



Delta Process Equipment, Inc.

SGVF(H)2022L
CONTROL PANEL

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	1	
HP	2	
FLA	15	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF(H)2022L	
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	Yes	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

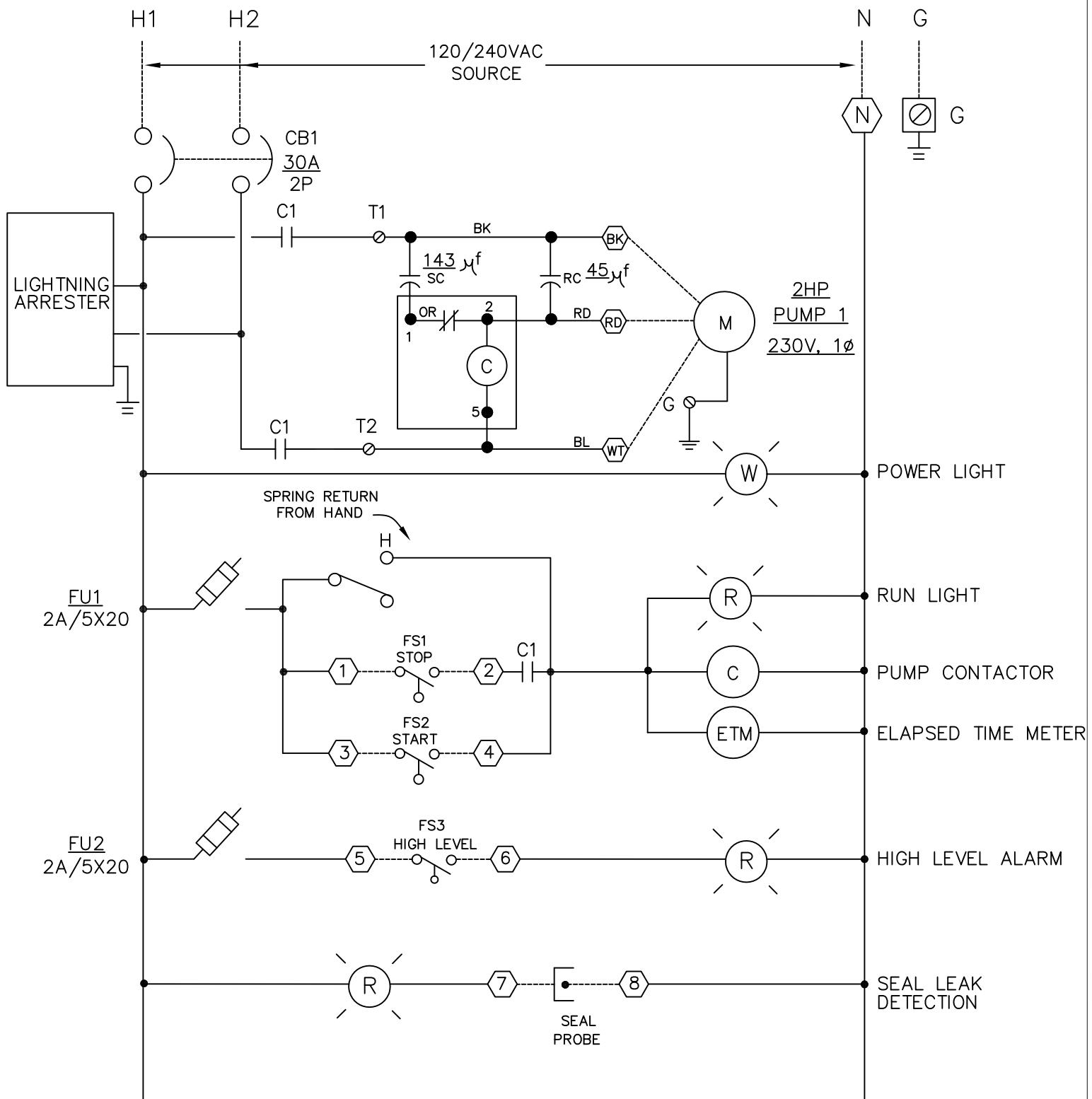
OPTIONS:

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

SOLD TO: Delta Process
TAG : _____

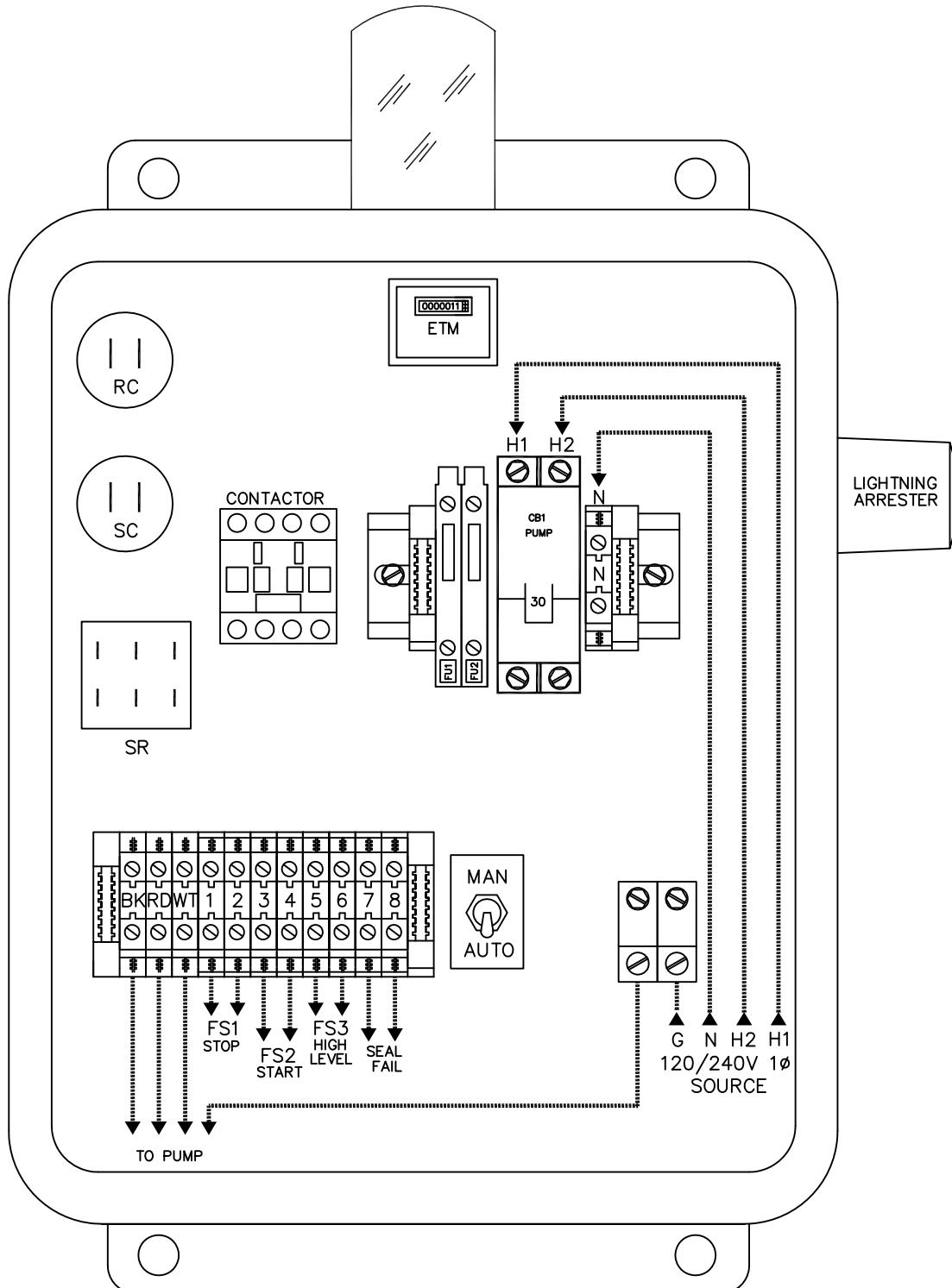
SHIP TO: Delta Process

	Drawing Title PANEL DESCRIPTION					
DATE 7/21/04	REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE BY
	S/N	Sales Engineer	Application Engineer	DRAWN R.C. BY C. RACHAL	APPROVED BY	DATE
	Project Title SGVF(H)2022L CONTROL PANEL		Delta Process Equipment, Inc.			PURCHASE ORDER NUMBER
						DRAWING NUMBER CP-1857
						SHEET NUMBER 1



