
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
CITY OF OPELOUSAS
PENTECOSTAL CHURCH LIFT STATION

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

CP-2361

| | | |
|----------------------------------|-------------|--------------------------------------------------|
| VOLTAGE | 120/240V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 1/60 | |
| NO. MOTORS | 2 | |
| HP | 2 | |
| FLA | 15.6 | |
| TYPE OF PUMP | Submersible | (Self-Priming, Submersible) |
| MANUFACTURER | Hydromatic | |
| CATALOG NUMBER | | |
| | | |
| 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 | | |
| THERM. & SEAL FAIL WIRING FIGURE | | |

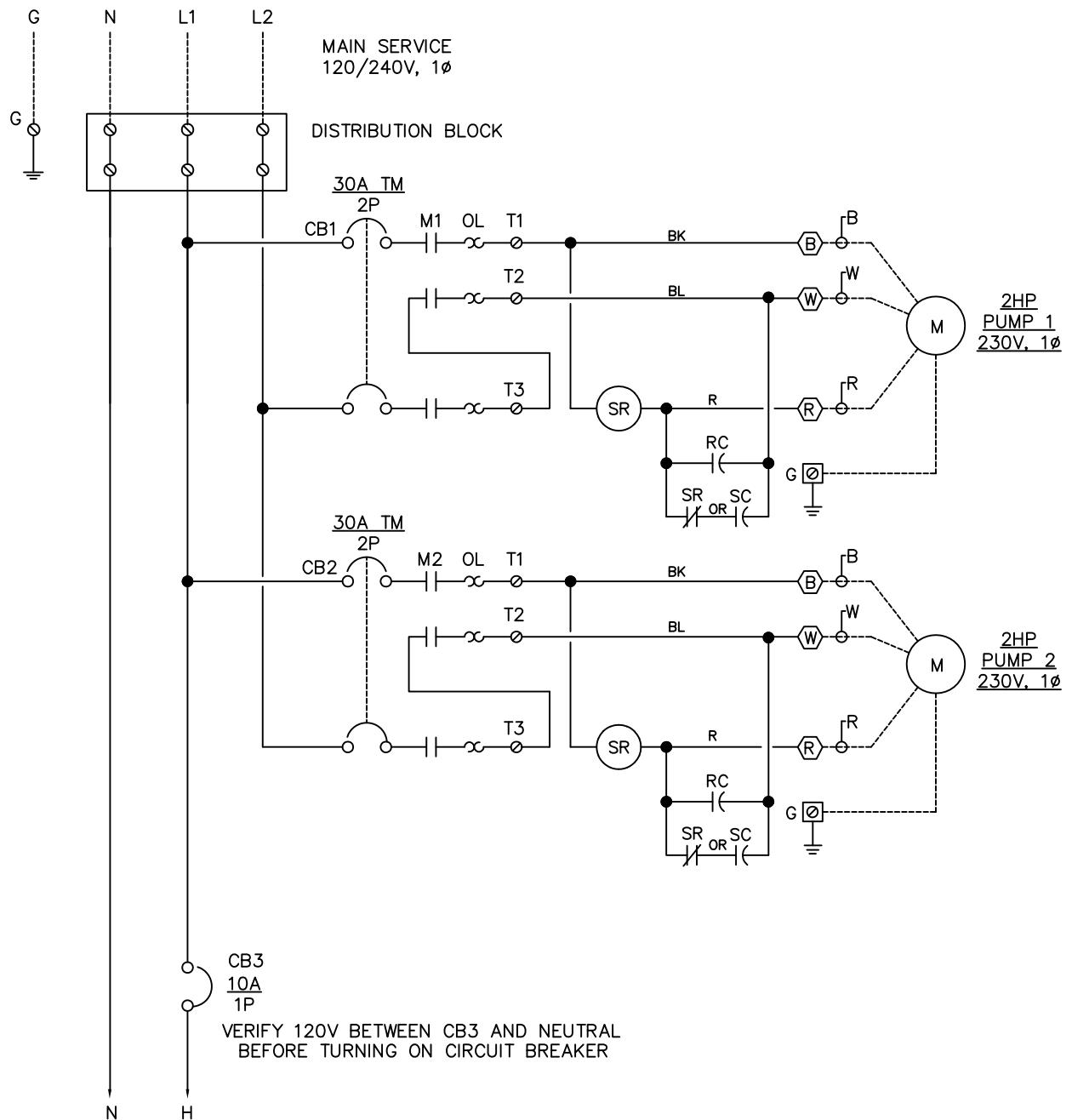
OPTIONS:

| | | |
|----------------------------------|---|----------------------------|
| SEAL FAIL LIGHTS | X | (Submersible Only) |
| SEAL FAIL RELAYS | | (Submersible Only) |
| SEAL FAIL PUMP SHUTDOWN | | (Submersible Only) |
| HT PUMP SHUTDOWN | X | (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 | | |

