



Delta Process Equipment, Inc.

MUCK PIT  
SIMPLEX  
CONTROL PANEL  
FOR  
U.S. FILTER  
SEWAGE AND WATER  
BOARD OF NEW ORLEANS  
EAST BANK TREATMENT PLANT

Delta Process Equipment, Inc.  
3017 21st St., Ste. 209, Metairie, LA 70002  
(504) 833-7867 Fax (504) 833-1755


VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>1</u>	
HP	<u>7.5</u>	
FLA	<u>11</u>	
TYPE OF PUMP	<u>Self Priming</u>	(Self-Priming, Submersible)
MANUFACTURER	<u>Vaughn</u>	
CATALOG NUMBER	<u></u>	

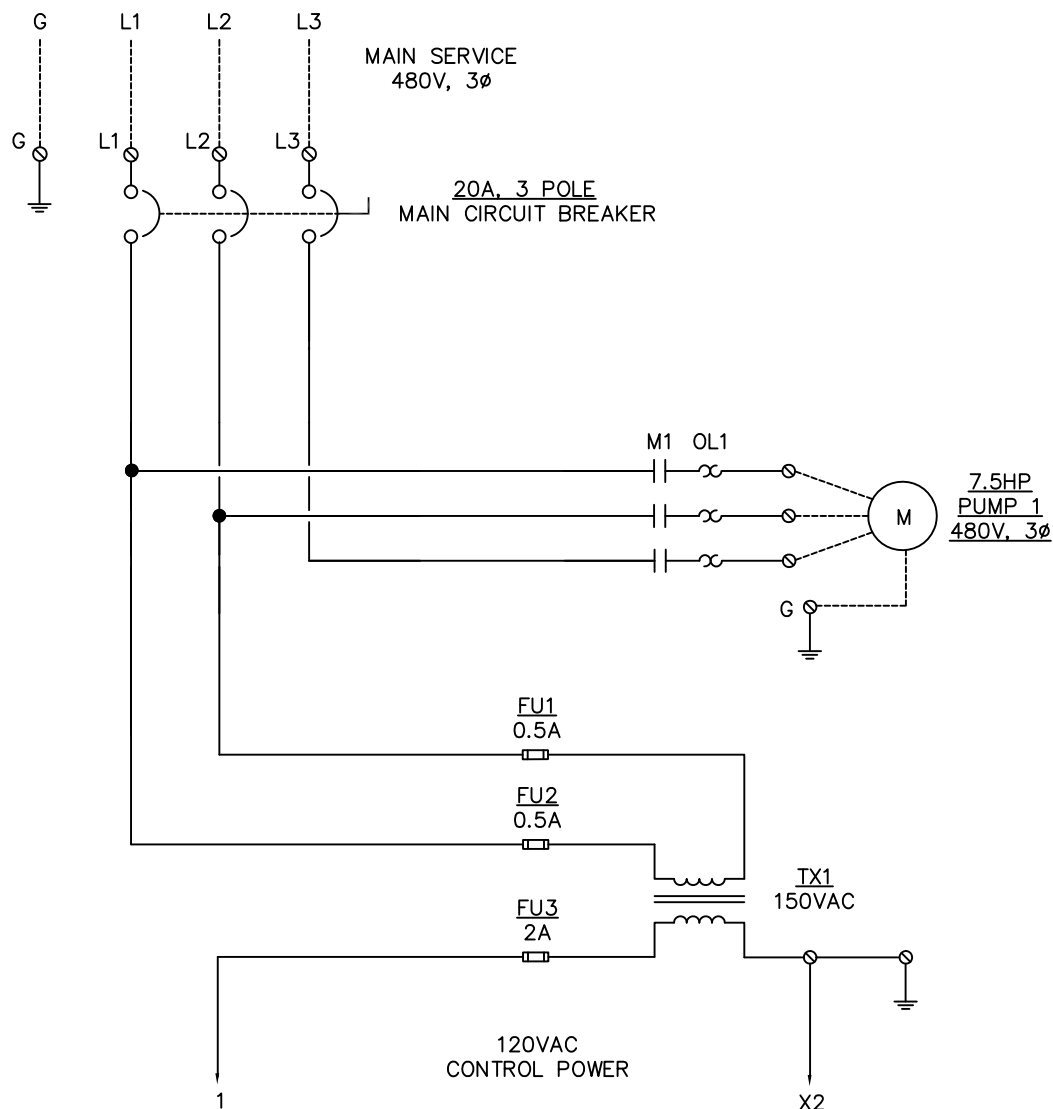
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 4X</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>Stainless Steel</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<u>Start/Stop</u>	(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
THERM. & SEAL FAIL WIRING FIGURE	<u></u>	


