
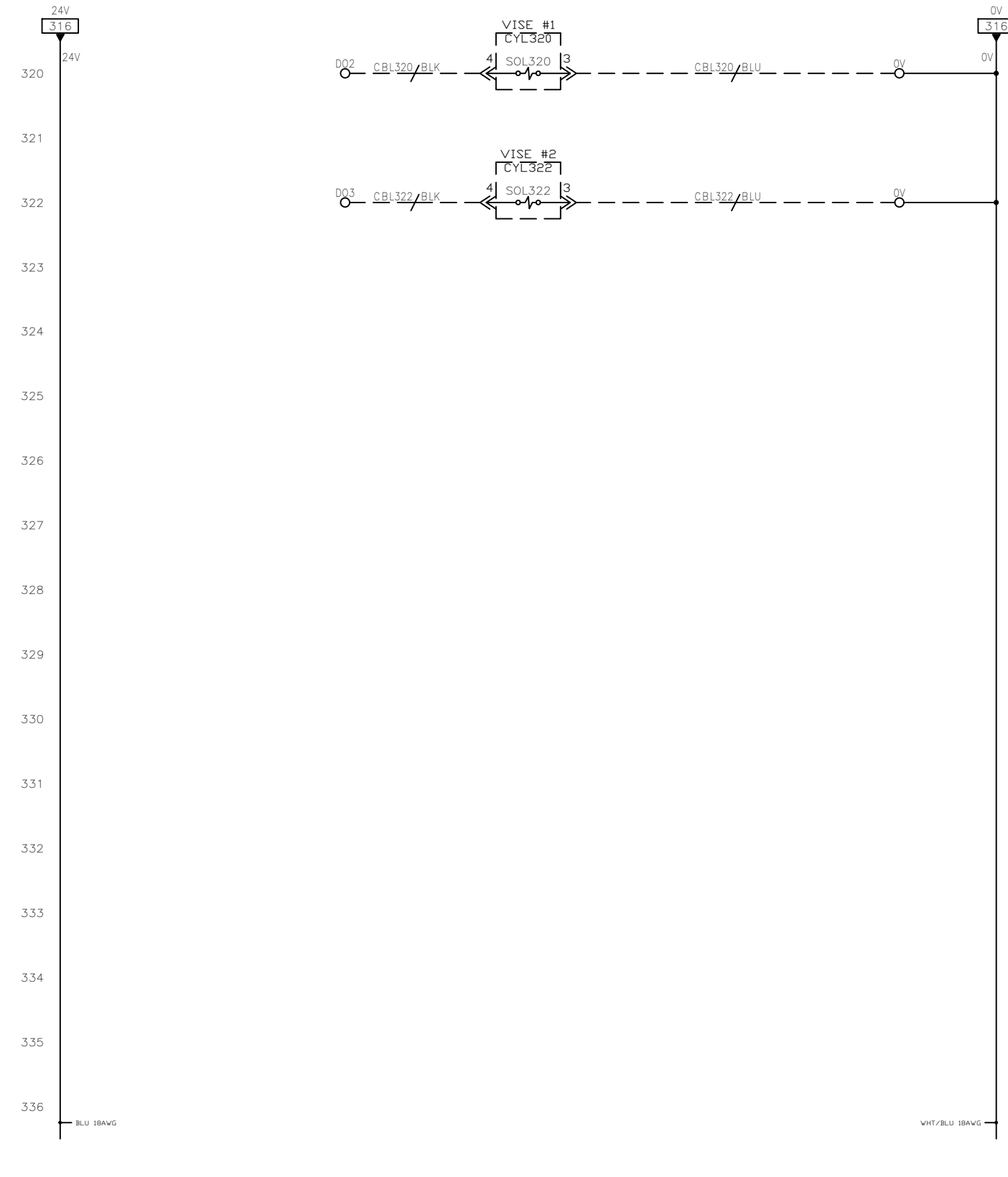
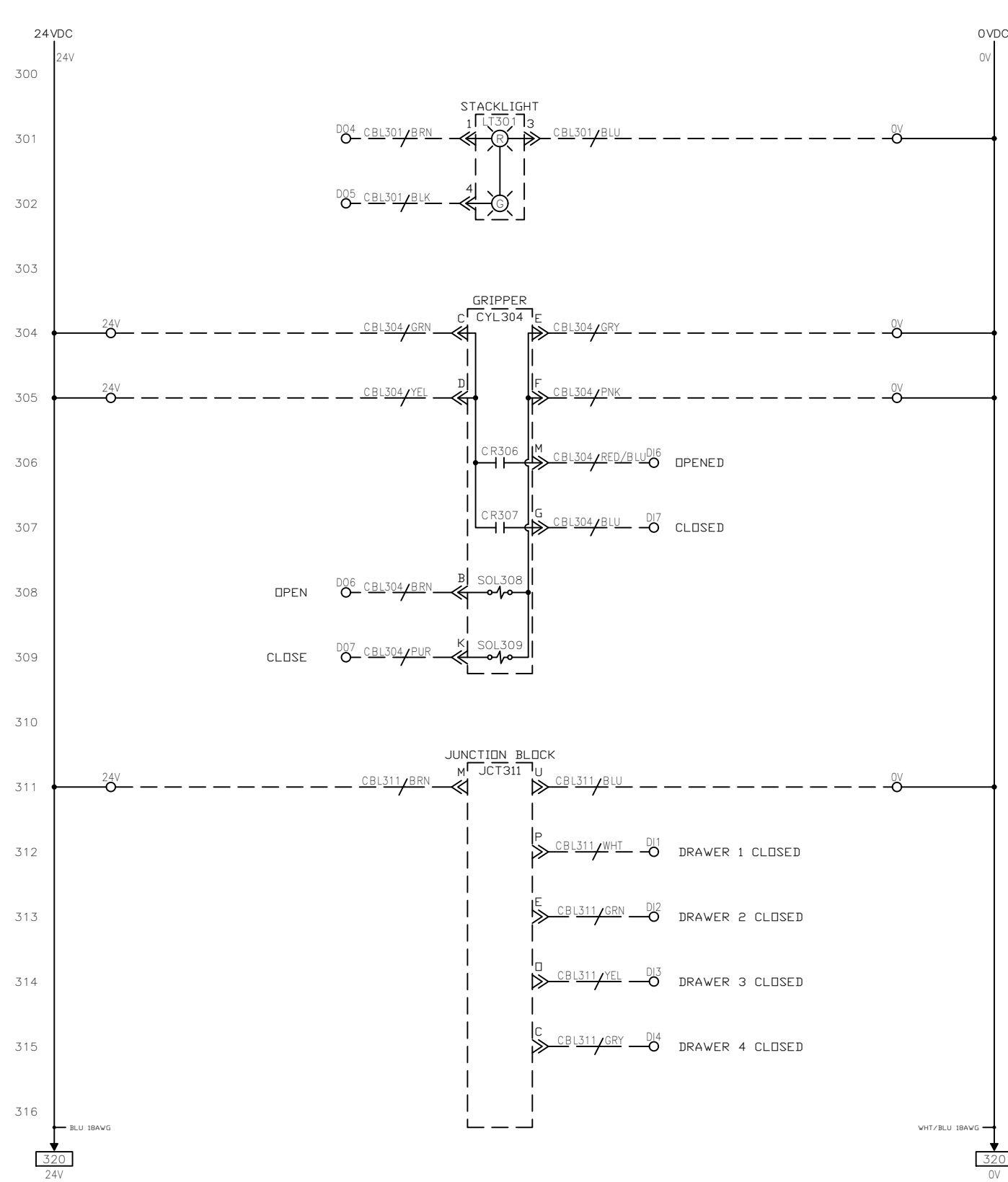


