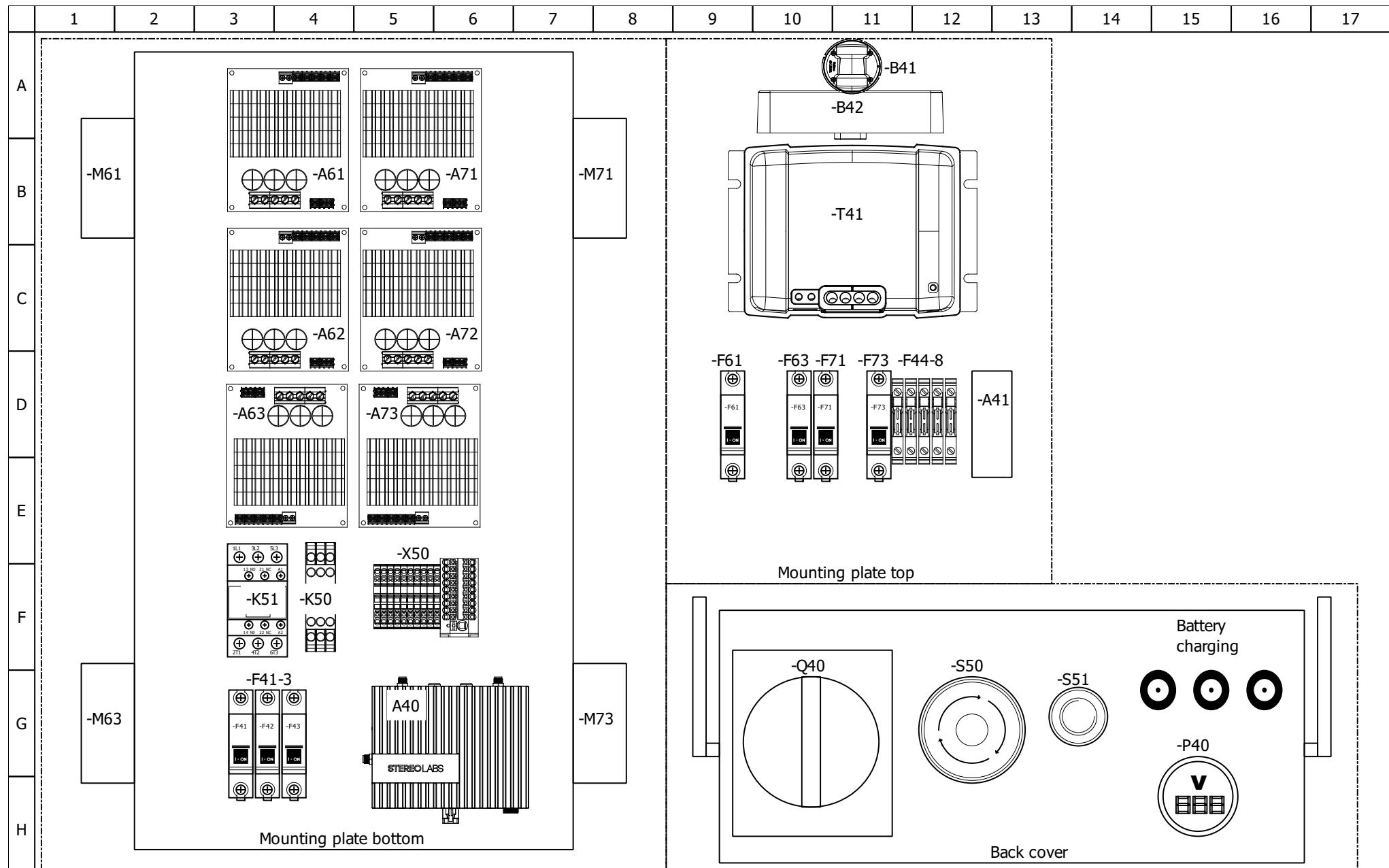


	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
A	Label	Function	Textual description		Article number		Manufacturer		Folio number		Position							
	-A40	Computer	Fedbox orin				StereoLabs		4/8		E16							
B	-A41	IMU +GNSS	IMU+GNSS		MTI-7-0I-DK		Xsense		4/8		E12							
	-A61	Motor controller	EM-366 BRUSHLESS DC-MOTOR DRIVER 12-48V 30/25A				ELECTROMEN Oy		6/8		D6							
C	-A62	Motor controller	EM-366 BRUSHLESS DC-MOTOR DRIVER 12-48V 30/25A				ELECTROMEN Oy		6/8		D11							
	-A63	Motor controller	EM-366 BRUSHLESS DC-MOTOR DRIVER 12-48V 30/25A				ELECTROMEN Oy		6/8		D16							
D	-A71	Motor Controller	EM-366 BRUSHLESS DC-MOTOR DRIVER 12-48V 30/25A				ELECTROMEN Oy		7/8		D5							
	-A72	Motor Controller	EM-366 BRUSHLESS DC-MOTOR DRIVER 12-48V 30/25A				ELECTROMEN Oy		7/8		D10							
E	-A73	Motor Controller	EM-366 BRUSHLESS DC-MOTOR DRIVER 12-48V 30/25A				ELECTROMEN Oy		7/8		D16							
	-B41	Lidar	Unitree 4D lidar-L2				Unitree		4/8		E9							
F	-B42	Camera	Zed X				StereoLabs		4/8		D16							
	-F41	Miniature circuit breaker	C60H DC - 1p- 50 A -C		A9N61518		Schneider Electric		4/8		A3							
G	-F42	Miniature circuit breaker	C60H DC - 1p- 50 A -C		A9N61518		Schneider Electric		4/8		B3							
	-F43	Miniature circuit breaker	C60H DC - 1p- 5 A -C		A9N61505		Schneider Electric		4/8		B3							
H	-F44	Fuse	UK 6-FSI/C + ATO2A		3118203		PHOENIX CONTACT		4/8		F3							
	-F45	Fuse	UK 6-FSI/C + ATO1A		3118203		PHOENIX CONTACT		4/8		F3							
I	-F46	Fuse	UK 6-FSI/C + ATO5A		3118203		PHOENIX CONTACT		4/8		G3							
	-F47	Fuse	UK 6-FSI/C + ATO5A		3118203		PHOENIX CONTACT		4/8		H3							
J	-F48	Fuse	UK 6-FSI/C + ATO5A		3118203		PHOENIX CONTACT		4/8		H3							
	-F61	Miniature circuit breaker	C60H DC - 1p- 25 A -C		A9N61513		Schneider Electric		6/8		E3							
K	-F62	Miniature circuit breaker	C60H DC - 1p- 25 A -C		A9N61513		Schneider Electric		6/8		E8							
