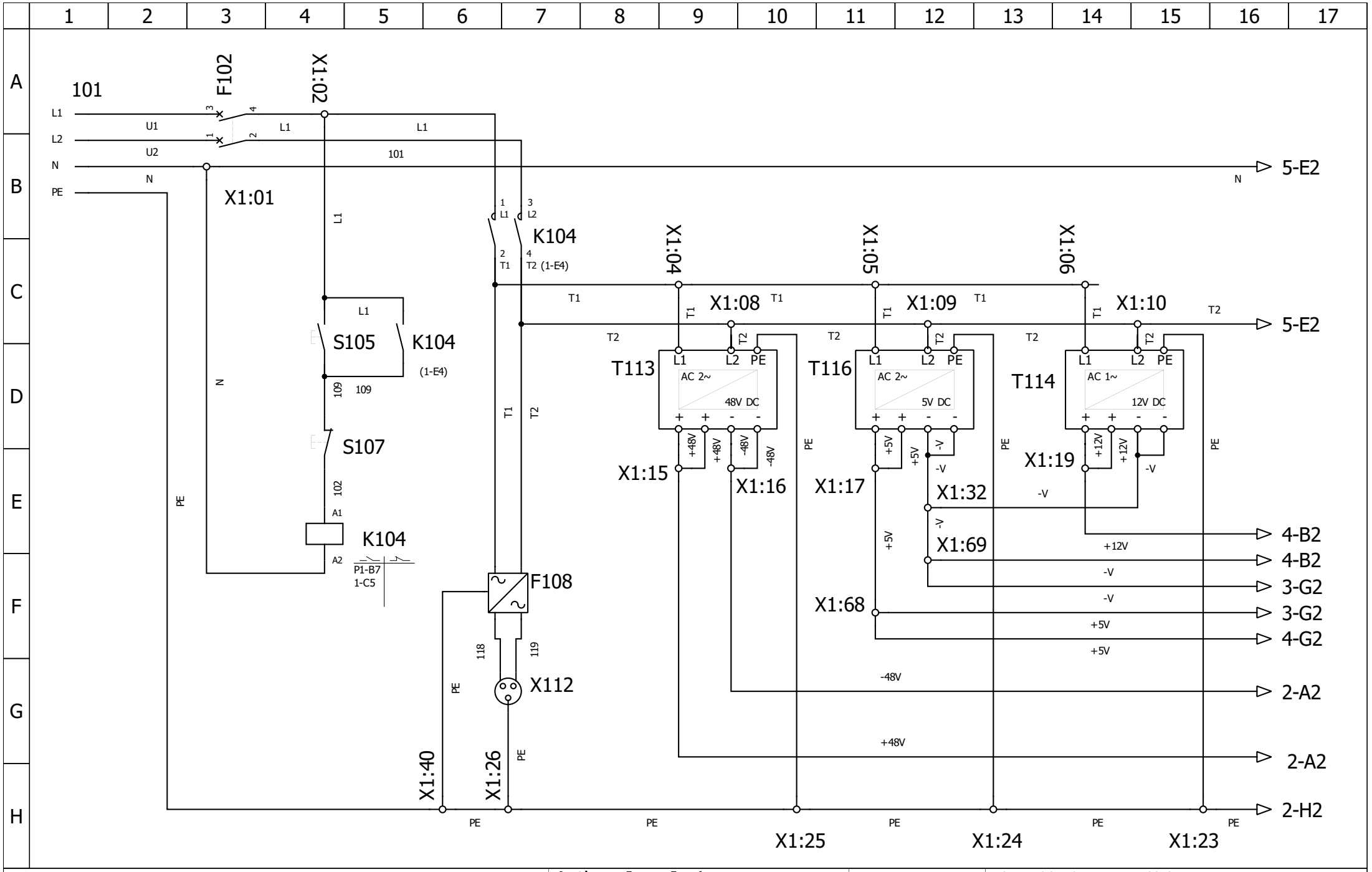
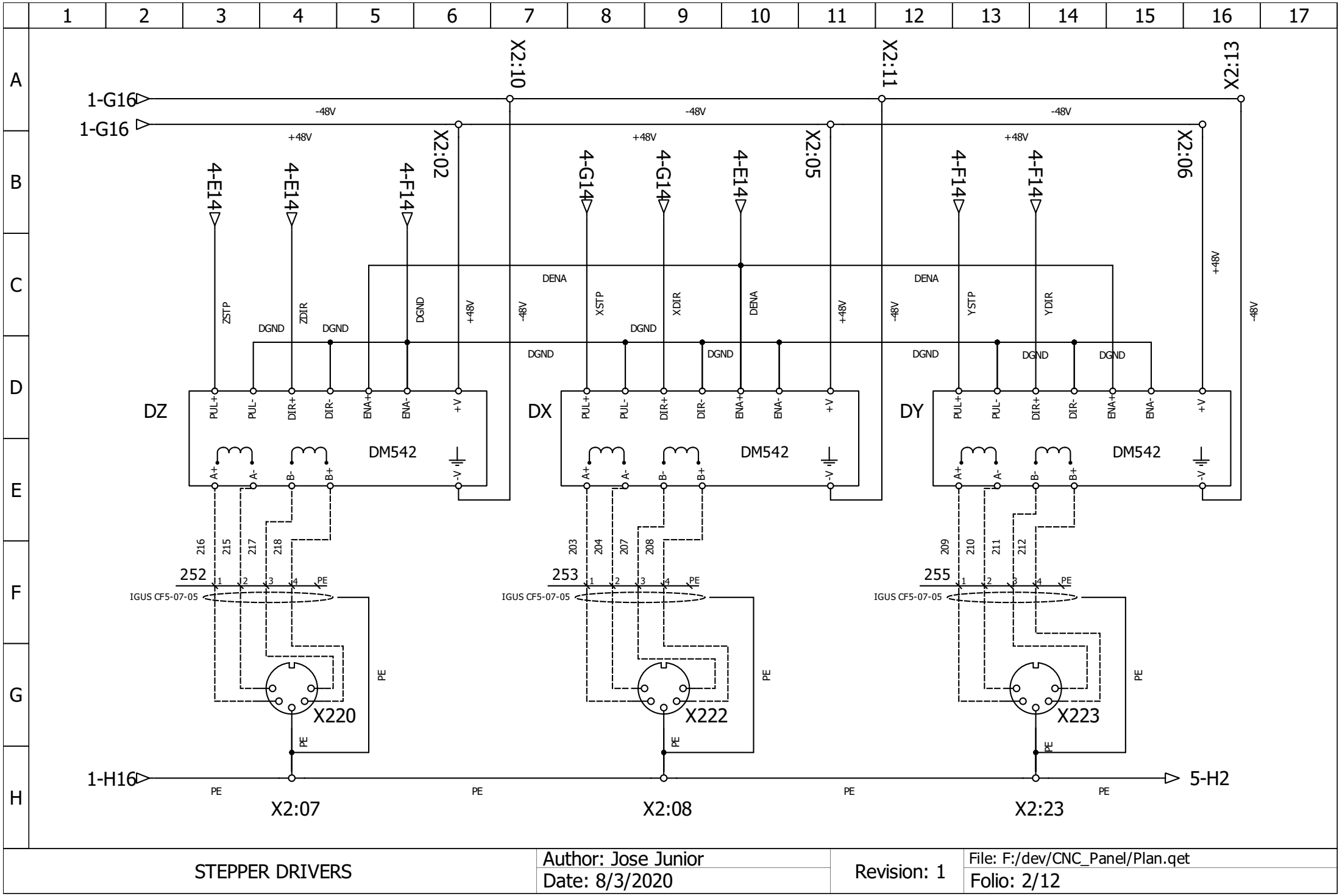
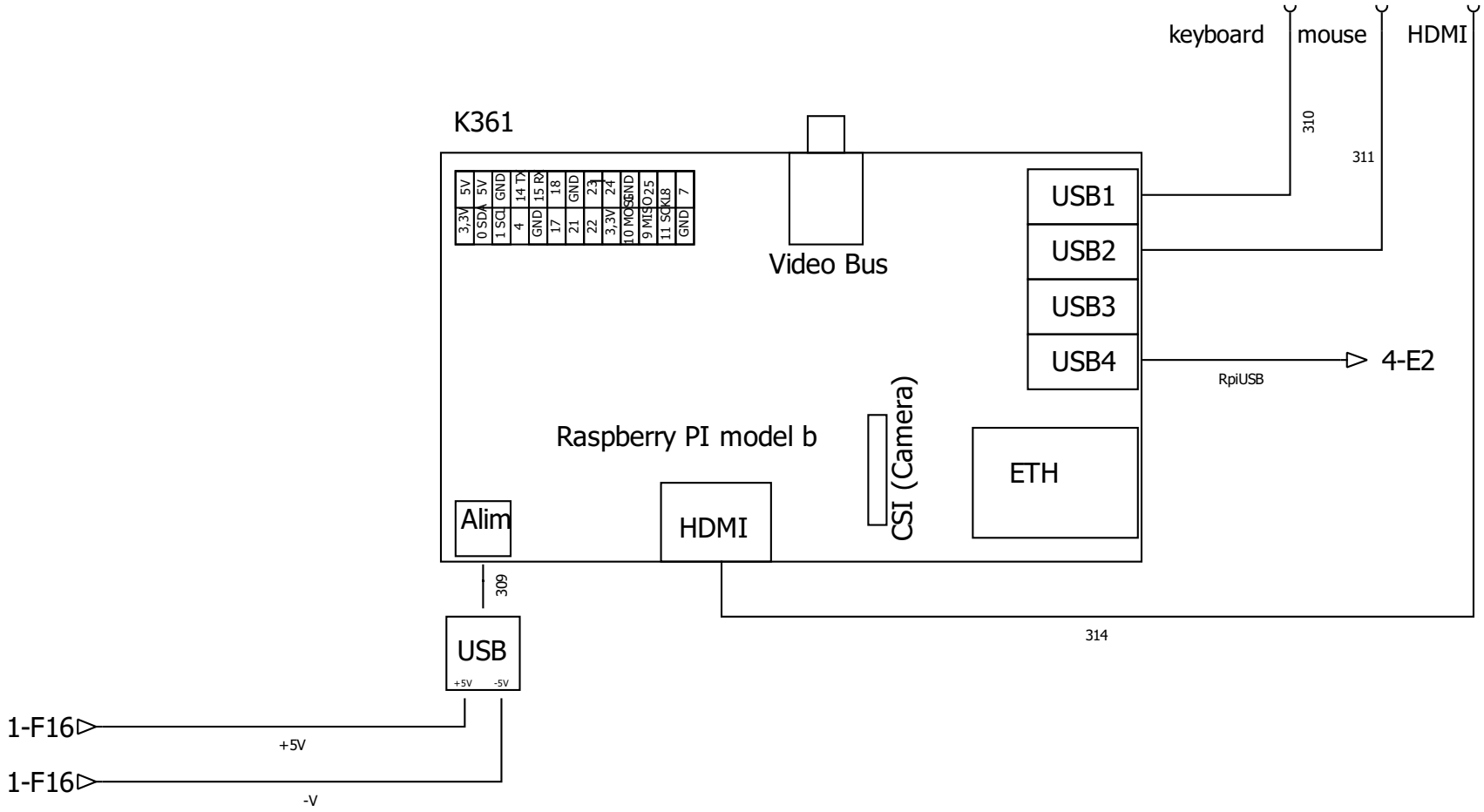


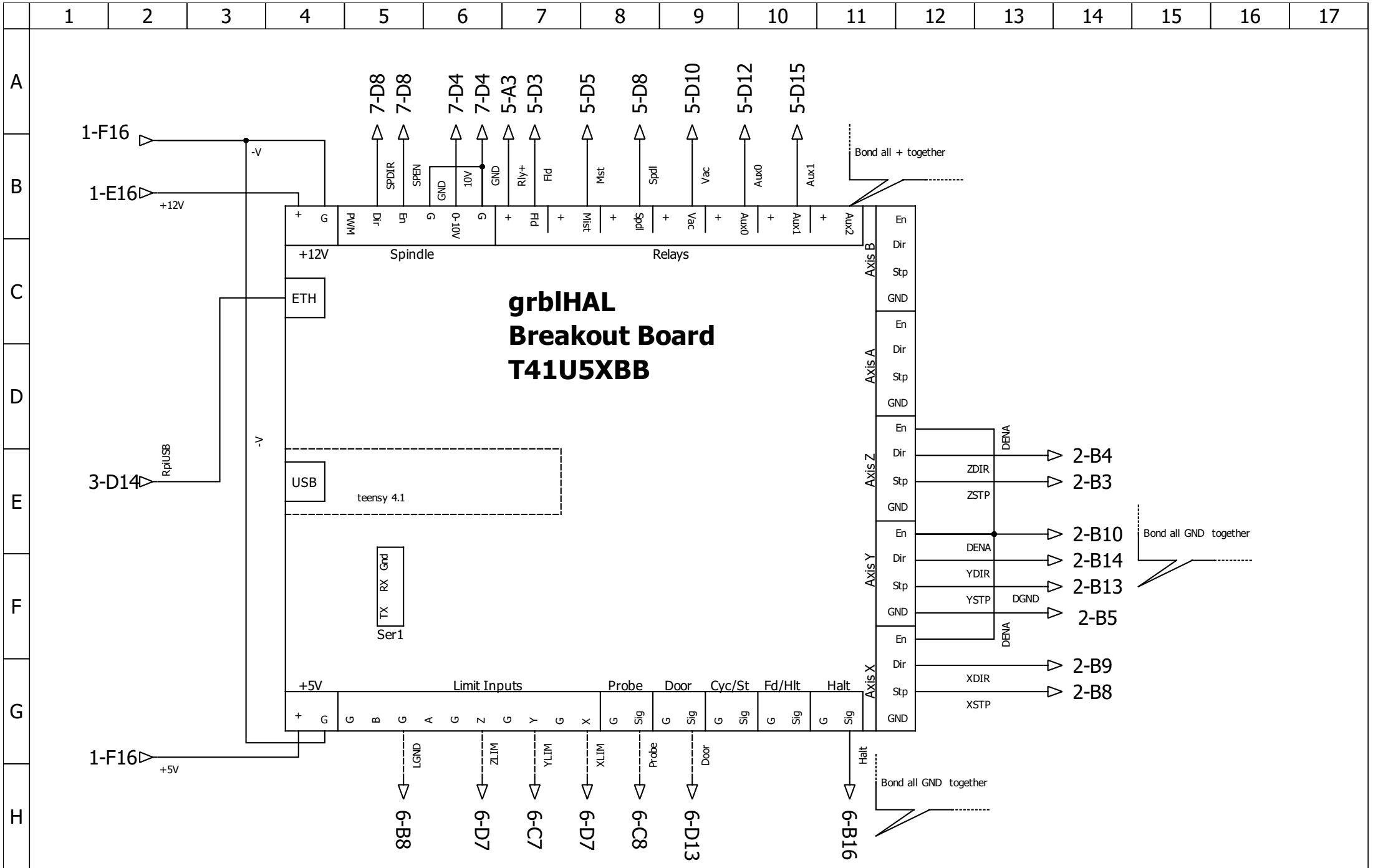
POWER	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 1/12



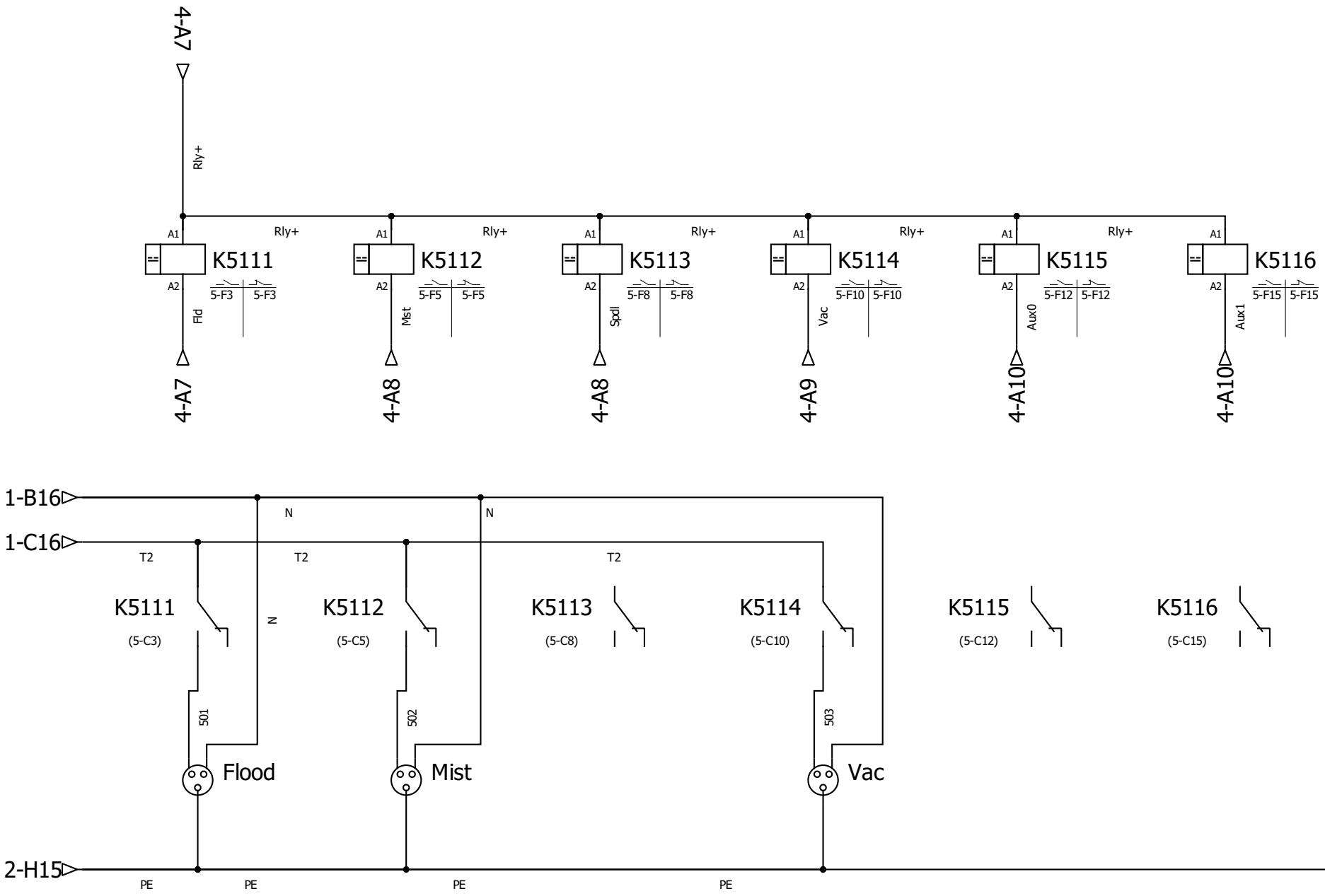
STEPPER DRIVERS	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 2/12



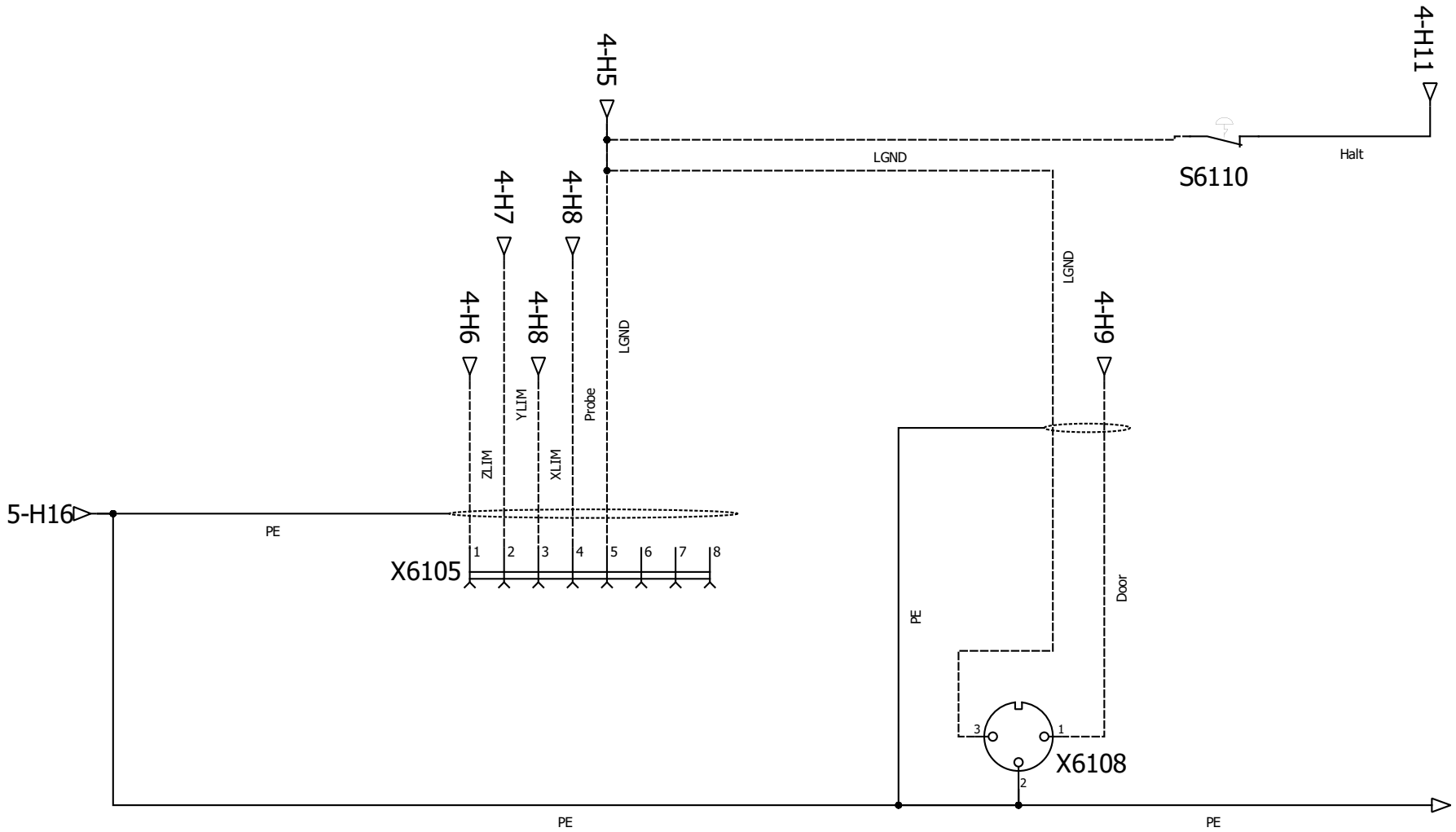
RASPBERRY PI	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 3/12



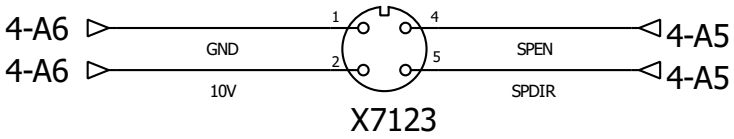
