

*United Industries, Inc.
Baton Rouge, Inc.*

SLUDGE AGE CONTROLLERS
CONTROL PANEL

AS BUILTS

VOLTAGE	<u>277/480V</u>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<u>3/60</u>	
NO. MOTORS	<u>6</u>	
HP		
FLA		
TYPE OF PUMP		(Self-Priming, Submersible)
MANUFACTURER		
CATALOG NUMBER		
CONTROL VOLTAGE	<u>120V</u>	(120V, Other)
ENCLOSURE	<u>NEMA 12</u>	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<u>PS</u>	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR		(Floats, Bubbler, Other)
CAPACITORS	<u>No</u>	(Yes, No)
CAPACITOR WIRING FIGURE	<u>N/A</u>	
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		
LIGHT PANEL MTD		
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	<u>X</u>	
ELAPSED TIME METER		
PHASE MONITOR	<u>X</u>	
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: United Industries
TAG : _____

SHIP TO: Lake Charles WWTP Plant D

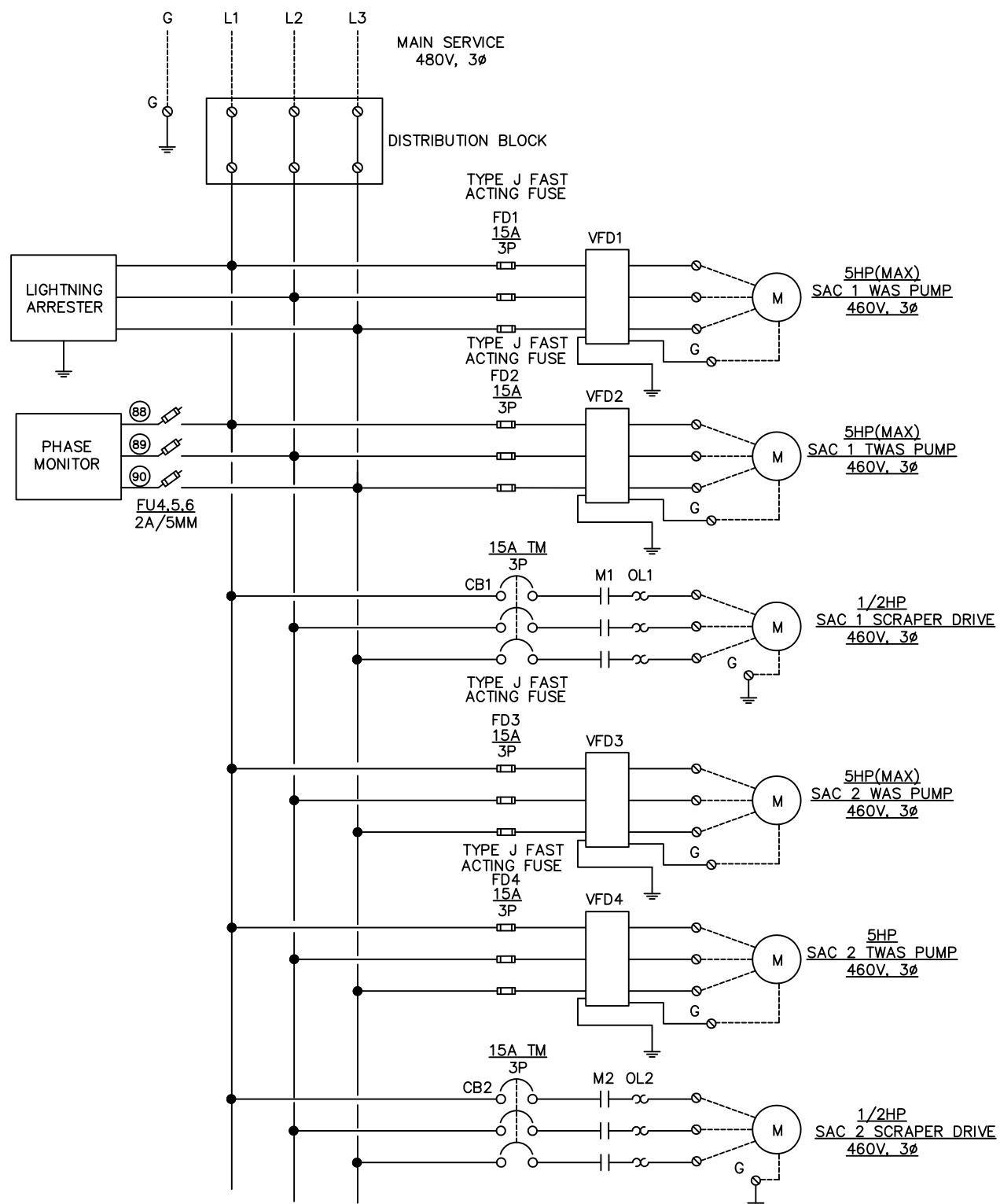
CP-1649

United Industries, Inc.
Innovative Water And Wastewater Technologies



DATE	REVISION	BY	DESIGNED: DESIGN
			DRAWN : C.RACHAL
			CHECKED : CHECK
			APPROVED: APPROVE
			DATE 9/08/03
			SCALE
			N.T.S.
			JOB NO.
			DWG NO.
			SAC 1