NOTE: SEE SHEET 03 FOR DETAILED I/O BREAKOUT ENCLOSURE WIRE CONNECTIONS


SYSTEM LAYOUT

 READY Robotics 1080 Steelwood Rd. Columbus, OH 43212	SIZE	DWG. NO.	REV
	B	R-101229-E01	-
DRAWN T. HAYDEN	SCALE N/A	SHEET 02 OF 05	



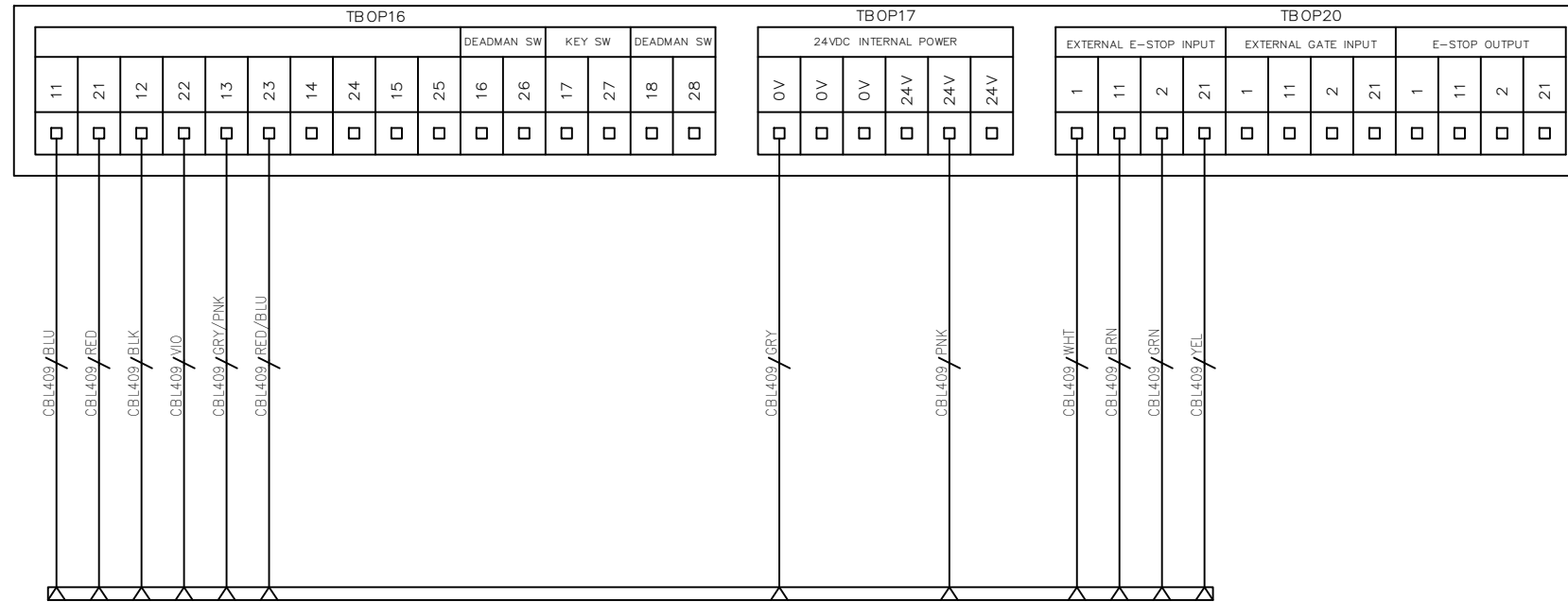
NOTE: ALL 24VDC WIRES ARE BLU 18AWG AND ALL 0VDC WIRES ARE WHT/BLU 18AWG UNLESS OTHERWISE STATED

