
COX

Research and Technology, Inc.

TREATMENT PLANT CONTROL PANEL

AS BUILT
9/28/01

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

| | |
|--------------|---------------------|
| VOLTAGE | <u>120/240</u> |
| PHASE/HZ | <u>3/60</u> |
| NO. MOTORS | <u>5</u> |
| HP | <u>SEE DRAWINGS</u> |
| TYPE OF PUMP | <u>N/A</u> |

| | |
|--------------------|------------------------|
| CONTROL VOLTAGE | <u>120V</u> |
| ENCLOSURE | <u>NEMA 4X</u> |
| ENCLOSURE MATERIAL | <u>STAINLESS STEEL</u> |
| CONTROL SENSOR | <u>FLOATS</u> |

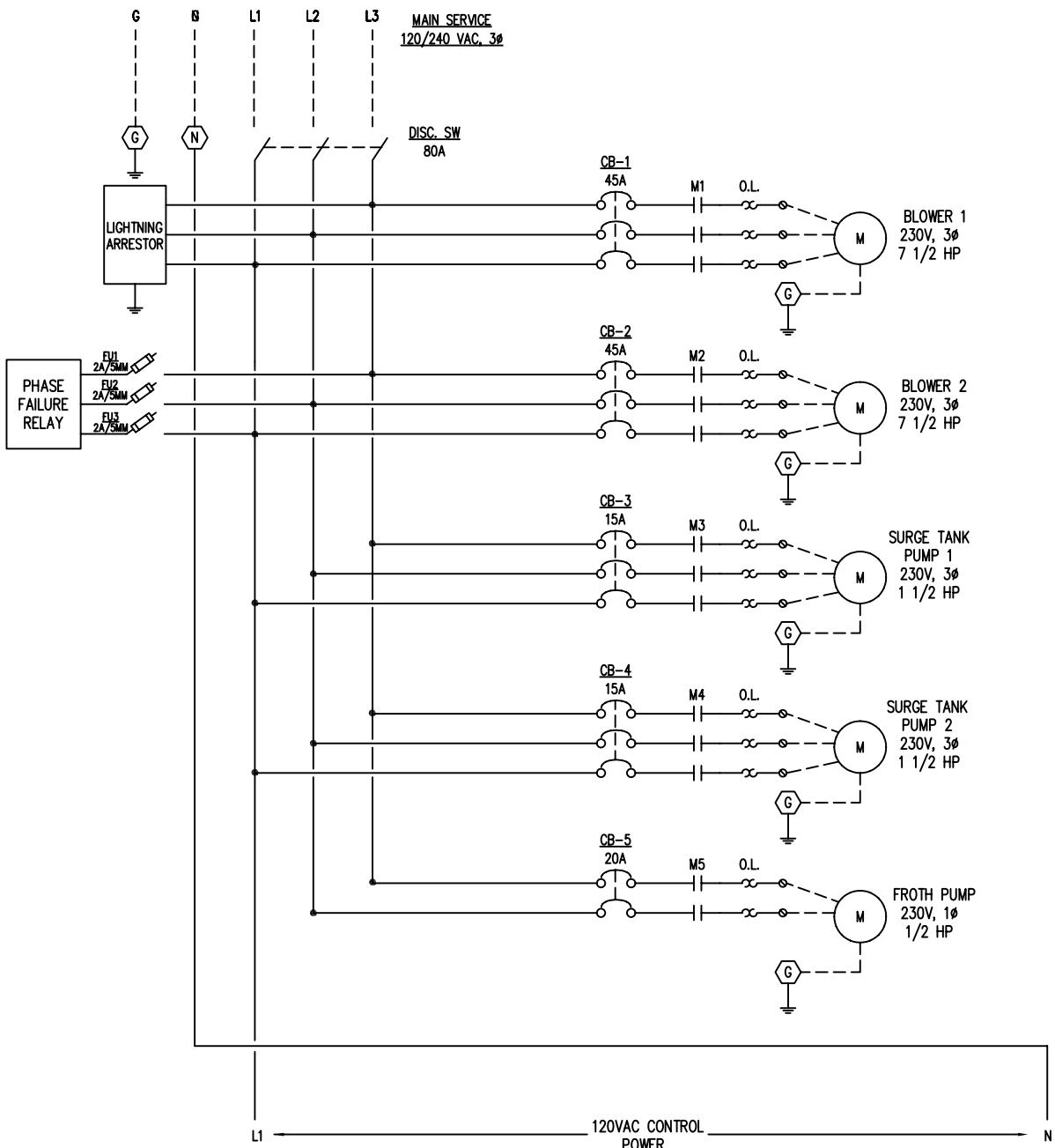
OPTIONS:

