

- |   |   |   |
|---|---|---|
| AANSLUITKLEM KLEMMENKAST<br>φ ANSCHLUSSKLEMME KLEMMKASTEN<br>TERMINAL CONNECTION BOX<br><br>AANSLUITKLEM BEDIENINGSKAST<br>φ ANSCHLUSSKLEMME STEUERPULT<br>TERMINAL CONTROL BOX | AANSLUITKLEM TRANSISTOR<br>⊕ ANSCHLUSSKLEMME TRANSISTOR<br>TERMINAL TRANSISTOR<br><br>AANSLUITKLEM PLC<br>⊕ ANSCHLUSSKLEMME SPS<br>TERMINAL PLC | AANSLUITKLEM PLC-SLAVE<br>φ ANSCHLUSSKLEMME SPS-SLAVE<br>TERMINAL PLC-SLAVE |
|---|---|---|

TYPE	OMSCHRIJVING UMSCHREIBUNG DESCRIPTION	PLC PROG: SPS PROG: PLC PROG:
T210-DLPN-003	FPX-OL(M)	T-D-02B

REV.	DATUM DATUM DATE	OPMERKING BEMERKUNG REMARK
A	29-07-16	Zwaalampen
A	29-07-16	2e SIGNAL

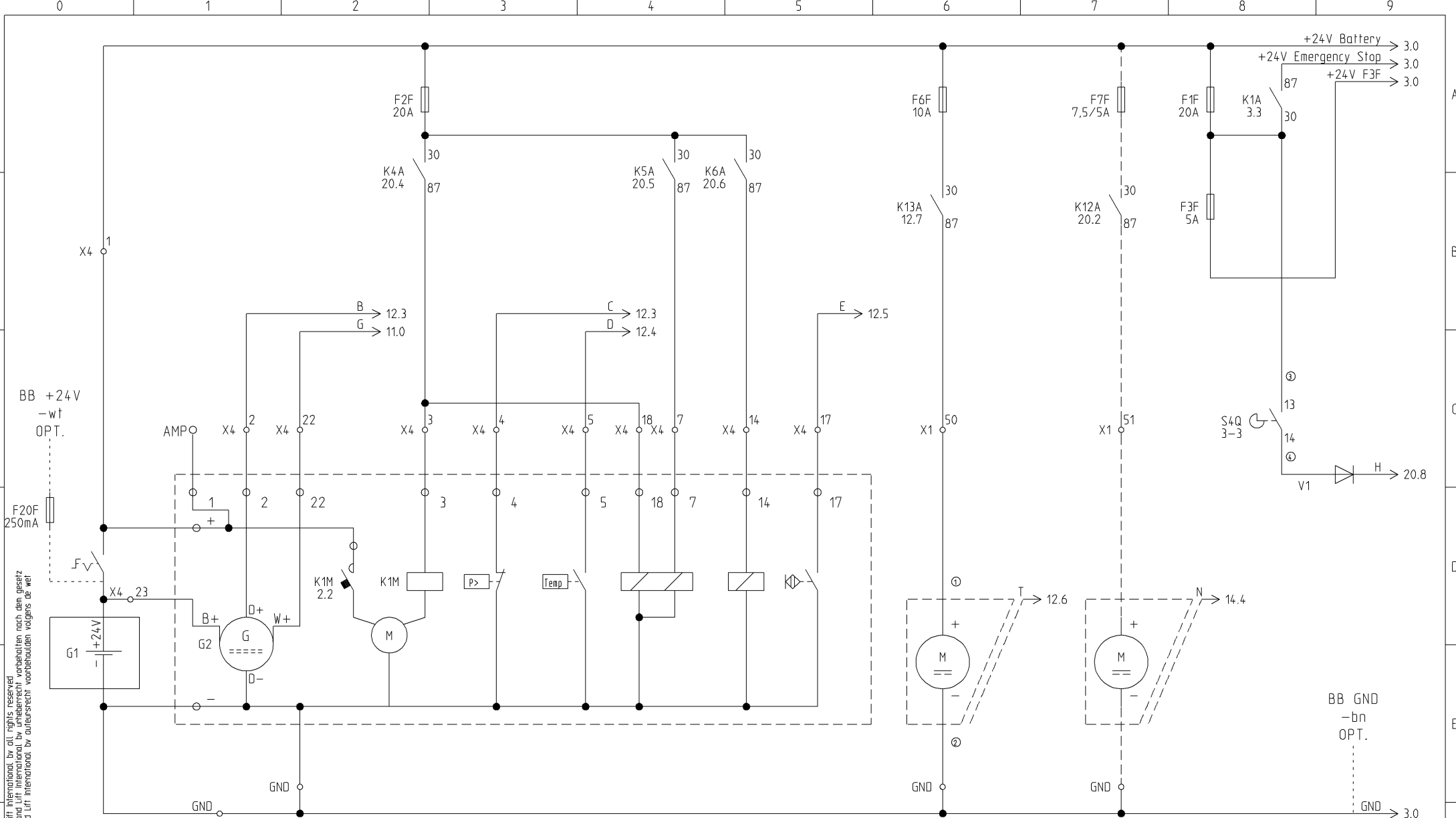
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INDEX BLAD  
 INDEX BLATT  
 INDEX SHEET

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Datum:	29.07.2016	Anlage:	=	Ort:	+
					Blatt: 1



Starter  
M | V  
2.2

Olgedruk Oelpressure  
Temp. Temp.  
Start Klep Start Valve  
Toeren Drehzahl Engine Speed  
Luchtfiler Luftfilter AIR - Filter  
Koeler Kuehler Cooler

Vetpomp Fett Pumpe  
Grease Pump  
Optie/Option  
Frame Dieselmotor Frame Diesel Engine

Zie Blz 24-26  
S. Blatt 24-26  
See Page 24-26

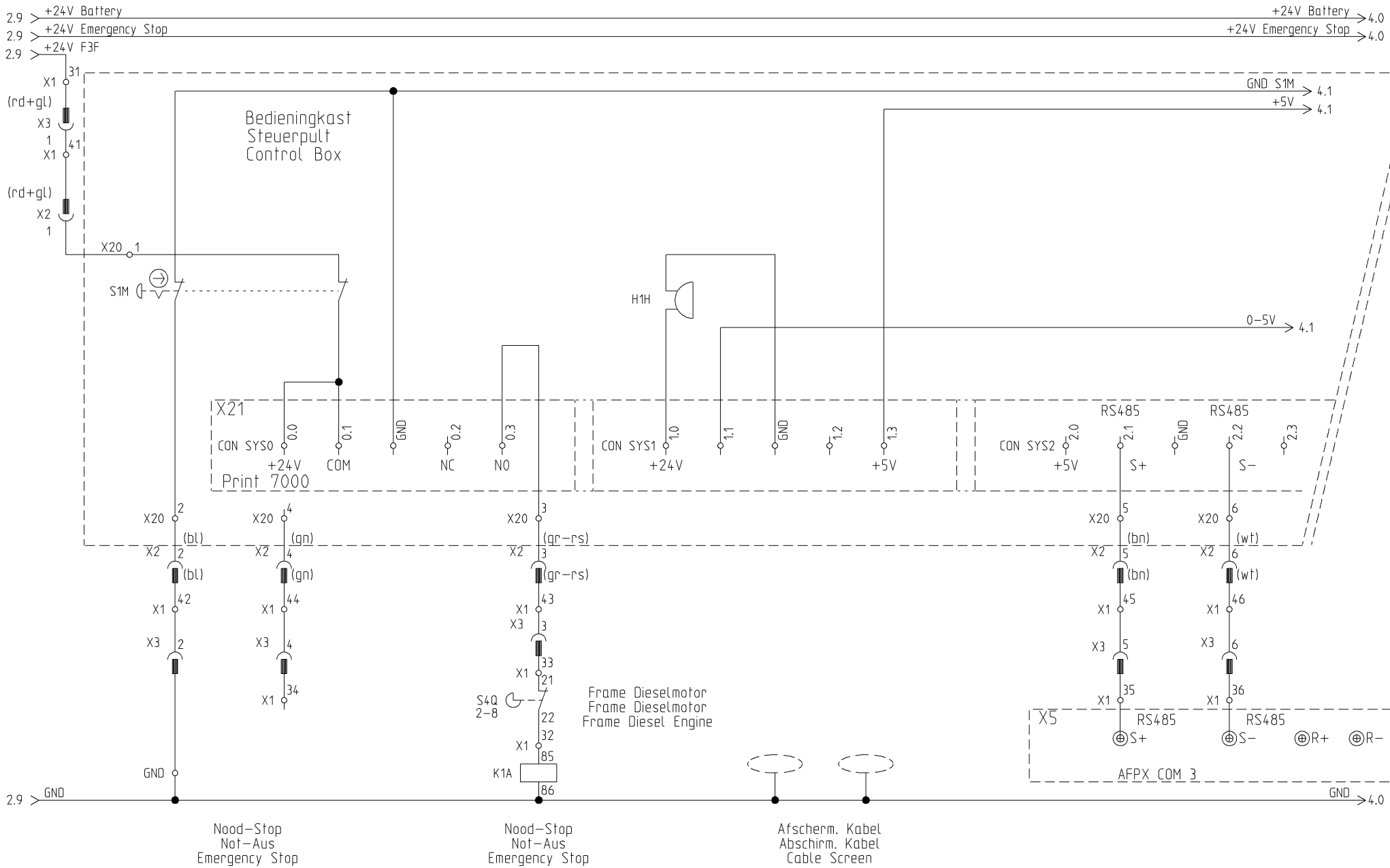
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STROOMKRINGSCHEMA  
STROMLAUFPLAN  
CIRCUIT DIAGRAM

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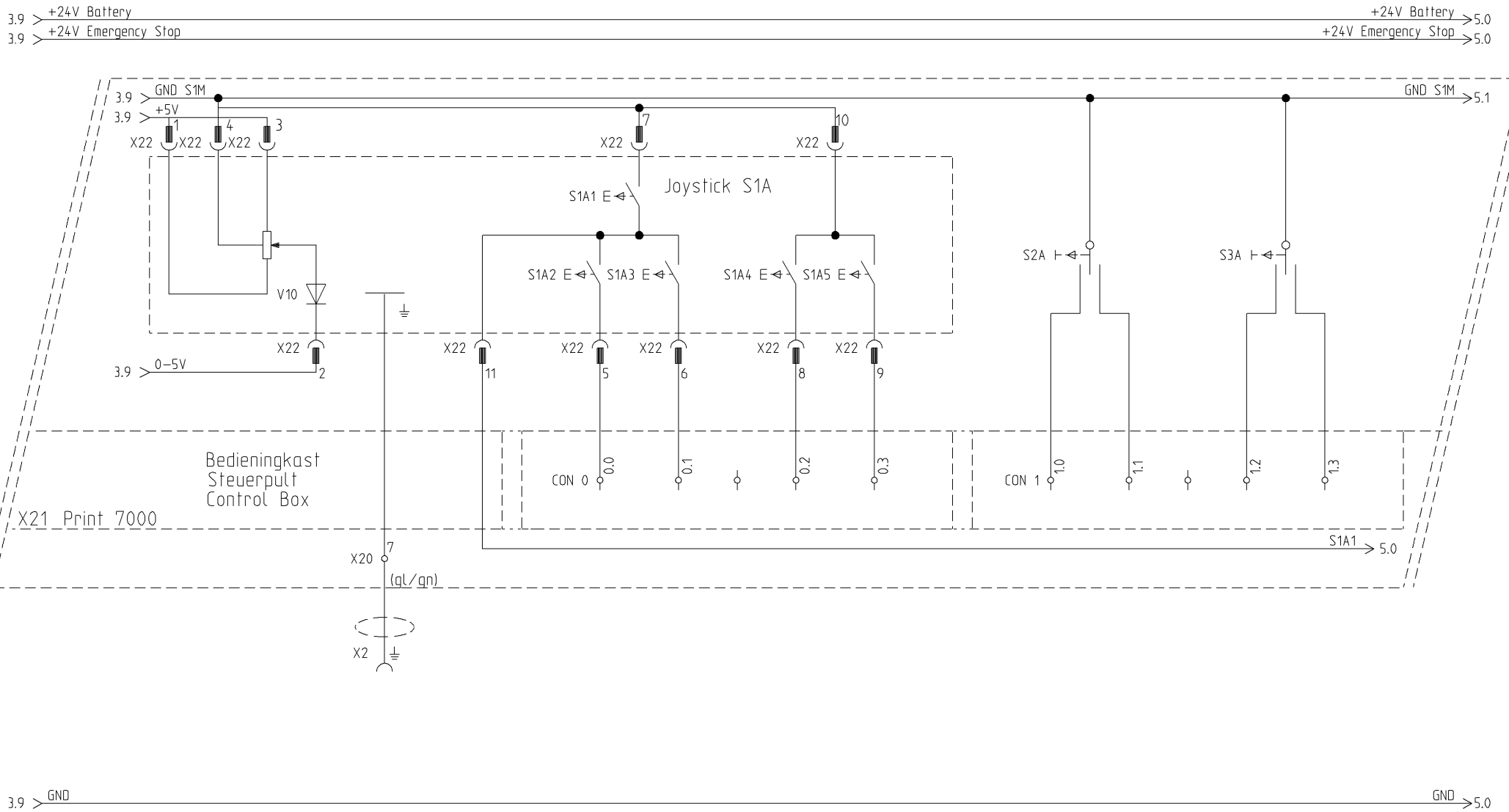
STROOMKRINGSCHEMA  
 STROMLAUFPLAN  
 CIRCUIT DIAGRAM

Projekt: ET-20-001  
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 erstellt von: Rothenbusch  
 Blatt: 3

M	V
2.8	



Bedieningkast  
Steuerpult  
Control Box

- S1A1 Dodemansknop
- Vooruit-Rijden-Achteruit
- Links-Sturen-Rechts
- Claxon-Sign.gever
- Sper/Diff
- Heffen
- Dalen
- S1A1 Totmansknop
- Vorw.-Fahren-Rueckw.
- Links-Lenken-Rechts
- Hupe-Signalgeber
- Sperr/Diff
- Heben
- Senken
- S1A1 Dead Man,s Button
- Forward-Driving-Reverse
- Left-Steering-Right
- Horn-Signal
- Slip/Diff
- Lift Up
- Lift Down

