

DXR-250

Electric circuit diagram
Hydraulic circuit diagram

Electric Circuit Diagram

Des. +D1	Description	Sheet ref.
-B1	Safety relay 24 VDC, 2NO dual channel	4.2E
-B2	Time counter	5.7D
-F1	Circuit breaker 5SY C4, 3-pole 4 A	1.4E
-F2	Circuit breaker 5SY C10, 1-pole 10 A	1.6E
-F3	Fuse holder for vehicle fuse	2.2F
	Support bracket 28, 2x45 (HxW), grey	
	Bridge connector (1-2 clip)	
	Blade fuse 5 A/32 V, beige	
-F4	Fuse holder for vehicle fuse	2.4F
	Blade fuse 5 A/32 V, beige	
-F5	Fuse holder for vehicle fuse	2.6F
	Blade fuse 10 A/32 V	
-F6	Fuse holder for vehicle fuse	3.3G
	Blade fuse 5 A/32 V, beige	
-F7	Fuse holder for vehicle fuse	3.4G
	Blade fuse 5 A/32 V, beige	
-F8	Fuse holder for vehicle fuse	3.6G
	Blade fuse 10 A/32 V	
-H2	LED, green, 24 VDC	2.7D
-H4	LED, green, 24 VDC	8.6D
-K1	Phase sequence relay 3x400 VAC, 2 points	1.5D
-K10	Auxiliary relay 24 VDC, 4 points	5.2C
	Base 4-pole	
-K14	Base relay 5 A 24 VDC, 1 point	6.2C
-K15	Base relay 5 A 24 VDC, 1 point	6.3C
-K17	Base relay 5 A 24 VDC, 1 point	6.4C
-K18	Base relay 6 A 24 VDC 1NC	6.6C
-K21	Base relay 5 A 24 VDC, 1 point	6.4C
-K26	Base relay 5 A 24 VDC, 1 point	6.7C
-K27	Base relay 5 A 24 VDC, 1 point	6.5C
-K28	Base relay 5 A 24 VDC, 1 point	3.7B
-K29	Base relay 5 A 24 VDC, 1 point	5.8C
-K30	Base relay 5 A 24 VDC, 1 point	5.1D
-Q1	Safety switch 3-pole 63 A	1.2F
-QM1_1	Reverser	5.5C
	Auxiliary contact block 1NO 1NC side-mounted	
-QM1_2	Auxiliary contact block 1NO 1NC side-mounted	5.4C
-S2	Contact block 1S CC 3SB3	2.6E
	Push button, white, fixed position	
-S3_1	Emergency stop button Ø 40 mm, red	4.4E
	Contact block 2 NC	
-S4	Contact block 1S CC 3SB3	8.5D
	Push button, white, fixed position	

Des. +D1	Description	Sheet ref.
-S5	Assembly ring for LED+ 2 block	5.2F
	Contact block 1NO 1NC	
	Contact block 2NO	
	Knob, 2 fixed positions, black	
-S6	Contact block 1S CC 3SB3	5.3F
	Assembly ring for LED+ 2 block	
	Illuminated push button, flat, black	
-T1	Power supply unit 24 VDC 20 A	1.4D
-T2	Softstarter 400 V 22 kW	5.6F
-T4	Fan control	3.5F
-W1	5GAWG8 JZ602	1.2G
	Cable gland, Skintop ST M32x1.5	
	Locking nut M32x1.5	
-W2	5GAWG8 JZ602	1.2C
	Cable gland, Skintop ST M32x1.5	
	Locking nut M32x1.5	
-W3	2xAWG18 OZ603	2.2C
	Cable gland, Skintop ST M32x1.5	
	Locking nut M32x1.5	
	Multi-hole seal 4x7	
-W4	2xAWG18 OZ603	2.3C
-W5	2xAWG18 OZ603	2.4C
-W6	2xAWG18 OZ603	2.5C
-W7	2xAWG16 OZ603	2.6C
	Cable gland, Skintop ST M32x1.5, dark grey	
	Locking nut M32x1.5, dark grey	
	Multi-hole seal 4x7	
-W8	2xAWG18 OZ603	3.3C
-W9	5GAWG22 JZ603	4.4F
-W10	2xAWG18 OZ603	6.7E
-W11	18GAWG20 JZ603	6.1E
	Cable gland, Skintop ST M25x1.5	
	Locking nut M25x1.5	
-X	Terminal block 2x10/16mm ²	1.2F
	Gnd terminal 3x10/16mm ²	
X2	Terminal blocj3x2.5/4mm ²	2.6D
	End plate 33x59.5 (HxW)	2.2D
	Bridge connector (1-3 clip)	8.2E
-XE1	2-pole socket housing SA, Deutsch	2.2C
-XE2	2-pole socket housing SA, Deutsch	2.3C
-XE3	2-pole socket housing SA, Deutsch	2.4C
-XE4	2-pole socket housing SA, Deutsch	2.6C
-XE5		3.6D
-XT	CEE 5-pin connector, 63 A	1.2G

Electric Circuit Diagram

Des. +D2	Description	Sheet ref.
-B3	Pressure switch, 2 bar	8.8D
-E1	LED lighting	2.2B
-E3	LED lighting	2.3B
-E3	LED warning light	2.4B
-M1	Electric motor, 22 kW	1.2B
-M2	Fan	3.6C
-M3	Filler pump	2.6C
-P1	Hooter	2.5B
-P2	Pressure sensor	12.5C
-QV1	Dozer blade front	7.2C
-QV4	Dozer blade rea	7.4C
-QV5	Hydraulic valve, increased hydraulic pressure	10.7C
-QV6	Hydraulic valve, control of grease pump	7.7C
-QV7	Hydraulic valve, C1	9.2C
-QV8	Hydraulic valve, C2	9.4B
-QV9	Hydraulic valve, C3	9.5C
-QV10	Hydraulic valve, C4	9.7C
-QV11	Hydraulic valve, C5	10.2C
-QV12	Hydraulic valve, tool attachment (option)	10.3C
-QV13	Tool	10.5C
-QV15	Belt operation, right	11.2C
-QV16	Belt operation, left	11.4C
-QV17	Dozer blade	11.5C
-QV18	Rotation	11.7C
-QV19	Hydraulic valve, grease pump	7.6C
-S3_2	Emergency stop button Ø 40 mm, red	4.4G
	Contact block 2 NC	
-T3	Temperature sensor, hydraulic oil	12.3C
-W12	Valve contact 2+earth 3X0.75 4	7.2D
-W13	Valve contact 2+earth 3X0.75 4	7.3D
-W14	Valve contact 2+earth 3X0.75 4	
-W15	Valve contact 2+earth 3X0.75 4	7.4D
-W16	Valve contact 2+earth 3X0.75 4	10.7D
-W17	Valve contact 2+earth 3X0.75 4	7.7D
-W18	2xAWG18 OZ603	8.7F
-W19	Valve contact 3+earth 4X0.75 4	9.2D
-W20	Valve contact 3+earth 4X0.75 4	9.4D
-W21	Valve contact 3+earth 4X0.75 4	9.5D