SAC CONTROL PANEL
TITLE
CITY OF LAKE CHARLES
WWTP D
PROJECT

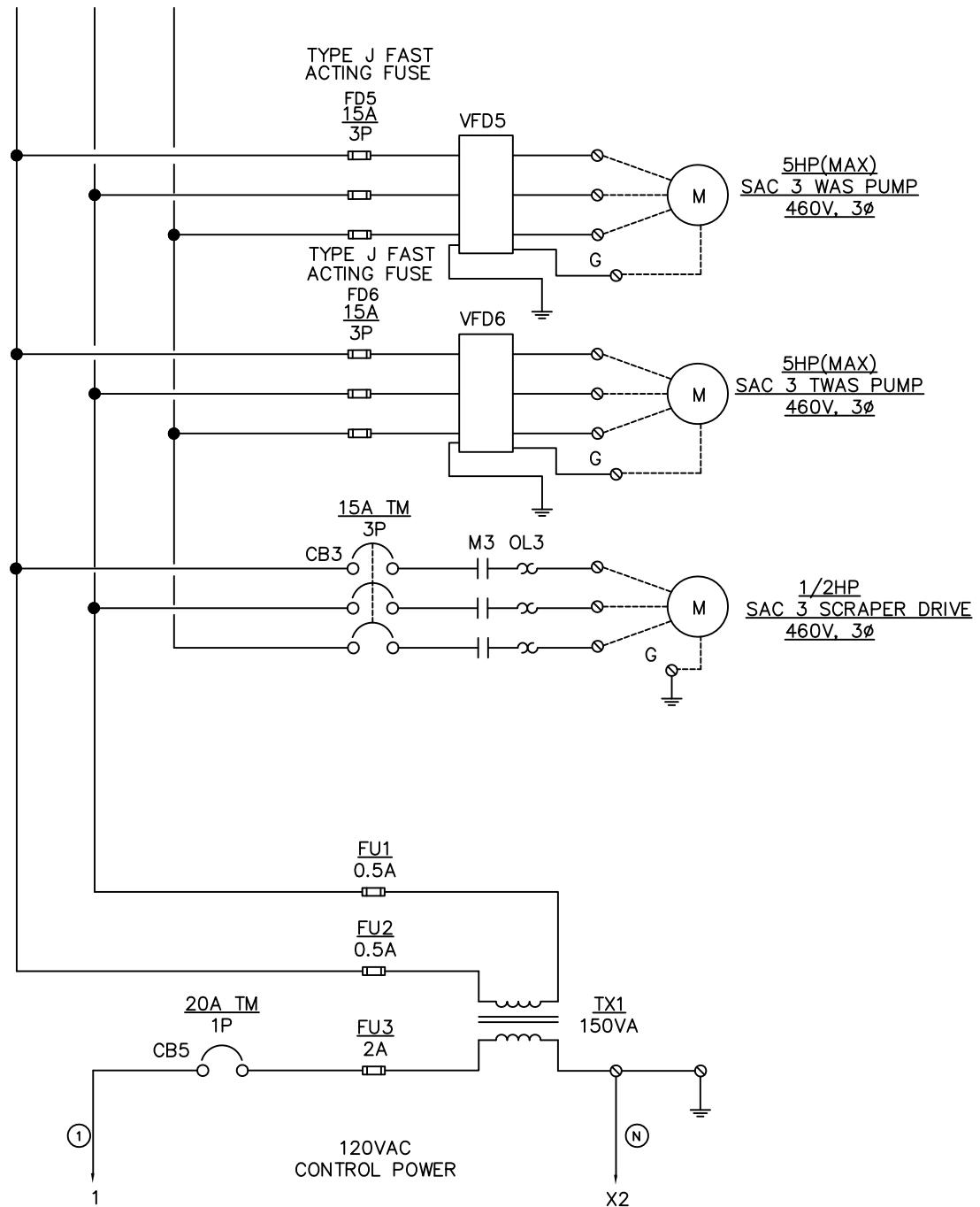


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CITY OF LAKE CHARLES