

A	Title	Author	Folio number	Location (+)	Revision index
	SUMMARY	Jose Junior	01/12	-	2
B	TERMINAL BLOCKS	Jose Junior	010/12	Main Panel	1
	AC POWER CONTROL	Jose Junior	02/12	Main Panel	6
C	EXTRUSION PANEL	Jose Junior	03/12	Extrusion Panel/Enclosure	1
	VFD PANEL	Jose Junior	04/12	VFD Panel	6
	DC POWER	Jose Junior	05/12	Main Panel	4
D	MESA 7i96	Jose Junior	06/12	Main Panel	3
	STEPPER DRIVERS	Jose Junior	07/12	Main Panel	4
E	RELAY BOARD	Jose Junior	08/12	Main Panel	3
	LIMIT SWITCHES / BUTTONS	Jose Junior	09/12	Main Panel	5
F	COMPONENTS	Jose Junior	11/12	-	1
	COMPONENTS	Jose Junior	12/12	-	1
G					
H					

A

B

C

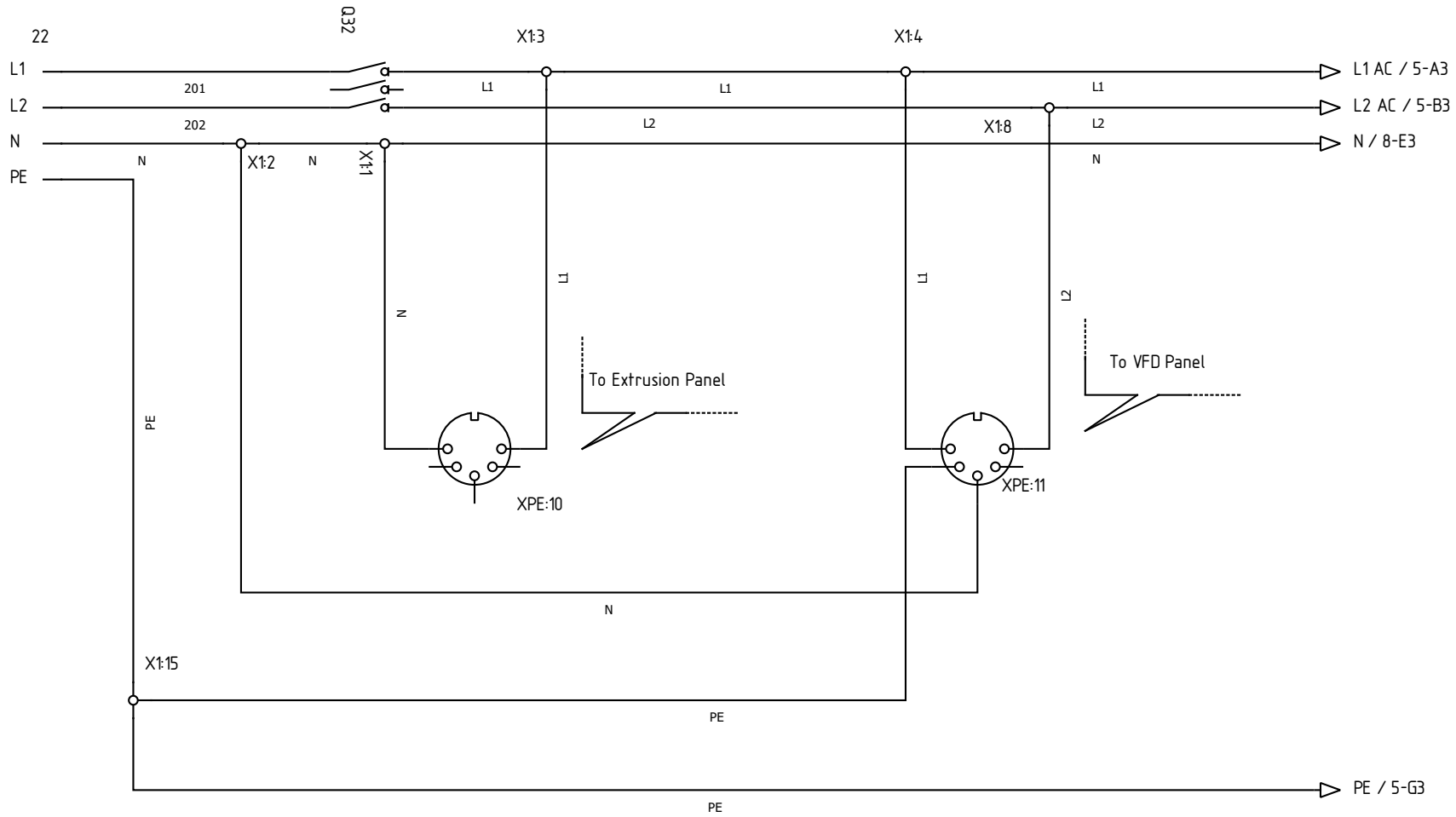
D

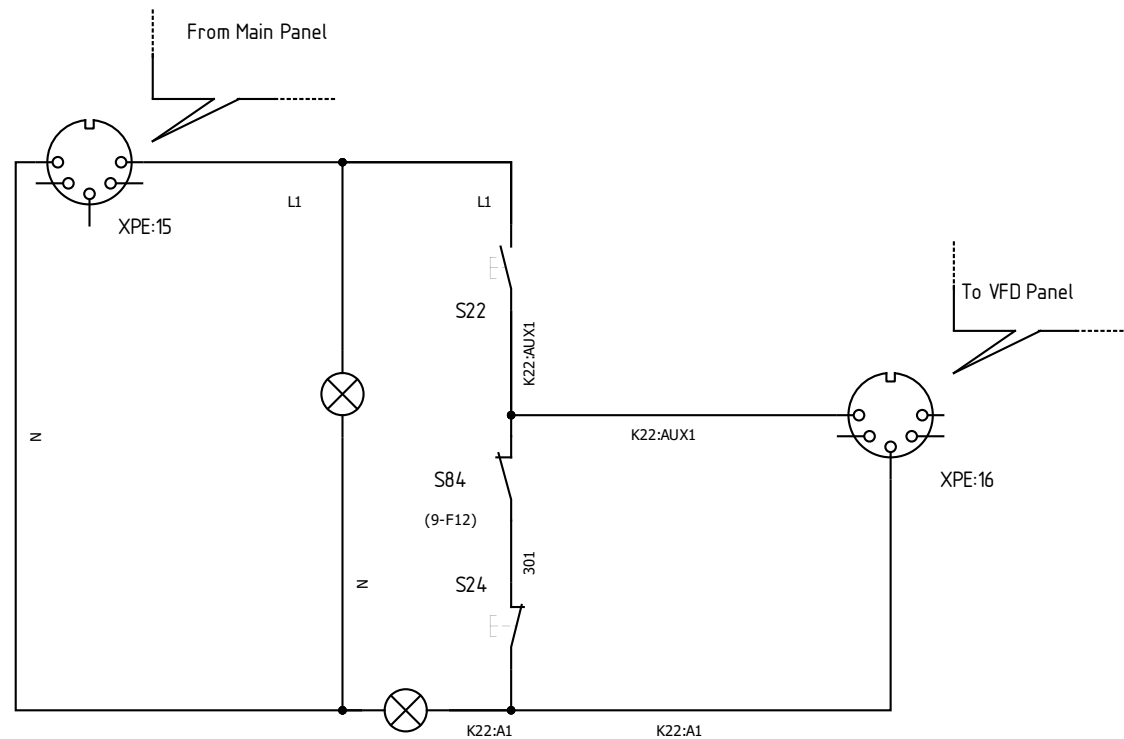
