

Purpose

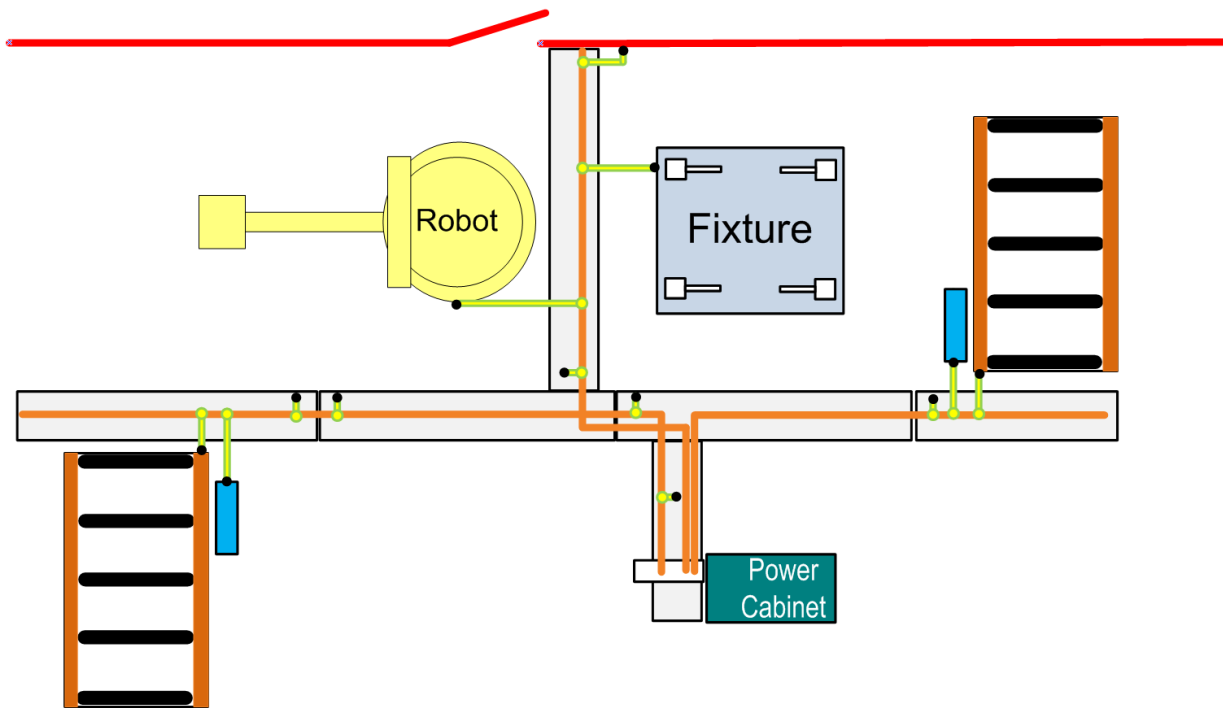
This document is made to avoid any misconceptions about the standards we have to uphold regarding equipment grounding connections in compliance with the electrical regulations contained in [NEC 250.119](#).

Fundamental principles

All equipment bonding connections originate from one grounding block, which is mounted either on the outside or directly on the main cabinet. This block is then connected with a minimum size 6 AWG green/yellow wire from the main cabinets grounding bar, this wire is labeled (GND1).

From this block a network of green/yellow wiring is spread across the plant. At every bonding connection point a 10 AWG wire composed of a tapp-off clamp as well as a cableharness is used to connect the surface to the bonding network.

Equipment Bonding example



			Date	9/26/2022	Volvo Trucks North America	Valiant TMS	Equipment Grounding policy	Drawing name:	= 2V12&EFS-EL	=			
			Ed.	MKLEPADLO							+		
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	EAA	Project nr:	22-16145	Page	4
Modification	Date	Name	Original		Replacement of		Replaced by						

PLC Card Naming:

The following chart shall be used to cross-reference the naming of PLC cards in PDP & RIO enclosures. This chart is generic and not every enclosure will exist in this package.

Enc Type	Number	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14
PDP	UC11 PDP1														
	UC11	KF11.11	KF11.12	KF11.13	KF11.14	KF11.31	KF11.32	KF11.21	KF11.41	KF11.42	KF11.51	KF11.52	KF11.53	KF11.54	
		DI x16	DI x16	DI x16	DI x16	F-DI x 8	F-DI x 8	DQ x16	F-DQ x 4	F-DQ x 4	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1
		IB 50..51	IB 52..53	IB 54..55	IB 56..57	IB 5050..5055	IB 5056..5061		IB 5062..5066	IB 5067..5071	IB 5072	IB 5073	IB 5074	IB 5075	
						QB 5050..5053	QB 5056..5059	QB 50..51	QB 5062..5066	QB 5067..5071					
	UC12 PDP2														
	UC12	KF12.11	KF12.12	KF12.13	KF12.14	KF12.31	KF12.32	KF12.21	KF12.41	KF12.42	KF12.51	KF12.52	KF12.53	KF12.54	
		DI x16	DI x16	DI x16	DI x16	F-DI x 8	F-DI x 8	DQ x16	F-DQ x 4	F-DQ x 4	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1
		IB 80..81	IB 82..83	IB 84..85	IB 86..87	IB 5080..5085	IB 5086..5091		IB 5092..5096	IB 5097..5101	IB 5102	IB 5103	IB 5104	IB 5105	
						QB 5080..5083	QB 5086..5089	QB 80..81	QB 5092..5096	QB 5097..5101					
	UC13 PDP3														
	UC13	KF13.11	KF13.12	KF13.13	KF13.14	KF13.31	KF13.32	KF13.21	KF13.41	KF13.42	KF13.51	KF13.52	KF13.53	KF13.54	
	DI x16	DI x16	DI x16	DI x16	F-DI x 8	F-DI x 8	DQ x16	F-DQ x 4	F-DQ x 4	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	
	IB 110..111	IB 112..113	IB 114..115	IB 116..117	IB 5110..5115	IB 5116..5121		IB 5122..5126	IB 5127..5131	IB 5132	IB 5133	IB 5134	IB 5135		
					QB 5110..5113	QB 5116..5119	QB 110..111	QB 5122..5126	QB 5127..5131						
RIO	UC14 RIO1														
	UC14	KF14.11	KF14.12	KF14.31	KF14.32	KF14.21	KF14.41	KF14.42	KF14.51	KF14.52	KF14.53	KF14.54			
		DI x16	DI x16	F-DI x 8	F-DI x 8	DQ x16	F-DQ x 4	F-DQ x 4	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1		
		IB 200..201	IB 202..203	IB 5200..5205	IB 5206..5211		IB 5212..5216	IB 5217..5221	IB 5222	IB 5223	IB 5224	IB 5225			
				QB 5200..5203	QB 5206..5209	QB 200..201	QB 5212..5216	QB 5217..5221							
	UC15 RIO2														
	UC15	KF15.11	KF15.12	KF15.31	KF15.32	KF15.21	KF15.41	KF15.42	KF15.51	KF15.52	KF15.53	KF15.54			
		DI x16	DI x16	F-DI x 8	F-DI x 8	DQ x16	F-DQ x 4	F-DQ x 4	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1		
		IB 230..231	IB 232..233	IB 5230..5235	IB 5236..5241		IB 5242..5246	IB 5247..5251	IB 5252	IB 5253	IB 5254	IB 5255			
				QB 5230..5233	QB 5236..5239	QB 230..231	QB 5242..5246	QB 5247..5251							
	UC16 RIO3														
	UC16	KF16.11	KF16.12	KF16.31	KF16.32	KF16.21	KF16.41	KF16.42	KF16.51	KF16.52	KF16.53	KF16.54			
	DI x16	DI x16	F-DI x 8	F-DI x 8	DQ x16	F-DQ x 4	F-DQ x 4	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1			
	IB 260..261	IB 262..263	IB 5260..5265	IB 5266..5271		IB 5272..5276	IB 5277..5281	IB 5282	IB 5283	IB 5284	IB 5285				
			QB 5260..5263	QB 5266..5269	QB 260..261	QB 5272..5276	QB 5287..5281								
UC17 RIO4															
UC17	KF17.11	KF17.12	KF17.31	KF17.32	KF17.21	KF17.41	KF17.42	KF17.51	KF17.52	KF17.53	KF17.54				
	DI x16	DI x16	F-DI x 8	F-DI x 8	DQ x16	F-DQ x 4	F-DQ x 4	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1	F-RQ x 1			
	IB 290..291	IB 292..293	IB 5290..5295	IB 5296..5301		IB 5302..5306	IB 5307..5311	IB 5312	IB 5313	IB 5314	IB 5315				
			QB 5290..5293	QB 5296..5299	QB 290..291	QB 5302..5306	QB 5307..5311								

Date	9/26/2022	Volvo Trucks North America	Valiant TMS	PLC Card Naming	Drawing name:	=	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	Page 5
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&EAA/3	Letter codes/colors	UC11	9/26/2022	MKLEPADLO	
&EAA/4	Equipment Grounding policy	UC11	9/26/2022	MKLEPADLO	
&EAA/5	PLC Card Naming	UC11	9/26/2022	MKLEPADLO	
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		Ed.	KMAFFRE								
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Modification	Date	Name	Original	Replacement of	Replaced by		Scale 1:1	Document type:	Project nr:	Page	4	
								EAB	22-16145		401	

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Original		Replacement of	Replaced by	Scale 1:1	Project nr:	22-16145
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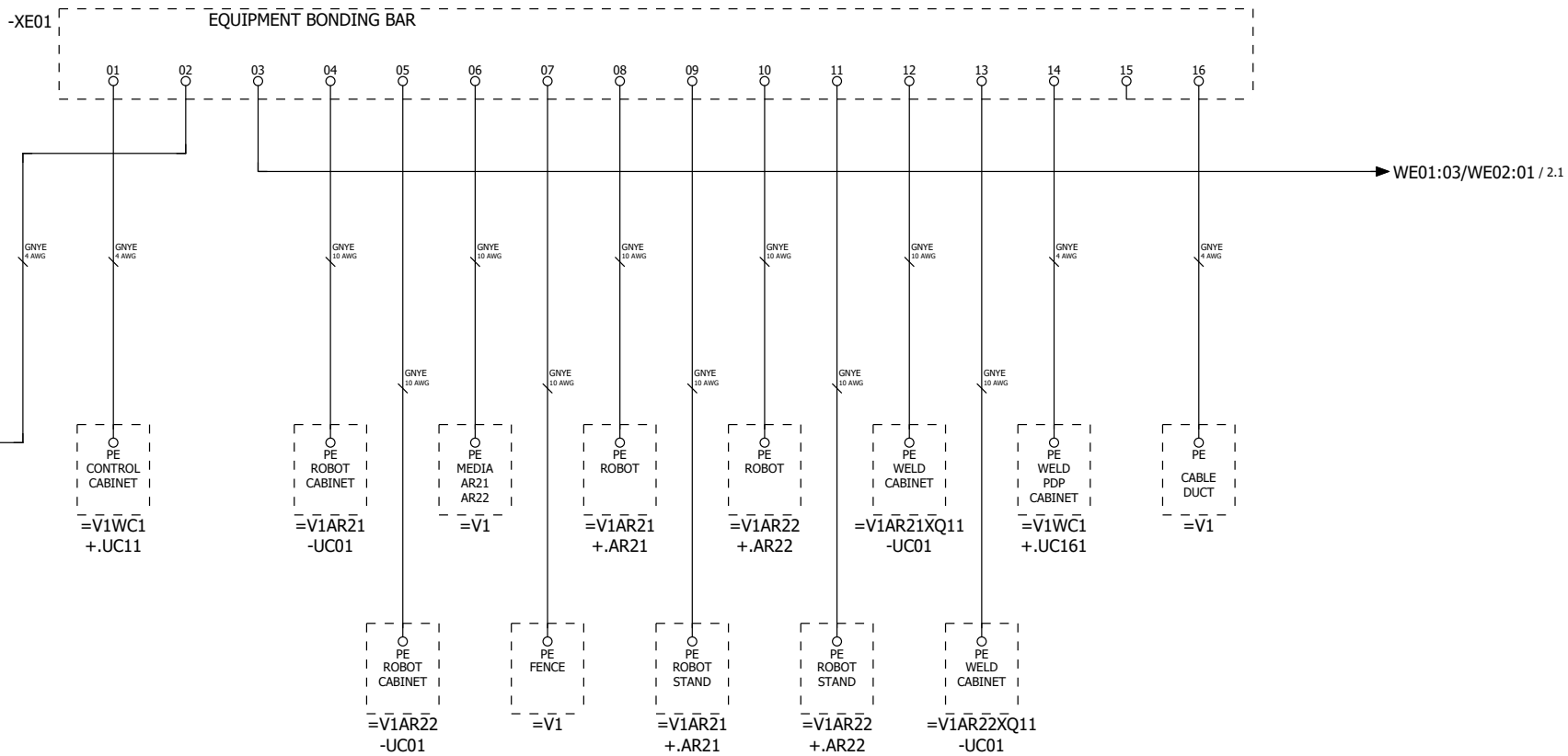
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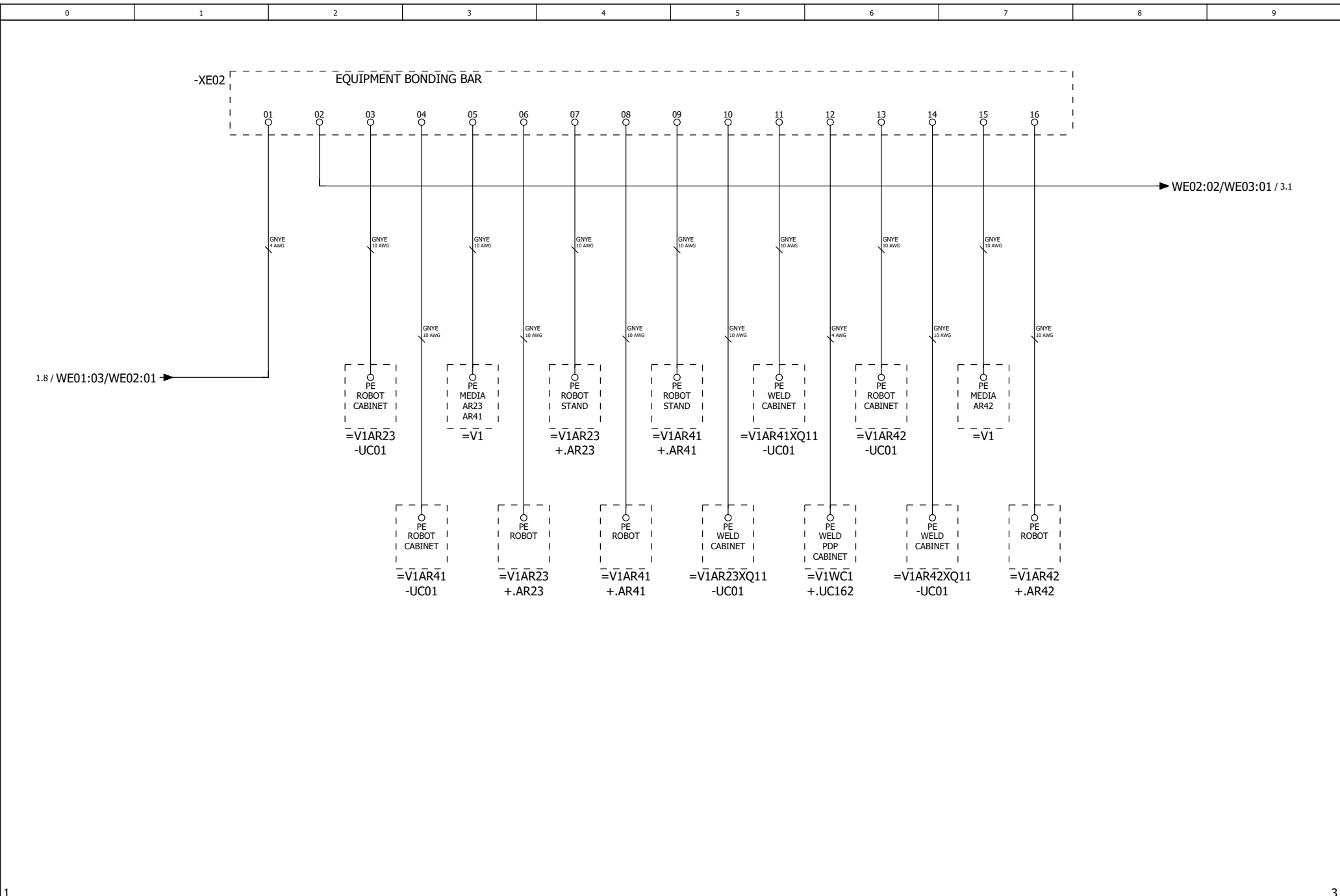
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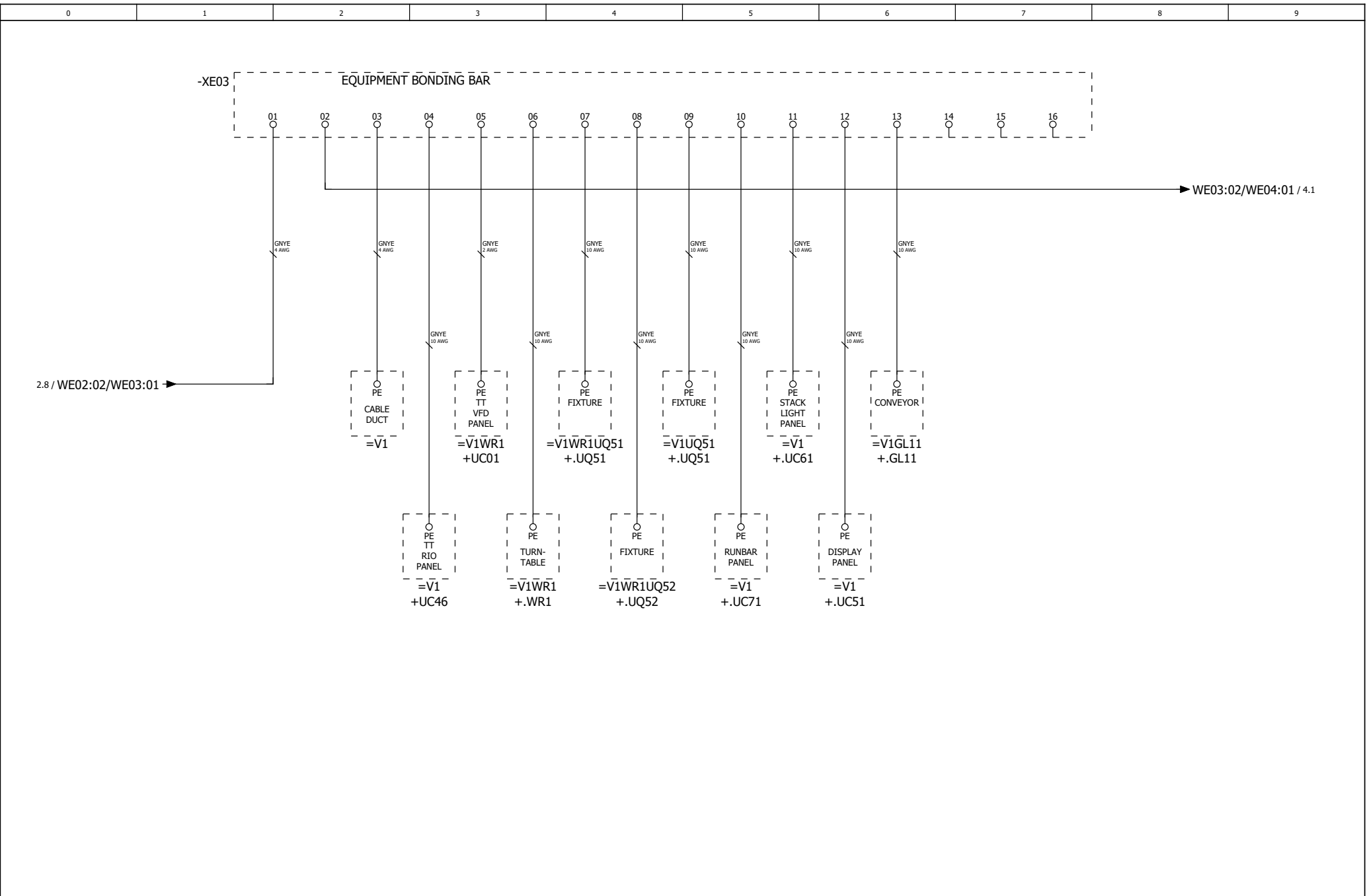
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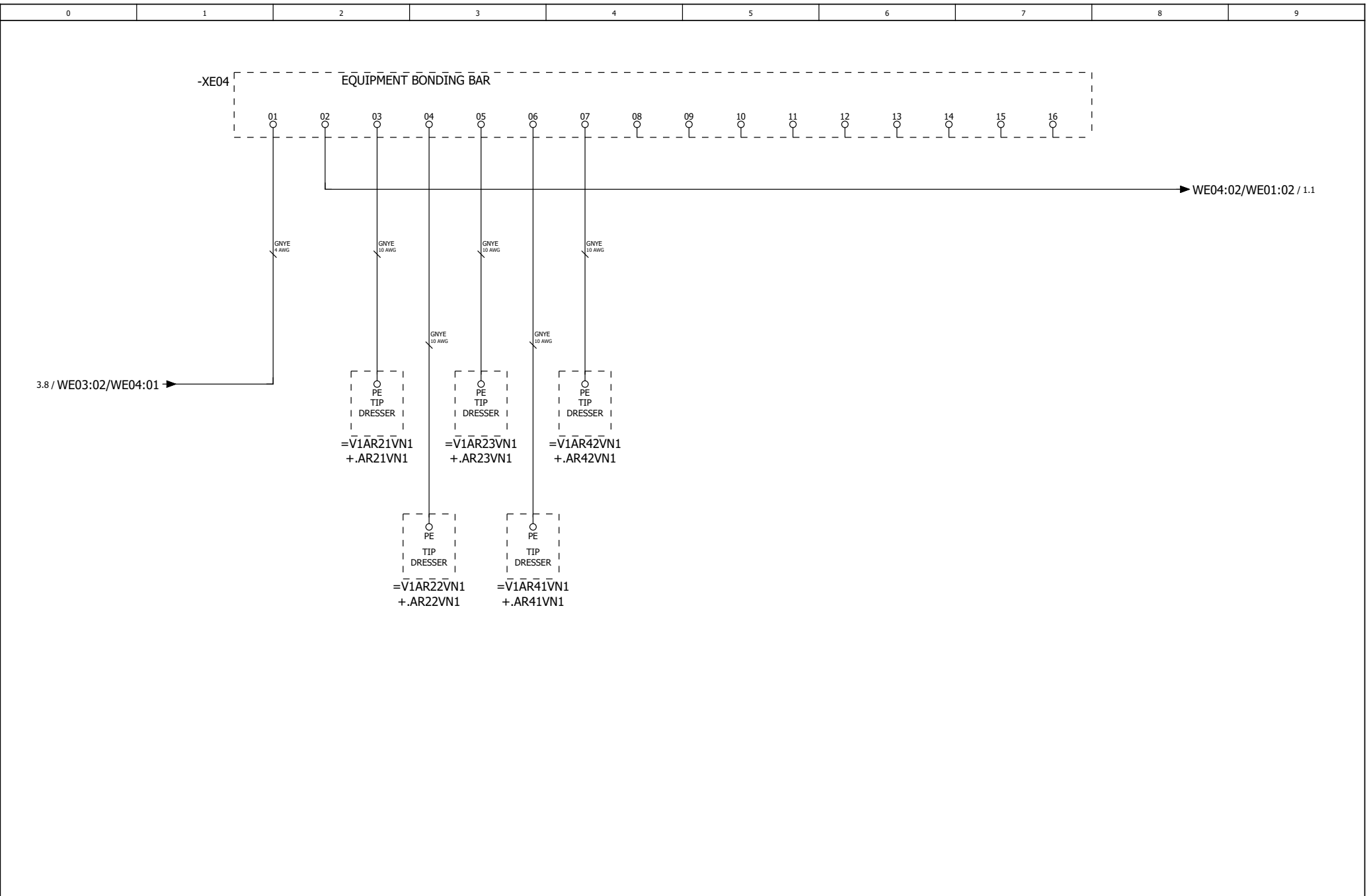
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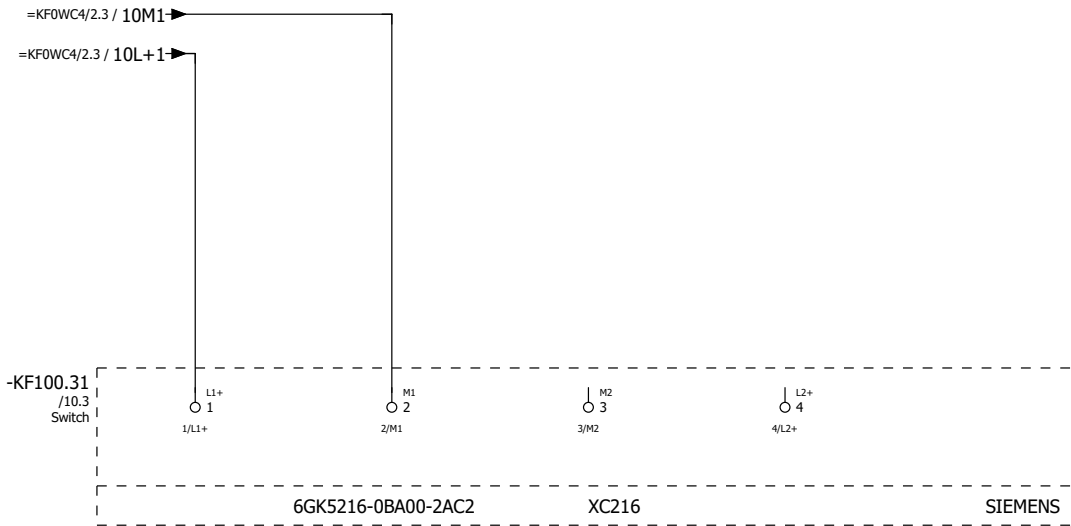
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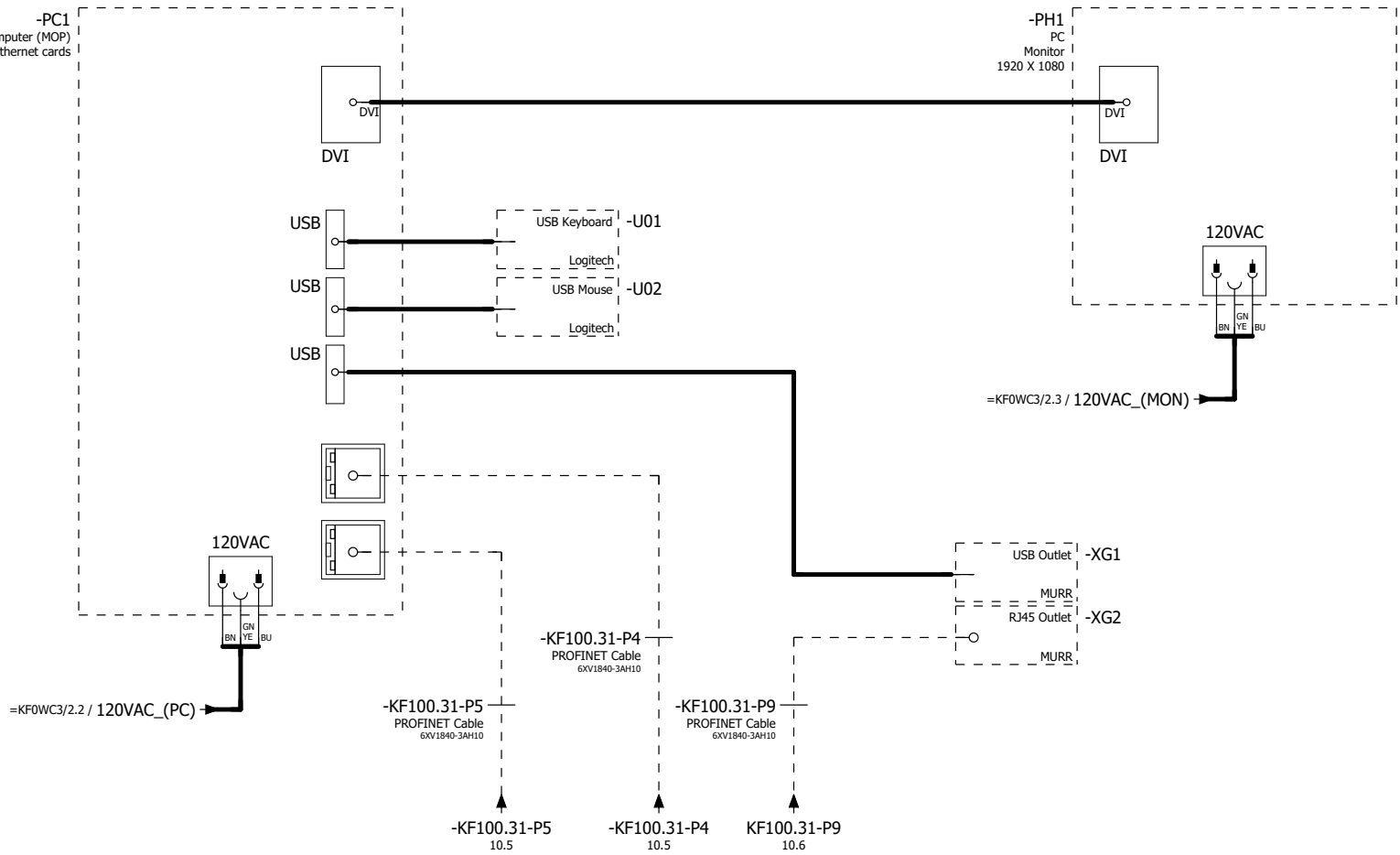
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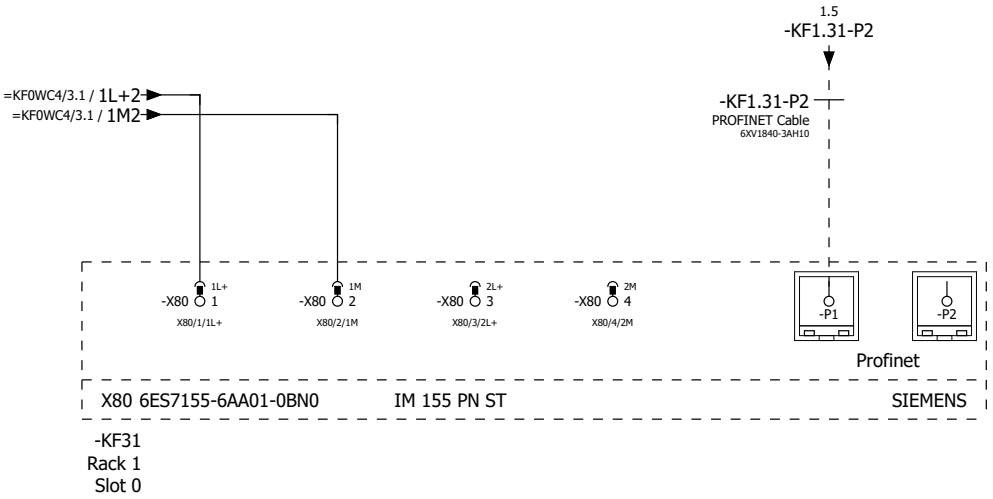
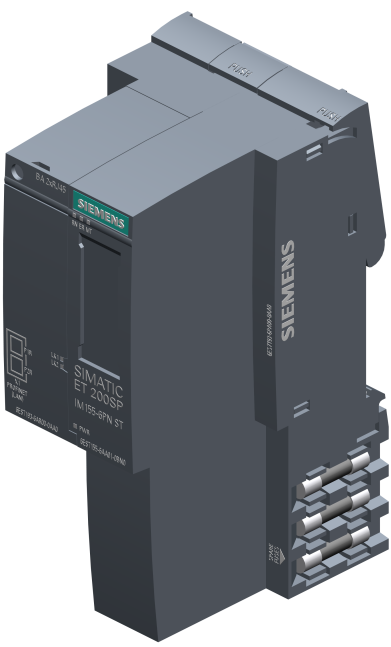
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-PC1
Volvo computer (MOP)
2 Ethernet cards

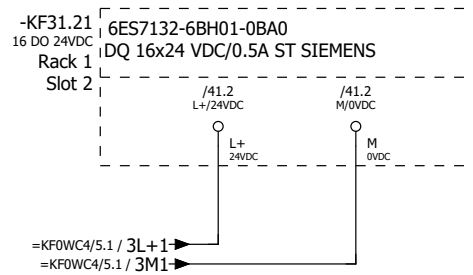
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PC
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1920 X 1080



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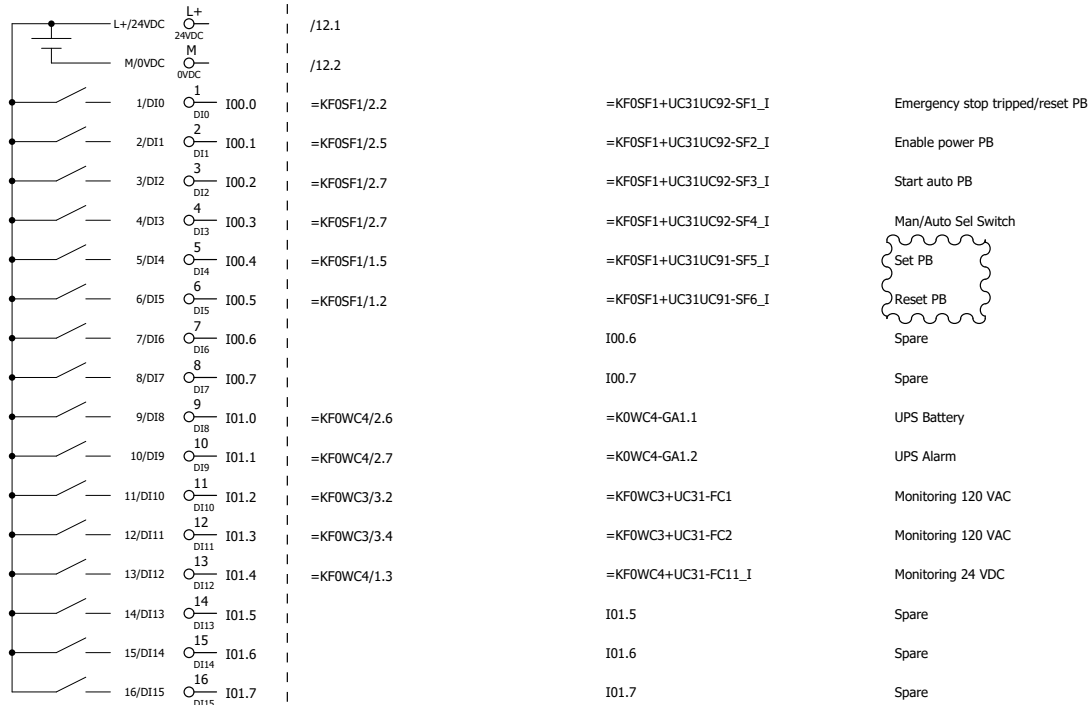


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ET 200SP
DI 16x24 VDC ST

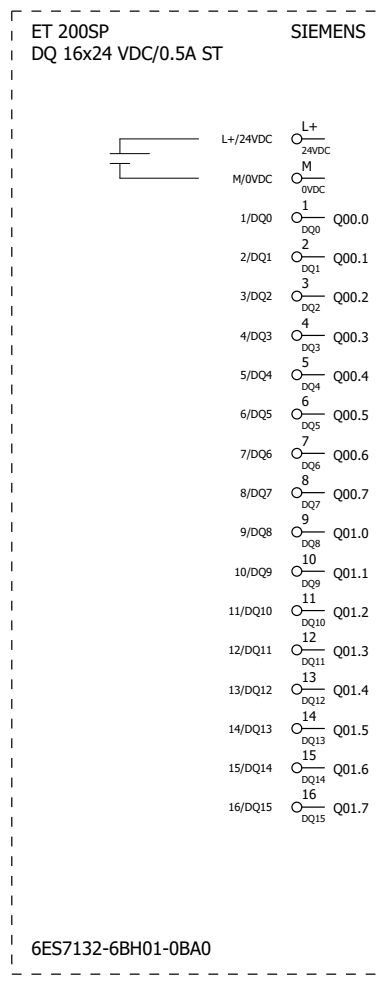
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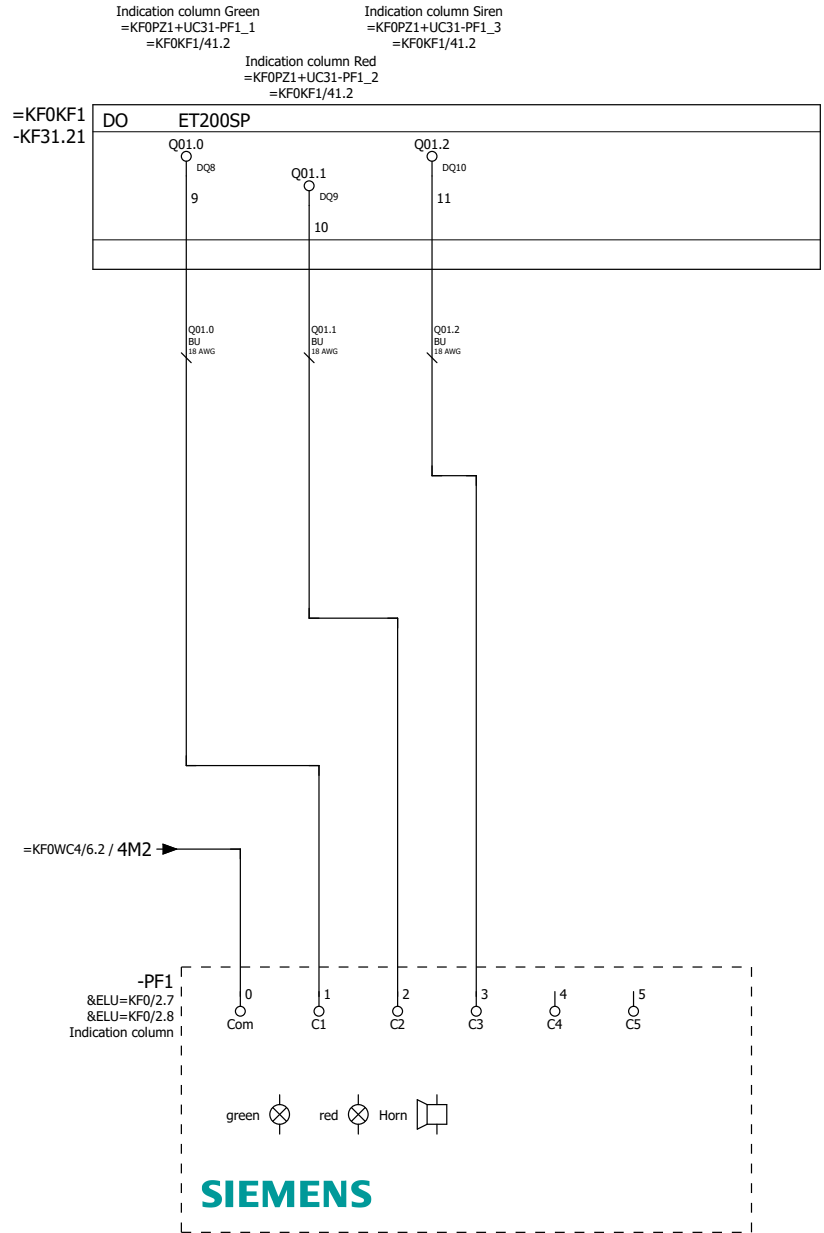
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-KF31.21



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2/DQ1	Q00.3		Q00.3	Spare
3/DQ2	Q00.4		Q00.4	Spare
4/DQ3	Q00.5		Q00.5	Spare
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6/DQ5	Q00.7		Q00.7	Spare
7/DQ6	Q01.0	=KF0PZ1/1.3	=KF0PZ1+UC31-PF1_1	Indication column Green
8/DQ7	Q01.1	=KF0PZ1/1.3	=KF0PZ1+UC31-PF1_2	Indication column Red
9/DQ8	Q01.2	=KF0PZ1/1.4	=KF0PZ1+UC31-PF1_3	Indication column Siren
10/DQ9	Q01.3		Q01.3	Spare
11/DQ10	Q01.4		Q01.4	Spare
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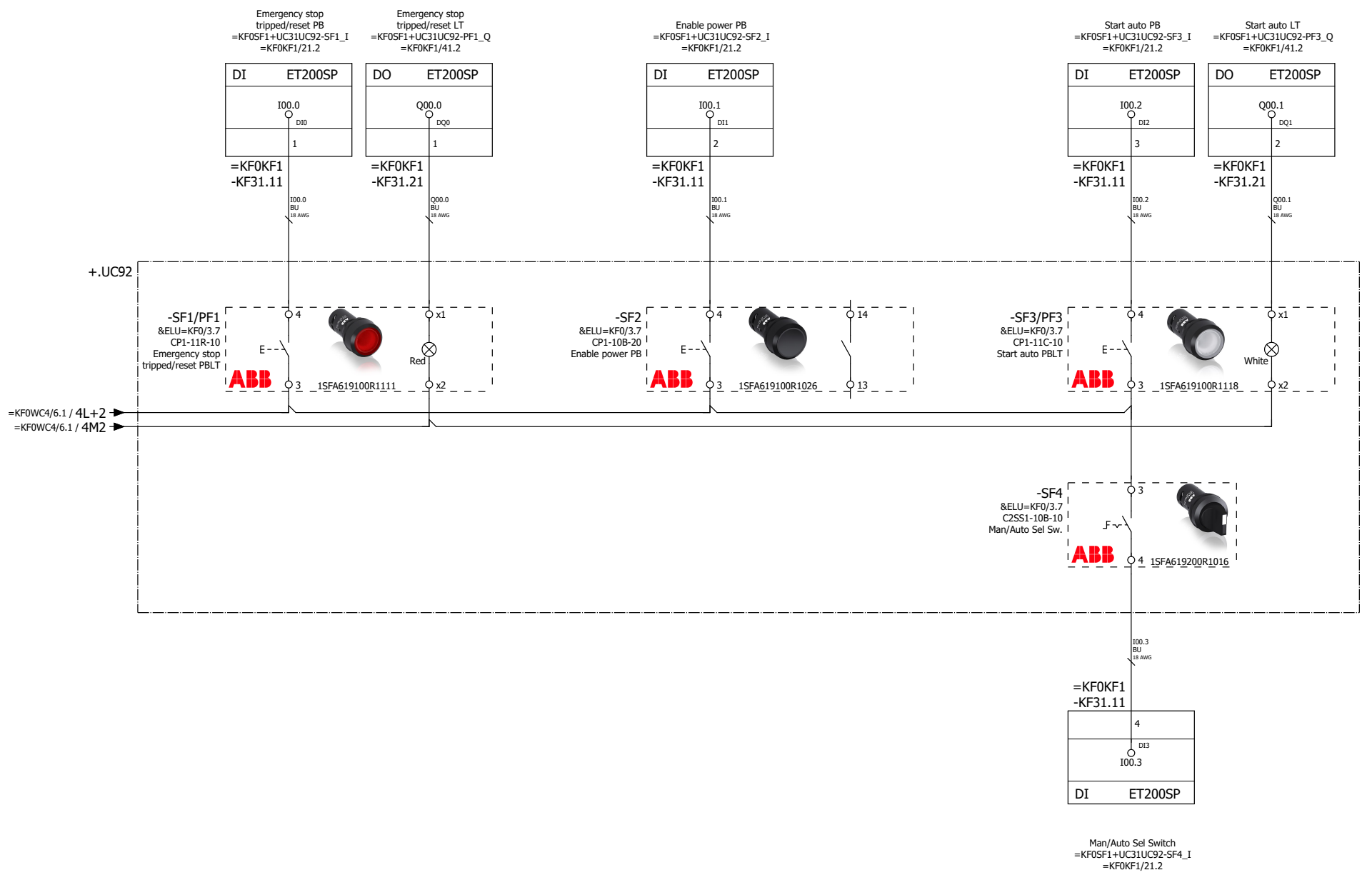
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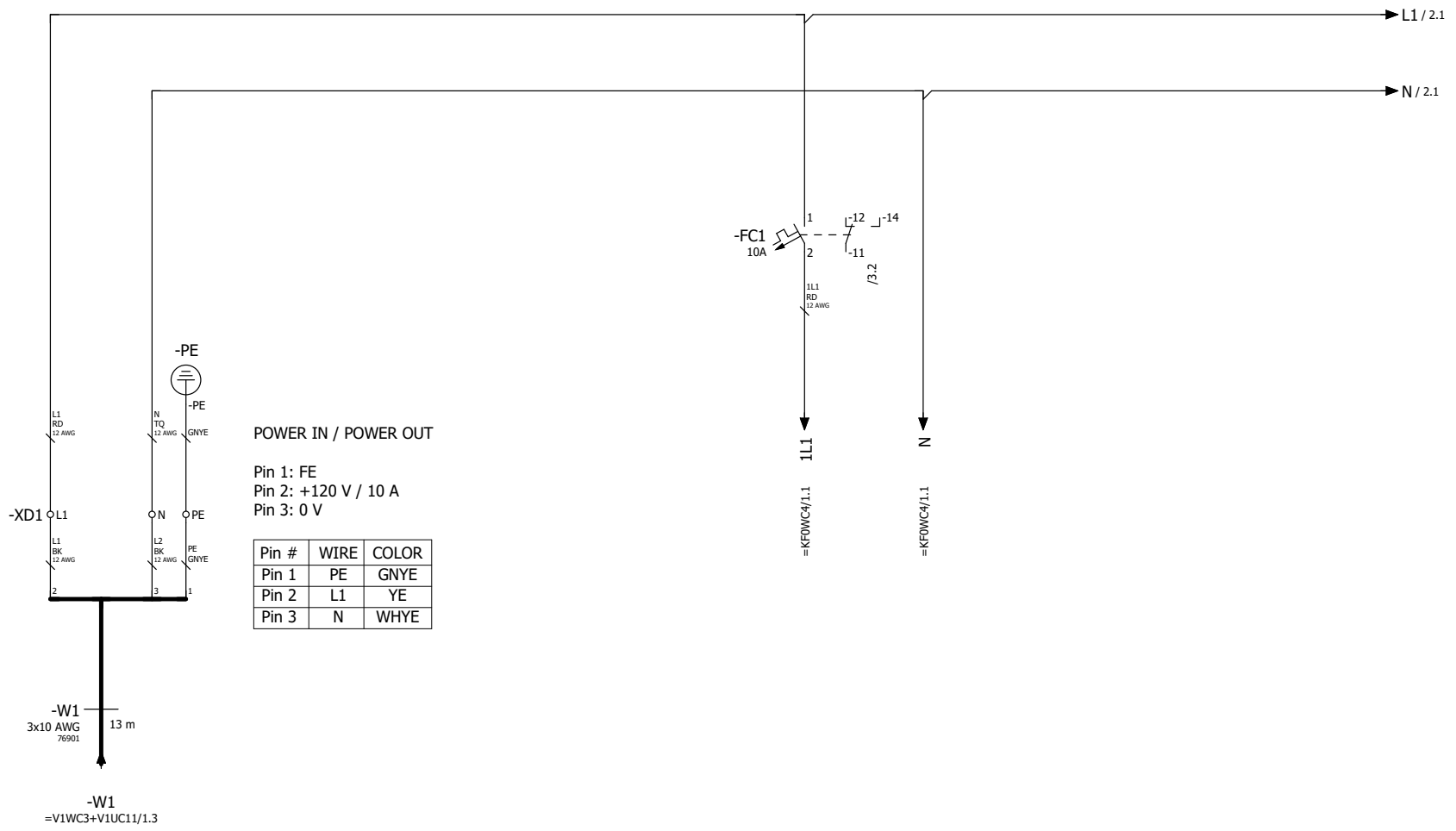
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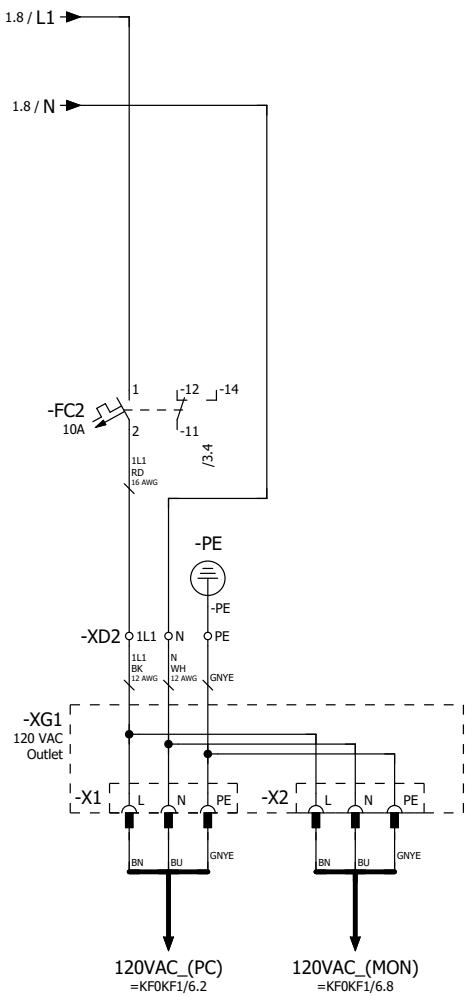
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Appr				P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1				Document type:		Page 2	
Original				Replacement of		Replaced by				Project nr:		401	
Modification		Date		Name		Original				EFS		22-16145	