	-F63	Miniature circuit breaker	C60H DC - 1p- 25 A -C		A9N61513		Schneider Electric		6/8		E13							
L	-F71	Miniature circuit breaker	C60H DC - 1p- 25 A -C		A9N61513		Schneider Electric		7/8		E2							

Drawn: TNI	Jaska the the mobilerobot	Date: 3.12.2025
	BOM	Folio: 1/8
		rev: A

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
A	Label	Function	Textual description					Article number			Manufacturer		Folio number	Position				
	-F72	Miniature circuit breaker	C60H DC - 1p- 25 A -C					A9N61513			Schneider Electric		7/8	E7				
B	-F73	Miniature circuit breaker	C60H DC - 1p- 25 A -C					A9N61513			Schneider Electric		7/8	E13				
	-G41	Battery	36V 30Ah										4/8	B1				
C	-G42	Battery	36V 30Ah										4/8	B1				
	-G43	Battery	36V 30Ah										4/8	C1				
D	-H51	Light	M22-LED-W					216557			Eaton		5/8	B7				
	-K50	Safety relay	NST-3.2								Duelco		5/8	E5				
E	-K51	Contactor	Contactor 38A Tesys D LC1D38JD					LC1D38JD SNRO 3782355			Scheneider Electric		5/8	F4				
	-K52	Contactor	Contactor 38A Tesys D LC1D38JD					LC1D38JD SNRO 3782355			Scheneider Electric		5/8	F5				
F	-M61	BLDC Motor	Hoverboard motor										6/8	H6				
	-M62	BLDC Motor	Hoverboard motor										6/8	H10				
G	-M63	BLDC Motor	Hoverboard motor										6/8	H15				
	-M71	BLDC Motor	Hoverboard motor										7/8	H5				
H	-M72	BLDC Motor	Hoverboard motor										7/8	H10				
	-M73	BLDC Motor	Hoverboard motor										7/8	H16				
I	-P40	Voltagmeter											4/8	B5				
	-Q40	Main switch	OT63FT3 + OHBS2RJ								ABB		4/8	A5				
J	-R71	Resistor	120ohm										7/8	D14				
	-S50	E-stop button	M22-PVt+2xCK01+M22-A					171880+216385+216374			Eaton		5/8	B3				
K	-S51	Reset Button	M22-DL-B+M22-CK20+M22-A					216931+107898+216374			Eaton		5/8	B5				
	-T41	DC/DC Converter	Orion-tr 48/12-20A								Victron energy		4/8	E3				
L	-U41	Signal converter	USB to RS485										4/8	B14				