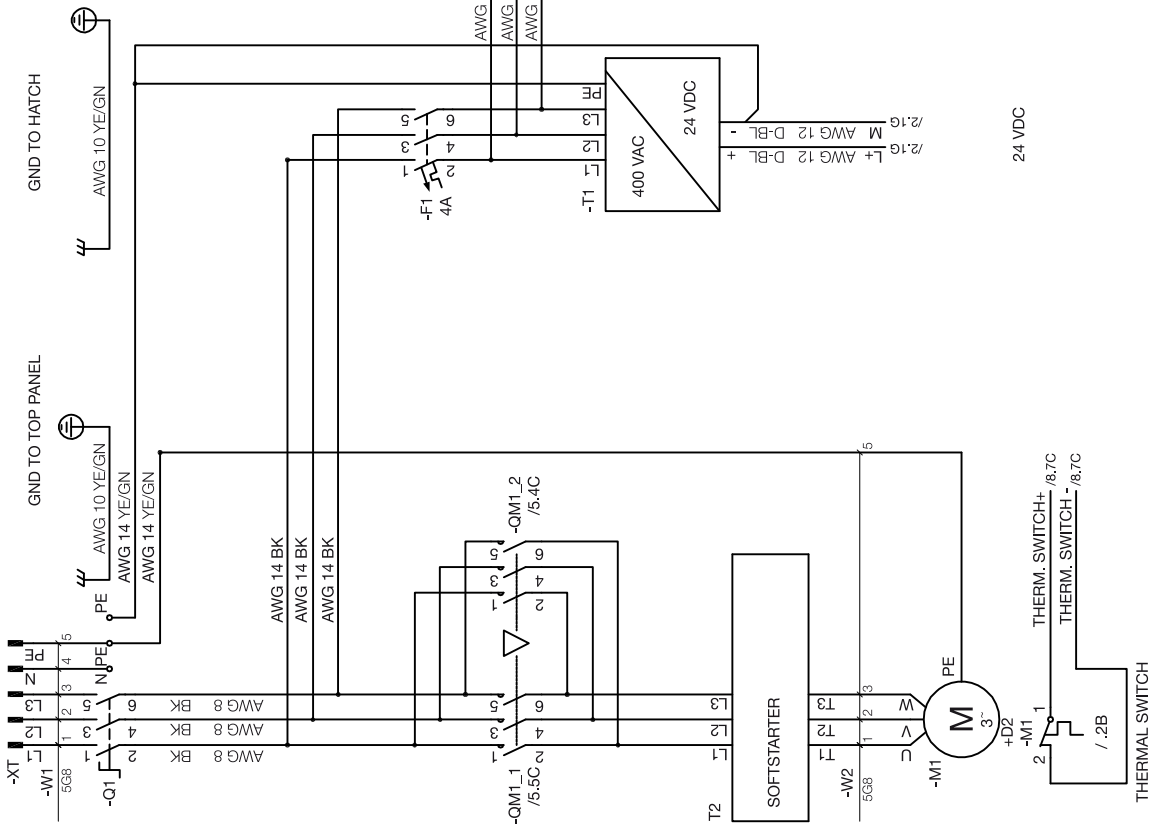
Des. +D2	Description	Sheet ref.
-W22	Valve contact 3+earth 4X0.75 4	9.7D
-W23	Valve contact 3+earth 4X0.75 4	10.2D
-W24	Valve contact 3+earth 4X0.75 4	10.3D
-W25	Valve contact 3+earth 4X0.75 4	10.5D
-W26	Valve contact 3+earth 4X0.75 4	10.6D
-W27	Valve contact 3+earth 4X0.75 4	11.2D
-W28	Valve contact 3+earth 4X0.75 4	11.4D
-W29	Valve contact 3+earth 4X0.75 4	11.5D
-W30	Valve contact 3+earth 4X0.75 4	11.7D
-W31	2xAWG16 OZ603	3.6D
-W40	Valve contact 2+earth 3X0.75 4	7.6D
-W44	2xAWG18 OZ603	8.8F
-W45	7xAWG22, Supertronic 310-PVC	13.2C
-W46	8-pole M12 with cable 4X0.34, l=6	13.8C

Des. +D3	Description	Sheet ref.
-K22/ XM2	8-pole socket housing, AMPSEAL	13.4C
-K23/ XM4	8-pole socket housing, AMPSEAL	13.5C
-K25/ XMS	6-pole female connector (crimp)	13.2C
-K22	Control module 2038	13.3B
-K23	Control module 2024	13.5B
-K24	Radio module	13.7B
-K25	Terminal unit	13.2B
-W38	4-pole M12 female connector, unshielded, L = 1.5 m	12.4E
-W39	4-pole M12 female connector, unshielded, L = 1.5 m	12.5E
-K22/ XM1	23-pole socket housing, AMPSEAL, grey	9.2E
-K23/ XM1	23-pole socket housing, AMPSEAL, grey	6.1F
-K23/ XM2	23-pole socket housing, AMPSEAL, blue	6.4F
-K23/ XM3	23-pole socket housing, AMPSEAL, black	8.2F

