
COX

Research and Technology, Inc.

SAND FILTER
CONTROL PANEL
LAKE CATHERINE

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

CP-1708

| | | |
|----------------|------------------|--|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 1/60 | |
| NO. MOTORS | 5 Pump, 1 Blower | |
| HP | 1/2, 2 | |
| FLA | 4.9, 12 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | Meyers | |
| CATALOG NUMBER | WHR | |

| | | |
|----------------------------------|------------|--|
| 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 | No | (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 | X | |
| LIGHT REMOTE MTD | | |
| LIGHT FLASHER | | |
| LIGHTNING ARRESTER | | |
| ELAPSED TIME METER | | |
| PHASE MONITOR | | |
| NEMA RATED STARTERS | | |
| GROUND FAULT RECPT. | | |
| GREEN RUN LIGHTS VS. RED | | |
| POLE, BOX, SEAL | | |
| INTRINSICALLY SAFE RELAYS | | |
| HIGH TEMP. LOCKOUT, MANUAL RESET | | |
| ECONOMY VERSION | | |

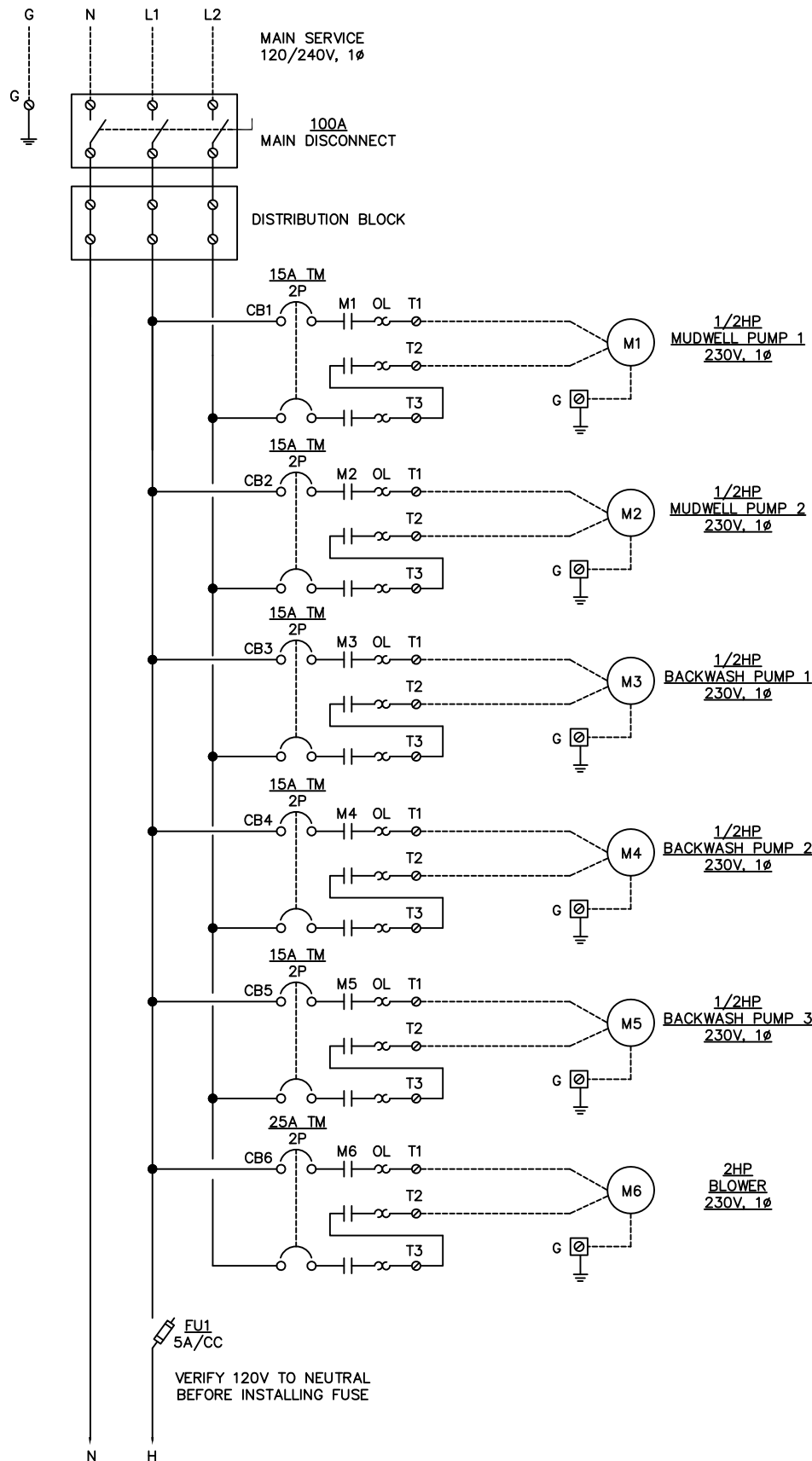
SOLD TO: Delta Process - Ruston, LA

TAG : LAKE CATHERINE

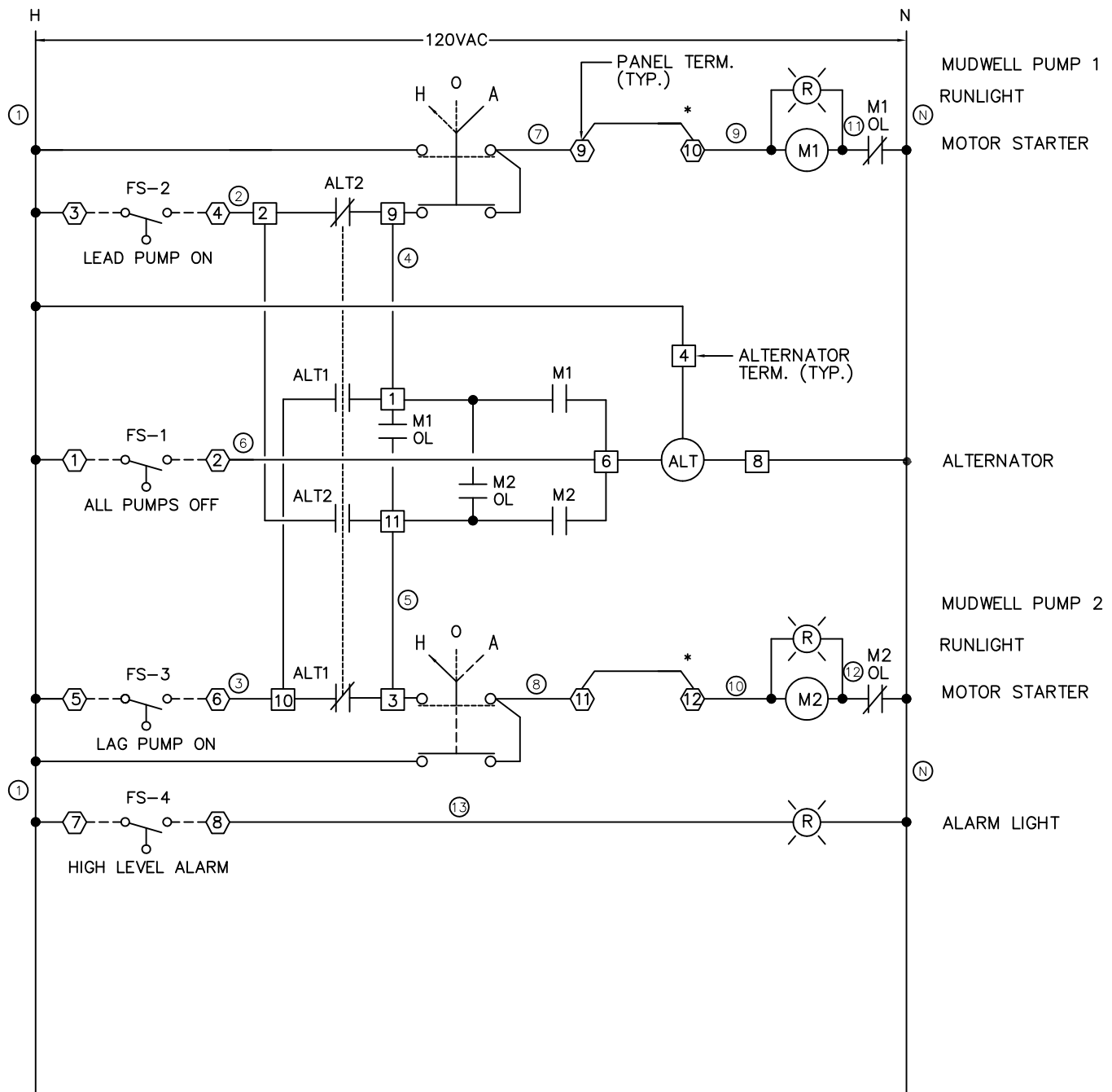
SAND FILTER CONTROL PANEL

SHIP TO: Delta Process - Ruston, LA

| | | | | | | | |
|------------------|---------------------------|---|-------------------------------|---|--|-----|---|
| | Drawing Title | | | | | | |
| | PANEL DESCRIPTION | | | | | | |
| | | | | | | | |
| DATE 12/08/03 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE |
| | Project Title | <div>COX</div> <div>Research and Technology, Inc.</div> | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1708 SHEET NUMBER 1 |
| | SAND FILTER CONTROL PANEL | | | | | | |



| | | | | | | | | |
|------------------|------------------------------|--|-------------------------------|---|--|---------------------------|--------------|----|
| | Drawing Title | | | | | | | |
| | POWER DIAGRAM | | | | | | | |
| | | | | | | | | |
| DATE 12/08/03 | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN BY | DATE DATE | BY |
| | Project Title | | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | |
| | SAND FILTER CONTROL PANEL | COX Research and Technology, Inc. | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1708 | | |
| | | | | | | SHEET NUMBER 2 | | |



* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

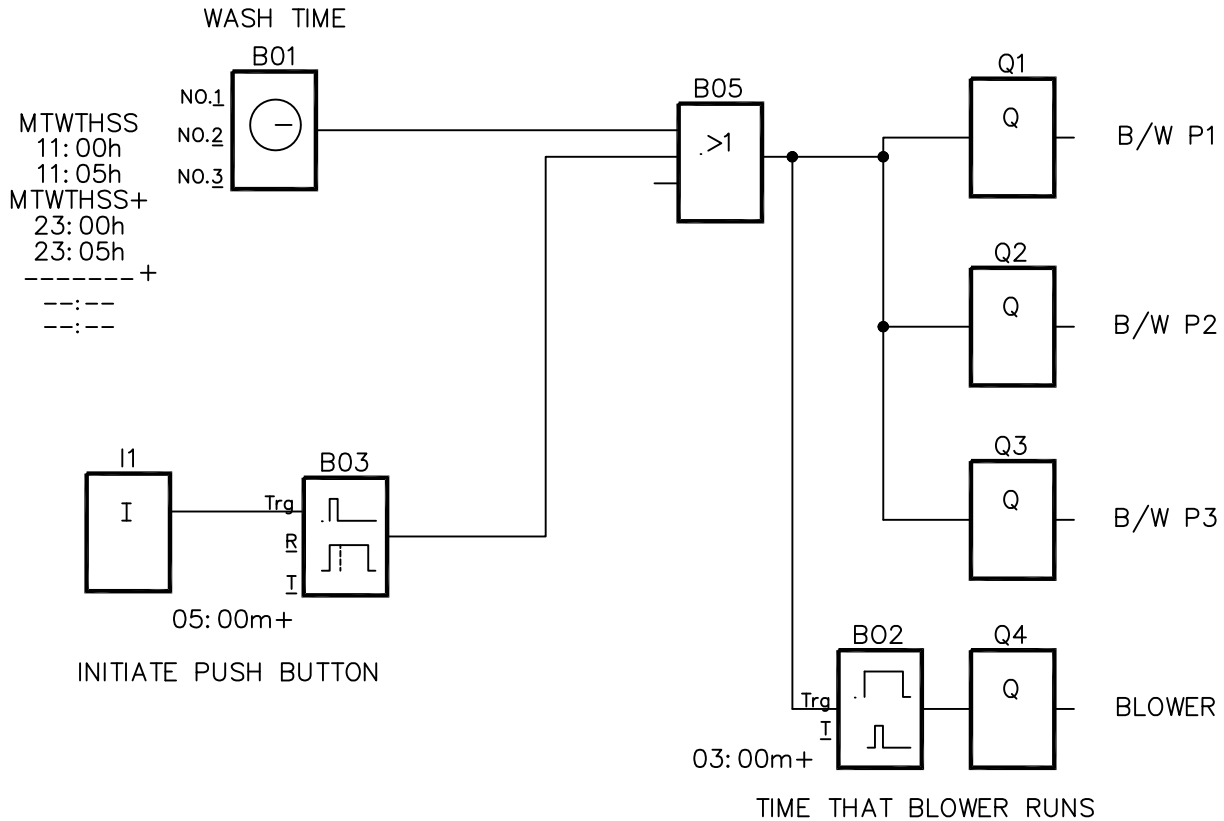
| | | | | | | | | | |
|------------------|---|--|--|--|-------------------------------|--|--|---|-----------|
| | Drawing Title CONTROL DIAGRAM | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| DATE 12/08/03 | | | REFERENCE DRAWING S/N | | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | | DRAWN BY C. RACHAL | ECN BY |
| | Project Title SAND FILTER CONTROL PANEL | | COX Research and Technology, Inc. | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1708 SHEET NUMBER 3 | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|-----------------------|
| 1 | 1 | ALLIED | AM30240RL | ENCLOSURE |
| 1a | 1 | ALLIED | A3024P | BACKPLATE |
| 2 | 1 | ABB | OT100E3 | MAIN DISC. SWITCH |
| 3 | 6 | ABB | A16-30-10-84 | MOTOR STARTER |
| 4 | 1 | ABB | TA25DU14 | O.L. RELAY (10-14A) |
| 5 | 1 | SQUARE D | QOU225 | CB6 |
| 6 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 7 | 6 | ACI | JR22FR | RED PILOT LIGHT |
| 8 | 6 | ACI | JR22P3M20B | HOA SWITCH |
| 9 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 10 | 5 | ABB | TA25DU6.5 | O.L. RELAY (4.5-6.5A) |
| 11 | 5 | SQUARE D | QOU215 | CB1-5 |
| 12 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 13 | 1 | SIEMENS | LOGO! 230R | PLC |