WWTP D PROJECT			JOB NO.
			DWG NO. SAC 2

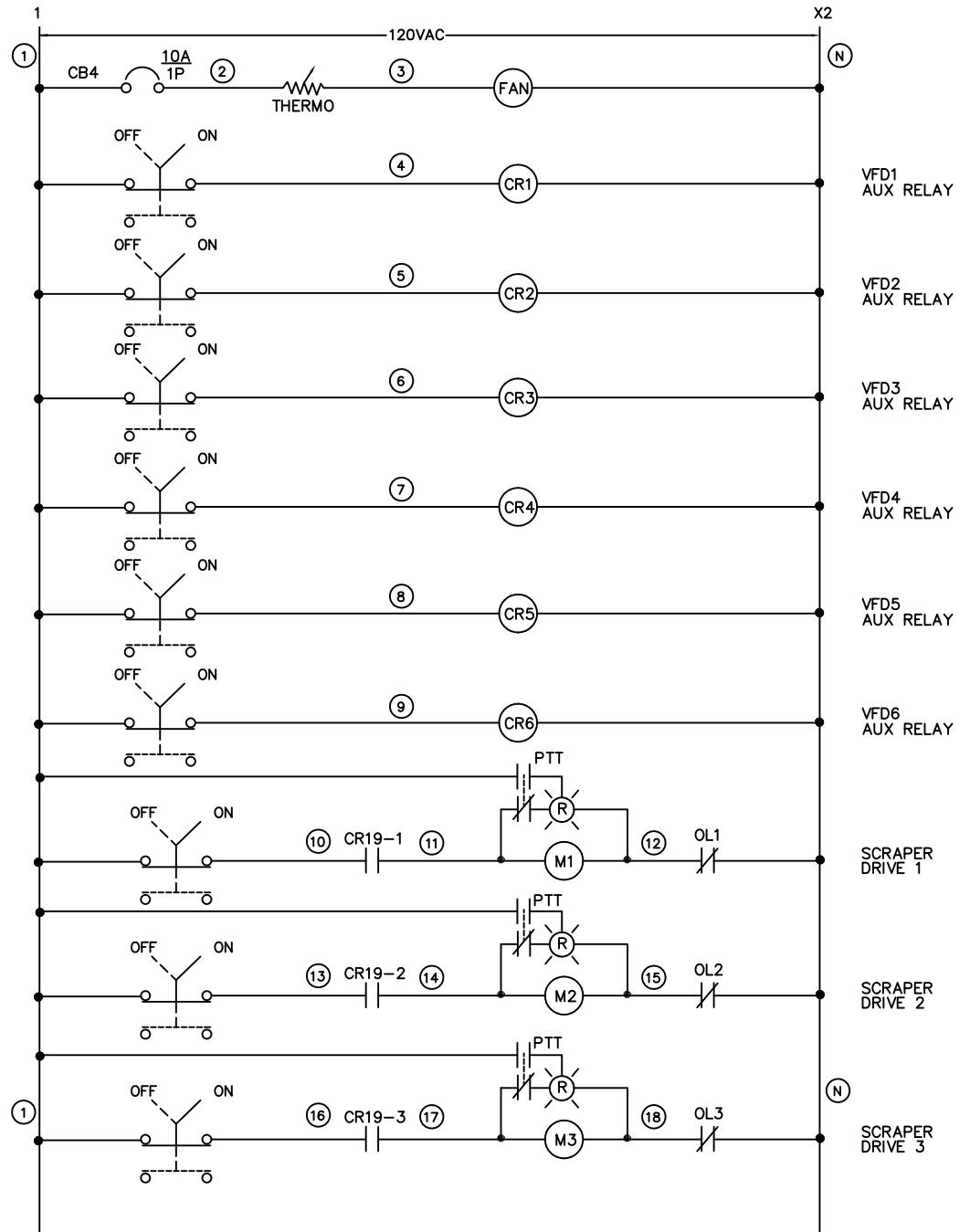


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JOB NO.				
DWG NO.				
SAC 3				