Power
 Distribution
 24 VDC
 Power Supply

=KF0SF1/2

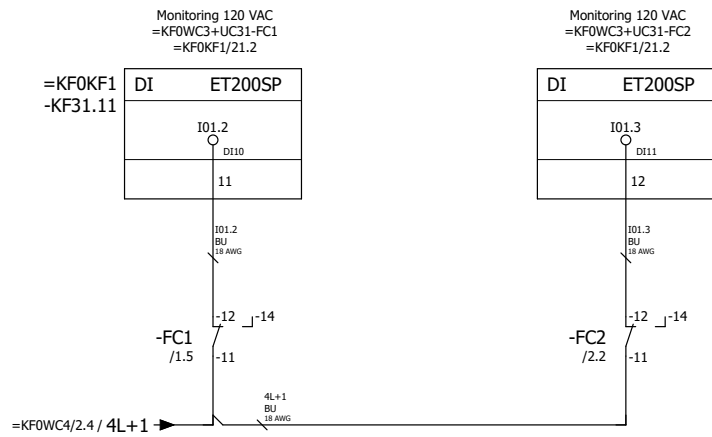
		Date	10/12/2022	Volvo Trucks North America	Valiant TMS	Incomming power supply 120 VAC	Drawing name:		= 2V12&EFS-EL	= KF0WC3	
		Ed.	MKLEPADLO						+ UC31		
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:		Page	1
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145		



1


3

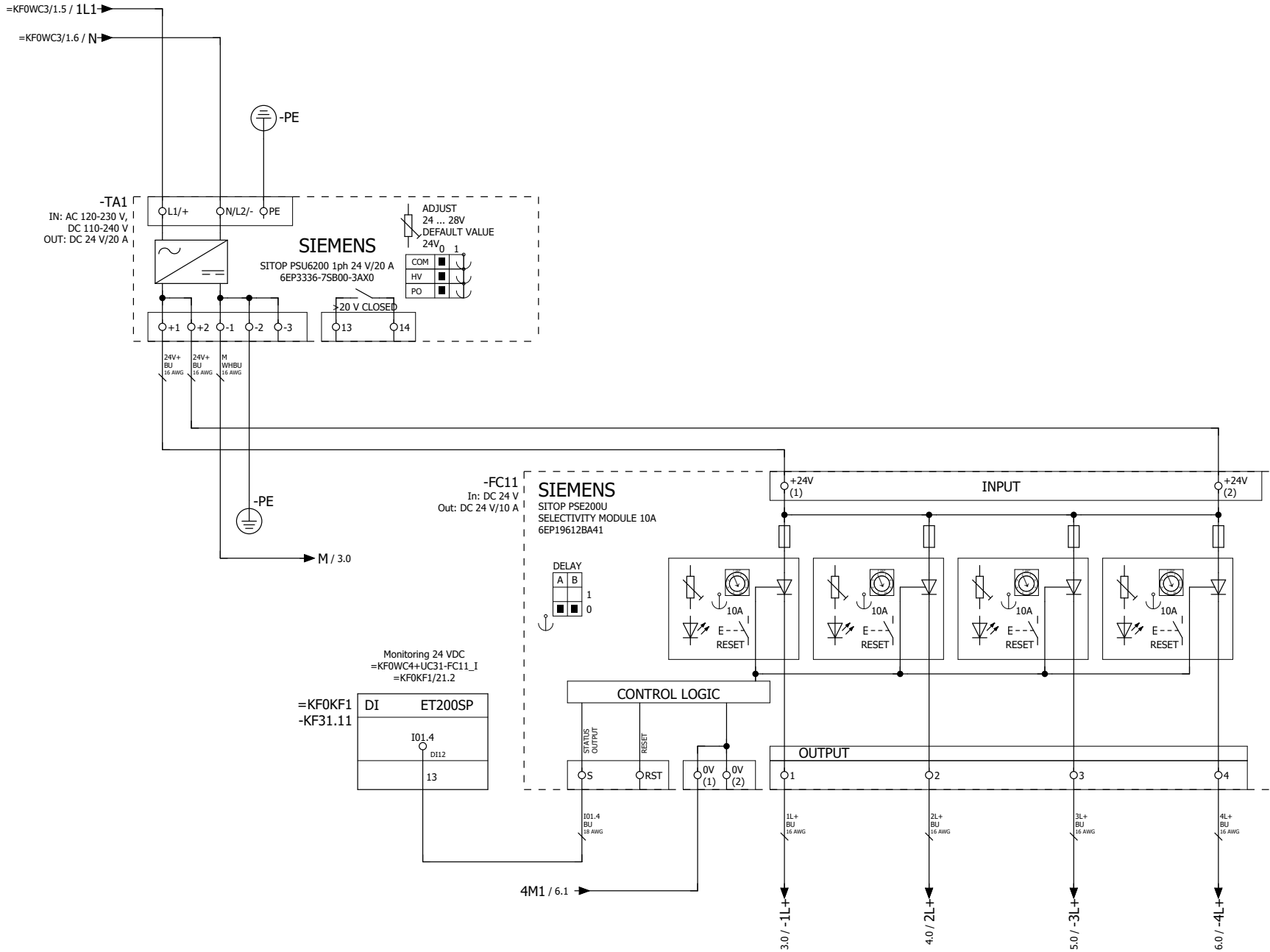
				Volvo Trucks North America		Valiant TMS		Outlet PLC 120VAC		Drawing name: = 2V12&EFS-EL		= KF0WC3 + UC31			
				Date: 10/6/2022		Ed.: MKLEPADLO				Document type: EFS		Project nr: 22-16145			
				Appr:		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Page: 2		401			
Modification				Date				Name				Original			
				Replacement of				Replaced by							



=KF0WC4/1

2

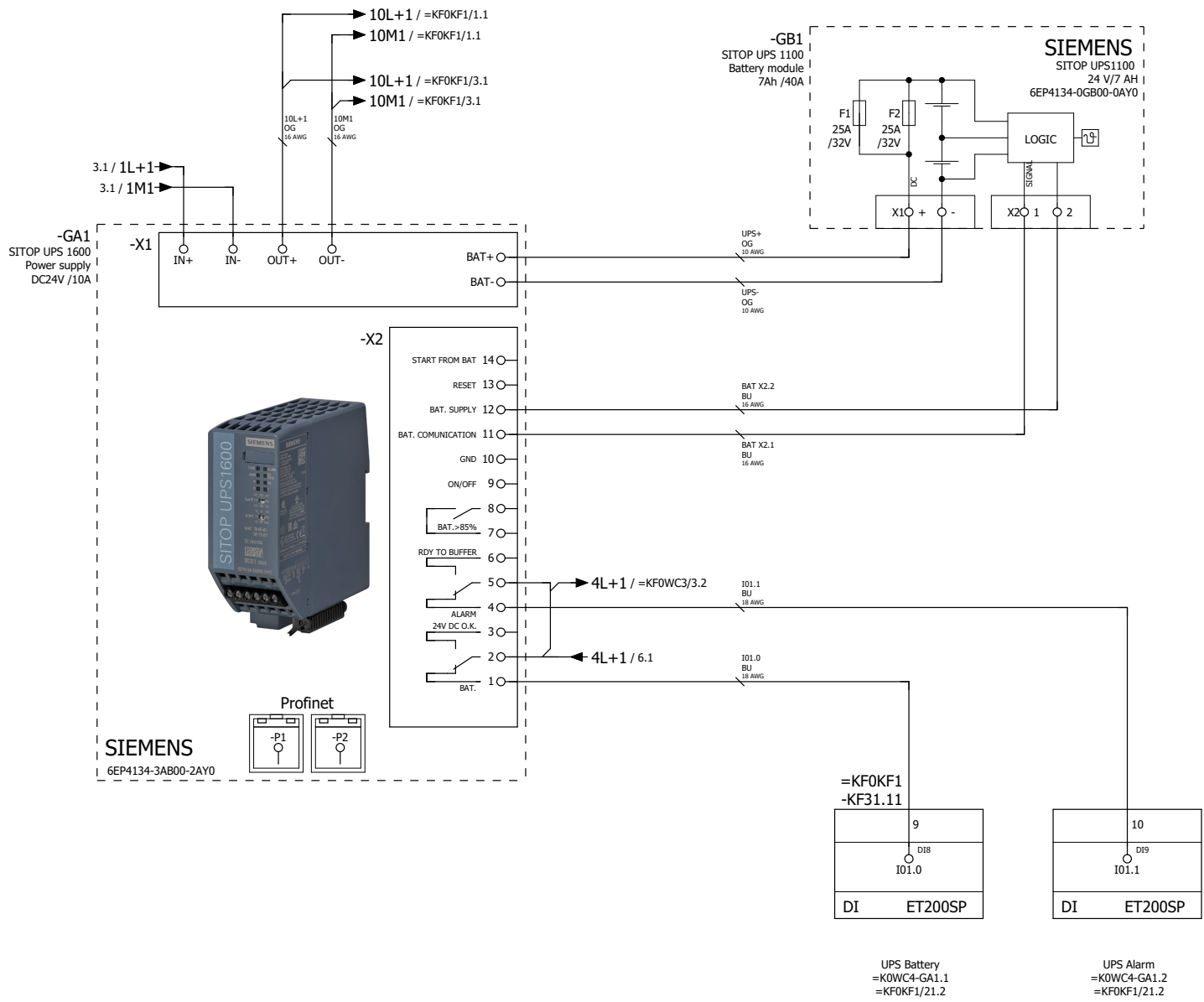
		Date	10/6/2022	Volvo Trucks North America	 Valiant TMS Monitoring 120VAC	Drawing name: =2V12&EFS-EL		= KF0WC3 + UC31	
		Ed.	MKLEPADLO			Document type: EFS	Project nr: 22-16145	Page 3	401
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1			



=KF0WC3/3

2

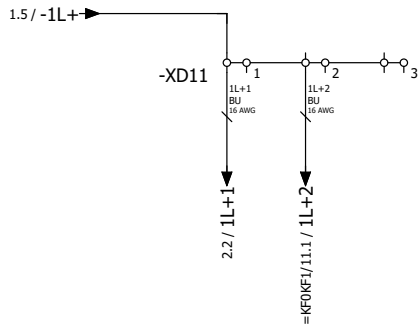
Date	10/6/2022	Volvo Trucks North America	Valiant TMS	Power distribution 24VDC	Drawing name: =2V12&EFS-EL	= KF0WC4 + UC31
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Replacement of	Document type:	Project nr:
Appr					EFS	22-16145
Modification	Date	Name	Original	Replaced by	401	



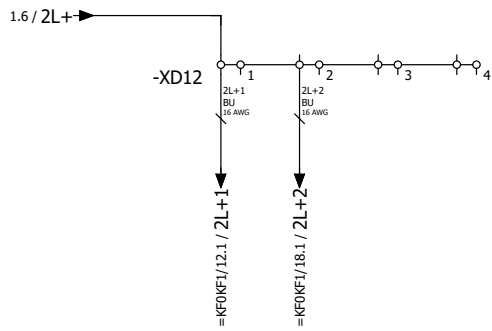
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3

		Date	10/6/2022	Volvo Trucks North America		Valiant TMS	Power distribution, UPS	Drawing name:		= KF0WC4	
		Ed.	MKLEPADLO					= 2V12&EFS-EL		+ UC31	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:		Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145		2
										401	



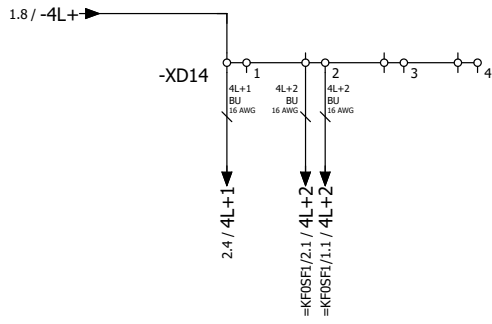
		Date	10/6/2022	Volvo Trucks North America	Valiant TMS	Power distribution 24VDC 1L+	Drawing name:		= KF0WC4
		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ UC31
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145
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Power input cards (DI)
 Power failsafe input cards (F-DI)
 Spare
 Spare



Date		10/6/2022		Volvo Trucks North America		Valiant TMS		Power distribution 24VDC 2L+		Drawing name:		= KF0WC4	
Ed.		MKLEPADLO								= 2V12&EFS-EL		+ UC31	
Appr				P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Original				Replacement of		Replaced by		Scale 1:1		EFS		22-16145	
Modification	Date	Name	Original									Page	4
													401

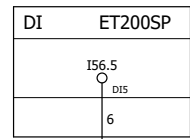


=KH0+KH0/1

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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145
									401

=V1KF1+V1UC11

Monitoring Main AIR On
 =KH0-BP1_I
 =V1KF1+V1UC11/12.2

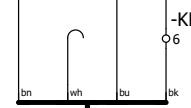


=V1KF1
 -KF11.14

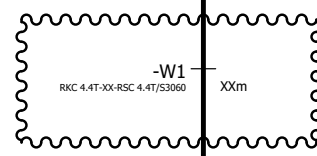
I56.5
 BUJOG
 15 ANG

=V1WC4+V1UC11/5.4 / 3L+7

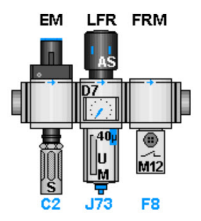
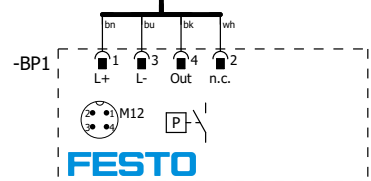
=V1WC4+V1UC11/5.4 / 3M7



-KF11.14



Not Shown On Layout Drawing!



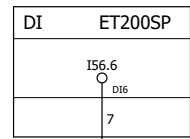
See drawing:
 =2V12&MFS-PNEU

=KF0WC4+UC31/6

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		Ed.	MKLEPADLO							+ KH0	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type: EFS		Project nr: 22-16145		Page 1
Modification	Date	Name	Original	Replacement of	Replaced by						401

=V1KF1+V1UC11

Monitoring S010-TT AIR On
 =KH0-BP2_I
 =V1KF1+V1UC11/12.2

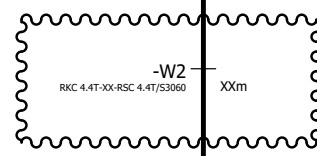
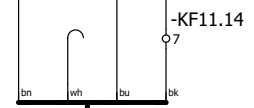


=V1KF1
 -KF11.14

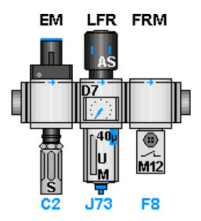
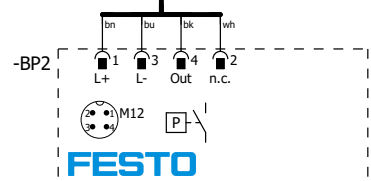
I56.5
 BUJOG
 15 ANG

=V1WC4+V1UC11/5.4 / 3L+7

=V1WC4+V1UC11/5.4 / 3M7



Not Shown On Layout Drawing!

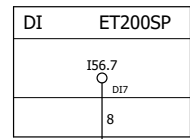


See drawing:
 =2V12&MFS-PNEU

		Date	10/21/2022	Volvo Trucks North America		Valiant TMS	Incoming air supply (S010-TT)		Drawing name: =2V12&EFS-EL		= KH0
		Ed.	MKLEPADLO						= KH0		
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell					Document type:		Page 2
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1			Project nr:	22-16145	401

=V1KF1+V1UC11

Monitoring S020 AIR On
 =KH0-BP3_I
 =V1KF1+V1UC11/12.2

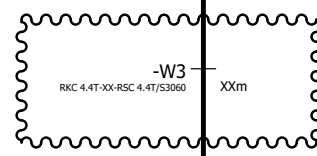
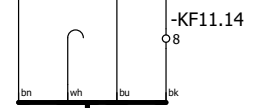


=V1KF1
 -KF11.14

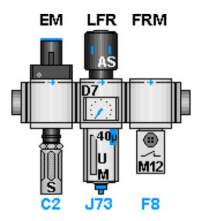
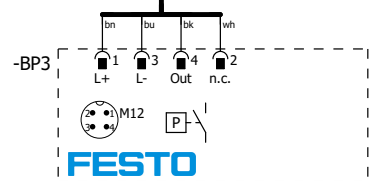
I56.7
 BUJOG
 15 ANG

=V1WC4+V1UC11/5.3 / 3L+6

=V1WC4+V1UC11/5.3 / 3M6



Not Shown On Layout Drawing!



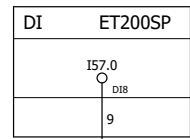
See drawing:
 =2V12&MFS-PNEU

=KH3+KH3/1

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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page	3
Modification	Date	Name	Original	Replacement of	Replaced by			EFS	22-16145	401	

=V1KF1+V1UC11

Monitoring Main Water Filter Dirty
 =KH3-BF1_I
 =V1KF1+V1UC11/12.2

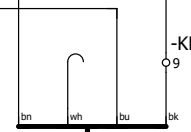


=V1KF1
 -KF11.14

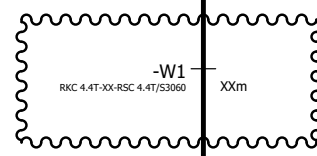
I57.0
 BUJOG
 15 ANG

=V1WC4+V1UC11/5.4 / 3L+8

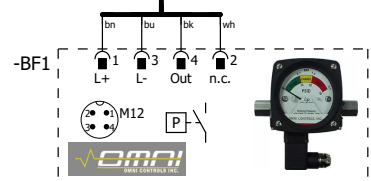
=V1WC4+V1UC11/5.4 / 3M8



-KF11.14



Not Shown On Layout Drawing!



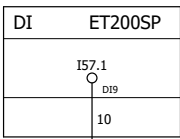
See drawing:
 =2V12&MFS-WATER

=KH0+KH0/3

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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS	22-16145		1
										401

=V1KF1+V1UC11

Monitoring Main Water On
 =KH3-BF2_I
 =V1KF1+V1UC11/12.2

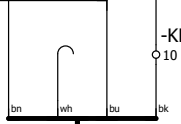


=V1KF1
 -KF11.14

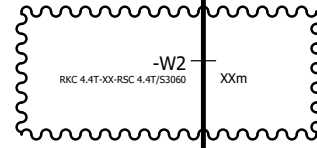
I57.1
 BUJOG
 15 ANG

=V1WC4+V1UC11/5.4 / 3L+8

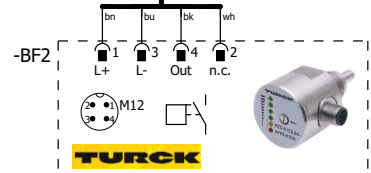
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-KF11.14



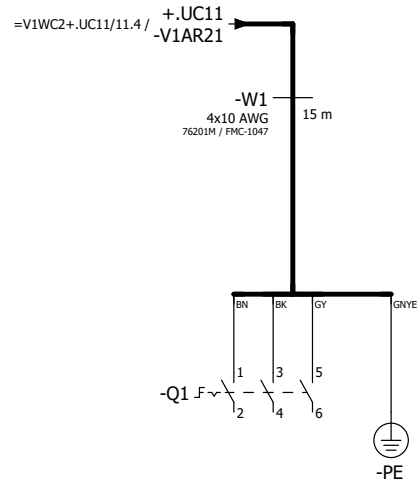
Not Shown On Layout Drawing!



See drawing:
 =2V12&MFS-WATER


=V1AR21KF1+V1AR21UC01/1

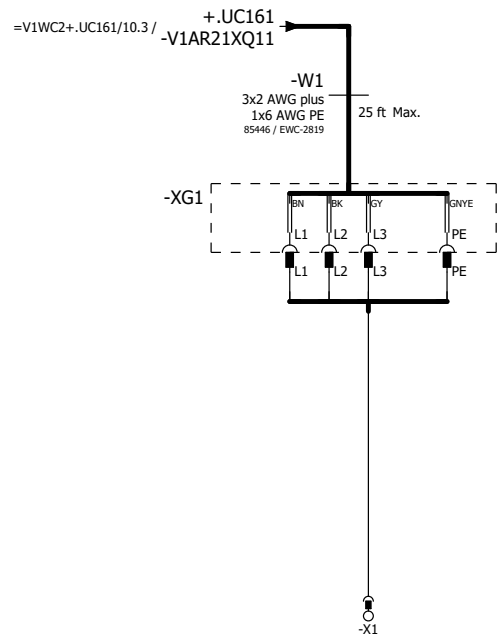
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page 2
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145



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=V1AR21XQ11WC1+.AR21XQ11UC01/1

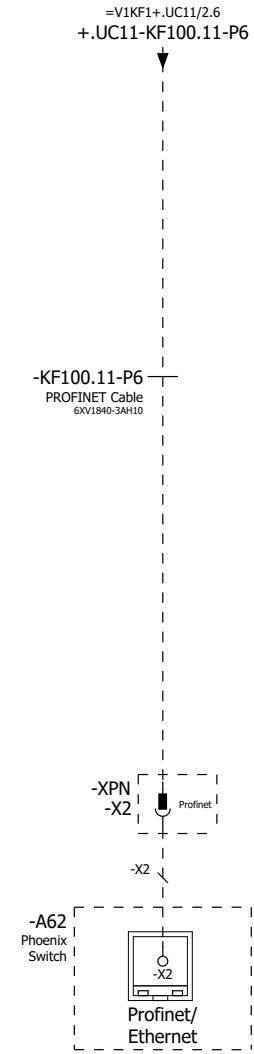
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Document type:	Project nr:	Page
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=V1AR22KF1+.AR22UC01/1

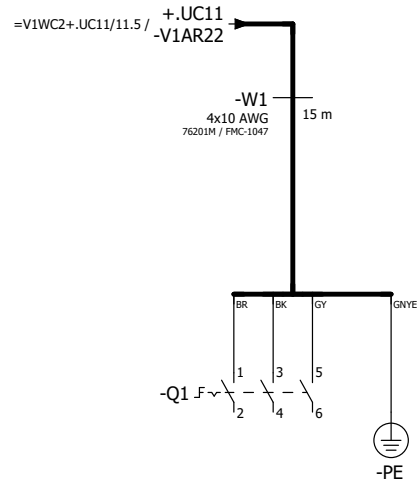
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Document type:	Project nr:	
Modification	Date	Name	Original		Replacement of		Replaced by	EFS	22-16145
								Page	1
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=V1AR21XQ11WC1+.AR21XQ11UC01/1


=V1AR22WC1/1

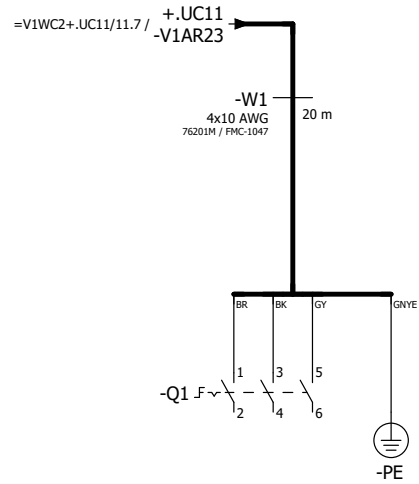
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			Ed.	MKLEPADLO					= 2V12&EFS-EL	
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of		Replaced by		EFS	22-16145
										401



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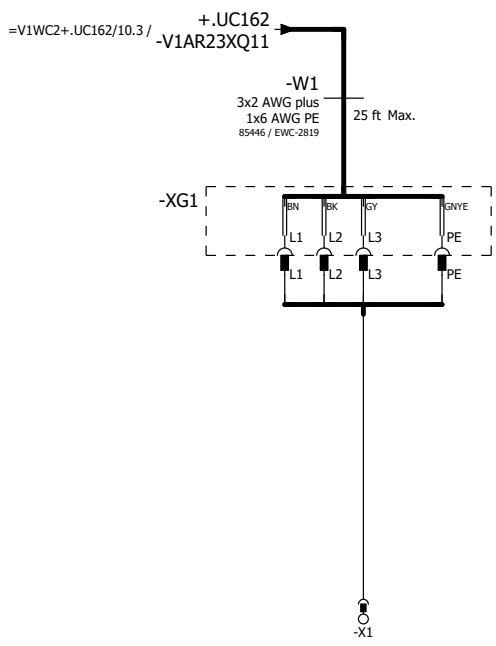
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of		Replaced by	EFS	22-16145
									401



=V1AR23KF1/1


=V1AR23XQ11WC1+.AR23XQ11UC01/1

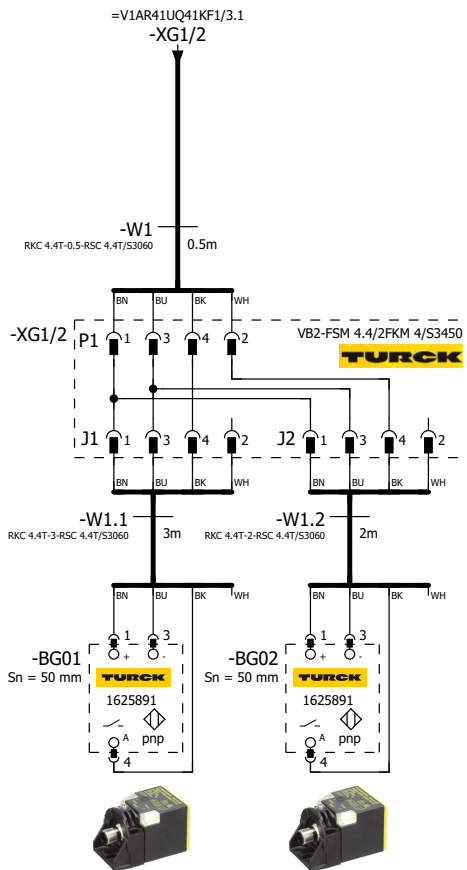
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				Document type:	Project nr:	Page	1
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		EFS	22-16145		401



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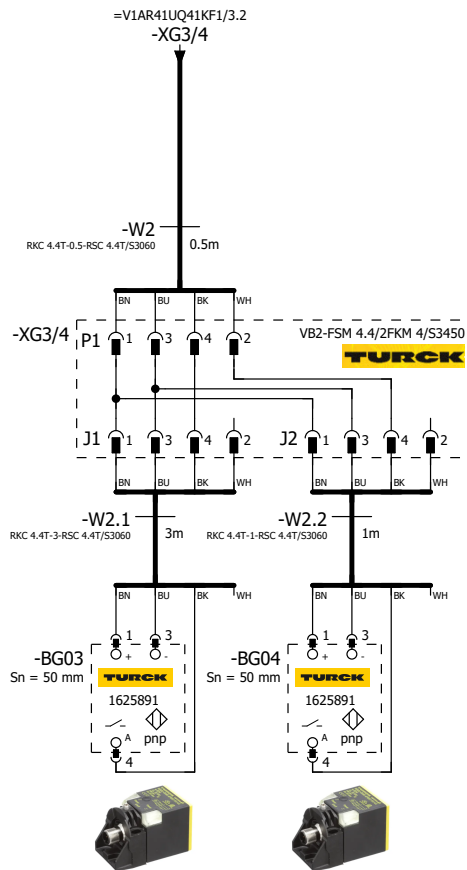
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Document type:	Project nr:	
Modification	Date	Name	Original		Replacement of		Replaced by	EFS	22-16145
								Page	1
									401



=V1AR41UQ41
-BG01
From STA-10
Stage-1 6398 Assy

=V1AR41UQ41
-BG02
From STA-10
Stage-1 6398 Assy

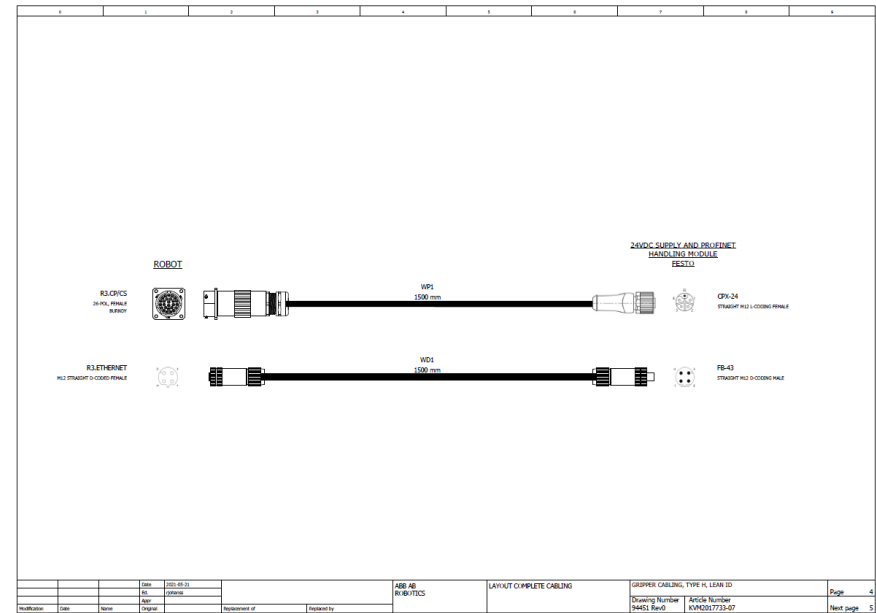
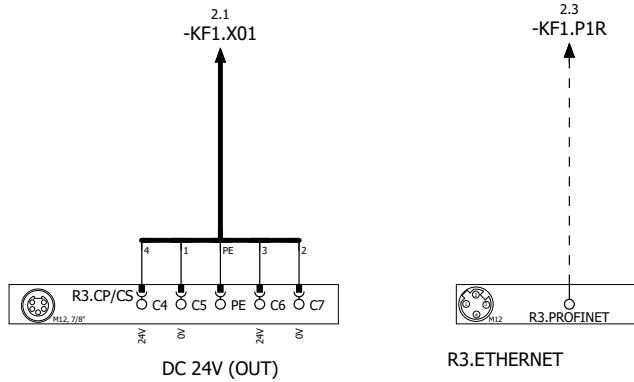


=V1AR41UQ41
-BG03
From STA-10
Stage-2 6985 Assy

=V1AR41UQ41
-BG04
From STA-10
Stage-2 6985 Assy

=V1AR41UQ41KF1/1

			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	SENSORS		Drawing name:	= V1AR41UQ41BG0
			Ed.	MKLEPADLO					= 2V12&EFS-EL	+ V1AR41UQ41
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				Document type:	Project nr:
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		EFS	22-16145
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=V1AR41UQ41BG0/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	24VDC SUPPLY AND PROFINET HANDLING MODULE	Drawing name: = 2V12&EFS-EL	= V1AR41UQ41KF1
Ed.	MKLEPADLO					+ V1AR41UQ41
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Modification	Date	Name	Original	Replacement of	Replaced by	401

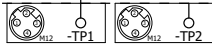


-KF1

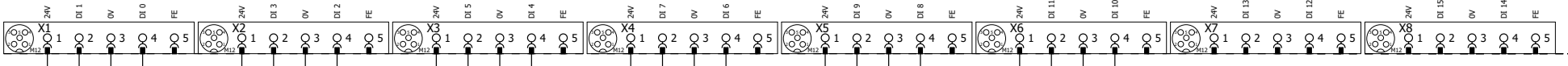
-KF1.11

FESTO
Bus node + Interlinking block
548755 + 550208

FESTO
CPX-M-AB-8-M12X2-5POL
549335



DI:0	$\text{O}^{\text{DI}0}_{\text{x1:4}}$	V1AR41UQ41UQ1.1-BGR	Clamps 1 (RESET)
DI:1	$\text{O}^{\text{DI}1}_{\text{x1:2}}$	V1AR41UQ41UQ1.1-BGS	Clamps 1 (SET)
DI:2	$\text{O}^{\text{DI}2}_{\text{x2:4}}$	V1AR41UQ41UQ1.2-BGR	Clamps 1 (RESET)
DI:3	$\text{O}^{\text{DI}3}_{\text{x2:2}}$	V1AR41UQ41UQ1.2-BGS	Clamps 1 (SET)
DI:4	$\text{O}^{\text{DI}4}_{\text{x3:4}}$	V1AR41UQ41UQ1.3-BGR	Clamps 1 (RESET)
DI:5	$\text{O}^{\text{DI}5}_{\text{x3:2}}$	V1AR41UQ41UQ1.3-BGS	Clamps 1 (SET)
DI:6	$\text{O}^{\text{DI}6}_{\text{x4:4}}$	V1AR41UQ41UQ1.4-BGR	Clamps 1 (RESET)
DI:7	$\text{O}^{\text{DI}7}_{\text{x4:2}}$	V1AR41UQ41UQ1.4-BGS	Clamps 1 (SET)
DI:8	$\text{O}^{\text{DI}8}_{\text{x5:4}}$	V1AR41UQ41UQ2.1-BGR	Clamps 2 (RESET)
DI:9	$\text{O}^{\text{DI}9}_{\text{x5:2}}$	V1AR41UQ41UQ2.1-BGS	Clamps 2 (SET)
DI:10	$\text{O}^{\text{DI}10}_{\text{x6:4}}$	V1AR41UQ41UQ2.2-BGR	Clamps 2 (RESET)
DI:11	$\text{O}^{\text{DI}11}_{\text{x6:2}}$	V1AR41UQ41UQ2.2-BGS	Clamps 2 (SET)
DI:12	$\text{O}^{\text{DI}12}_{\text{x7:4}}$	DI:12	Spare
DI:13	$\text{O}^{\text{DI}13}_{\text{x7:2}}$	DI:13	Spare
DI:14	$\text{O}^{\text{DI}14}_{\text{x8:4}}$	DI:14	Spare
DI:15	$\text{O}^{\text{DI}15}_{\text{x8:2}}$	DI:15	Spare



+ .AR41UQ41UQ1.1-W1
=V1AR41UQ41UQ1+.AR41UQ41UQ1/1.1

+ .AR41UQ41UQ1.2-W1
=V1AR41UQ41UQ1+.AR41UQ41UQ1/1.2

+ .AR41UQ41UQ1.3-W1
=V1AR41UQ41UQ1+.AR41UQ41UQ1/1.4

+ .AR41UQ41UQ1.4-W1
=V1AR41UQ41UQ1+.AR41UQ41UQ1/1.5

+ .AR41UQ41UQ2.1-W1
=V1AR41UQ41UQ2+.AR41UQ41UQ2/1.1

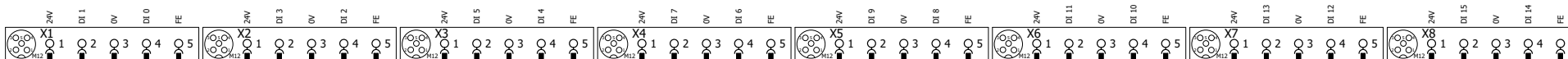
+ .AR41UQ41UQ2.2-W1
=V1AR41UQ41UQ2+.AR41UQ41UQ2/1.2

-KF1.12

FESTO
 CPX-M-AB-8-M12X2-5POL
 549335



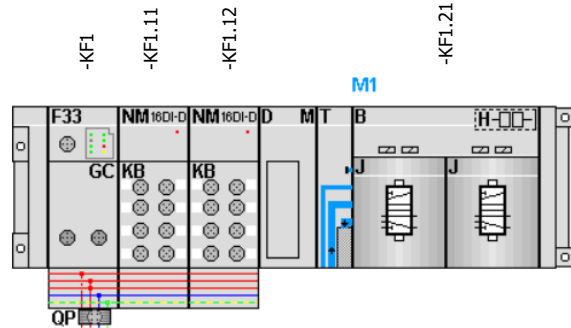
DI:16	$\overline{DI16}$	x1:4	V1AR41UQ41-BG01	From STA-10 Stage-1 6398 ASSY
DI:17	$\overline{DI17}$	x1:2	V1AR41UQ41-BG02	From STA-10 Stage-1 6398 ASSY
DI:18	$\overline{DI18}$	x2:4	V1AR41UQ41-BG03	From STA-10 Stage-2 6985 ASSY
DI:19	$\overline{DI19}$	x2:2	V1AR41UQ41-BG04	From STA-10 Stage-2 6985 ASSY
DI:20	$\overline{DI20}$	x3:4	DI:20	Spare
DI:21	$\overline{DI21}$	x3:2	DI:21	Spare
DI:22	$\overline{DI22}$	x4:4	DI:22	Spare
DI:23	$\overline{DI23}$	x4:2	DI:23	Spare
DI:24	$\overline{DI24}$	x5:4	DI:24	Spare
DI:25	$\overline{DI25}$	x5:2	DI:25	Spare
DI:26	$\overline{DI26}$	x6:4	DI:26	Spare
DI:27	$\overline{DI27}$	x6:2	DI:27	Spare
DI:28	$\overline{DI28}$	x7:4	DI:28	Spare
DI:29	$\overline{DI29}$	x7:2	DI:29	Spare
DI:30	$\overline{DI30}$	x8:4	DI:30	Spare
DI:31	$\overline{DI31}$	x8:2	DI:31	Spare



-XG1/2
 =V1AR41UQ41BG0/1.1

-XG3/4
 =V1AR41UQ41BG0/1.4

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	I/O MOD. DI16 (8 x M12) FOR MPA	Drawing name: = 2V12&EFS-EL	= V1AR41UQ41KF1 + V1AR41UQ41
Ed.	MKLEPADLO				Document type: EFS	Project nr: 22-16145
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1			Page 3
Modification	Date	Name	Original	Replacement of	Replaced by	401



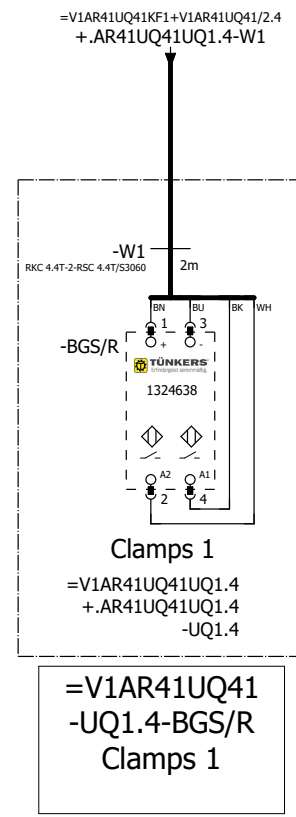
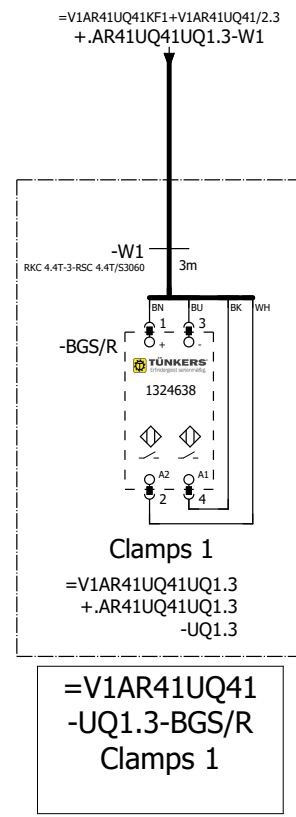
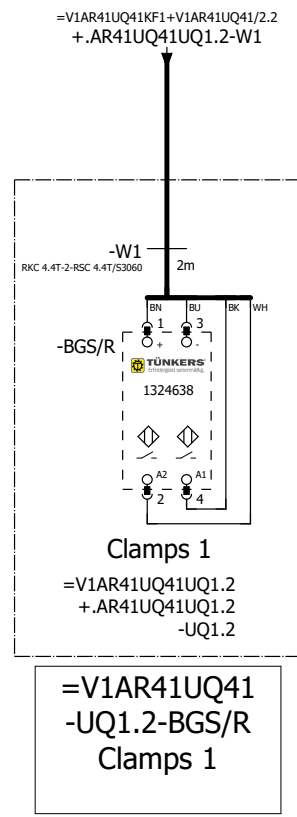
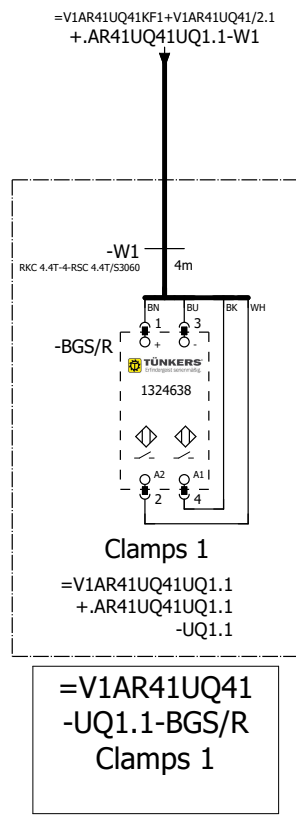
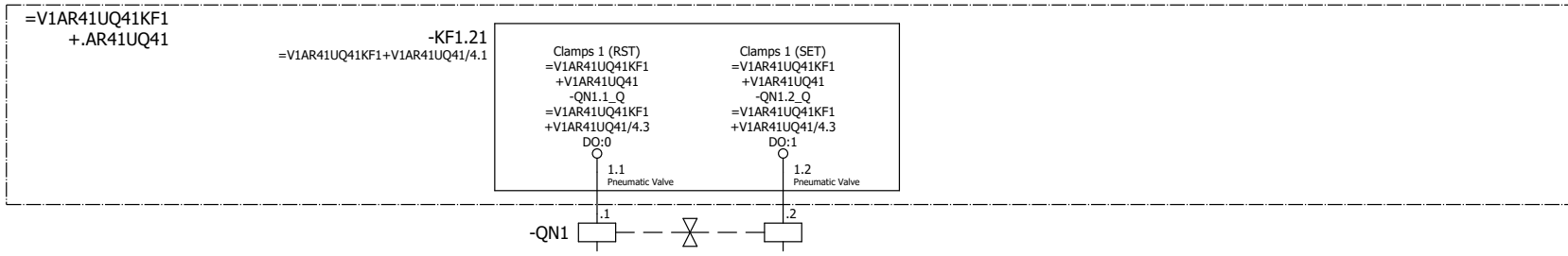
-KF1.21
 =V1AR41UQ41UQ1+.AR41UQ41UQ1/1.3
 =V1AR41UQ41UQ2+.AR41UQ41UQ2/1.3

FESTO	=V1AR41UQ41UQ1+.AR41UQ41UQ1/1.4	DO:0 1.1	-QN1.1_Q	Clamps 1 (RST)
	=V1AR41UQ41UQ1+.AR41UQ41UQ1/1.4	DO:1 1.2	-QN1.2_Q	Clamps 1 (SET)
	=V1AR41UQ41UQ2+.AR41UQ41UQ2/1.4	DO:2 2.1	-QN2.1_Q	Clamps 2 (RST)
	=V1AR41UQ41UQ2+.AR41UQ41UQ2/1.4	DO:3 2.2	-QN2.2_Q	Clamps 2 (SET)

3

=V1AR41UQ41UQ1+.AR41UQ41UQ1/1

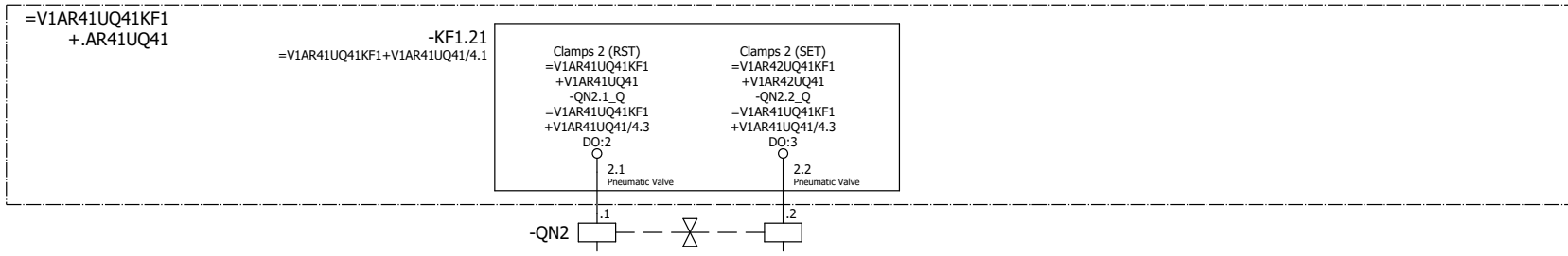
Date		10/21/2022		Volvo Trucks North America		Valiant TMS		CONNECTING MOD. FOR FESTO DQ		Drawing name:		= V1AR41UQ41KF1			
Ed.		MKLEPADLO		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:		= 2V12&EFS-EL		+ V1AR41UQ41			
Appr										EFS		Project nr:		22-16145	
Modification	Date	Name	Original	Replacement of	Replaced by							Page		401	



=V1AR41UQ41KF1+V1AR41UQ41/4

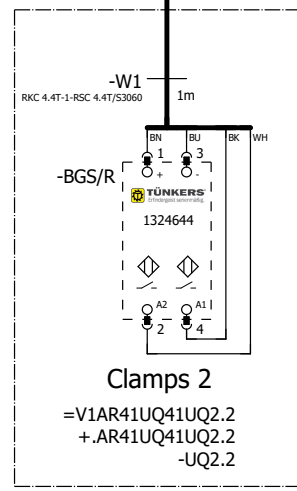
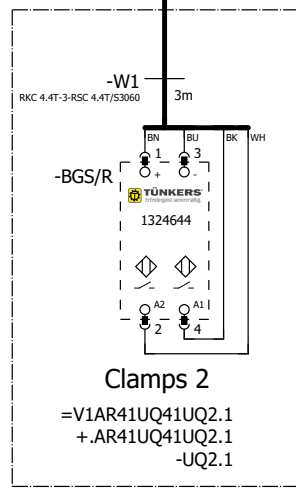
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			Date 10/21/2022	Volvo Trucks North America		Valiant TMS	FESTO DQ CONNECTION QN1	Drawing name: =2V12&EFS-EL	= V1AR41UQ41UQ1 + V1AR41UQ41UQ1
			Ed. MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell				Document type: EFS	Project nr: 22-16145
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1			Page 1 401



=V1AR41UQ41KF1+V1AR41UQ41/2.5
+.AR41UQ41UQ2.1-W1

=V1AR41UQ41KF1+V1AR41UQ41/2.6
+.AR41UQ41UQ2.2-W1



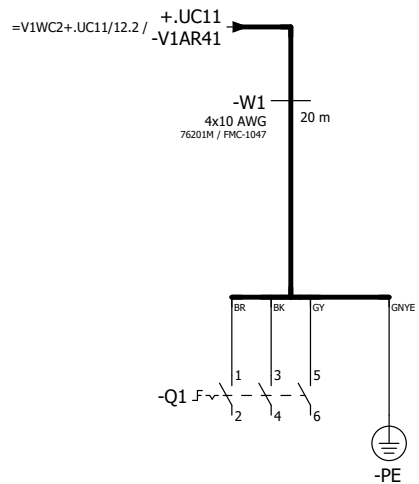
=V1AR41UQ41
-UQ2.1-BGS/R
Clamps 2

=V1AR41UQ41
-UQ2.2-BGS/R
Clamps 2

=V1AR41UQ41UQ1+.AR41UQ41UQ1/1

=V1AR41WC1+.AR41UC01/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN2	Drawing name:	= V1AR41UQ41UQ2				
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1AR41UQ41UQ2				
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:				
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	EFS	22-16145	Page 1	401