| | |
|------------------|-------|
| SEAL FAIL LIGHT | _____ |
| HT PUMP SHUTDOWN | _____ |
| ALARM HORN | _____ |
| ALARM LIGHT | X |
| ALARM PANEL MTD | _____ |
| ALARM REMOTE MTD | X |
| ALARM FLASHER | X |

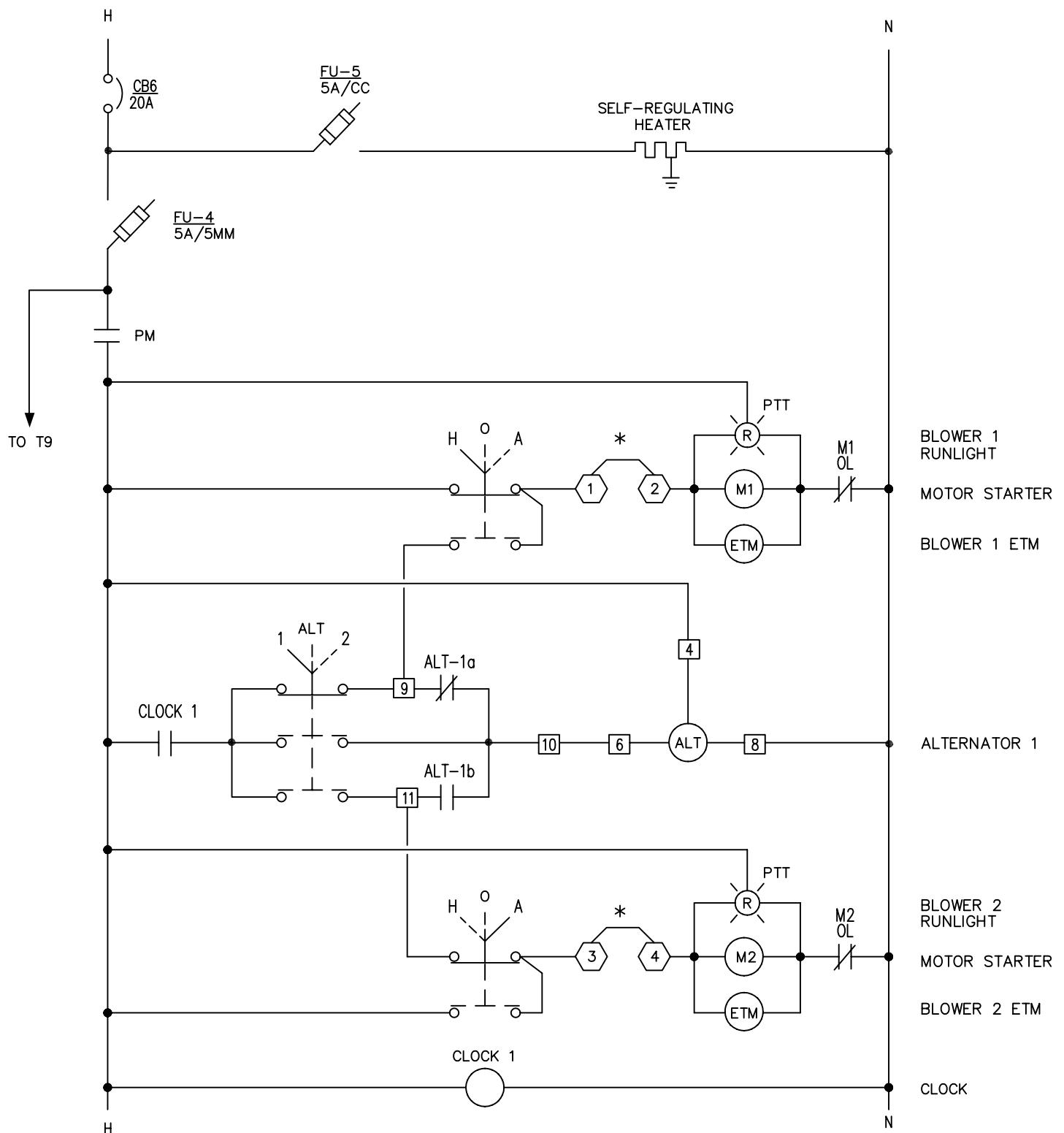
SOLD TO: ECC

SHIP TO: SAME

| Revision Information | | Drawing Title PANEL DESCRIPTION | | | | | | | | | |
|---------------------------|--|--|---|-----------------------------------|-------------------------|------------------|---|---|----|------|--|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | REFERENCE DRAWING | NO. | Revision Location | | ECN | Date | By | | |
| Date 6/6/01 | | Project Title / Tag TREATMENT PLANT | S/N 1265 | Sales Engineer C.C. R.C. | Application Engineer | Drawn By M.S. | Approved By Date | 6/6/01 | By | Date | |
| Time 09:14 AM | | |  | | | | P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030 | Purchase Order Number Sheet Number 1 | | | |