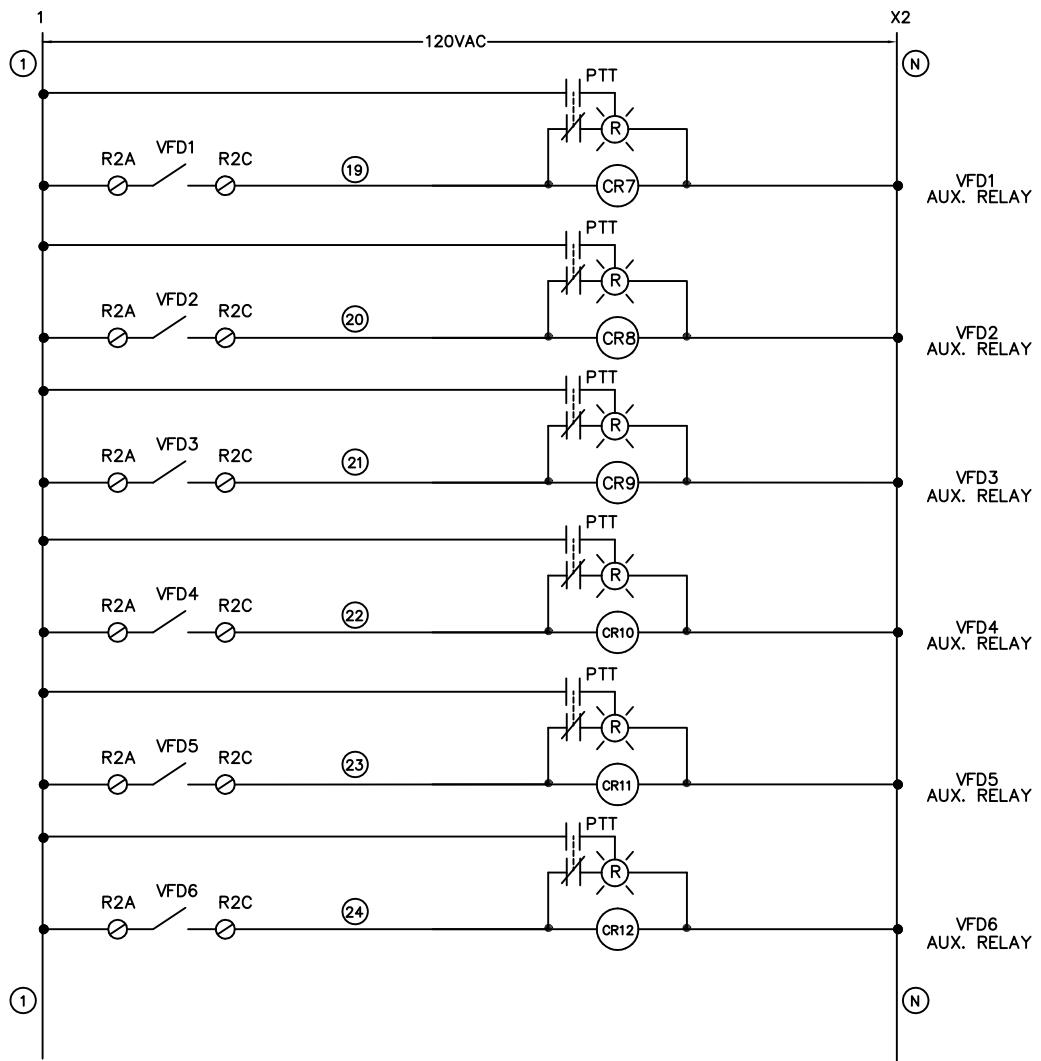


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		WWTP D		
PROJECT			DWG NO.	
				SAC 4

