
COX

Research and Technology, Inc.

OMEGA PROTEIN SLIMER CONTROL

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

| | | |
|----------------------------------|------|--|
| VOLTAGE | 120V | (480V, 277/480V, 240V, 120/240V, 208V, 120/208V) |
| PHASE/HZ | 1/60 | |
| NO. MOTORS | | |
| HP | | |
| FLA | | |
| TYPE OF PUMP | | |
| MANUFACTURER | | |
| CATALOG NUMBER | | |
| CONTROL VOLTAGE | 120V | (120V, Other) |
| ENCLOSURE | | (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X) |
| ENCLOSURE MATERIAL | | (Painted Steel, Stainless Steel, Fiberglass) |
| CONTROL SENSOR | | (Floats, Bubbler, Other) |
| CAPACITORS | | |
| CAPACITOR WIRING FIGURE | | |
| THERM. & SEAL FAIL WIRING FIGURE | | (Yes, No) |

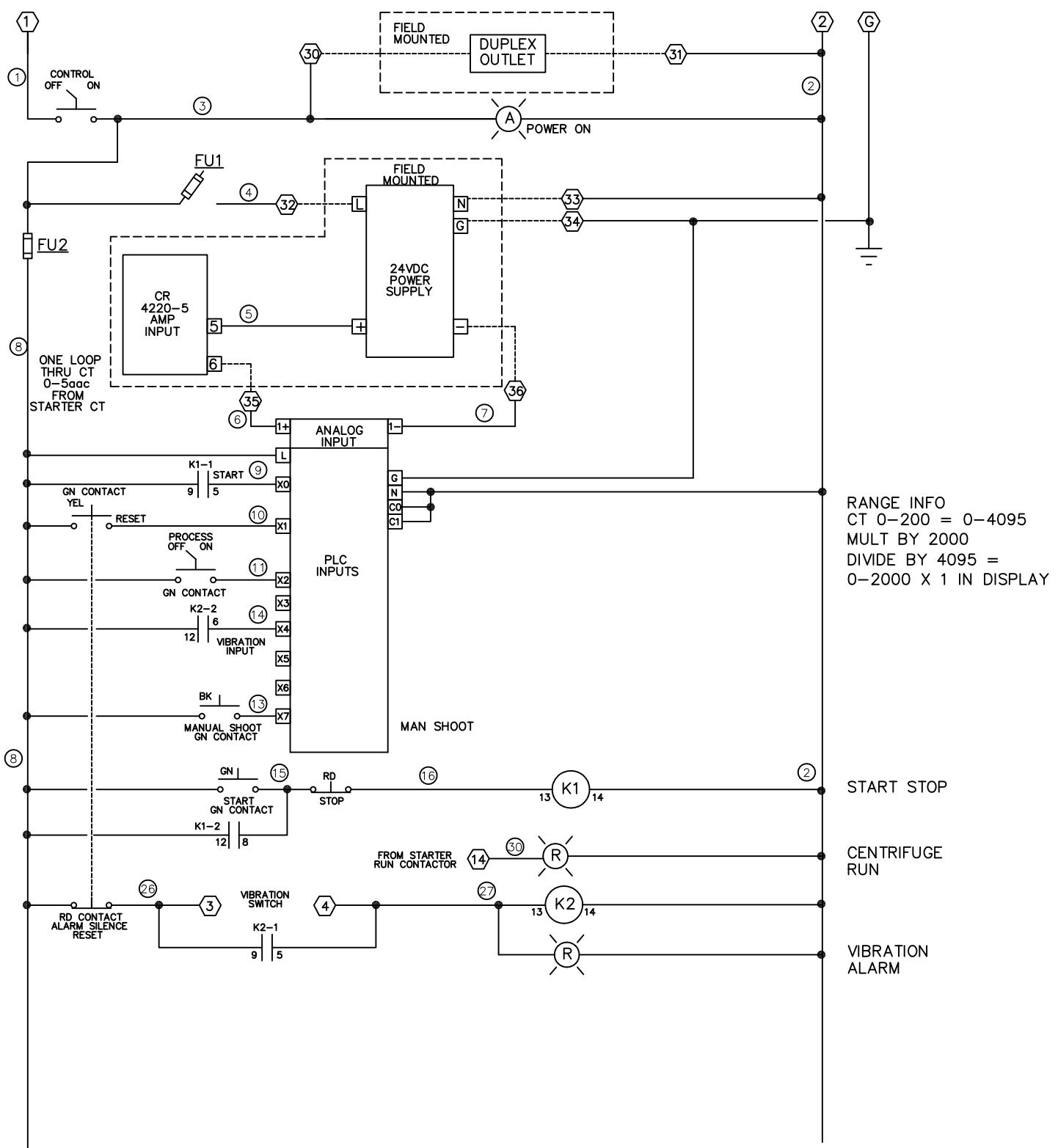
OPTIONS:

| | | |
|----------------------------------|--|----------------------------|
| 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 | | |
| 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 | | |

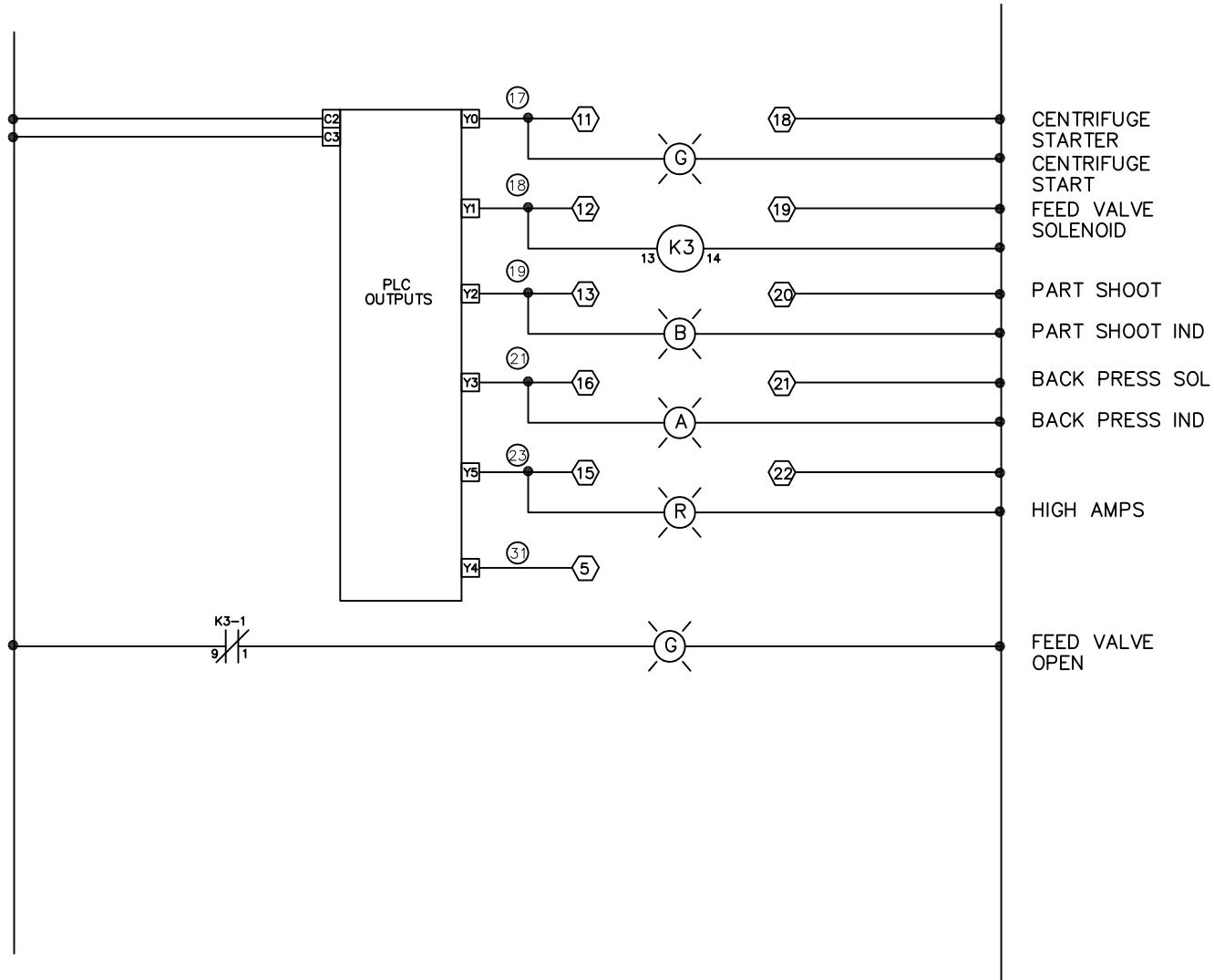
SOLD TO: Omega Protein, Inc.
TAG : Slimer Control Panels