+D1
Sheet no. 1

CONNECTOR INPUT SUPPLY

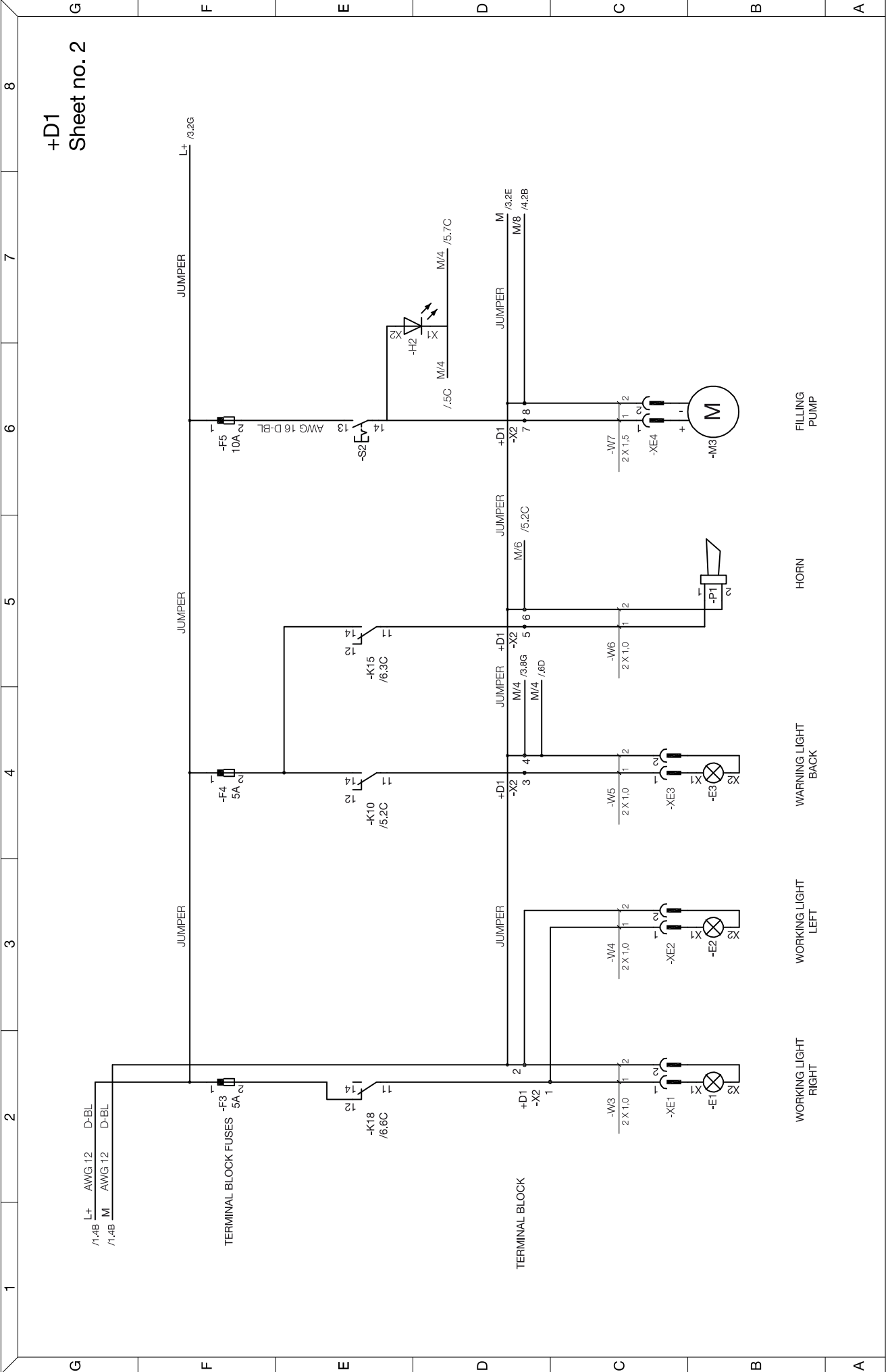
CEE SOCKET
63A, 400VAC



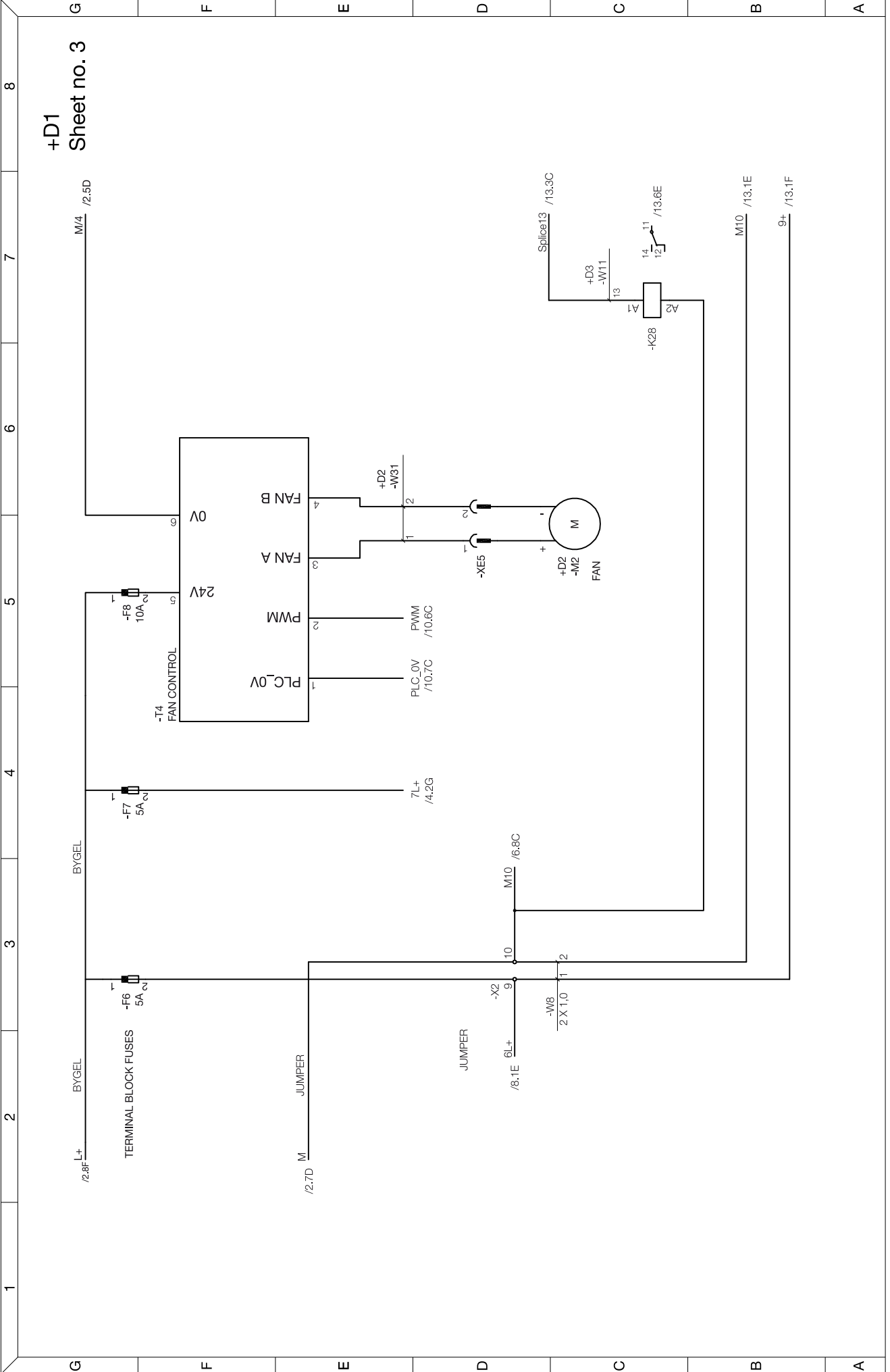
D1: ELECTRIC CABINET
D2: PIVOTING PLATFORM