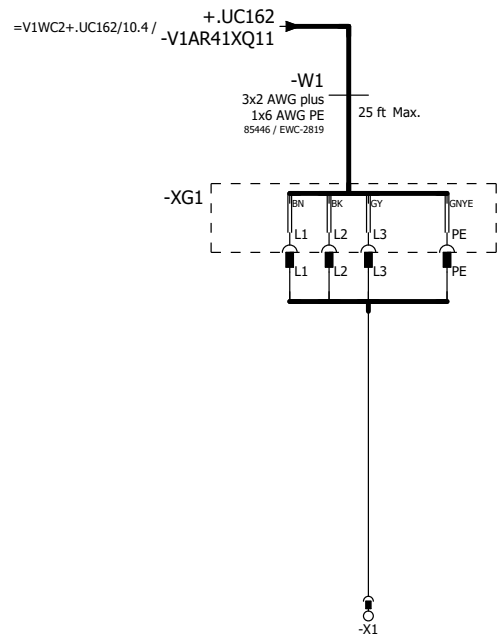


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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Incoming power	Drawing name:	= V1AR41WC1		
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		= 2V12&EFS-EL	+ V1AR41UC01		
Appr					Document type:	Project nr:	Page	1
Modification	Date	Name	Original	Replacement of	Replaced by	EFS	22-16145	401

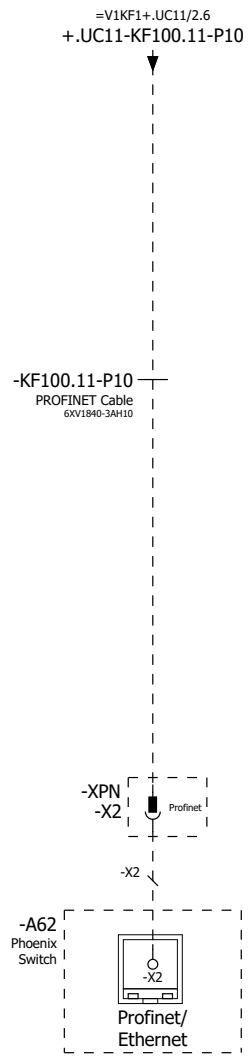




=V1AR41WC1+.AR41UC01/1

=V1AR42KF1+.AR42UC01/1

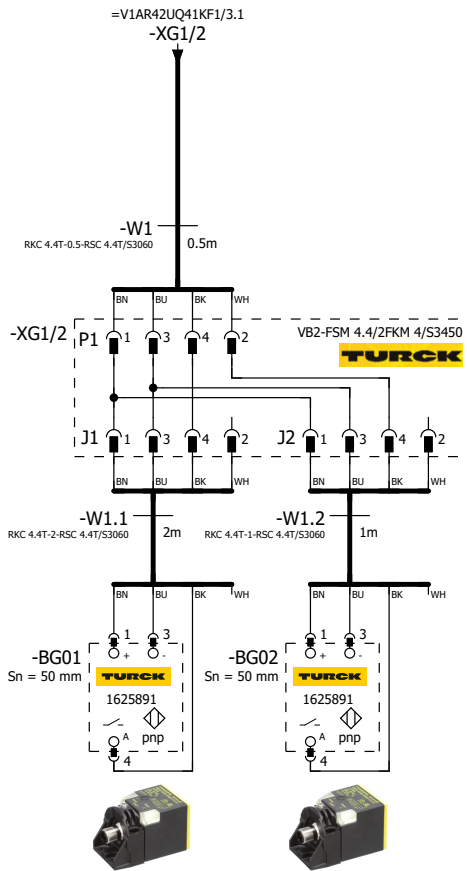
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			Ed.	MKLEPADLO			= 2V12&EFS-EL	+ V1AR41XQ11UC01	
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Document type:	Project nr:	
Modification	Date	Name	Original		Replacement of		Replaced by	EFS	22-16145
								Page	1
									401



=V1AR41XQ11WC1+.AR41XQ11UC01/1

=V1AR42UQ41BG0+.AR42UQ41/1

			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	Incoming Profinet	Drawing name: = 2V12&EFS-EL		= V1AR42KF1
			Ed.	MKLEPADLO						+ V1AR42UC01	
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by			EFS	22-16145	1
										401	



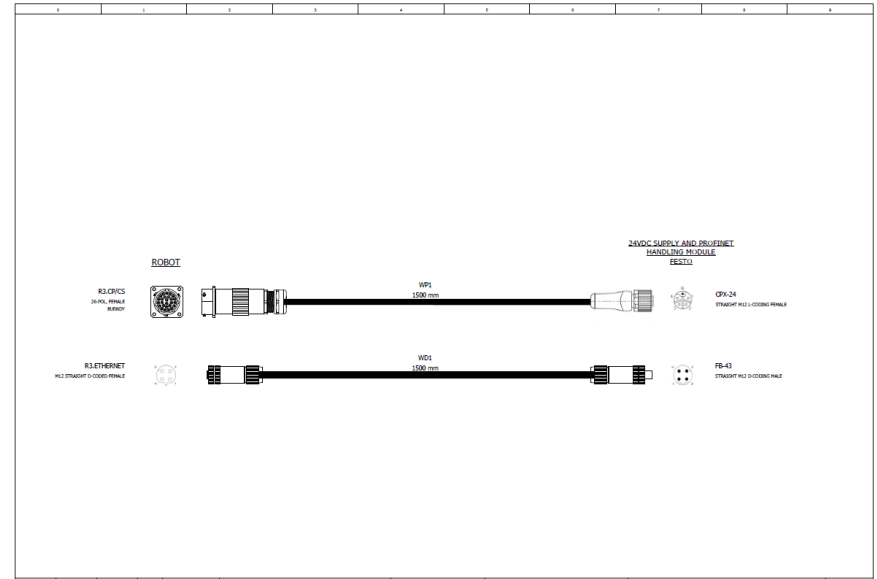
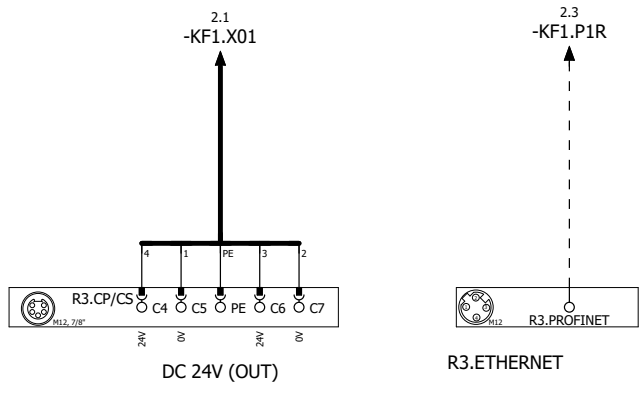
=V1AR42UQ41
-BG01
From STA-20
6985 Assy

=V1AR42UQ41
-BG02
From STA-20
6985 Assy

=V1AR42KF1+.AR42UC01/1

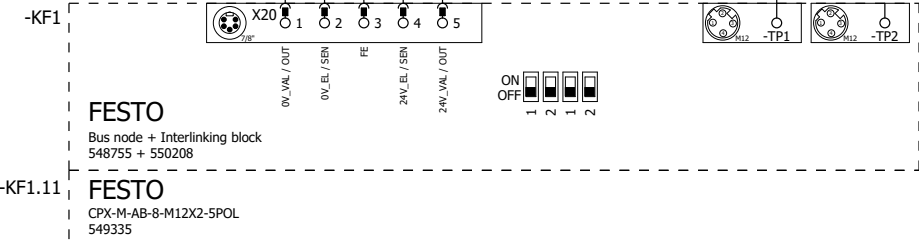
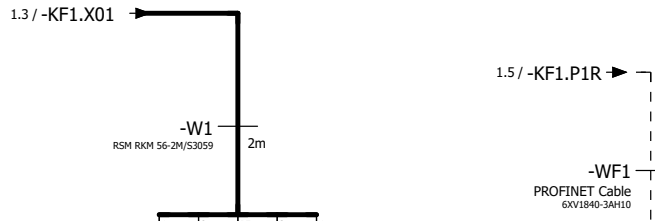
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			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	SENSORS	Drawing name:		= V1AR42UQ41BG0
			Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1AR42UQ41
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of			Replaced by	EFS	22-16145

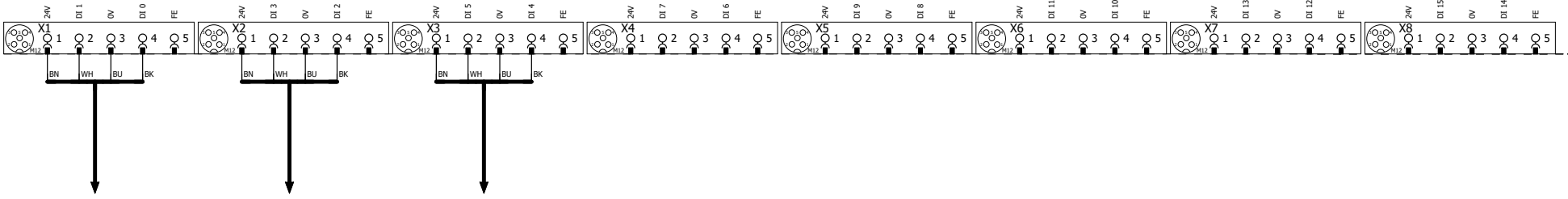


Part No.	Rev.	Design	Replacement of	Approved by	ABB AB R108/7123	LAIVAT COMPLETE CABLING	GRIPPER CABLING, TYPE H, LEAN ID Drawing Number KINAD027733-07	Page 4
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=V1AR42UQ41BG0/1		Date	10/21/2022	Volvo Trucks North America	Valiant TMS	24VDC SUPPLY AND PROFINET HANDLING MODULE	Drawing name: = 2V12&EFS-EL		= V1AR42UQ41KF1 + V1AR42UQ41	
		Ed.	MKLEPADLO				Scale 1:1	Document type: EFS	Project nr: 22-16145	Page 1
Modification	Date	Name	Original	Replacement of	Replaced by					



DI:0	$\text{DI}_{1-4}^{01.0}$	V1AR42UQ41UQ1.1-BGR	Clamp 1 (RESET)
DI:1	$\text{DI}_{1-4}^{01.1}$	V1AR42UQ41UQ1.1-BGS	Clamp 1 (SET)
DI:2	$\text{DI}_{2-4}^{01.2}$	V1AR42UQ41UQ2.1-BGR	Clamps 2 (RESET)
DI:3	$\text{DI}_{2-4}^{01.3}$	V1AR42UQ41UQ2.1-BGS	Clamps 2 (SET)
DI:4	$\text{DI}_{3-4}^{01.4}$	V1AR42UQ41UQ2.2-BGR	Clamps 2 (RESET)
DI:5	$\text{DI}_{3-4}^{01.5}$	V1AR42UQ41UQ2.2-BGS	Clamps 2 (SET)
DI:6	$\text{DI}_{4-4}^{01.6}$	DI:6	Spare
DI:7	$\text{DI}_{4-4}^{01.7}$	DI:7	Spare
DI:8	$\text{DI}_{5-4}^{01.8}$	DI:8	Spare
DI:9	$\text{DI}_{5-2}^{01.9}$	DI:9	Spare
DI:10	$\text{DI}_{6-4}^{01.10}$	DI:10	Spare
DI:11	$\text{DI}_{6-2}^{01.11}$	DI:11	Spare
DI:12	$\text{DI}_{7-4}^{01.12}$	DI:12	Spare
DI:13	$\text{DI}_{7-2}^{01.13}$	DI:13	Spare
DI:14	$\text{DI}_{8-4}^{01.14}$	DI:14	Spare
DI:15	$\text{DI}_{8-2}^{01.15}$	DI:15	Spare



+ -AR42UQ41UQ1.1-W1
=V1AR42UQ41UQ1+-AR42UQ41UQ1/1.1

+ -AR42UQ41UQ2.1-W1
=V1AR42UQ41UQ2+-AR42UQ41UQ2/1.1

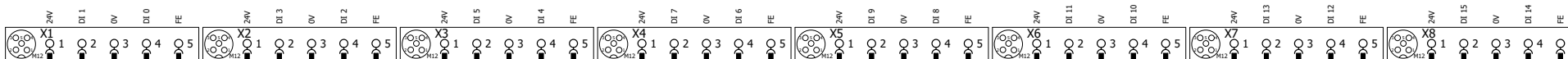
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=V1AR42UQ41UQ2+-AR42UQ41UQ2/1.2

-KF1.12

FESTO
 CPX-M-AB-8-M12X2-5POL
 549335

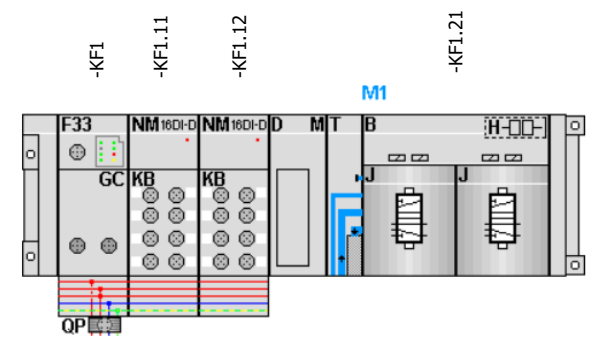


DI:16	DI ¹⁶ _{x1:4}	V1AR42UQ41-BG01	From STA-20 6985 ASSY
DI:17	DI ¹⁷ _{x1:2}	V1AR42UQ41-BG02	From STA-20 6985 ASSY
DI:18	DI ¹⁸ _{x2:4}	DI:18	Spare
DI:19	DI ¹⁹ _{x2:2}	DI:19	Spare
DI:20	DI ²⁰ _{x3:4}	DI:20	Spare
DI:21	DI ²¹ _{x3:2}	DI:21	Spare
DI:22	DI ²² _{x4:4}	DI:22	Spare
DI:23	DI ²³ _{x4:2}	DI:23	Spare
DI:24	DI ²⁴ _{x5:4}	DI:24	Spare
DI:25	DI ²⁵ _{x5:2}	DI:25	Spare
DI:26	DI ²⁶ _{x6:4}	DI:26	Spare
DI:27	DI ²⁷ _{x6:2}	DI:27	Spare
DI:28	DI ²⁸ _{x7:4}	DI:28	Spare
DI:29	DI ²⁹ _{x7:2}	DI:29	Spare
DI:30	DI ³⁰ _{x8:4}	DI:30	Spare
DI:31	DI ³¹ _{x8:2}	DI:31	Spare



-XG1/2
 =V1AR42UQ41BG0/1.1

		Date	10/21/2022	Volvo Trucks North America	Valiant TMS	I/O MOD. DI16 (8 x M12) FOR MPA	Drawing name:	= V1AR42UQ41KF1		
		Ed.	MKLEPADLO					= 2V12&EFS-EL	+ V1AR42UQ41	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page	3
Modification	Date	Name	Original	Replacement of			Replaced by		EFS	22-16145

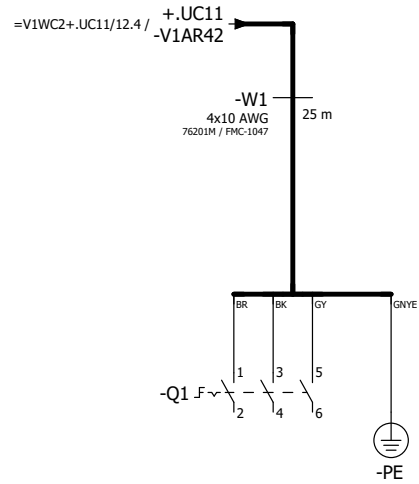


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 =V1AR42UQ41UQ2+.AR42UQ41UQ2/1.3

FESTO	=V1AR42UQ41UQ1+.AR42UQ41UQ1/1.4	DO:0 1.1	-QN1.1_Q	Clamp 1 (RST)
	=V1AR42UQ41UQ1+.AR42UQ41UQ1/1.4	DO:1 1.2	-QN1.2_Q	Clamp 1 (SET)
	=V1AR42UQ41UQ2+.AR42UQ41UQ2/1.4	DO:2 2.1	-QN2.1_Q	Clamps 2 (RST)
	=V1AR42UQ41UQ2+.AR42UQ41UQ2/1.4	DO:3 2.2	-QN2.2_Q	Clamps 2 (SET)

=V1AR42UQ41UQ1+.AR42UQ41UQ1/1

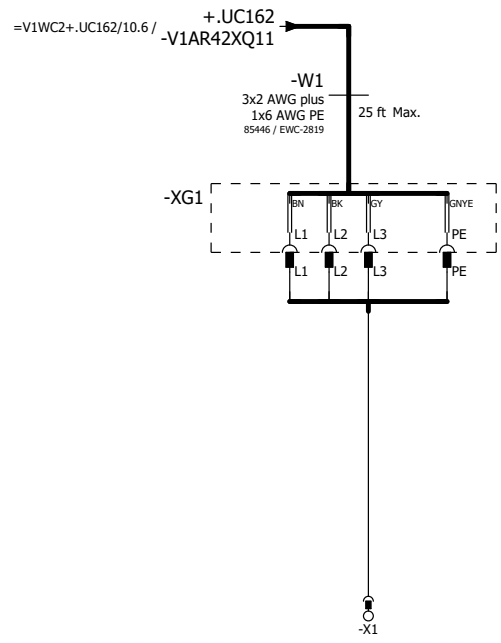
3		Date: 10/21/2022		Volvo Trucks North America		Valiant TMS		CONNECTING MOD. FOR FESTO DQ		Drawing name: =2V12&EFS-EL		= V1AR42UQ41KF1	
		Ed: MKLEPADLO								Document type: EFS		Project nr: 22-16145	
Modification		Date		Name		Original		Replacement of		Replaced by		Page 4	
								Scale 1:1				401	



=V1AR42UQ41UQ2+.AR42UQ41UQ2/1

=V1AR42XQ11WC1+.AR42XQ11UC01/1

			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	Incoming power	Drawing name:		= V1AR42WC1	
			Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1AR42UC01	
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr: 22-16145	Page	1
Modification	Date	Name	Original		Replacement of	Replaced by		EFS				




=V1AR42WC1+.AR42UC01/1

=V1FQ1+.FQ1/1

Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Incoming power	Drawing name: =2V12&EFS-EL Document type: EFS	Project nr: 22-16145	Page 1
								= V1AR42XQ11WC1 + V1AR42XQ11UC01		401

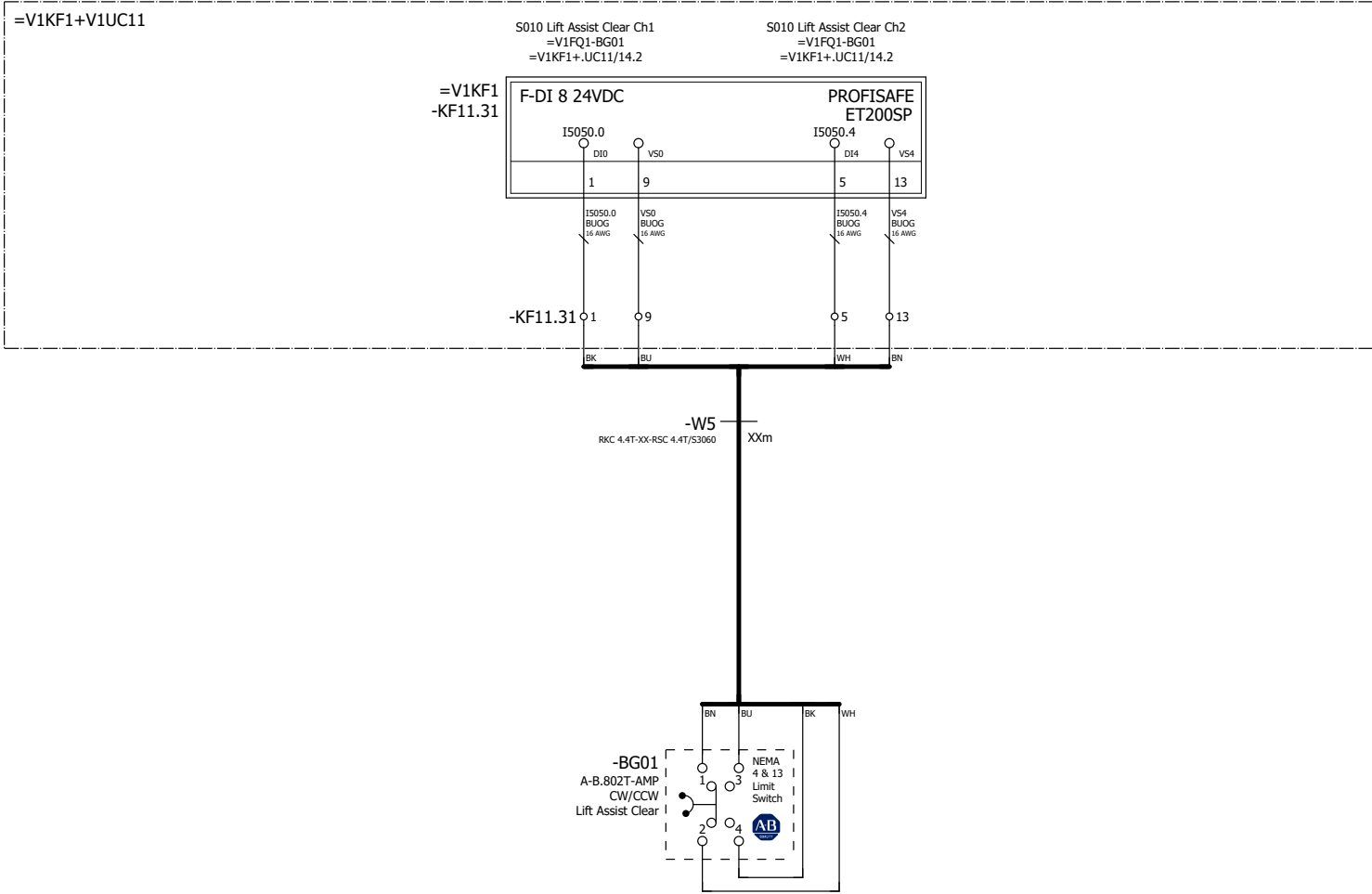
Date	10/21/2022
Ed.	MKLEPADLO
Appr	

Volvo Trucks North America

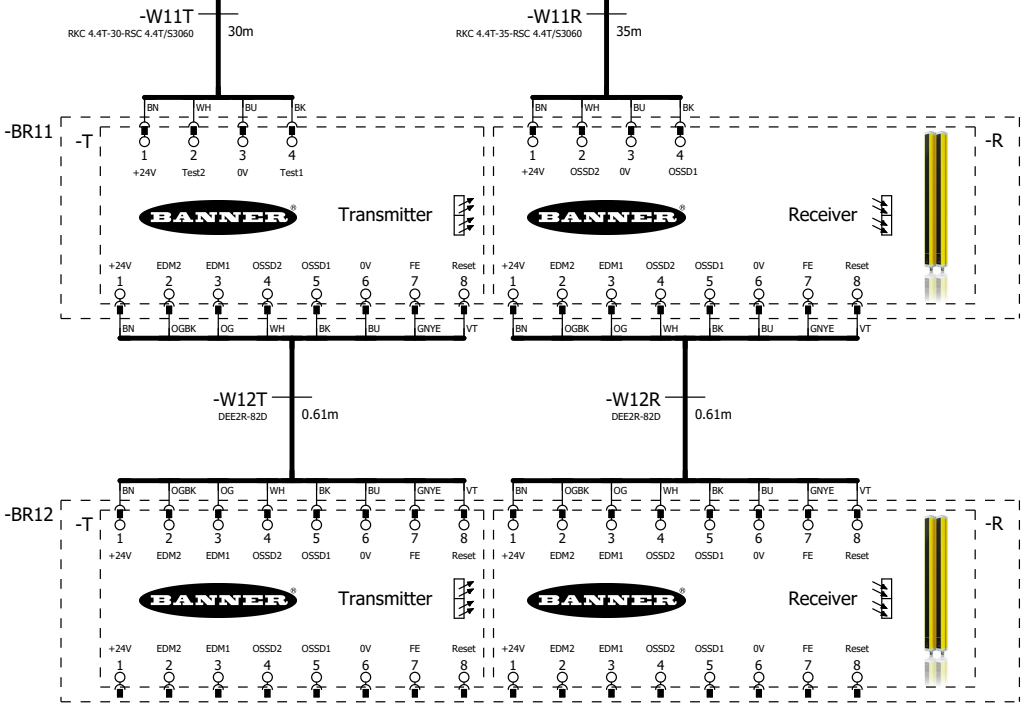
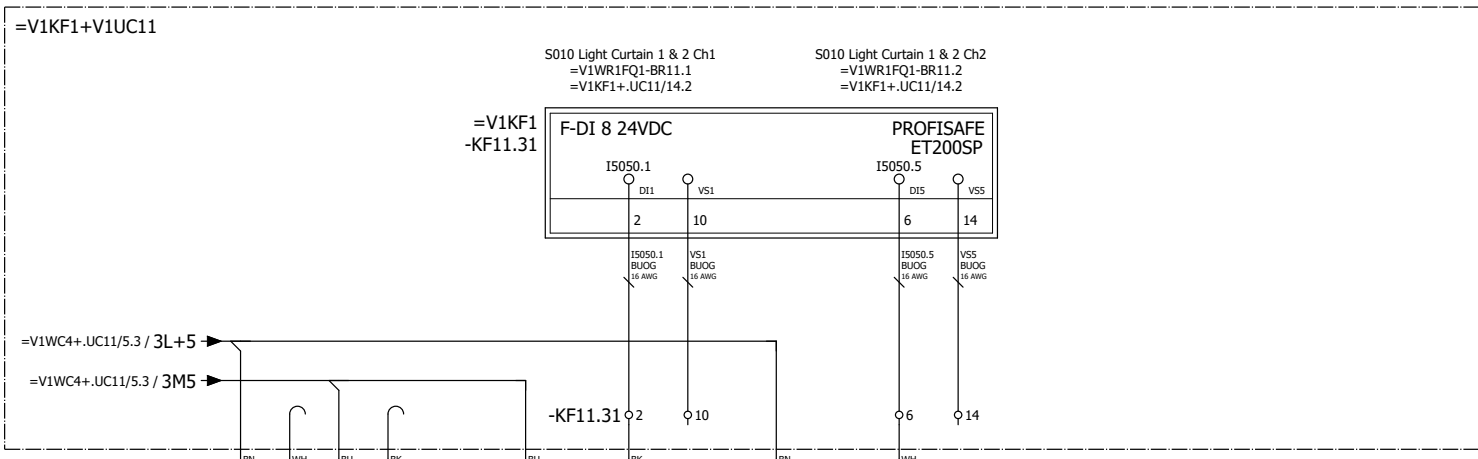


P6700 Rear Wall Hdr & Door Ring RH Cell

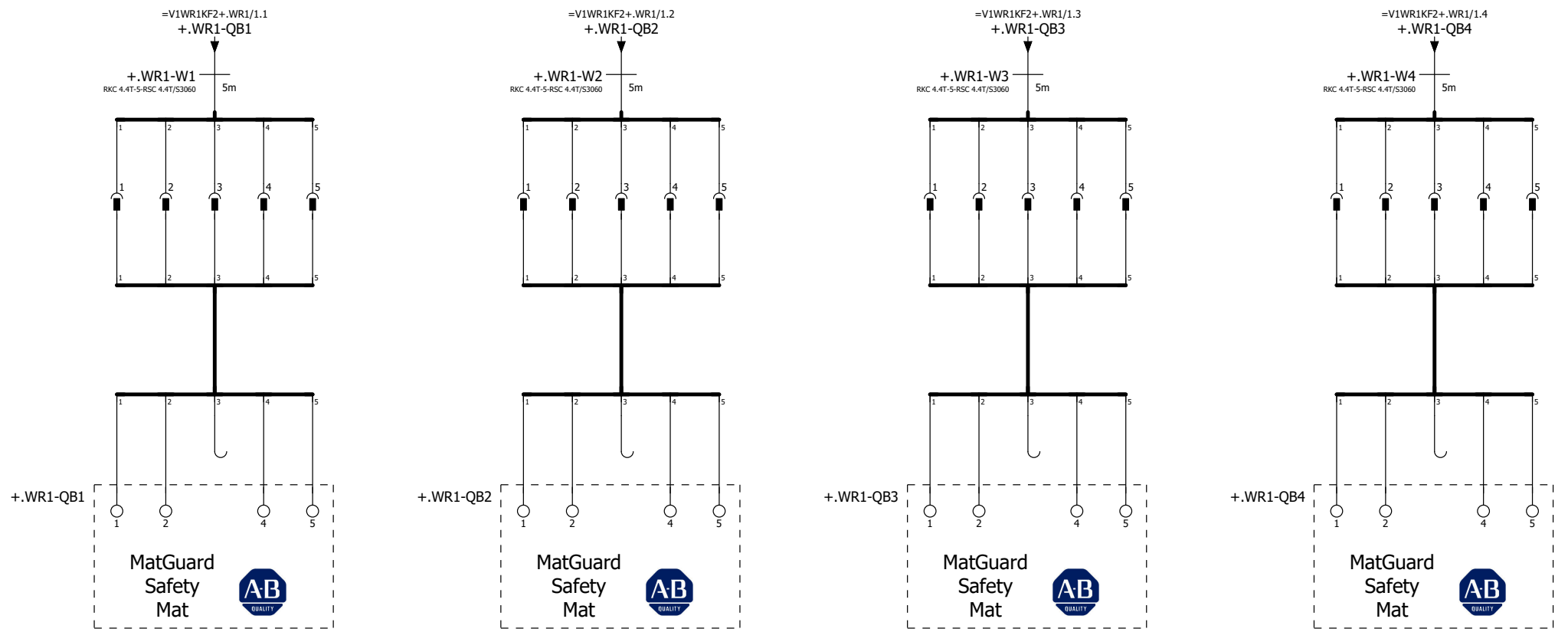
Valiant TMS



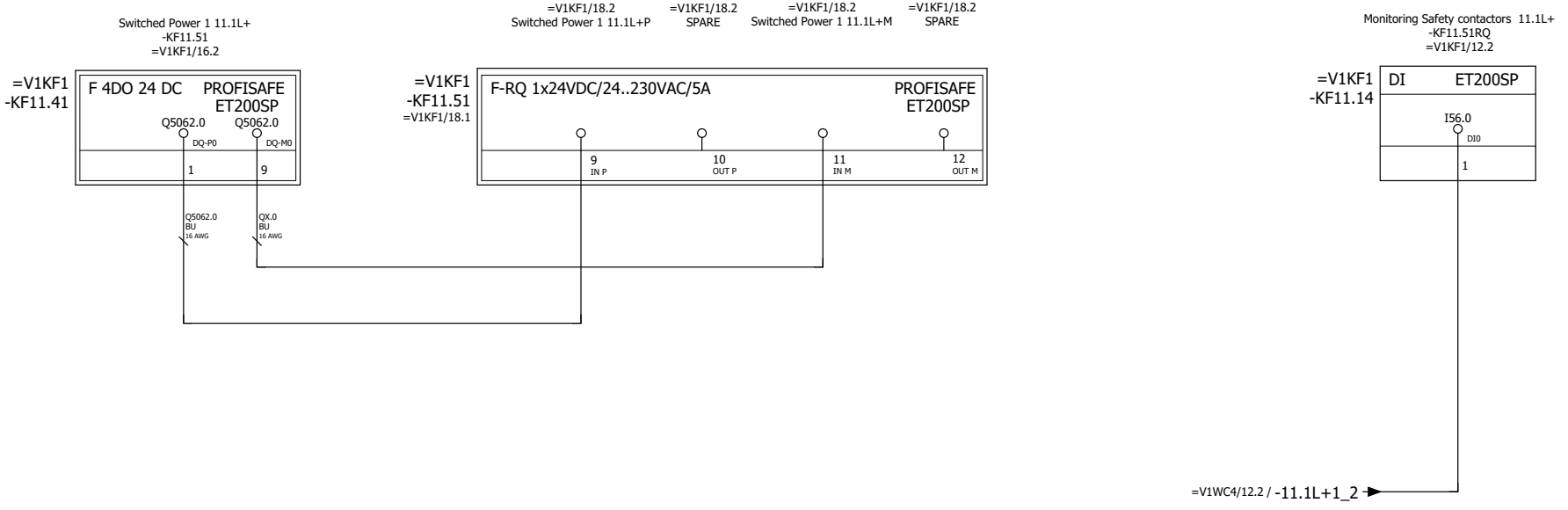
				Date	10/31/2022	Volvo Trucks North America	Valiant TMS	S010 Lift Assist Safety Switch	Drawing name:	= V1FQ1
				Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1FQ1
				Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		EFS	22-16145
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										401



		Date	10/21/2022	Volvo Trucks North America	Valiant TMS	S010 Light Curtain	Drawing name:	= V1FQ1	
		Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1FQ1	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	EFS	22-16145	
								Page	6
									401



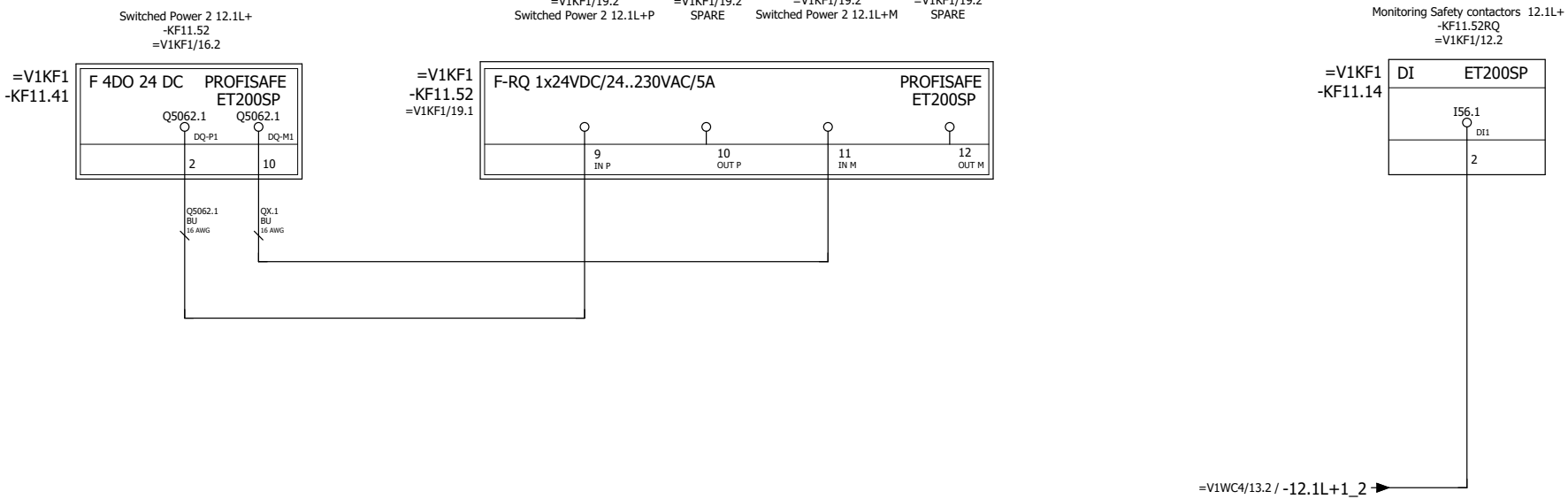
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		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1FQ1
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original	Replacement of		Replaced by	EFS	22-16145	10



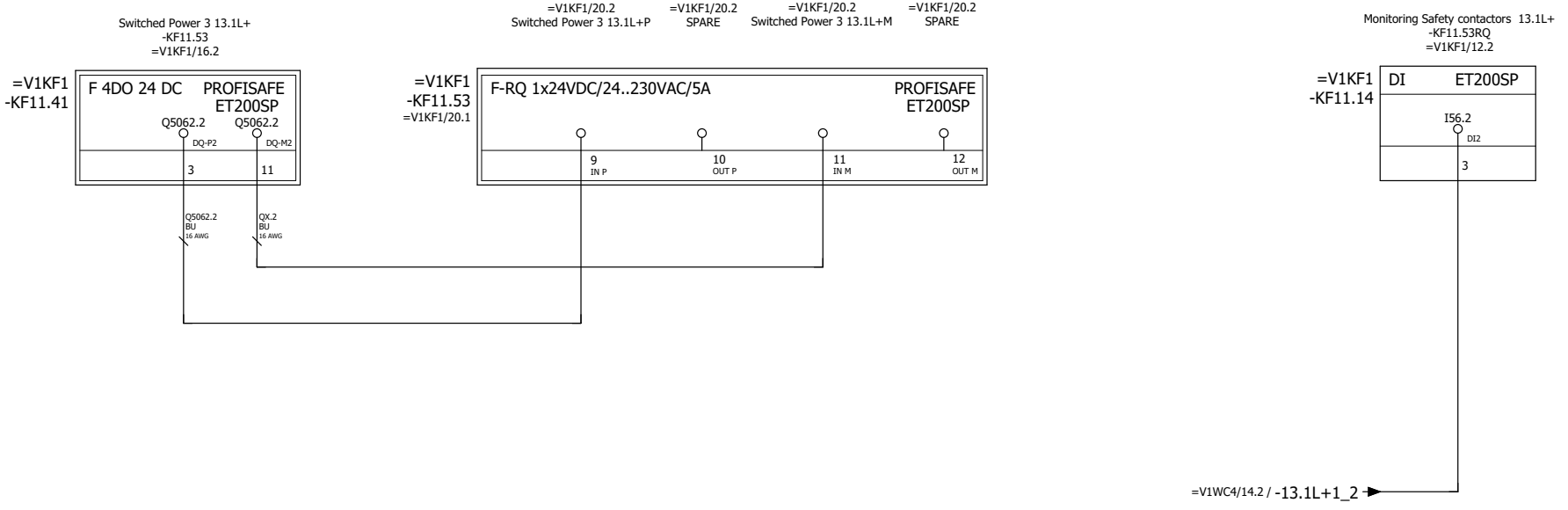
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2

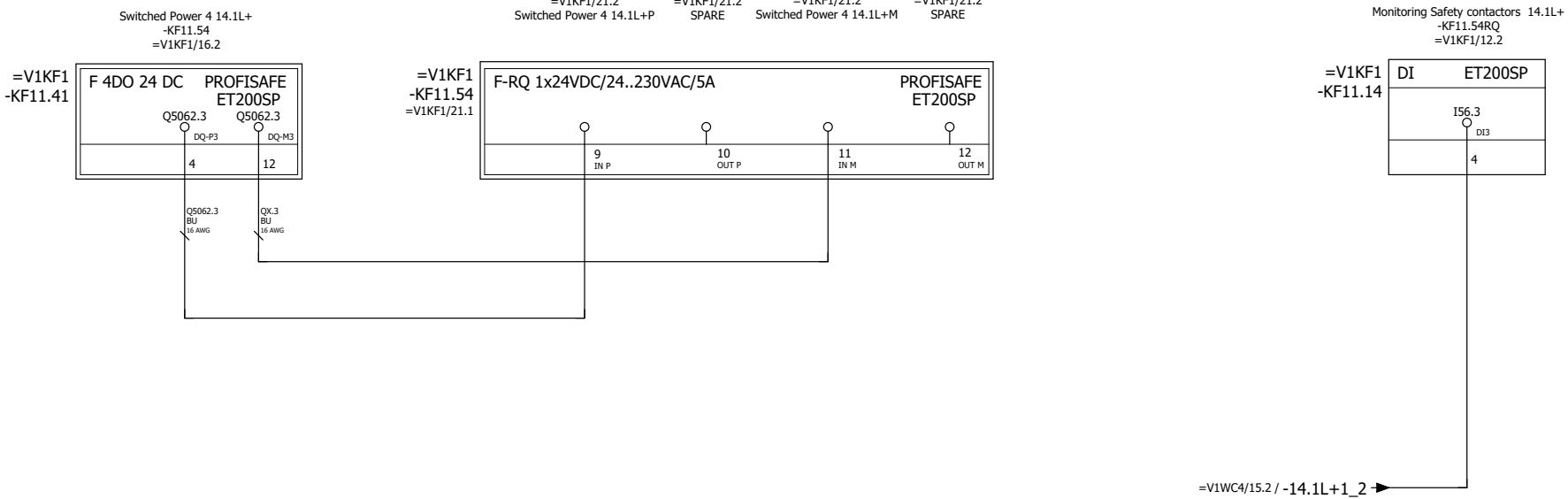
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		Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell				Document type:	Project nr:	EFS	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	22-16145		401		



Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Safety power monitoring RQ - KF11.52	Drawing name: =2V12&EFS-EL	= V1FQ1 + V1UC11	
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	
Appr					EFS	22-16145	Page
Modification	Date	Name	Original	Replacement of	Replaced by		401

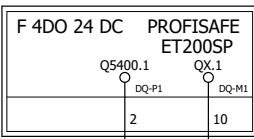


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				Ed.	MKLEPADLO							= 2V12&EFS-EL		+ V1UC11
				Appr		P6700 Rear Wall Hdr & Door Ring RH Cell					Document type:	Project nr:	Page	3
Modification	Date	Name	Original	Replacement of	Replaced by						EFS	22-16145		401



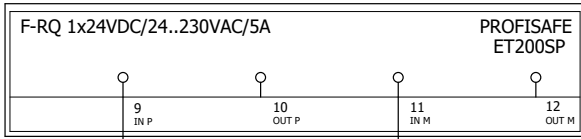
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145	4
										401

=V1KF1
-KF46.41



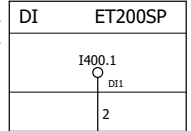
=V1KF1/109.2 UQ52 motion power enable
 =V1KF1/109.2 Spare
 =V1KF1/109.2 UQ52 motion power enable
 =V1KF1/109.2 Spare

=V1KF1
-KF46.52
=V1KF1/109.0



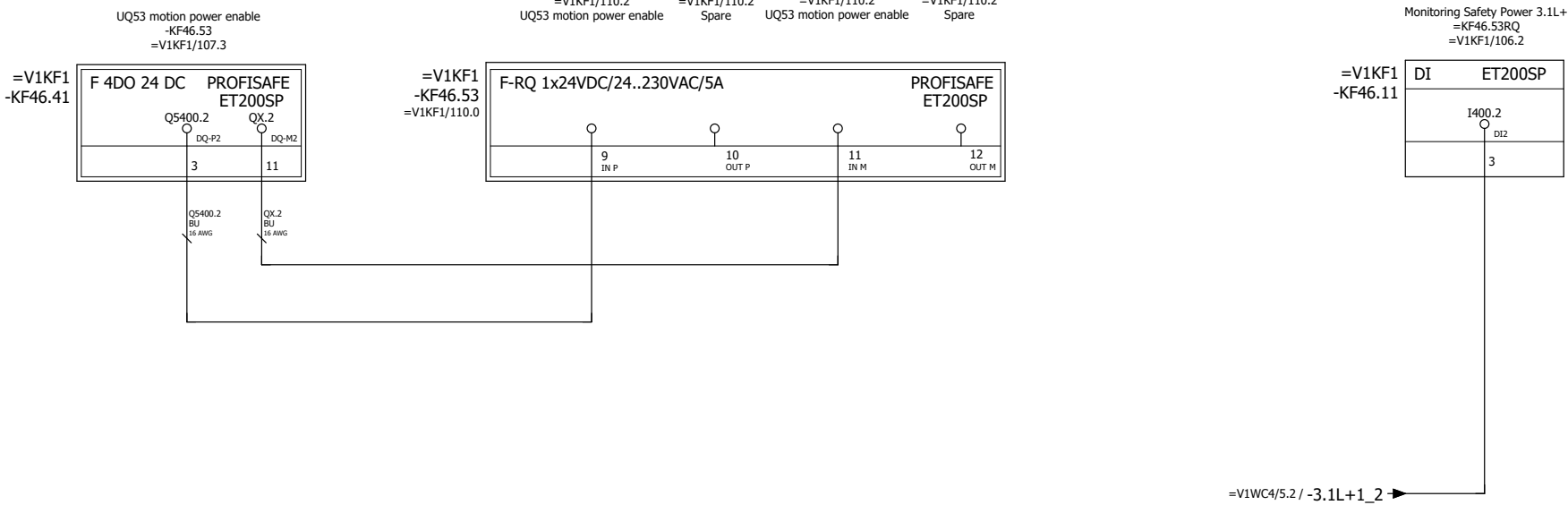
Monitoring Safety Power 2.2L+
 =KF46.52RQ
 =V1KF1/106.2


=V1KF1
-KF46.11

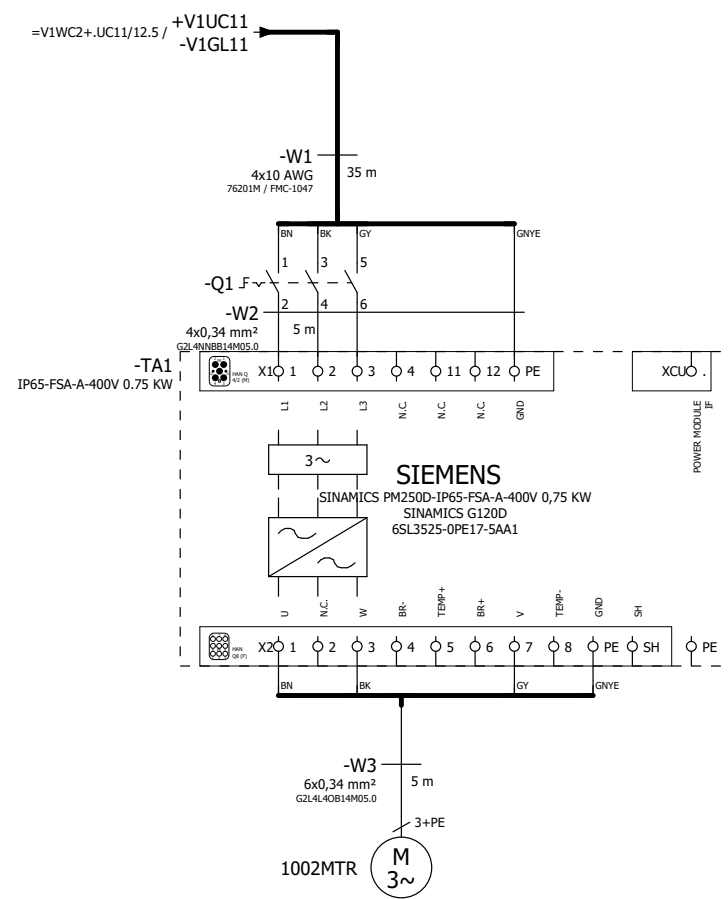


=V1WC4/4.2 / -2.2L+1_2

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		Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1UC46
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by			EFS	22-16145	2
										401



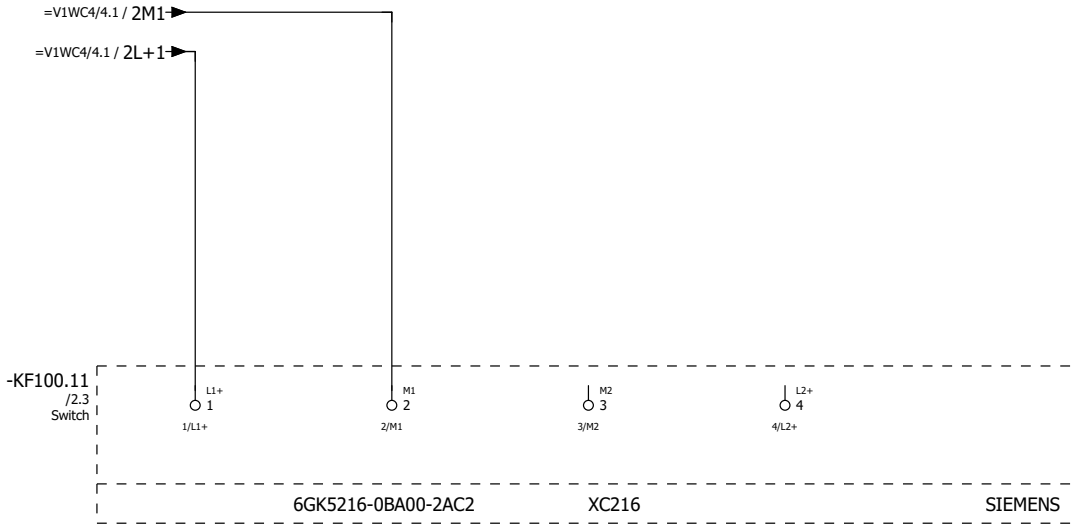
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				Document type:		Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1		EFS		22-16145	
										Page	3
											401