SHIP TO: Omega Protein, Inc.
9730 Andrew Rd.
Abbeville, LA 70510

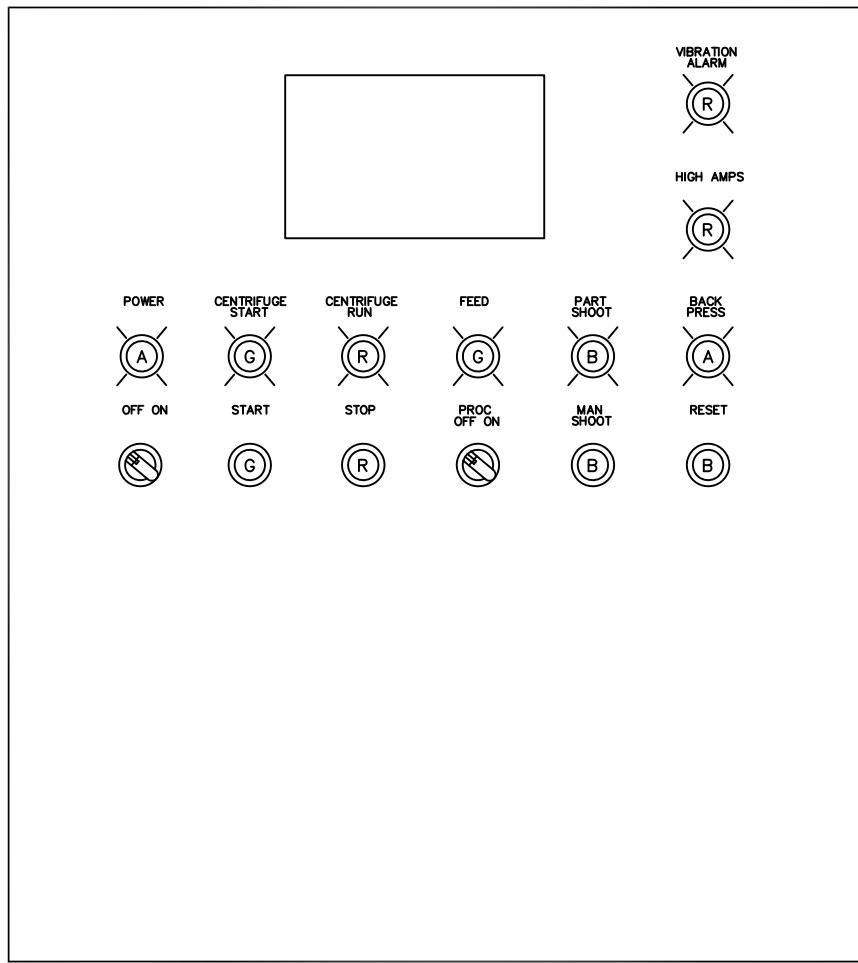
| | Drawing Title | | | | | | | |
|------------------|--|---|----------------|--|---------------------------|--|-------------------|------|
| | PANEL DESCRIPTION | | | | | | | |
| | | REFERENCE DRAWING | | NO. | REVISION-LOCATION | | ECN | DATE |
| | | S/N | Sales Engineer | Application Engineer | DRAWN | | APPROVED | BY |
| DATE 12/30/03 | | | C.C. | R.C. | BY C. RACHAL | | BY | DATE |
| | Project Title OMEGA PROTEIN SLIMER CONTROL | <u>COX</u> Research and Technology, Inc. | | P.O. Box 77808 Baton Rouge, LA 70809 | PURCHASE ORDER NUMBER | | | |
| | | | | Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1706 | | SHEET NUMBER 1 | |



| | | | | | | | |
|--|---|-------------------------------|---|------------------------------|---|---------------------------|-------------------|
| | Drawing Title | | | | | | |
| CONTROL DIAGRAM | | | | | | | |
| DATE 12/30/03 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE | | |
| Project Title OMEGA PROTEIN SLIMER CONTROL | COX Research and Technology, Inc. | | | | PURCHASE ORDER NUMBER P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | DRAWING NUMBER CP-1706 | SHEET NUMBER 2 |