E

F

G

H





A

B

C

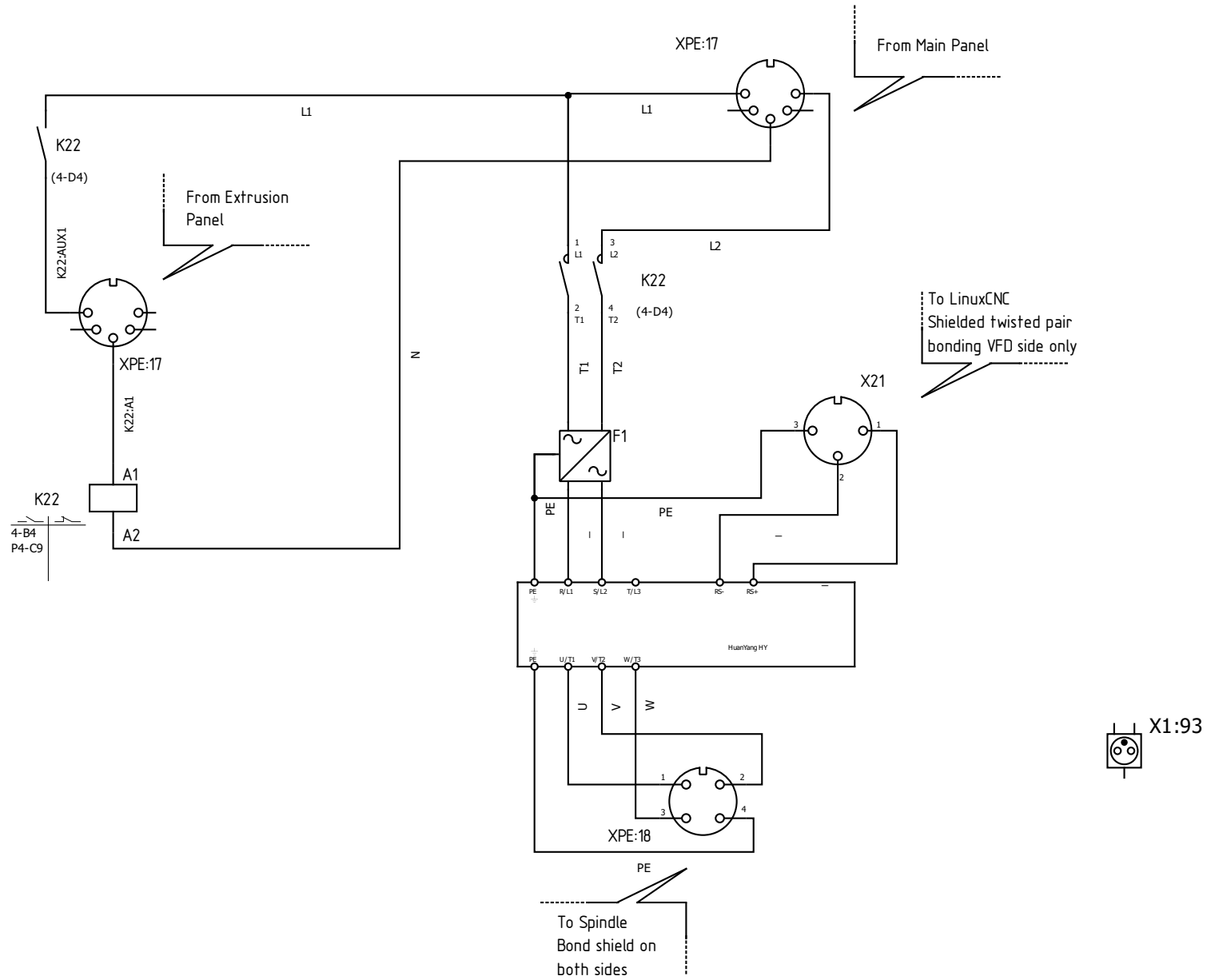
D

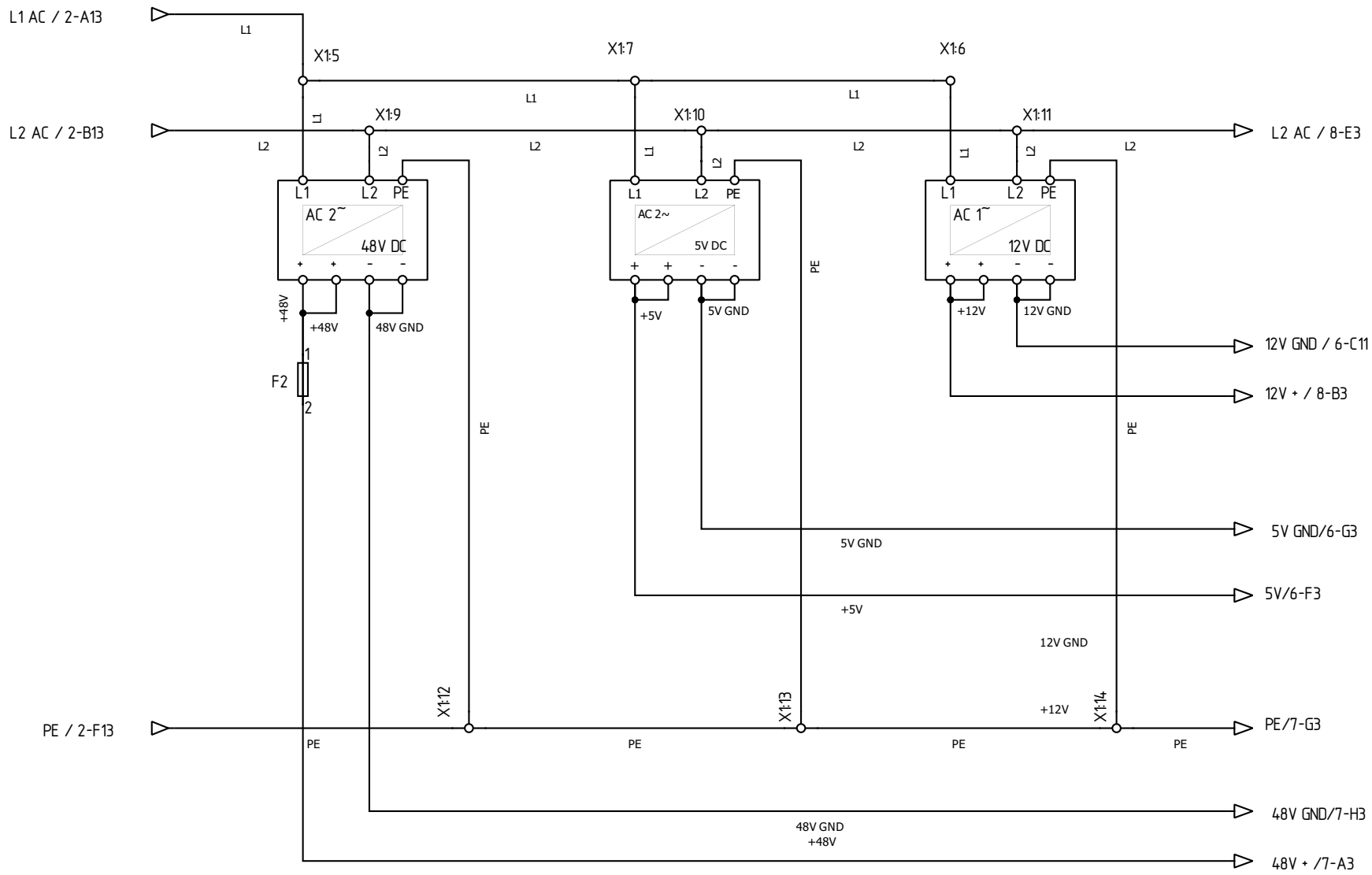
E

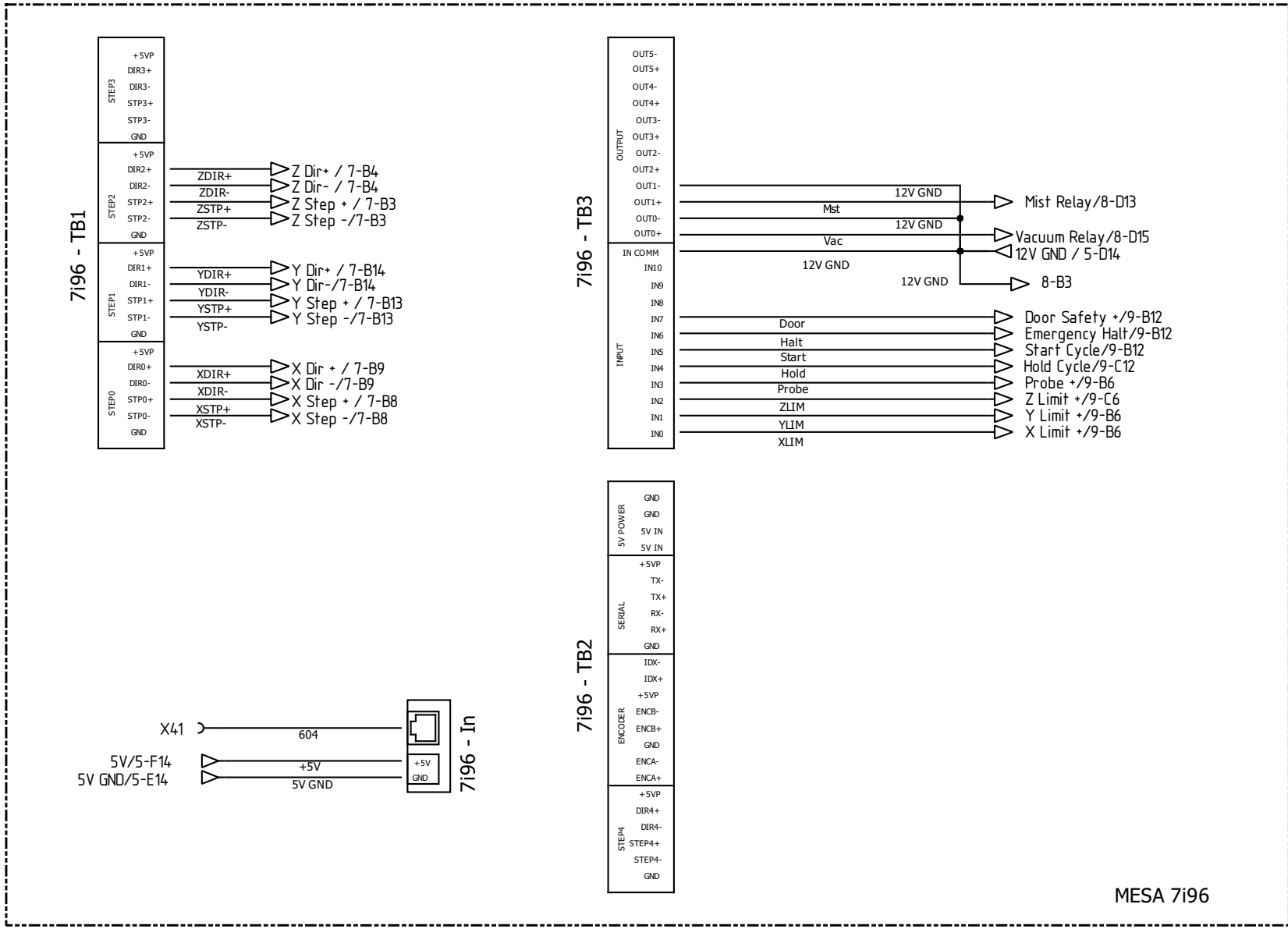
F

G

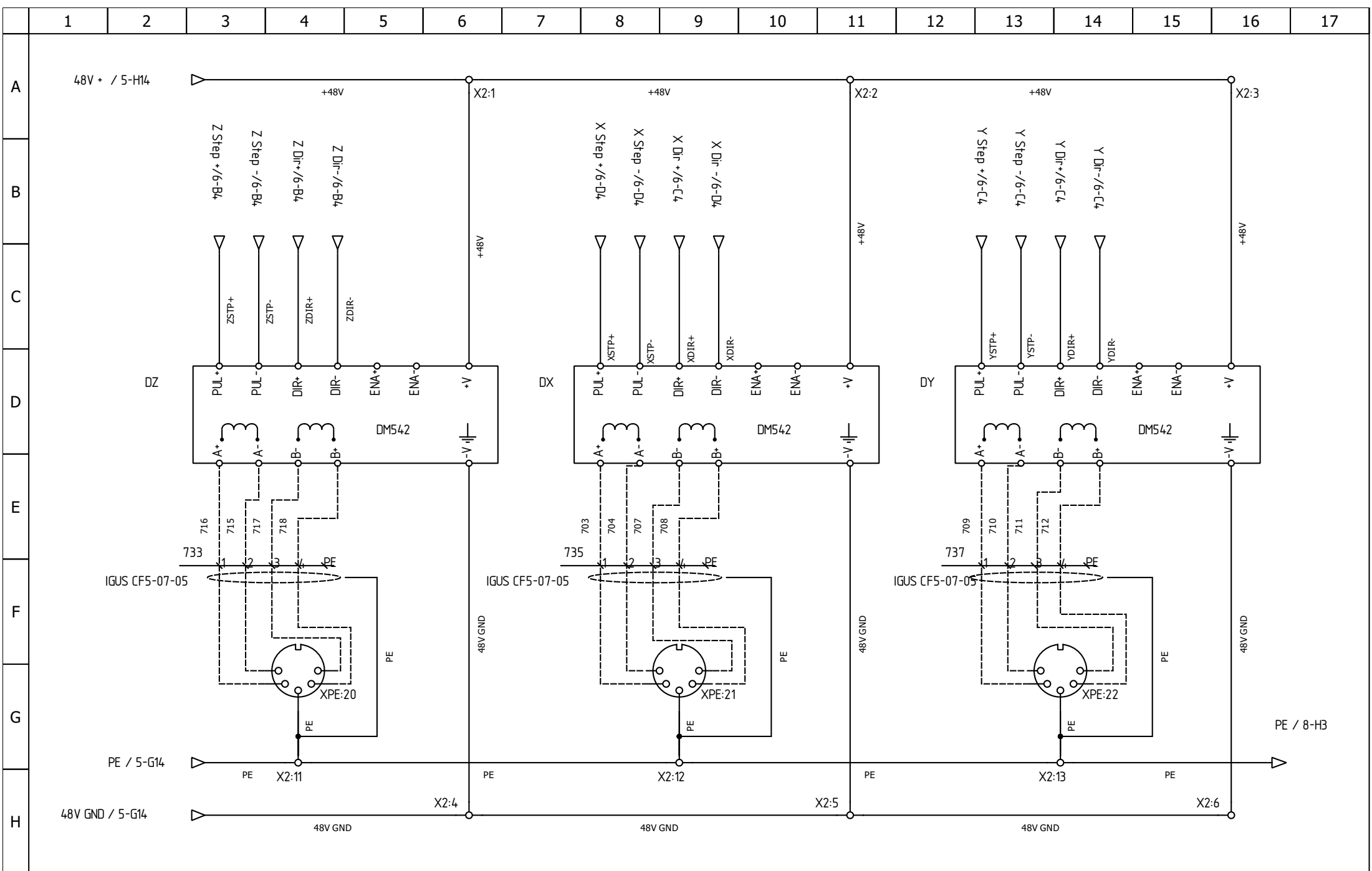
H







MESA 7196