=V1GL11KF1+V1GL11/10

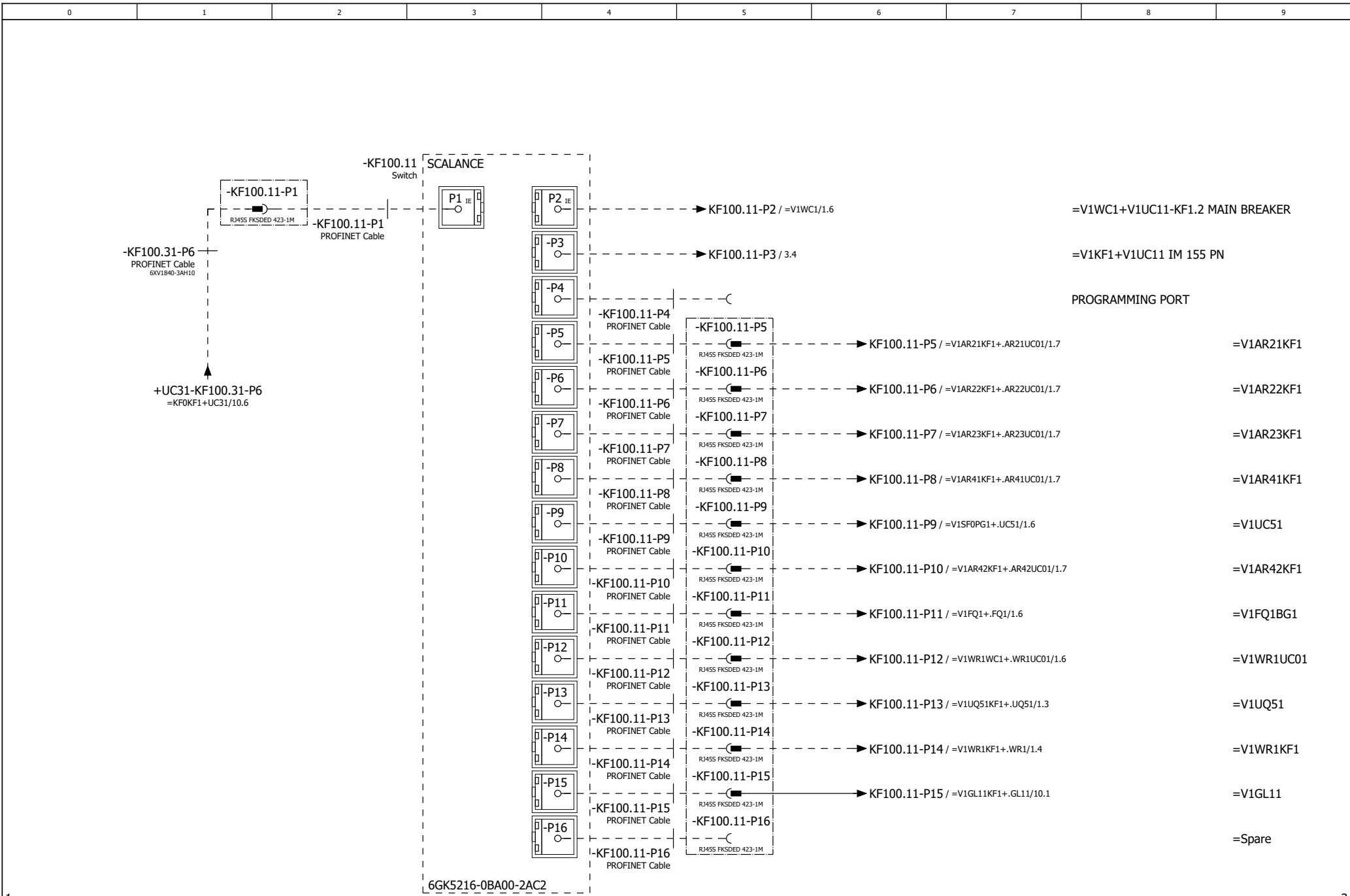
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145
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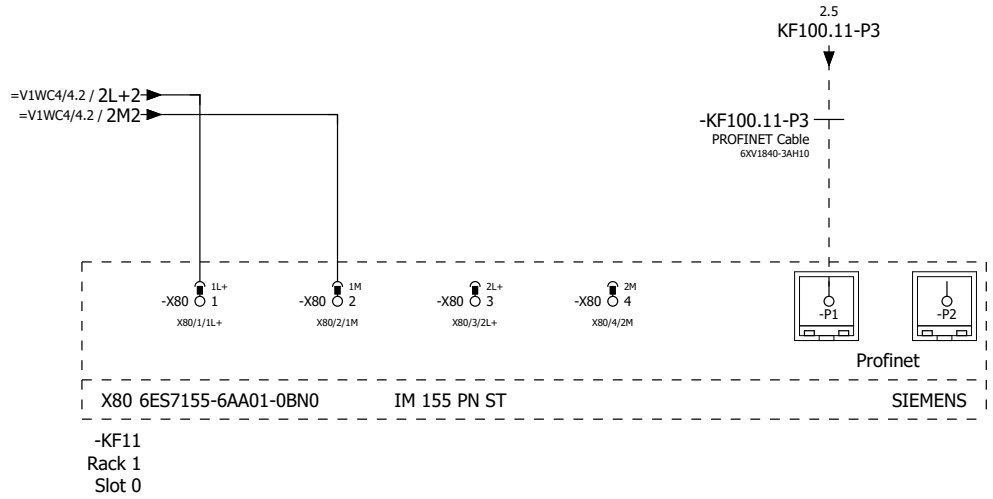
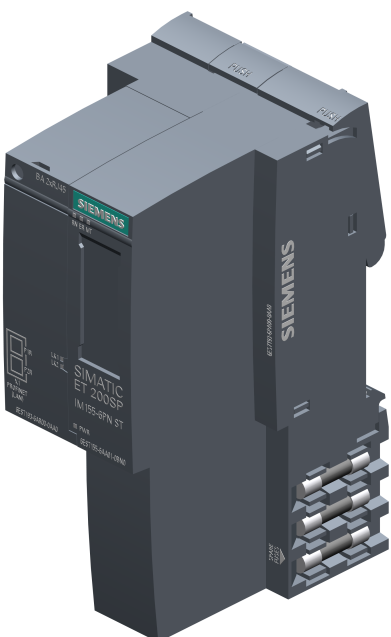


=V1GL11WC1+.GL11UC01/1

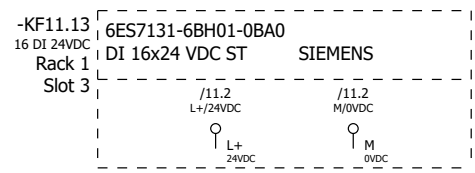
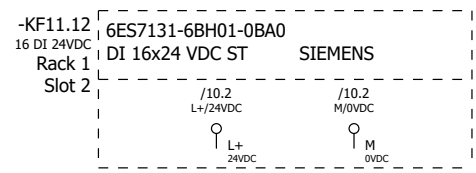
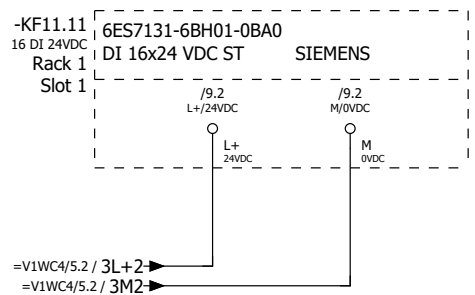
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		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC11
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145
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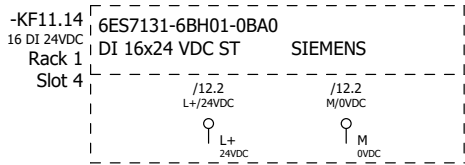
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Appr				P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Original				Replacement of		Replaced by		Scale 1:1		EFS		22-16145	
Modification		Date		Name		Original				Page		2	
										401			



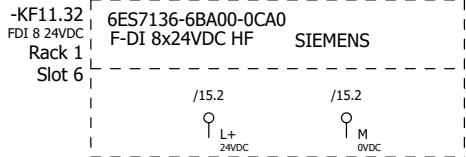
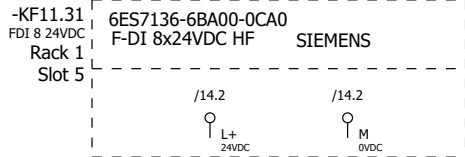
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1				EFS		22-16145	
											Page	3	
												401	

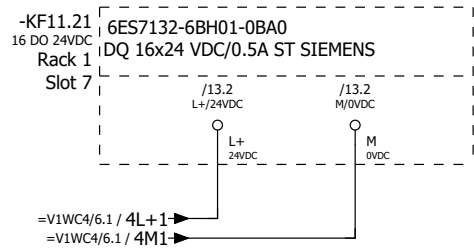


			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	ET200S Wiring DI	Drawing name:	= V1KF1
			Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1UC11
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1	EFS	22-16145
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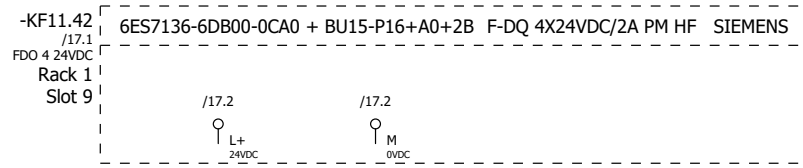
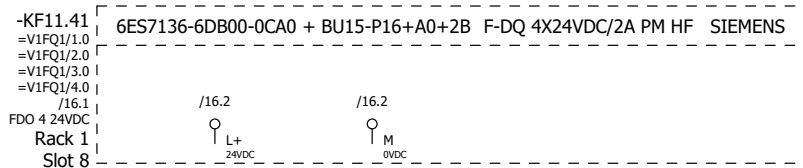


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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145	5
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				Date	10/21/2022	Volvo Trucks North America	Valiant TMS	ET200S Wiring DQ	Drawing name:		= V1KF1
				Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC11
				Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by				EFS	22-16145	7
										401	

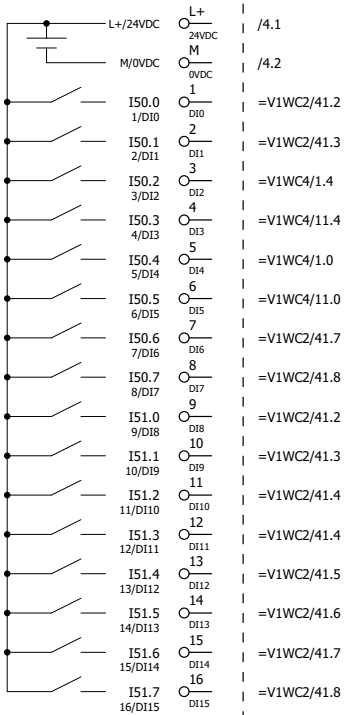


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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:		Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145		8
										401	

-KF11.11
/4.0

ET 200SP
DI 16x24 VDC ST

SIEMENS



6ES7131-6BH01-0BA0

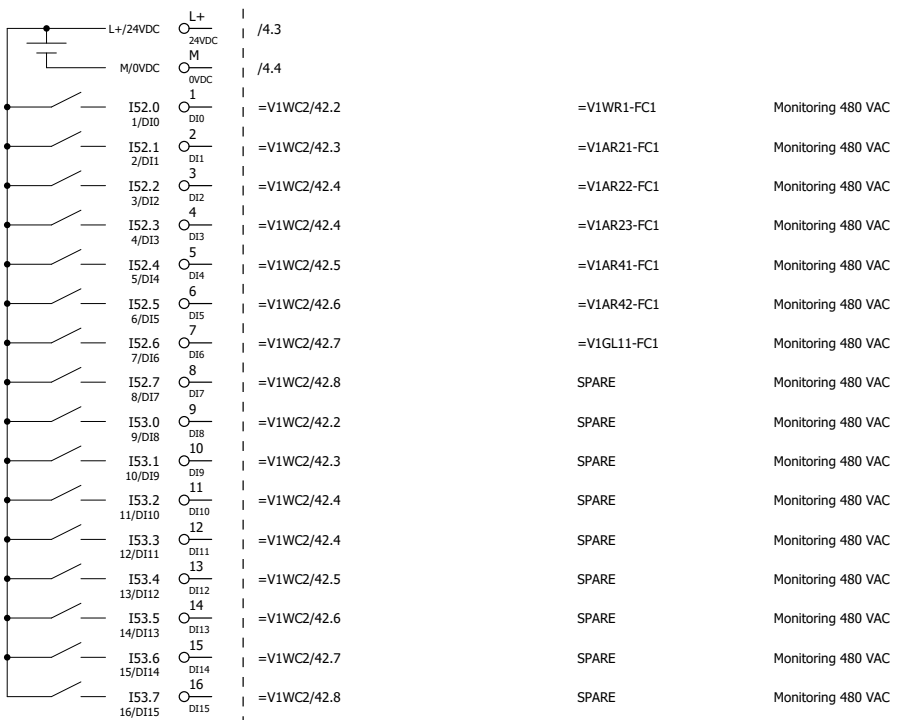
150.0	=V1WC2/41.2	150.0	SPARE
150.1	=V1WC2/41.3	=V1UC11-FC1	Monitoring 480 VAC
150.2	=V1WC4/1.4	=V1WC4+V1UC11-TA1_I	Monitoring 24VDC
150.3	=V1WC4/11.4	=V1WC4+V1UC11-TA2_I	Monitoring 24VDC
150.4	=V1WC4/1.0	=V1WC4+V1UC11-FC11_I	Monitoring 24VDC
150.5	=V1WC4/11.0	=V1WC4+V1UC11-FC12_I	Monitoring 24VDC
150.6	=V1WC2/41.7	150.6	SPARE
150.7	=V1WC2/41.8	150.7	SPARE
151.0	=V1WC2/41.2	151.0	SPARE
151.1	=V1WC2/41.3	151.1	SPARE
151.2	=V1WC2/41.4	151.2	SPARE
151.3	=V1WC2/41.4	151.3	SPARE
151.4	=V1WC2/41.5	151.4	SPARE
151.5	=V1WC2/41.6	151.5	SPARE
151.6	=V1WC2/41.7	151.6	SPARE
151.7	=V1WC2/41.8	151.7	SPARE

Date	9/26/2022	Volvo Trucks North America	Valiant TMS	ET200S DI Overview KF11.11	Drawing name:	= V1KF1	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1UC11	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Page 9
							401

-KF11.12
/4.3

ET 200SP
DI 16x24 VDC ST

SIEMENS



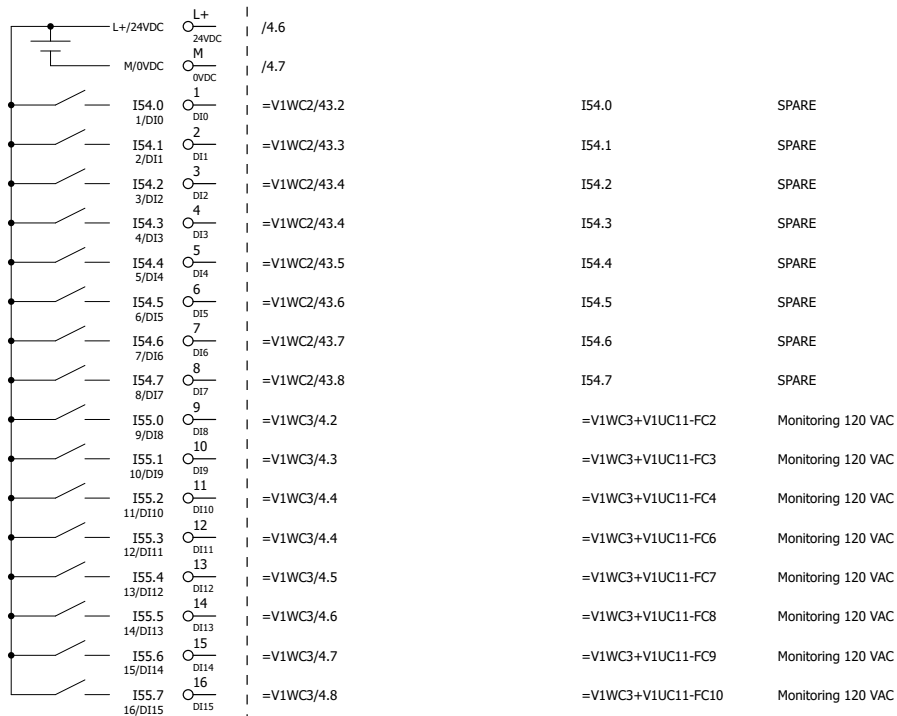
6ES7131-6BH01-0BA0

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Original				Replacement of		Replaced by		Scale 1:1		EFS		22-16145	
Modification	Date	Name	Original									Page	10
													401

-KF11.13
/4.5

ET 200SP
DI 16x24 VDC ST

SIEMENS



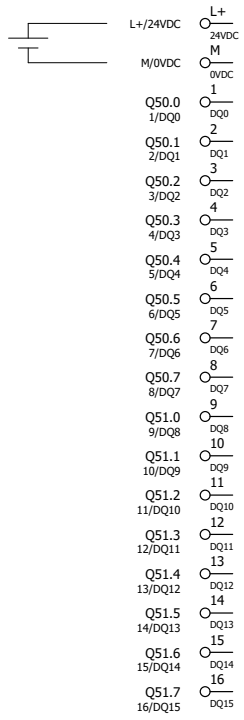
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Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Page 11
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-KF11.21
/7.1
16 DO 24VDC

ET 200SP
DQ 16x24 VDC/0.5A ST

SIEMENS



/7.1			
/7.2			
Q50.0 1/DQ0	=V1PZ1PF1+.UC61/1.3	=V1PZ1PF1+UC61-PF1_1	S010 Indication column Blue
Q50.1 2/DQ1	=V1PZ1PF1+.UC61/1.4	=V1PZ1PF1+UC61-PF1_2	S010 Indication column Green
Q50.2 3/DQ2	=V1PZ1PF1+.UC61/1.4	=V1PZ1PF1+UC61-PF1_3	S010 Indication column Yellow
Q50.3 4/DQ3	=V1PZ1PF1+.UC61/1.5	=V1PZ1PF1+UC61-PF1_4	S010 Indication column Red
Q50.4 5/DQ4	=V1PZ1PF1+.UC61/1.6	=V1PZ1PF1+UC61-PF1_5	S010 Indication column Siren
Q50.5 6/DQ5		Q50.5	Spare
Q50.6 7/DQ6		Q50.6	Spare
Q50.7 8/DQ7		Q50.7	Spare
Q51.0 9/DQ8		Q51.0	Spare
Q51.1 10/DQ9		Q51.1	Spare
Q51.2 11/DQ10		Q51.2	Spare
Q51.3 12/DQ11		Q51.3	Spare
Q51.4 13/DQ12		Q51.4	Spare
Q51.5 14/DQ13		Q51.5	Spare
Q51.6 15/DQ14		Q51.6	Spare
Q51.7 16/DQ15		Q51.7	Spare

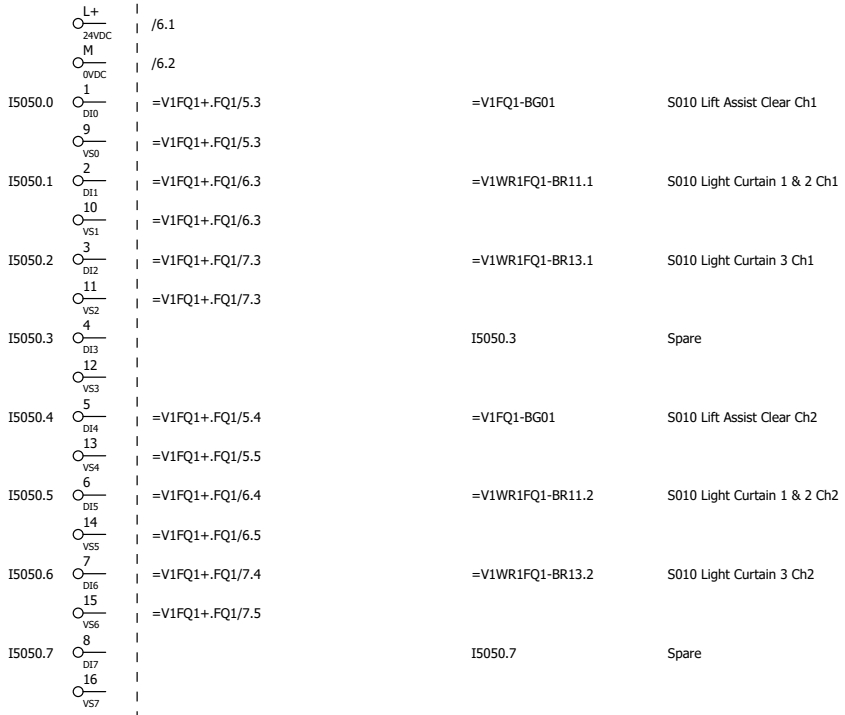
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:		Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145		13
											401

-KF11.31
/6.0

ET 200SP
F-DI 8x24VDC HF

SIEMENS



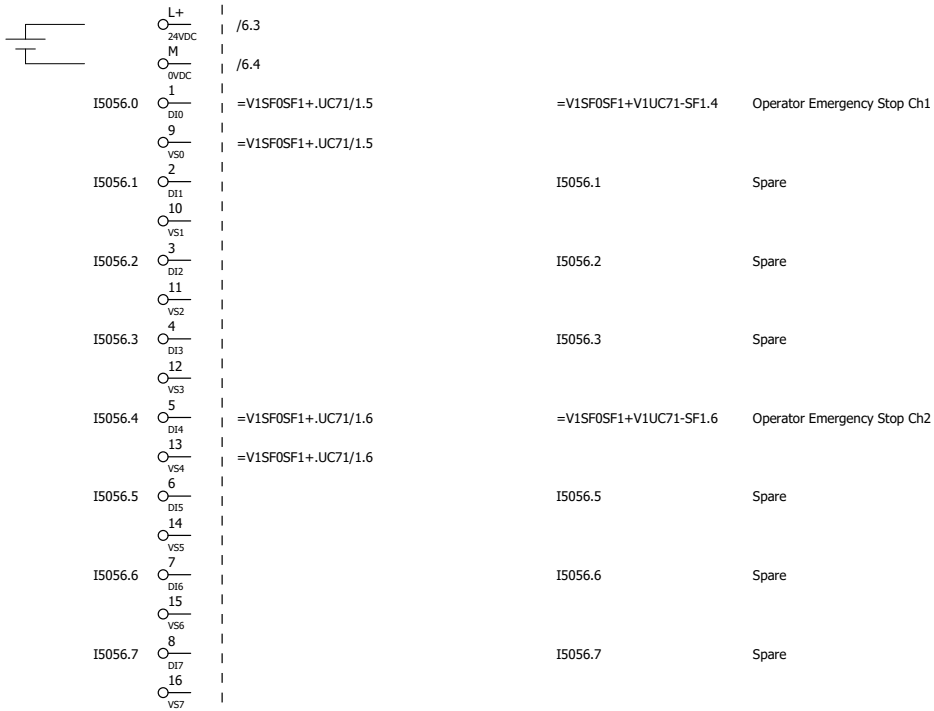
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		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC11
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145

-KF11.32
/6.3

ET 200SP
F-DI 8x24VDC HF

SIEMENS



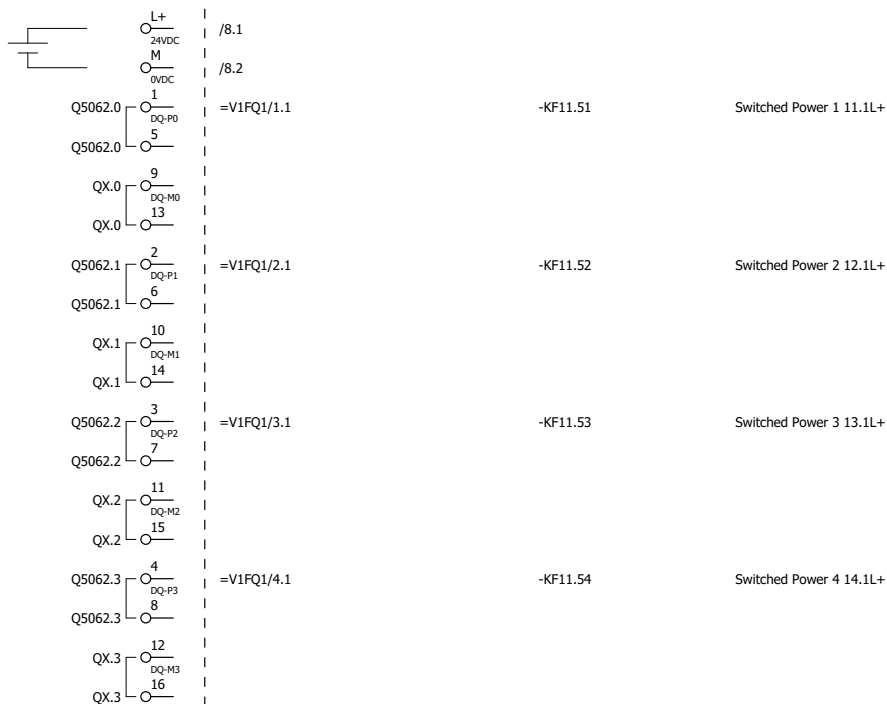
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		Appr					P6700 Rear Wall Hdr & Door Ring RH Cell	Document type:	EFS	Project nr:
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1			Page	401

-KF11.41
/8.0

ET 200SP
F-DQ 4X24VDC/2A PM HF

SIEMENS



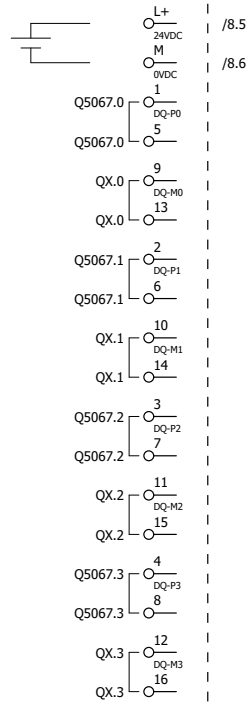
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:		Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145		16
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-KF11.42
/8.5

ET 200SP
F-DQ 4X24VDC/2A PM HF

SIEMENS



Q5067.0 Spare

Q5067.1 Spare

Q5067.2 Spare

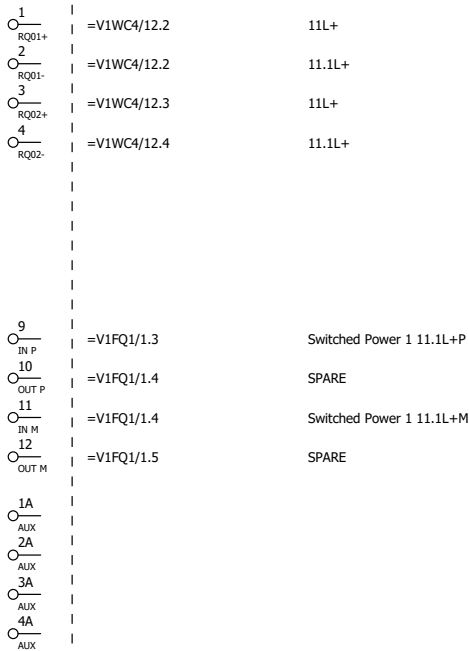
Q5067.3 Spare

6ES7136-6DB00-0CA0 + BU15-P16+A0+2B

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		Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1UC11		
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:		Page	17
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145		401	

-KF11.51
 =V1FQ1/1.2
 =V1WC4/12.1

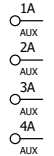
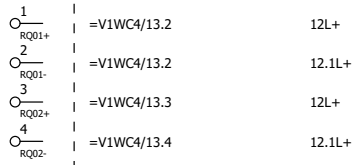
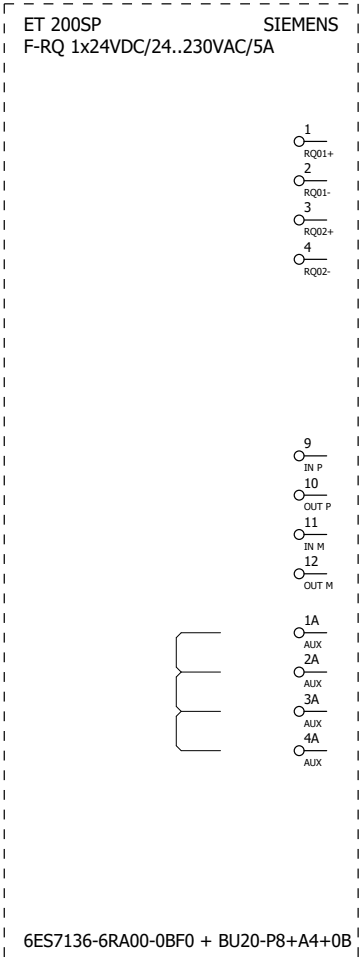
ET 200SP SIEMENS
 F-RQ 1x24VDC/24..230VAC/5A



6ES7136-6RA00-0BF0 + BU20-P8+A4+0B

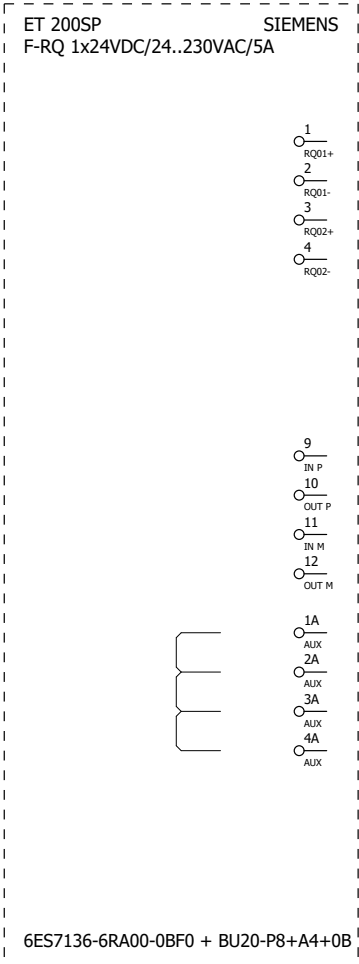
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		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC11	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page	18
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-KF11.52
 =V1FQ1/2.2
 =V1WC4/13.1



		Date	9/26/2022	Volvo Trucks North America	Valiant TMS	ET200S F-RQ Overview KF11.52	Drawing name:		= V1KF1
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145
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-KF11.53
 =V1FQ1/3.2
 =V1WC4/14.1

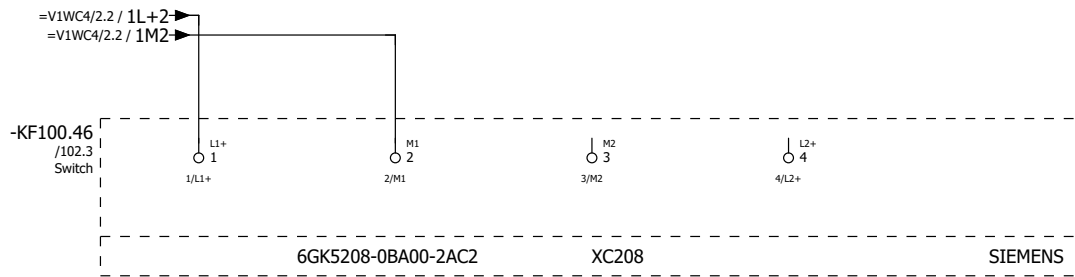


- 1 RQ01+ =V1WC4/14.2 13L+
- 2 RQ01- =V1WC4/14.2 13.1L+
- 3 RQ02+ =V1WC4/14.3 13L+
- 4 RQ02- =V1WC4/14.4 13.1L+

- 9 IN P =V1FQ1/3.3 Switched Power 3 13.1L+P
- 10 OUT P =V1FQ1/3.4 SPARE
- 11 IN M =V1FQ1/3.4 Switched Power 3 13.1L+M
- 12 OUT M =V1FQ1/3.5 SPARE

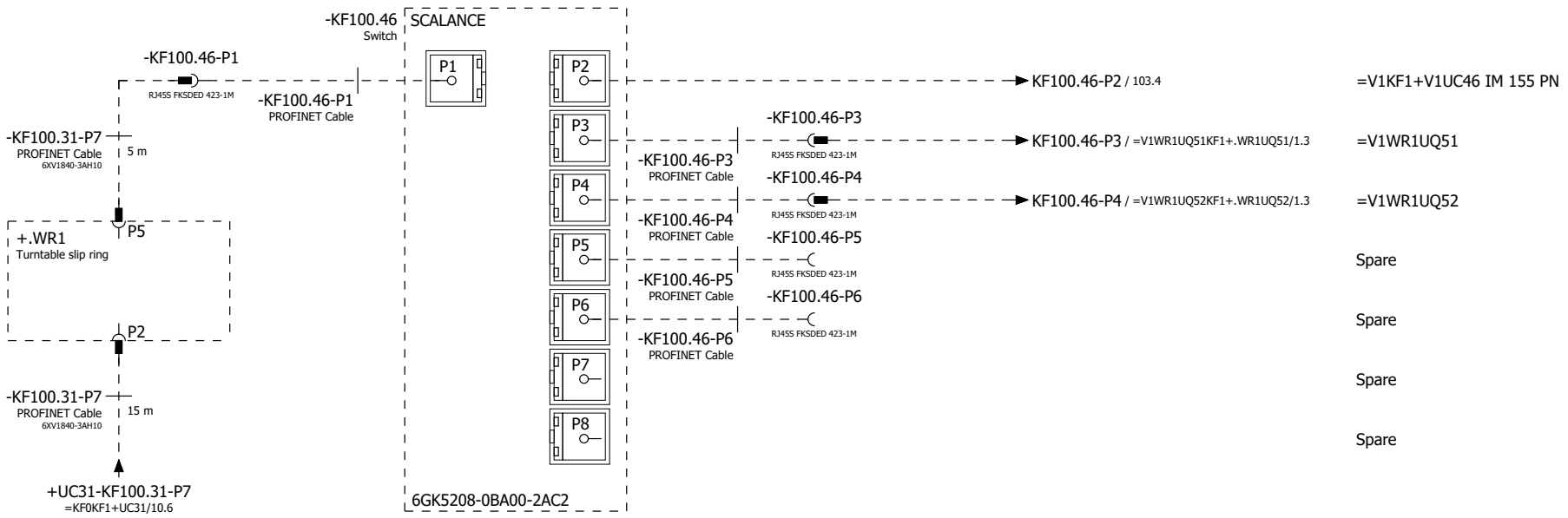
- 1A AUX
- 2A AUX
- 3A AUX
- 4A AUX

		Date	9/26/2022	Volvo Trucks North America	Valiant TMS	ET200S F-RQ Overview KF11.53	Drawing name:		= V1KF1
		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC11
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145
									401

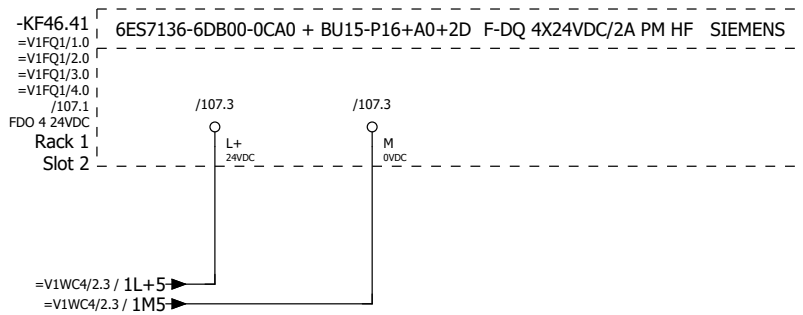


+ .UC11/21

		Date	10/21/2022	Volvo Trucks North America		Valiant TMS	Switch, Scalance XC208	Drawing name:		= V1KF1	
		Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1UC46	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:		Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145		101
											401

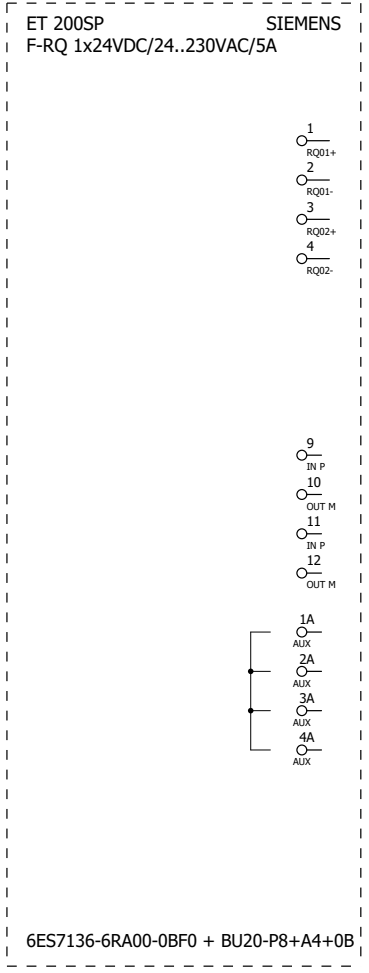


		Date	10/21/2022	Volvo Trucks North America		Valiant TMS		Network Overview		Drawing name: = 2V12&EFS-EL		= V1KF1 + V1UC46	
		Ed.	MKLEPADLO							Document type: EFS		Project nr: 22-16145	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1				Page		102	
												401	



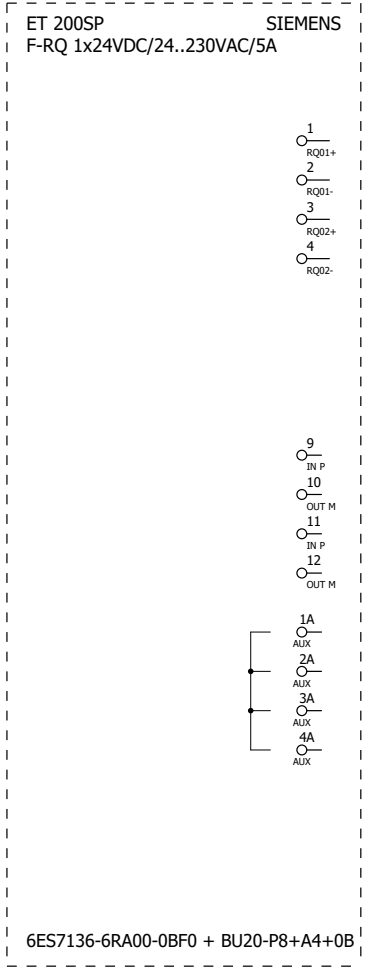
				Date	10/21/2022	Volvo Trucks North America	Valiant TMS	ET200S Wiring F-DQ	Drawing name:		= V1KF1
				Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC46
				Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by			EFS	22-16145	105
											401

-KF46.52
 =V1FQ1/2.2
 =V1WC4/4.1



		Date	9/26/2022	Volvo Trucks North America	Valiant TMS	ET200S F-RQ Overview KF46.52	Drawing name:		= V1KF1
		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC46
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145
									401

-KF46.53
 =V1FQ1/3.2
 =V1WC4/5.1

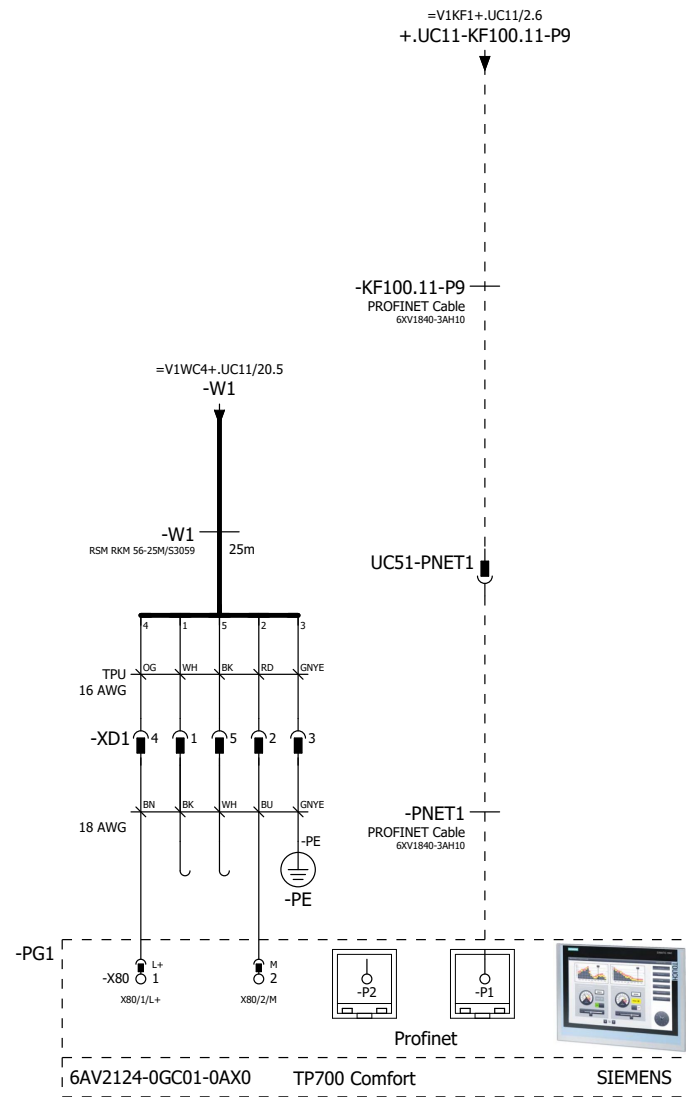


		Date	9/26/2022	Volvo Trucks North America	Valiant TMS	ET200S F-RQ Overview KF46.53	Drawing name:		= V1KF1
		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC46
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page 110
Modification	Date	Name	Original	Replacement of			Replaced by	EFS	22-16145

Pin #	WIRE	COLOR
Pin 1	M	BK
Pin 2	SPARE	BU
Pin 3	PE	GNYE
Pin 4	SPARE	BN
Pin 5	L+	WH

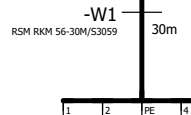
POWER IN / POWER OUT

Pin 1: 0 V UA
 Pin 2: 0 V US
 Pin 3: FE
 Pin 4: +24 V US / 9 A
 Pin 5: +24 V UA / 9 A

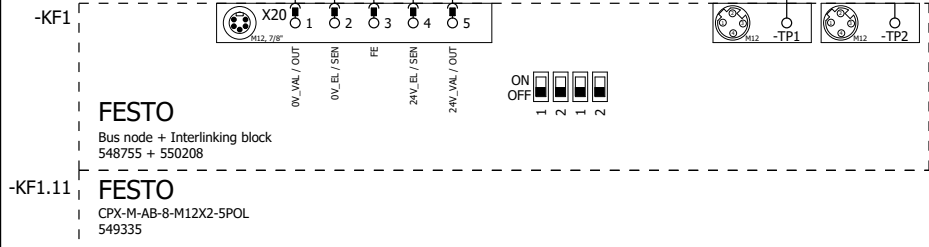


Date	11/14/2022	Volvo Trucks North America	Valiant TMS	TP700: S010 Display	Drawing name:	= V1SF0PG1
Ed.	KMAFFRE				= 2V12&EFS-EL	+ V1UC51
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Original		Replacement of	Replaced by	Scale 1:1	EFS	22-16145
Modification	Date	Name	Original			Page 1
						401

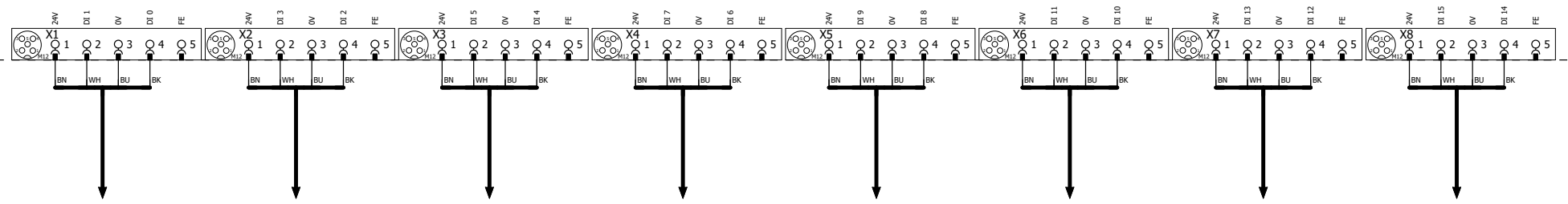
=V1WC4+.UC11/24.5 / W1
 =V1KF1+.UC11/2.6 / +.UC11-KF100.11-P13



-KF100.11-P13
 PROFINET Cable
 6XV1840-3AH10



I2050.0	DI ₁ x1:4	V1UQ51UQ1.1-BGR	Shot Pins 1 (RESET)
I2050.1	DI ₁ x1:2	V1UQ51UQ1.1-BGS	Shot Pins 1 (SET)
I2050.2	DI ₂ x2:4	V1UQ51UQ2.1-BGR	Clamps 2 (RESET)
I2050.3	DI ₃ x2:2	V1UQ51UQ2.1-BGS	Clamps 2 (SET)
I2050.4	DI ₄ x3:4	V1UQ51UQ2.2-BGR	Clamps 2 (RESET)
I2050.5	DI ₅ x3:2	V1UQ51UQ2.2-BGS	Clamps 2 (SET)
I2050.6	DI ₆ x4:4	V1UQ51UQ2.3-BGR	Clamps 2 (RESET)
I2050.7	DI ₇ x4:2	V1UQ51UQ2.3-BGS	Clamps 2 (SET)
I2051.0	DI ₈ x5:4	V1UQ51UQ2.4-BGR	Clamps 2 (RESET)
I2051.1	DI ₉ x5:2	V1UQ51UQ2.4-BGS	Clamps 2 (SET)
I2051.2	DI ₁₀ x6:4	V1UQ51UQ2.5-BGR	Clamps 2 (RESET)
I2051.3	DI ₁₁ x6:2	V1UQ51UQ2.5-BGS	Clamps 2 (SET)
I2051.4	DI ₁₂ x7:4	V1UQ51UQ3.1-BGR	Clamps 3 (RESET)
I2051.5	DI ₁₃ x7:2	V1UQ51UQ3.1-BGS	Clamps 3 (SET)
I2051.6	DI ₁₄ x8:4	V1UQ51UQ3.2-BGR	Clamps 3 (RESET)
I2051.7	DI ₁₅ x8:2	V1UQ51UQ3.2-BGS	Clamps 3 (SET)



- + UQ51UQ1.1-W1
=V1UQ51UQ1+.UQ51UQ1/I.1
- + UQ51UQ2.1-W1
=V1UQ51UQ2+.UQ51UQ2/I.1
- + UQ51UQ2.2-W1
=V1UQ51UQ2+.UQ51UQ2/I.2
- + UQ51UQ2.3-W1
=V1UQ51UQ2+.UQ51UQ2/I.4
- + UQ51UQ2.4-W1
=V1UQ51UQ2+.UQ51UQ2/I.5
- + UQ51UQ2.5-W1
=V1UQ51UQ2+.UQ51UQ2/I.7
- + UQ51UQ3.1-W1
=V1UQ51UQ3+.UQ51UQ3/I.1
- + UQ51UQ3.2-W1
=V1UQ51UQ3+.UQ51UQ3/I.2

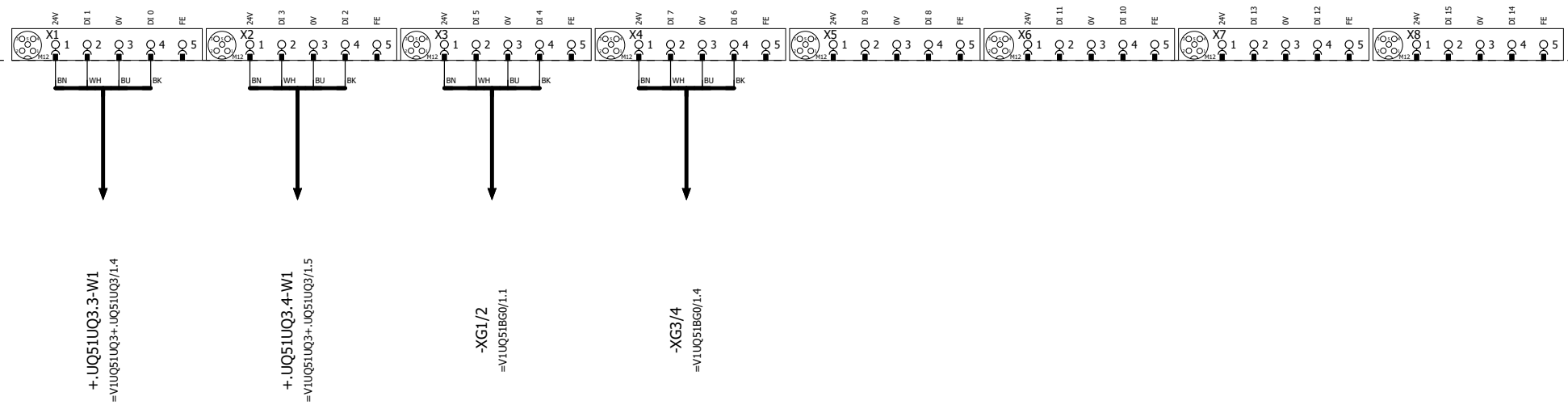
=V1UQ51BG0/1

Date		10/21/2022		Volvo Trucks North America		Valiant TMS		CONNECTING MOD. FOR VTSA MANIFOLD		Drawing name: =2V12&EFS-EL		= V1UQ51KF1 + V1UQ51	
Ed.		MKLEPADLO		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1				Document type: EFS		Project nr: 22-16145	
Appr				Replacement of		Replaced by				Page		1	
Modification		Date		Name		Original				Page		401	

