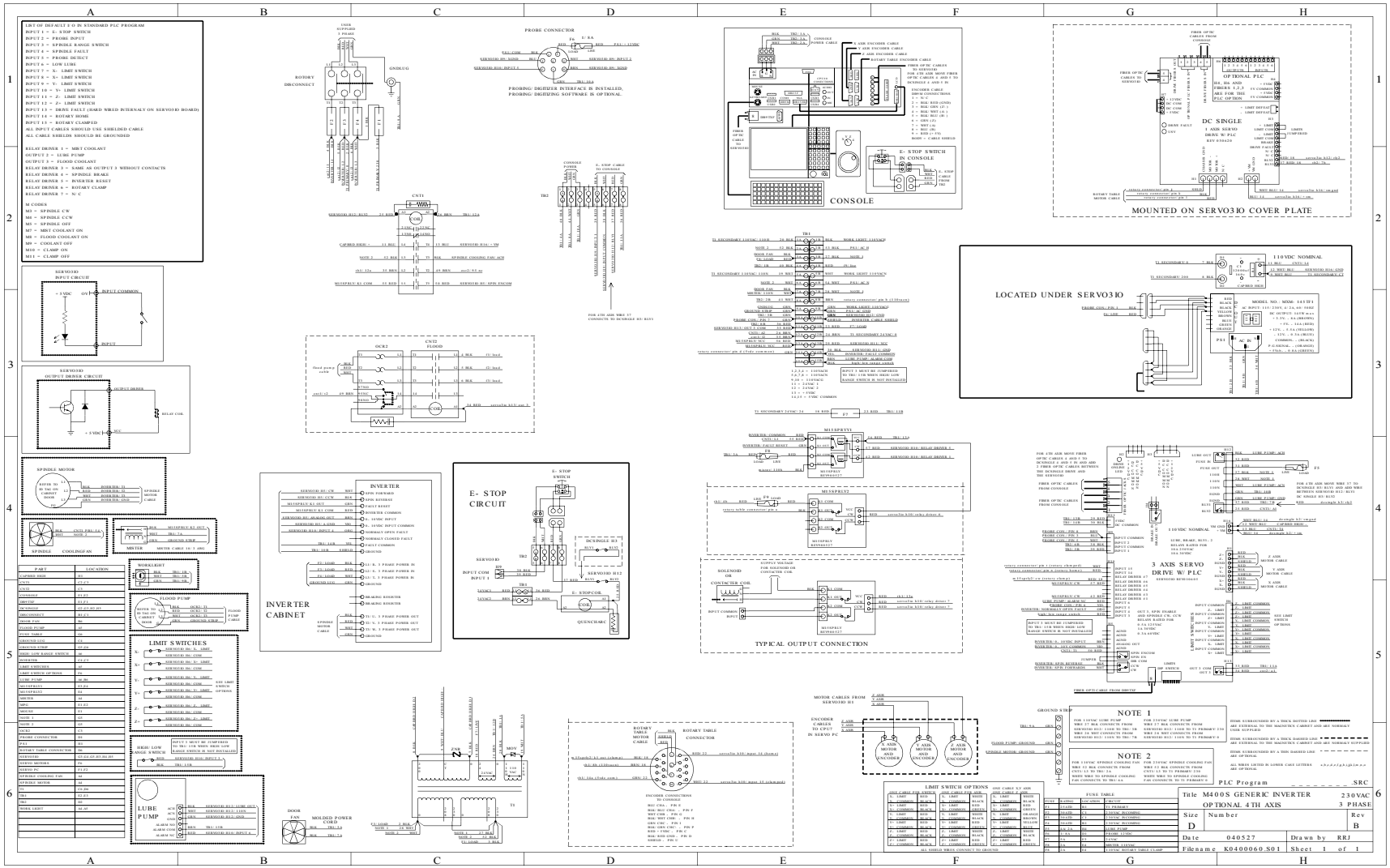
LIST OF DEFAULT I O IN STANDARD PLC PROGRAM
INPUT 1 = E- STOP SWITCH
INPUT 2 = PROBE INPUT
INPUT 3 = SPINDLE RANGE SWITCH
INPUT 4 = SPINDLE FAULT
INPUT 5 = PROBE DETECT
INPUT 6 = LOW LUBE
INPUT 7 = X- LIMIT SWITCH
INPUT 8 = X+ LIMIT SWITCH
INPUT 9 = Y- LIMIT SWITCH
INPUT 10 = Y+ LIMIT SWITCH
INPUT 11 = Z- LIMIT SWITCH
INPUT 12 = Z+ LIMIT SWITCH
INPUT 13 = DRIVE FAULT (HARD WIRED INTERNALY ON SERVO3IO BOARD)
INPUT 14 = ROTARY HOME
INPUT 15 = ROTARY CLAMPED
ALL INPUT CABLES SHOULD USE SHIELDED CABLE
ALL CABLE SHIELDS SHOULD BE GROUNDED
RELAY DRIVER 1 = MIST COOLANT
OUTPUT 2 = LUBE PUMP
OUTPUT 3 = FLOOD COOLANT
RELAY DRIVER 3 = SAME AS OUTPUT 3 WITHOUT CONTACTS
RELAY DRIVER 4 = SPINDLE BRAKE
RELAY DRIVER 5 = INVERTER RESET
RELAY DRIVER 6 = ROTARY CLAMP
RELAY DRIVER 7 = N/ C
M CODES
M3 = SPINDLE CW
M4 = SPINDLE CCW
M5 = SPINDLE OFF
M7 = MIST COOLANT ON
M8 = FLOOD COOLANT ON
M9 = COOLANT OFF
M10 = CLAMP ON
M11 = CLAMP OFF
SERVO3IO INPUT CIRCUIT
SERVO3IO OUTPUT DRIVER CIRCUIT
SPINDLE MOTOR
SPINDLE COOLINGFAN
MISTER
WORKLIGHT
FLOOD PUMP
LIMIT SWITCHES
HIGH/ LOW RANGE SWITCH
LUBE PUMP
ROTARY DISCONNECT
GNDLUG
PROBE CONNECTOR
PROBING/ DIGITIZER INTERFACE IS INSTALLED, PROBING/ DIGITIZING SOFTWARE IS OPTIONAL.
CONSOLE
E- STOP SWITCH IN CONSOLE
MOUNTED ON SERVO3IO COVER PLATE
DC SINGLE 1 AXIS SERVO DRIVE W/ PLC
LOCATED UNDER SERVO3IO
110 VDC NOMINAL
INVERTER CABINET
E- STOP CIRCUIT
TYPICAL OUTPUT CONNECTION
3 AXIS SERVO DRIVE W/ PLC
NOTE 1
NOTE 2
LIMIT SWITCH OPTIONS
FUSE TABLE
PLC Program
Title M400S GENERIC INVERTER
OPTIONAL 4TH AXIS
230VAC
3 PHASE
Size D
Number
Rev B
Date 040527
Drawn by RRJ
Filename K0400060.S01
Sheet 1 of 1