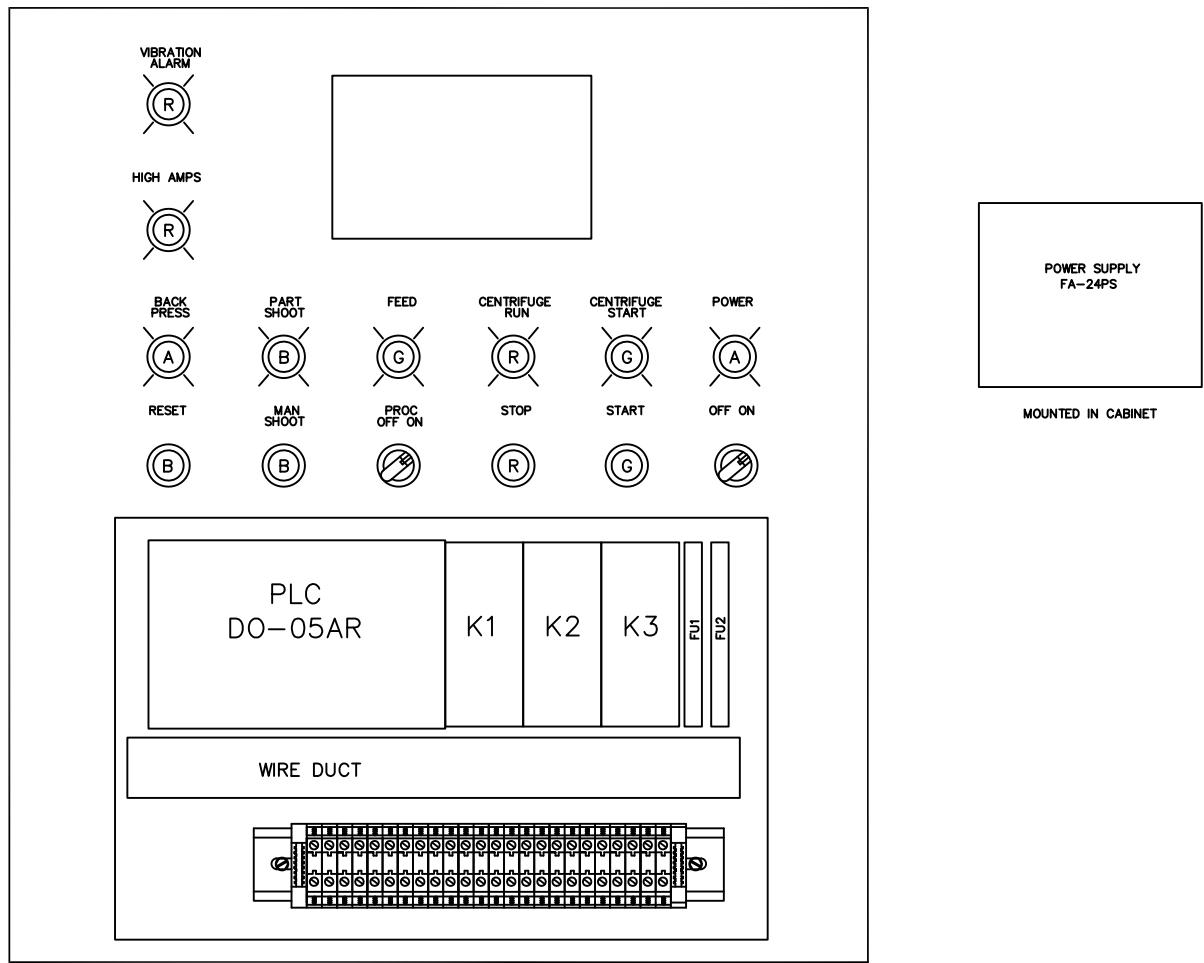


| | | | | | | |
|------------------|--|-------------------------------|---|--|---|----|
| | Drawing Title | | | | | |
| | CONTROL DIAGRAM | | | | | |
| | | | | | | |
| | | | | | | |
| DATE 12/30/03 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE | BY |
| | | | | | | |
| | Project Title OMEGA PROTEIN SLIMER CONTROL | | 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-1706 SHEET NUMBER 3 | |