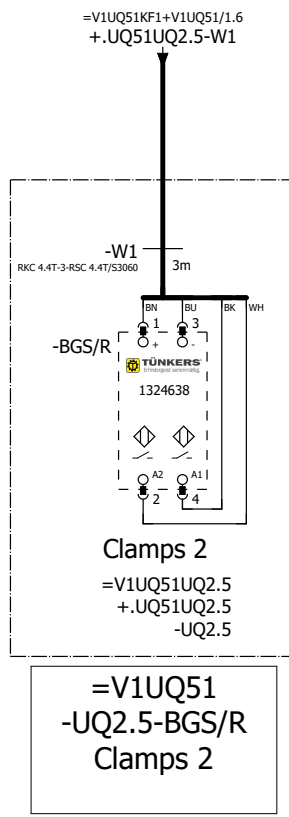
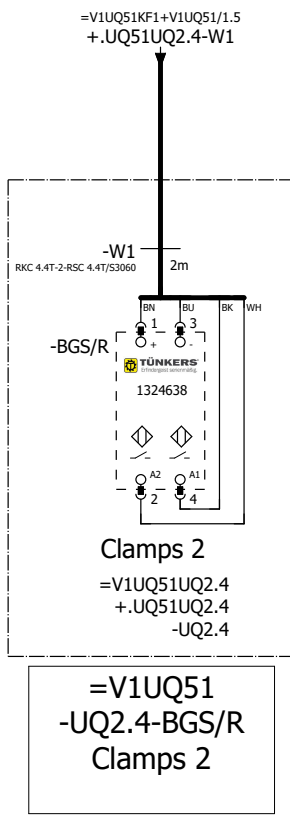
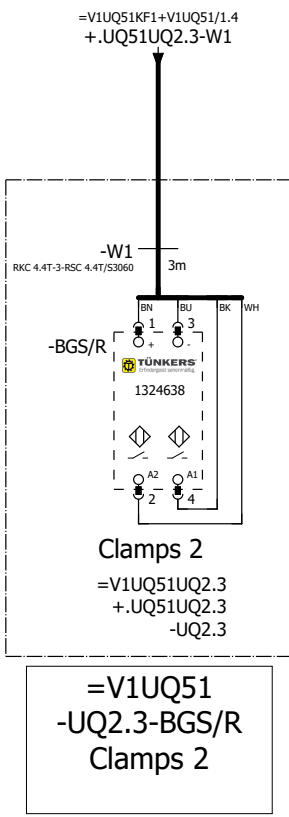
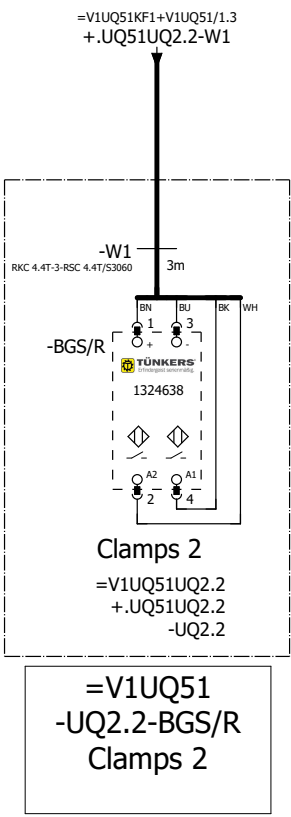
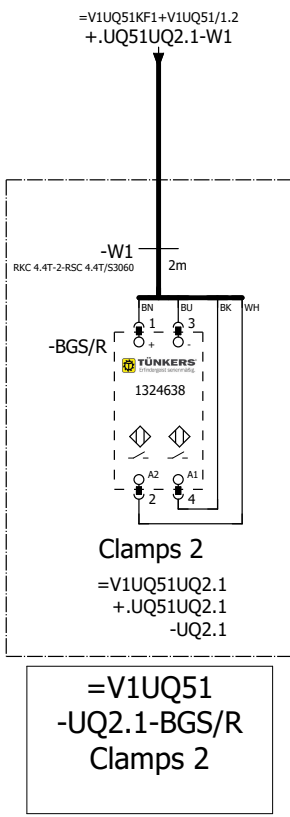
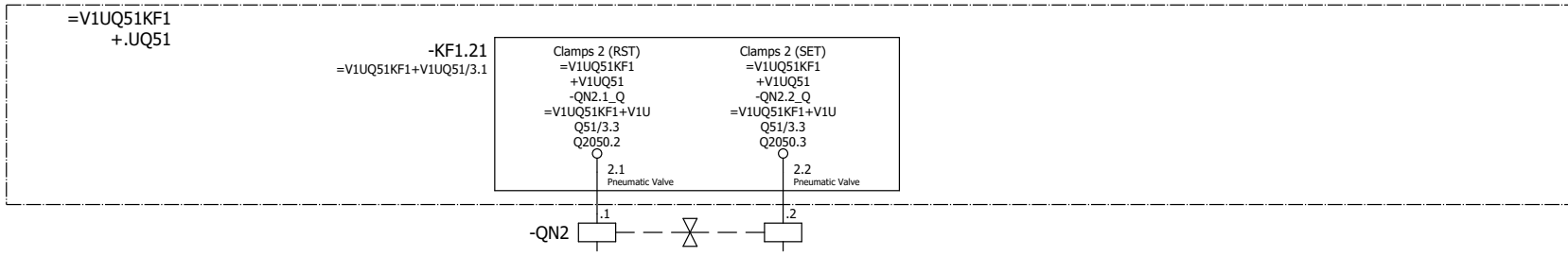


I2052.0	DI ₁ ^{x1:4}	V1UQ51UQ3.3-BGR	Clamps 3 (RESET)
I2052.1	DI ₁ ^{x1:2}	V1UQ51UQ3.3-BGS	Clamps 3 (SET)
I2052.2	DI ₂ ^{x2:4}	V1UQ51UQ3.4-BGR	Clamps 3 (RESET)
I2052.3	DI ₃ ^{x2:2}	V1UQ51UQ3.4-BGS	Clamps 3 (SET)
I2052.4	DI ₄ ^{x3:4}	V1UQ51-BG01	From STA-10 Stage-2 6985 Assy
I2052.5	DI ₅ ^{x3:2}	V1UQ51-BG02	From STA-10 Stage-1 6398 Assy
I2052.6	DI ₆ ^{x4:4}	V1UQ51-BG03	From STA-10 Stage-1 6398 Assy
I2052.7	DI ₇ ^{x4:2}	V1UQ51-BG04	From STA-10 Stage-2 6985 Assy
I2053.0	DI ₈ ^{x5:4}	I2003.0	Spare
I2053.1	DI ₉ ^{x5:2}	I2003.1	Spare
I2053.2	DI ₁₀ ^{x6:4}	I2003.2	Spare
I2053.3	DI ₁₁ ^{x6:2}	I2003.3	Spare
I2053.4	DI ₁₂ ^{x7:4}	I2003.4	Spare
I2053.5	DI ₁₃ ^{x7:2}	I2003.5	Spare
I2053.6	DI ₁₄ ^{x8:4}	I2003.6	Spare
I2053.7	DI ₁₅ ^{x8:2}	I2003.7	Spare

-KF1.12
FESTO
 CPX-M-AB-8-M12X2-5POL
 549335



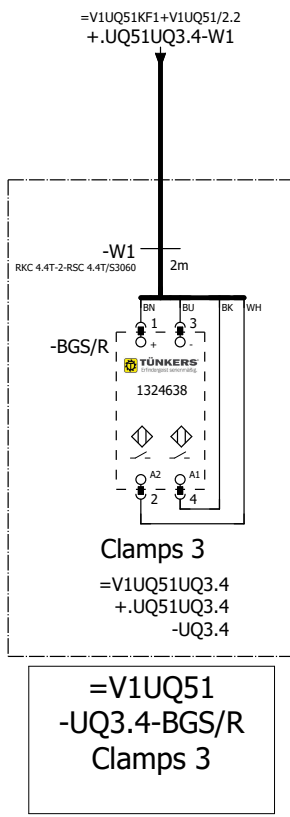
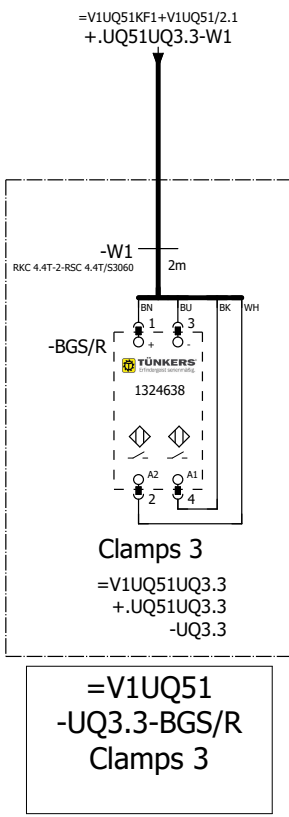
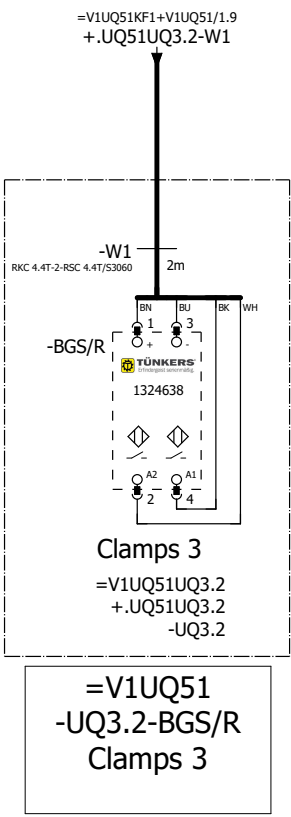
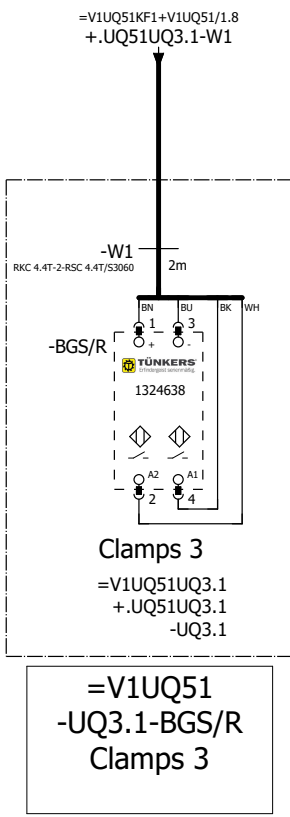
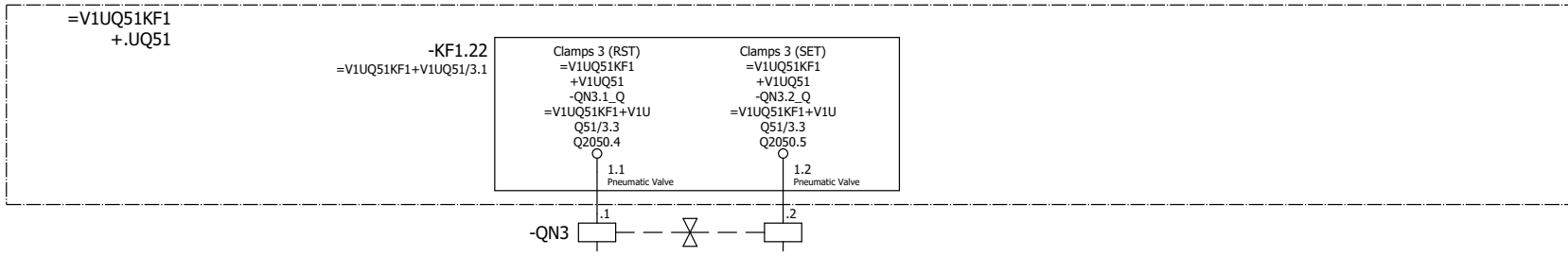
			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	I/O MOD. DI16 (8 x M12) FOR VTSA-F	Drawing name:		= V1UQ51KF1
			Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1UQ51
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by			EFS	22-16145	2
										401	



=V1UQ51UQ1+.UQ51UQ1/1

=V1UQ51UQ3+.UQ51UQ3/1

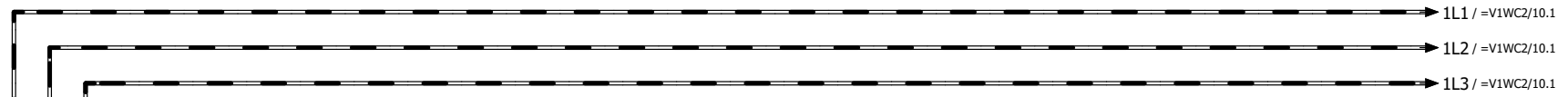
Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN2	Drawing name:	=V1UQ51UQ2
Ed.	MKLEPADLO				=2V12&EFS-EL	+ V1UQ51UQ2
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Original		Replacement of	Replaced by	Scale 1:1	EFS	22-16145
Modification	Date	Name	Original			Page 1
						401



=V1UQ51UQ2+.UQ51UQ2/1

=V1WC1+.UC11/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN2	Drawing name: =2V12&EFS-EL	= V1UQ51UQ3 + V1UQ51UQ3
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Project nr: 22-16145	Document type: EFS	Page 1
Appr						
Modification	Date	Name	Original			

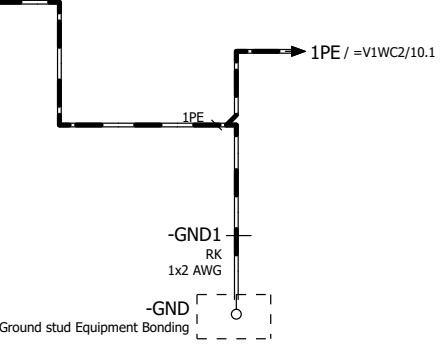


1L1 BK 500 MCM
 1L2 BK 500 MCM
 1L3 BK 500 MCM

1L1 1L2 1L3 1PE

480VAC TN-S 3 PHASE 60Hz
 Fed from:
 short circuit protection:
 Over current:
 cable type: 500 MCM

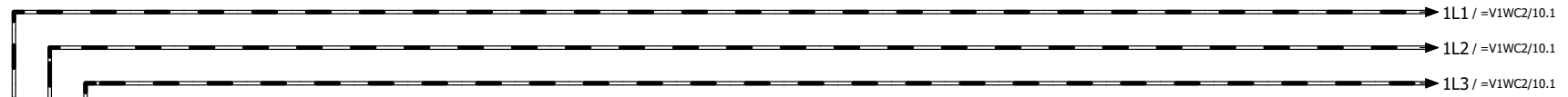
IkMax =kA
 IkMin =kA
 Z: mΩ.



+.UC11/1

+.UC162/1

			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Incoming weld power supply 480 VAC	Drawing name:		= V1WC1
			Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC161
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by			EFS	22-16145	401

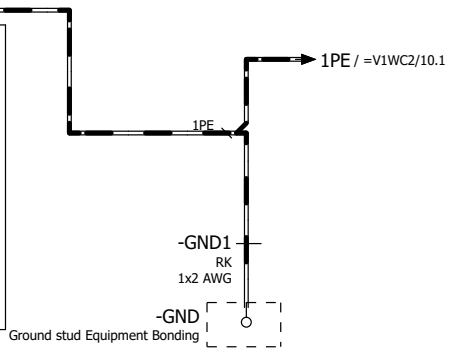


1L1 BK 500 MCM
 1L2 BK 500 MCM
 1L3 BK 500 MCM

1L1 1L2 1L3 1PE

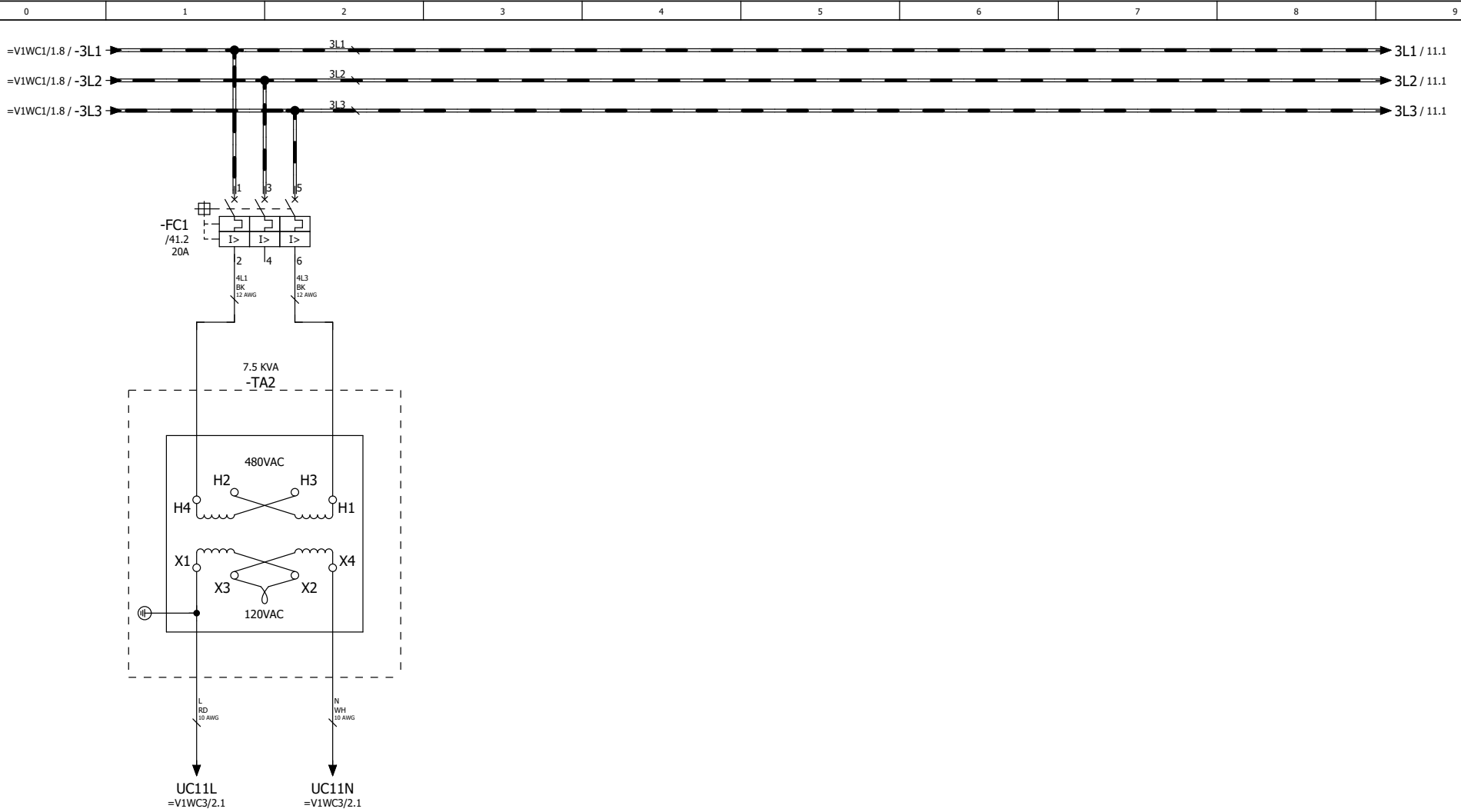
480VAC TN-S 3 PHASE 60Hz
 Fed from:
 short circuit protection:
 Over current:
 cable type: 500 MCM

IkMax =kA
 IkMin =kA
 Z: mΩ.



=V1WC2+.UC11/10

+.UC161/1			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Incoming weld power supply 480 VAC	Drawing name:	= V1WC1
			Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1UC162
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1		EFS	22-16145
									Page 1
									401

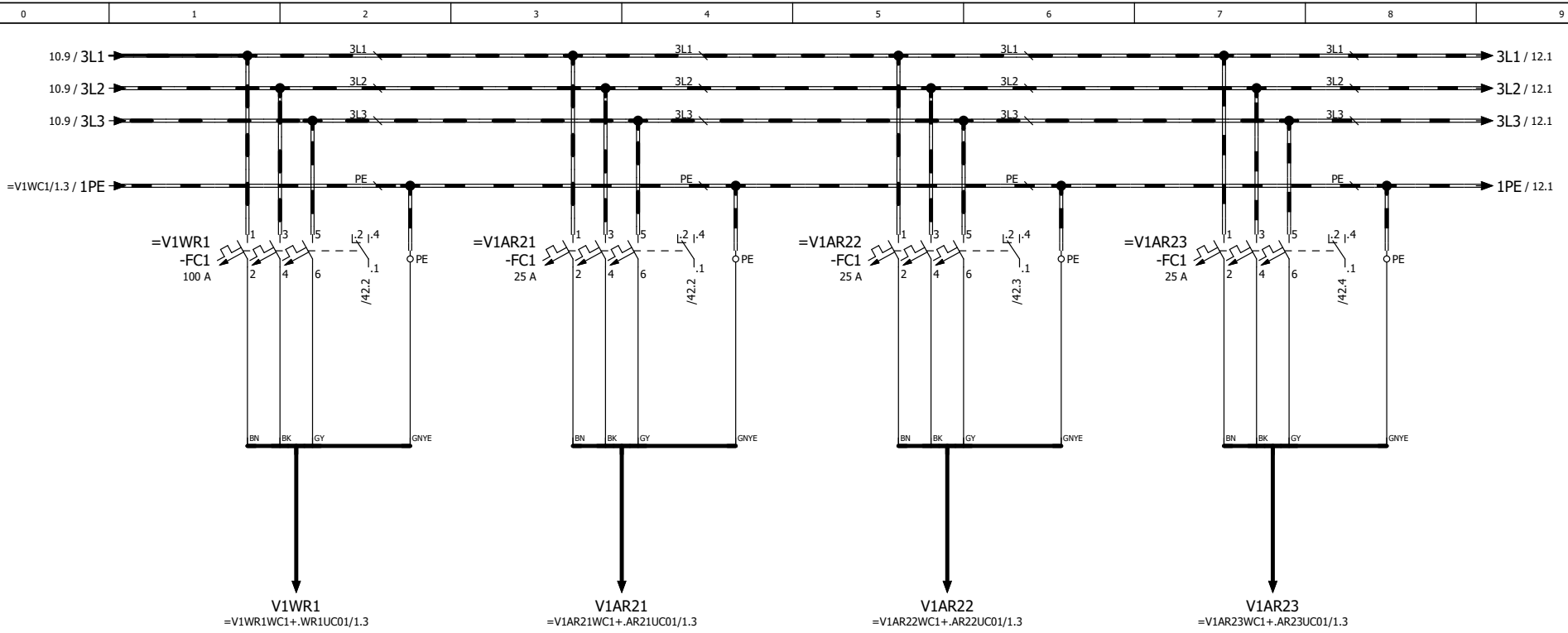


Power
Distribution
=V1UC11

=V1WC1+.UC162/1

11

		Date	10/21/2022	Volvo Trucks North America		Valiant TMS		Power distribution 480 VAC		Drawing name: = 2V12&EFS-EL		= V1WC2 + V1UC11	
		Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1				Document type: EFS		Project nr: 22-16145	
Modification	Date	Name	Original	Replacement of	Replaced by					Page		10	
											401		



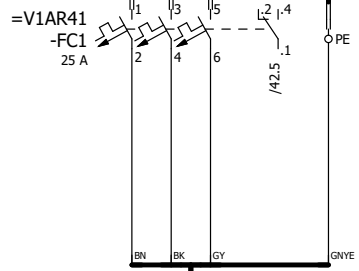
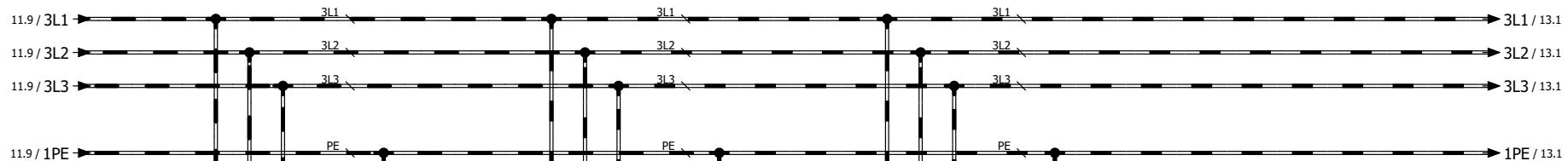
Power
Distribution
=V1WR1

Power
Distribution
=V1AR21

Power
Distribution
=V1AR22

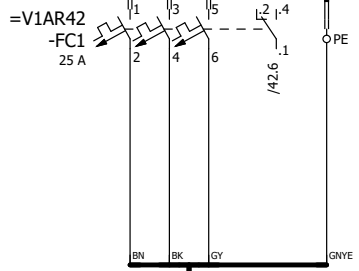
Power
Distribution
=V1AR23

		Date	10/21/2022	Volvo Trucks North America		Valiant TMS		Power distribution 480 VAC		Drawing name: = 2V12&EFS-EL		= V1WC2 + V1UC11	
		Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1				Document type: EFS		Project nr: 22-16145	
Modification	Date	Name	Original	Replacement of	Replaced by							Page	11
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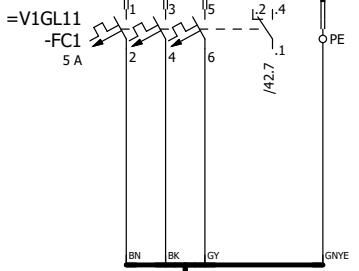
V1AR41
=V1AR41WC1+.AR41UC01/1.3

Power
Distribution
=V1AR41



V1AR42
=V1AR42WC1+.AR42UC01/1.3

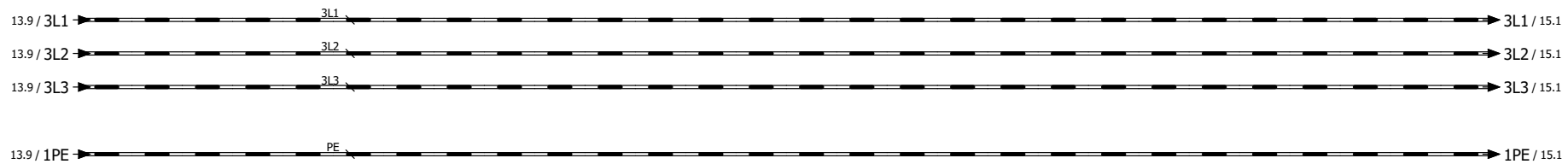
Power
Distribution
=V1AR42




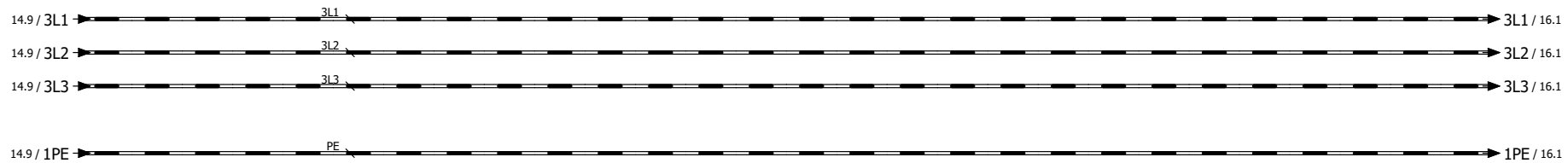
V1GL11
=V1GL11WC1+.GL11UC01/1.3


Power
Distribution
=V1GL11

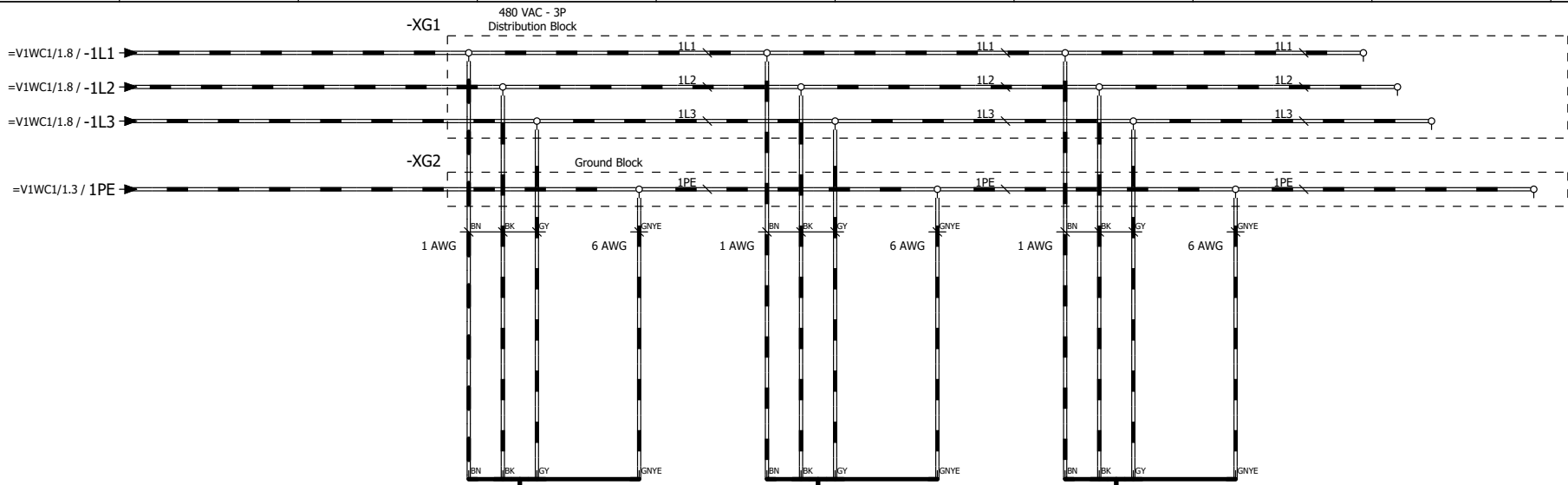
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		Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1UC11
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145	12
									401	



			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	Power distribution 480 VAC	Drawing name:		= V1WC2	
			Ed.	MKLEPADLO						+ V1UC11		
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				Document type:	Project nr:	Page	14
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		EFS	22-16145		401



			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	Power distribution 480 VAC	Drawing name:	= V1WC2		
			Ed.	MKLEPADLO						+ V1UC11		
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				Document type:	Project nr:	Page	15
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		EFS	22-16145		401



-V1AR23XQ11
=V1AR23XQ11WC1+.AR23XQ11UC01/1.3

-V1AR41XQ11
=V1AR41XQ11WC1+.AR41XQ11UC01/1.3

-V1AR42XQ11
=V1AR42XQ11WC1+.AR42XQ11UC01/1.3

Weld Power
Distribution
480 VAC
S020R01-AR23 (Weld Timer)

Weld Power
Distribution
480 VAC
S010R03-AR41 (Weld Timer)

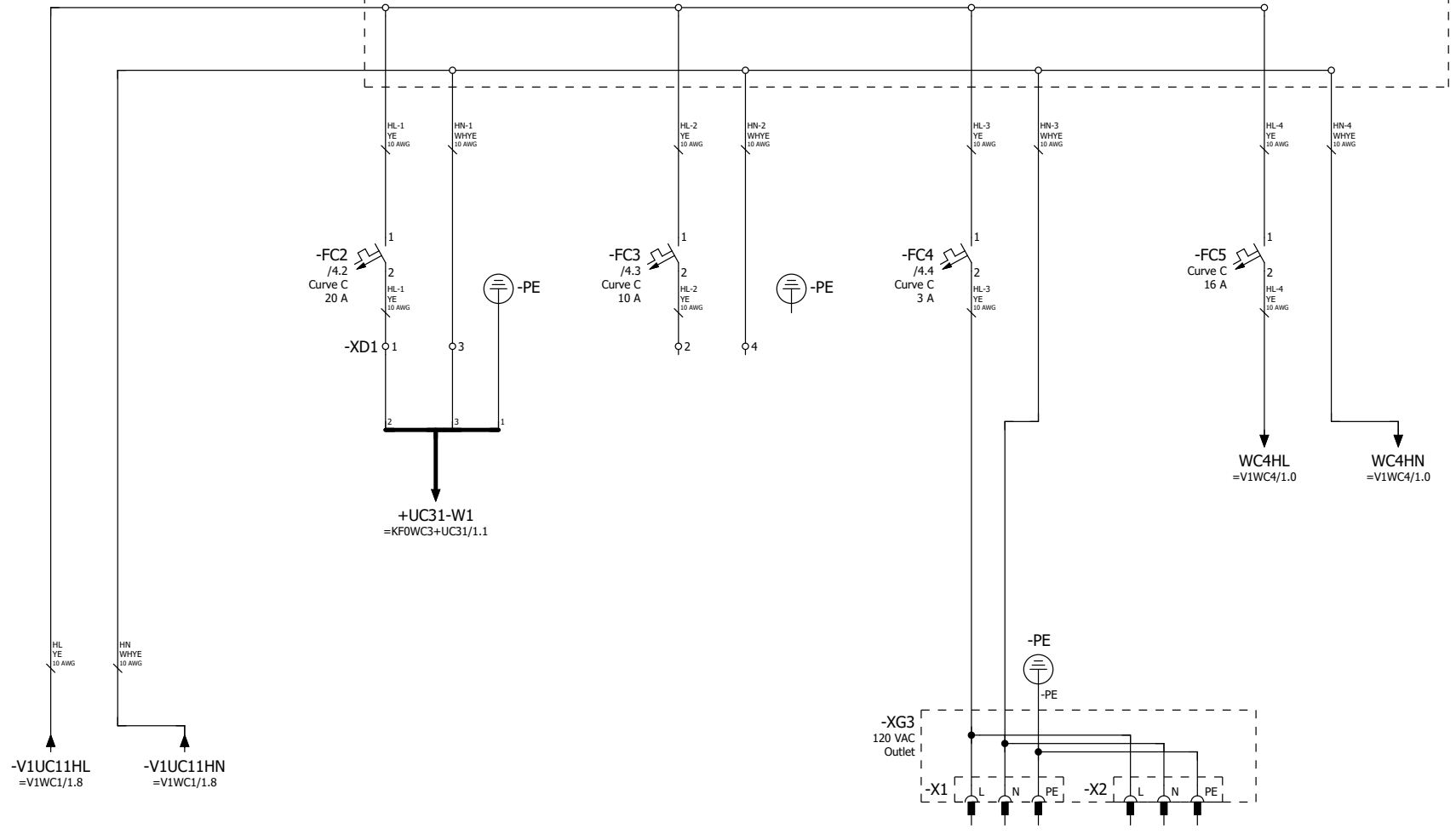
Weld Power
Distribution
480 VAC
S020R02-AR42 (Weld Timer)

Weld Power
Distribution
480 VAC
Spare (Weld Timer)

=V1WC3+.UC11/1

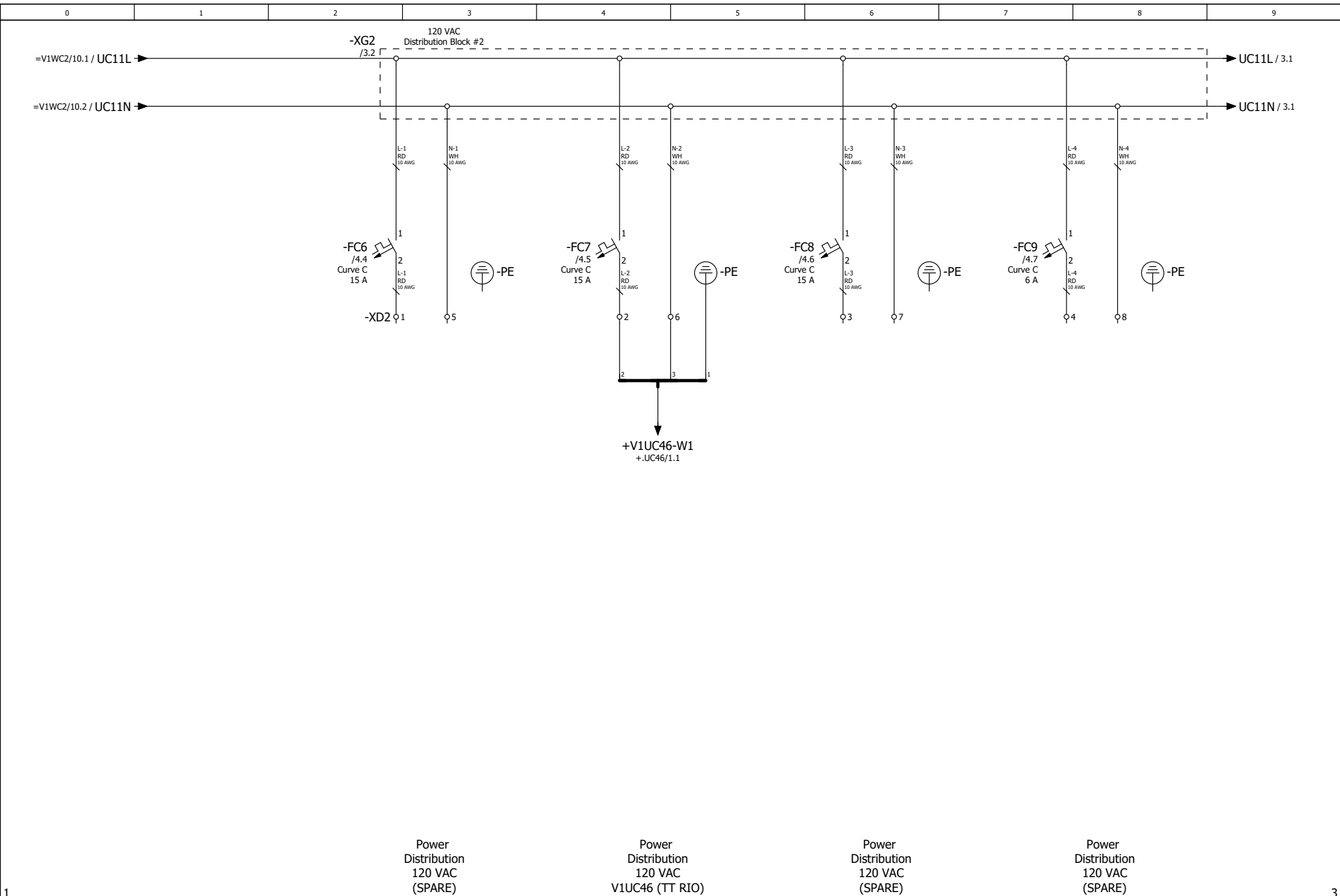
+.UC161/10			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Weld power distribution 480 VAC	Drawing name:	= V1WC2	
			Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1UC162	
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	
Modification	Date	Name	Original		Replacement of	Replaced by		EFS	22-16145	
									Page	10
										401

-XG1
120 VAC
Distribution Block #1

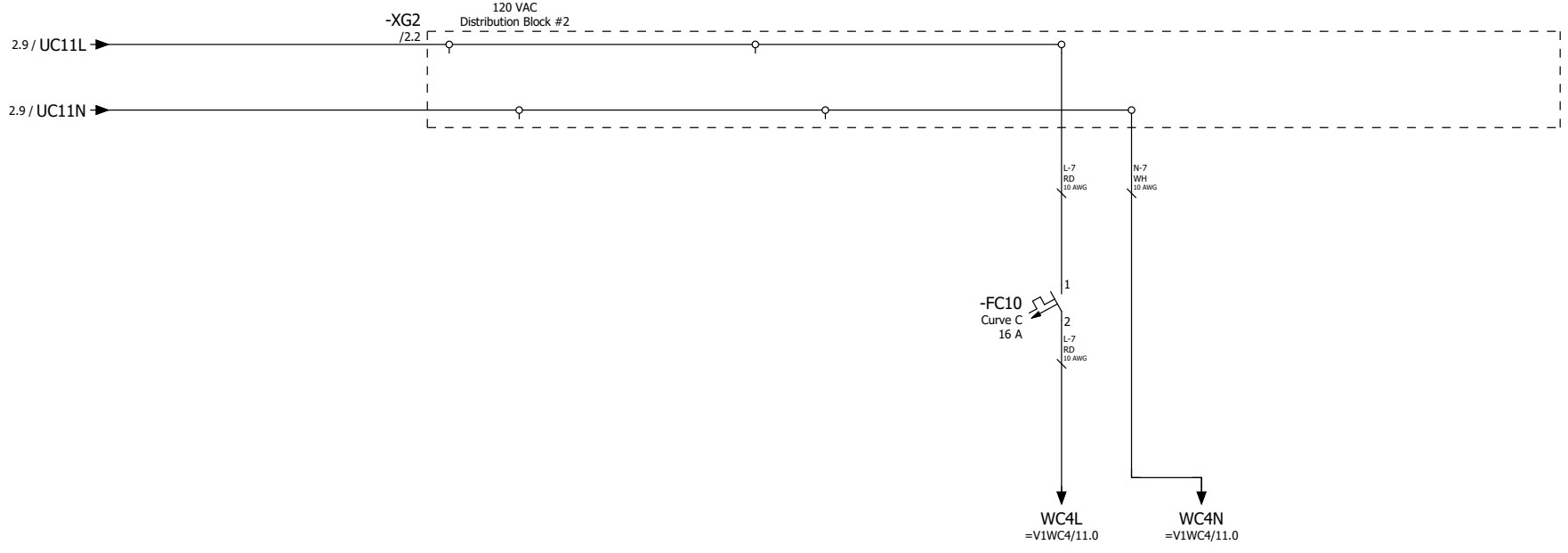


	Power Distribution 120 VAC UC31 (MOP)	Power Distribution 120 VAC (SPARE)	Power Distribution 120 VAC Programming Port	Power Distribution 120 VAC To Above Disconnct 24VDC Power Supply
--	---	--	---	--

			Date 10/21/2022	Volvo Trucks North America		Valiant TMS	Power Distribution 120 VAC (Above Disconnect)	Drawing name: = 2V12&EFS-EL	= V1WC3 + V1UC11
			Ed. MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type: EFS	Project nr: 22-16145
Modification	Date	Name	Original	Replacement of	Replaced by				Page 1
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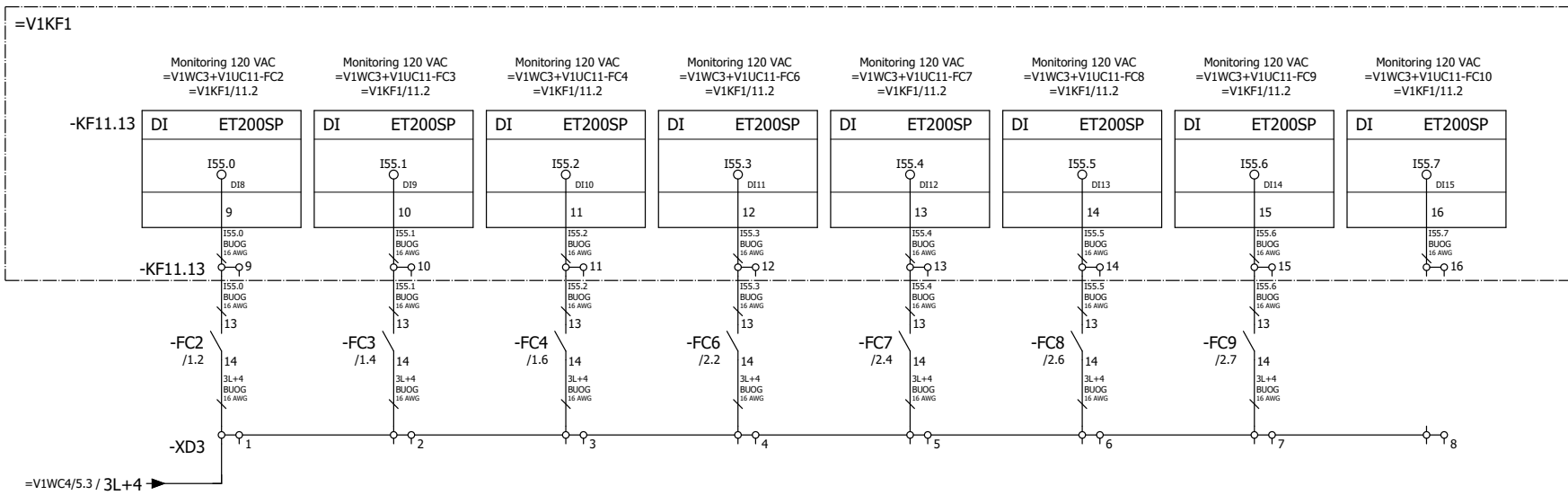


		Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Power Distribution 120 VAC (Below Disconnect)	Drawing name:	= V1WC3	
		Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1UC11	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	EFS	22-16145	
								Page	2
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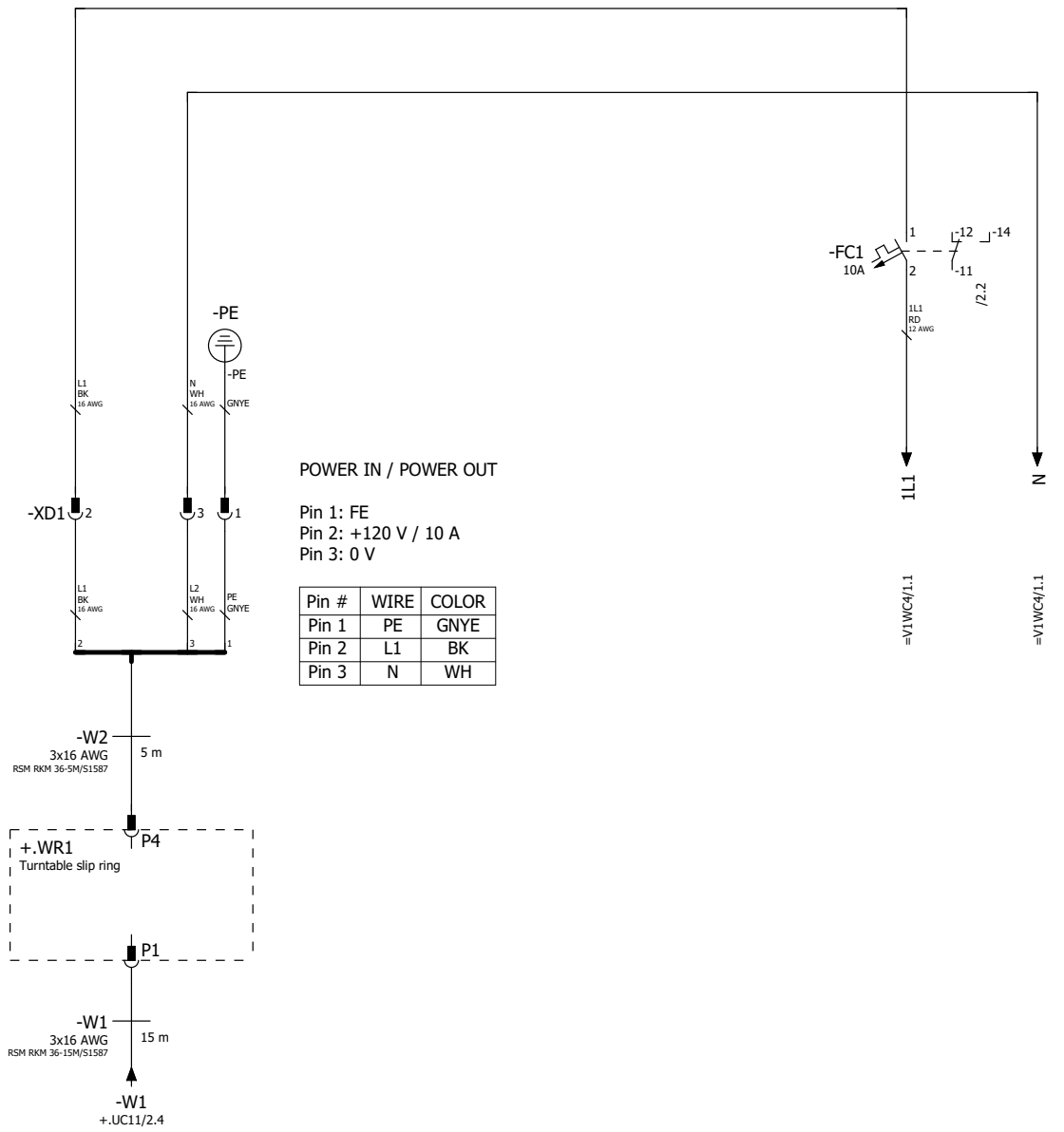