Drawn: TNI	Jaska the the mobilerobot	Date: 5.9.2025
	BOM	Folio: 2/8
		rev: A



Drawn: TNI

Jaska the the mobilerobot

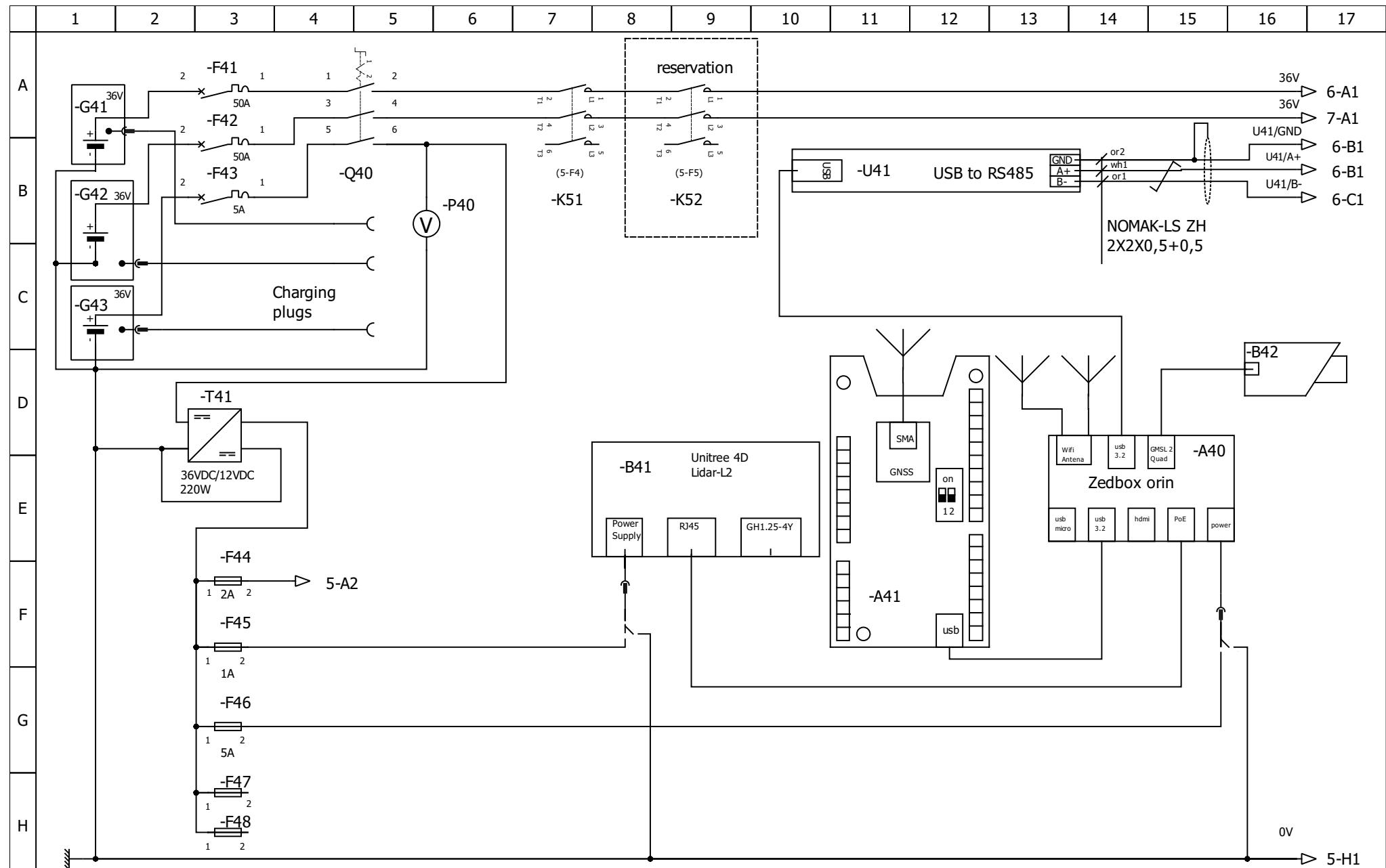
