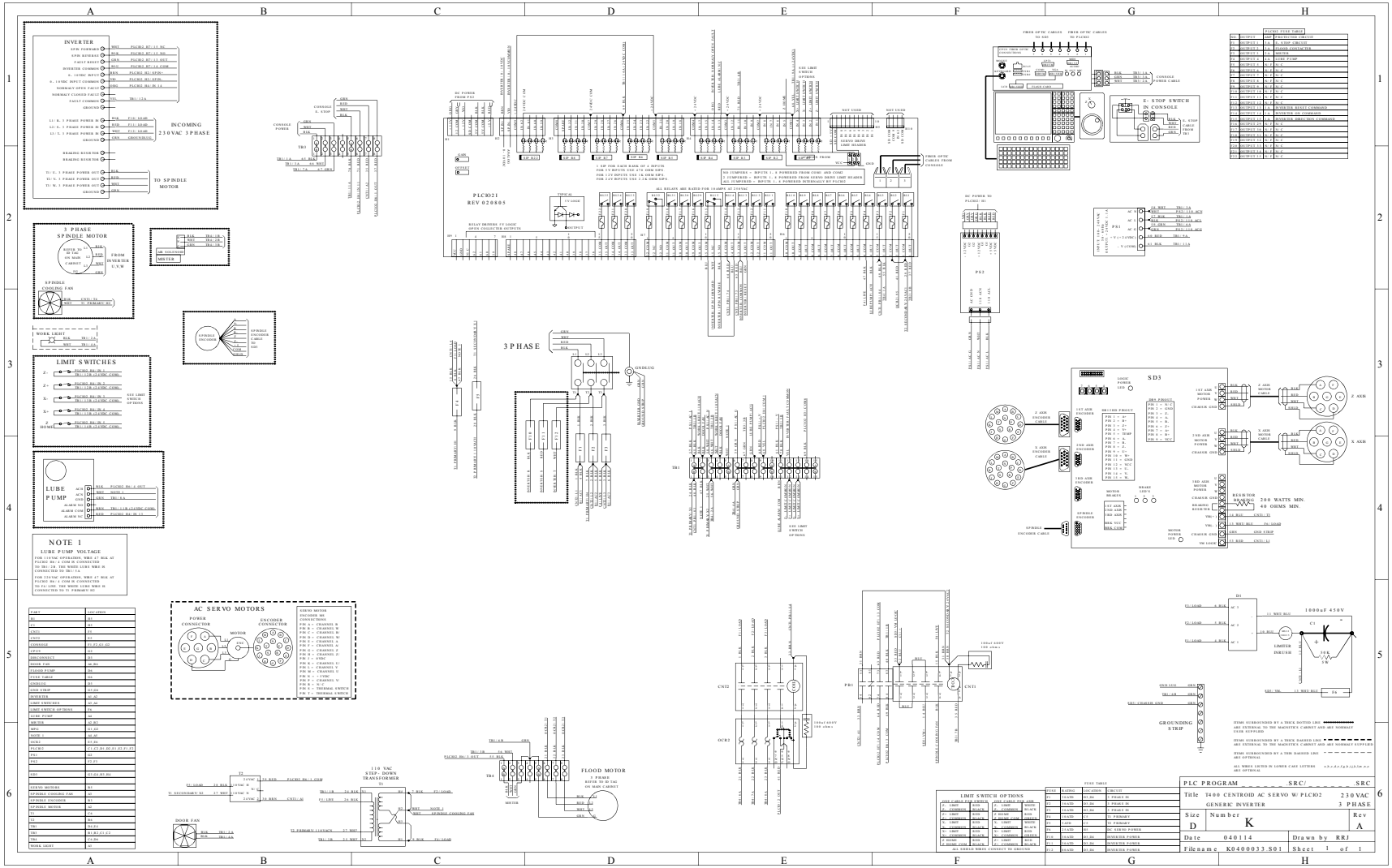
INVERTER
INCOMING 230VAC 3PHASE
TO SPINDLE MOTOR
3 PHASE SPINDLE MOTOR
FROM INVERTER U/V/W
SPINDLE COOLING FAN
WORK LIGHT
LIMIT SWITCHES
LUBE PUMP
NOTE 1
LUBE PUMP VOLTAGE
FOR 110 VAC OPERATION, WIRE 47 BLK AT PAC002 BK/ 4 CONNECTED TO TB1/ 2 & THE WHITE WIRE H CONNECTED TO TB1/ 1A
FOR 230 VAC OPERATION, WIRE 47 BLK AT PAC002 BK/ 4 COM H CONNECTED TO TB1/ 1NU THE WHITE LUBE WIRE H CONNECTED TO T1 PRIMARY H2
AC SERVO MOTORS
POWER CONNECTOR
ENCODER CONNECTOR
MOTOR
LEESE MOTOR ENCODER MS CONNECTIONS
PIN A = CHANNEL A
PIN B = CHANNEL /A
PIN C = CHANNEL B
PIN D = CHANNEL /B
PIN E = CHANNEL C
PIN F = CHANNEL /C
PIN G = CHANNEL Z
PIN H = CHANNEL /Z
PIN J = +5VDC
PIN K = CHANNEL U
PIN L = CHANNEL V
PIN M = CHANNEL U
PIN N = CHANNEL /U
PIN P = CHANNEL /V
PIN R = N.C
PIN S = THERMAL SWITCH
PIN T = THERMAL SWITCH
110 VAC STEP - DOWN TRANSFORMER
T1
T2
DOOR FAN
FLOOD MOTOR
3 PHASE REFER TO SCHE ON MAIN CABINET
PLC021 REV 020805
RELAY DRIVERS 5V LOGIC OPTOS COLLECTOR OUTPUTS
SW1 SETTINGS
ALL RELAYS ARE RATED FOR 15AMPS AT 250VAC