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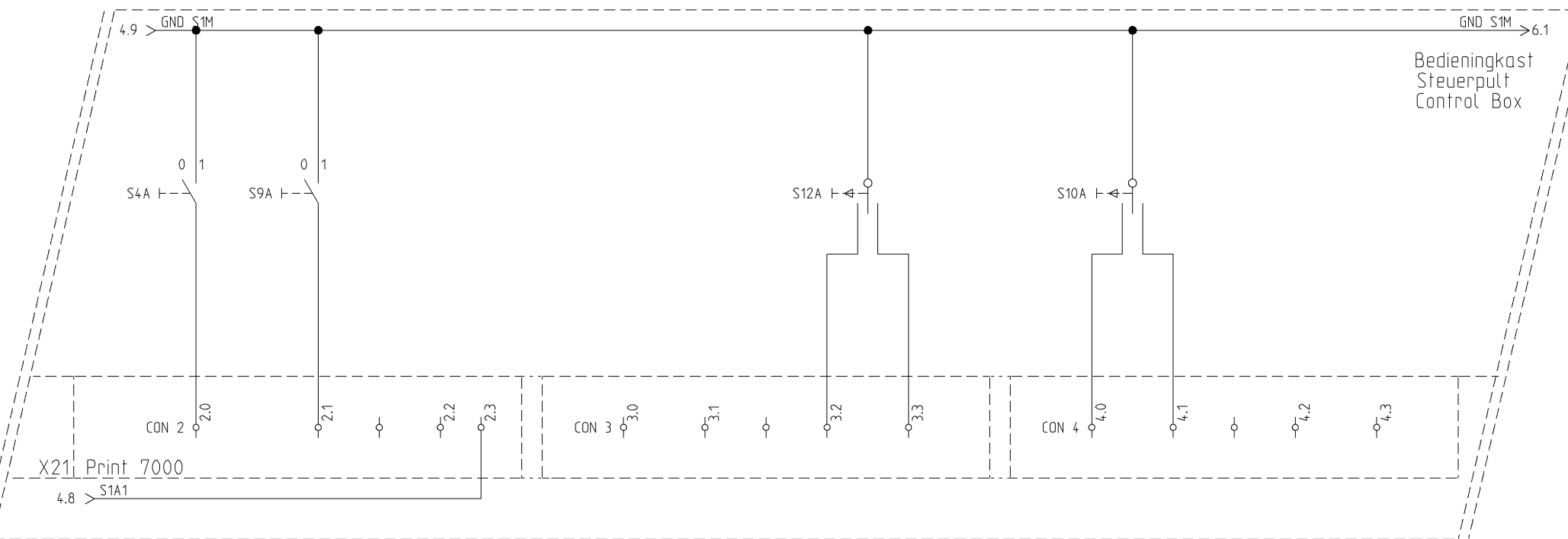
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STROOMKRINGSHEMA  
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4.9 > +24V Battery  
 4.9 > +24V Emergency Stop

+24V Battery > 6.0  
 +24V Emergency Stop > 6.0



Bedieningkast  
 Steuerpult  
 Control Box

X21, Print 7000

- S4A
- |   |   |          |         |      |
|---|---|----------|---------|------|
| 0 | = | Langzaam | Langsam | Slow |
| 1 | = | Snel     | Schnell | Fast |
- S9A
- |   |   |        |         |        |
|---|---|--------|---------|--------|
| 0 | = | Laag   | Niedrig | Low    |
| 1 | = | Autom. | Autom.  | Autom. |

Snelheid  
 Geschwindigkeit  
 Speed

Toerental  
 Drehzahl  
 Enging Speed

S1A1 Dodemansknop  
 S1A1 Totmansknop  
 S1A1 Dead Man,s Button

4xN-Stempels-Autom. Niveleer  
 4xN-Stuetzen-Autom. Nivel.  
 4xN-Jack-Autom. Nivel

In-Plattform-Uit  
 Ein-Plattform-Aus  
 In-Plattform-Out

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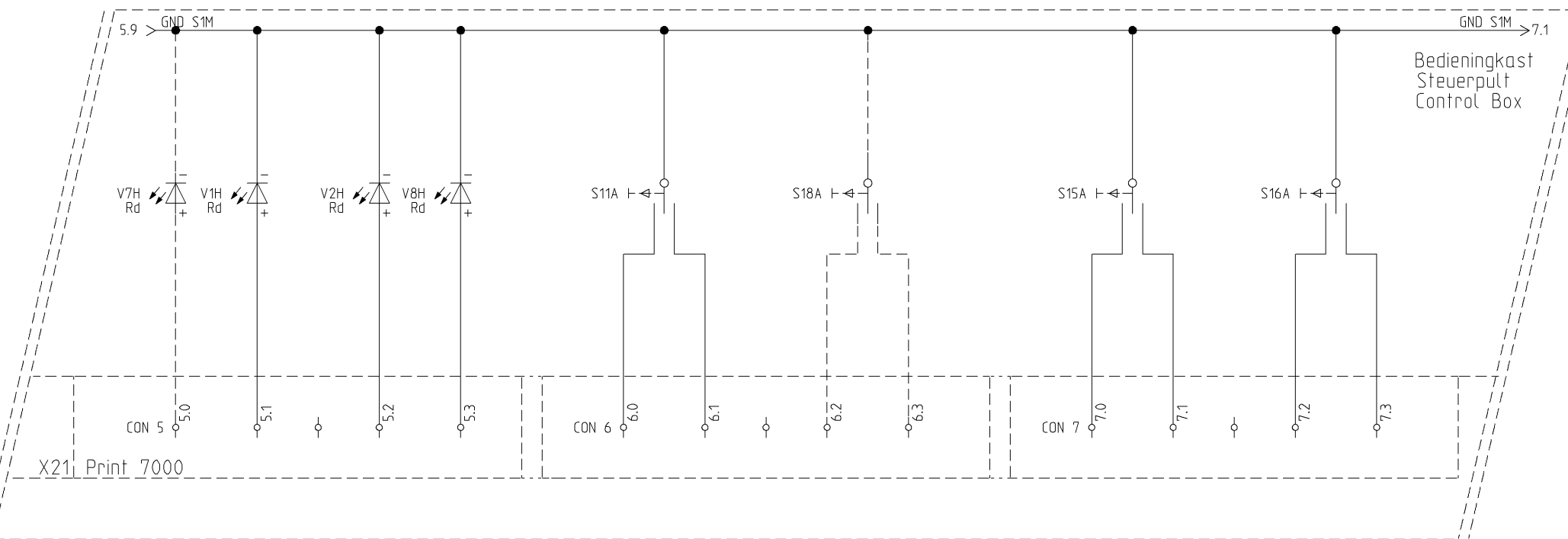
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STROOMKRINGSHEMA  
 STROMLAUFPLAN  
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5.9 > +24V Battery  
 5.9 > +24V Emergency Stop

+24V Battery > 7.0  
 +24V Emergency Stop > 7.0



5.9 > GND

GND > 7.0

Veltpomp    Overload    Scheefstand    Tank leeg  
 Fett Pumpe    Ueberlastung    Neigung    Tank leer  
 Grease Pump    Overload    Grade/Slope    Tank empty

Start - Motor - Stop  
 Start - Motor - Halt  
 Start - Engine - Stop

Aan Generator Uit  
 An Generator Aus  
 On Generator Off

LA in    LA uit    RA in    RA uit  
 LH ein    LH aus    RH ein    RH aus  
 LR in    LR out    RR in    RR out

Optie/Option

Optie/Option

Stempels-Stuetzen-Jacks    Stempels-Stuetzen-Jacks

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STROOMKRINGSHEMA  
 STROMLAUFPLAN  
 CIRCUIT DIAGRAM

Projekt: ET-20-001  
 Datum: 29.07.2016

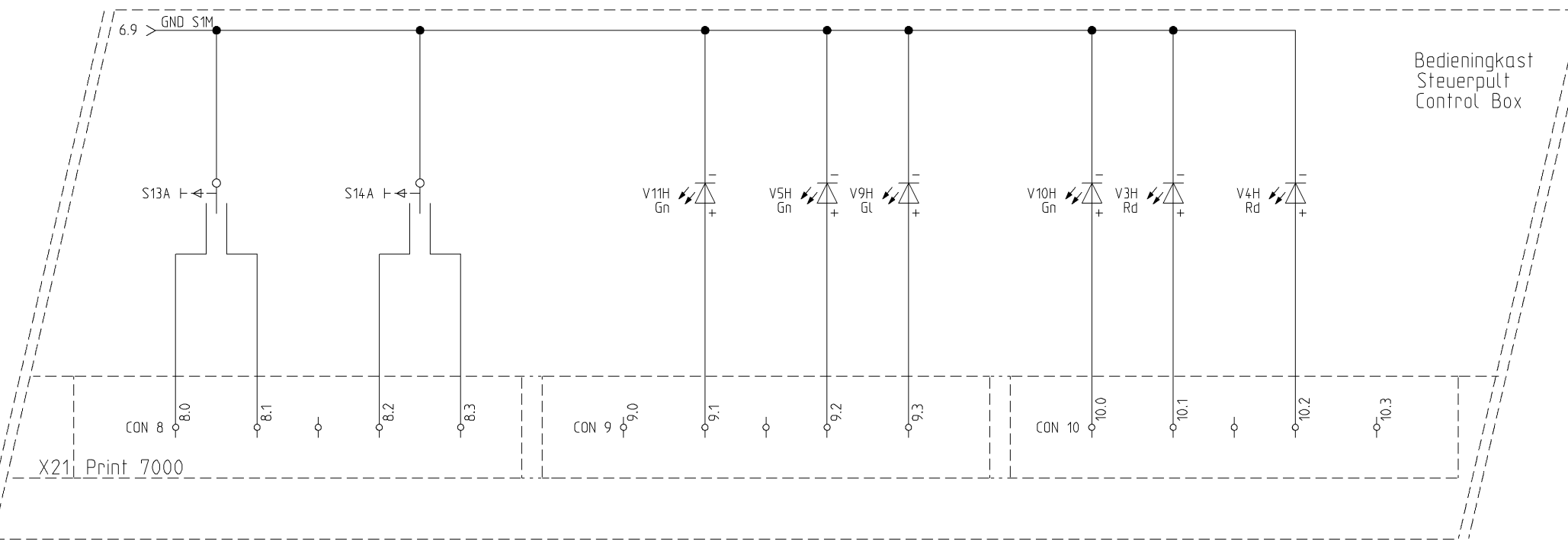
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 Anlage: =

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 Ort: +

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 Blatt: 6

6.9 > +24V Battery  
 6.9 > +24V Emergency Stop

+24V Battery > 8.0  
 +24V Emergency Stop > 8.0



6.9 > GND GND > 8.0

LV in  
LV ein  
LF in

LV uit  
LV aus  
LF out

RV in  
RV ein  
RF in

RV uit  
RV aus  
RF out

Stempels in  
Stuetzen ein  
Jacks in

Stempels uit  
Stuetzen aus  
Jacks out

Autom. Niv.  
Autom. Niv.  
Autom. Niv.

In Bedrijf  
In Betrieb  
Run

Storing  
Stoerung  
Failure

Pendelas Horizontal  
Pendel Achse Hor.  
Oscillating Axle Hor.

Stempels-Stuetzen-Jacks    Stempels-Stuetzen-Jacks

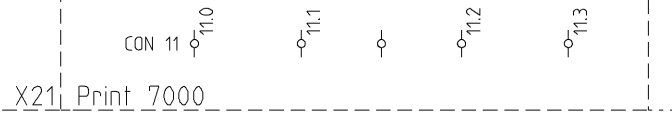
Diesel Motor

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7.9 > +24V Battery  
 7.9 > +24V Emergency Stop