| File Name CONTROL1.DWG | | | | | | | | | | | |



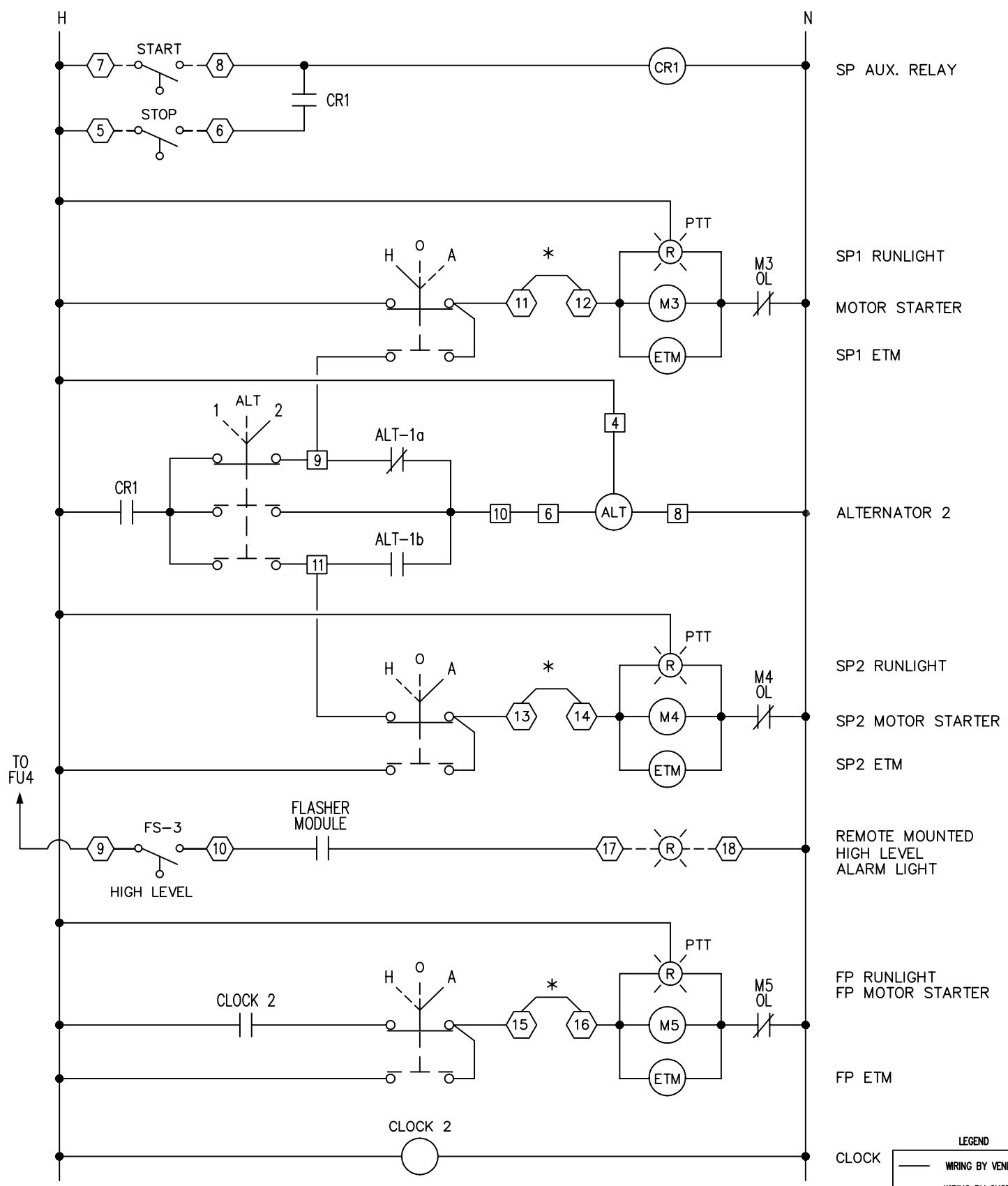
| Revision Information | | Drawing Title POWER DIAGRAM | | | | | | | | | |
|---------------------------|--|--|---|-------------------|---------------------------------|---|-------------------------|------------------------|--------------------------|--|--|
| | | | | | | | | | | | |
| Date 6/6/01 | | REFERENCE DRAWING | NO. | Revision Location | | ECN | Date | By | | | |
| | | | S/N 1265 | Sales Engineer | C.C. Application Engineer | R.C. By M.S. | Drawn Date 6/6/01 | Approved By Date | | | |
| Time 09:14 AM | | Project Title / Tag TREATMENT PLANT | COX Research and Technology, Inc. | | | P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030 | | | Purchase Order Number | | |
| File Name CONTROL1.DWG | | | | | | | | | Sheet Number 2 | | |