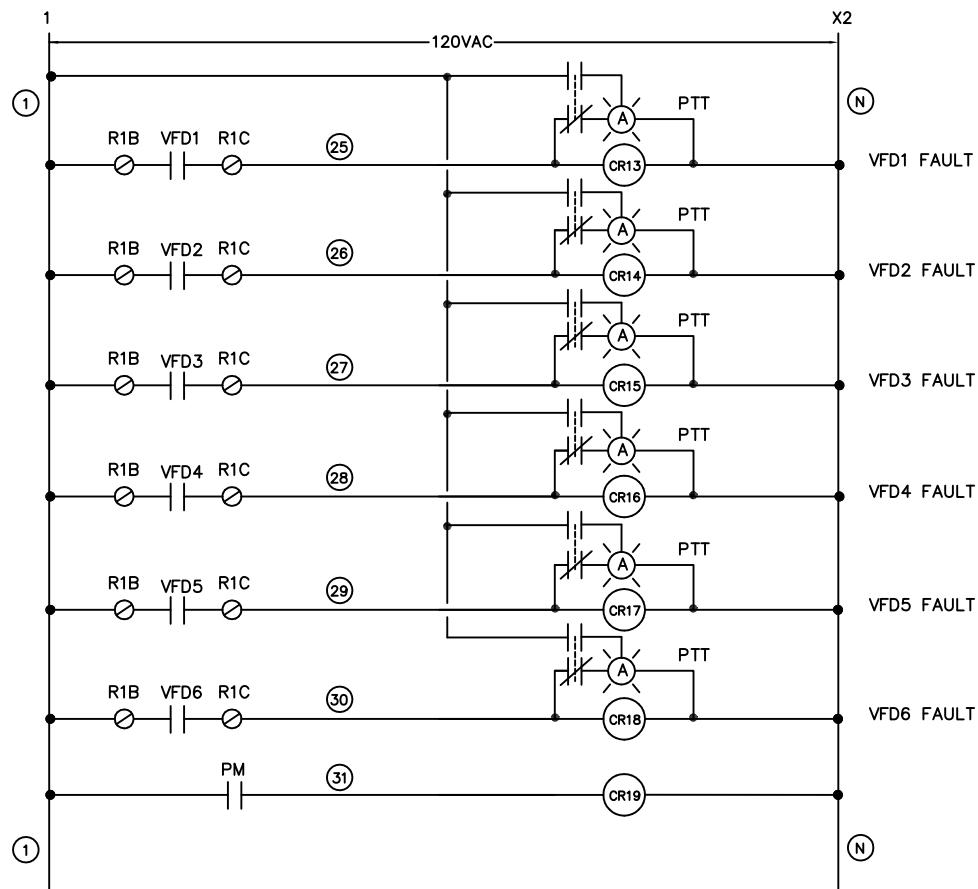


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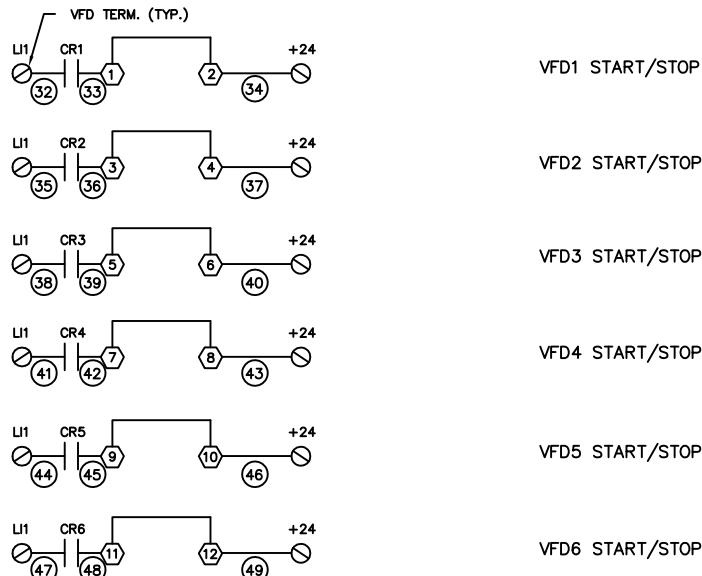
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FACTORY SETTINGS	
bFr	Base Freq. 60 Hz
LSP	Low Speed 12 Hz
lTH	Mtr. Amps 7.5
OPL	Phase Fail Yes
FLr	Restart Yes
Atr	Auto Restart Yes