+24V Battery > 9.0  
 +24V Emergency Stop > 9.0

Bedieningkast  
 Steuerpult  
 Control Box



7.9 > GND

GND > 9.0

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# HOLLAND LIFT

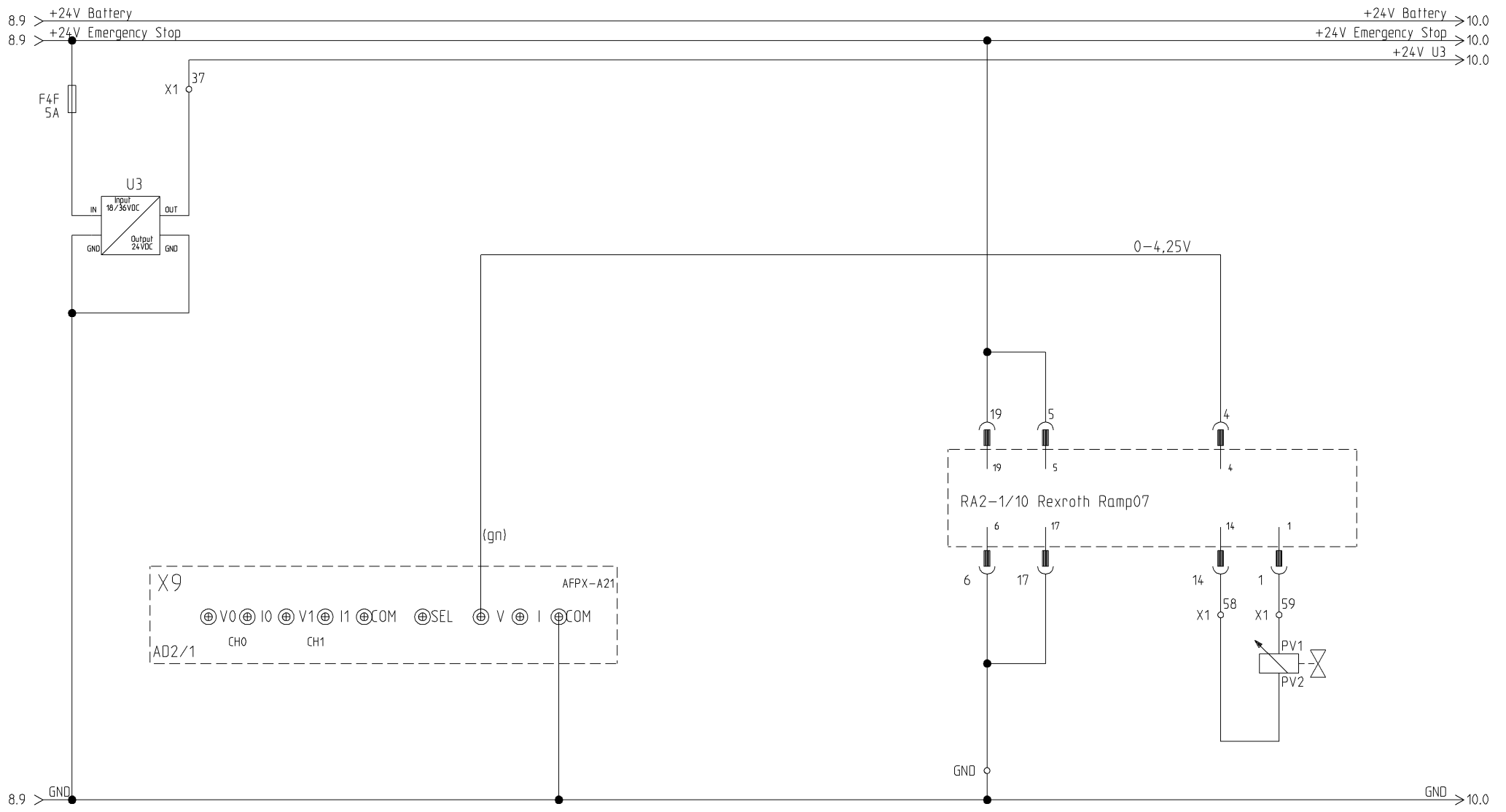
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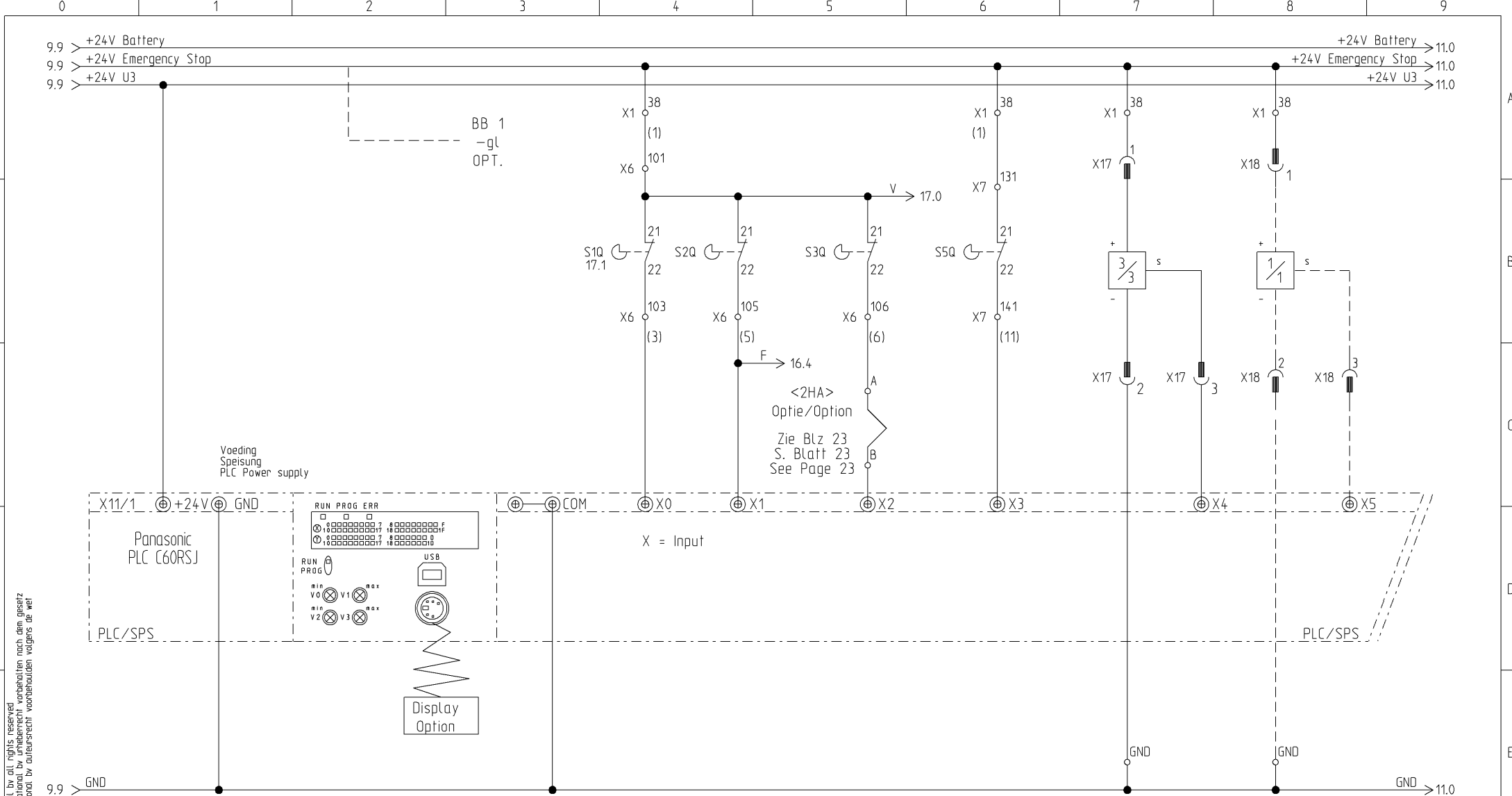
STROOMKRINGSCHEMA  
 STROMLAUFPLAN  
 CIRCUIT DIAGRAM

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4 mtr. Afslag  
 4 mtr. Ausschalt.  
 4 mtr. Cut-Out

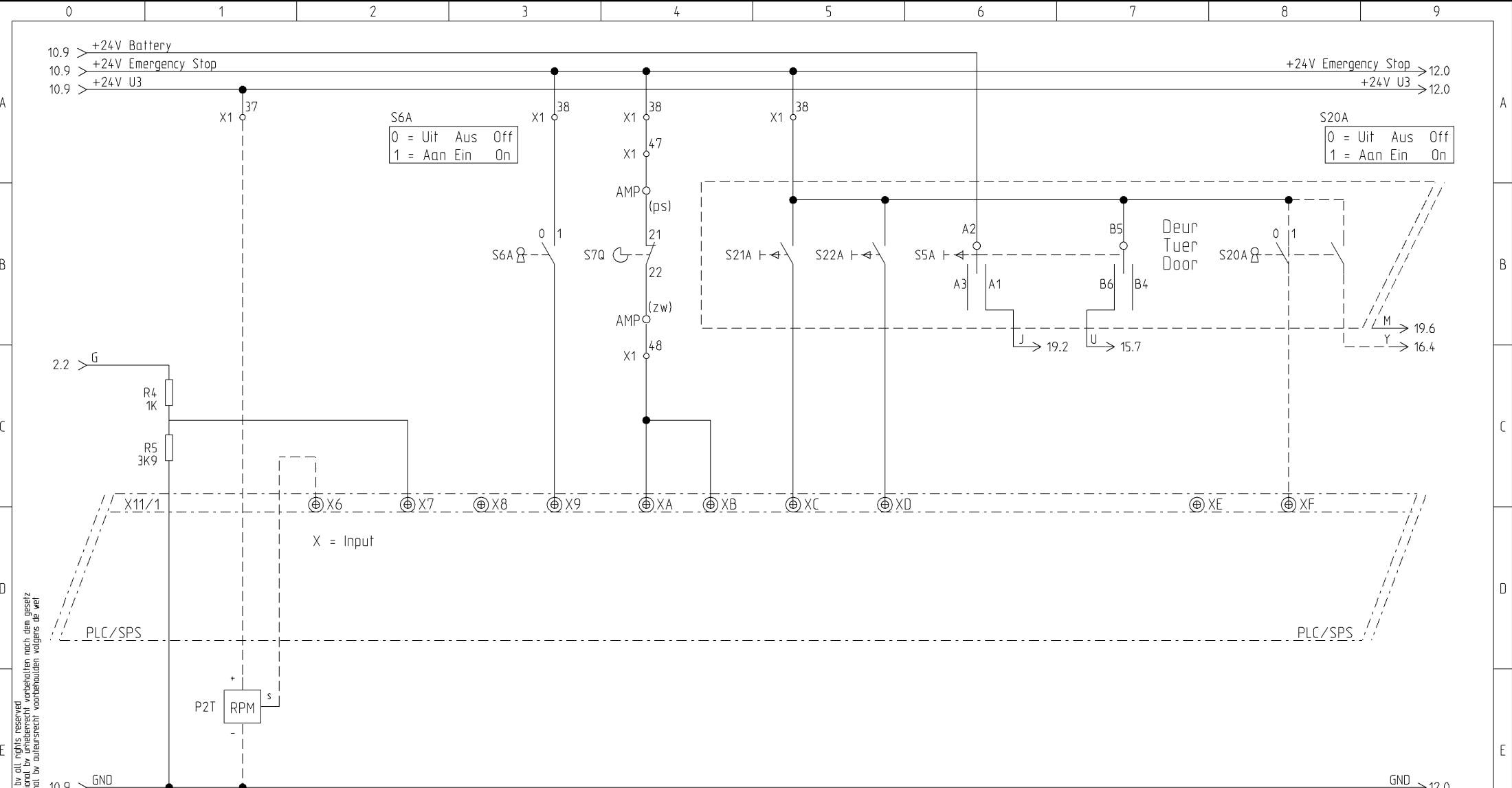
8 mtr. Afslag  
 8 mtr. Ausschalt.  
 8 mtr. Cut-Out

Max. Hodgte  
 Max. Hoehe  
 Max. Height

Pendelas Horizontal  
 Pendel Achse Hor.  
 Oscillating Axle Hor.

Scheefstand 3/3  
 Neigung 3/3  
 Grade/Slope 3/3

Scheefstand 1/1  
 Neigung 1/1  
 Grade/Slope 1/1  
 Optie/Option



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RPM Teller Gen. RPM Zaehler Gen. RPM Meter Gen.	W+ Dieselmotor	Reserve Reserve Spare	Overlastin Ueberlastung Overload	Start - Motor - Stop Start - Motor - Halt Start - Engine - Stop	Heffen - Dalem Heben - Senken Lift Up - Lift Down	Reserve Reserve Spare	Ri. max. Hoogte Fa. max. Hoehoe Dr. max. Height
Optie/Option							Optie/Option