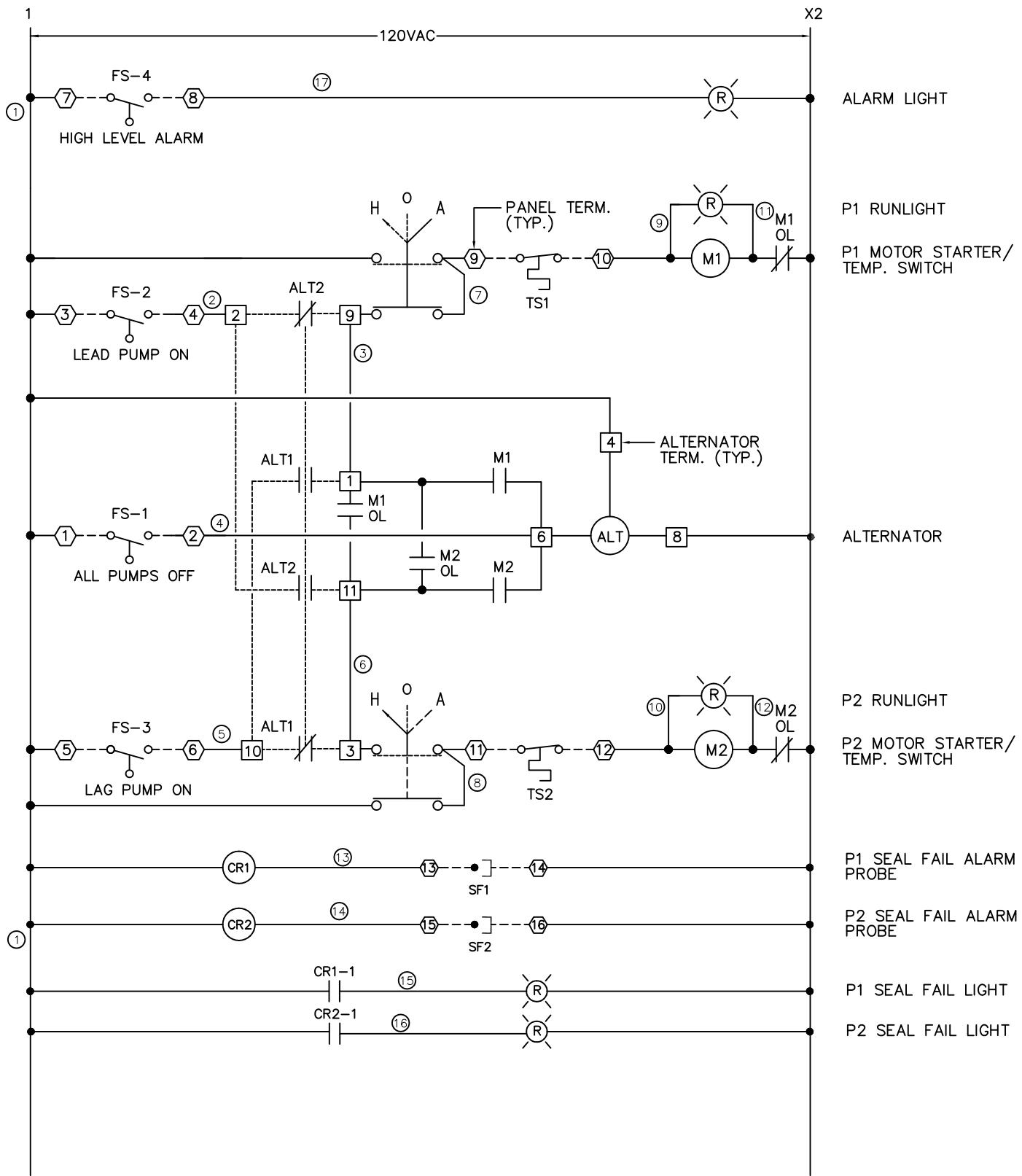
SOLD TO: Hollier Electric
TAG : City of Opelousas
 Pentecostal Church Lift Station