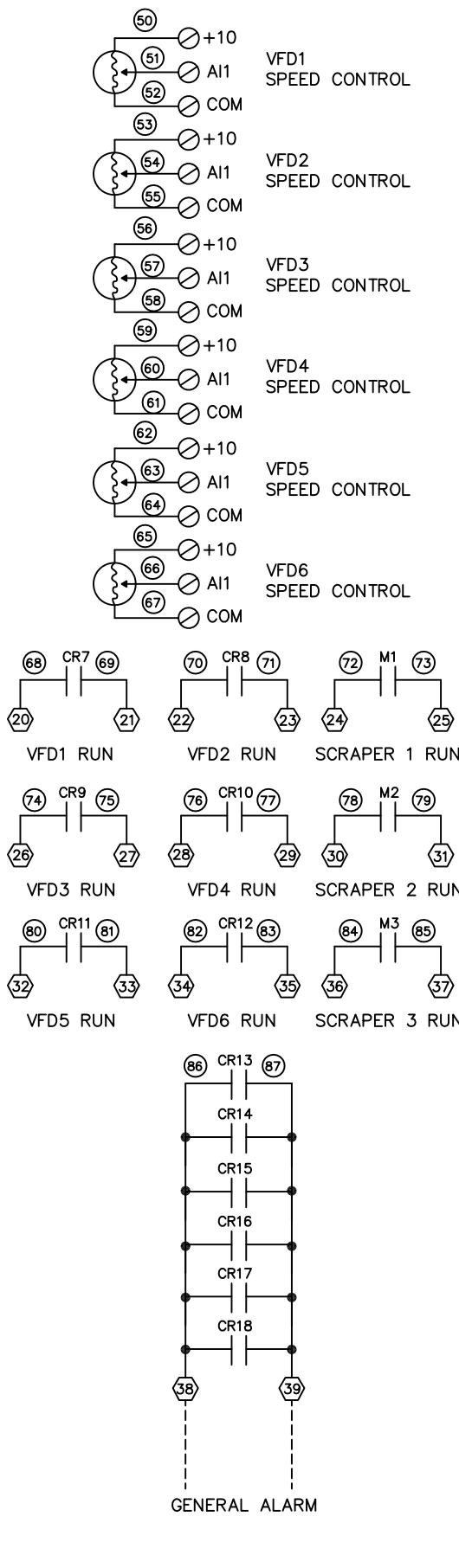


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			PROJECT	SAC 6

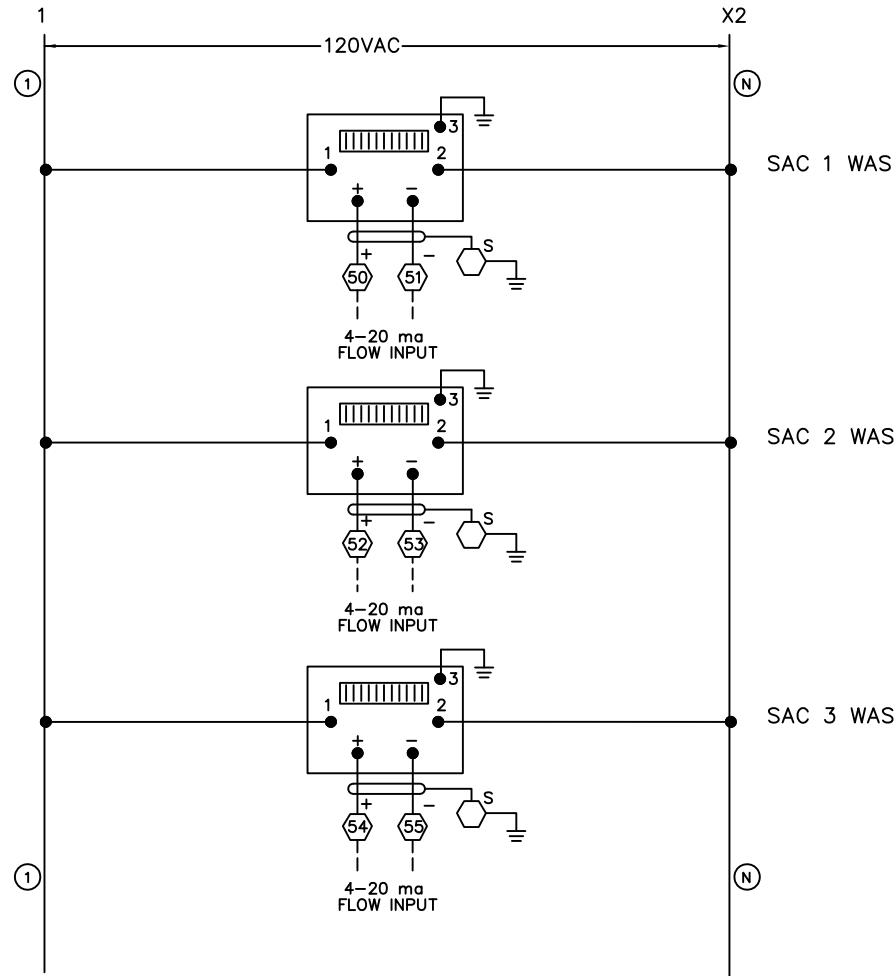


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CITY OF LAKE CHARLES WWTP D PROJECT		JOB NO.	
		DWG NO.	SAC 7

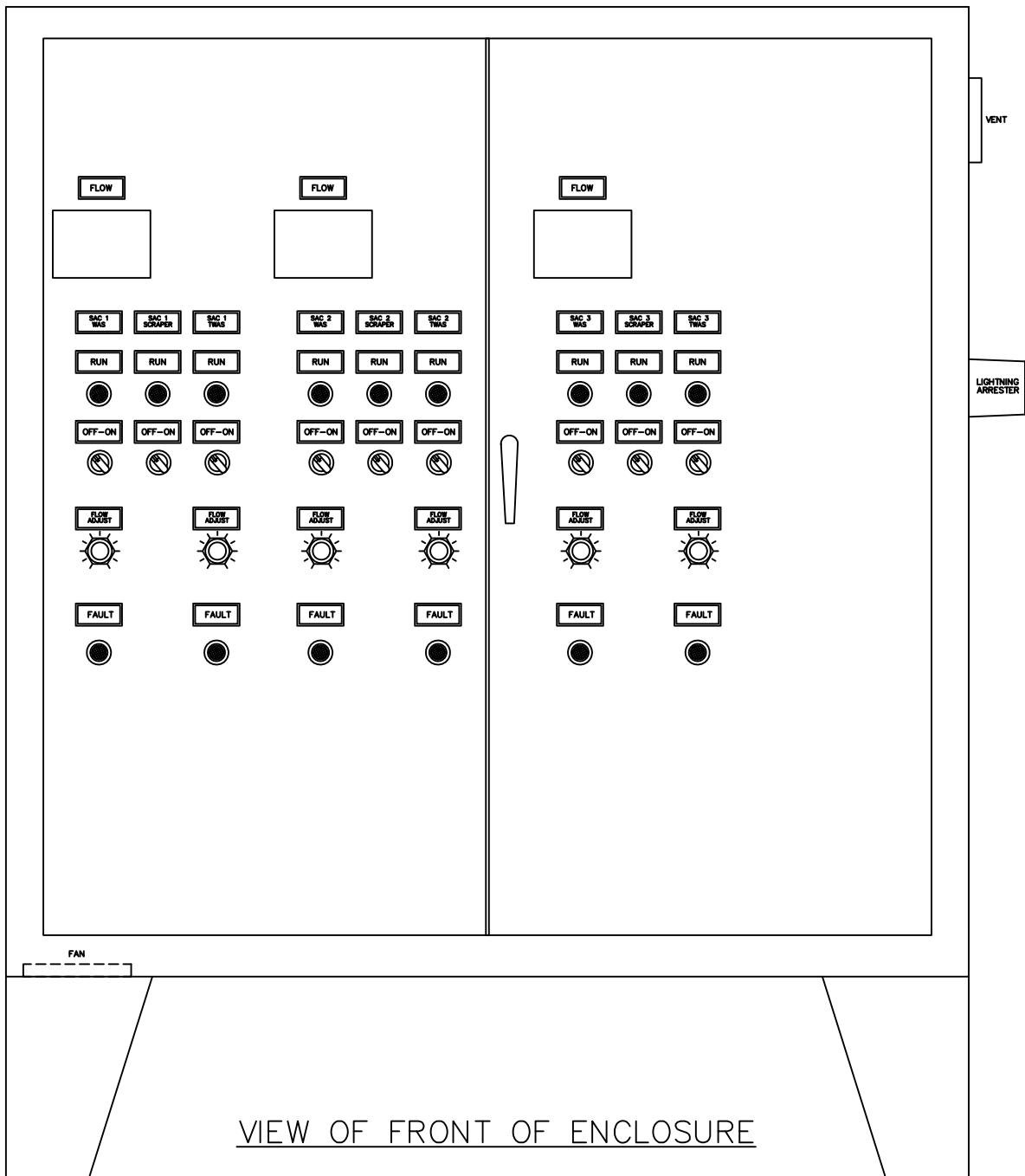


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NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	606012N12W/12" LEGS	ENCLOSURE
