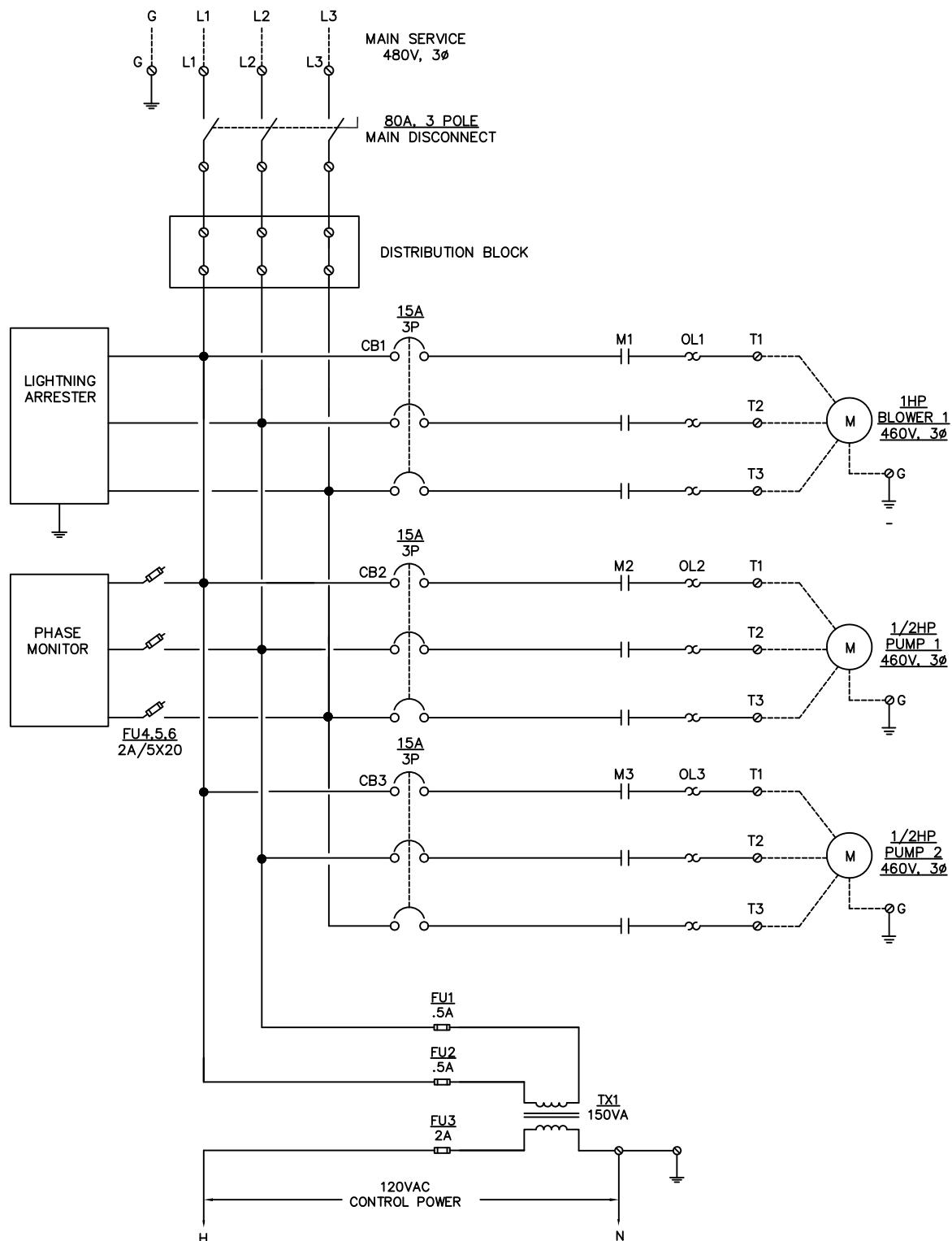
OPTIONS:

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

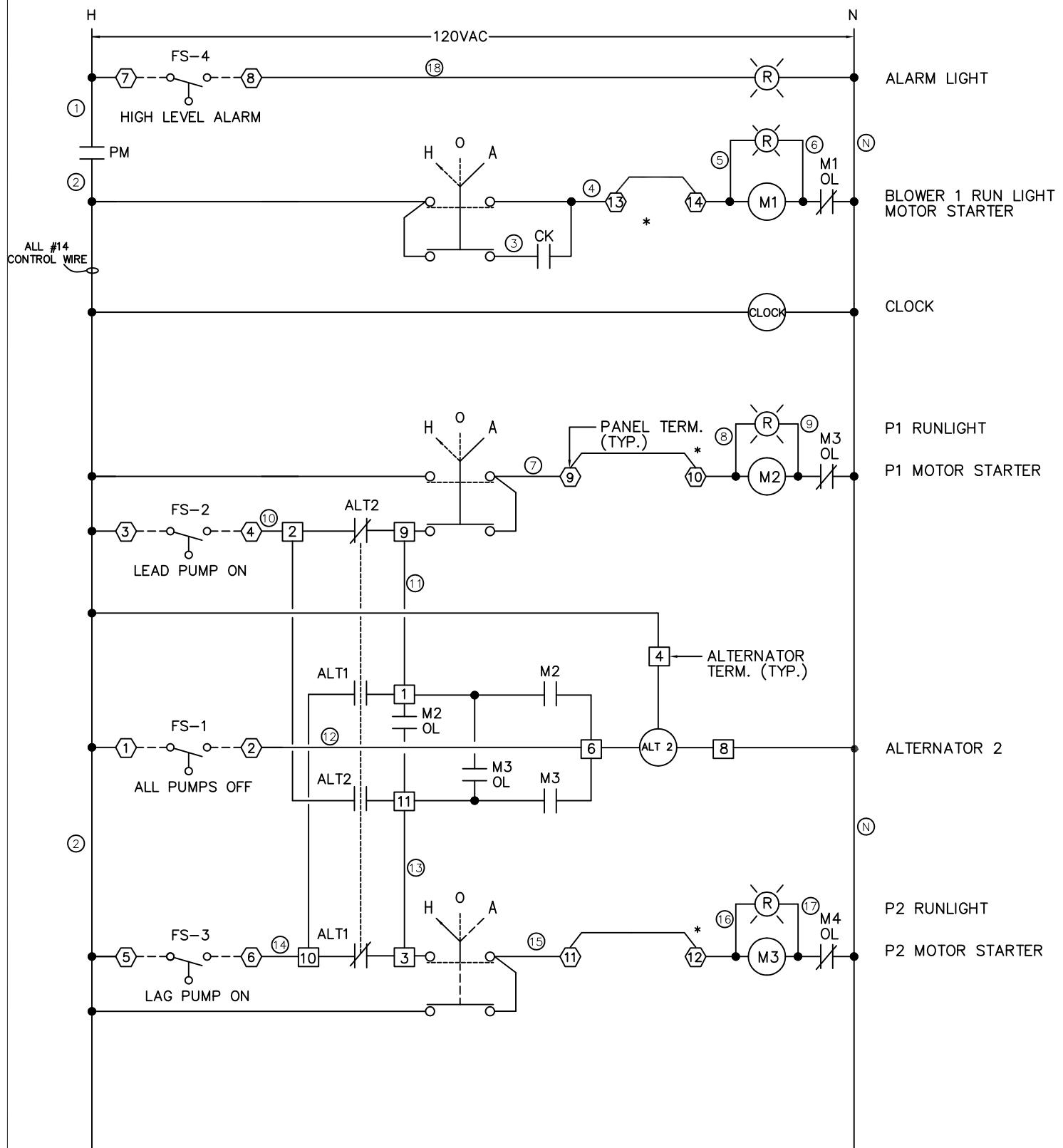
SOLD TO: Environmental Construction Corp.
 TAG : Live Oak Blower/Pump Control Panel

SHIP TO:

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY C. RACHAL	BY	APPROVED	DATE
DATE 6/03/04	Project Title SIMPLEX BLOWER/PUMP CONTROL PANEL	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095	PURCHASE ORDER NUMBER						
		DRAWING NUMBER CP-1820	SHEET NUMBER 1						