SHIP TO: _____

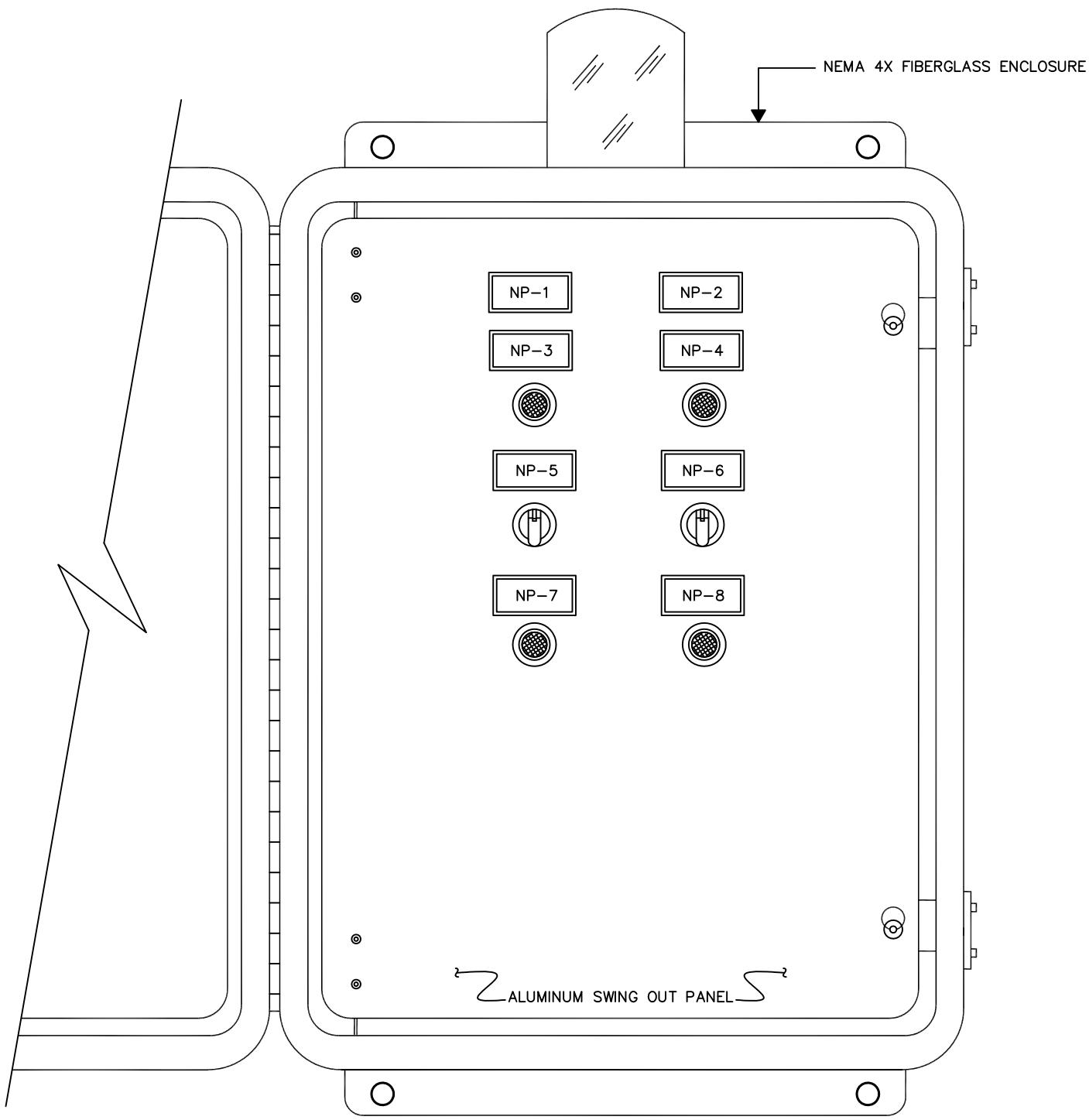
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|-----|----------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------|---------------------------|------|------|----|
| | Drawing Title PANEL DESCRIPTION DATE 4/11/06 | | | | | | |
| | | 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 DUPLEX PUMP CONTROL PANEL | <hr/> <hr/> COX <hr/> Research and Technology, Inc. <hr/> <hr/> | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | | |
| | | | Ph. (225)756-3271 Fax (225)755-1030 | DRAWING NUMBER CP-2361 | | | |
| | | | | SHEET NUMBER 1 | | | |