BREAKOUT BOARD	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 4/12



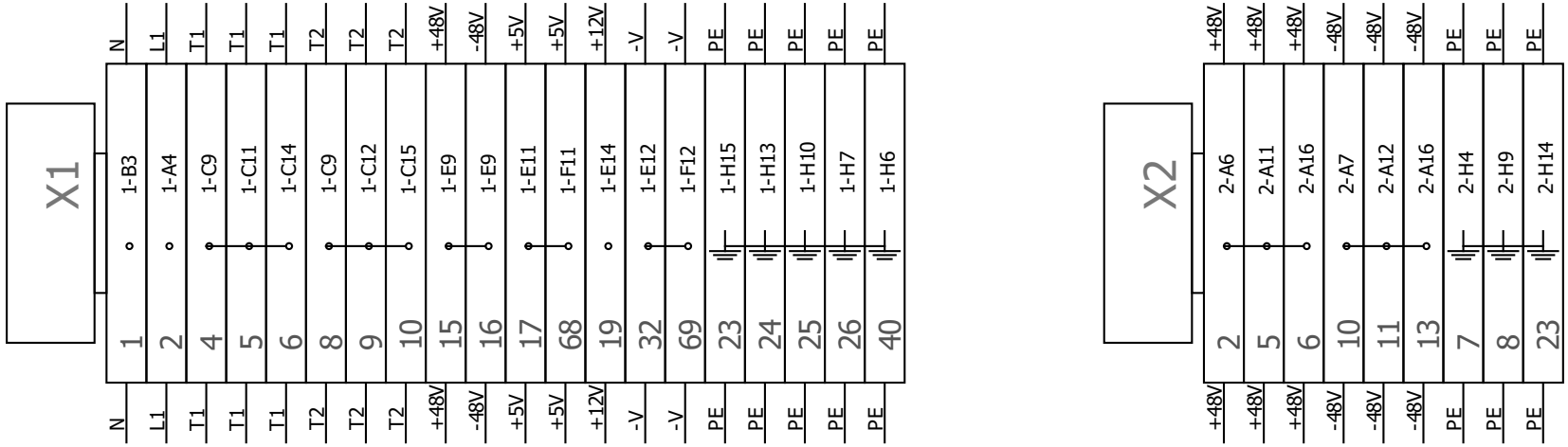
RELAY BOARD	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 5/12



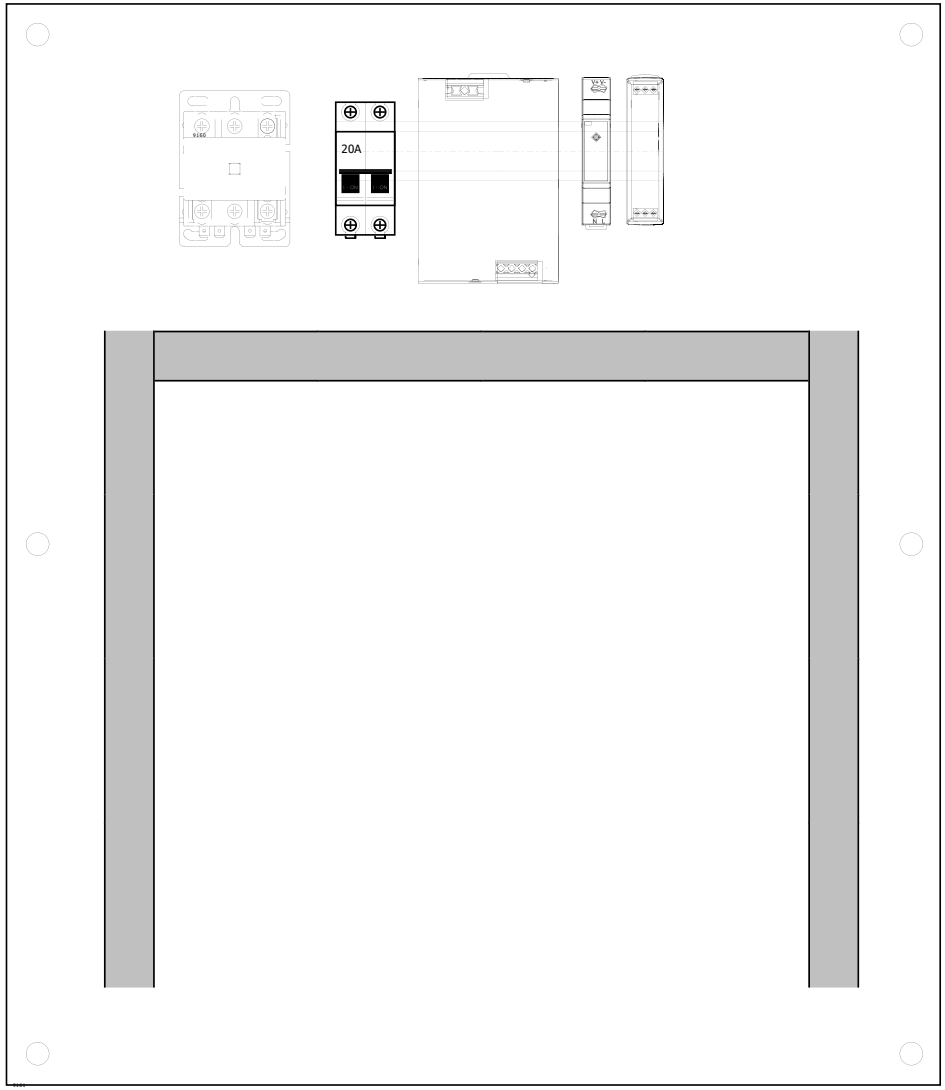
LIMIT SWITCHES / BUTTONS	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 6/12



VFD Connection	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 7/12



TERMINAL BLOCKS	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 8/12