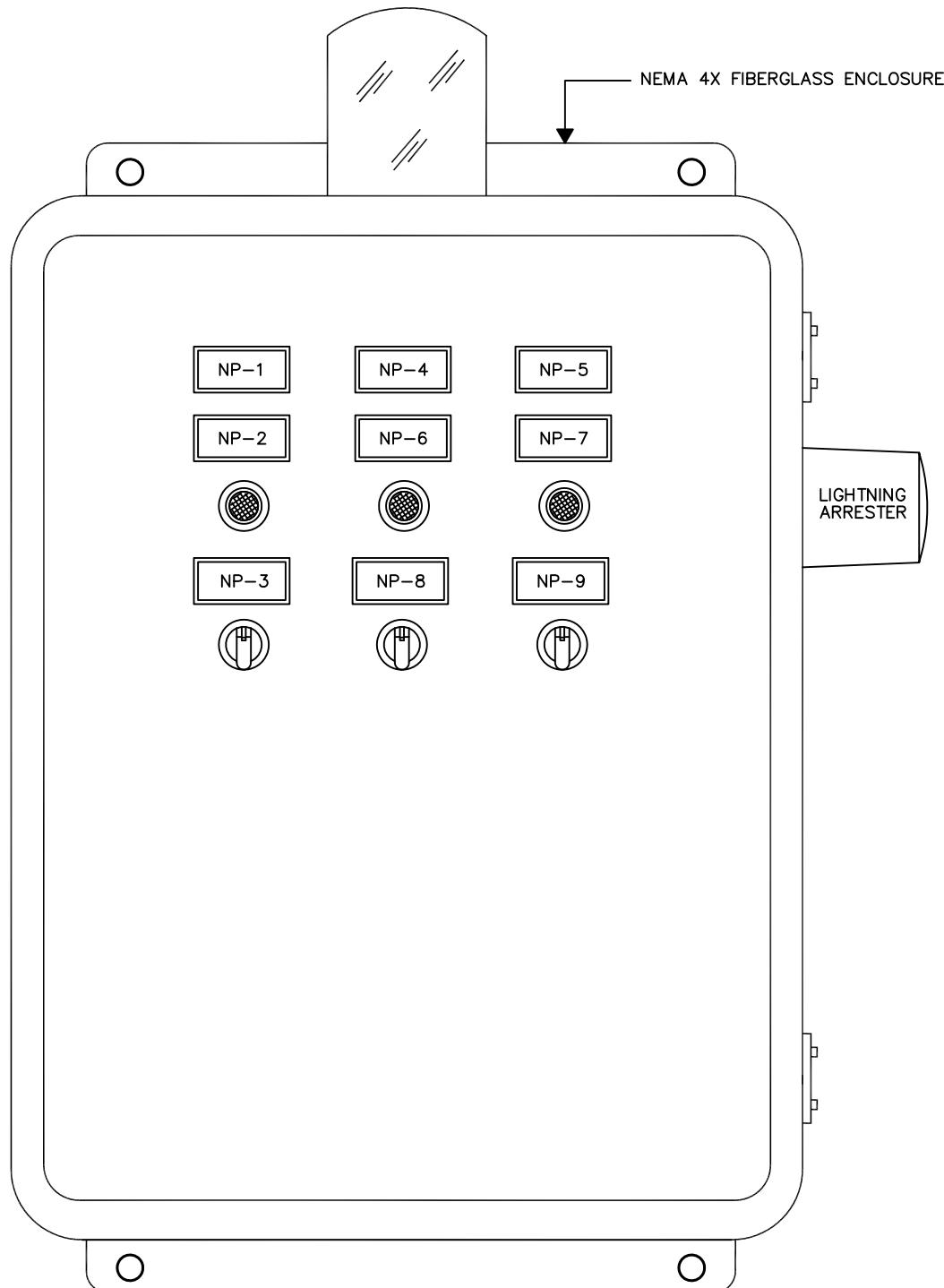


	Drawing Title POWER DIAGRAM					
DATE 6/03/04	REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY	BY
Project Title SIMPLEX BLOWER/PUMP CONTROL PANEL	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095				PURCHASE ORDER NUMBER	
					DRAWING NUMBER	CP-1820
					SHEET NUMBER	2



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title CONTROL DIAGRAM						
DATE 6/03/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION DRAWN R.C.	ECN	DATE	BY
				DRAWN BY C. RACHAL	APPROVED BY	DATE	
	Project Title SIMPLEX BLOWER/PUMP CONTROL PANEL	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095				PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-1820	
						SHEET NUMBER 3	



VIEW OF FRONT COVER

NAMEPLATE SCHEDULE

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

NP-1	BLOWER 1	NP-7	RUN
NP-2	RUN	NP-8	HOA
NP-3	HOA	NP-9	HOA
NP-4	PUMP 1		
NP-5	PUMP 2		
NP-6	RUN		

	Drawing Title ENCLOSURE					
DATE 6/03/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN R.C. BY C. RACHAL	ECN BY	DATE APPROVED BY	BY DATE
	Project Title SIMPLEX BLOWER/PUMP CONTROL PANEL	Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095			PURCHASE ORDER NUMBER DRAWING NUMBER CP-1820 SHEET NUMBER 4	

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ALLIED	AM30240RL	ENCLOSURE
2	1	ALLIED	A3024P	BACKPLATE
3	3	ABB	A16-30-10-84	STARTER
4	1	ABB	TA25DU2.4	O.L. 1 (1.7-2.4A)
5	2	ABB	TA25DU1.4	O.L. 2,3 (1.0-1.4A)
6	3	ABB	S1N015TL	CIRCUIT BREAKER 1,2,3
7	1	ABB	OT63E3	DISCONNECT SWITCH
8	1	TIMEMARK	261DT120	ALTERNATING RELAY
9	1	INTERMATIC	T1975	TIMER
10	3	ACI	JR22FR	RED PILOT LIGHT
11	3	ACI	JR22P3M20B	H.O.A. SWITCH
12	1	SQUARE D	9070TF150D1	TRANSFORMER
13	1	DELTA	LA603	LIGHTNING ARRESTER
14	1	SSAC	PLMU-11	PHASE MONITOR
15	1	MARATHON	1323580	DISTRIBUTION BLOCK
16	1	AC/DC	BL5-R-120	ALARM LIGHT

	Drawing Title						
	BILL OF MATERIALS						
	REFERENCE DRAWING S/N		NO. C.C.	REVISION-LOCATION DRAWN R.C. BY C. RACHAL	ECN BY	DATE APPROVED BY	BY DATE
DATE 6/03/04	Project Title		Environmental Construction Corp. P.O. Box 396 Pass Christian, MS 39571 (228) 255-5353 Fax (228) 255-6095			PURCHASE ORDER NUMBER	
	SIMPLEX BLOWER/PUMP CONTROL PANEL					DRAWING NUMBER CP-1820	
						SHEET NUMBER 5	