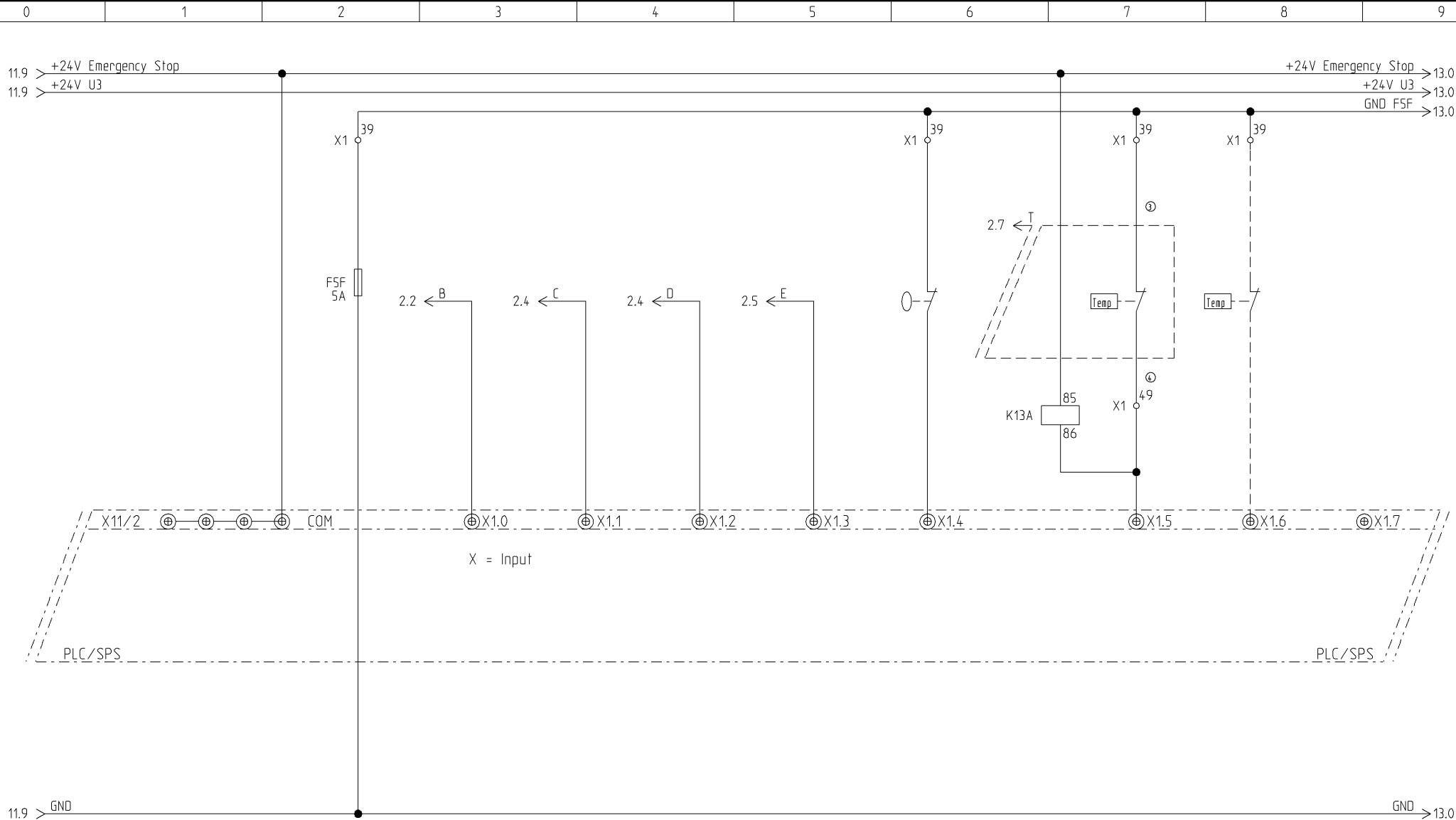


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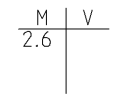
STROOMKRINGSHEMA  
 STROMLAUFPLAN  
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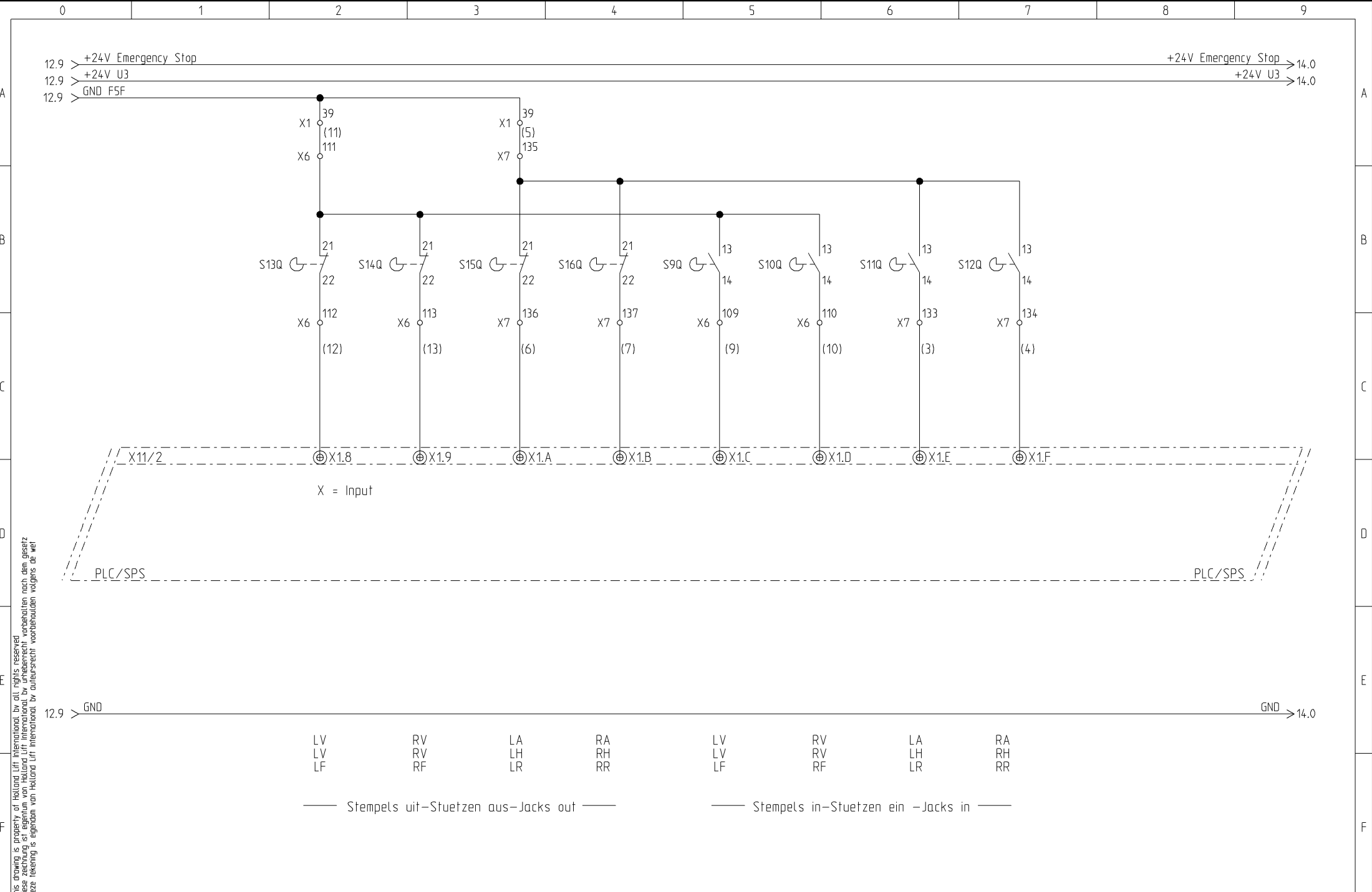
- Dynamo  
Dynamo  
Dynamo
  - Oliedruk  
Oeldruk  
Oilpressure
  - Temperatuur  
Temperatur  
Temperature
  - Luchtfilter  
Luffilter  
AIR - Filter
  - Tank leeg  
Tank Leer  
Tank empty
  - Koeler  
Kuehler  
Cooler
  - Temp. Hd. Olie  
Temp. Hd. Oel  
Temp. Hd. Oil
  - Reserve  
Reserve  
Spare
- Optie/Option



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STROOMKRINGSHEMA  
 STROMLAUFPLAN  
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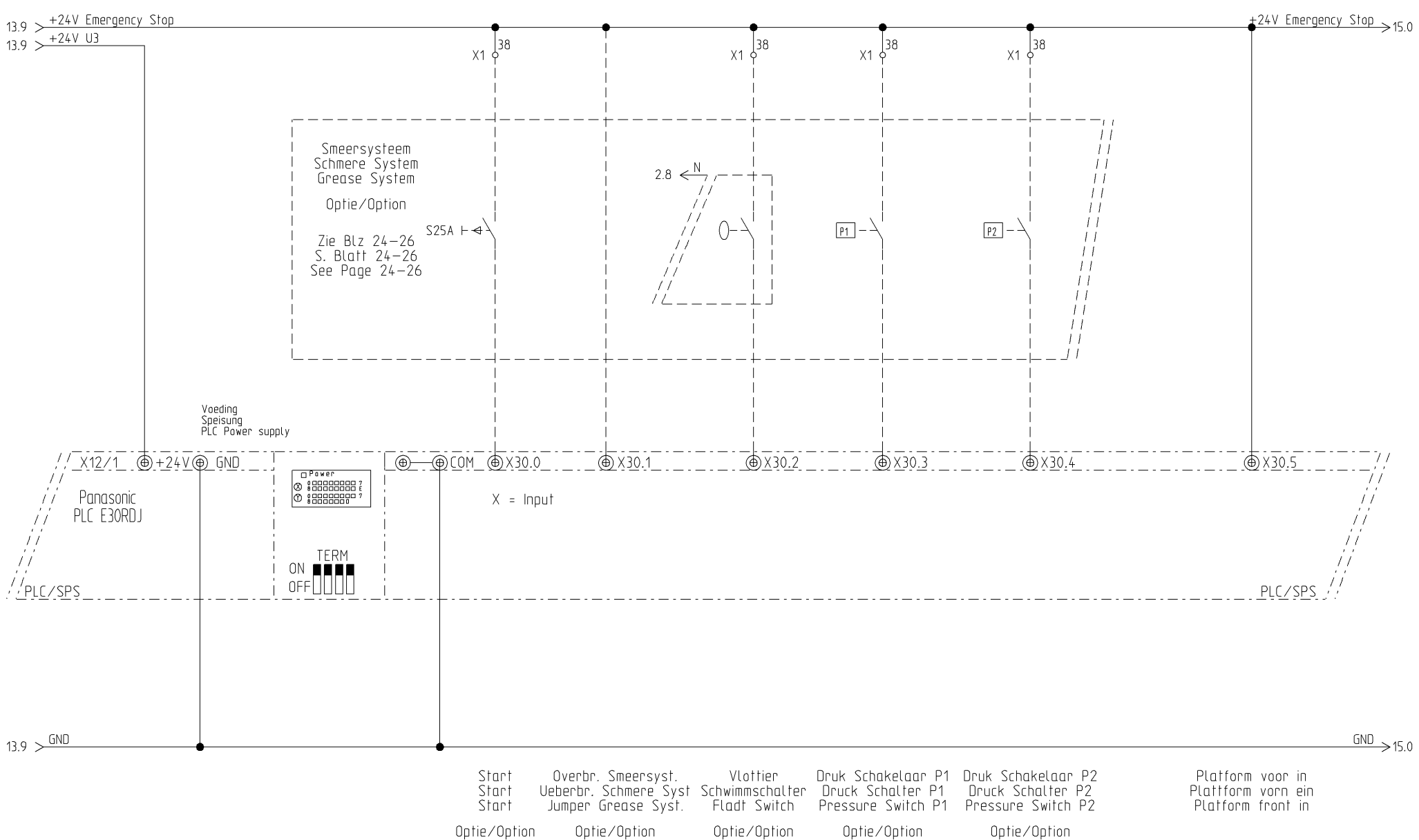


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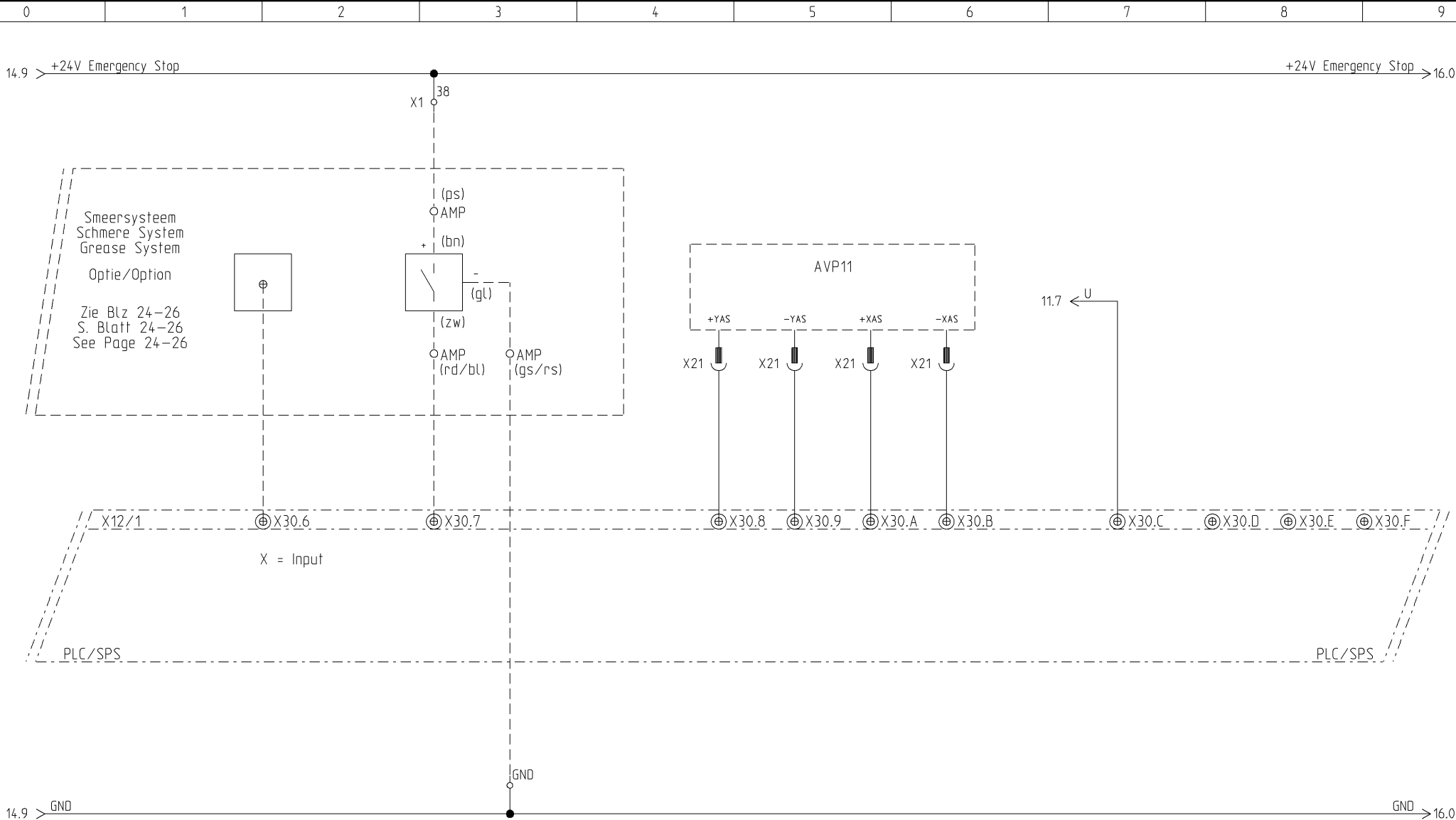
STROOMKRINGSCHEMA  
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Hli Test Smeersyst. Hli Test Schmere Syst. Hli Test Grease Syst. Optie/Option	Sensor laatste Smeerpunt Sensor letzter Schmierpunkt Sensor last Grease Point Optie/Option	Autom. Waterpas Autom. Horizontal Autom. Level	Heffen Lift Up	Reserve Reserve Spare	Reserve Reserve Spare	Reserve Reserve Spare
--	---	--	-------------------	-----------------------------	-----------------------------	-----------------------------

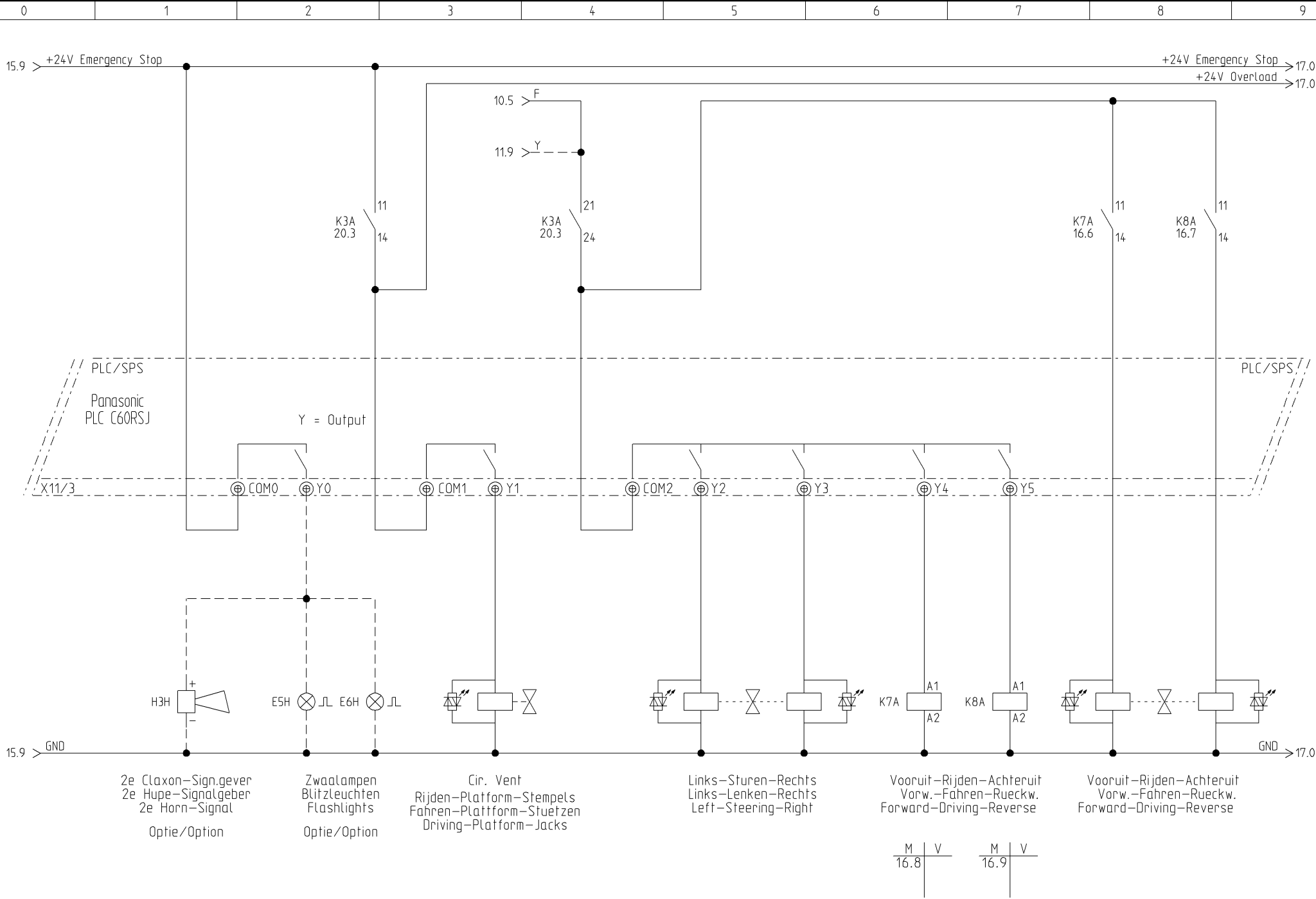


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STROOMKRINGSCHEMA  
 STROMLAUFPLAN  
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2e Claxon-Sign.gever  
2e Hupe-Signalgeber  
2e Horn-Signal  
Optie/Option