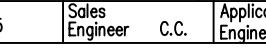

LEGEND

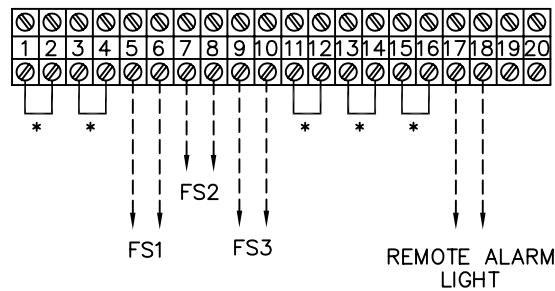
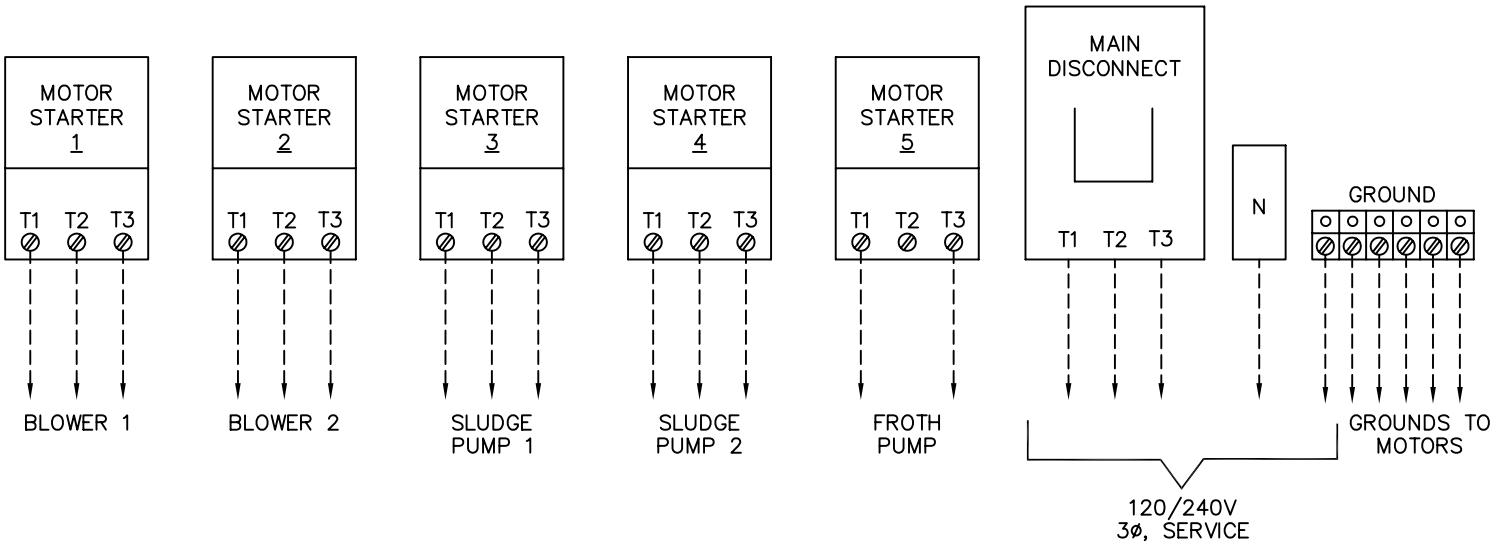
— WIRING BY VENDOR