D3: CONTROL SYSTEM

UNLESS OTHERWISE
STATED AWG 20 BL
IS USED

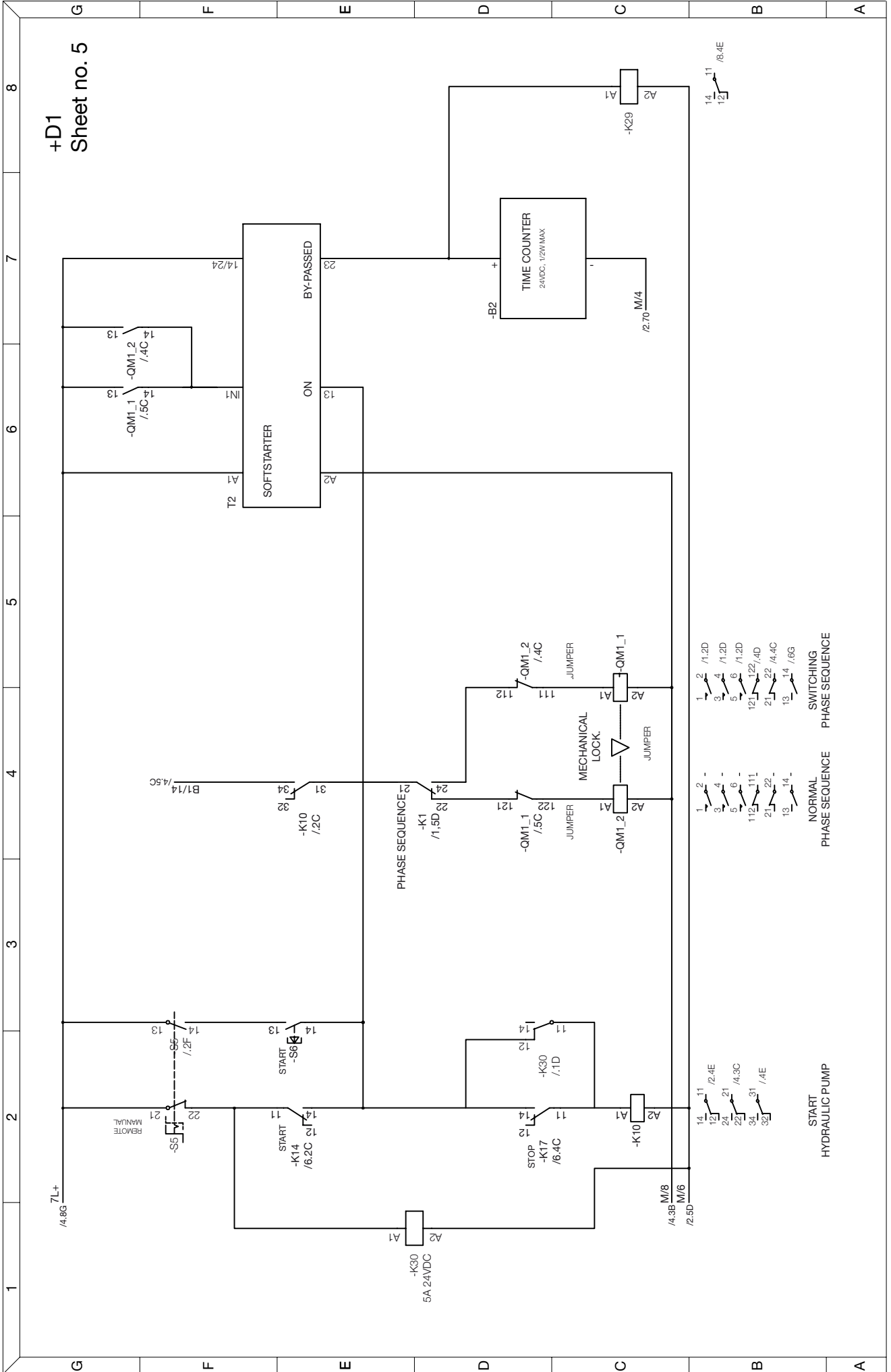
+D1
Sheet no. 2

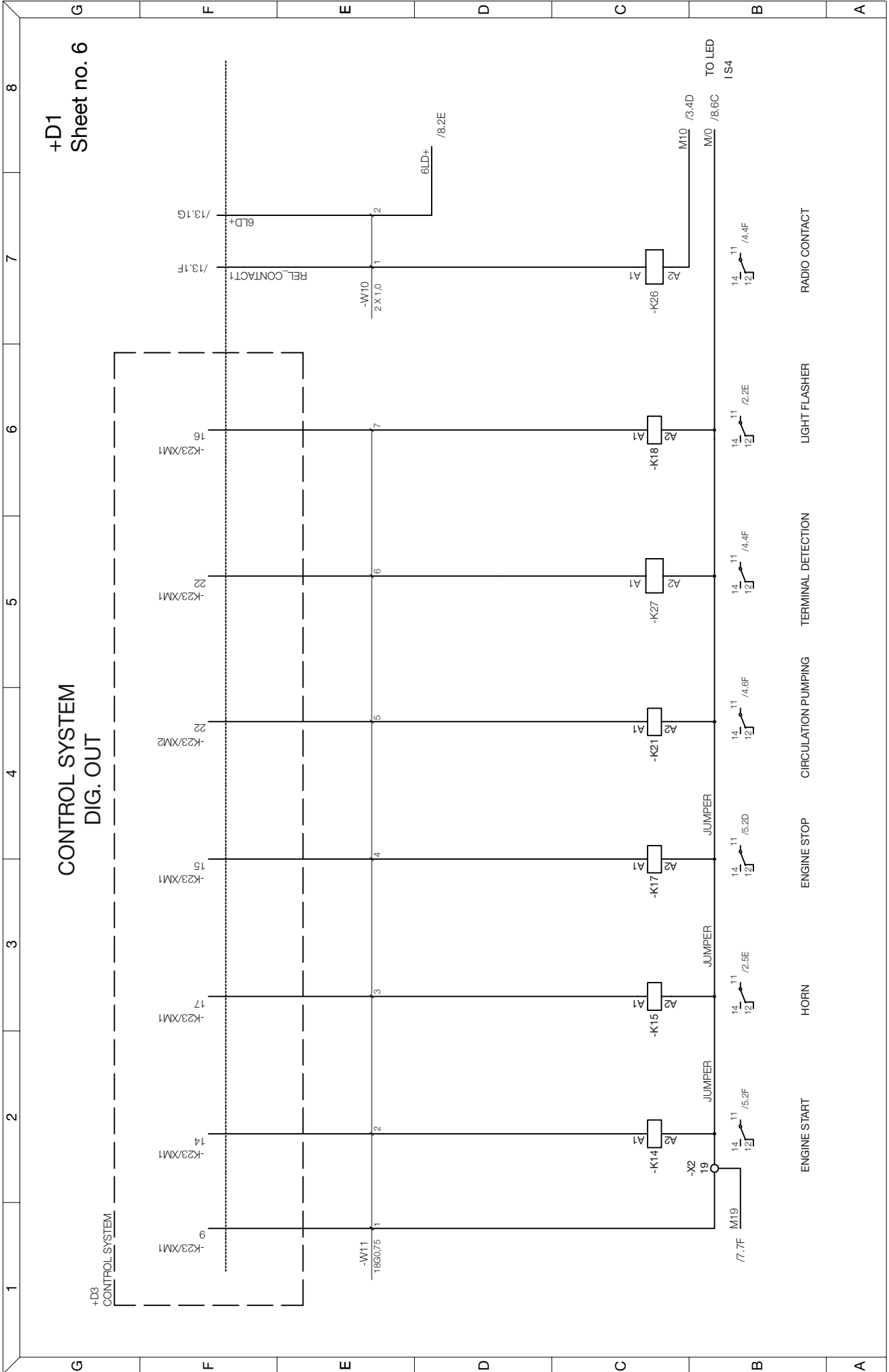


+D1
Sheet no. 3



+D1
Sheet no. 5