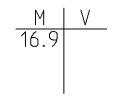
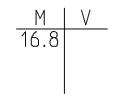
Zwaalampen  
Blitzleuchten  
Flashlights  
Optie/Option

Cir. Vent  
Rijden-Platform-Stempels  
Fahren-Plattform-Stuetzen  
Driving-Plattform-Jacks

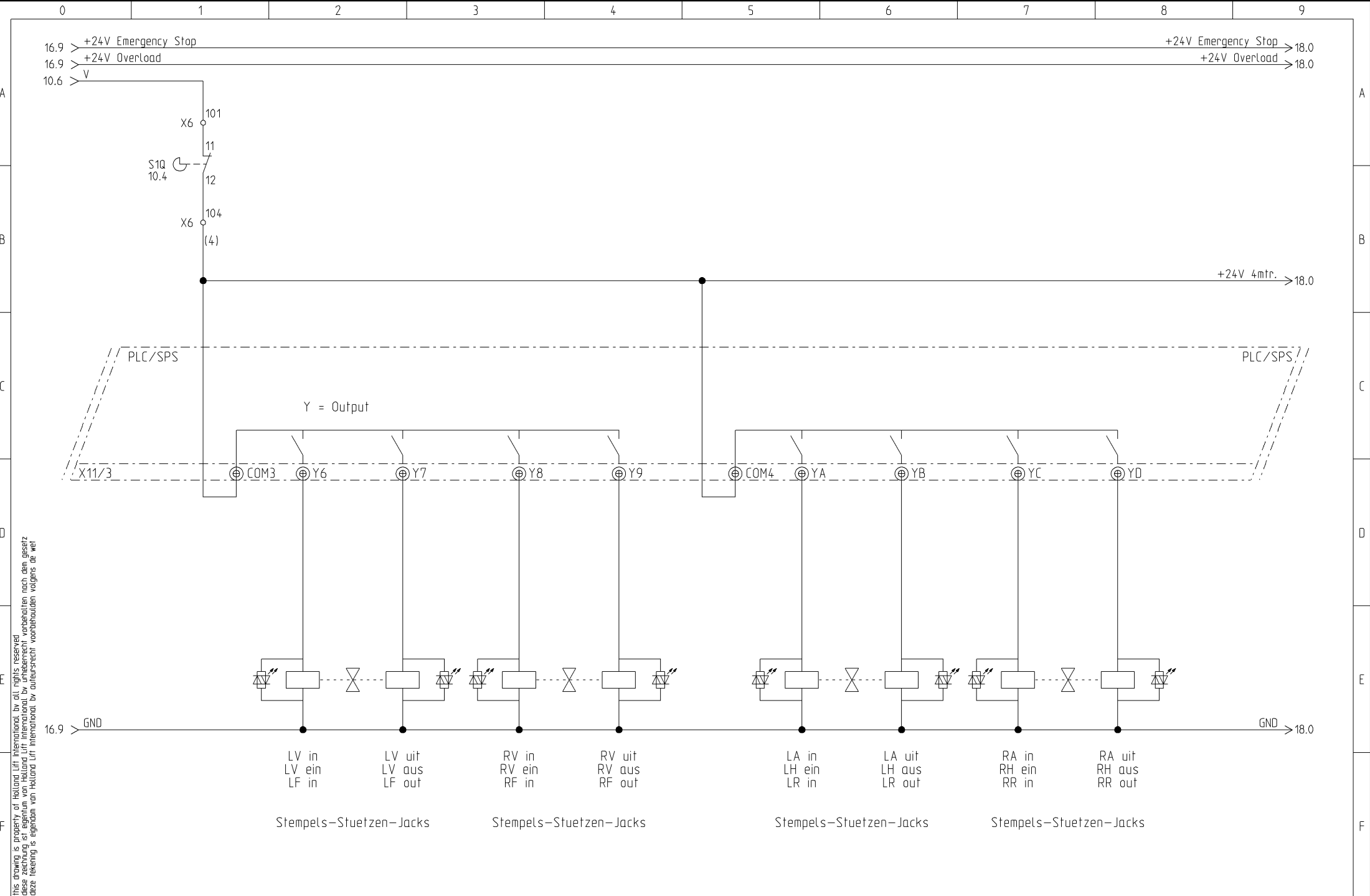
Links-Sturen-Rechts  
Links-Lenken-Rechts  
Left-Steering-Right

Vooruit-Rijden-Achteruit  
Vorw.-Fahren-Rueckw.  
Forward-Driving-Reverse

Vooruit-Rijden-Achteruit  
Vorw.-Fahren-Rueckw.  
Forward-Driving-Reverse







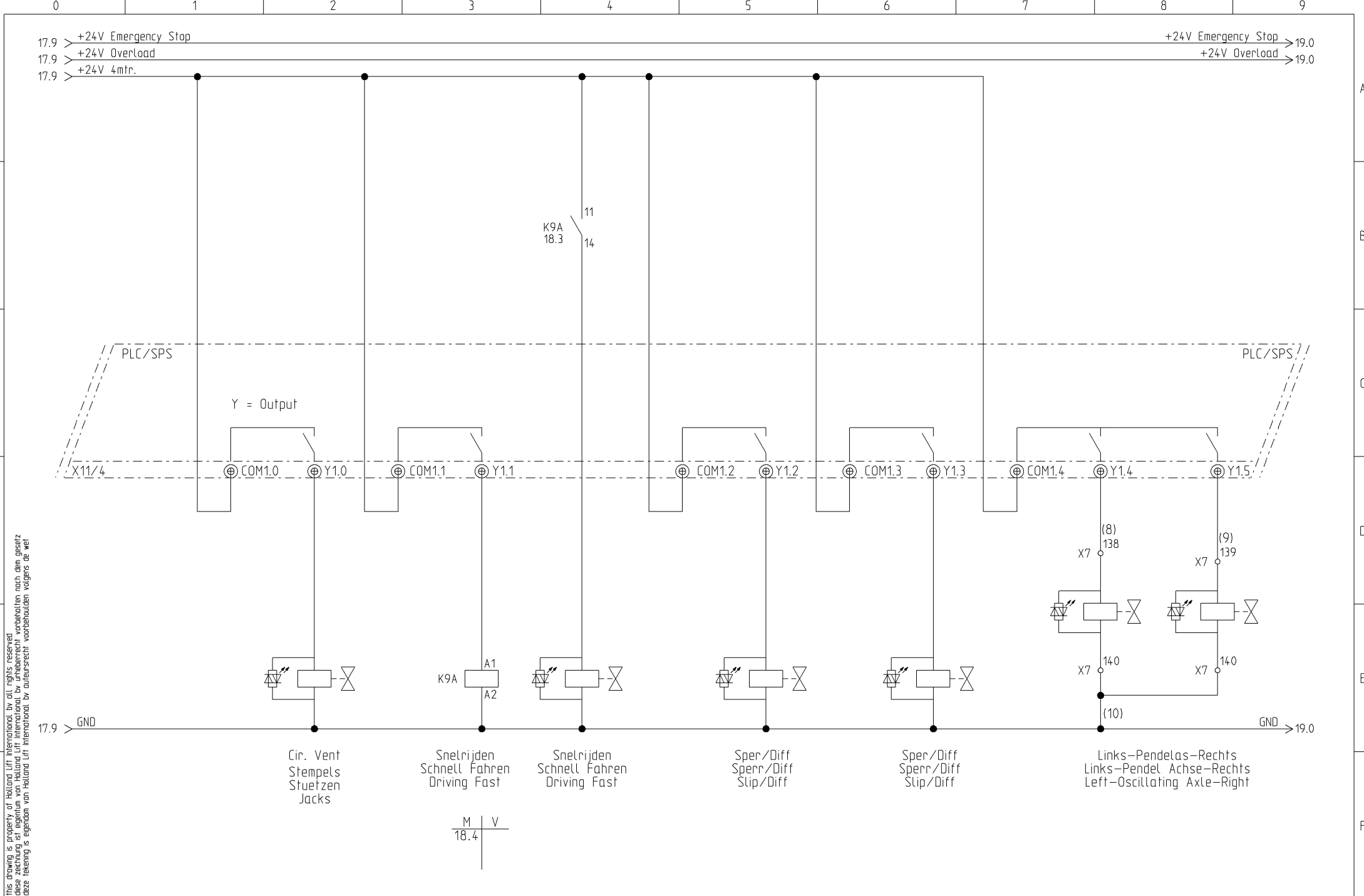
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STROOMKRINGSCHEMA  
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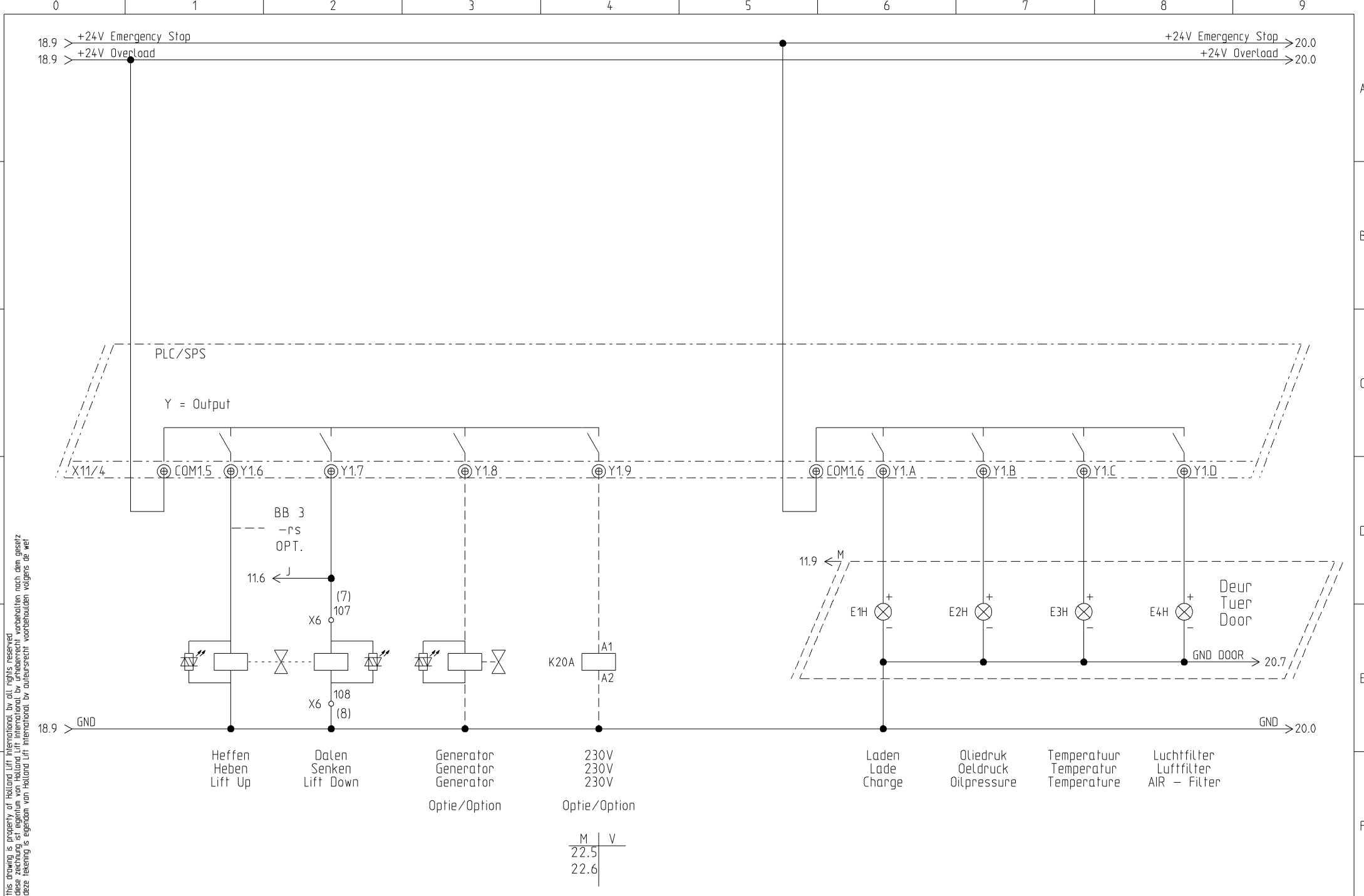
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 STROMLAUFPLAN  
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Zeichnungsnummer:  
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 Ort: +

