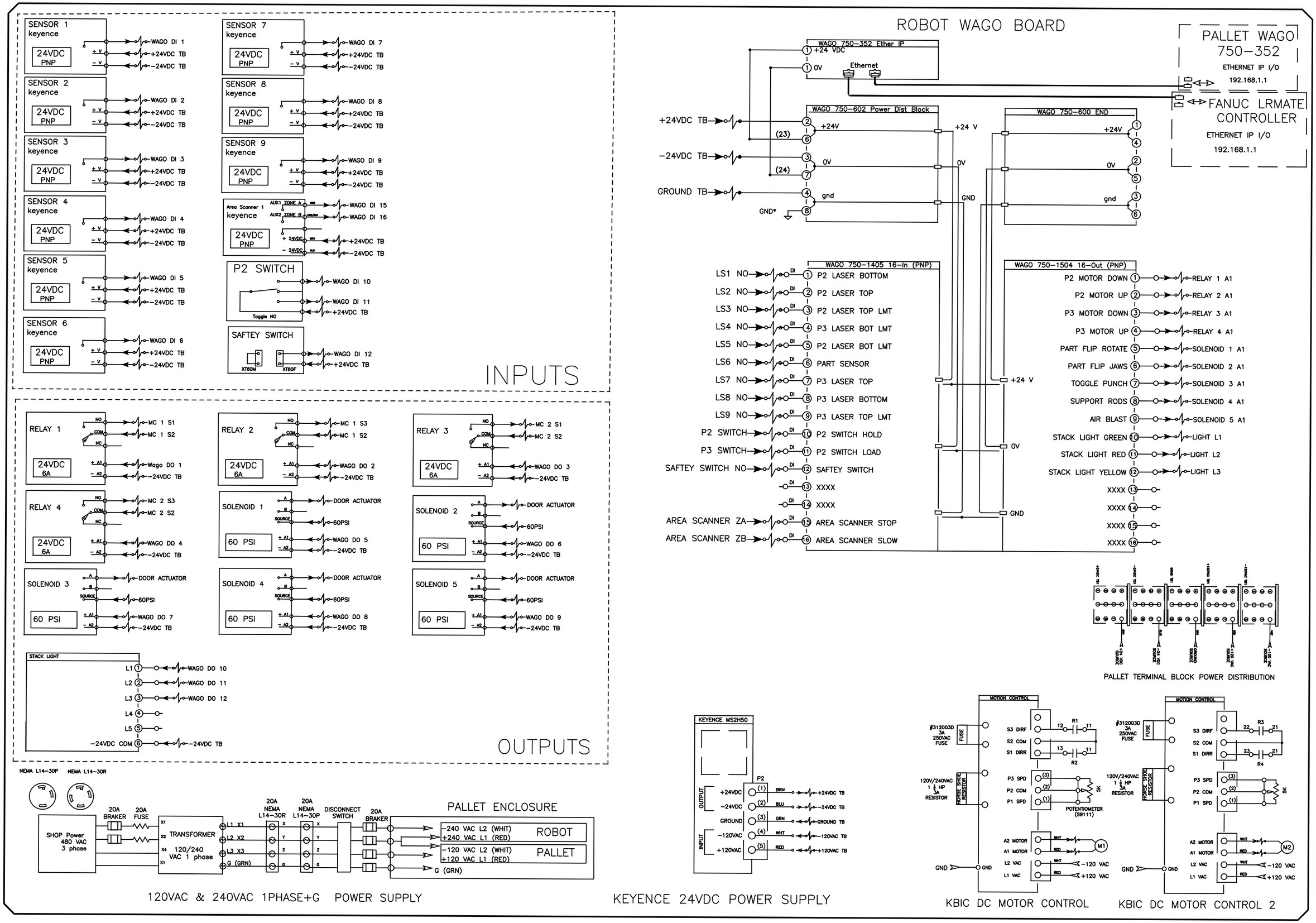
ROBOT WAGO BOARD
INPUTS
OUTPUTS
SENSOR 1 keyence
SENSOR 2 keyence
SENSOR 3 keyence
SENSOR 4 keyence
SENSOR 5 keyence
SENSOR 6 keyence
SENSOR 7 keyence
SENSOR 8 keyence
SENSOR 9 keyence
24VDC PNP
Area Scanner 1 keyence
P2 SWITCH
Toggle NO
SAFTEY SWITCH
XT60M
XT60F
WAGO DI 1
WAGO DI 2
WAGO DI 3
WAGO DI 4
WAGO DI 5
WAGO DI 6
WAGO DI 7
WAGO DI 8
WAGO DI 9
WAGO DI 10
WAGO DI 11
WAGO DI 12
WAGO DI 15
WAGO DI 16
+24VDC TB
-24VDC TB
WAGO 750-352 Ether IP
+24 VDC
0V
Ethernet
PALLET WAGO 750-352
ETHERNET IP I/O
192.168.1.1
FANUC LRMATE CONTROLLER
ETHERNET IP I/O
192.168.1.1
WAGO 750-602 Power Dist Block
+24V
0V
gnd
+24VDC TB
-24VDC TB
GROUND TB
GND*
(23)
(24)
+24 V
0V
GND
WAGO 750-600 END
WAGO 750-1405 16-In (PNP)
LS1 NO
LS2 NO
LS3 NO
LS4 NO
LS5 NO
LS6 NO
LS7 NO
LS8 NO
LS9 NO
P2 SWITCH
P3 SWITCH
SAFTEY SWITCH NO
AREA SCANNER ZA
AREA SCANNER ZB
P2 LASER BOTTOM
P2 LASER TOP
P2 LASER TOP LMT
P3 LASER BOT LMT
P2 LASER BOT LMT
PART SENSOR
P3 LASER TOP
P3 LASER BOTTOM
P3 LASER TOP LMT
P2 SWITCH HOLD
P2 SWITCH LOAD
SAFTEY SWITCH
XXXX
AREA SCANNER STOP
AREA SCANNER SLOW
WAGO 750-1504 16-Out (PNP)
P2 MOTOR DOWN
P2 MOTOR UP
P3 MOTOR DOWN
P3 MOTOR UP
PART FLIP ROTATE
PART FLIP JAWS
TOGGLE PUNCH
SUPPORT RODS
AIR BLAST
STACK LIGHT GREEN
STACK LIGHT RED
STACK LIGHT YELLOW
RELAY 1 A1
RELAY 2 A1
RELAY 3 A1
RELAY 4 A1
SOLENOID 1 A1
SOLENOID 2 A1
SOLENOID 3 A1
SOLENOID 4 A1
SOLENOID 5 A1