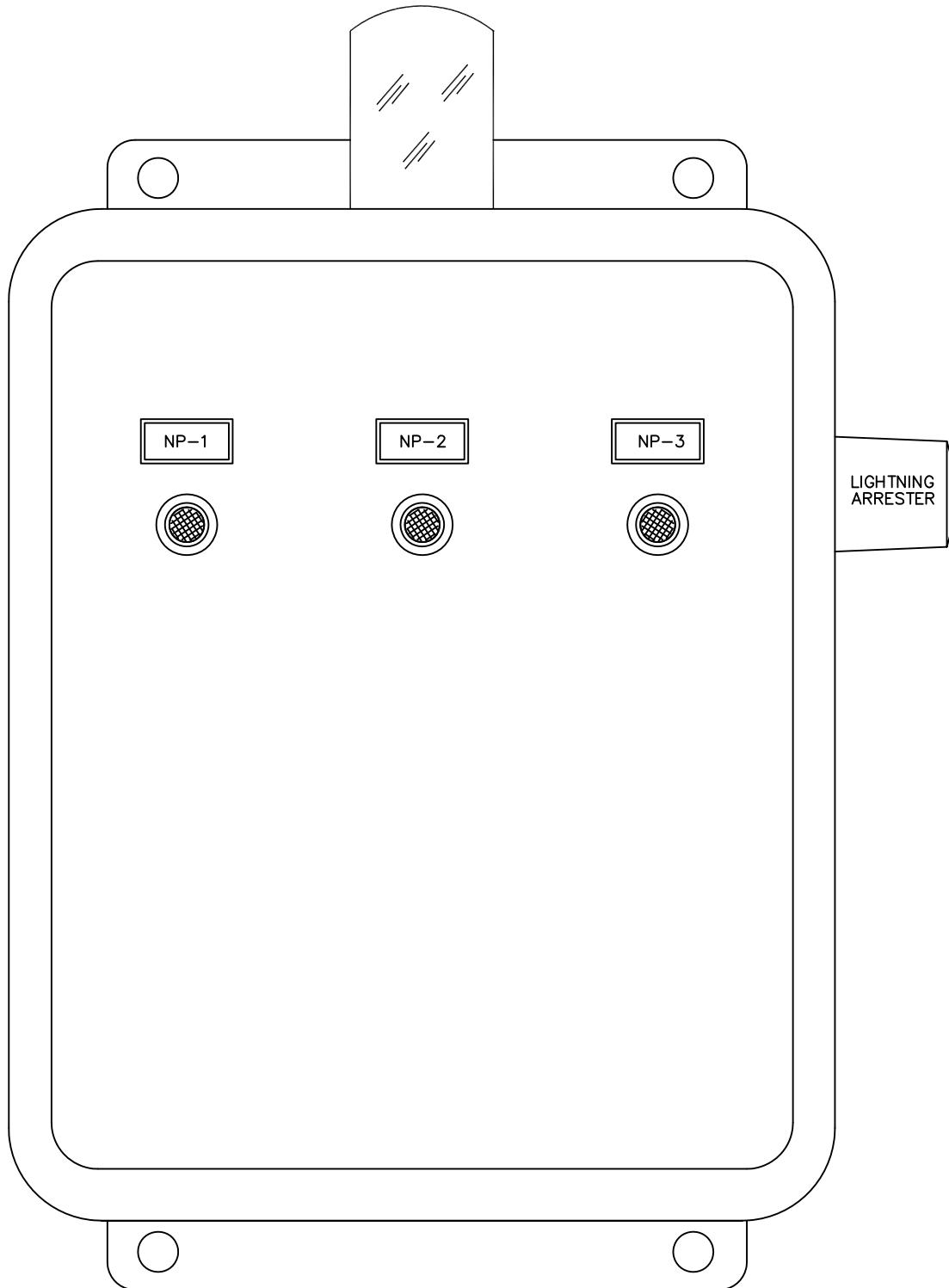
PUMP INTERNAL THERMAL OVERLOAD IS REQUIRED

	Drawing Title POWER DIAGRAM						
3/23/04		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
7/21/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED	BY DATE
	Project Title				PURCHASE ORDER NUMBER		
	SGVF(H)2022L CONTROL PANEL	D	Delta Process Equipment, Inc.		DRAWING NUMBER	CP-1857	
					SHEET NUMBER		2



FS1 – ON-OFF WIDE ANGLE FLOAT SWITCH
 FS2 – HIGH LEVEL FLOAT SWITCH

	Drawing Title						
	EXTERNAL CONECTIONS						
3/23/04 7/21/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN	DATE	BY	
	Sales Engineer	Application Engineer R.C.					APPROVED BY DATE
	Project Title OGVF2022 CONTROL PANEL	Delta Process Equipment, Inc.				PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-1857	
						SHEET NUMBER	3



NAMEPLATE SCHEDULE

NP-1	POWER
NP-2	RUN
NP-3	SEAL FAIL

	Drawing Title EXTERNAL CONNECTIONS					
3/23/04 7/21/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	
	Project Title OGVF2022 CONTROL PANEL		 Delta Process Equipment, Inc.		PURCHASE ORDER NUMBER DRAWING NUMBER CP-1857 SHEET NUMBER 4	

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1210HWPL	ENCLOSURE
1a	1	VYNCKIER	MP1210A	BACKPLATE
2	1	ABB	A16-30-10-84	CONTACTOR
3	1	SQUARE D	QOU230	CB1
4	2	WIELAND	57.904.5355.0	FUSE HOLDER
5	1	INGRAM	MX-15	ALARM LIGHT
6	11	WEIDMULLER	WDU	TERMINAL BLOCKS
7	1	EZ SWITCH	STOCK	TOGGLE SWITCH
8	1	GE	6X559	START RELAY
9	1	MALORY	4X658	START CAPACITOR (145-174 μ f)
10	1	GE	6X660	RUN CAPACITOR (20 μ f)
11	1	GRASSLIN	UWZ-52E	ETM
12	1	DELTA	LA302	LIGHTNING ARRESTER μ f
13	3	ACI	JR22F	LIGHTS
14				

	Drawing Title						
	BILL OF MATERIALS						
DATE 7/21/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION DRAWN BY C. RACHAL	ECN BY	DATE APPROVED BY DATE		
	Project Title		PURCHASE ORDER NUMBER				
	SGVF(H)2022L CONTROL PANEL		DRAWING NUMBER CP-1857				
			SHEET NUMBER 5				