1a	1	EBE	6060P	BACKPLATE
2	1	BUSSMANN	16370-3	DISTRIBUTION BLOCK
3	1	CH	CHSA03	LIGHTNING ARRESTER
4	1	SSAC	PLMU11	PHASE MONITOR
5	6	ABB	OS30AJ12	FUSED DISCONNECT 1-6
6	21	BUSSMAN	JKS-15	15A FAST ACTING FUSE
7	6	SQUARE D	ATV-28HU72N4U	VFD 480V 5HP
8	3	ABB	S1N015TL	15A CB 1,2,3
9	3	ABB	A16-30-10-84	MS 1,2,3
10	3	ABB	TA25DU1.4	OL 1,2,3 (1.0-1.4A)
11	1	SQUARE D	9070TF150D1	X FORM
12	1	SQUARE D	QOU110	CB4
13	1	COMAIR ROTRON	5N468	FAN
14	2	WWG	4YD86	EXHAUST
15	1	STEGO	01141.9-00	THERMOSTAT
16	9	AB	800H-HR2A	2 POSITION
17	9	AB	800HQRT10R	PTT RED LIGHT
18	6	AB	800HQRT10A	PTT AMBER PILOT LIGHT
19	18	OMRON	G2RSAC120	CR1-18
20	6	SQUARE D	9001K2108	10K POT VERIFY
21	3	MOORE	POWERS 330R	DIGITAL INDICATOR
22	1	OMRON	MK3P	CR19
23	6	ABB	OHB5	DIRECT MOUNT HANDLE
24	1	SQUARE D	QOU120	CB5
25				

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