| | | | | | |
|-----------------|-----------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------|
| | Drawing Title POWER DIAGRAM | | | | |
| | | | | | |
| | | | | | |
| DATE 4/11/06 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE APPROVED BY DATE |
| | | | | | |
| | Project Title DUPLEX PUMP CONTROL PANEL | COX Research and Technology, Inc. | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-2361 SHEET NUMBER 2 | |



| | | | | | | | | |
|-----------------|--------------------------------------|------------------------|------------------------------------------------------------------|-----------------------|--------------------------------------------|----------------|---------------------------|------|
| | Drawing Title CONTROL DIAGRAM | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| DATE 4/11/06 | | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN | DATE |
| | S/N | Sales Engineer C.C. | Application Engineer R.C. | DRAWN BY C. RACHAL | | APPROVED BY | DATE | |
| | Project Title | | <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. | | P.O. Box 77808 Baton Rouge, LA 70809 | | PURCHASE ORDER NUMBER | |
| | DUPLEX PUMP CONTROL PANEL | | | | Ph. (225)756-3271 Fax (225)755-1030 | | DRAWING NUMBER CP-2361 | |
| | | | | | | | SHEET NUMBER 3 | |



VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

| | | |
|------|------|------|
| NP-1 | PUMP | 1 |
| NP-2 | PUMP | 2 |
| NP-3 | RUN | |
| NP-4 | RUN | |
| NP-5 | HOA | |
| NP-6 | HOA | |
| NP-7 | SEAL | FAIL |
| NP-8 | SEAL | FAIL |

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

| | Drawing Title ENCLOSURE DATE 4/11/06 | | | | | | |
|--|-------------------------------------------------------|------------------------------------------------------------------|-------------------------------|---------------------------------------------------|--------------------------------------------|---------------------------|-----------------------------|
| | | | | | | | |
| | | | | | | | |
| | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | DRAWN BY C. RACHAL | ECN | DATE APPROVED BY DATE |
| | Project Title DUPLEX PUMP CONTROL PANEL | <hr/> <hr/> COX <hr/> <hr/> Research and Technology, Inc. | | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | |
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| | | | | | | SHEET NUMBER 4 | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|--------------|---------------------|
| 1 | 1 | STAHLIN | RJ1816HPLDF | ENCLOSURE |
| 1a | 1 | STAHLIN | BP1816AL | BACKPLATE |
| 2 | 2 | ABB | A16-30-10-84 | MOTOR STARTER |
| 3 | 2 | ABB | TA25DU19 | O.L. RELAY (13-19A) |
| 4 | 2 | SQUARE D | QOU230 | CB1, CB2 |
| 5 | 1 | TIMEMARK | 261DT120 | ALTERNATING RELAY |
| 6 | 4 | ACI | JR22FR | RED PILOT LIGHT |
| 7 | 2 | ACI | JR22P3M20B | HOA SWITCH |
| 8 | 1 | AC/DC | BL5-R-120 | ALARM LIGHT |
| 9 | 2 | IDECK | RY2SUAC120V | RELAYS |
| 10 | 2 | NG | 4CU68 | START CAPACITOR |
| 11 | 1 | MARATHON | 1323580 | DISTRIBUTION BLOCK |
| 12 | 2 | DAYTON | 2GE79 | RUN CAPACITOR |
| 13 | 2 | GE | 6X559 | START RELAY |
| 14 | 1 | SQUARE D | QOU110 | CB3 |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
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| 24 | | | | |

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|-----------------------------------------------|--------------------------------------|-------------|----------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------|---------|---|
| | Drawing Title | | | | | | |
| | BILL OF MATERIALS | | | | | | |
| DATE 4/11/06 | REFERENCE DRAWING S/N | NO. C.C. | REVISION-LOCATION DRAWN R.C. BY C. RACHAL | ECN | DATE APPROVED BY DATE | | |
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| | | | | | | | 5 |