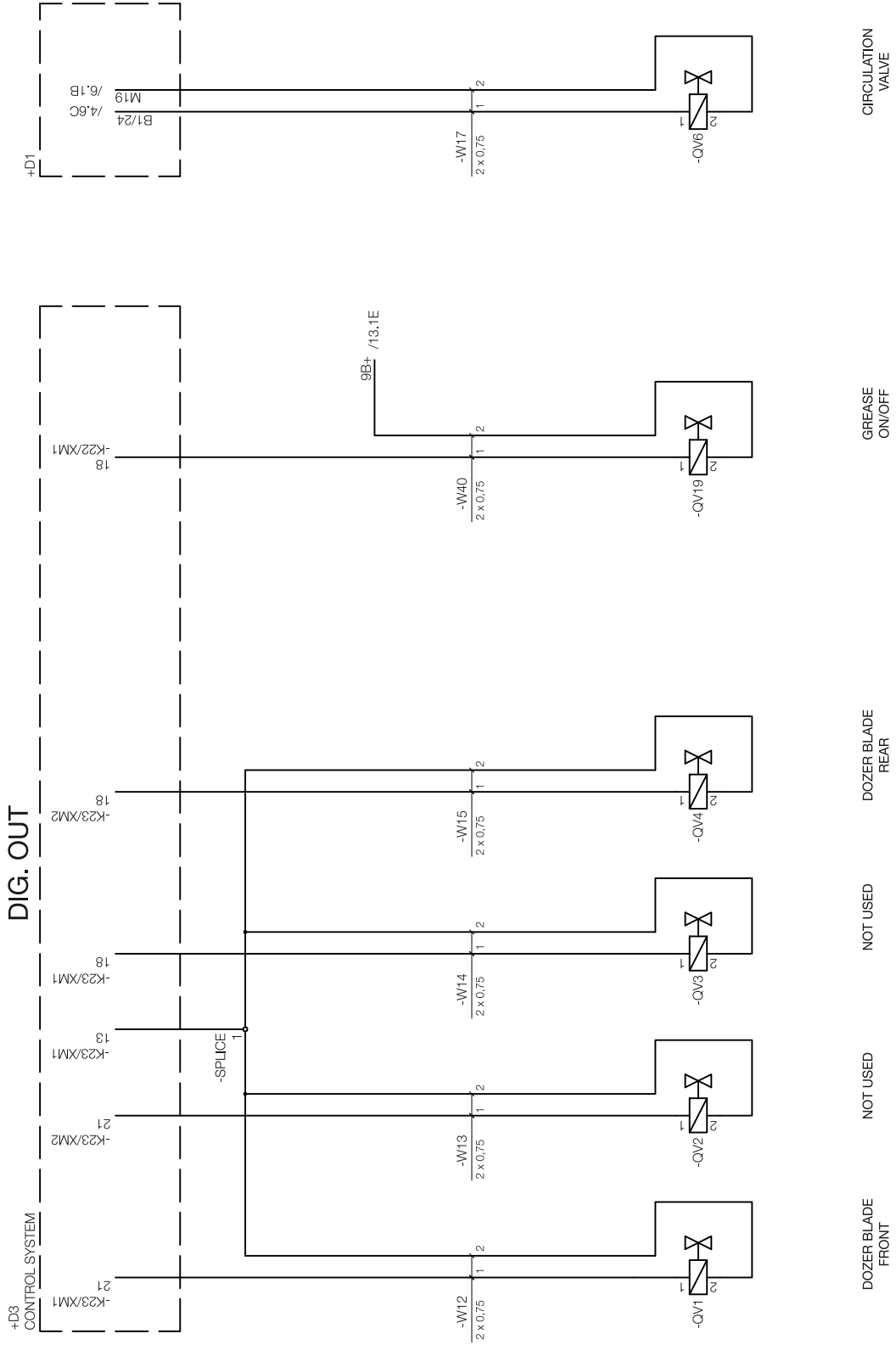
+D1
Sheet no. 6

CONTROL SYSTEM
DIG. OUT

+D3
CONTROL SYSTEM

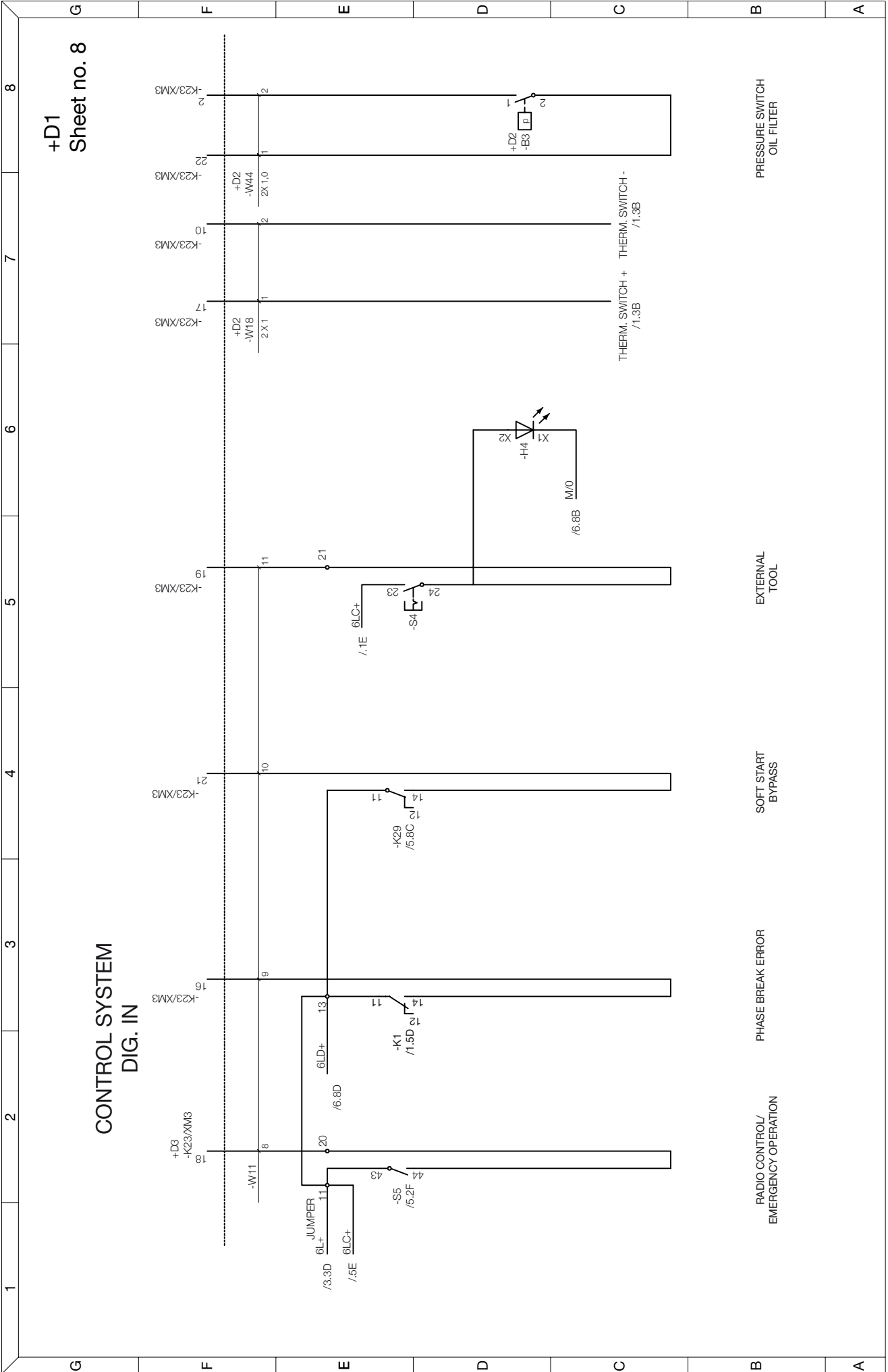
+D2
Sheet no. 7

CONTROL SYSTEM
DIG. OUT