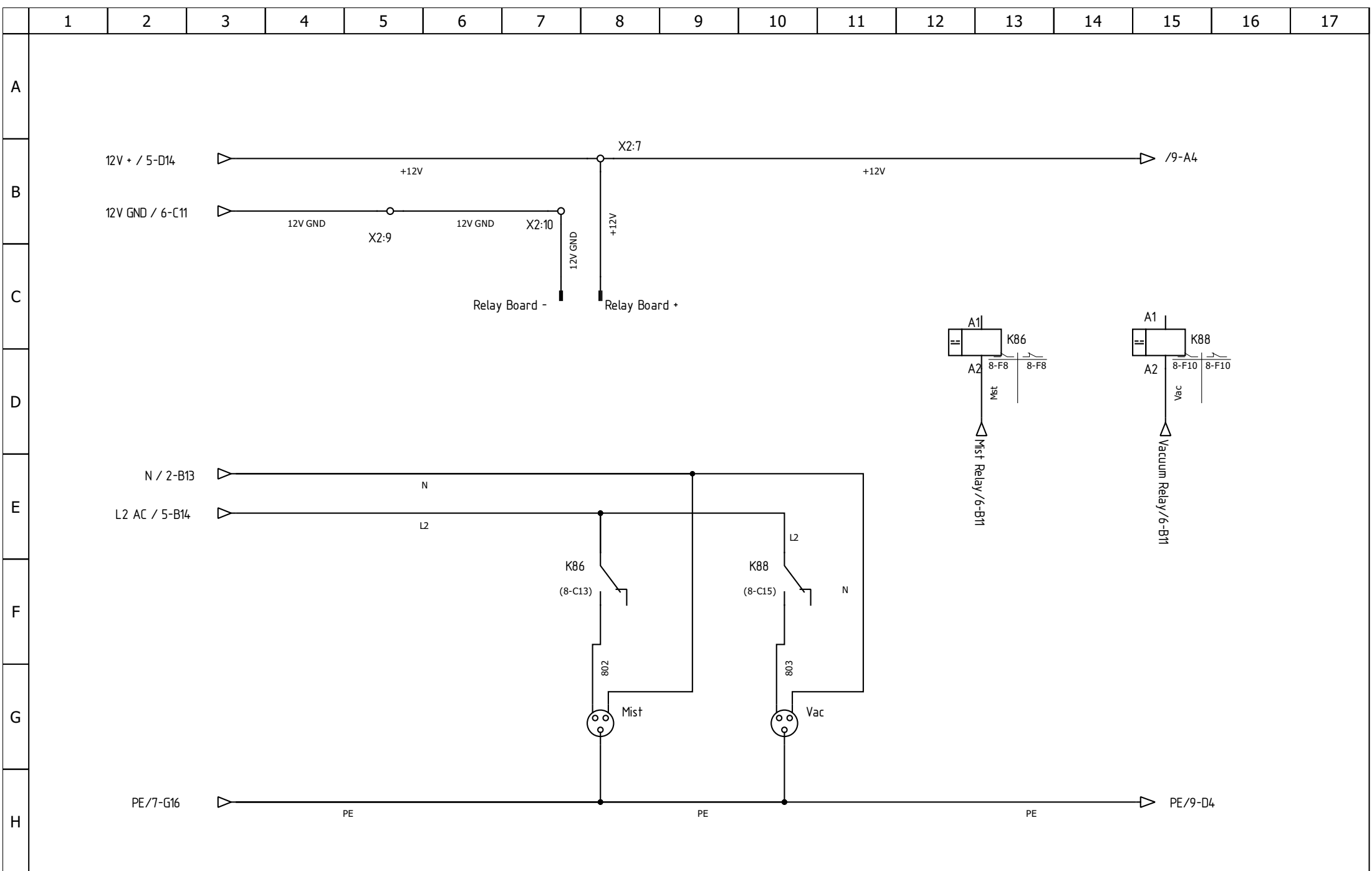


STEPPER DRIVERS

Author: Jose Junior
 Date: 2/26/2023

Revision: 4

File: E:/dev/CNC_Panel/Plan.qet
 Folio: 07/12



RELAY BOARD

Author: Jose Junior
Date: 2/26/2023

Revision: 3