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

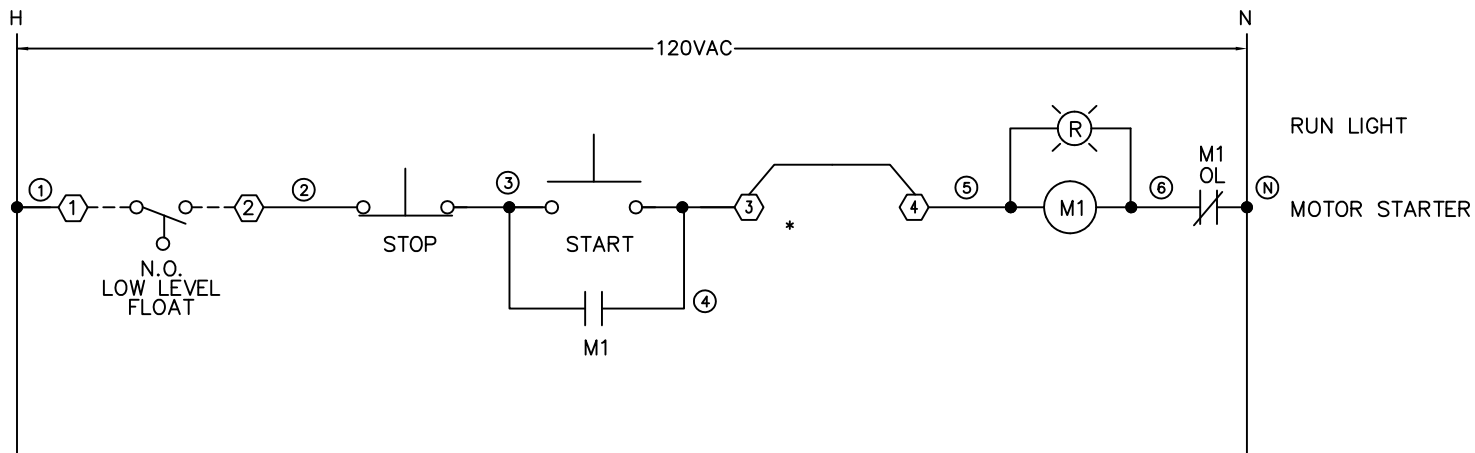
SOLD TO: DELTA PROCESS EQUIPMENT, INC.  
TAG : U.S. FILTER SEWAGE & WATER BOARD OF N.O.  
EAST BANK TREATMENT PLANT

SHIP TO: DELTA PROCESS EQUIPMENT, INC.

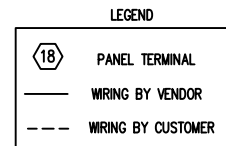
	Drawing Title						
	PANEL DESCRIPTION						
DATE 12/02/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE
	Project Title	 Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755				PURCHASE ORDER NUMBER	
	SIMPLEX PUMP CONTROL PANEL					DRAWING NUMBER CP-1703	
						SHEET NUMBER 1	



	Drawing Title							
	POWER DIAGRAM							
DATE 12/02/03		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY	
		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED		
	Project Title					PURCHASE ORDER NUMBER		
	SIMPLEX PUMP CONTROL PANEL	 Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755				DRAWING NUMBER CP-1703		
						SHEET NUMBER		2