Power
Distribution
120 VAC
To Below Disconnct 24VDC Power Supply

			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Power Distribution 120 VAC (Below Disconnect)	Drawing name: = 2V12&EFS-EL	= V1WC3 + V1UC11		
			Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page	3
Modification	Date	Name	Original					Replacement of	Replaced by	EFS	22-16145



		Date	10/21/2022	Volvo Trucks North America		Valiant TMS	Power distribution 120 VAC monitoring (Above Disconnect)	Drawing name:		= V1WC3
		Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1UC11
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS	22-16145		4
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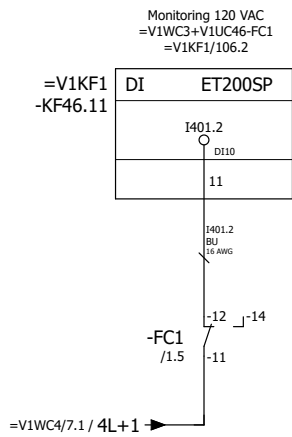


Power
Distribution
24 VDC
Power Supply

+.UC11/4

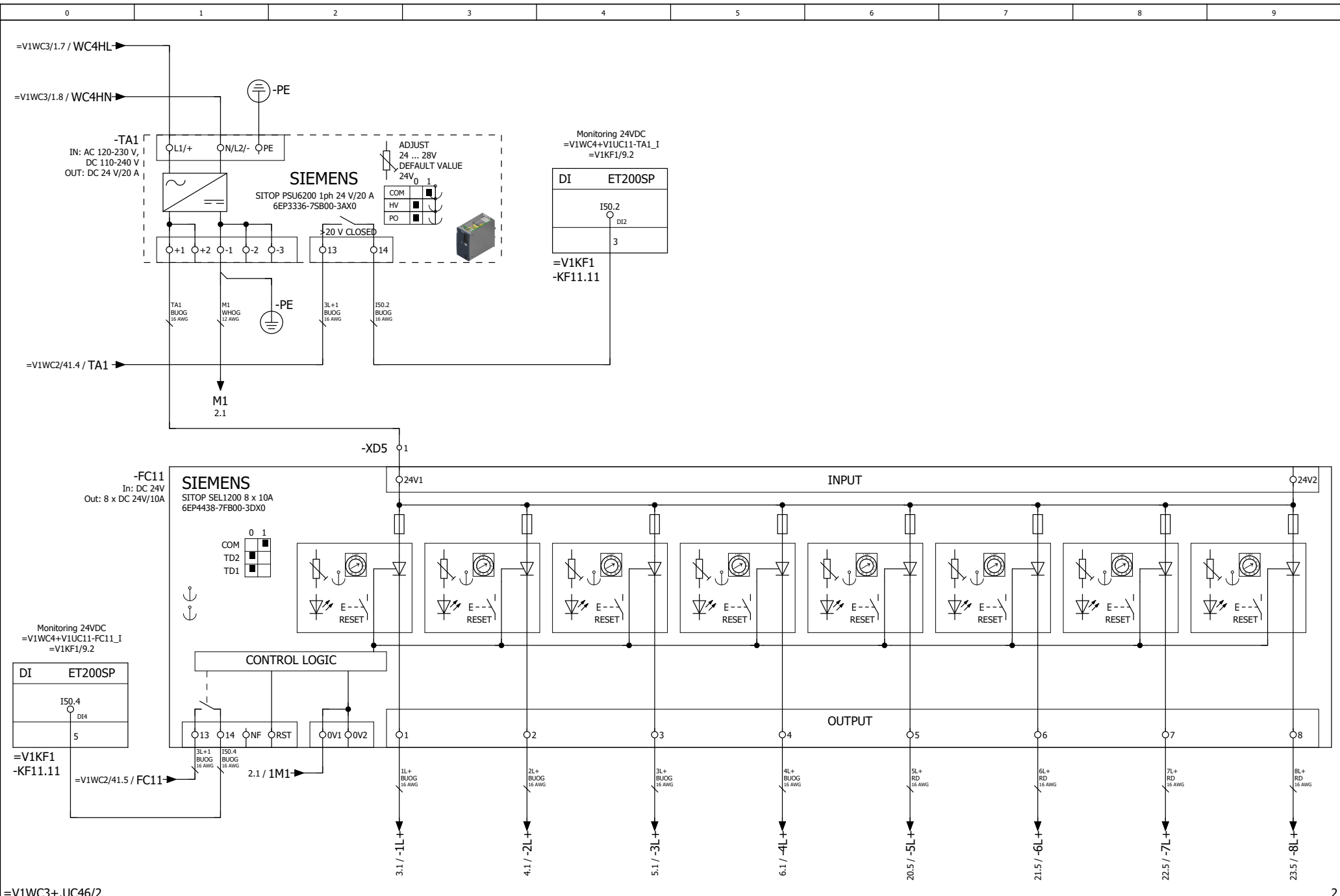
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Date		10/21/2022		Volvo Trucks North America		Valiant TMS		Power distribution 120 VAC		Drawing name:		= V1WC3	
Ed.		MKLEPADLO								= 2V12&EFS-EL		+ V1UC46	
Appr				P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Original				Replacement of		Replaced by		Scale 1:1		EFS		22-16145	
Modification	Date	Name	Original							Page		1	
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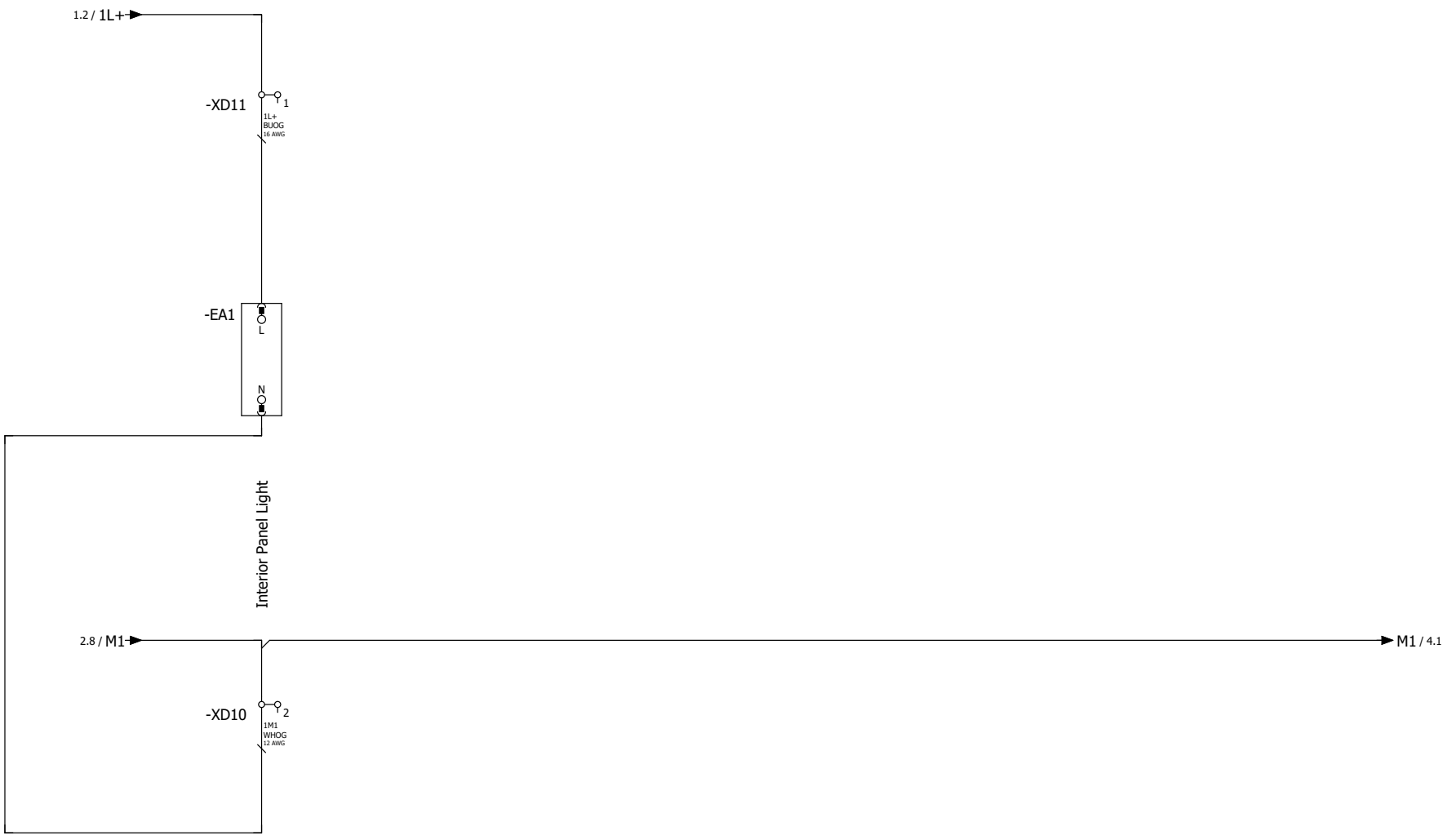


=V1WC4+.UC11/1

				Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Monitoring 120VAC	Drawing name:	= V1WC3
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				Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Modification	Date	Name	Original	Replacement of	Replaced by		Scale 1:1		EFS	22-16145
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=V1WC3/1.7 / WC4HL		=V1WC3/1.8 / WC4HN		=V1WC2/41.4 / TA1		=V1WC2/41.5 / FC11		=V1WC3+.UC46/2	
Date		10/21/2022		Volvo Trucks North America		Valiant TMS		Power distribution 24VDC (Above Disconnect)	
Ed.		MKLEPADLO		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Drawing name: =2V12&EFS-EL	
Appr				Replacement of		Replaced by		= V1WC4 + V1UC11	
Modification		Date		Name		Original		Document type: EFS	
								Project nr: 22-16145	
								Page 1	
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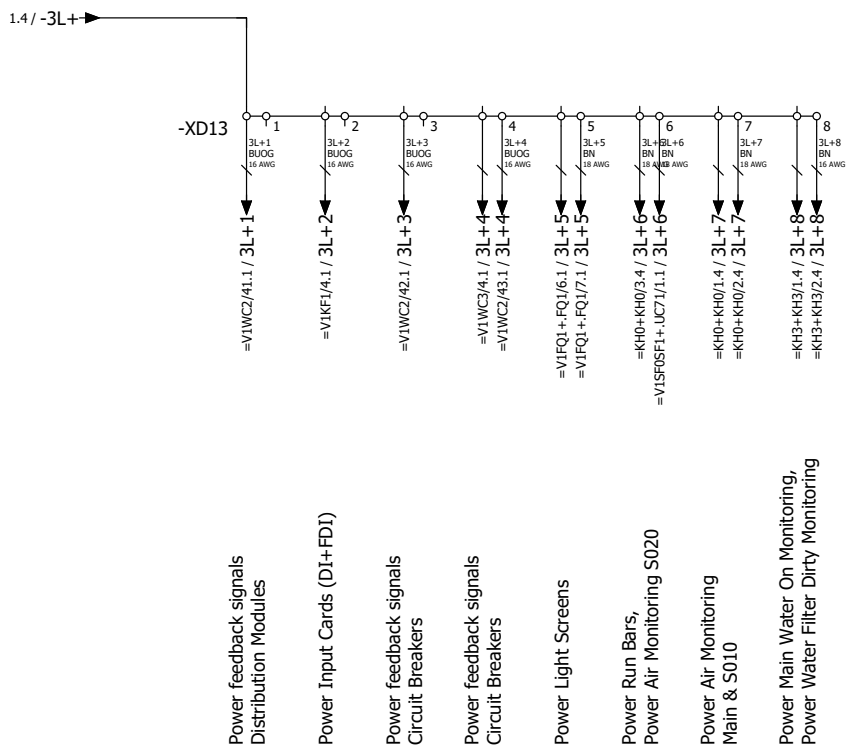
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr: 22-16145	Page	3
Modification	Date	Name	Original		Replacement of	Replaced by		EFS				



			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Power distribution 24VDC 2L+	Drawing name:		= V1WC4
			Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1UC11
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of			Replaced by	EFS	22-16145
										401



Power feedback signals
Distribution Modules

Power Input Cards (DI+FDI)

Power feedback signals
Circuit Breakers

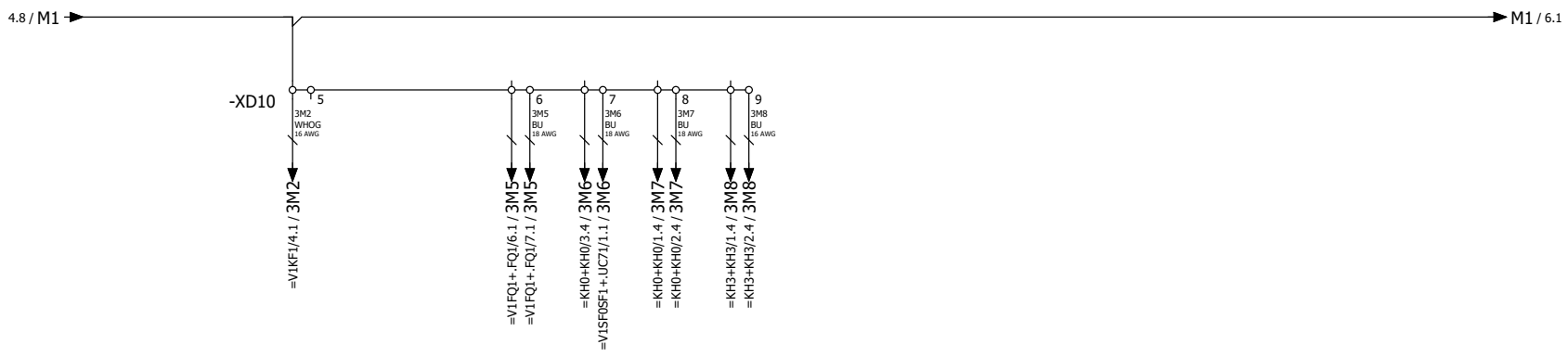
Power feedback signals
Circuit Breakers

Power Light Screens

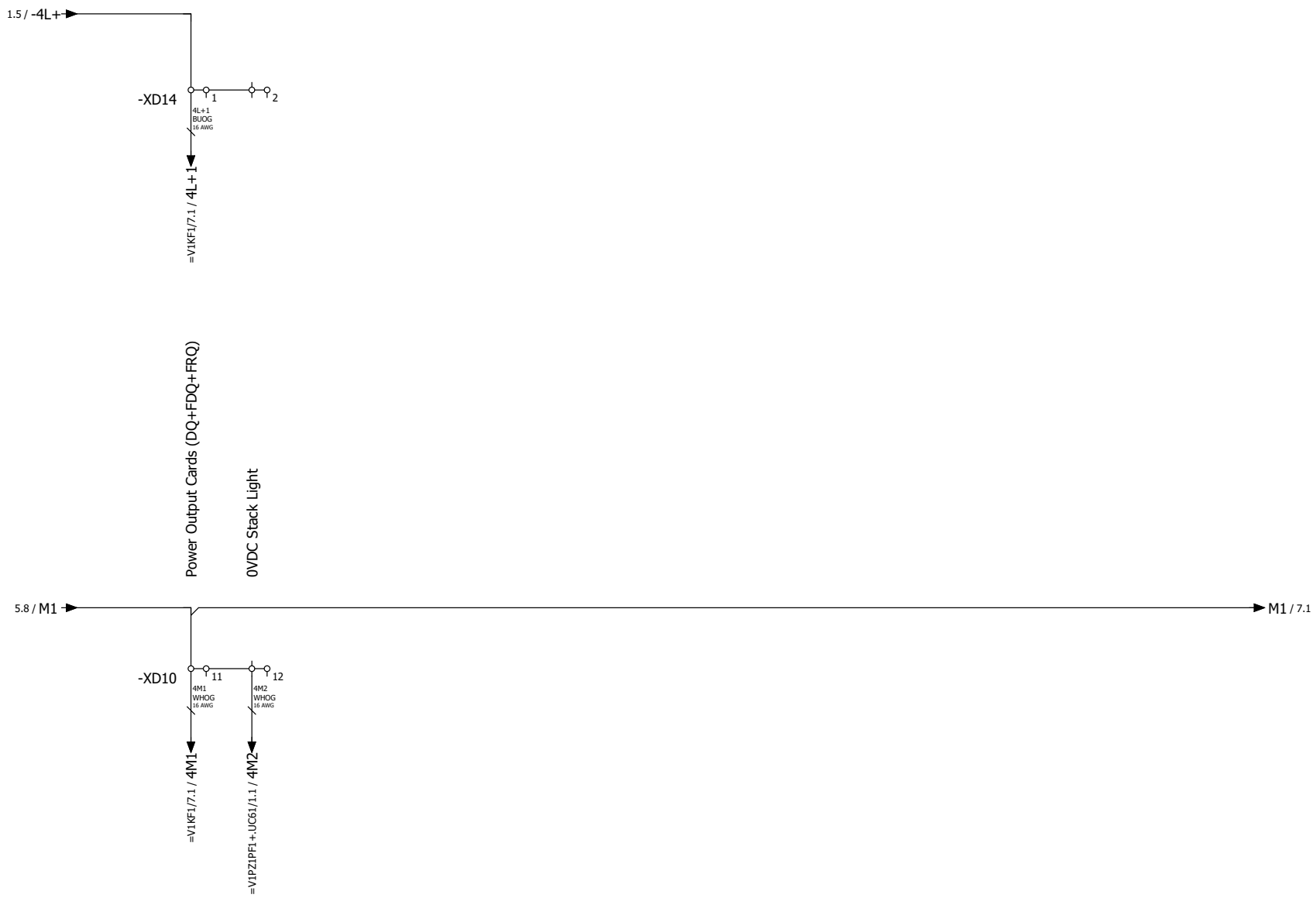
Power Run Bars,
Power Air Monitoring S020

Power Air Monitoring
Main & S010

Power Main Water On Monitoring,
Power Water Filter Dirty Monitoring




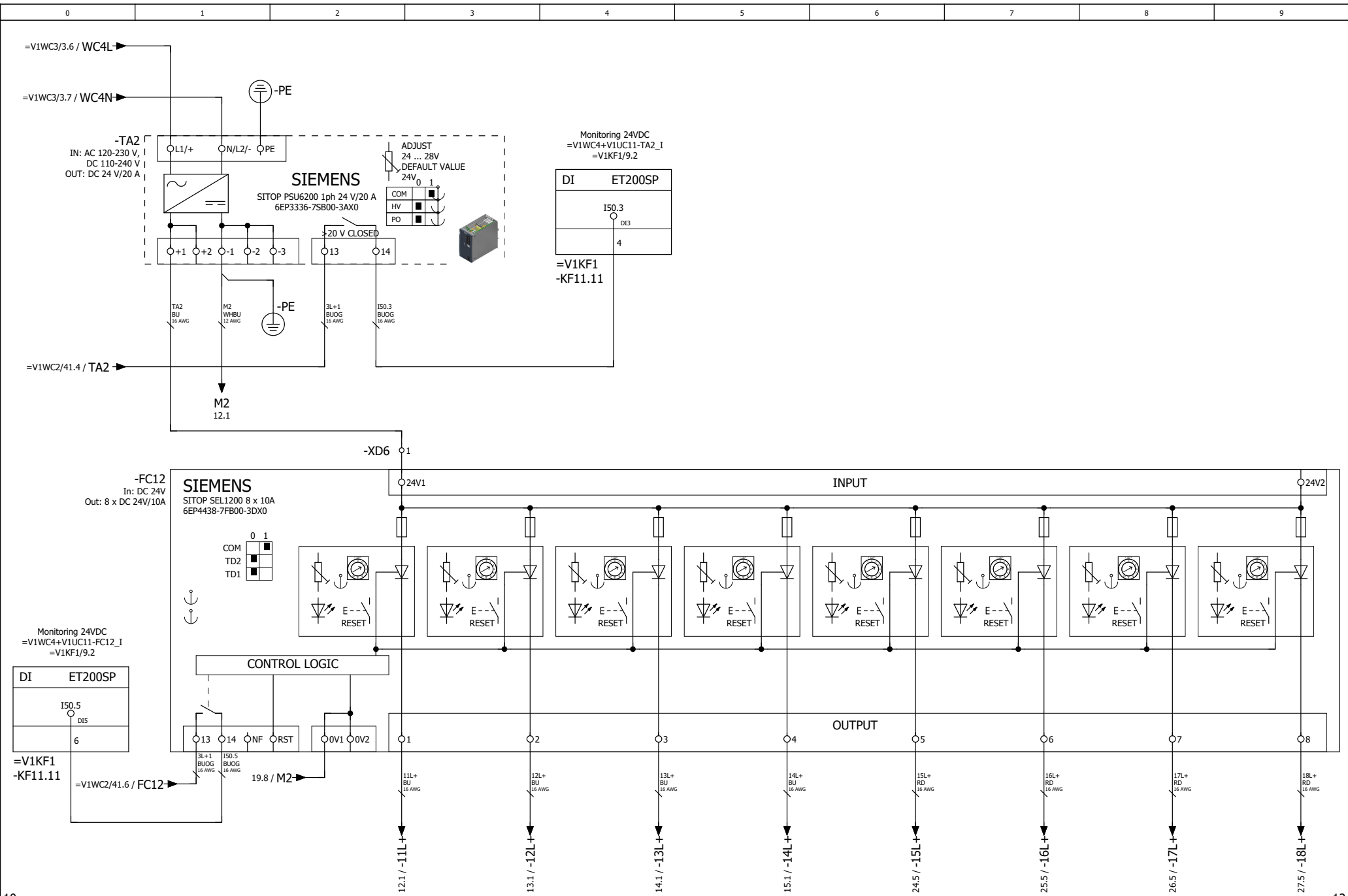
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				Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page	5
Modification	Date	Name	Original		Replacement of	Replaced by				EFS	22-16145		401



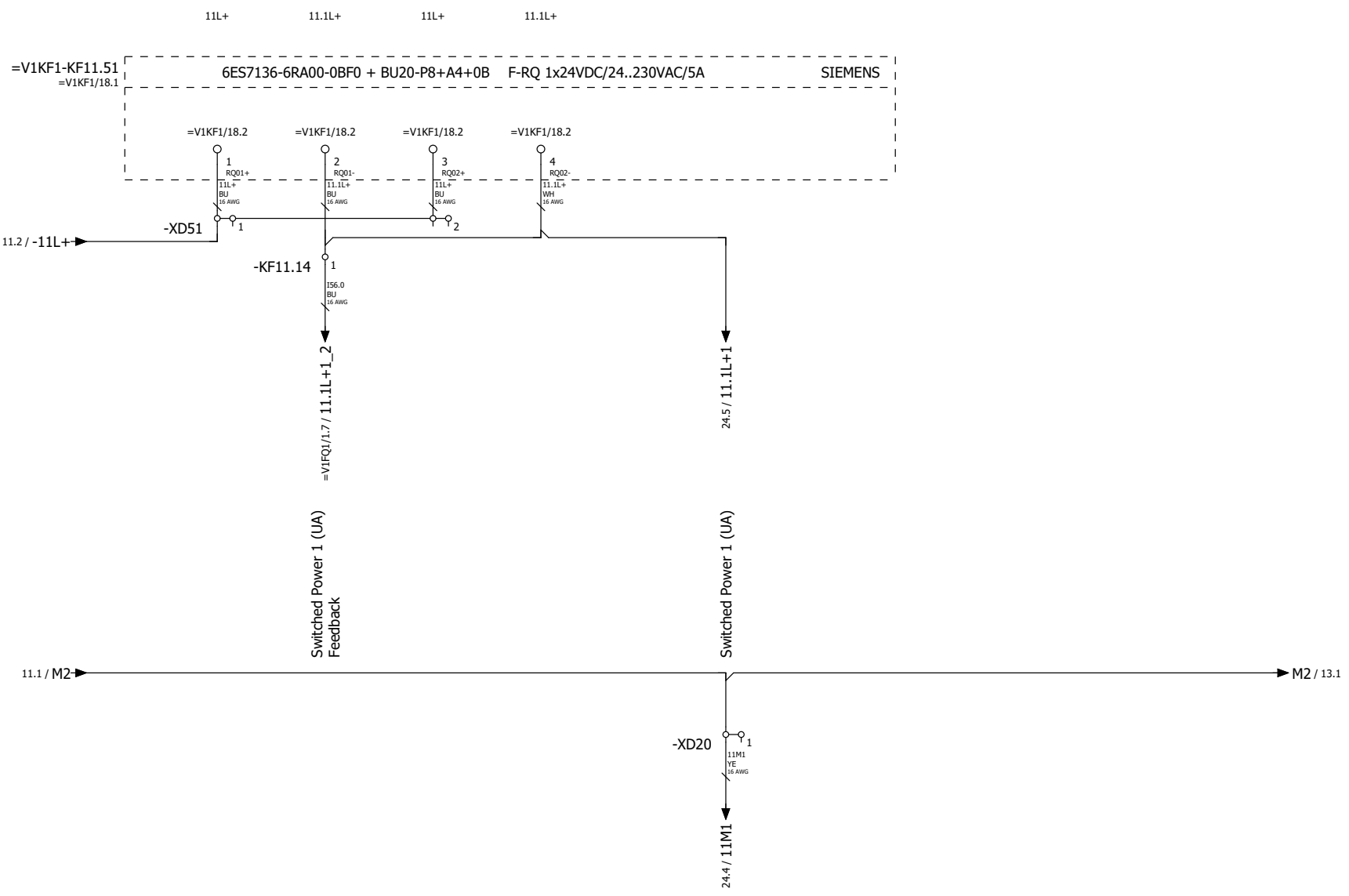
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of			Replaced by	EFS	22-16145
										401



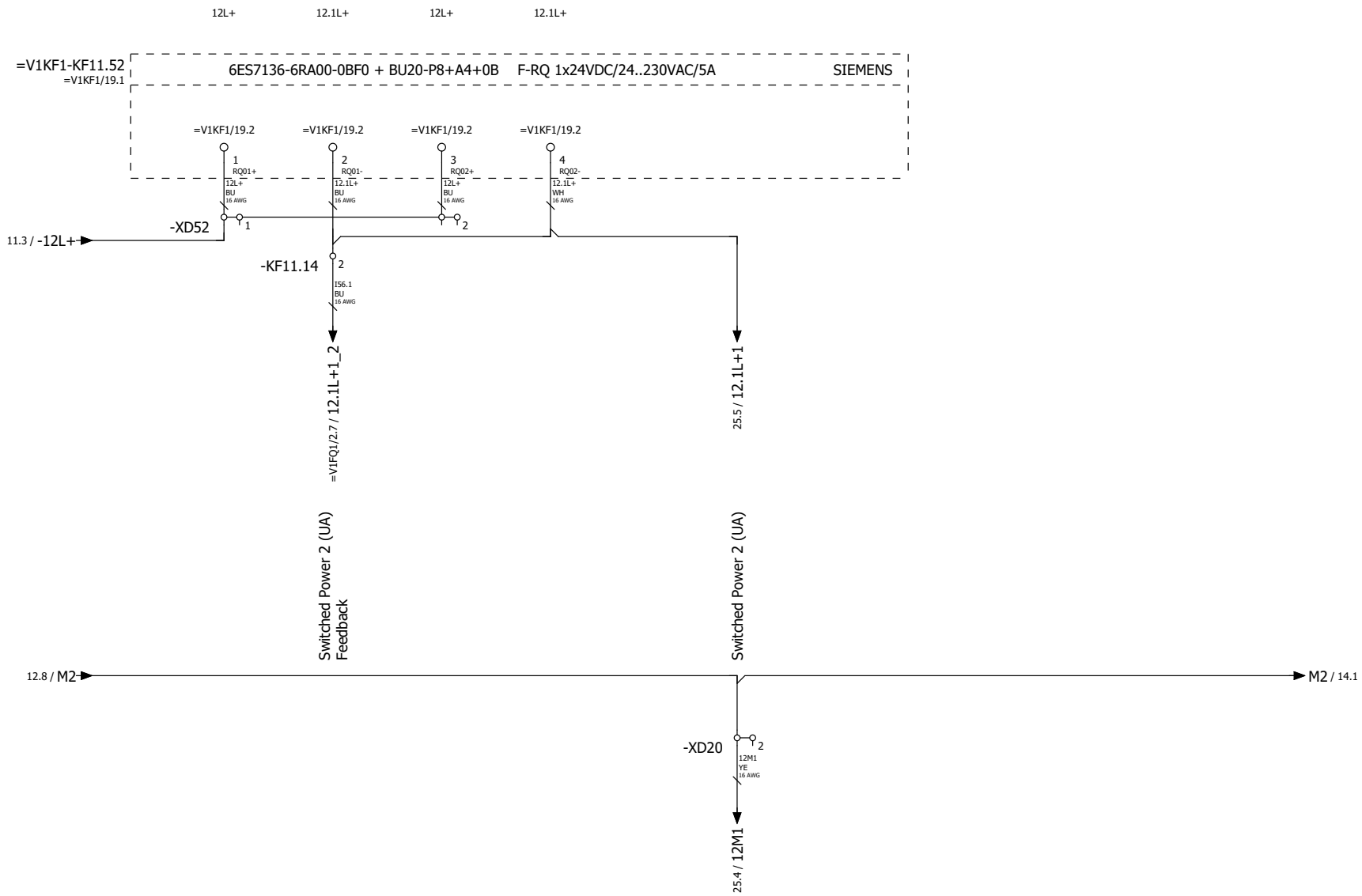
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of		Replaced by	EFS	22-16145	
										401



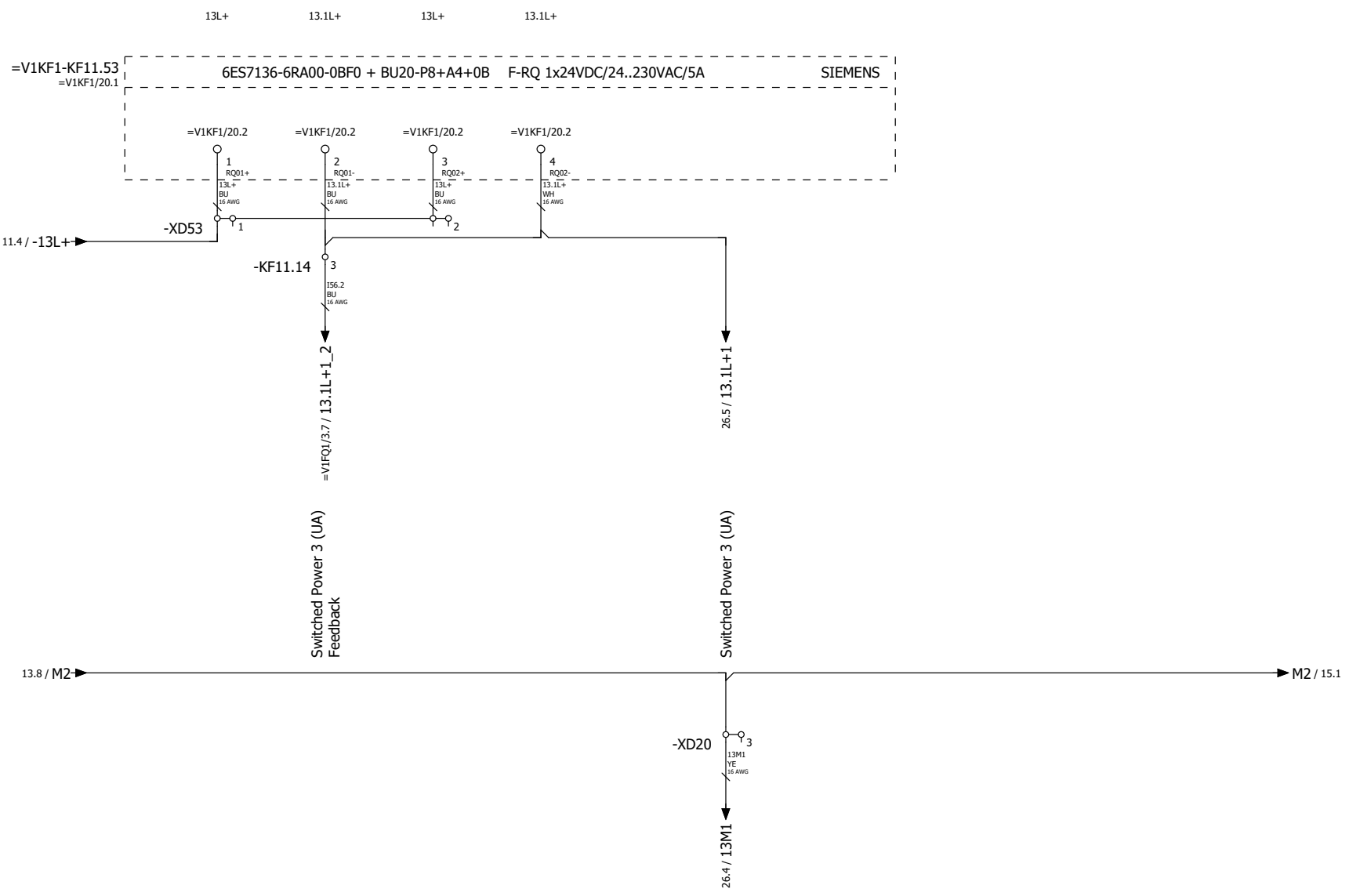
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				Date 10/21/2022		Scale 1:1				Document type: EFS		Project nr: 22-16145	
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				Appr.								401	
Modification				Date		Name		Original		Replacement of		Replaced by	



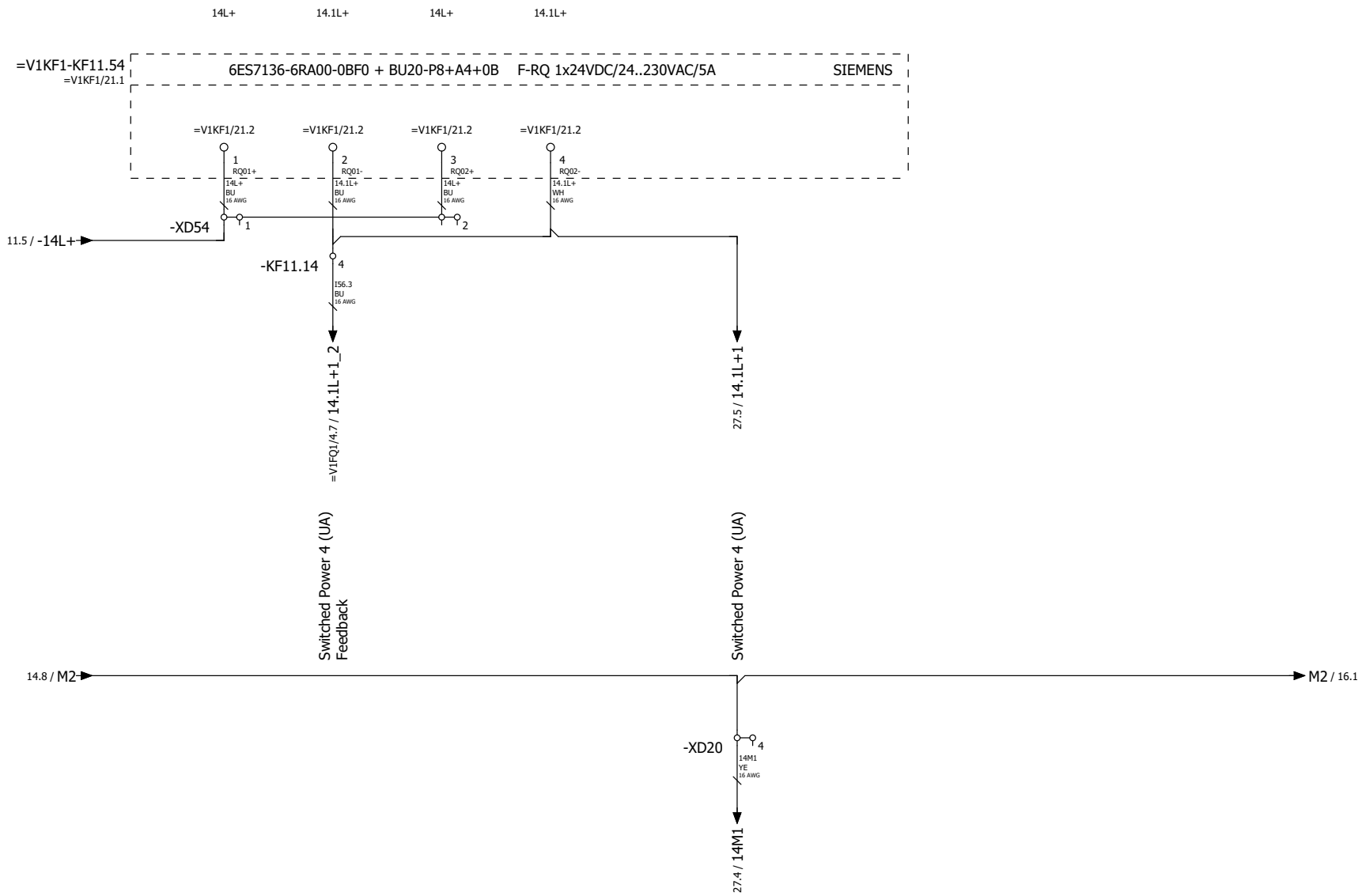
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr: 22-16145	Page	12
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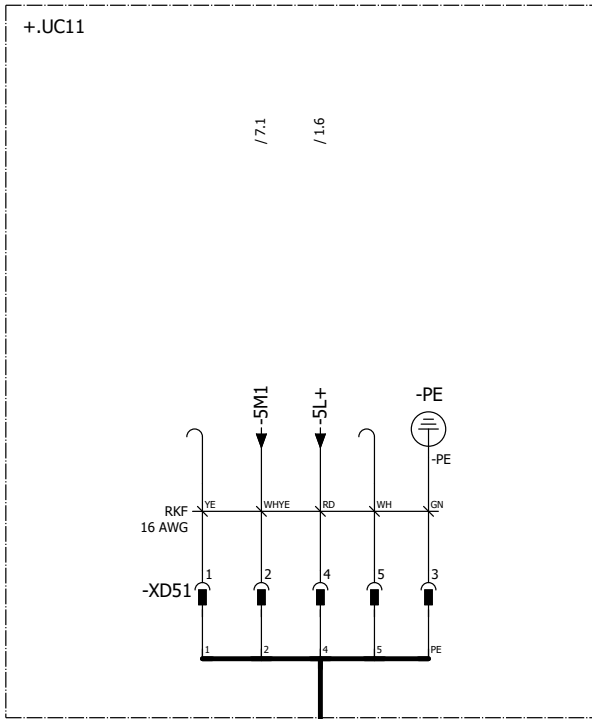
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				Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page	13
Modification	Date	Name	Original		Replacement of	Replaced by				EFS	22-16145	401	



		Date	10/21/2022	Volvo Trucks North America		Valiant TMS		Power distribution 24VDC 13L+		Drawing name:		= V1WC4	
		Ed.	MKLEPADLO							= 2V12&EFS-EL		+ V1UC11	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1				EFS		22-16145	
											Page	14	
												401	



		Date	10/21/2022	Volvo Trucks North America		Valiant TMS		Power distribution 24VDC 14L+		Drawing name:		= V1WC4	
		Ed.	MKLEPADLO							= 2V12&EFS-EL		+ V1UC11	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1				EFS		22-16145	
											Page	15	
												401	



POWER IN / POWER OUT

- Pin 1: 0 V UA
- Pin 2: 0 V US
- Pin 3: FE
- Pin 4: +24 V US / 9 A
- Pin 5: +24 V UA / 9 A

Pin #	WIRE	COLOR
Pin 1	N/C	YE
Pin 2	-5M1	WHYE
Pin 3	GND	GN
Pin 4	-5L+	RD
Pin 5	N/C	WH

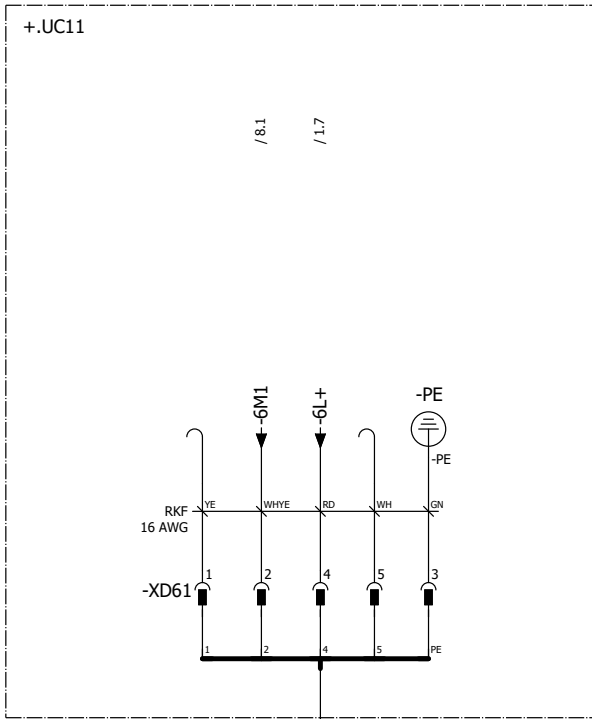
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Drawing name: = 2V12&EFS-EL	Project nr: 22-16145	Page 20
							= V1WC4 + V1UC11		401

Date 10/21/2022
Ed. MKLEPADLO

Volvo Trucks North America
P6700 Rear Wall Hdr & Door Ring RH Cell



Valiant TMS 24VDC Unswitched Power 1



POWER IN / POWER OUT

- Pin 1: 0 V UA
- Pin 2: 0 V US
- Pin 3: FE
- Pin 4: +24 V US / 9 A
- Pin 5: +24 V UA / 9 A

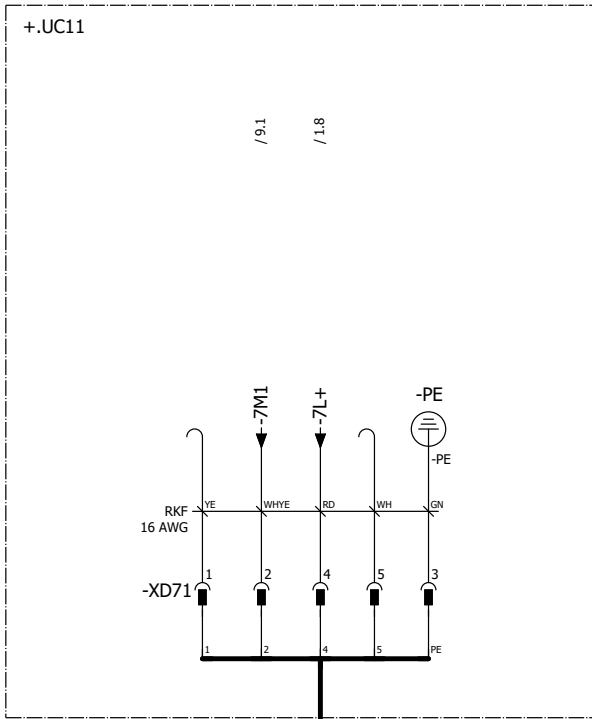
Pin #	WIRE	COLOR
Pin 1	N/C	YE
Pin 2	-6M1	WHYE
Pin 3	GND	GN
Pin 4	-6L+	RD
Pin 5	N/C	WH

Date 10/21/2022
Ed. MKLEPADLO

Volvo Trucks North America
P6700 Rear Wall Hdr & Door Ring RH Cell



Valiant TMS 24VDC Unswitched Power 2



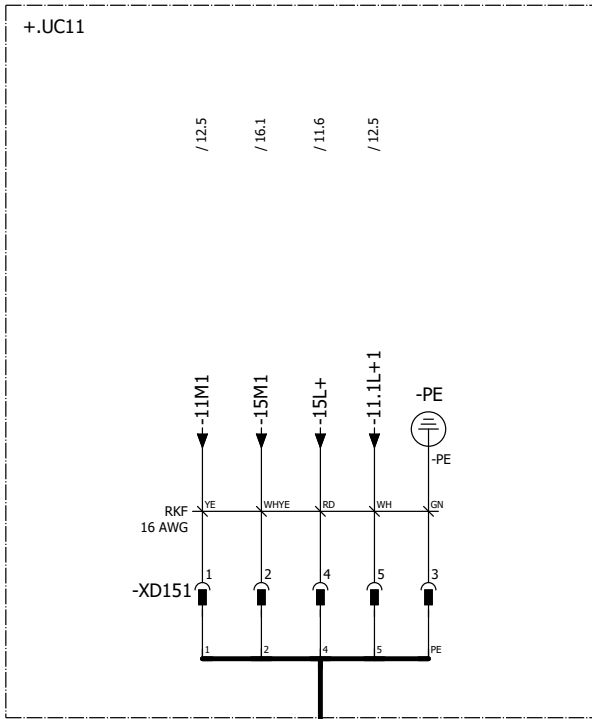
POWER IN / POWER OUT

- Pin 1: 0 V UA
- Pin 2: 0 V US
- Pin 3: FE
- Pin 4: +24 V US / 9 A
- Pin 5: +24 V UA / 9 A

Pin #	WIRE	COLOR
Pin 1	N/C	YE
Pin 2	-7M1	WHYE
Pin 3	GND	GN
Pin 4	-7L+	RD
Pin 5	N/C	WH

+ .WR1-KF1.X01
=V1WR1KF1+.WR1/1.1

				Date	10/21/2022	Volvo Trucks North America			Valiant TMS	24VDC Unswitched Power 3	Drawing name: = 2V12&EFS-EL		= V1WC4 + V1UC11	
				Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell			Scale 1:1			Document type: EFS	Project nr: 22-16145	Page
Modification	Date	Name	Original	Replacement of	Replaced by									401



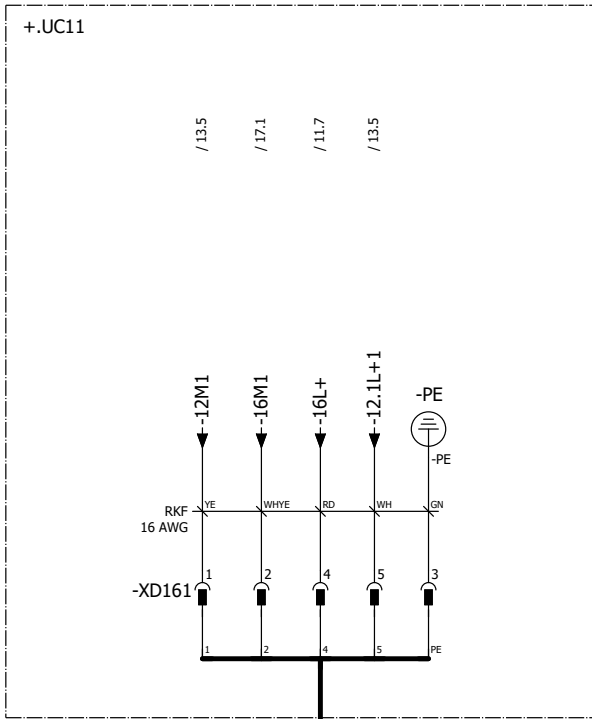
POWER IN / POWER OUT

- Pin 1: 0 V UA
- Pin 2: 0 V US
- Pin 3: FE
- Pin 4: +24 V US / 9 A
- Pin 5: +24 V UA / 9 A

Pin #	WIRE	COLOR
Pin 1	-11M1	YE
Pin 2	-15M1	WHYE
Pin 3	GND	GN
Pin 4	-15L+	RD
Pin 5	-11.1L+1	WH

+V1UQ51-W1
=V1UQ51KF1+.UQ51/1.1

				Date	10/21/2022	Volvo Trucks North America			Valiant TMS	24VDC Switched Power 1	Drawing name:		= V1WC4		
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Modification	Date	Name	Original	Appr		Replacement of	Replaced by		Document type:	Project nr:	EFS		22-16145	Page	24
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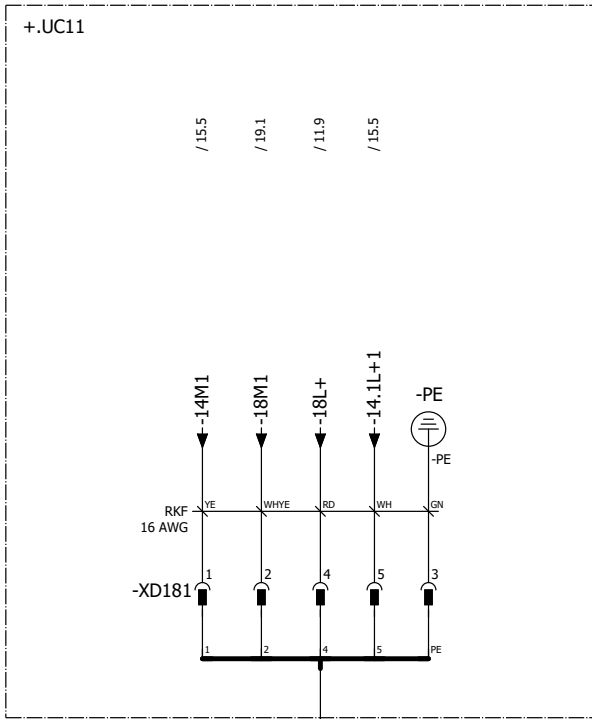
POWER IN / POWER OUT