LIGHT L1
LIGHT L2
LIGHT L3
PALLET TERMINAL BLOCK POWER DISTRIBUTION
RELAY 1
RELAY 2
RELAY 3
RELAY 4
24VDC 6A
MC 1 S1
MC 1 S2
MC 1 S3
MC 2 S1
MC 2 S2
MC 2 S3
Wago DO 1
WAGO DO 2
WAGO DO 3
WAGO DO 4
WAGO DO 5
WAGO DO 6
WAGO DO 7
WAGO DO 8
WAGO DO 9
-24VDC TB
SOLENOID 1
SOLENOID 2
SOLENOID 3
SOLENOID 4
SOLENOID 5
60 PSI
DOOR ACTUATOR
STACK LIGHT
L1
L2
L3
L4
L5
-24VDC COM
WAGO DO 10
WAGO DO 11
WAGO DO 12
NEMA L14-30P
NEMA L14-30R
SHOP Power 480 VAC 3 phase
20A BRAKER
20A FUSE
TRANSFORMER
120/240 VAC 1 phase
L1 X1
L2 X2
L3 X3
G (GRN)
20A NEMA L14-30R
20A NEMA L14-30P
DISCONNECT SWITCH
20A BRAKER
PALLET ENCLOSURE
-240 VAC L2 (WHIT)
+240 VAC L1 (RED)
ROBOT
-120 VAC L2 (WHIT)
+120 VAC L1 (RED)
PALLET
G (GRN)
120VAC & 240VAC 1PHASE+G POWER SUPPLY
KEYENCE MS2H50
OUTPUT
INPUT
+24VDC
-24VDC
GROUND
-120VAC
+120VAC
BRN
BLU
GRN
WHT
RED
KEYENCE 24VDC POWER SUPPLY
MOTION CONTROL
#312003D 3A 250VAC FUSE
FUSE
120V/240VAC 1 1/2 HP 3A RESISTOR
HORSE SHOE RESISTOR
S3 DIRF
S2 COM
S1 DIRR
P3 SPD
P2 COM
P1 SPD
POTENTIOMETER (S9111)
A2 MOTOR
A1 MOTOR
L2 VAC
L1 VAC
-120 VAC
+120 VAC
GND
M1
M2
KBIC DC MOTOR CONTROL
KBIC DC MOTOR CONTROL 2
RBC
Industrial Tectonics Bearings
Automation - Electrical
RWD51A0046 MORI 51-46
Pallet Wire Diagram
NO. DATE REVISION BY
DWG TITLE
TITLE#1
TITLE#2
TITLE#3
TITLE#4
ENGINEER JENKINS,M
CHECKED BY CHKDBY
JOB NO JOB#
DRAWN BY JENKINS,M
SCALE SCALE
DATE 11/26/2018
DWG NO DWG#
SHEET NO SH# OF SHTS
WD TB