PANEL DRAFT	Author: Jose Junior Date: 8/3/2020	Revision: 1	File: F:/dev/CNC_Panel/Plan.qet Folio: 9/12

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A																	
B																	
C																	
D																	
E																	
F																	
G																	
H																	

Title	Author	Folio	Revision index	Location
POWER	Jose Junior	1/12	1	Main Panel
STEPPER DRIVERS	Jose Junior	2/12	1	Main Panel
RASPBERRY PI	Jose Junior	3/12	1	Main Panel
BREAKOUT BOARD	Jose Junior	4/12	1	Main Panel
RELAY BOARD	Jose Junior	5/12	1	Main Panel
LIMIT SWITCHES / BUTTONS	Jose Junior	6/12	1	Main Panel
VFD Connection	Jose Junior	7/12	1	Main Panel
TERMINAL BLOCKS	Jose Junior	8/12	1	Main Panel
PANEL DRAFT	Jose Junior	9/12	1	Main Panel
SUMMARY	Jose Junior	10/12	1	
COMPONENTS	Jose Junior	11/12	1	
COMPONENTS	Jose Junior	12/12	1	

Label	Manufacturer	Article number	Function	Title	Folio	Position
252	IGUS	CF5-07-05	Shielded stepper driver cable	STEPPER DRIVERS	2/12	F3
253	IGUS	CF5-07-05	Shielded stepper driver cable	STEPPER DRIVERS	2/12	F8