erstellt von: Rothenbusch  
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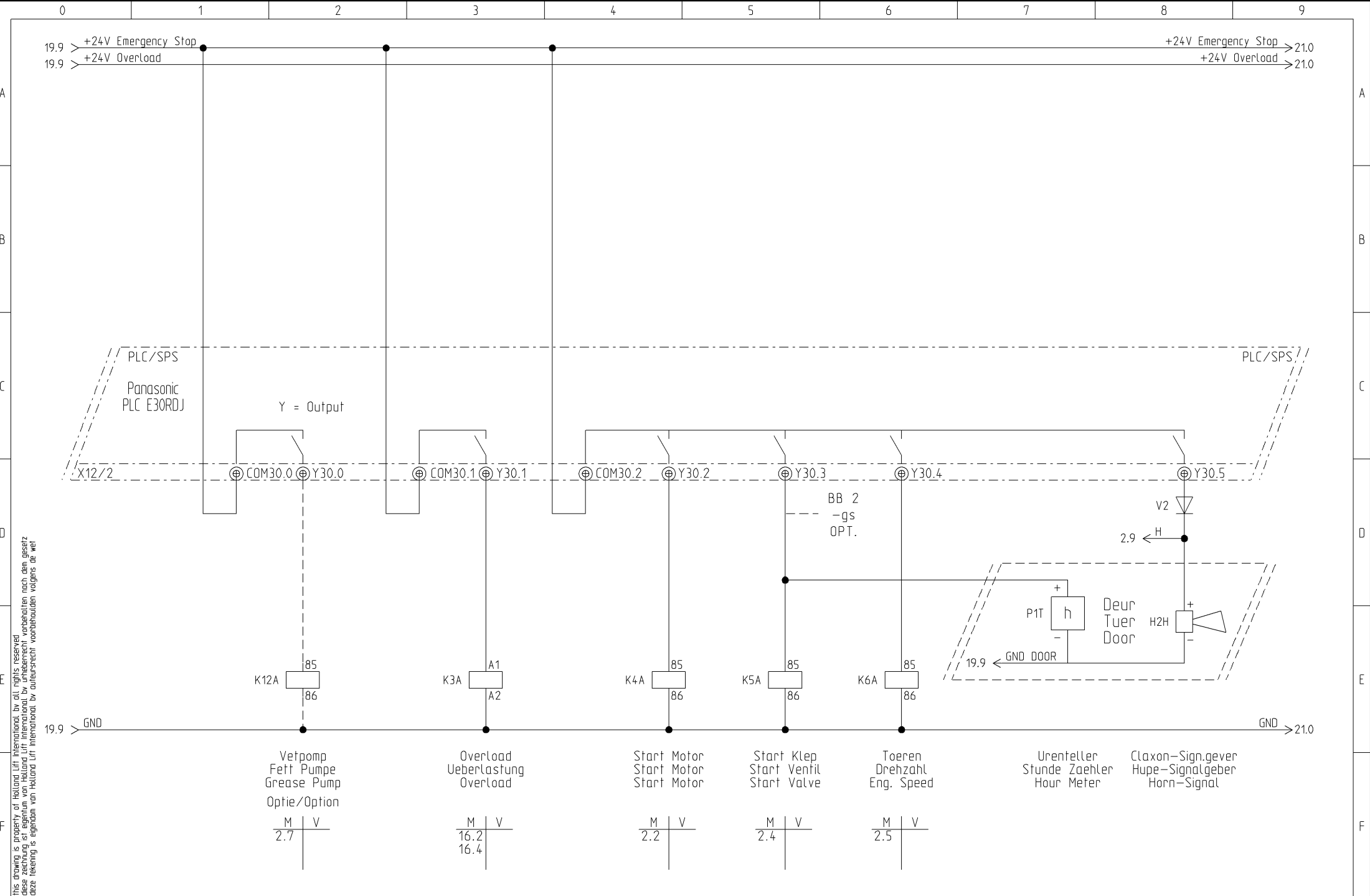
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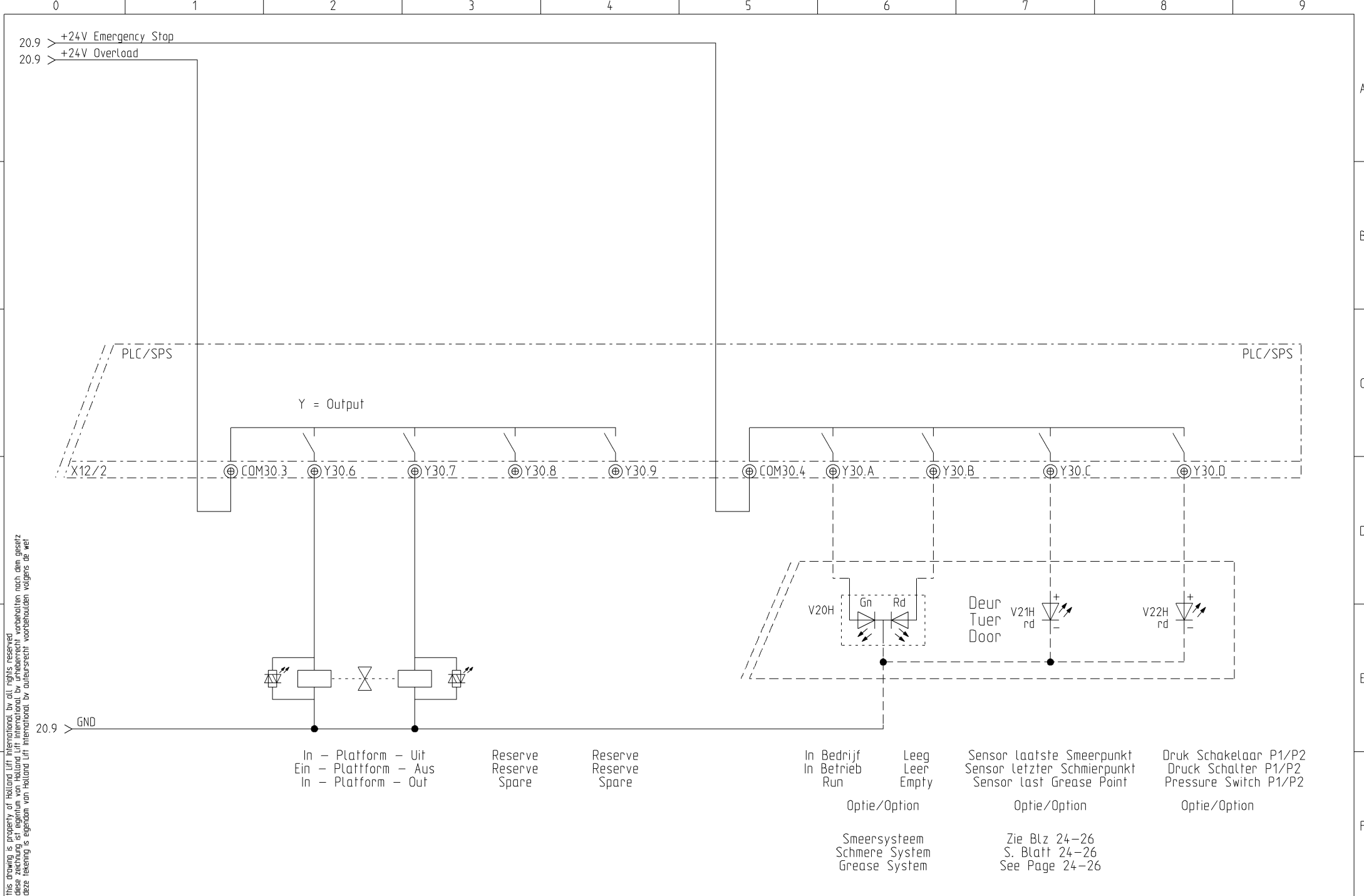
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STROOMKRINGSCHEMA  
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In - Platform - Uit  
 Ein - Plattform - Aus  
 In - Platform - Out

Reserve  
 Reserve  
 Spare

Reserve  
 Reserve  
 Spare

In Bedrijf  
 In Betrieb  
 Run

Leeg  
 Leer  
 Empty

Sensor laatste Smeerpunt  
 Sensor letzter Schmierpunkt  
 Sensor last Grease Point

Druk Schakelaar P1/P2  
 Druck Schalter P1/P2  
 Pressure Switch P1/P2

Optie/Option

Optie/Option

Optie/Option

Smeersysteem  
 Schmere System  
 Grease System

Zie Blz 24-26  
 S. Blatt 24-26  
 See Page 24-26



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STROOMKRINGSHEMA  
 STROMLAUFPLAN  
 CIRCUIT DIAGRAM

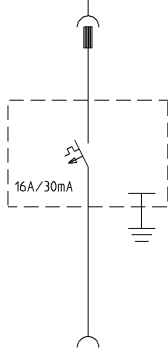
Projekt:	ET-20-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch
Datum:	29.07.2016	Anlage:	Ort:	+	Blatt:	21

OPTIES  
OPTIONEN  
OPTIONS

230V AANSLUITING PLATFORM  
230V ANSCHLUSS PLATTFORM  
230V SUPPLY PLATFORM

<230VPLF>

230V-50Hz/115V-50Hz

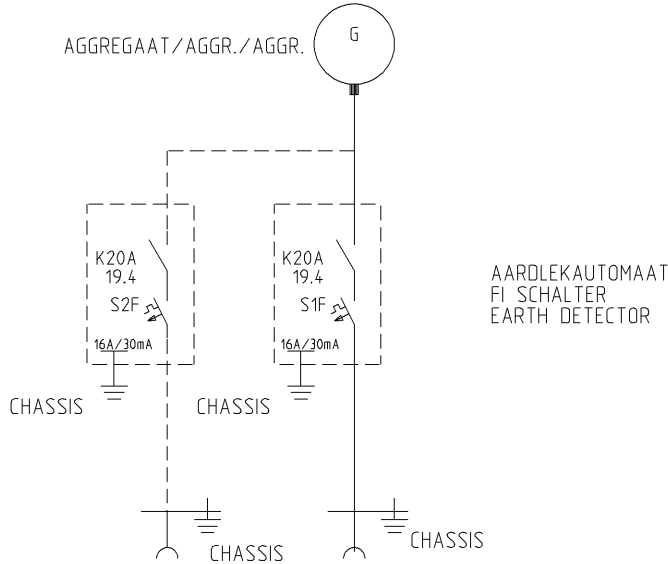


AARDLEKATOMAAT  
FI SCHALTER  
EARTH DETECTOR

230V AANSLUITING PLATFORM  
230V ANSCHLUSS PLATTFORM  
230V SUPPLY PLATFORM

<230V-GEN>

230V-50Hz/115V-50Hz



AGGREGAAT / AGGR. / AGGR.

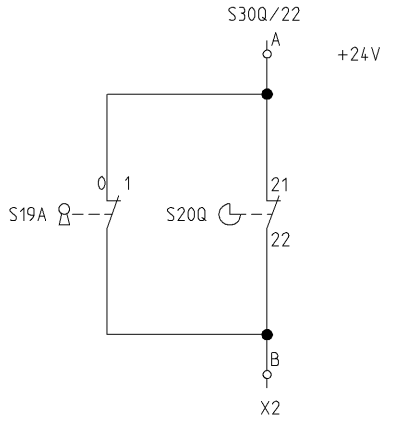
AARDLEKATOMAAT  
FI SCHALTER  
EARTH DETECTOR

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OPTIES  
OPTIONEN  
OPTIONS

2e HOOGTE AFLSAG  
2e HOEHE AUSSCHALTUNG  
2nd HEIGHT CUT-OUT

<2HA>



Zie Blz 10  
S. Blatt 10  
See Page 10

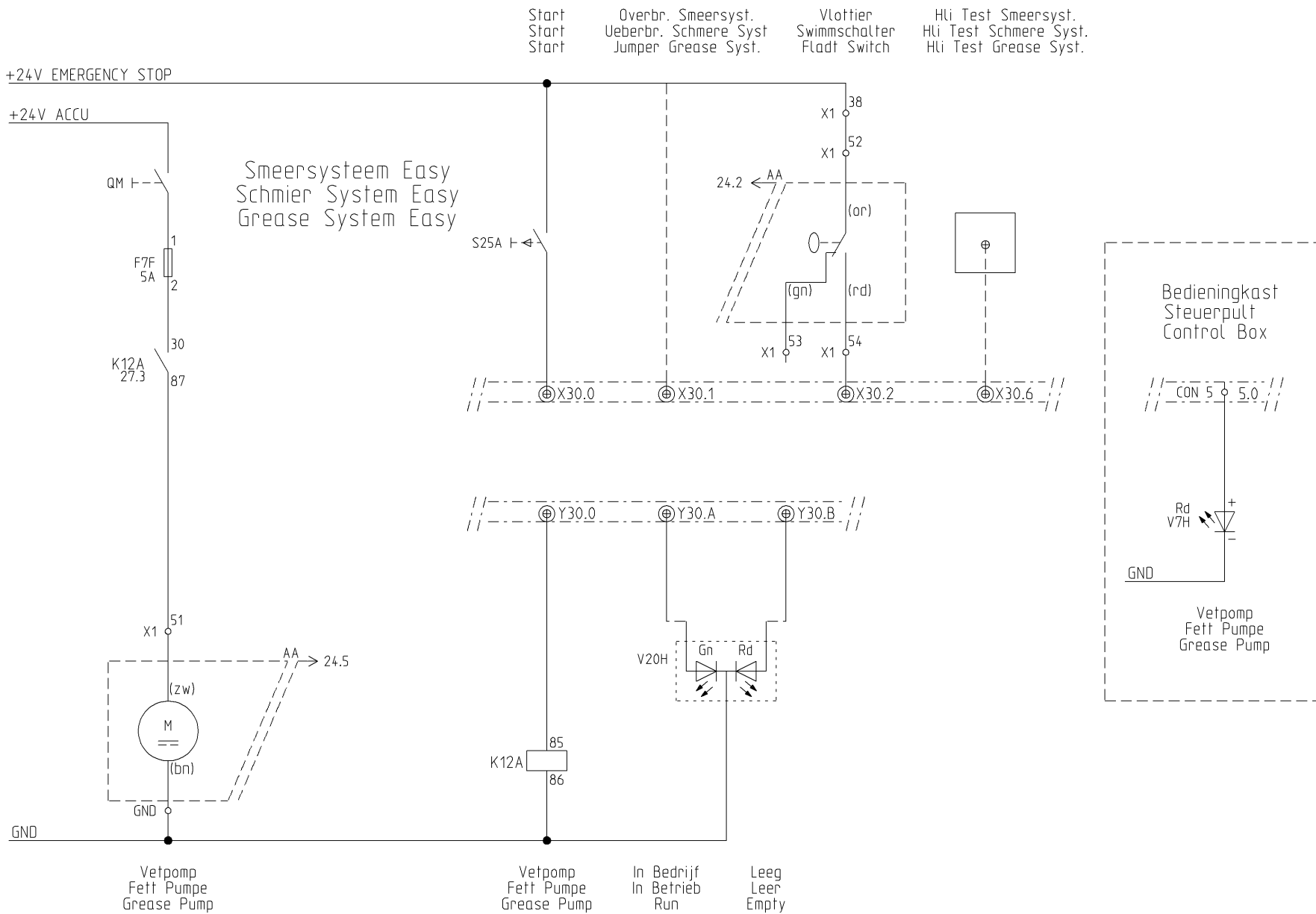
S19A

0 = Max. Hoogte/Max. Hoehe/Max. Height  
1 = 2e HOOGTE AFL./2e H. AUSS./2nd H. CUT-OUT

OPTIE BLACK-BOX MINI DAT					(HLI)
OPTION BLACK-BOX MINI DAT					
OPTION BLACK-BOX MINI DAT					
BB-wt	+24V DC	+24V DC	+24V DC	+24V DC	
BB-bn	GND	GND	GND	GND	
BB-gl	CH1	IN BEDRIJF	IN BETRIEB	RUNNING	
BB-gs	CH2	MOTOR	MOTOR	MOTOR	
BB-rs	CH3	HEFFEN	HEBEN	LIFT UP	
BB-bl	CH4	RIJDEN	FAHREN	DRIVING	
BB-rd	CH5	RESERVE	RESERVE	SPARE	