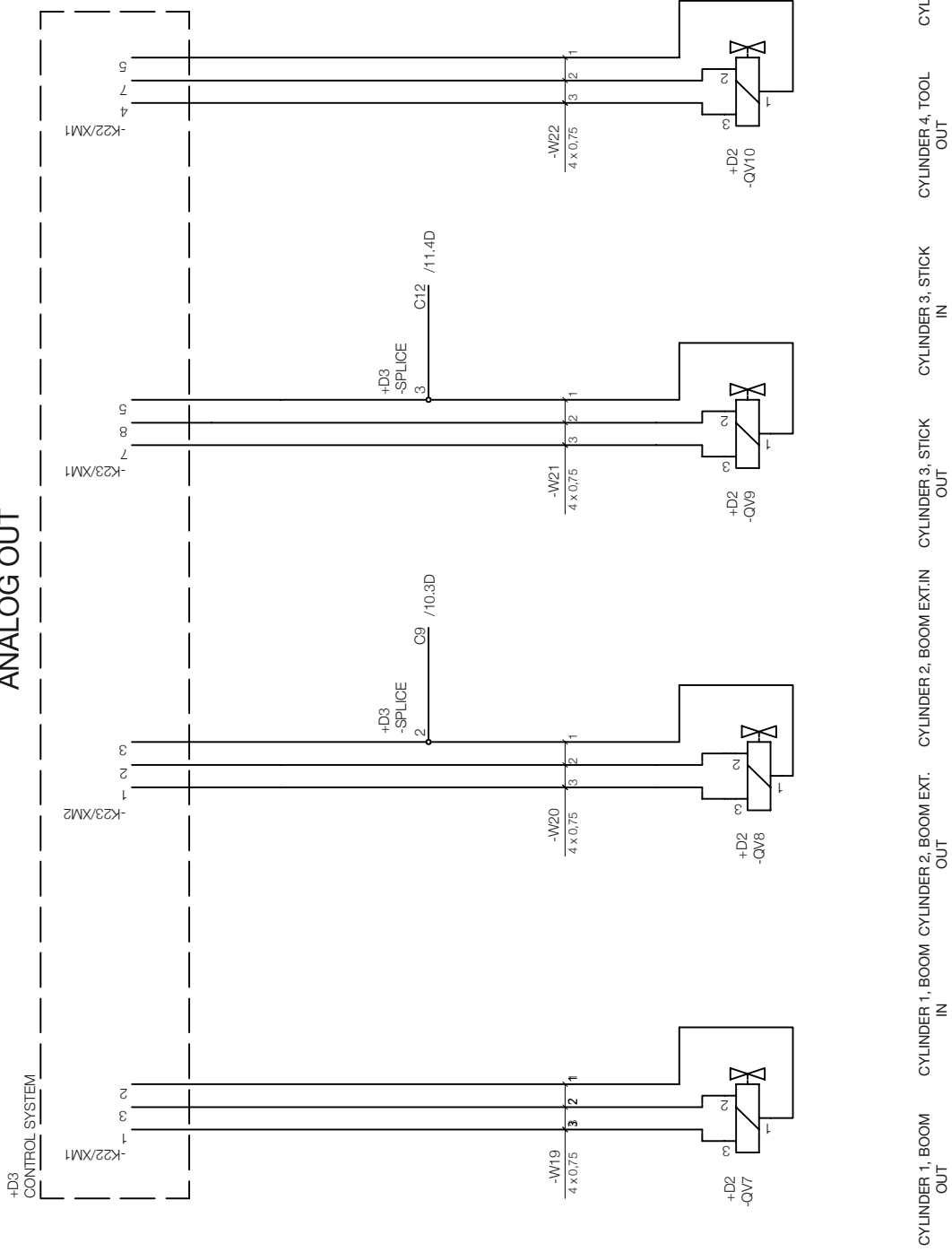
1 2 3 4 5 6 7 8

G F E D C B A



+D2
Sheet no. 9

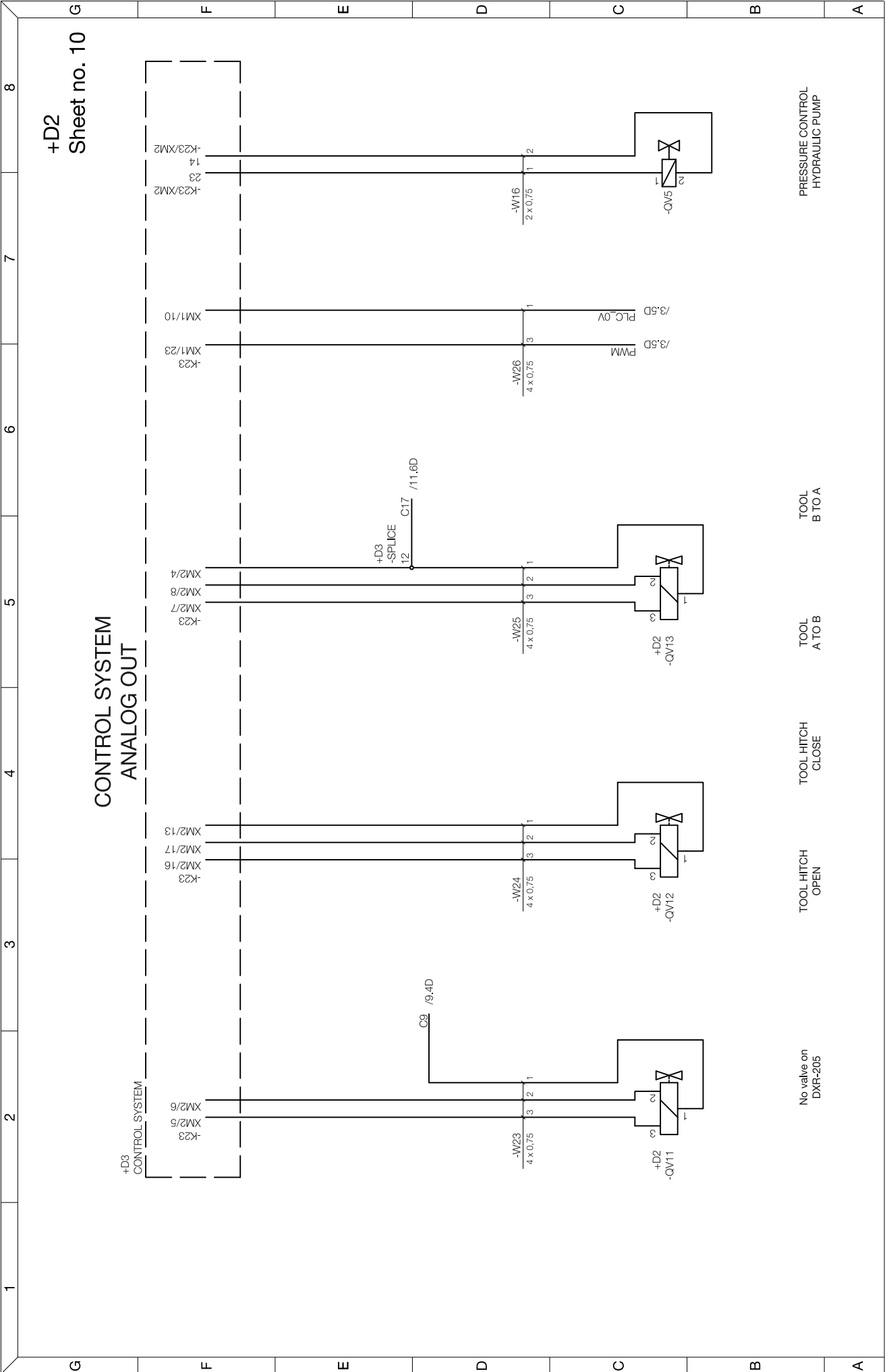
CONTROL SYSTEM
ANALOG OUT



1 2 3 4 5 6 7 8

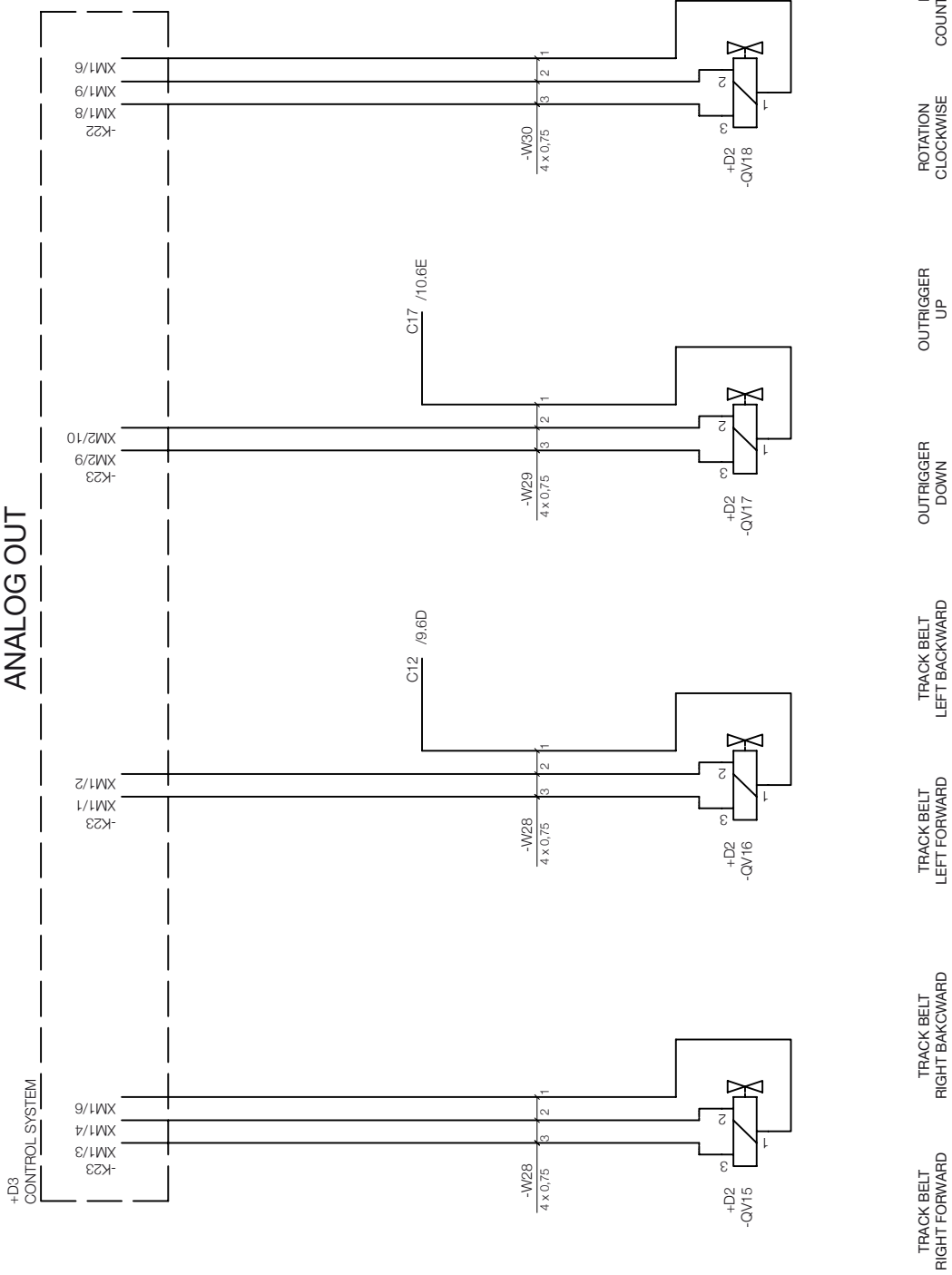
G F E D C B A

CYLINDER 1, BOOM OUT CYLINDER 1, BOOM IN CYLINDER 2, BOOM EXT. OUT CYLINDER 2, BOOM EXT. IN CYLINDER 3, STICK OUT CYLINDER 3, STICK IN CYLINDER 4, TOOL OUT CYLINDER 4, TOOL IN