3 DIP FOR EACH BANK OF 8 INPUTS FOR 5 INPUTS USE 270 OHM RPS FOR 12 INPUTS USE 1.2 K OHM RPS FOR 24 INPUTS USE 2.2 K OHM RPS
NO JUMPERS = INPUTS 1, 8 POWERED FROM COM1 AND COM2
2 JUMPERED = INPUTS 1, 8 POWERED FROM 5VDC VIA LIMIT HEADER
ALL JUMPERED = INPUTS 1, 8 POWERED INTERNALLY BY PAC002
SSI LIMIT SWITCH OPTIONS
NOT USED
LIMIT HEADER
FIBER OPTIC CABLES TO/FROM CONSOLE
FIBER OPTIC CABLES TO XSC
FIBER OPTIC CABLES TO PAC002
CONSOLE POWER CABLE
E- STOP SWITCH IN CONSOLE
DC POWER TO PAC002 / H1
PS1
PS2
SD3
LOGIC POWER LED
1ST AXIS MOTOR POWER
2ND AXIS MOTOR POWER
3RD AXIS MOTOR POWER
CHARGE LED
SD3 PINOUT
1ST AXIS ENCODER
2ND AXIS ENCODER
3RD AXIS ENCODER
SPINDLE ENCODER
MOTOR SELECTS
BRAKE LEDS
SPINDLE ENCODER CABLE
Z AXIS ENCODER CABLE
X AXIS ENCODER CABLE
Z AXIS
X AXIS
RESISTOR 200 WATTS MIN 40 OHMS MIN
GROUNDING STRIP
LIMITOR INRUSH
PAC002 TEST TABLE
LIMIT SWITCH OPTIONS
FUSE TABLE
WIRE TABLE
PLC PROGRAM _____ SRC/ _____ SRC
Title T400 CENTROID AC SERVO W/ PLC002 230VAC
GENERIC INVERTER 3 PHASE
Size D
Number K
Rev A
Date 040114
Drawn by RRJ
Filename K0400033.S01
Sheet 1 of 1