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OPTIES  
OPTIONEN  
OPTIONS



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OPTIES  
OPTIONEN  
OPTIONS

Projekt:	ET-20-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch
Datum:	29.07.2016	Anlage:	Ort:	+	Blatt:	24



# OPTIES OPTIONEN OPTIONS

Start	Overbr. Smeersyst.	Vlottier	Onderwagen P1	Schaar P2	Hli Test Smeersyst.	Sensor laatste Smeerpunt
Start	Ueberbr. Schmere Syst	Swimmschalter	Chassis P1	Schere P2	Hli Test Schmere Syst.	Sensor letzter Schmierpunkt
Start	Jumper Grease Syst.	Fladt Switch	Chassis P1	Scissor P2	Hli Test Grease Syst.	Sensor Last Grease Point

+24V EMERGENCY STOP

+24V ACCU

QM

Smeersysteem Beka  
Schmier System Beka  
Grease System Beka

F7F  
5A

S25A

K12A  
25.2

25.1

X1 38

X1 52

X1 3

X25 3

X25 5

X25 4

X25 6

X25 7

X25 8

X25 9

X1 53

X1 54

AMP

X1 55

AMP

X1 56

X1 38

X1 47

(ps)

AMP

(bn)

(zw)

AMP

(rd/bl)

X1 57

AMP

(gs/rs)

X30.0

X30.1

X30.2

X30.3

X30.4

X30.6

X30.7

Y30.0

Y30.A

Y30.B

Y30.C

Y30.D

X1 51

X25 1

X25 2

GND

K12A  
85  
86

V20H

V21H  
rd

V22H  
rd

Vetpomp  
Fett Pumpe  
Grease Pump

Vetpomp  
Fett Pumpe  
Grease Pump

In Bedrijf  
In Betrieb  
Run

Leeg  
Leer  
Empty

Sensor laatste Smeerpunt  
Sensor letzter Schmierpunkt  
Sensor Last Grease Point

Druk Schakelaar P1/P2  
Druck Schalter P1/P2  
Pressure Switch P1/P2

Bedieningskast  
Steuerpult  
Control Box

CON 5 5.0

Rd  
V4H

Vetpomp  
Fett Pumpe  
Grease Pump

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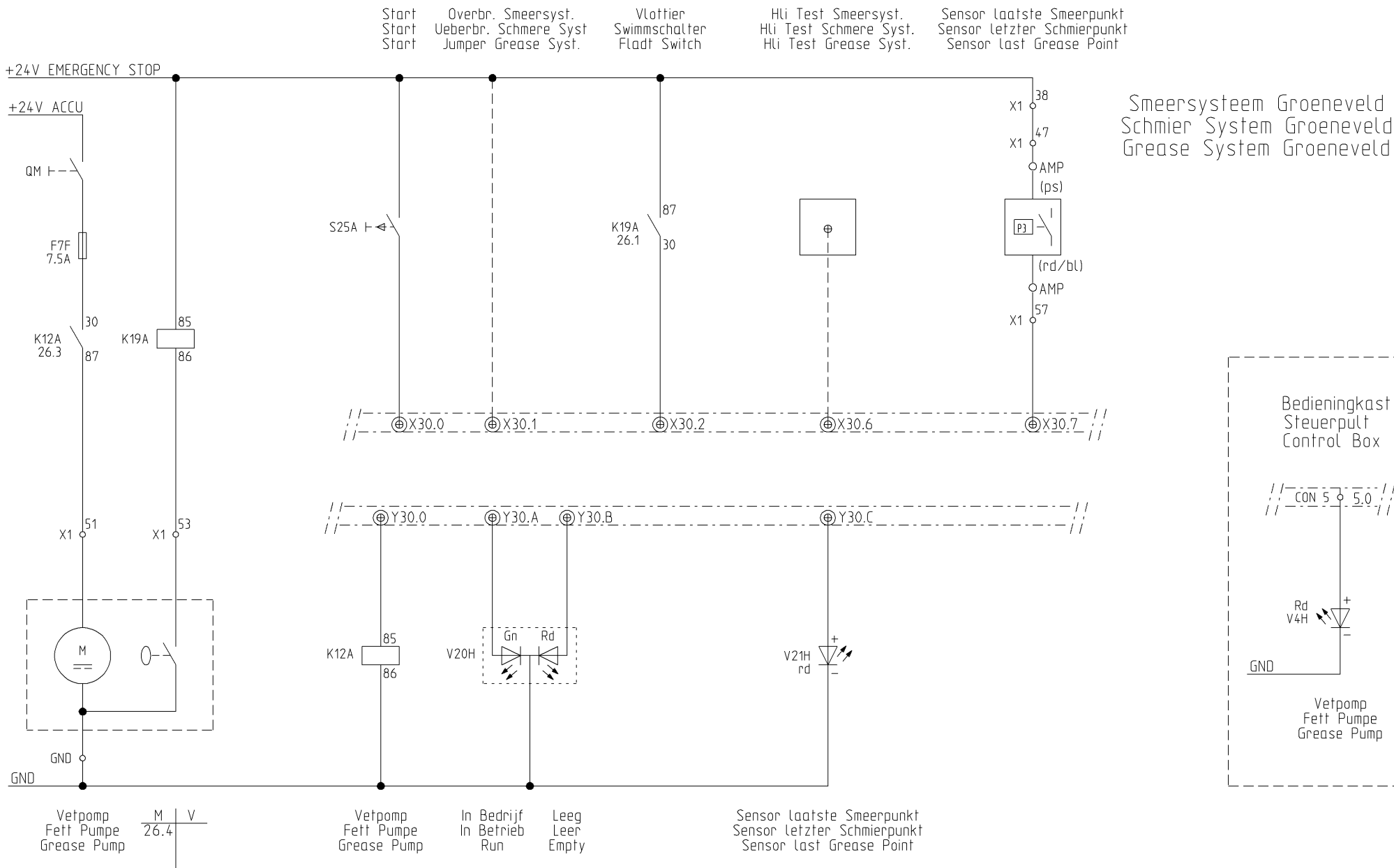


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OPTIES  
OPTIONEN  
OPTIONS

Projekt:	ET-20-001	Zeichnungsnummer:	Rev.:	A	erstellt von:	Rothenbusch
Datum:	29.07.2016	Anlage:	Ort:	=	Blatt:	25

# OPTIES OPTIONEN OPTIONS



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# KLEMMENKAST KLEMMENKASTEN CONNECTION BOX

WARTEL KABELINF. GLAND NR.	KLEM KLEMME TERMINAL NR	FUNKTIE	FUNKTION	FUNCTION
1.1	φ 1	Voeding +24V	Speisung +24V	Power Supply +24V
1.2	GND	Voeding GND	Speisung GND	Power Supply GND
1.3	φ 23	+ Generator	+ Generator	+ Generator
2	DIV/VAR	Diesel	Diesel	Diesel
3.1	φ 38-GND-X4	Scheefstand	Neigung	Inclination
3.2	DIV/VAR	Auto Niv.	Auto Niv.	Auto Niv.
4.1	φ 38-GND-X5	Scheefstand Opt.	Neigung Opt.	Inclination Opt.
4.2	DIV/VAR	Koeler	Kuehler	Cooler
5.1	YA-GND	Stempels LA in	Stuetzen LH ein	Jacks LR in
5.2	YB-GND	Stempels LA uit	Stuetzen LH aus	Jacks LR out
6.1	YC-GND	Stempels RA in	Stuetzen RH ein	Jacks RR in
6.2	YD-GND	Stempels RA uit	Stuetzen RH aus	Jacks RR out
7.1	Y6-GND	Stempels LV in	Stuetzen LV ein	Jacks LF in
7.2	Y7-GND	Stempels LV uit	Stuetzen LV aus	Jacks LF out
8.1	Y8-GND	Stempels RV in	Stuetzen RV ein	Jacks RF in
8.2	Y9-GND	Stempels RV uit	Stuetzen RV aus	Jacks RF out
9	DIV/VAR	Lasdoos voor X6	Verteilerdose vorn X6	Connect. Box front X6
10	DIV/VAR	Lasdoos achter X7	Verteilerdose hinten X7	Connect. Box rear X7
11.1	Y1.2-GND	Sper/Diff. Ventiel	Sperr/Diff. Ventil	Stip/Diff. Valve
11.2	Y1.3-GND	Sper/Diff. Ventiel	Sperr/Diff. Ventil	Stip/Diff. Valve
12.1	K9A:14-GND	Snelrijden	Schnell Fahren	Driving Fast
12.2	Y1-GND	Cir. Vent Ri.-Pl.-St.	Cir. Vent. Fa.-Pl.-St.	Cir. Valve Dr.-Pl.-Ja.
13.1	K7A:14-GND	Rijden Vooruit	Fahren Vorwaerts	Driving Forward
13.2	K8A:14-GND	Rijden Achteruit	Fahren Rueckwaerts	Driving Reverse
14.1	Y1.6-GND	Heffen	Heben	Lift Up
14.2	Y1.0-GND	Cir. Ventiel Stempels	Cir. Ventil Stuetzen	Cir. Valve Jacks
15.1	Y2-GND	Sturen Links Voor	Lenken Links Vorn	Steering Left Front
15.2	Y3-GND	Sturen Rechts Voor	Lenken Rechts Vorn	Steering Right Front
16.1	Y30.6-GND	Platform in	Plattform ein	Platform in
16.2	Y30.7-GND	Platform uit	Plattform aus	Platform out
17.1	φ 58 - φ 59	Prop. Ventiel	Prop. Ventil	Prop. Valve
17.2	DIV/VAR	Frame Dieselmotor	Frame Dieselmotor	Frame Diesel Engine

WARTEL KABELINF. GLAND NR.	KLEM KLEMME TERMINAL NR	FUNKTIE	FUNKTION	FUNCTION
18.1	Y1.8-GND	Hydr. Aggregaat Opt.	Hydr. Aggr. Opt.	Hydr. Aggr. Opt.
18.2	DIV/VAR	RPM Teller Generator	RPM Zaehler Generator	RPM Meter Generator
19.1	Y1.9-GND	Relais Aggregaat Opt.	Relais Aggr. Opt.	Relais Aggr. Opt.
19.2	φ 39 -X1.4	Tank leeg Opt.	Tank Leer Opt.	Tank empty Opt.
20	DIV/VAR	WCD Onderwagen 6PM	WCD Unterwagen 6PM	Socket Below 6PM
21	DIV/VAR	WCD Platform 6PM	WCD Plattform 6PM	Socket Platform 6PM
22	DIV/VAR	Stekker Onderw. 6PF	Stecker Unterw. 6PF	Plug Below 6PF
23	DIV/VAR	Smeersytem Opt.	Schmiere System Opt.	Grease System Opt.
24	φ 39 -X1.6	Temp. Hd. Olie Opt.	Temp. Hd. Oel Opt.	Temp. Hd. Oil Opt.
25	DIV/VAR	Minidat Optie	Minidat Option	Minidat Option

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KASTEN/BEKABELING  
 KASTEN/KABEL  
 BOXES/CABLES

Projekt: ET-20-001

Zeichnungsnummer:

Rev.: A

erstellt von:  
Rothenbusch

Datum: 29.07.2016

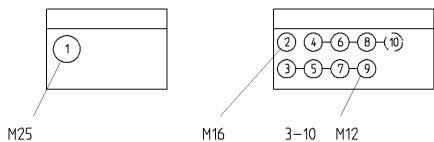
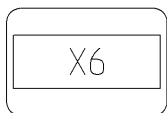
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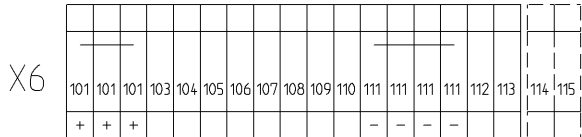
Blatt: 28

LASDOOS AFSLAGEN  
VERTEILERDOSE HOEHEAUSCHALTUNG  
MAXIMUM HEIGHT DISTRBUOR BOX

LASDOOS ACHTER  
VERTEILERDOSE HINTEN  
DISTRBUOR BOX REAR

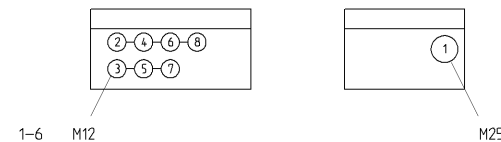
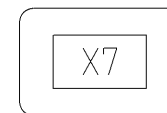


OPT.  
<ZHA>

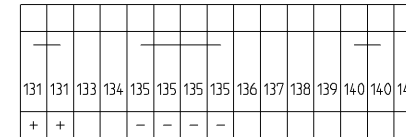


FSF

NR.	Omschrijving	Beschreibung	Descreption
1	Kabel Klemmenkast	Kabel Klemmenkasten	Cable Connection Box
2	4mtr. Afslag S1Q	4mtr. Ausschaltung S1Q	4mtr. Cut-out S1Q
3	8mtr. Afslag S2Q	8mtr. Ausschaltung S2Q	8mtr. Cut-out S2Q
4	Max. Hooqte Afslag S3Q	Max. Hoehe Ausschaltung S3Q	Max. Height Cut-out S3Q
5	Dalen	Senken	Lift Down
6	Eindschak. LV in S9Q	Endschalter LV ein S9Q	Limit Switch LF in S9Q
7	Eindschak. LV uit S13Q	Endschalter LV aus S13Q	Limit Switch LF out S13Q
8	Eindschak. RV in S10Q	Endschalter RV ein S10Q	Limit Switch RF in S10Q
9	Eindschak. RV uit S14Q	Endschalter RV aus S14Q	Limit Switch RF out S14Q
10	2e hooqte Afslag Optie	2e hoehe Ausschaltung Option	2nd height cut-out Option