+D2
Sheet no. 11

CONTROL SYSTEM
ANALOG OUT

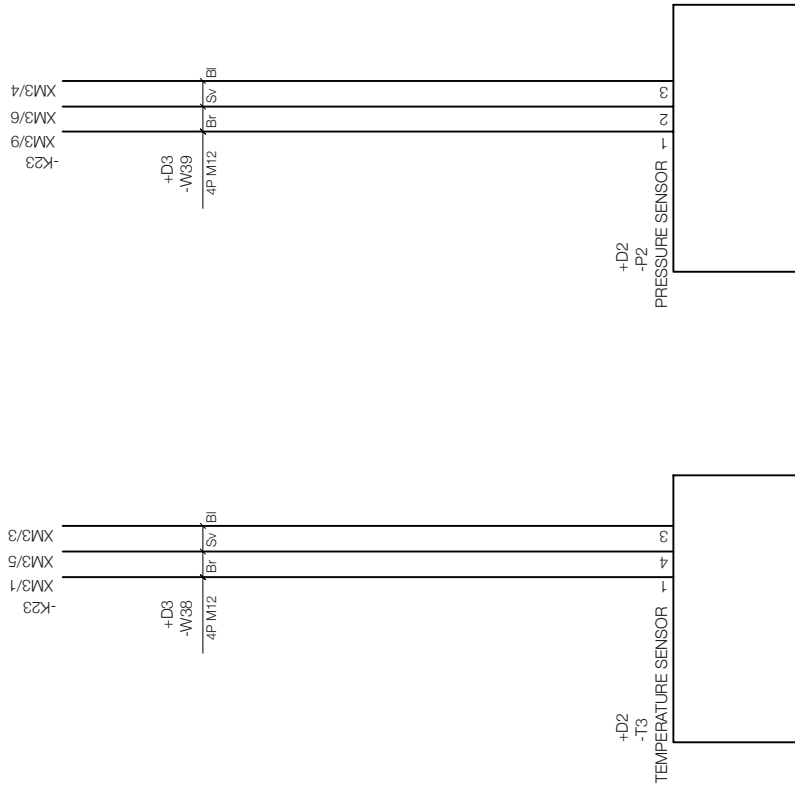


1 2 3 4 5 6 7 8

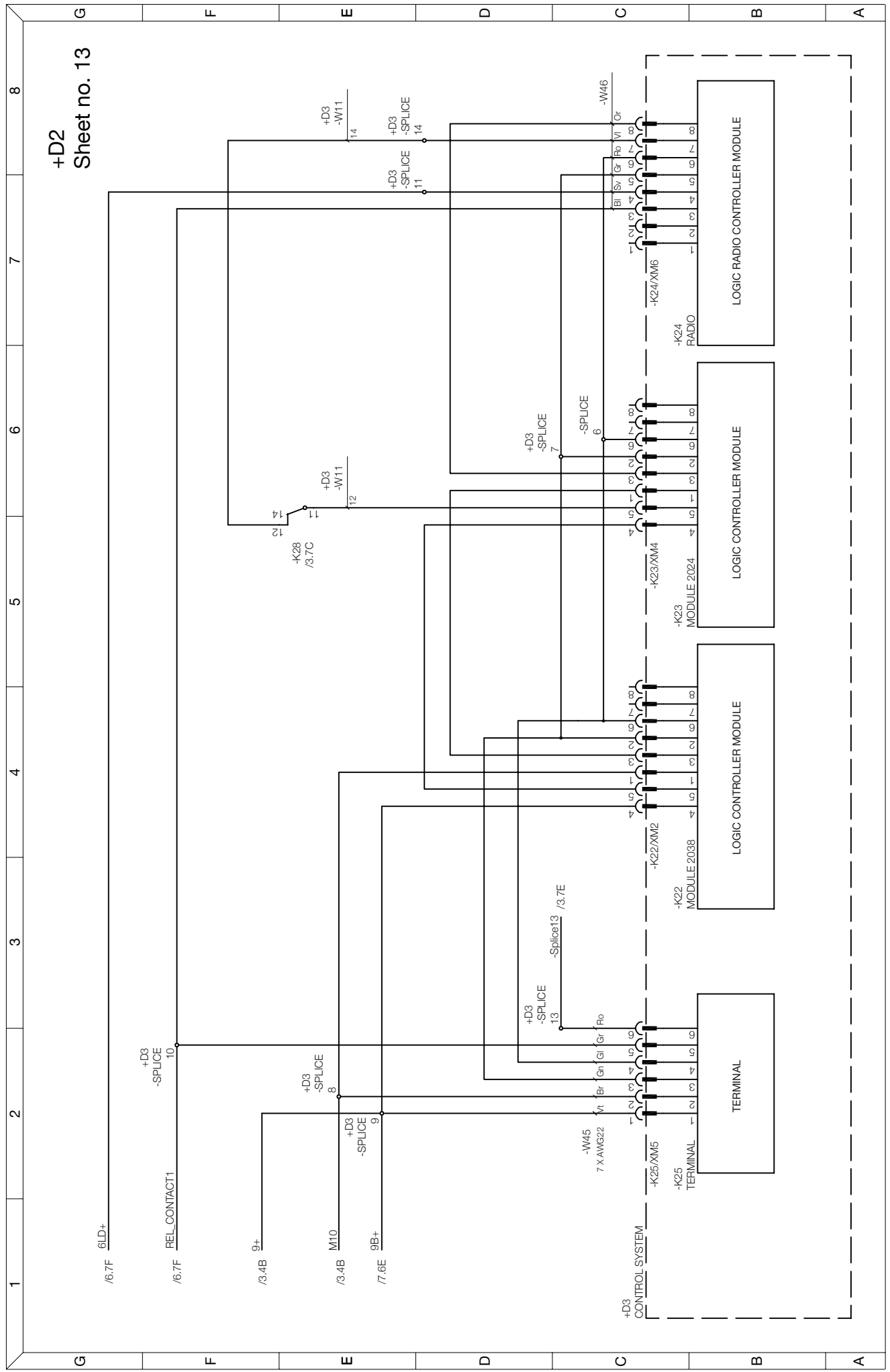
G F E D C B A

+D3
Sheet no. 12

CONTROL SYSTEM
ANALOG IN



+D2
Sheet no. 13



Hydraulic Circuit Diagram