- - WIRING BY CUSTOMER

| Revision Information | | Drawing Title | | | | | | | | | |
|----------------------|--------------|---------------------|------|--|------|---|-------------------|-----------------------|-------------|------|----|
| | | CONTROL DIAGRAM | | | | | | | | | |
| Date | 6/6/01 | | | REFERENCE DRAWING | | NO. | Revision Location | | ECN | Date | By |
| | | S/N | 1265 | Sales Engineer | C.C. | Application Engineer | R.C. | Drawn By M.S. | Approved By | Date | By |
| Time | 09:14 AM | Project Title / Tag | | <u><u>COX</u></u> Research and Technology, Inc. | | P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030 | | Purchase Order Number | | | |
| File Name | CONTROL1.DWG | TREATMENT PLANT | | | | Sheet Number | | 3 | | | |

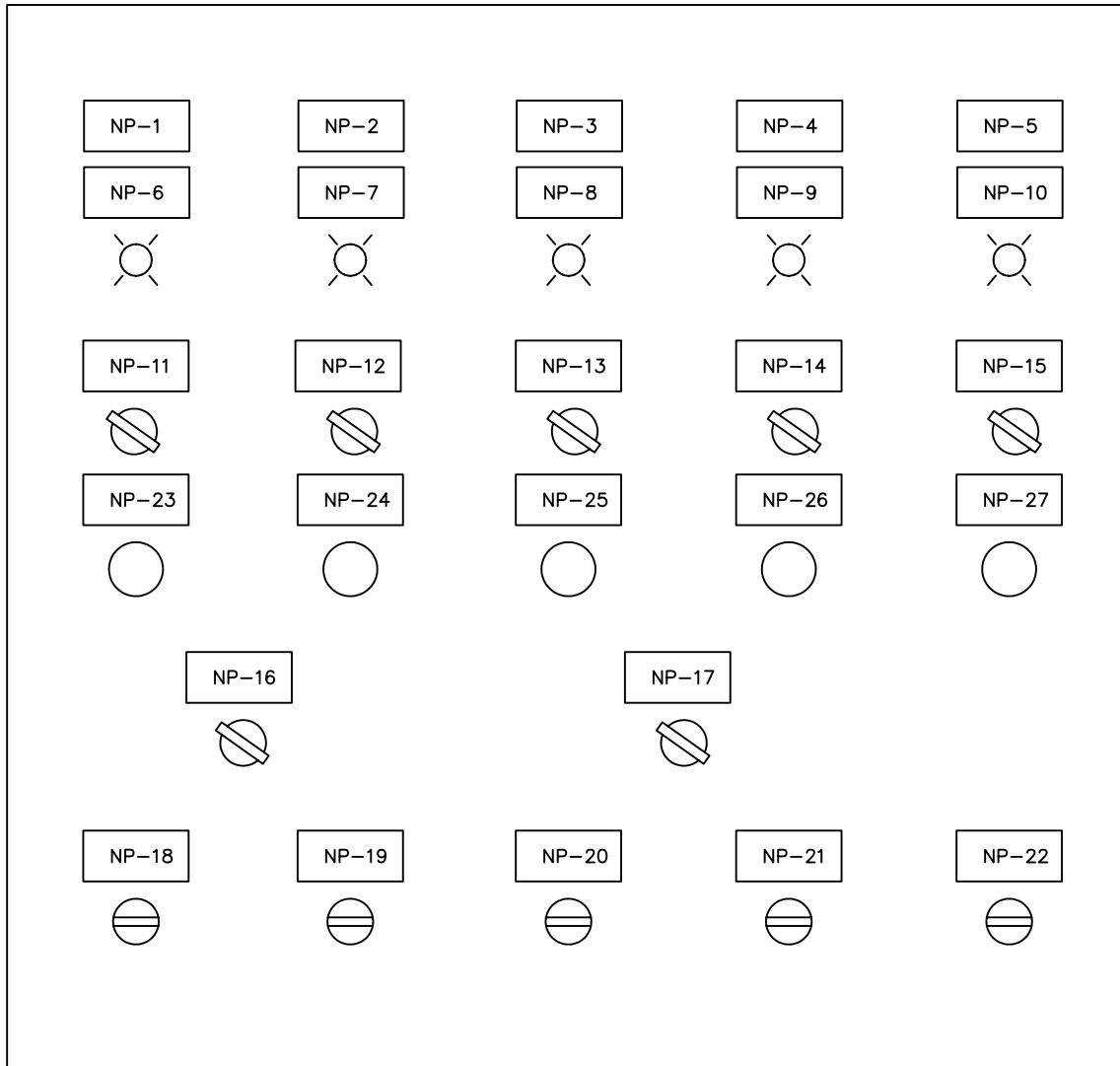


| | | | | | | | | | |
|---------------------------|--------------------------------------|--|---|-------------------|-------------------------|------|---|---|----|
| Revision Information | Drawing Title CONTROL DIAGRAM | | | | | | | | |
| Date 6/5/01 | | REFERENCE DRAWING | NO. | Revision-Location | | | ECN | Date | By |
| Time 09:14 AM | | S/N 1265 | Sales Engineer | C.C. | Application Engineer | R.C. | Drawn By M.S. | Approved Date | |
| | | | | | | | | | |
| | | | | | | | | | |
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* REMOVE JUMPERS IF