255	IGUS	CF5-07-05	Shielded stepper driver cable	STEPPER DRIVERS	2/12	F13
6109			Shielded cable	LIMIT SWITCHES / BUTTONS	6/12	D13
DX	Zyltech	DM542	Stepper Driver	STEPPER DRIVERS	2/12	D9
DY	Zyltech	DM542	Stepper Driver	STEPPER DRIVERS	2/12	D14
DZ	Zyltech	DM542	Stepper Driver	STEPPER DRIVERS	2/12	D4
F102	Eaton	FAZ-D20-2-NA-L	Input circuit breaker	POWER	1/12	A3
F108	JSYUAN	CW4L2-20A-S	EMI Filter	POWER	1/12	F7
Flood	-	-	Flood coolant outlet	RELAY BOARD	5/12	G3
HDMI	-	-	External HDMI Connector	RASPBERRY PI	3/12	B15
K104	Worldwide Electrical Corp	WDP40-3L-120	Main power contactor	POWER	1/12	E4
K361	Raspberry	Rpi 4	Computer control	RASPBERRY PI	3/12	D9
K467	grblHAL	BoB	CNC breakout board	BREAKOUT BOARD	4/12	D8
K5111	Noyito	6-channel relay module	Relay on board	RELAY BOARD	5/12	C3
K5112	Noyito	6-channel relay module	Relay on board	RELAY BOARD	5/12	C5
K5113	Noyito	6-channel relay module	Relay on board	RELAY BOARD	5/12	C8
K5114	Noyito	6-channel relay module	Relay on board	RELAY BOARD	5/12	C10
K5115	Noyito	6-channel relay module	Relay on board	RELAY BOARD	5/12	C12