VIEW OF FRONT DOOR

| | | | | | | |
|------------------|--|--|---|--|---|----|
| | Drawing Title ENCLOSURE DOOR | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| DATE 12/30/03 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE | BY |
| | Project Title OMEGA PROTEIN SLIMER CONTROL | <hr/> COX <hr/> Research and Technology, Inc. <hr/> | | P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030 | PURCHASE ORDER NUMBER DRAWING NUMBER CP-1706 SHEET NUMBER 4 | |



REAR VIEW OF DOOR

| | | | | | | |
|------------------|--|---|--|---|-----------------------------|----|
| | Drawing Title | | | | | |
| | REAR VIEW OF DOOR | | | | | |
| | | | | | | |
| | | | | | | |
| DATE 12/30/03 | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION Application Engineer R.C. | ECN DRAWN BY C. RACHAL | DATE APPROVED BY DATE | BY |
| | Project Title OMEGA PROTEIN SLIMER CONTROL | <u>COX</u> 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-1706 SHEET NUMBER 5 | | |

BILL OF MATERIALS

| ITEM | QTY | MANUFACTURER | PART NO. | DESCRIPTION |
|------|-----|--------------|-----------------|-------------------|
| 1 | 3 | AUTODIRECT | ECX1051-120 | IND LAMP RED |
| 2 | 2 | AUTODIRECT | ECX1052-120 | IND LAMP GREEN |
| 3 | 2 | AUTODIRECT | ECX1053-120 | IND LAMP YELLOW |
| 4 | 1 | AUTODIRECT | ECX1054-120 | IND LAMP BLUE |
| 5 | 2 | AUTODIRECT | GCX1300 | 2 POS SW |
| 6 | 1 | AUTODIRECT | ECX1030-5 | NC CONTACT |
| 7 | 1 | AUTODIRECT | DO-05AR | CPU |
| 8 | 1 | AUTODIRECT | FO-04AD-1 | ANALOG INPUT |
| 9 | 1 | AUTODIRECT | OP-413 | SETPOINT DISPLAY |
| 10 | 1 | AUTODIRECT | OP-2CBL-2 | CABLE ASSY |
| 11 | 1 | AUTODIRECT | OP-PS400 | POWER SUPPLY OPT. |
| 12 | 1 | AUTODIRECT | FA24PS | 24V POWER |
| 13 | 1 | CR MAGNETICS | CR4220-5 | 0-5a = 4/20ma |
| 14 | 1 | AUTODIRECT | GCX1101 | PUSH BUTTON RED |
| 15 | 1 | AUTODIRECT | GCX1102 | PUSH BUTTON GREEN |
| 16 | 2 | AUTODIRECT | GCX1100 | PUSH BUTTON BLACK |
| 17 | 25 | WIELAND | 57.504.0055.0 | TERMINALS |
| 18 | 1 | WIELAND | 07.311.0155.0 | END COVER |
| 19 | 2 | WIELAND | 57.904.5355.0 | FUSE BLOCKS |
| 20 | 1 | ABB | 98.300.1000.0 | DIN RAIL |
| 21 | 2 | ACI | SCUSL | END BLOCK |
| 22 | 1 | ABB | 05143 | 1X1 W/COVER 6' |
| 23 | 3 | IDEC | RH2BUAC120V | 2 POLE RELAY |
| 24 | 3 | IDEC | SH2B05 | 2 POLE RELAY BASE |
| 25 | 14 | BAYOU IND. | | NAME PLATES |
| 25 | 1 | LEADING EDGE | 14 1/2"X18 1/4" | DOOR ASSEMBLY |
| 26 | | | | |

| | | | | | | | |
|------------------|--|--------------------------------------|-------------------------------|--|--|---|------------------------|
| | Drawing Title BILL OF MATERIALS | | | | | | |
| | | REFERENCE DRAWING S/N | NO. Sales Engineer C.C. | REVISION-LOCATION DRAWN BY C. RACHAL | ECN | DATE | BY APPROVED DATE |
| DATE 12/29/03 | | Application Engineer R.C. | | | | | |
| | Project Title OMEGA PROTEIN SLIMER CONTROL | 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-1706 SHEET NUMBER 6 | |