Date: 3.12.2025



Layout

Folio: 3/8

rev: A



Drawn: TNI

Jaska the the mobilerobot

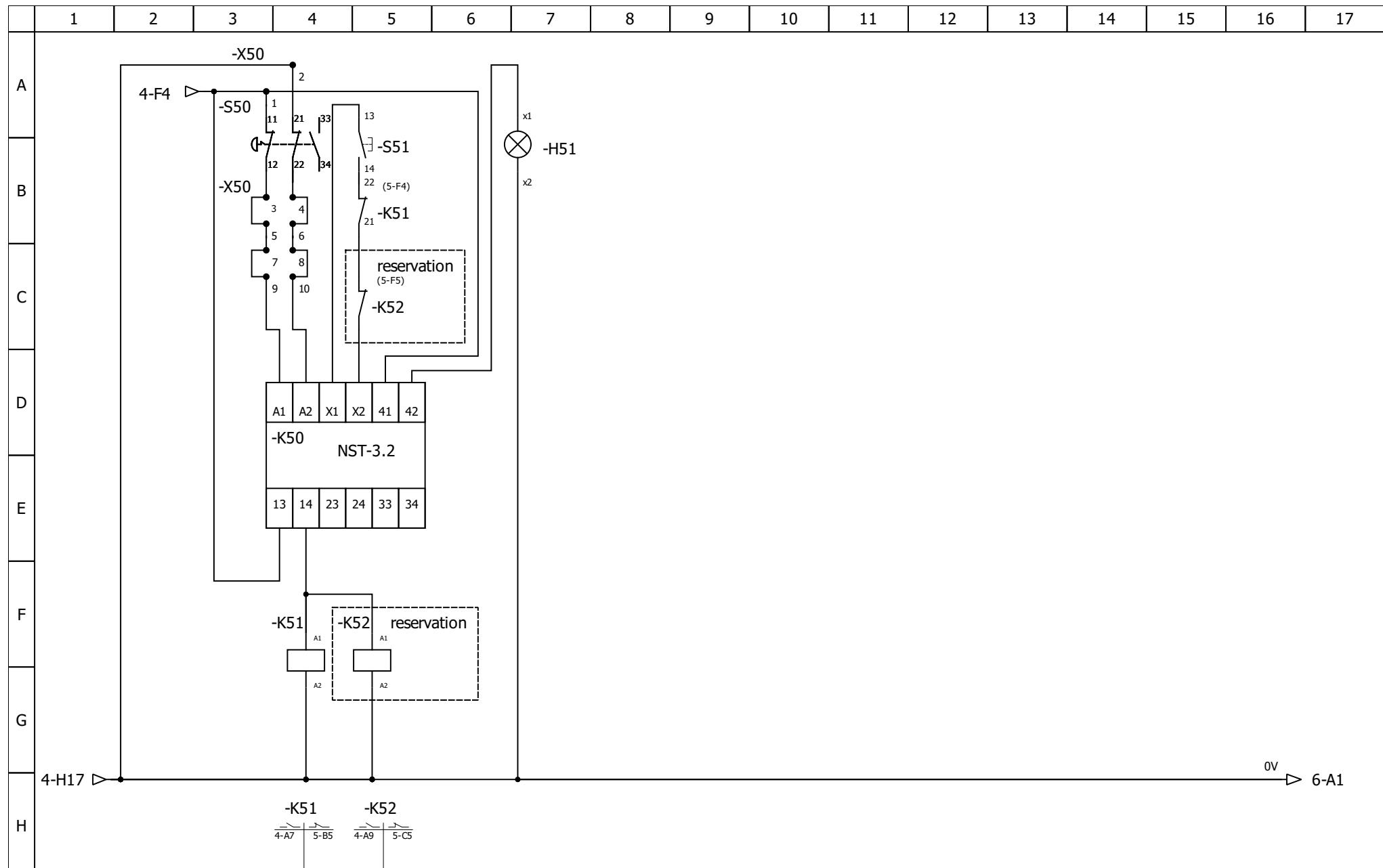
Date: 3.12.2025



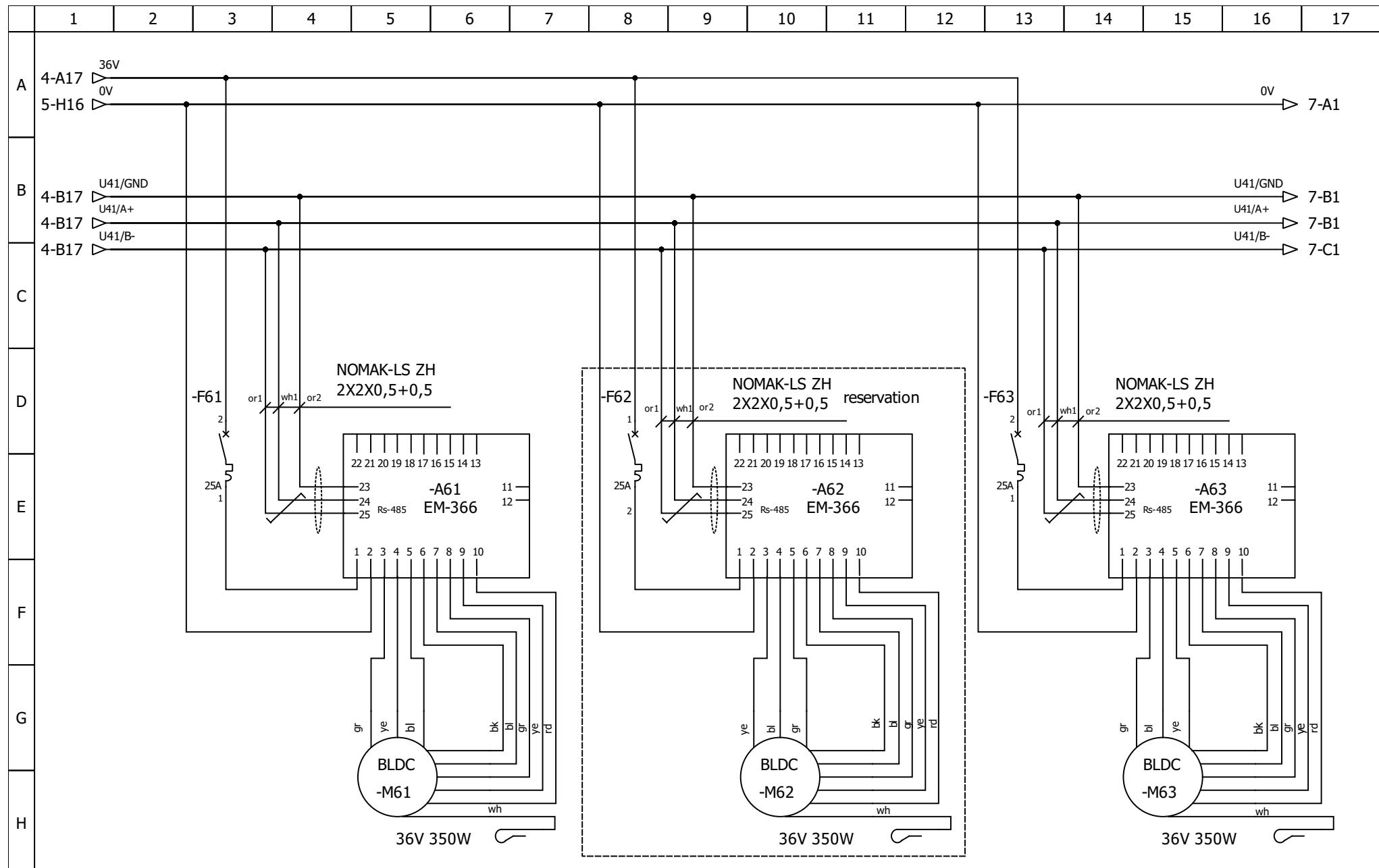