X7

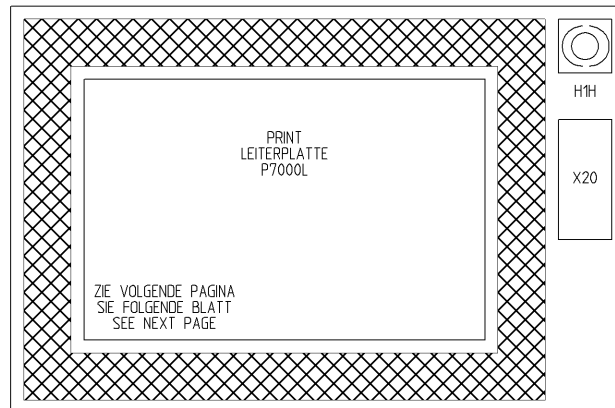
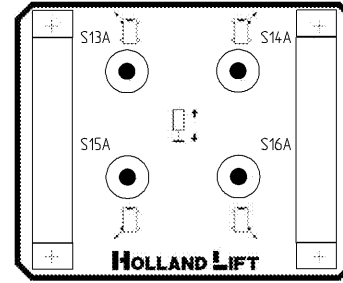
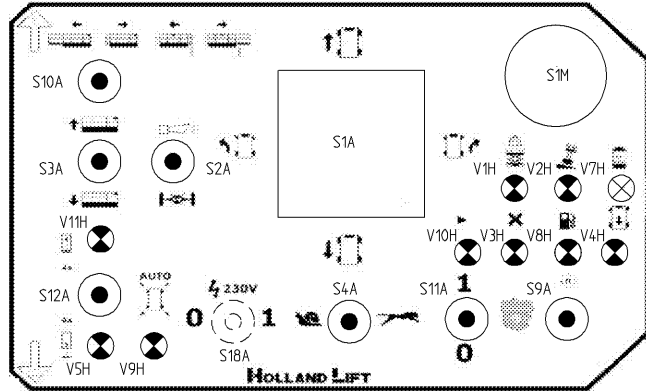


FSF

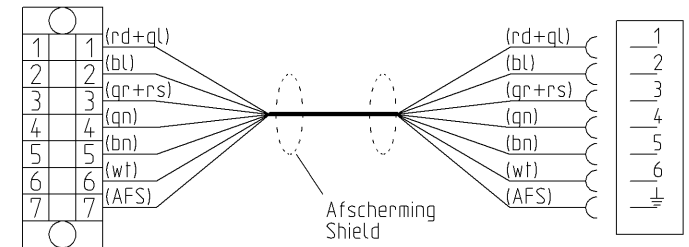
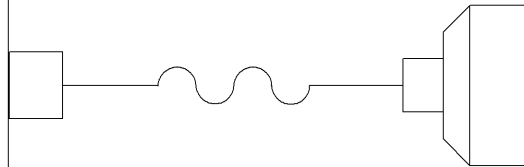
NR.	Omschrijving	Beschreibung	Descreption
1	Kabel Klemmenkast	Kabel Klemmenkasten	Cable Connection Box
2	Eindschak. LA in S11Q	Endschalter LA ein S11A	Limit Switch LR in S11Q
3	Eindschak. LA uit S15Q	Endschalter LA aus S15Q	Limit Switch LR out S15Q
4	Eindschak. RA in S12Q	Endschalter RA ein S12Q	Limit Switch RR in S12Q
5	Eindschak. RA uit S16Q	Endschalter RA aus S16Q	Limit Switch RR out S16Q
6	Pendelas Links	Pendel Achse Links	Oscillating Left
7	Pendelas Rechts	Pendel Achse Rechts	Oscillating Right
8	Pendelas Horizontaal S18Q	Pendel Achse Hor. S18Q	Oscillating Axle S18Q

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# BEDIENINGSKAST STEUERPULT CONTROL BOX



Colour schedule			
Colour	Dutch	English	Deutsch
Rd	Rood	Red	Rot
Bl	Blauw	Blue	Blau
Gl	Geel	Yellow	Gelb
Gn	Groen	Green	Gruen
Zw	Zwart	Black	Schwarz
Wt	Wit	White	Weiss
Bn	Bruin	Brown	Braun
Rs	Roze	Pink	Rosa
Or	Oranje	Orange	Orange
Ps	Poars	Violet	Violett
Tp	Transp.	Transp.	Transp.
Gs	Grijs	Grey	Grau



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KASTEN/BEKABELING  
 KASTEN/KABEL  
 BOXES/CABLES

Projekt: ET-20-001

Zeichnungsnummer:

Rev.: A

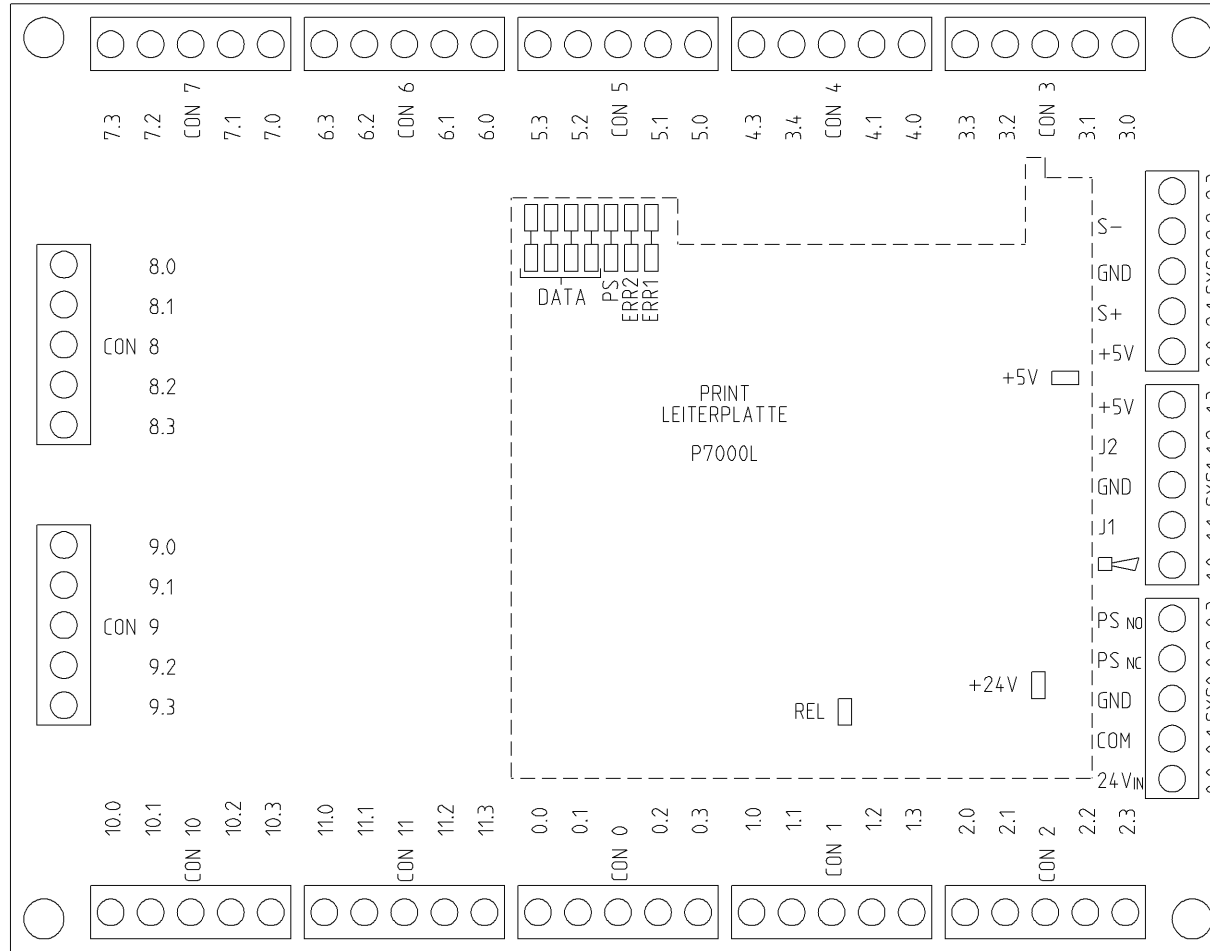
erstellt von:  
 Rothenbusch

Datum: 29.07.2016

Anlage: = Ort: +

Blatt: 30

PRINTPLAAT  
LEITERPLATTE  
CIRCUIT BOARD



+24V	<input type="checkbox"/>	Groen/Gruen/Green	Voeding Ok	Speisung Ok	Supply Ok
+5V	<input type="checkbox"/>	Groen/Gruen/Green	Voeding Ok	Speisung Ok	Supply Ok
REL	<input type="checkbox"/>	Groen/Gruen/Green	Power Safe aan	Power Safe an	Power Safe on
PS	<input type="checkbox"/>	Geel/Gelb/Yellow	Power Safe uit	Power Safe aus	Power Safe off
Err1	<input type="checkbox"/>	Geel/Gelb/Yellow	Slechte Data Verbinding	Schlechte Data Verbindung	Poor Data Connection
Err2	<input type="checkbox"/>	Rood/Rot/Red	Geen Data Verbinding	Keine Data Verbindung	No Data Connection

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PRINTPLAAT  
LEITERPLATTE  
CIRCUIT BOARD

Projekt: ET-20-001

Zeichnungsnummer:

Rev.: A

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Rothenbusch

Datum: 29.07.2016

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0.0	Rijden Vooruit (S1A2)	Fahren Vorwaerts (S1A2)	Driving Forward (S1A2)
0.1	Rijden Achteruit (S1A3)	Fahren Rueck. (S1A3)	Driving Reverse (S1A3)
CON 0			
0.2	Sturen Links (S1A4)	Lenken Links (S1A4)	Steering Left (S1A4)
0.3	Sturen Rechts (S1A5)	Lenken Rechts (S1A5)	Steering Right (S1A5)

1.0	Claxon (S2A1)	Hupe (S2A1)	Horn (S2A1)
1.1	Sper/Diff. (S2A2)	Sperr/Diff. (S2A2)	Slip/Diff. (S2A2)
CON 1			
1.2	Heffen (S3A1)	Heben (S3A1)	Lift Up (S3A1)
1.3	Dalen (S3A2)	Senken (S3A2)	Lift Down (S3A2)

2.0	Snel Rijden (S4A)	Schnell Fahren (S4A)	Driving Fast (S4A)
2.1	Toerental (S9A)	Drehzahl (S9A)	Enging Speed (S9A)
CON 2			
2.2	Reserve	Reserve	Spare
2.3	Dodemansknop (S1A1)	Totmanskноп (S1A1)	Dead Man (S1A1)

0.0	Voeding +24V (S1M)	Speisung +24V (S1M)	Supply +24V (S1M)
0.1	Voeding +24V (S1M)	Speisung +24V (S1M)	Supply +24V (S1M)
SYS0 GND	GND	GND	GND
0.2	Reserve	Reserve	Spare
0.3	Voeding +24V (PS)	Speisung +24V (PS)	Supply +24V (PS)

1.0	+ Zoemer (H1H)	+ Summer (H1H)	+ Buzzer (H1H)
1.1	0-5V Joystick P1	0-5V Joystick P1	0-5V Joystick P1
SYS1 GND	- Zoemer (H1H)	- Summer (H1H)	- Buzzer (H1H)
1.2	Reserve (0-5V)	Reserve (0-5V)	Spare (0-5V)
1.3	Voeding +5V Joy. (P1)	Speisung +5V Joy. (P1)	Supply +5V Joy. (P1)

2.0	Data RXD	Data RXD	Data RXD
2.1	Data S+ (RS485)	Data S+ (RS485)	Data S+ (RS485)
SYS2 GND	Reserve	Reserve	Spare
2.2	Data S- (RS485)	Data S- (RS485)	Data S- (RS485)
2.3	Data TXD	Data TXD	Data TXD

3.0	Reserve	Reserve	Spare
3.1	Reserve	Reserve	Spare
CON 3			
3.2	4x Stempels in (S12A1)	4x Stuetzen ein (S12A1)	4x Jacks in (S12A1)
3.3	4x uit Au. Niv. (S12A2)	4x aus Au. Niv. (S12A2)	4x out Au. Niv.(S12A2)

4.0	Platform in (S10A1)	Plattform ein (S10A1)	Platform in (S10A1)
4.1	Platform uit (S10A2)	Plattform aus (S10A2)	Platform out (S10A2)
CON 4			
4.2	Reserve	Reserve	Spare
4.3	Reserve	Reserve	Spare

5.0	Vetpomp (V7H) Opt.	Fett Pumpe (V7H) Opt.	Grease Pump (V7H) Opt
5.1	Overload (V1H)	Ueberlastung (V1H)	Overload (V1H)
CON 5			
5.2	Scheefstand (V2H)	Neigung (V2H)	Inclination (V2H)
5.3	Tank leeg (V8H)	Tank leer (V8H)	Tank empty (V8H)

6.0	Start Motor (S11A1)	Start Motor (S11A1)	Start Engine (S11A1)
6.1	Stop Motor (S11A2)	Halte Motor (S11A2)	Stop Engine (S11A2)
CON 6			
6.2	Gen. aan Opt. (S18A1)	Gen. an Opt. (S18A1)	Gen. on Opt. (S18A1)
6.3	Gen. uit Opt. (S18A2)	Gen. aus Opt. (S18A2)	Gen. off Opt. (S18A2)

7.0	Stempels LA in (S15A1)	Stuetzen LH ein (S15A1)	Jacks LR in (S15A1)
7.1	Stemp. LA uit (S15A2)	Stuetzen LH aus (S15A2)	Jacks LR out (S15A2)
CON 7			
7.2	Stempels RA in (S16A1)	Stuetzen RH ein (S16A1)	Jacks RR in (S16A1)
7.3	Stemp. RA uit (S16A2)	Stuetzen RH aus (S16A2)	Jacks RR out (S16A2)

8.0	Stempels LV in (S13A1)	Stuetzen LV ein (S13A1)	Jacks LF in (S13A1)
8.1	Stemp. LV uit (S13A2)	Stuetzen LV aus (S13A2)	Jacks LF out (S13A2)
CON 8			
8.2	Stempels RV in (S14A1)	Stuetzen RV ein (S14A1)	Jacks RF in (S14A1)
8.3	Stemp. RV uit (S14A2)	Stuetzen RV aus (S14A2)	Jacks RF out (S14A2)

9.0	Reserve	Reserve	Spare
9.1	Stempels in (V11H)	Stuetzen ein (V11H)	Jacks in (V11H)
CON 9			
9.2	Stempels uit (V5H)	Stuetzen aus (V5H)	Jacks out (V5H)
9.3	Auto Niv. (V9H)	Auto Niv. (V9H)	Auto Niv. (V9H)

10.0	In Bedrijf (V10H)	In Betrieb (V10H)	Run (V10H)
10.1	Storing Dieselm. (V3H)	Stoerung Dieselm. (V3H)	Failure Dieselm. (V3H)
CON 10			
10.2	Pendelas Hor. (V4H)	Pendel Achse Hor. (V4H)	Os. Axle Hor. (V4H)
10.3	Reserve	Reserve	Spare

11.0	Reserve	Reserve	Spare
11.1	Reserve	Reserve	Spare
CON 11			
11.2	Reserve	Reserve	Spare
11.3	Reserve	Reserve	Spare



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