File: E:/dev/CNC_Panel/Plan.qet
Folio: 08/12

A

B

C

D

E

F

G

H

12V +/-8-B15

+12V

X2:8

4k7

Pull up to make plate work

+12V

Probe + / 6-D11

X Limit + / 6-D11

Y Limit + / 6-D11

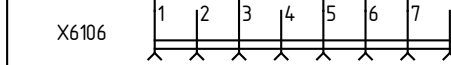
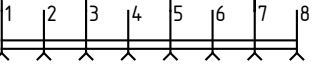
Z Limit + / 6-D11

Door Safety + / 6-C11

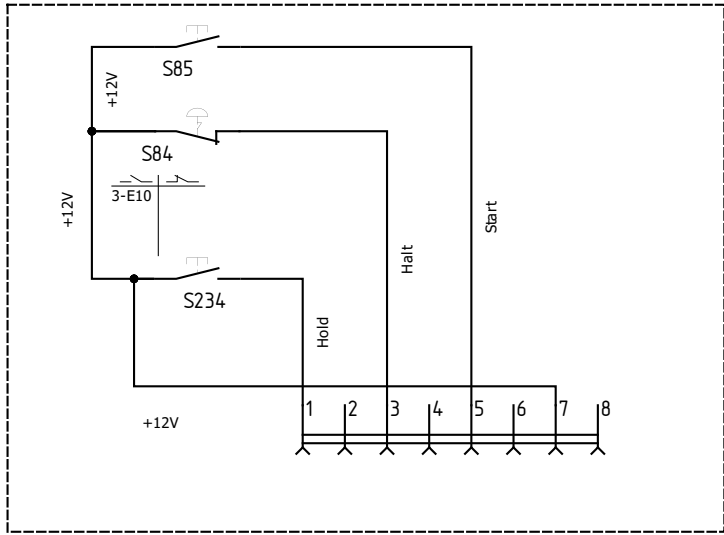
Start Cycle / 6-C11

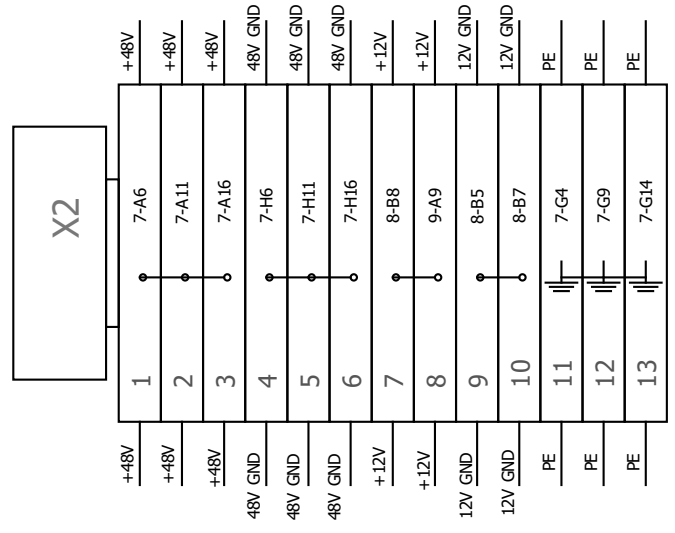
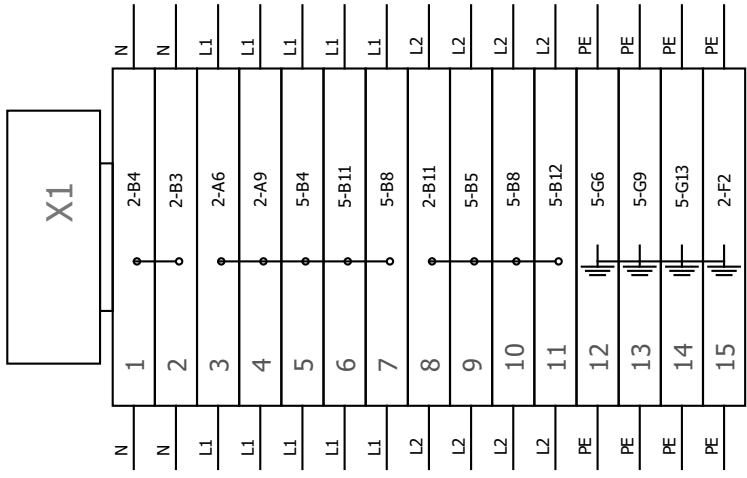
Emergency Halt / 6-C11