Main control

Folio: 4/8

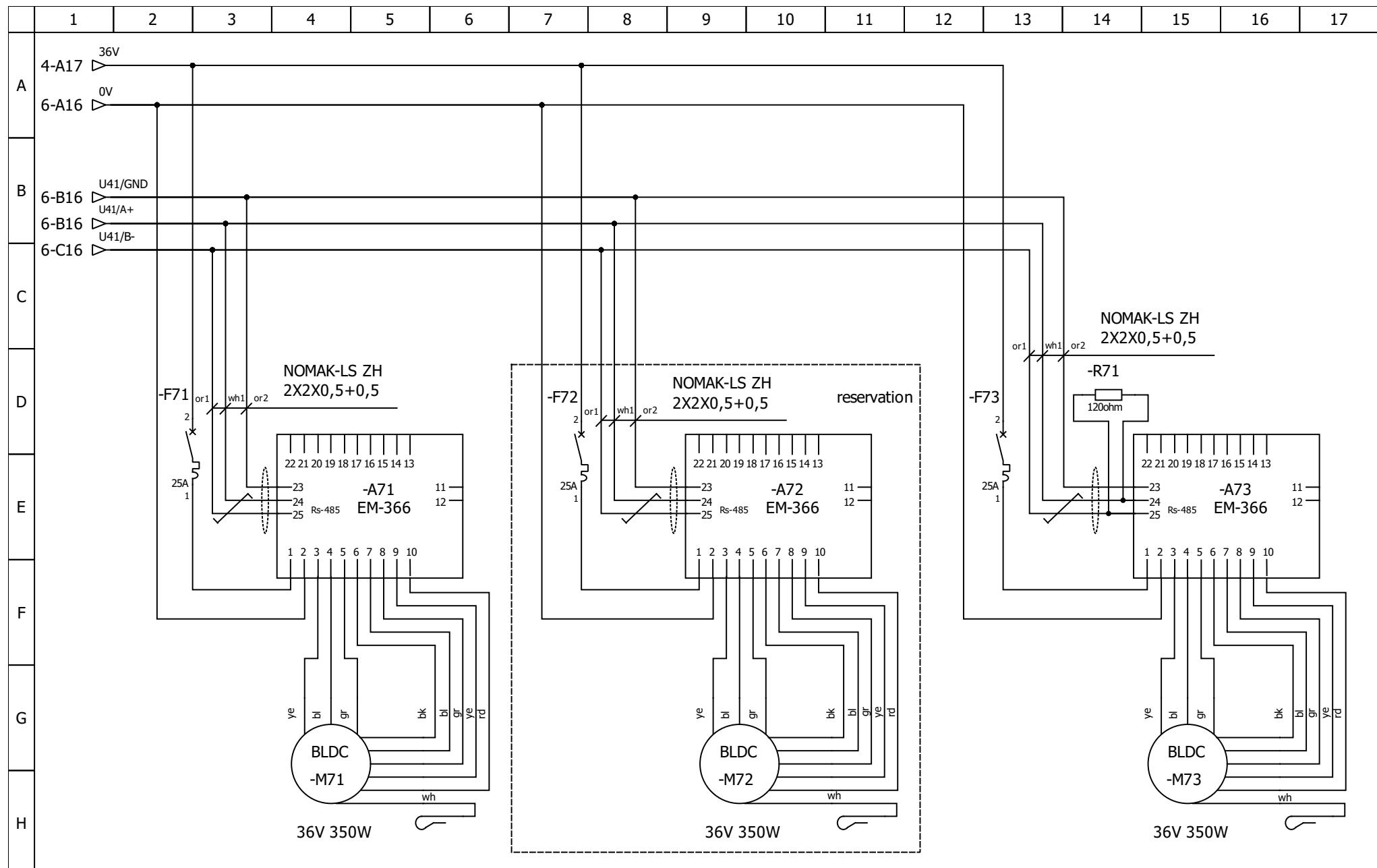
rev: A



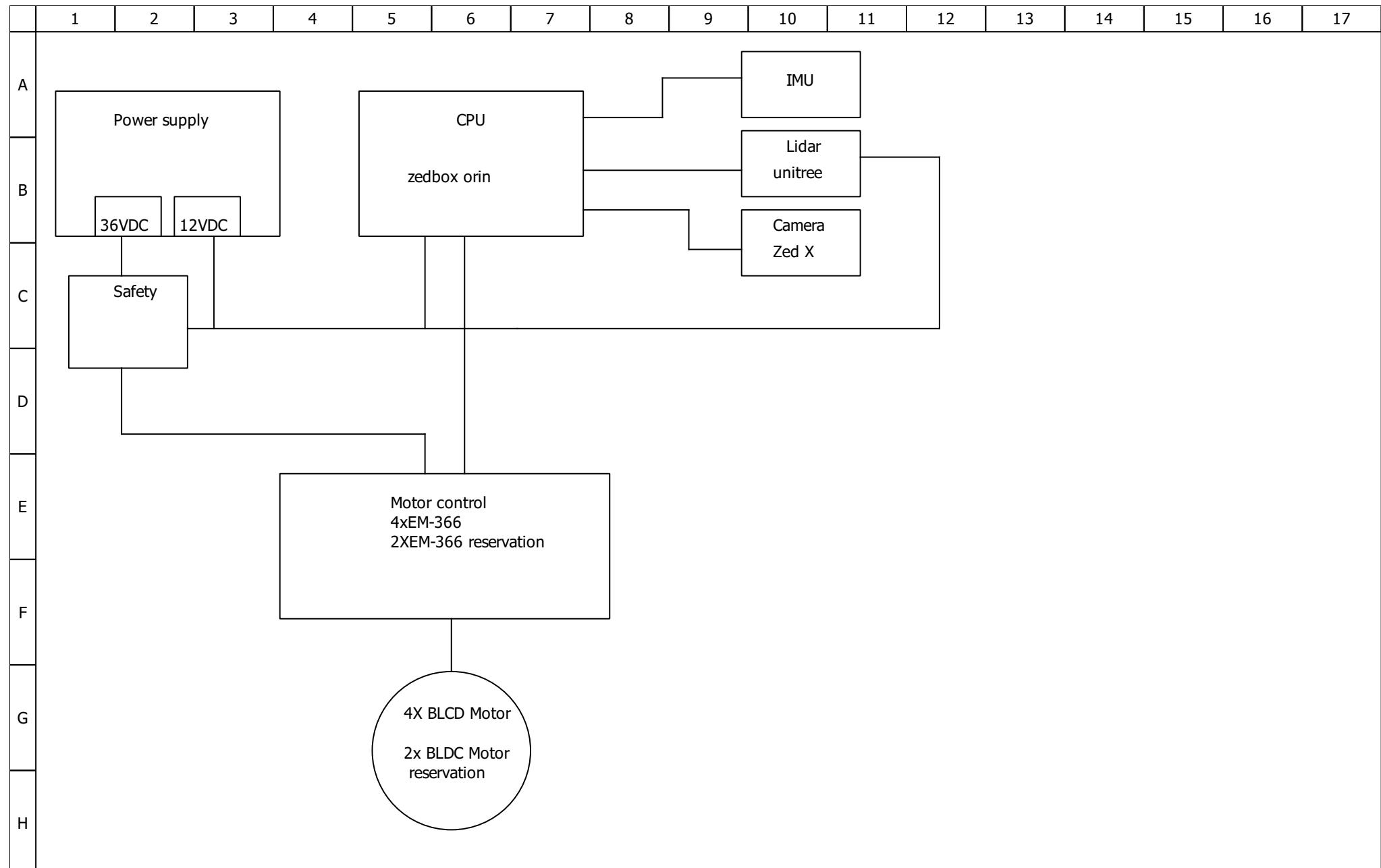
Drawn: TNI	Jaska the mobilerobot	Date: 3.12.2025
	EMERGENCY STOP	Folio: 5/8
		rev: A



Drawn: TNI	Jaska the the mobilerobot	Date: 3.12.2025
	Motor control Portside	Folio: 6/8
		rev: A



Drawn: TNI	Jaska the the mobilerobot	Date: 3.12.2025
	Motor control Starboard	Folio: 7/8
		rev: A



Drawn: TNI	Jaska the the mobilerobot	Date: 3.12.2025
	Architecture	Folio: 8/8
		rev: A