| 14 | 1 | ACI | JR22AN11B | PUSH BUTTON |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |

| | | | | | | | |
|------------------|---|---|------------------------|------------------------------|--|----------------|---|
| | Drawing Title | | | | | | |
| | <h2 style="margin: 0;">BILL OF MATERIALS</h2> | | | | | | |
| | | | | | | | |
| DATE 12/08/03 | | REFERENCE DRAWING | NO. | REVISION-LOCATION | ECN | DATE | BY |
| | | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY C. RACHAL | APPROVED BY | DATE |
| | Project Title | <div style="border-top: 3px double black; border-bottom: 3px double black; padding: 5px;"> <h1 style="margin: 0;">COX</h1> <p style="margin: 0;">Research and Technology, Inc.</p> </div> | | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | | PURCHASE ORDER NUMBER DRAWING NUMBER <div style="text-align: right;">CP-1708</div> SHEET NUMBER |
| | SAND FILTER CONTROL PANEL | | | | | | 7 |

LAKE CATHERINE FILTERS



| <u>BLOCK NUMBER</u> | <u>DESCRIPTION</u> |
|---------------------|---|
| B01 | AUTO MODE WASH TIME. SET THE TIME OF DAY THAT THE FILTER IS TO BACKWASH (UP TO THREE TIMES PER DAY) AND THE LENGTH OF TIME TO BACKWASH. |
| B02 | LENGTH OF TIME THAT BLOWER RUNS. |
| B03 | LENGTH OF TIME THAT FILTER BACKWASHES WHEN INITIATE BUTTON IS PUSHED. |

[illegible]