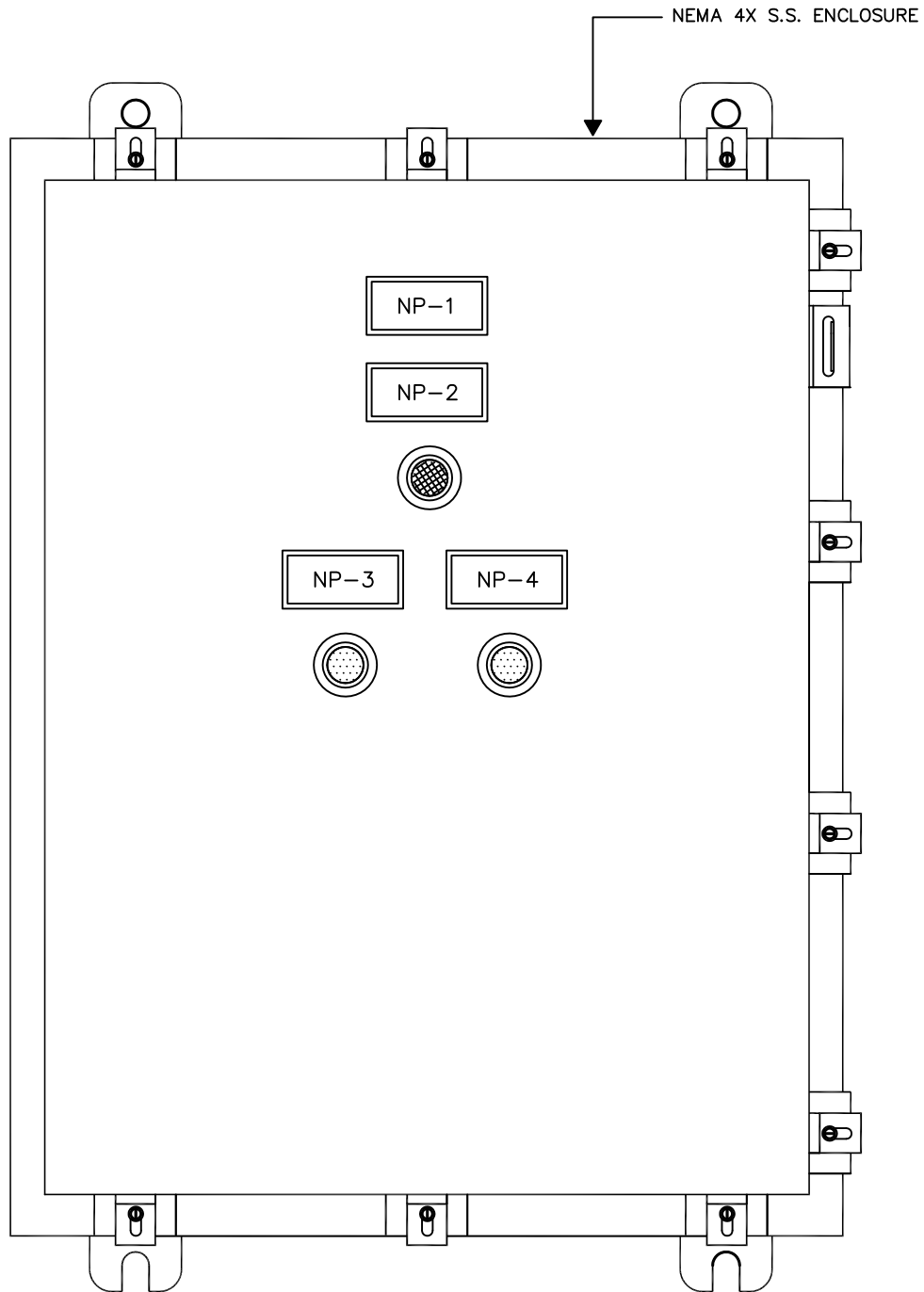
\* REMOVE JUMPER & INSTALL  
LOCKOUT DEVICES IF REQUIRED



	Drawing Title								
	CONTROL DIAGRAM								
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY		
12/02/03		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE		
	Project Title							PURCHASE ORDER NUMBER	
	SIMPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1703	
								SHEET NUMBER	3



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VIEW OF FRONT OF ENCLOSURE

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

NAMEPLATE SCHEDULE

NP-1 PUMP  
NP-2 RUN  
NP-3 STOP  
NP-4 START


	Drawing Title    ENCLOSURE									
DATE 12/02/03			REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
			S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED		
						BY C. RACHAL		BY	DATE	
	Project Title		<div><div>D</div><div>Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755</div></div>					PURCHASE ORDER NUMBER		
	SIMPLEX PUMP CONTROL PANEL							DRAWING NUMBER CP-1703		
								SHEET NUMBER		
								4		

## BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S20160N4X	ENCLOSURE
2	1	EBE	A2016P	BACKPLATE
3	1	SQUARE D	8536SC03V02	STARTER
4	1	SQUARE D	B19.5	HEATER
5	3	ABB	S1N020TL	CIRCUIT BREAKER 1
6	1	SQUARE D	TF150D1	CONTROL TRANSFORMER
7	2	AB	800H-AR2A	PUSH BUTTON
8	1	AB	800H-QR10R	RED LIGHT
9				
10				
11				
12				
13				
14				
15				
16				
17				

\* ALSO SUPPLY O.L. FOR 5HP(7.6A) B12.8

THIS CONTROL PANEL IS SUPPLIED WITH OVERLOAD HEATERS FOR 5HP AND 7 1/2HP PUMPS. THE HEATERS FOR THE 5HP PUMP (B12.8) ARE FACTORY INSTALLED. IF THE PUMP IS CHANGED TO 7 1/2HP, THE HEATERS MUST BE CHANGED TO THE B19.5 (SUPPLIED) HEATERS.

	Drawing Title							
	BILL OF MATERIALS							
DATE 12/02/03		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE	BY
	Project Title	 <p>Delta Process Equipment, Inc. 3017 21st St., Ste. 209, Metairie, LA 70002 (504) 833-7867 Fax (504) 833-1755</p>					PURCHASE ORDER NUMBER	
	SIMPLEX PUMP CONTROL PANEL						DRAWING NUMBER CP-1703	
							SHEET NUMBER 5	