I/O BREAKOUT ENCLOSURE


 READY Robotics 1080 Steelwood Rd. Columbus, OH 43212	SIZE	DWG. NO.	REV
	B	R-101229-E01	-
DRAWN T. HAYDEN	SCALE N/A	SHEET 03 OF 05	

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FANUC 404




R-30iB MATE PLUS ROBOT SAFETY CONNECTIONS

 READY Robotics 1080 Steelwood Rd. Columbus, OH 43212	SIZE	DO NOT SCALE DRAWING	DWG. NO.	REV
	B		R-101229-E01	-
DRAWN T. HAYDEN		SCALE N/A	SHEET 04 OF 05	
ISSUED				

BILL OF MATERIALS			
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	CONTROLLER, FORGE, 120VAC, 16DIO	READY ROBOTICS R-100144
2	1	PENDANT, FORGE	READY ROBOTICS R-101078
3	1	EXPANSION, BREAKOUT, BOARD, I/O, 24VDC	READY ROBOTICS R-101080
4	1	CABLE, CORDSET, RJ45, 5M	TURCK RJ45S-RJ45S 441-5M
5	1	ROBOT, KIT, CONTROLLER, 1811MM, 20KG	FANUC M-20iA
6			
7	1	SENSOR, DIFFUSED, 12MM, 24VDC, PNP	BALLUFF BOS01WP
8	1	CABLE, CORDSET, M12, 5 PIN, 5M	BALLUFF BCC09H3
9			
10	1	PNEUMATIC, VALVE BLOCK, 4 PORT	SCHUNK 0310072
11	2	SWITCH, REED, M8, 24VDC, PNP	SCHUNK MMS 22-S-M8-PNP
12			
13	1	LIGHT, STACK, M12, 24VDC, GRN - RED	BANNER TL50GRQ
14	1	CABLE, PATCHCORD, M12, 4 PIN, FEMALE, 9M	BANNER MQDC-430
15			
16	1	JUNCTION BOX, PICOFAST, M8, 3 PIN, 8 PORT, PNP	TURCK VB 803M-PX9-BS14
17	1	CABLE, PATCHCORD, VERSAFEST, M16, 14PIN, FEMALE, 10M	TURCK BKM 14-836-10
18			
19	0	PNEUMATIC, SOLENOID VALVE, 2 POSITION, SPRING RETURN	FESTO VUVG-LK14-M52-AT-G18-1R8L-S
20	2	CABLE, PATCHCORD, M8, 3 PIN, FEMALE, 5M	PHOENIX CONTACT 1669628
21			
22	1	PENDANT JUNCTION BOX	READY ROBOTICS R-101084
23	1	CABLE, PATCHCORD, M12, 12 PIN, FEMALE, 5M	PHOENIX CONTACT 1554872
24			
25	0	SWITCH, SAFETY, GATE INTERLOCK	SIEMENS 3SE5 312 1SG11
26	33'	CABLE, PATCHCORD, 18C, 24AWG, O.D. 10.41MM	IGUS CF130-02-018-UL

G:\Shared drives\Team - Integrations\11 - Internal Projects\R-101229_ACE Mill\R-101229-E01\Turn-key\M20iA ACE Mill\R-101229-E01-05.dwg, Model, 7/14/2020 12:57:42 PM, travis.hayden

BILL OF MATERIALS

	READY Robotics 1080 Steelwood Rd. Columbus, OH 43212	SIZE	DO NOT SCALE DRAWING	DWG. NO.	REV
	DRAWN T. HAYDEN	B		R-101229-E01	-
ISSUED	SCALE N/A	SHEET 05 OF 05			