K5116	Noyito	6-channel relay module	Relay on board	RELAY BOARD	5/12	C15
Mist	-	-	Mist coolant outlet	RELAY BOARD	5/12	G5

Label	Manufacturer	Article number	Function	Title	Folio	Position
S105	Pilot Devices	GCX1152	ON Button	POWER	1/12	C4
S107	Pilot Devices	GCX1152	OFF Button	POWER	1/12	D4
S6110	Pilot Devices	GCX3131	Emergency stop button	LIMIT SWITCHES / BUTTONS	6/12	B14
T113	Mean Well	NDR-480-48	Stepper motor power 48V supply	POWER	1/12	D9
T114	Mean Well	HDR-15-12	12V 15W Power Supply	POWER	1/12	D14
T116	Mean Well	MDR-20-5	5V 15W Power Supply	POWER	1/12	D11
Vac	-	-	Vacuum outlet	RELAY BOARD	5/12	G10
X112	-	-	VFD Power connector/outlet	POWER	1/12	G7
X220	-	-	Stepper Connector	STEPPER DRIVERS	2/12	G4
X222	-	-	Stepper Connector	STEPPER DRIVERS	2/12	G9
X223	-	-	Stepper Connector	STEPPER DRIVERS	2/12	G14
X6105	-	-	Shielded ethernet jack	LIMIT SWITCHES / BUTTONS	6/12	E8
X7123	-	-	VFD Connector	VFD Connection	7/12	D6
keyboard	-	-	External USB Connector	RASPBERRY PI	3/12	B13
mouse	-	-	External USB Connector	RASPBERRY PI	3/12	B14