Hold Cycle / 6-C11



Extrusion Panel





Label	Manufacturer	Article number	Function	Title	Folio number	Position
	-	-	Shielded ethernet jack	LIMIT SWITCHES / BUTTONS	09/12	H14
	Mean Well	HDR-15-12	12V 15W Power Supply	DC POWER	05/12	C11
	Mean Well	NDR-480-48	Stepper motor power 48V supply	DC POWER	05/12	C5
	uxcell	-	Main power on light	EXTRUSION PANEL	03/12	D8
	uxcell	-	Contactor/motor power on light	EXTRUSION PANEL	03/12	F9
733	IGUS	CF5-07-05	Shielded stepper driver cable	STEPPER DRIVERS	07/12	F3
735	IGUS	CF5-07-05	Shielded stepper driver cable	STEPPER DRIVERS	07/12	F8
737	IGUS	CF5-07-05	Shielded stepper driver cable	STEPPER DRIVERS	07/12	F13
DX	Zyltech	DM542	Stepper Driver	STEPPER DRIVERS	07/12	D9
DY	Zyltech	DM542	Stepper Driver	STEPPER DRIVERS	07/12	D14
DZ	Zyltech	DM542	Stepper Driver	STEPPER DRIVERS	07/12	D4
F1	JSYUAN	CW4L2-20A-S	EMI Filter for VFD	VFD PANEL	04/12	D9
F2			DC 10A Fuse	DC POWER	05/12	D4
K22	Worldwide Electrical Corp	WDP40-3L-120	Main power contactor	VFD PANEL	04/12	D4
K86	Noyito	6-channel relay module	Relay on board	RELAY BOARD	08/12	C13
K88	Noyito	6-channel relay module	Relay on board	RELAY BOARD	08/12	C15
Mist	-	-	Mist coolant outlet	RELAY BOARD	08/12	G8
Q32	Socomec	22003004-UL	Main disconnect for power	AC POWER CONTROL	02/12	A4
S22	Pilot Devices	GCX1152	ON Button	EXTRUSION PANEL	03/12	D10
S234	Pilot Devices	GCX1103	Feed Hold/Stop Button	LIMIT SWITCHES / BUTTONS	09/12	G12
S24	Pilot Devices	GCX1152	OFF Button	EXTRUSION PANEL	03/12	F10

COMPONENTS

Author: Jose Junior
Date: 2/26/2023

Revision: 1

File: E:/dev/CNC_Panel/Plan.qet
Folio: 11/12

Label	Manufacturer	Article number	Function	Title	Folio number	Position
S84	Pilot Devices	GCX3131	Emergency stop button	LIMIT SWITCHES / BUTTONS	09/12	F12
S85	Pilot Devices	GCX1102	Feed Start/Cycle button	LIMIT SWITCHES / BUTTONS	09/12	F12
Vac	-	-	Vacuum outlet	RELAY BOARD	08/12	G10
X41			USB IN	MESA 7i96	06/12	F3
X6105	-	-	Shielded ethernet jack	LIMIT SWITCHES / BUTTONS	09/12	D8
X6106	-	-	Shielded ethernet jack	LIMIT SWITCHES / BUTTONS	09/12	D14
XPE:10			Connector to Extrusion Panel	AC POWER CONTROL	02/12	D5
XPE:11			Connector to VFD Panel	AC POWER CONTROL	02/12	D10
XPE:15			Connector from Main Panel	EXTRUSION PANEL	03/12	C6
XPE:16			Connector to VFD Panel	EXTRUSION PANEL	03/12	D13
XPE:20	-	-	Stepper Connector	STEPPER DRIVERS	07/12	G4
XPE:21	-	-	Stepper Connector	STEPPER DRIVERS	07/12	G9
XPE:22	-	-	Stepper Connector	STEPPER DRIVERS	07/12	G14

COMPONENTS

Author: Jose Junior
Date: 2/26/2023

Revision: 1

File: E:/dev/CNC_Panel/Plan.qet
Folio: 12/12