- Pin 1: 0 V UA
- Pin 2: 0 V US
- Pin 3: FE
- Pin 4: +24 V US / 9 A
- Pin 5: +24 V UA / 9 A

Pin #	WIRE	COLOR
Pin 1	-12M1	YE
Pin 2	-16M1	WHYE
Pin 3	GND	GN
Pin 4	-16L+	RD
Pin 5	-12.1L+1	WH

+V1GL11-W1
=V1GL11KF1+.GL11/10.1

		Date	10/21/2022	Volvo Trucks North America			Valiant TMS	24VDC Switched Power 2	Drawing name:		= V1WC4
		Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell			Scale 1:1		= 2V12&EFS-EL		+ V1UC11
Modification	Date	Name	Original	Replacement of	Replaced by			Document type:	Project nr:		Page
								EFS	22-16145		25
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POWER IN / POWER OUT

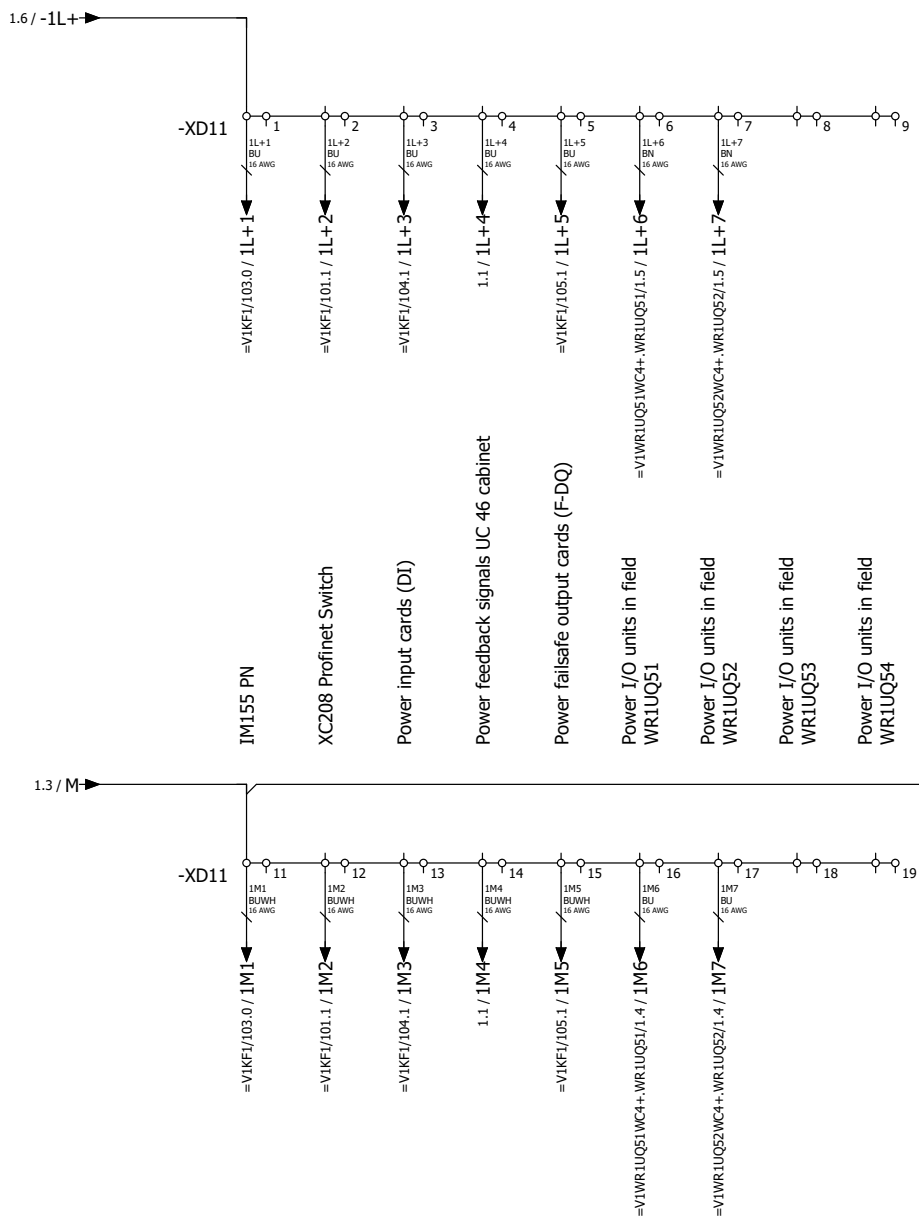
- Pin 1: 0 V UA
- Pin 2: 0 V US
- Pin 3: FE
- Pin 4: +24 V US / 9 A
- Pin 5: +24 V UA / 9 A

Pin #	WIRE	COLOR
Pin 1	-14M1	YE
Pin 2	-18M1	WHYE
Pin 3	GND	GN
Pin 4	-18L+	RD
Pin 5	-14.1L+1	WH

+UC11-SWITCHEDPWR4

+ .UC46/1

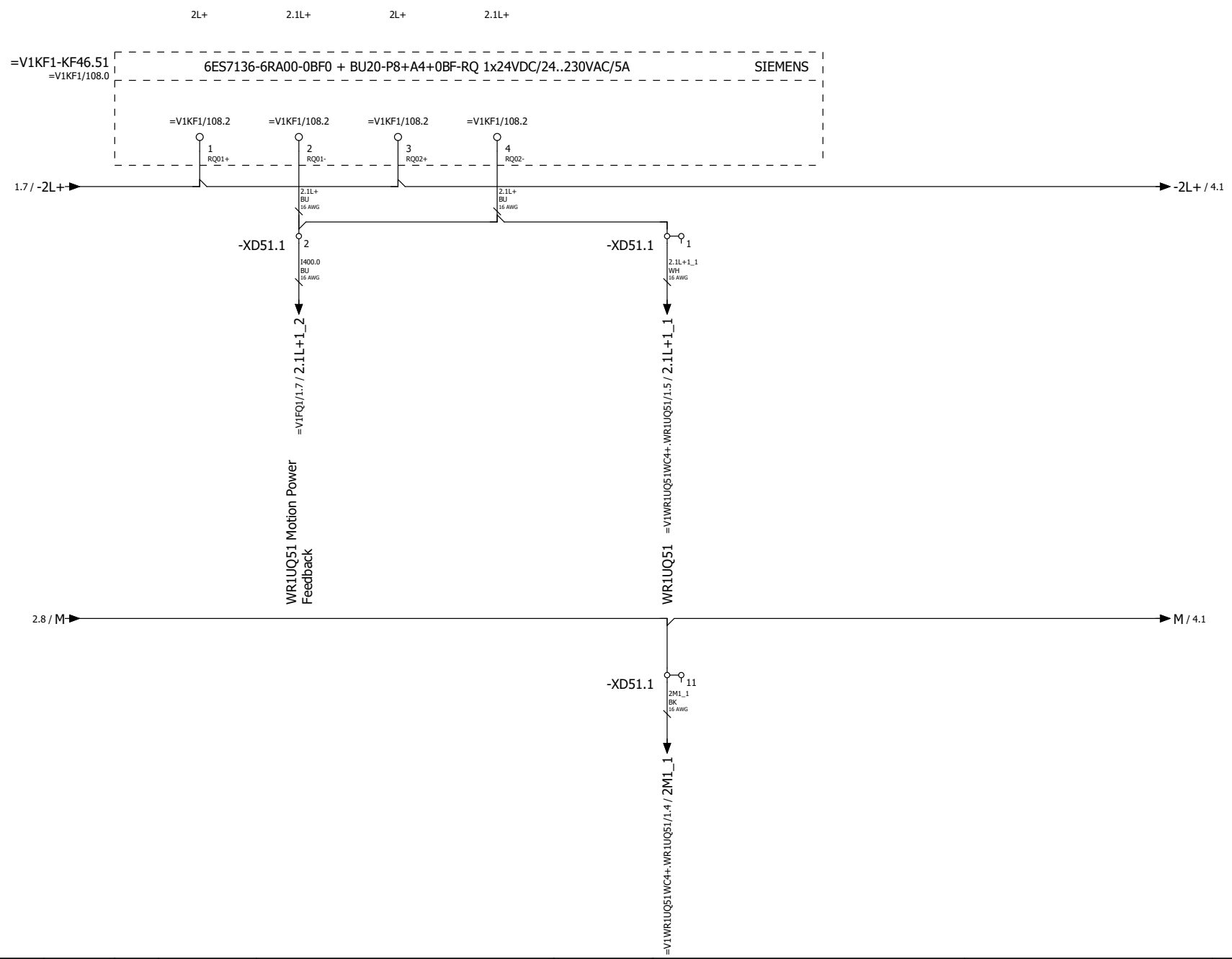
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Modification	Date	Name	Original	Replacement of	Replaced by		Scale 1:1		Document type:	Project nr:	
									EFS	22-16145	
										Page	27
											401



1

3

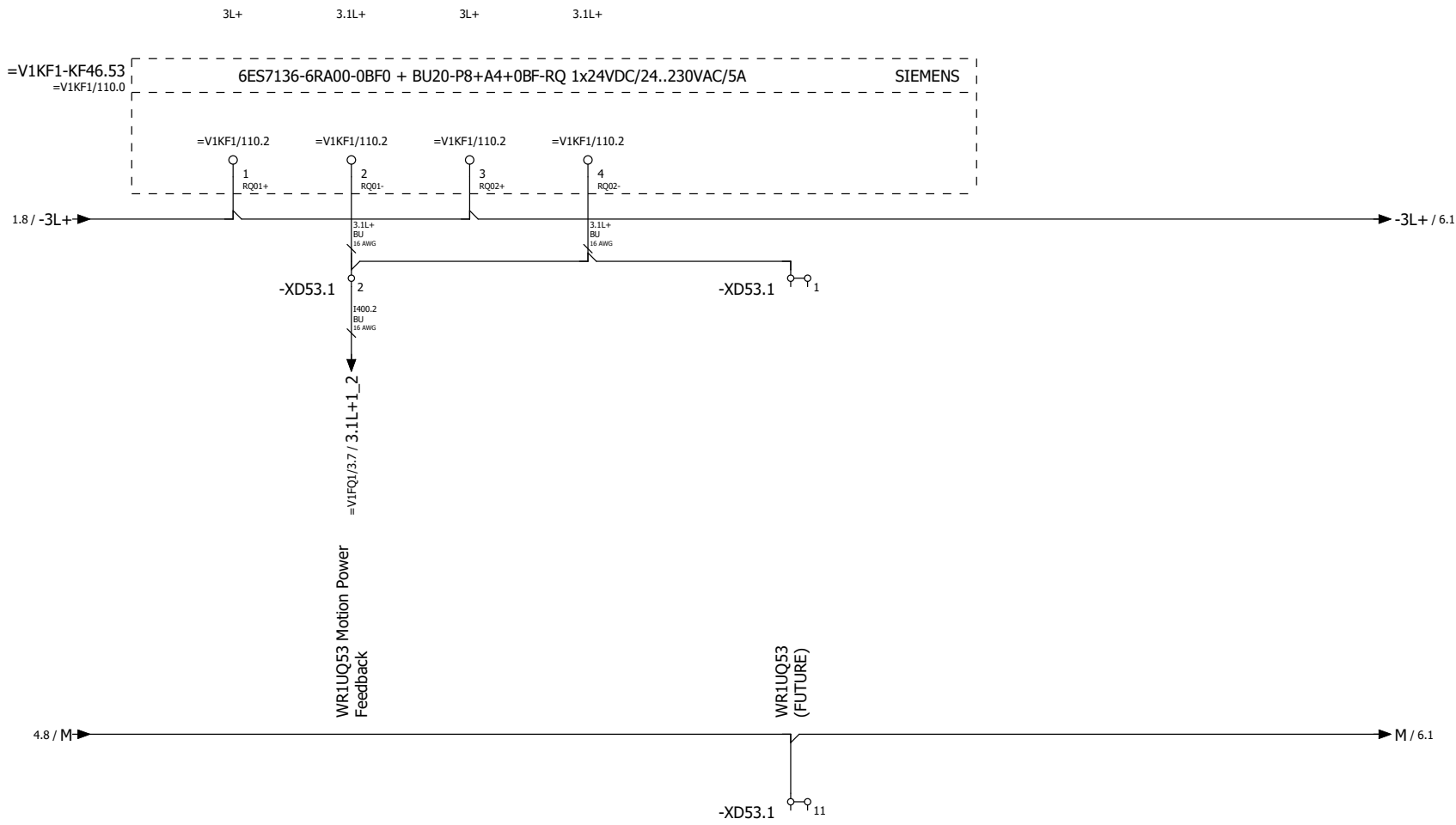
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		Ed.	MKLEPADLO							Document type:		Project nr: 22-16145	
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Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1						Page 401	



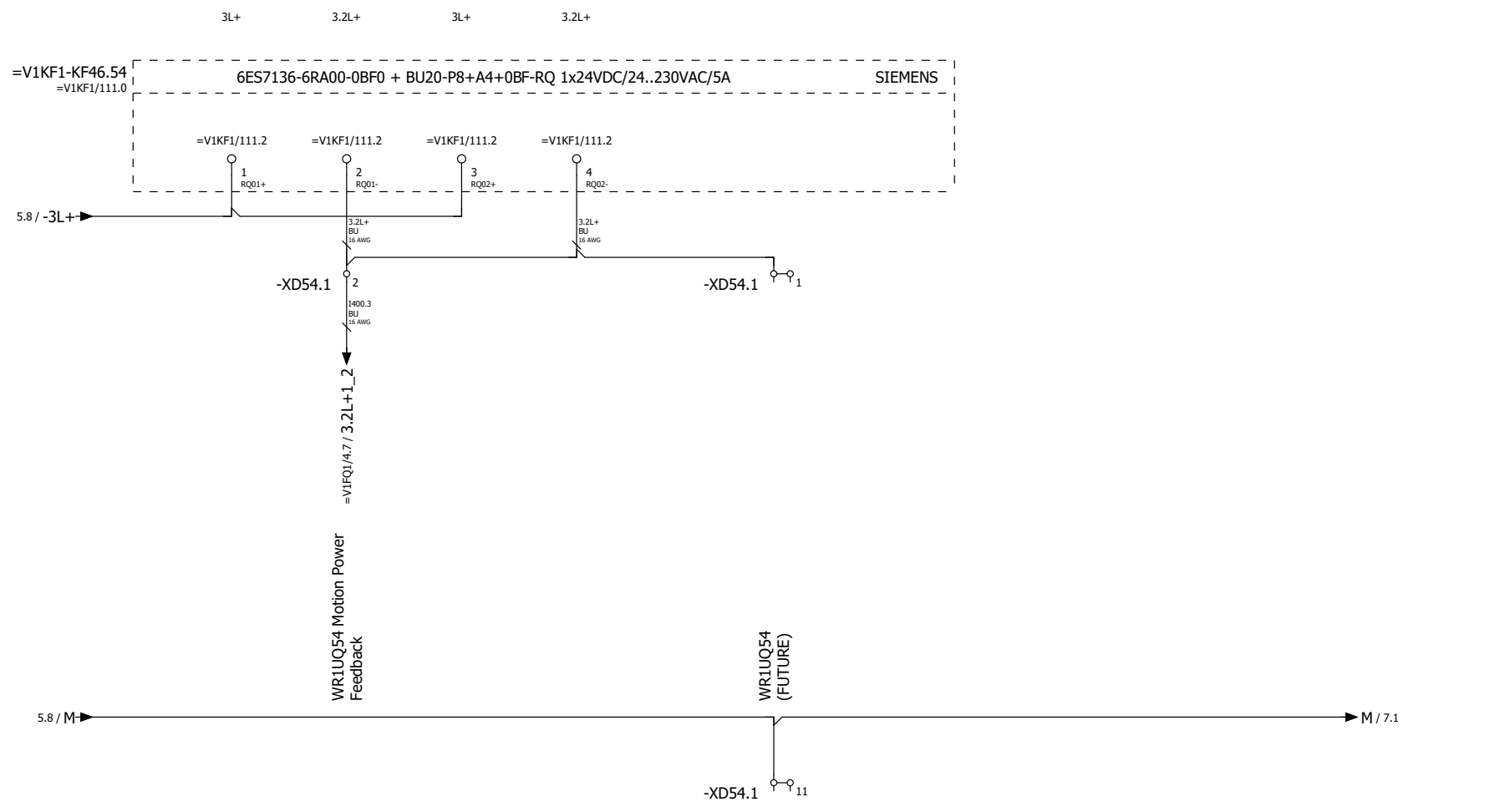
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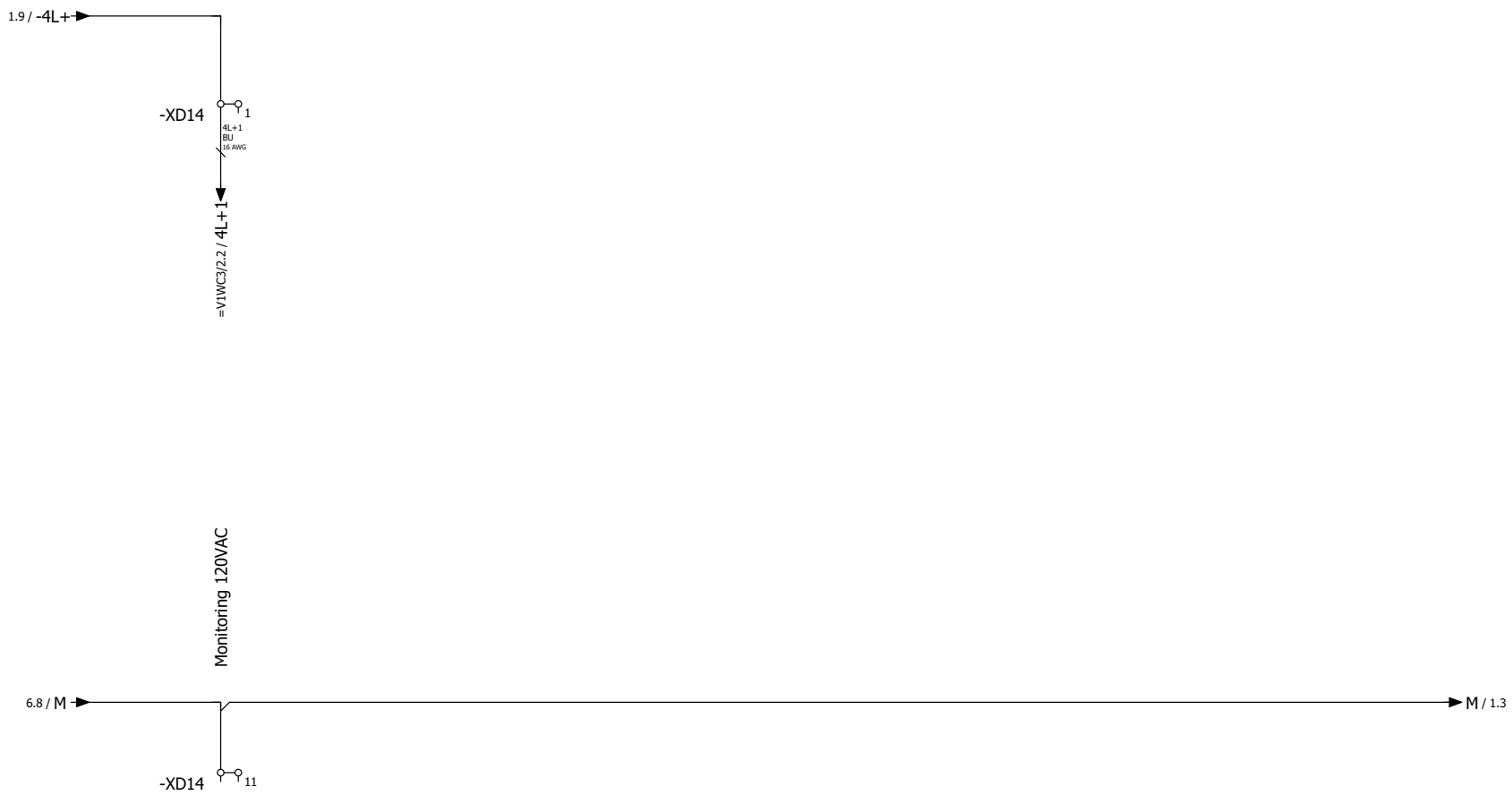
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			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by			EFS	22-16145	3
										401	



		Date	10/21/2022	Volvo Trucks North America		Valiant TMS		Power distribution 24VDC 3L+		Drawing name:		= V1WC4	
		Ed.	MKLEPADLO							= 2V12&EFS-EL		+ V1UC46	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1				EFS		22-16145	
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												401	




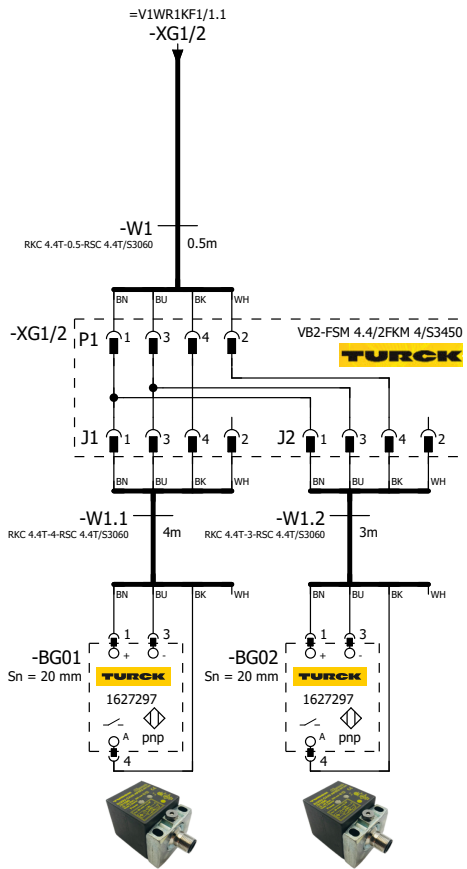
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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
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											Page	6	
												401	



6

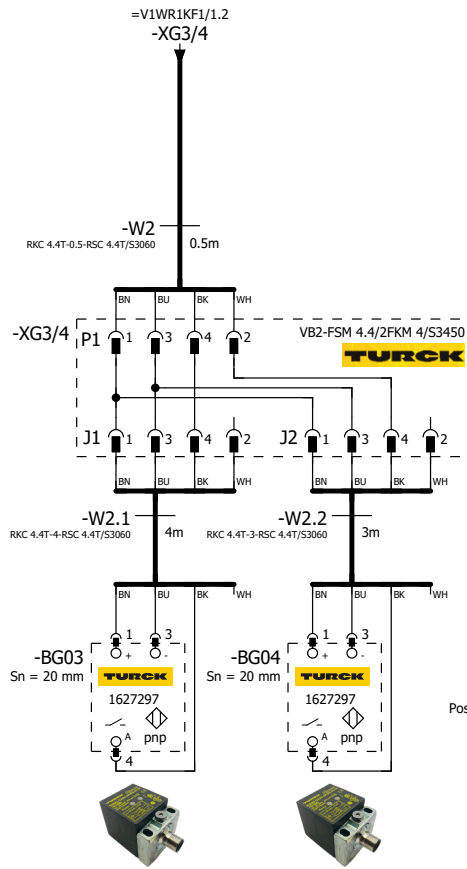
=V1WR1BG0+.WR1/1

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				Appr		Replacement of		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original			Replaced by			EFS	22-16145		7
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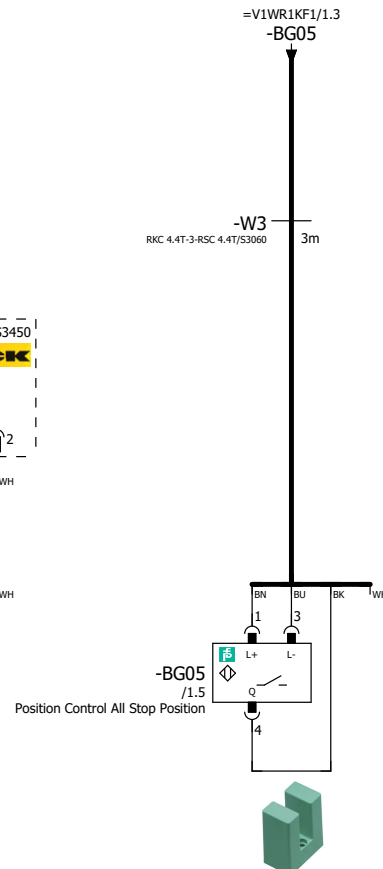
=V1WR1
-BG01
Position Control P1
Position

=V1WR1
-BG02
Position Control P1
Position



=V1WR1
-BG03
Position Control P2
Position

=V1WR1
-BG04
Position Control P3
Position

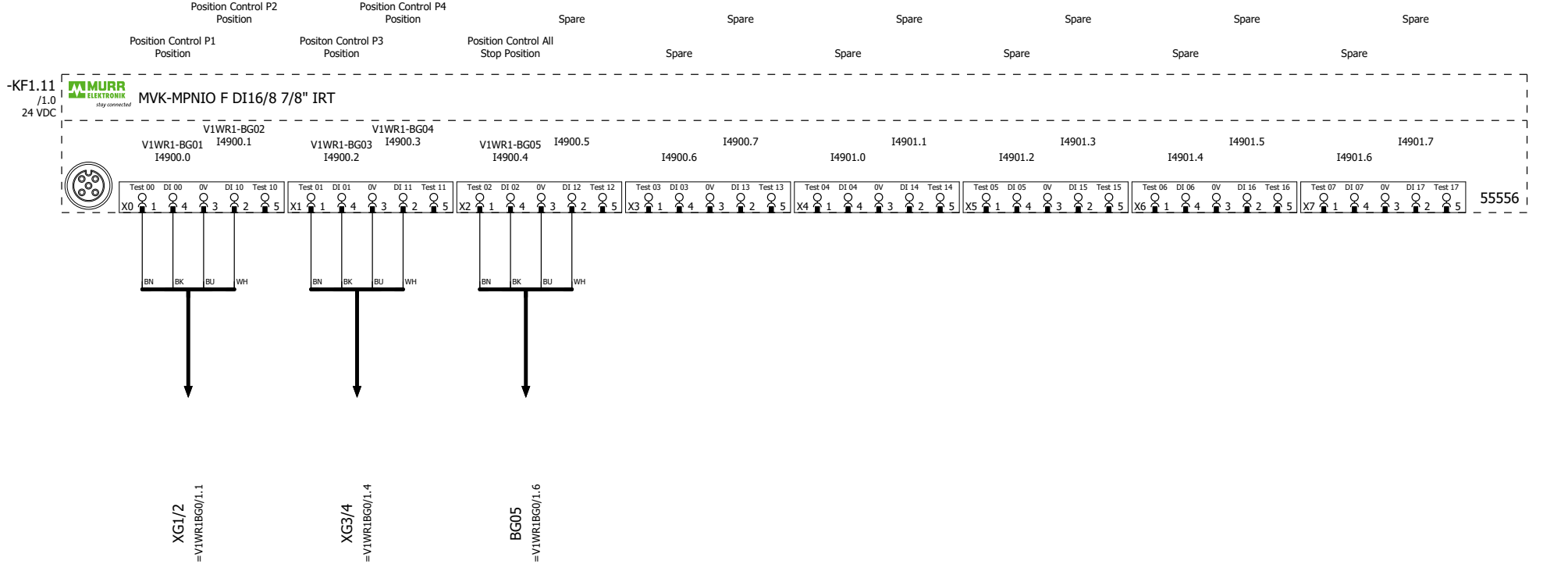
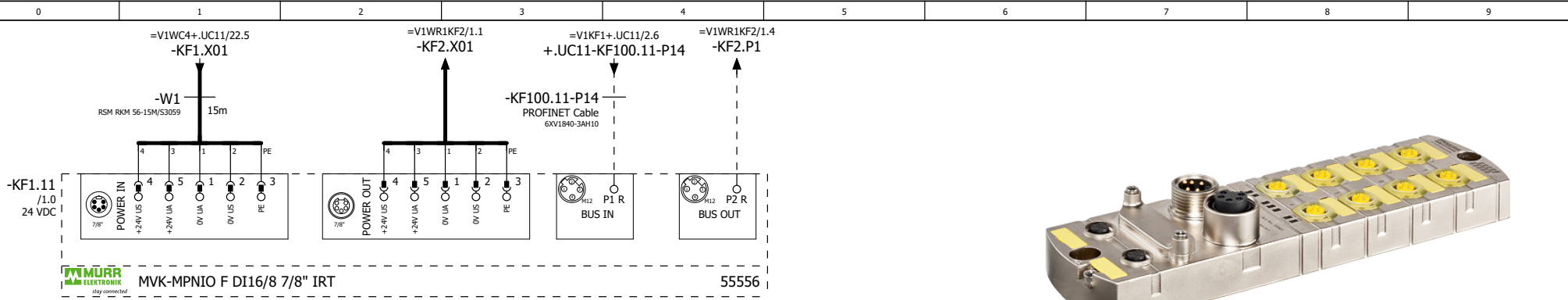


=V1WR1
-BG05
Position Control All
Stop Position

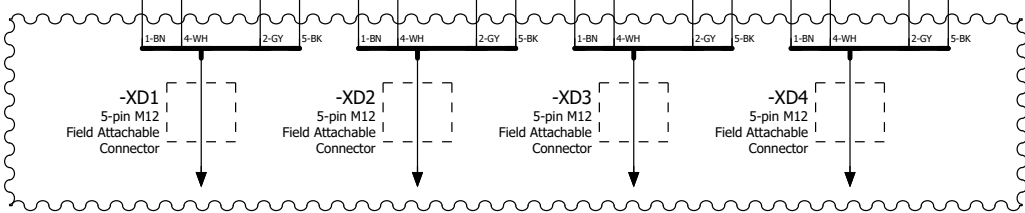
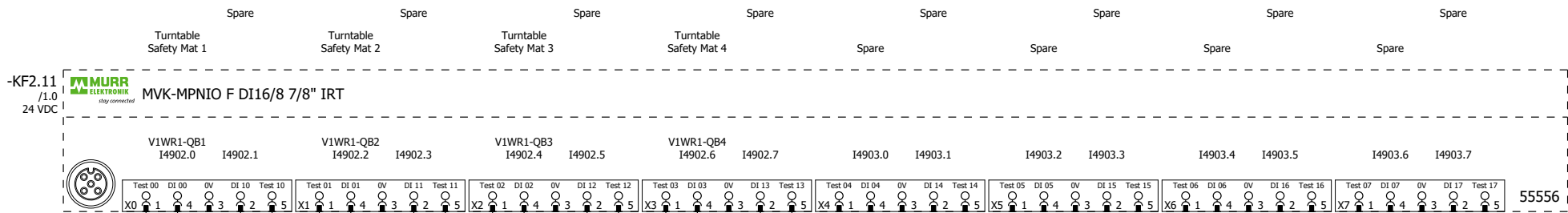
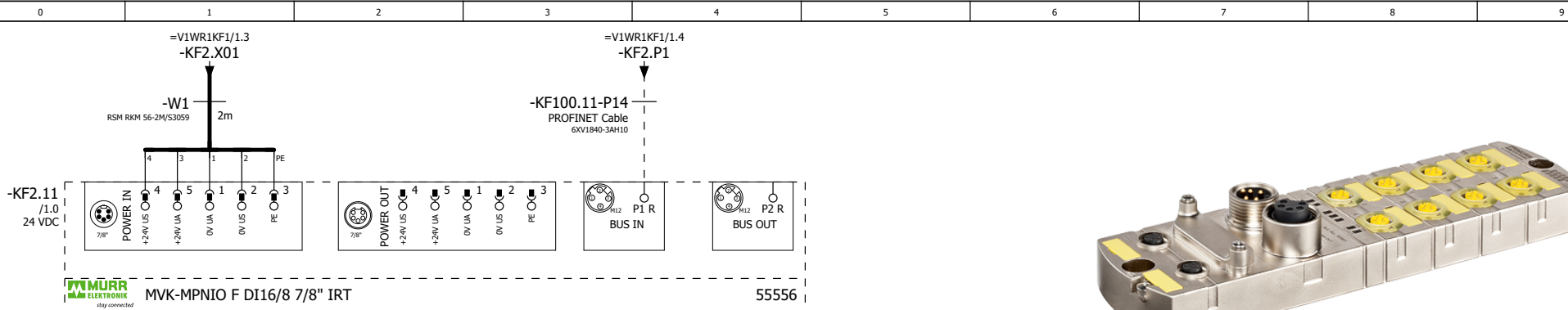
=V1WC4+.UC46/7

=V1WR1KF1/1

Date	12/14/2022	Volvo Trucks North America	Valiant TMS	TURNTABLE POSITION SENSORS	Drawing name: =2V12&EFS-EL	= V1WR1BG0 + V1WR1
Ed.	MKLEPADLO				Document type: EFS	Project nr: 22-16145
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1			Page 1
Modification	Date	Name	Original	Replacement of	Replaced by	401



=V1WR1BG0/1				=V1WR1KF2/1			
Date	12/14/2022	Volvo Trucks North America	Valiant TMS	MURR MODULE SAFE 16 IN		Drawing name:	= V1WR1KF1
Ed.	MKLEPADLO					= 2V12&EFS-EL	+ V1WR1
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				Document type:	Project nr:
Modification	Date	Name	Original	Replacement of	Replaced by	EFS	22-16145
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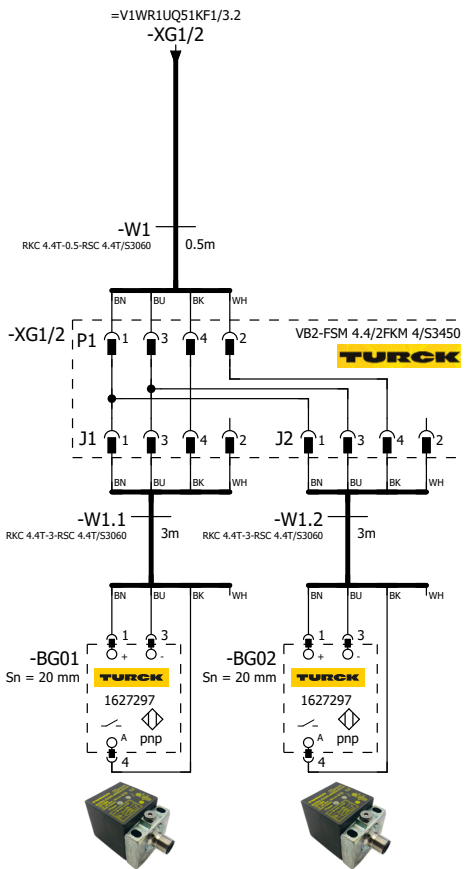
-QB1
=V1FQ1+-FQ1/10.1

-QB2
=V1FQ1+-FQ1/10.3

-QB3
=V1FQ1+-FQ1/10.6

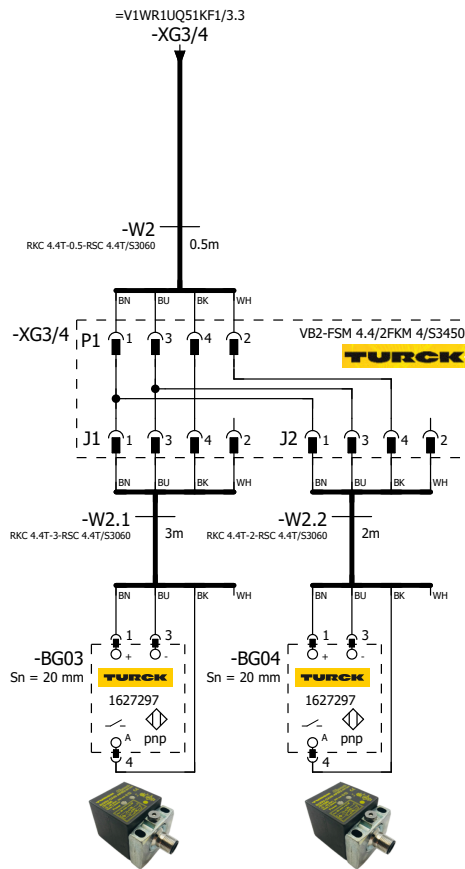
-QB4
=V1FQ1+-FQ1/10.9

=V1WR1KF1/1				=V1WR1UQ51BG0+.WR1UQ51/1			
Date	12/14/2022	Volvo Trucks North America	Valiant TMS	MURR MODULE SAFE 16 IN	Drawing name:	= V1WR1KF2	
Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1WR1
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	Page 1
Modification	Date	Name	Original	Replacement of	Replaced by	22-16145	401



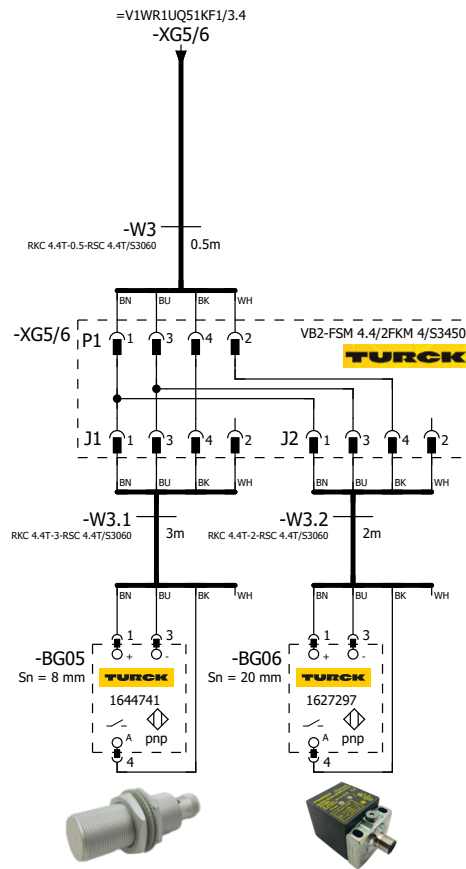
=V1WR1UQ51
-BG01
Reinf Upper Hinge
PLR RH

=V1WR1UQ51
-BG02
Reinf Upper Hinge
PLR RH



=V1WR1UQ51
-BG03
Reinf Door Hinge
ASM RH

=V1WR1UQ51
-BG04
Reinf Door Hinge
ASM RH

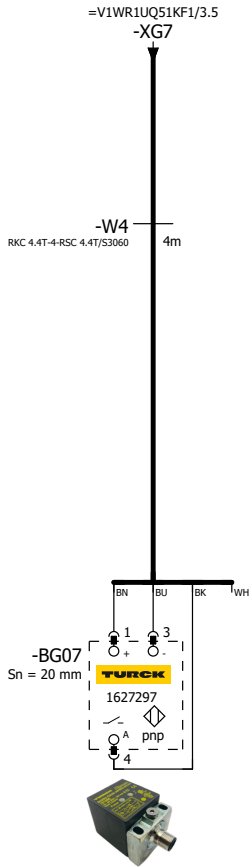


=V1WR1UQ51
-BG05
Reinf Lock B PLR

=V1WR1UQ51
-BG06
Door Frame RH

=V1WR1KF2+V1WR1/1

			Date	10/21/2022	Volvo Trucks North America		Valiant TMS		SENSORS		Drawing name: =2V12&EFS-EL		= V1WR1UQ51BG0 + V1WR1UQ51	
			Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1				Document type: EFS		Project nr: 22-16145	
Modification	Date	Name	Original		Replacement of	Replaced by							Page	1
													401	



=V1WR1UQ51
-BG07
Door Frame RH

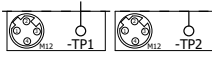
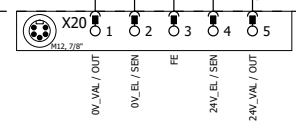
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			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	SENSORS	Drawing name:		= V1WR1UQ51BG0
			Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1WR1UQ51
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by			EFS	22-16145	2
										401	

=V1WR1UQ51WC4/1.5 / W1
 =V1KF1+.UC46/102.6 / +.UC46-KF100.46-P3

-W1
 RSM RKM 56-5M/S3059
 5m

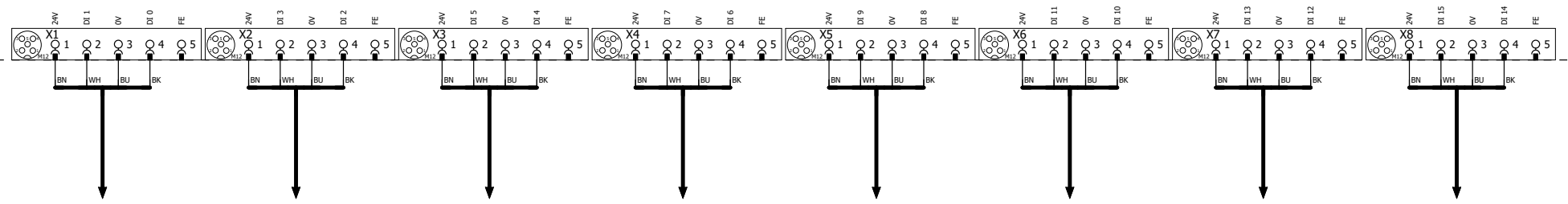
-KF100.46-P3
 PROFINET Cable
 6XV1840-3AH10



I2000.0	DI ₁ x1:4	V1WR1UQ51UQ1.1-BGR	Shot Pins 1 (RESET)
I2000.1	DI ₁ x1:2	V1WR1UQ51UQ1.1-BGS	Shot Pins 1 (SET)
I2000.2	DI ₂ x2:2	V1WR1UQ51UQ1.2-BGR	Shot Pins 1 (RESET)
I2000.3	DI ₃ x2:2	V1WR1UQ51UQ1.2-BGS	Shot Pins 1 (SET)
I2000.4	DI ₄ x3:4	V1WR1UQ51UQ1.3-BGR	Shot Pins 1 (RESET)
I2000.5	DI ₅ x3:2	V1WR1UQ51UQ1.3-BGS	Shot Pins 1 (SET)
I2000.6	DI ₆ x4:4	V1WR1UQ51UQ1.4-BGR	Shot Pins 1 (RESET)
I2000.7	DI ₇ x4:2	V1WR1UQ51UQ1.4-BGS	Shot Pins 1 (SET)
I2001.0	DI ₈ x5:4	V1WR1UQ51UQ1.5-BGR	Shot Pins 1 (RESET)
I2001.1	DI ₉ x5:2	V1WR1UQ51UQ1.5-BGS	Shot Pins 1 (SET)
I2001.2	DI ₁₀ x6:4	V1WR1UQ51UQ2.1-BGR	Shot Pin 2 (RESET)
I2001.3	DI ₁₁ x6:2	V1WR1UQ51UQ2.1-BGS	Shot Pin 2 (SET)
I2001.4	DI ₁₂ x7:4	V1WR1UQ51UQ3.1-BGR	Shot Pin 3 (RESET)
I2001.5	DI ₁₃ x7:2	V1WR1UQ51UQ3.1-BGS	Shot Pin 3 (SET)
I2001.6	DI ₁₄ x8:4	V1WR1UQ51UQ4.1-BGR	Clamps 4 (RESET)
I2001.7	DI ₁₅ x8:2	V1WR1UQ51UQ4.1-BGS	Clamps 4 (SET)

-KF1
FESTO
 Bus node + Interlinking block
 548755 + 550208

-KF1.11
FESTO
 CPX-M-AB-8-M12X2-5POL
 549335



+ WR1UQ51UQ1.1-W1
 =V1WR1UQ51UQ1+.WR1UQ51UQ1/1.1

+ WR1UQ51UQ1.2-W1
 =V1WR1UQ51UQ1+.WR1UQ51UQ1/1.2

+ WR1UQ51UQ1.3-W1
 =V1WR1UQ51UQ1+.WR1UQ51UQ1/1.4

+ WR1UQ51UQ1.4-W1
 =V1WR1UQ51UQ1+.WR1UQ51UQ1/1.5

+ WR1UQ51UQ1.5-W1
 =V1WR1UQ51UQ1+.WR1UQ51UQ1/1.7

+ WR1UQ51UQ2.1-W1
 =V1WR1UQ51UQ2+.WR1UQ51UQ2/1.1

+ WR1UQ51UQ3.1-W1
 =V1WR1UQ51UQ3+.WR1UQ51UQ3/1.1

+ WR1UQ51UQ4.1-W1
 =V1WR1UQ51UQ4+.WR1UQ51UQ4/1.1

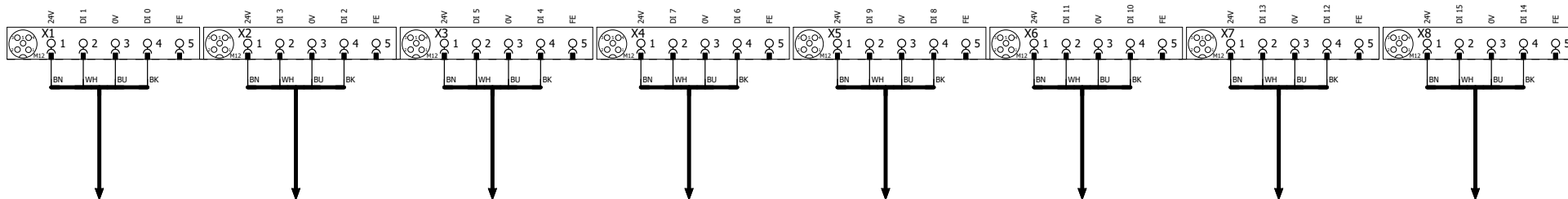
=V1WR1UQ51BG0/2

Date		10/21/2022		Volvo Trucks North America		Valiant TMS		CONNECTING MOD. FOR VTSA MANIFOLD		Drawing name:		= V1WR1UQ51KF1	
Ed.		MKLEPADLO								= 2V12&EFS-EL		+ V1WR1UQ51	
Appr				P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Original				Replacement of		Replaced by		Scale 1:1		EFS		22-16145	
Modification	Date	Name	Original									Page	1
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-KF1.12 **FESTO**
 CPX-M-AB-8-M12X2-5POL
 549335



- I2002.0 $\bigcirc_{DI1-x1:4}$ V1WR1UQ51UQ4.2-BGR Clamps 4 (RESET)
- I2002.1 $\bigcirc_{DI1-x1:2}$ V1WR1UQ51UQ4.2-BGS Clamps 4 (SET)
- I2002.2 $\bigcirc_{DI2-x2:4}$ V1WR1UQ51UQ4.3-BGR Clamps 4 (RESET)
- I2002.3 $\bigcirc_{DI3-x2:2}$ V1WR1UQ51UQ4.3-BGS Clamps 4 (SET)
- I2002.4 $\bigcirc_{DI4-x3:4}$ V1WR1UQ51UQ4.4-BGR Clamps 4 (RESET)
- I2002.5 $\bigcirc_{DI5-x3:2}$ V1WR1UQ51UQ4.4-BGS Clamps 4 (SET)
- I2002.6 $\bigcirc_{DI6-x4:4}$ V1WR1UQ51UQ4.5-BGR Clamps 4 (RESET)
- I2002.7 $\bigcirc_{DI7-x4:2}$ V1WR1UQ51UQ4.5-BGS Clamps 4 (SET)
- I2003.0 $\bigcirc_{DI8-x5:4}$ V1WR1UQ51UQ4.6-BGR Clamps 4 (RESET)
- I2003.1 $\bigcirc_{DI9-x5:2}$ V1WR1UQ51UQ4.6-BGS Clamps 4 (SET)
- I2003.2 $\bigcirc_{DI10-x6:4}$ V1WR1UQ51UQ5.1-BGR Clamps 5 (RESET)
- I2003.3 $\bigcirc_{DI11-x6:2}$ V1WR1UQ51UQ5.1-BGS Clamps 5 (SET)
- I2003.4 $\bigcirc_{DI12-x7:4}$ V1WR1UQ51UQ5.2-BGR Clamps 5 (RESET)
- I2003.5 $\bigcirc_{DI13-x7:2}$ V1WR1UQ51UQ5.2-BGS Clamps 5 (SET)
- I2003.6 $\bigcirc_{DI14-x8:4}$ V1WR1UQ51UQ5.3-BGR Clamps 5 (RESET)
- I2003.7 $\bigcirc_{DI15-x8:2}$ V1WR1UQ51UQ5.3-BGS Clamps 5 (SET)