CUSTOMER INTERLOCKS
ARE USED

| Revision Information | | Drawing Title | | | | | | | | | |
|----------------------|--------------|---------------------|------|----------------|------|---|------|---------------|-------------|-----------------------|---------|
| EXTERNAL CONNECTIONS | | | | | | | | | | | |
| | | REFERENCE DRAWING | | NO. | | Revision-Location | | ECN | | Date | By |
| Date | 6/6/01 | S/N | 1265 | Sales Engineer | C.C. | Application Engineer | R.C. | Drawn By M.S. | Approved By | 6/6/01 Date | By Date |
| Time | 09:14 AM | Project Title / Tag | | | | COX | | | | Purchase Order Number | |
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| | | | | | | P.O. Box 77808 Baton Rouge, La. 70879 Ph. (225) 756-3271 Fax (225) 755-1030 | | | | 5 | |



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

| | | | |
|-------|--------------|-------|---------|
| NP-1 | BLOWER 1 | NP-17 | 1-ALT-2 |
| NP-2 | BLOWER 2 | NP-18 | ETM |
| NP-3 | SURGE PUMP 1 | NP-19 | ETM |
| NP-4 | SURGE PUMP 2 | NP-20 | ETM |
| NP-5 | FROTH PUMP | NP-21 | ETM |
| NP-6 | RUN | NP-22 | ETM |
| NP-7 | RUN | NP-23 | RESET |
| NP-8 | RUN | NP-24 | RESET |
| NP-9 | RUN | NP-25 | RESET |
| NP-10 | RUN | NP-26 | RESET |
| NP-11 | HOA | NP-27 | RESET |
| NP-12 | HOA | | |
| NP-13 | HOA | | |
| NP-14 | HOA | | |
| NP-15 | HOA | | |
| NP-16 | 1-ALT-2 | | |

| | | | | | | | | | | |
|------------------------|--------------------------------|---------------------|---|-------------------|----------------------|------|---|--------|-------------|-----------------------|
| Revision Information | Drawing Title ENCLOSURE | | | | | | | | | |
| Date 6/6/01 | | REFERENCE DRAWING | NO. | Revision-Location | | | ECN | Date | By | |
| S/N | | 1265 | Sales Engineer | C.C. | Application Engineer | R.C. | Drawn By M.S. | 6/6/01 | Approved By | Date |
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| | | TREATMENT PLANT | | | | | | | | Sheet Number |
| File Name CONTROL1.DWG | | | | | | | | | | 6 |

BILL OF MATERIAL

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------------|------------------------|
| 1 | 1 | EB&E | S363010N4X | ENCLOSURE |
| 1a | 1 | EB&E | 36301BP | BACKPLATE |
| 2 | 1 | ABB | OT63E3 | MAIN DISC. SWITCH |
| 3 | 2 | ABB | A26N1-30-10-84 | MOTOR STARTER M1,M2 |
| 4 | 2 | ABB | TA25DU25 | O.L. (18-25A) OL1,2 |
| 5 | 3 | ABB | A9N00-30-10-84 | MOTOR STARTER M3,4,5 |
| 6 | 2 | ABB | TA25DU4 | O.L. (2.8-4A) OL3,4 |
| 7 | 1 | ABB | TA25DU6.5 | O.L. (4.5-6.5A) OL5 |
| 8 | 2 | SQD | QOU-345 | CB1,2 |
| 9 | 2 | SQD | QOU-315 | CB3,4 |
| 10 | 1 | SQD | QOU-220 | CB5 |
| 11 | 1 | SQD | QOU-120 | CB6 |
| 12 | 1 | INTERMATIC | IG2403LDH | LIGHTNING ARRESTER |
| 13 | 1 | SSAC | PLMU-11 | PHASE MONITOR |
| 14 | 1 | TEEL | 1D008 | PANEL HEATER |
| 15 | 2 | TIMEMARK | 261DT120 | ALTERNATOR |
| 16 | 2 | DIEHL | 2A519 | CLOCK TIMER |
| 17 | 5 | GRASSLIN | UWZ52E | ETM |
| 18 | 5 | ACI | JR22BL11R | RED IND. LIGHTS - 22MM |
| 19 | 5 | ACI | JR22P3M20B | HOA SWITCH - 22MM |
| 20 | 2 | SQD | 9001SKS46B/KA2,KA3 | ALTERNATOR SWITCH |
| 21 | 1 | SSAC | FS126 | FLASHER MODULE |
| 22 | 1 | HUBBELL | NAV15GHG/RED GLOBE | REMOTE LIGHT |
| 23 | LOT | WIELAND | WKU | TERMINAL STRIPS |
| 24 | 5 | ABB | CBK-RB | THRU DOOR RESET |
| 25 | 1 | OMRON | G2R2SAC120 | DP RELAY |

NOTE TO BUILDER:

CONTROL WIRE TO BE #18 90°C UL
 UTILIZE SELF-TAPPING SCREWS W/ MACHINE SCREW THREADS
 USE NEMA RATED STARTERS W/ NON-SPINDLE ADJUSTABLE O.L.'S
 UTILIZE ALL THERMAL MAGNETIC CIRCUIT BREAKERS
 DO NOT I.D. WIRE ENDS OR UTILIZE RING TERMINALS
 USE STANDARD FINAL TEST PROCEDURES
 SHIP VIA HOT-SHOT
 USE THRU PANEL PUSHBUTTON RESETS

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| Date | S/N 1265 | | Sales Engineer | C.C. | Application Engineer | R.C. | Drawn By M.S. | Approved Date | By Date | |
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| | | | | | | | | | 7 | |