+ WR1UQ51UQ4.2-W1
 =V1WR1UQ51UQ4+.WR1UQ51UQ4/1.2

+ WR1UQ51UQ4.3-W1
 =V1WR1UQ51UQ4+.WR1UQ51UQ4/1.4

+ WR1UQ51UQ4.4-W1
 =V1WR1UQ51UQ4+.WR1UQ51UQ4/1.5

+ WR1UQ51UQ4.5-W1
 =V1WR1UQ51UQ4+.WR1UQ51UQ4/1.7

+ WR1UQ51UQ4.6-W1
 =V1WR1UQ51UQ4+.WR1UQ51UQ4/1.9

+ WR1UQ51UQ5.1-W1
 =V1WR1UQ51UQ5+.WR1UQ51UQ5/1.1

+ WR1UQ51UQ5.2-W1
 =V1WR1UQ51UQ5+.WR1UQ51UQ5/1.2

+ WR1UQ51UQ5.3-W1
 =V1WR1UQ51UQ5+.WR1UQ51UQ5/1.4

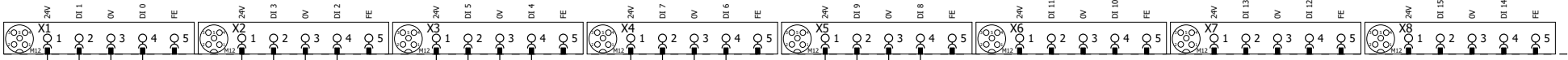
			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	I/O MOD. DI16 (8 x M12) FOR VTSA-F	Drawing name:		= V1WR1UQ51KF1
			Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1WR1UQ51
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by		EFS	22-16145		2
										401	

-KF1.13

FESTO
 CPX-M-AB-8-M12X2-5POL
 549335



I2004.0	DI ⁰ _{x1:4}	V1WR1UQ51UQ6.1-BGR	Clamp 6 (RESET)
I2004.1	DI ¹ _{x1:2}	V1WR1UQ51UQ6.1-BGS	Clamp 6 (SET)
I2004.2	DI ² _{x2:4}	V1WR1UQ51-BG01	Reinf Upper Hinge PLR RH
I2004.3	DI ³ _{x2:2}	V1WR1UQ51-BG02	Reinf Upper Hinge PLR RH
I2004.4	DI ⁴ _{x3:4}	V1WR1UQ51-BG03	Reinf Door Hinge ASM RH
I2004.5	DI ⁵ _{x3:2}	V1WR1UQ51-BG04	Reinf Door Hinge ASM RH
I2004.6	DI ⁶ _{x4:4}	V1WR1UQ51-BG05	Reinf Lock B PLR
I2004.7	DI ⁷ _{x4:2}	V1WR1UQ51-BG06	Door Frame RH
I2005.0	DI ⁸ _{x5:4}	V1WR1UQ51-BG07	Door Frame RH
I2005.1	DI ⁹ _{x5:2}	I2005.1	Spare
I2005.2	DI ¹⁰ _{x6:4}	I2005.2	Spare
I2005.3	DI ¹¹ _{x6:2}	I2005.3	Spare
I2005.4	DI ¹² _{x7:4}	I2005.4	Spare
I2005.5	DI ¹³ _{x7:2}	I2005.5	Spare
I2005.6	DI ¹⁴ _{x8:4}	I2005.6	Spare
I2005.7	DI ¹⁵ _{x8:2}	I2005.7	Spare



+ WR1UQ51UQ6.1-W1
 =V1WR1UQ51UQ6+.WR1UQ51UQ6/1.1

-XG1/2
 =V1WR1UQ51BG0/1.1

-XG3/4
 =V1WR1UQ51BG0/1.4

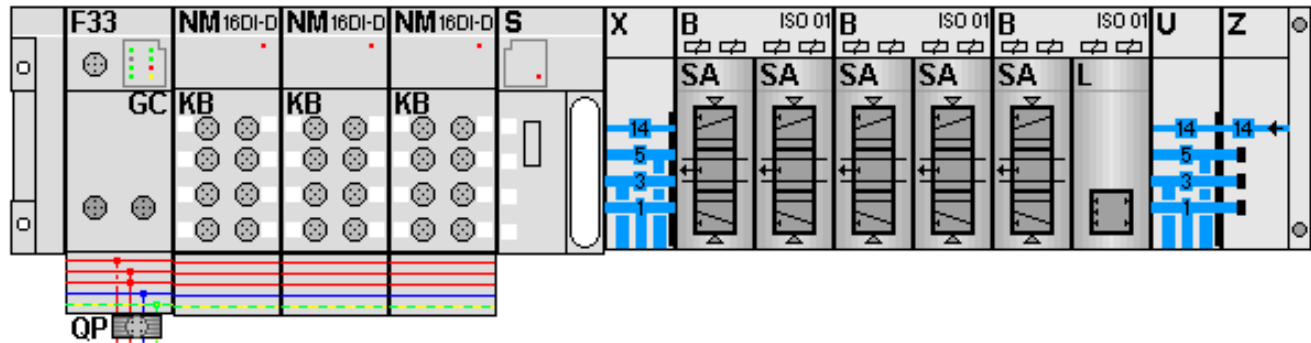
-XG5/6
 =V1WR1UQ51BG0/1.6

-XG7
 =V1WR1UQ51BG0/2.1

			Date	10/21/2022	Volvo Trucks North America			Valiant TMS	I/O MOD. DI16 (8 x M12) FOR VTSA-F	Drawing name:		= V1WR1UQ51KF1
			Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell					= 2V12&EFS-EL	Project nr:	
			Appr		Replacement of			Scale 1:1	Document type:		EFS	Page 3
Modification	Date	Name	Original		Replaced by				EFS			401

-KF1 -KF1.11 -KF1.12 -KF1.13 -KF1.20 -KF1.21 -KF1.22 -KF1.23 -KF1.24

M1 M2 M3



-KF1.21
=V1WR1UQ51UQ1+.WR1UQ51UQ1/1.3
=V1WR1UQ51UQ2+.WR1UQ51UQ2/1.3

FESTO	=V1WR1UQ51UQ1+.WR1UQ51UQ1/1.4	Q2000.0 $\overline{O}^{DD_1.1}$ -QN1.1_Q	Shot Pins 1 (RST)
	=V1WR1UQ51UQ1+.WR1UQ51UQ1/1.4	Q2000.1 $\overline{O}^{DD_1.2}$ -QN1.2_Q	Shot Pins 1 (SET)
	=V1WR1UQ51UQ2+.WR1UQ51UQ2/1.4	Q2000.2 $\overline{O}^{DD_2.1}$ -QN2.1_Q	Shot Pin 2 (RST)
	=V1WR1UQ51UQ2+.WR1UQ51UQ2/1.4	Q2000.3 $\overline{O}^{DD_2.2}$ -QN2.2_Q	Shot Pin 2 (SET)

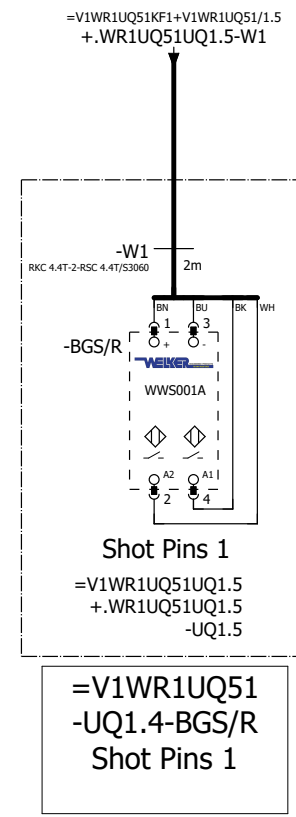
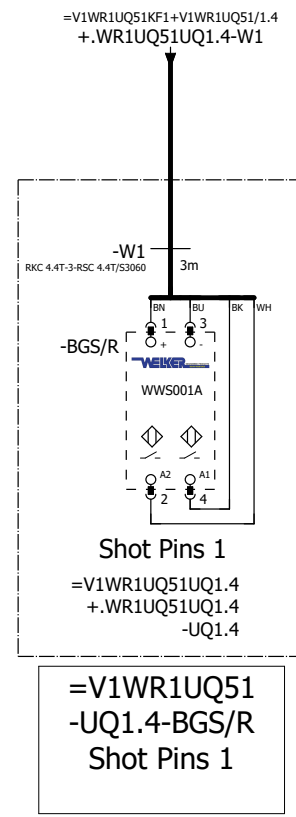
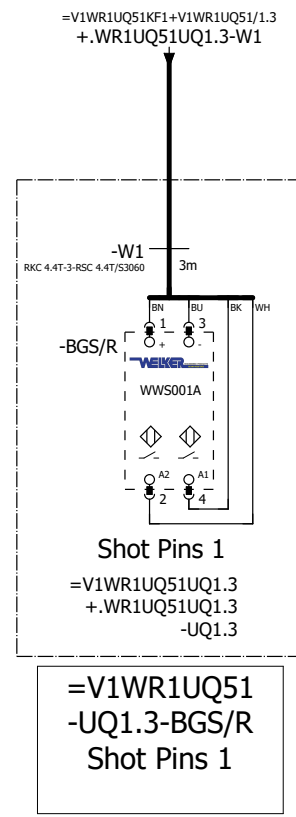
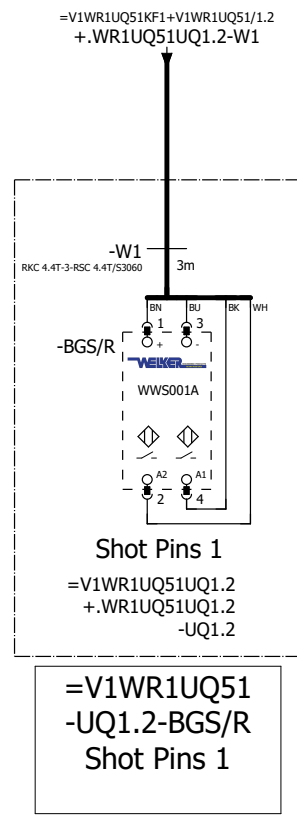
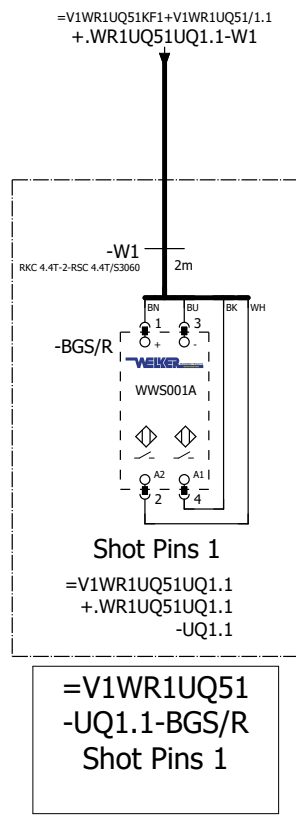
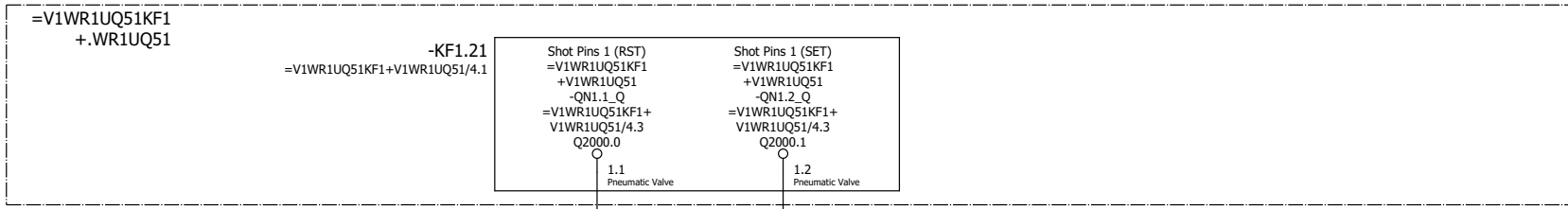
-KF1.22
=V1WR1UQ51UQ3+.WR1UQ51UQ3/1.3
=V1WR1UQ51UQ4+.WR1UQ51UQ4/1.3

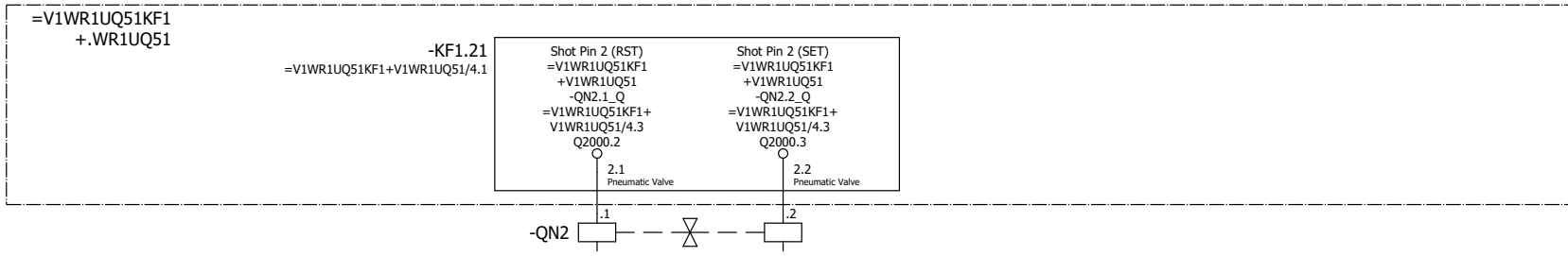
FESTO	=V1WR1UQ51UQ3+.WR1UQ51UQ3/1.4	Q2000.4 $\overline{O}^{DD_3.1}$ -QN3.1_Q	Shot Pin 3 (RST)
	=V1WR1UQ51UQ3+.WR1UQ51UQ3/1.4	Q2000.5 $\overline{O}^{DD_3.2}$ -QN3.2_Q	Shot Pin 3 (SET)
	=V1WR1UQ51UQ4+.WR1UQ51UQ4/1.4	Q2000.6 $\overline{O}^{DD_4.1}$ -QN4.1_Q	Clamps 4 (RST)
	=V1WR1UQ51UQ4+.WR1UQ51UQ4/1.4	Q2000.7 $\overline{O}^{DD_4.2}$ -QN4.2_Q	Clamps 4 (SET)

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=V1WR1UQ51UQ5+.WR1UQ51UQ5/1.3
=V1WR1UQ51UQ6+.WR1UQ51UQ6/1.3

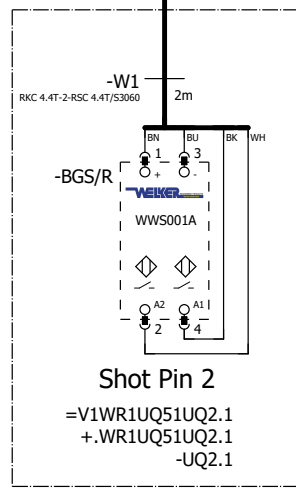
FESTO	=V1WR1UQ51UQ5+.WR1UQ51UQ5/1.4	Q2001.0 $\overline{O}^{DD_5.1}$ -QN5.1_Q	Clamps 5 (RST)
	=V1WR1UQ51UQ5+.WR1UQ51UQ5/1.4	Q2001.1 $\overline{O}^{DD_5.2}$ -QN5.2_Q	Clamps 5 (SET)
	=V1WR1UQ51UQ6+.WR1UQ51UQ6/1.4	Q2001.2 $\overline{O}^{DD_6.1}$ -QN6.1_Q	Clamp 6 (RST)
	=V1WR1UQ51UQ6+.WR1UQ51UQ6/1.4	Q2001.3 $\overline{O}^{DD_6.2}$ -QN6.2_Q	Clamp 6 (SET)

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	CONNECTING MOD. FOR FESTO DQ	Drawing name:	=V1WR1UQ51KF1	
Ed.	MKLEPADLO				=2V12&EFS-EL	+ V1WR1UQ51	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Original		Replacement of	Replaced by	Scale 1:1	EFS	22-16145	
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=V1WR1UQ51KF1+V1WR1UQ51/1.6
+.WR1UQ51UQ2.1-W1

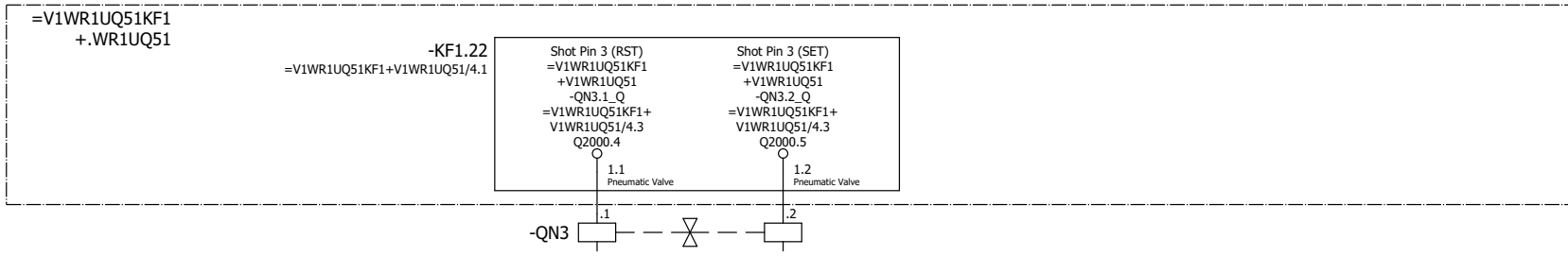


=V1WR1UQ51
-UQ2.1-BGS/R
Shot Pin 2

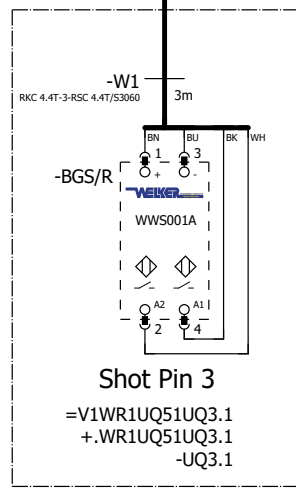
=V1WR1UQ51UQ1+.WR1UQ51UQ1/1

=V1WR1UQ51UQ3+.WR1UQ51UQ3/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN2	Drawing name:	= V1WR1UQ51UQ2	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1WR1UQ51UQ2	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Page 1
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=V1WR1UQ51KF1+V1WR1UQ51/1.8
+.WR1UQ51UQ3.1-W1

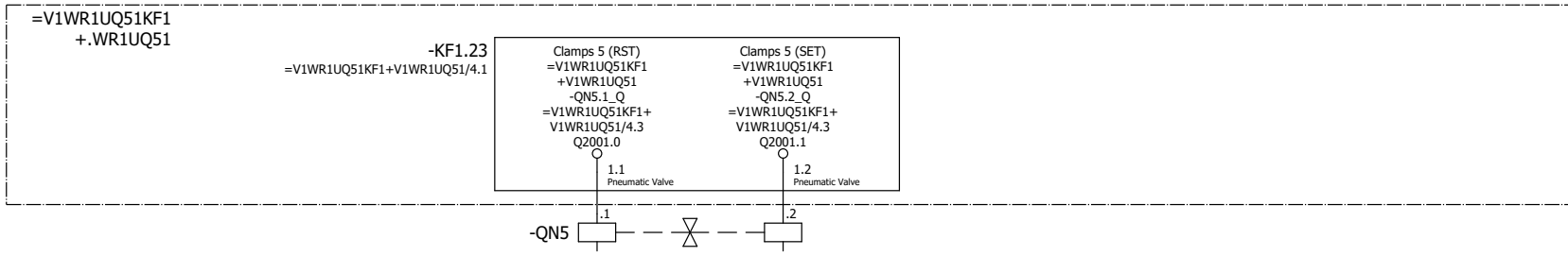


=V1WR1UQ51
-UQ3.1-BGS/R
Shot Pin 3

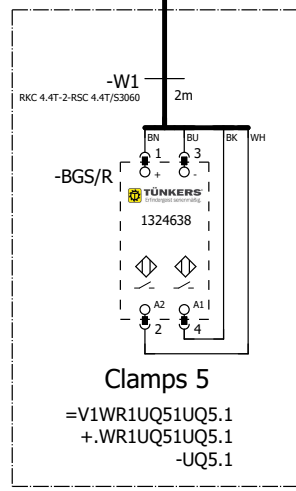
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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN3	Drawing name: =2V12&EFS-EL	= V1WR1UQ51UQ3 + V1WR1UQ51UQ3	
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	
Appr					EFS	22-16145	Page
Modification	Date	Name	Original	Replacement of	Replaced by	Page	401

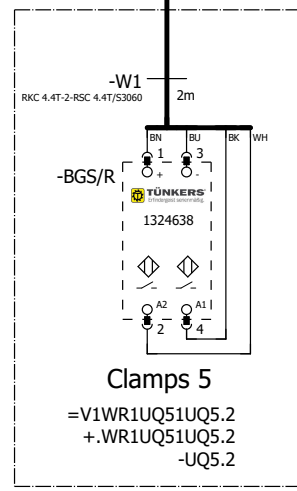


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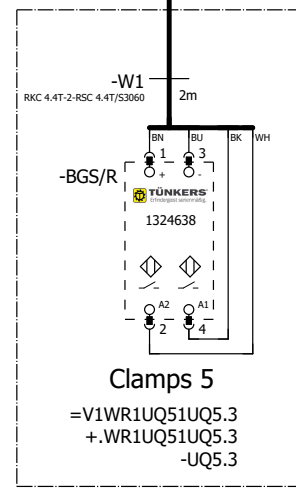
=V1WR1UQ51
-UQ5.1-BGS/R
Clamps 5

=V1WR1UQ51KF1+V1WR1UQ51/2.8
+.WR1UQ51UQ5.2-W1



=V1WR1UQ51
-UQ5.2-BGS/R
Clamps 5

=V1WR1UQ51KF1+V1WR1UQ51/2.9
+.WR1UQ51UQ5.3-W1

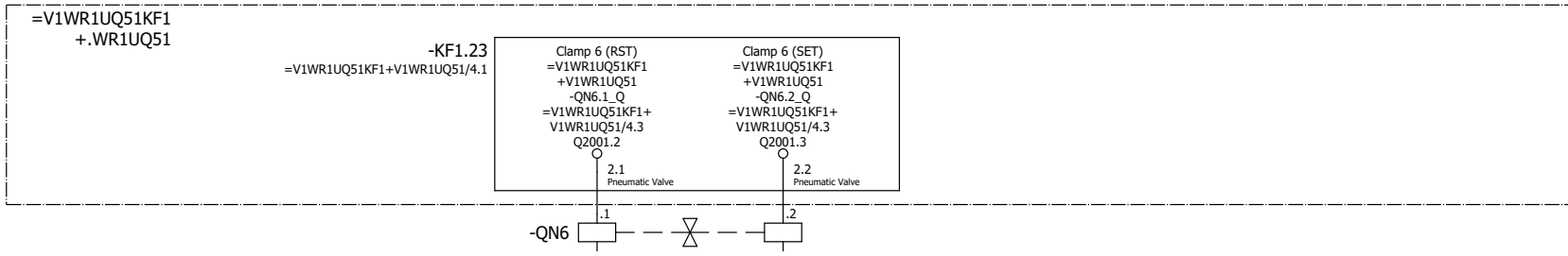


=V1WR1UQ51
-UQ5.3-BGS/R
Clamps 5

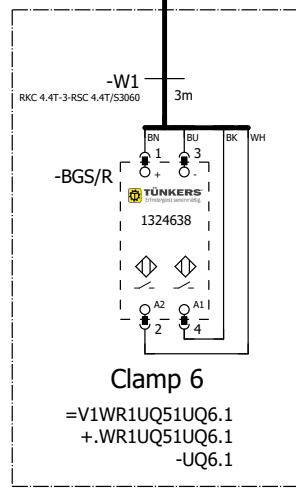
=V1WR1UQ51UQ4+.WR1UQ51UQ4/1

=V1WR1UQ51UQ6+.WR1UQ51UQ6/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN5	Drawing name: =2V12&EFS-EL	= V1WR1UQ51UQ5 + V1WR1UQ51UQ5
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:
Appr					EFS	22-16145
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=V1WR1UQ51KF1+V1WR1UQ51/3.1
+.WR1UQ51UQ6.1-W1

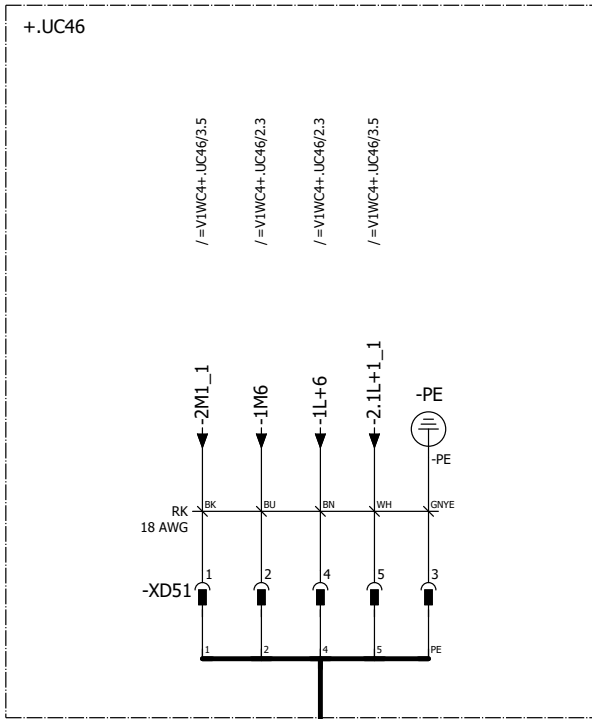


=V1WR1UQ51
-UQ6.1-BGS/R
Clamp 6

=V1WR1UQ51UQ5+.WR1UQ51UQ5/1

=V1WR1UQ51WC4+V1WR1UQ51/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN6	Drawing name: =2V12&EFS-EL	= V1WR1UQ51UQ6 + V1WR1UQ51UQ6	
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	
Appr					EFS	22-16145	Page
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POWER IN / POWER OUT

- Pin 1: 0 V UA
- Pin 2: 0 V US
- Pin 3: FE
- Pin 4: +24 V US / 9 A
- Pin 5: +24 V UA / 9 A

Pin #	WIRE	COLOR
Pin 1	2M1_1	BK
Pin 2	1M6	BU
Pin 3	PE	GNYE
Pin 4	1L+6	BN
Pin 5	2.1L+1_1	WH

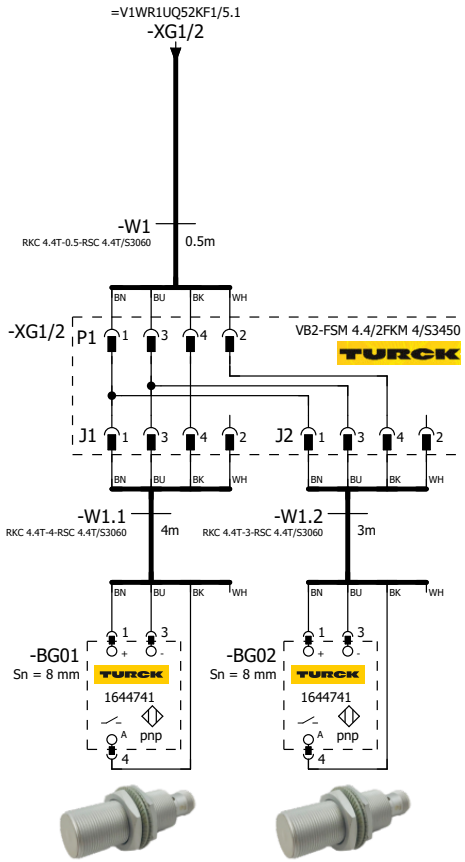
W1

=V1WR1UQ51KF1/1.1

=V1WR1UQ51UQ6+.WR1UQ51UQ6/1

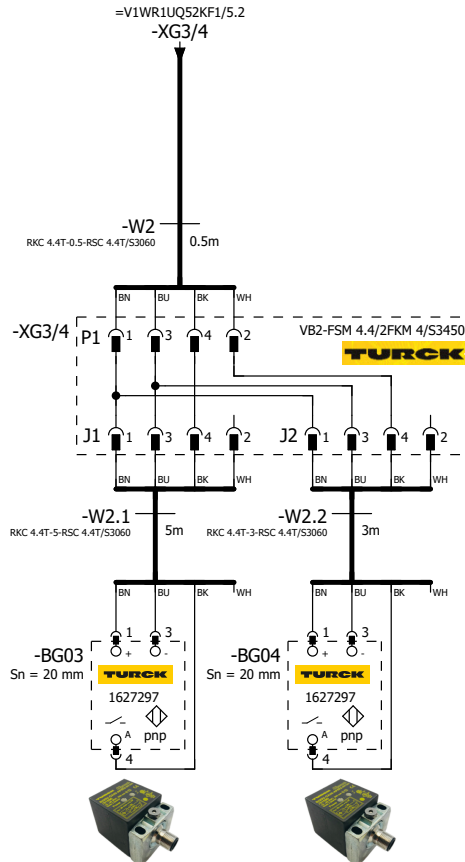
=V1WR1UQ52BG0+.WR1UQ52/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	24VDC	Drawing name:	= V1WR1UQ51WC4	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1WR1UQ51	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
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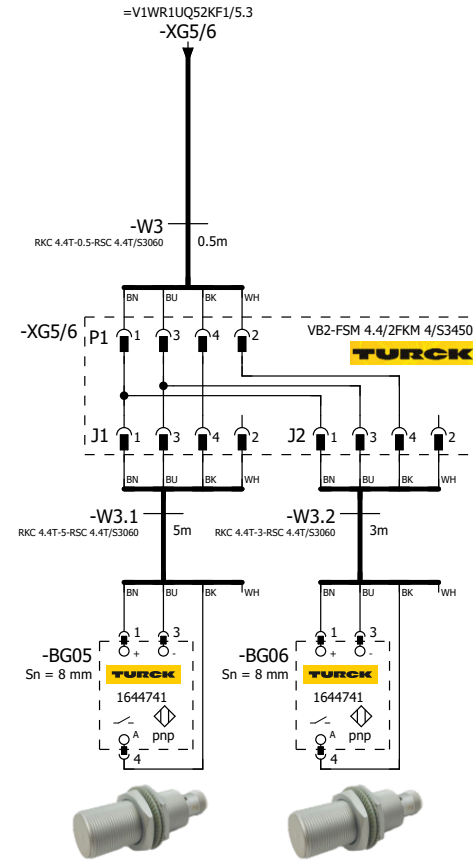
=V1WR1UQ52
-BG01
Baffle RR Header

=V1WR1UQ52
-BG02
Baffle RR Header



=V1WR1UQ52
-BG03
Cross Member

=V1WR1UQ52
-BG04
Cross Member

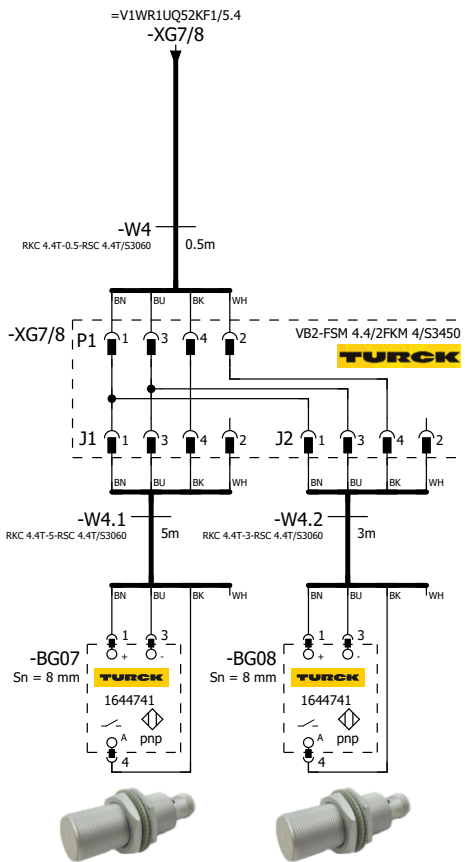


=V1WR1UQ52
-BG05
Tie Plate

=V1WR1UQ52
-BG06
Tie Plate

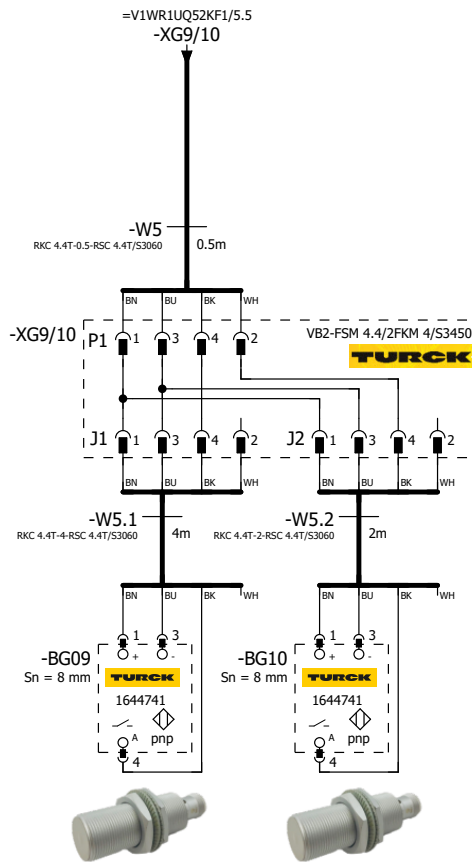
=V1WR1UQ51WC4+.WR1UQ51/1

			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	SENSORS		Drawing name:	= 2V12&EFS-EL	= V1WR1UQ52BG0	
			Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1			+ V1WR1UQ52			
			Appr				Replacement of	Replaced by	Document type:	EFS	Project nr:	22-16145
Modification	Date	Name	Original									401



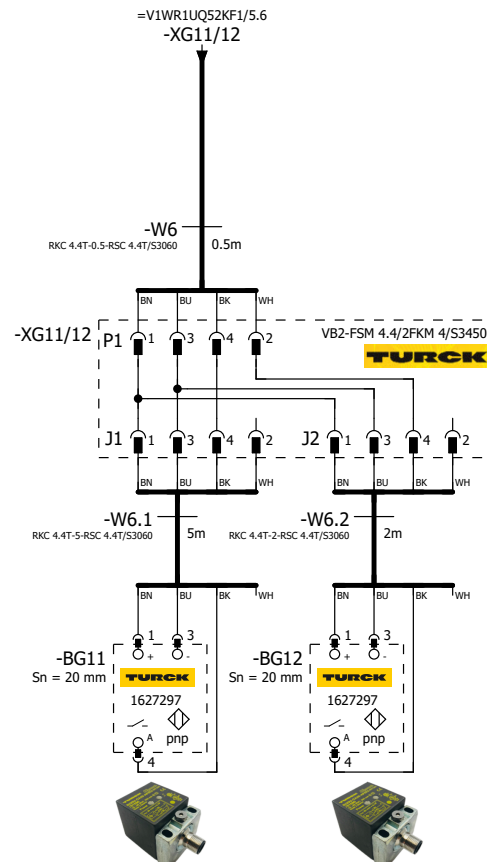
=V1WR1UQ52
-BG07
Tie Plate

=V1WR1UQ52
-BG08
Tie Plate



=V1WR1UQ52
-BG09
Reinf RR Header
LH

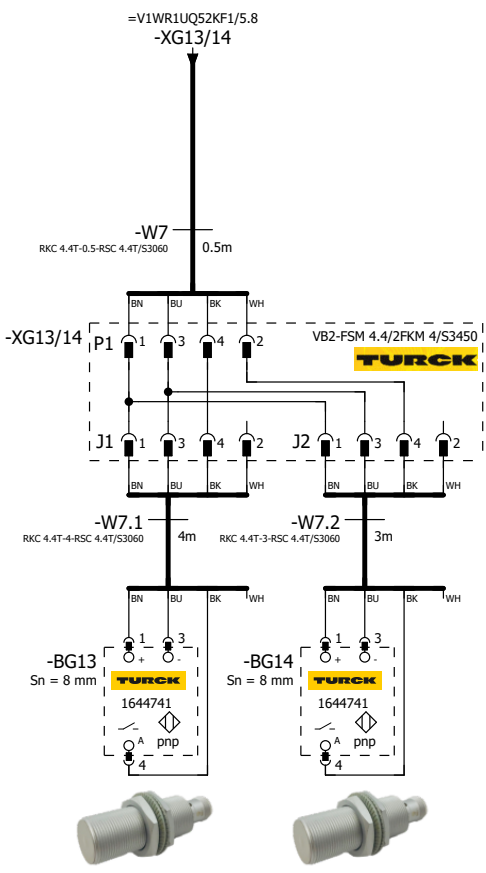
=V1WR1UQ52
-BG10
Reinf RR Header
RH



=V1WR1UQ52
-BG11
Cross Member
Rear

=V1WR1UQ52
-BG12
Cross Member
Rear

			Date	10/21/2022	Volvo Trucks North America		Valiant TMS		SENSORS		Drawing name:		= V1WR1UQ52BG0	
			Ed.	MKLEPADLO							= 2V12&EFS-EL		+ V1WR1UQ52	
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
			Original		Replacement of		Replaced by		Scale 1:1		EFS		22-16145	
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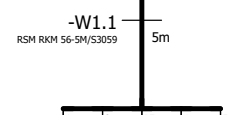
=V1WR1UQ52
-BG13
Reinf RR Header
LH

=V1WR1UQ52
-BG14
Reinf RR Header
LH

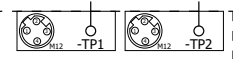
=V1WR1UQ52KF1/1

			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	SENSORS	Drawing name:		= V1WR1UQ52BG0
			Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1WR1UQ52
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of			Replaced by	EFS	22-16145

=V1WR1UQ52WC4/1.5 / W1.1
 =V1KF1+.UC46/102.6 / +.UC46-KF100.46-P4
 KF1-P2 / =V1WR1UQ52KF2/1.3



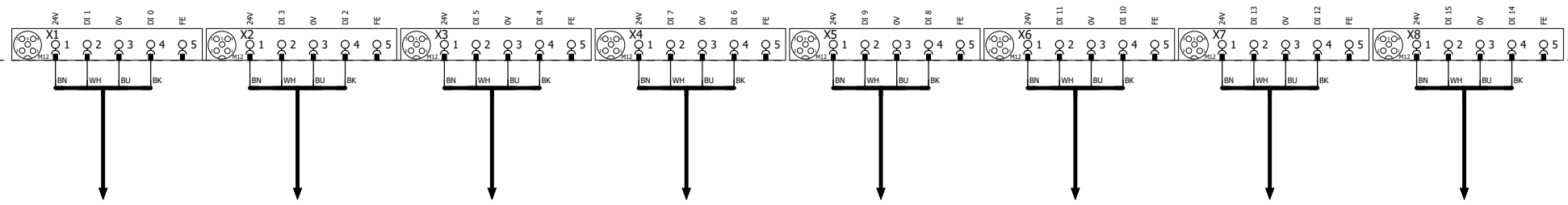
-KF100.46-P4
 PROFINET Cable
 6XV1840-3AH10



I2025.0	DI ₁ x1:4	V1WR1UQ52UQ1.1-BGR	Shot Pins 1 (RESET)
I2025.1	DI ₁ x1:2	V1WR1UQ52UQ1.1-BGS	Shot Pins 1 (SET)
I2025.2	DI ₂ x2:2	V1WR1UQ52UQ1.2-BGR	Shot Pins 1 (RESET)
I2025.3	DI ₃ x2:2	V1WR1UQ52UQ1.2-BGS	Shot Pins 1 (SET)
I2025.4	DI ₄ x3:4	V1WR1UQ52UQ1.3-BGR	Shot Pins 1 (RESET)
I2025.5	DI ₅ x3:2	V1WR1UQ52UQ1.3-BGS	Shot Pins 1 (SET)
I2025.6	DI ₆ x4:4	V1WR1UQ52UQ1.4-BGR	Shot Pins 1 (RESET)
I2025.7	DI ₇ x4:2	V1WR1UQ52UQ1.4-BGS	Shot Pins 1 (SET)
I2026.0	DI ₈ x5:4	V1WR1UQ52UQ2.1-BGR	Cylinders 2 (RESET)
I2026.1	DI ₉ x5:2	V1WR1UQ52UQ2.1-BGS	Cylinders 2 (SET)
I2026.2	DI ₁₀ x6:4	V1WR1UQ52UQ2.2-BGR	Cylinders 2 (RESET)
I2026.3	DI ₁₁ x6:2	V1WR1UQ52UQ2.2-BGS	Cylinders 2 (SET)
I2026.4	DI ₁₂ x7:4	V1WR1UQ52UQ3.1-BGR	Clamps 3 (RESET)
I2026.5	DI ₁₃ x7:2	V1WR1UQ52UQ3.1-BGS	Clamps 3 (SET)
I2026.6	DI ₁₄ x8:4	V1WR1UQ52UQ3.2-BGR	Clamps 3 (RESET)
I2026.7	DI ₁₅ x8:2	V1WR1UQ52UQ3.2-BGS	Clamps 3 (SET)

-KF1
FESTO
 Bus node + Interlinking block
 548755 + 550208

-KF1.11
FESTO
 CPX-M-AB-8-M12X2-5POL
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+ WR1UQ52UQ1.1-W1
 =V1WR1UQ52UQ1+.WR1UQ52UQ1/1.1

+ WR1UQ52UQ1.2-W1
 =V1WR1UQ52UQ1+.WR1UQ52UQ1/1.2

+ WR1UQ52UQ1.3-W1
 =V1WR1UQ52UQ1+.WR1UQ52UQ1/1.4

+ WR1UQ52UQ1.4-W1
 =V1WR1UQ52UQ1+.WR1UQ52UQ1/1.5

+ WR1UQ52UQ2.1-W1
 =V1WR1UQ52UQ2+.WR1UQ52UQ2/1.1

+ WR1UQ52UQ2.2-W1
 =V1WR1UQ52UQ2+.WR1UQ52UQ2/1.2

+ WR1UQ52UQ3.1-W1
 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.1

+ WR1UQ52UQ3.2-W1
 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.2

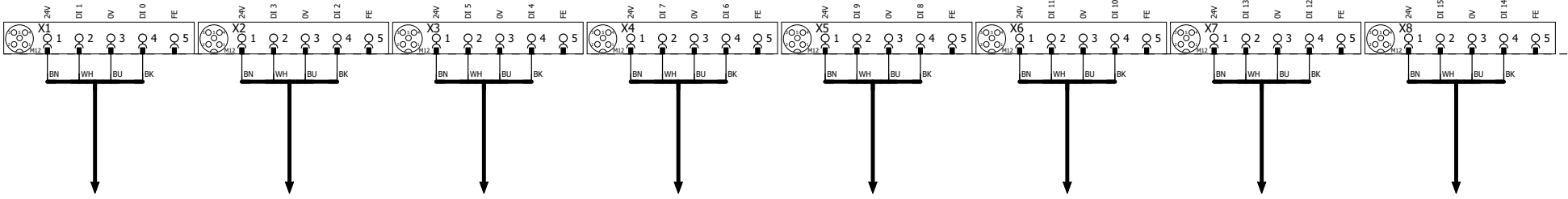
=V1WR1UQ52BG0/3

Date		10/21/2022		Volvo Trucks North America		Valiant TMS		CONNECTING MOD. FOR VTSA MANIFOLD		Drawing name:		= V1WR1UQ52KF1	
Ed.		MKLEPADLO								= 2V12&EFS-EL		+ V1WR1UQ52	
Appr				P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
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-KF1.12 **FESTO**
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- I2027.0 $\circ_{DI1-x1:4}$ V1WR1UQ52UQ3.3-BGR Clamps 3 (RESET)
- I2027.1 $\circ_{DI1-x1:2}$ V1WR1UQ52UQ3.3-BGS Clamps 3 (SET)
- I2027.2 $\circ_{DI2-x2:4}$ V1WR1UQ52UQ3.4-BGR Clamps 3 (RESET)
- I2027.3 $\circ_{DI3-x2:2}$ V1WR1UQ52UQ3.4-BGS Clamps 3 (SET)
- I2027.4 $\circ_{DI4-x3:4}$ V1WR1UQ52UQ3.5-BGR Clamps 3 (RESET)
- I2027.5 $\circ_{DI5-x3:2}$ V1WR1UQ52UQ3.5-BGS Clamps 3 (SET)
- I2027.6 $\circ_{DI6-x4:4}$ V1WR1UQ52UQ3.6-BGR Clamps 3 (RESET)
- I2027.7 $\circ_{DI7-x4:2}$ V1WR1UQ52UQ3.6-BGS Clamps 3 (SET)
- I2028.0 $\circ_{DI8-x5:4}$ V1WR1UQ52UQ4.1-BGR Clamps 4 (RESET)
- I2028.1 $\circ_{DI9-x5:2}$ V1WR1UQ52UQ4.1-BGS Clamps 4 (SET)
- I2028.2 $\circ_{DI10-x6:4}$ V1WR1UQ52UQ4.2-BGR Clamps 4 (RESET)
- I2028.3 $\circ_{DI11-x6:2}$ V1WR1UQ52UQ4.2-BGS Clamps 4 (SET)
- I2028.4 $\circ_{DI12-x7:4}$ V1WR1UQ52UQ4.3-BGR Clamps 4 (RESET)
- I2028.5 $\circ_{DI13-x7:2}$ V1WR1UQ52UQ4.3-BGS Clamps 4 (SET)
- I2028.6 $\circ_{DI14-x8:4}$ V1WR1UQ52UQ4.4-BGR Clamps 4 (RESET)
- I2028.7 $\circ_{DI15-x8:2}$ V1WR1UQ52UQ4.4-BGS Clamps 4 (SET)



+ WR1UQ52UQ3.3-W1
 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.4

+ WR1UQ52UQ3.4-W1
 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.5

+ WR1UQ52UQ3.5-W1
 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.7

+ WR1UQ52UQ3.6-W1
 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.9

+ WR1UQ52UQ4.1-W1
 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.1

+ WR1UQ52UQ4.2-W1
 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.2

+ WR1UQ52UQ4.3-W1
 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.4

+ WR1UQ52UQ4.4-W1
 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.5

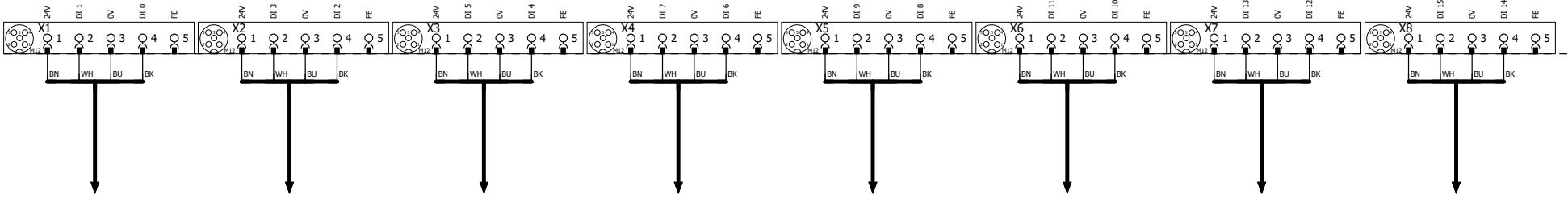
			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	I/O MOD. DI16 (8 x M12) FOR VTSA-F	Drawing name:		= V1WR1UQ52KF1
			Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1WR1UQ52
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
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-KF1.13

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- I2029.0 $\text{O}_{DI1-x1:4}$ V1WR1UQ52UQ4.5-BGR Clamps 4 (RESET)
- I2029.1 $\text{O}_{DI1-x1:2}$ V1WR1UQ52UQ4.5-BGS Clamps 4 (SET)
- I2029.2 $\text{O}_{DI2-x2:4}$ V1WR1UQ52UQ4.6-BGR Clamps 4 (RESET)
- I2029.3 $\text{O}_{DI3-x2:2}$ V1WR1UQ52UQ4.6-BGS Clamps 4 (SET)
- I2029.4 $\text{O}_{DI4-x3:4}$ V1WR1UQ52UQ5.1-BGR Clamps 5 (RESET)
- I2029.5 $\text{O}_{DI5-x3:2}$ V1WR1UQ52UQ5.1-BGS Clamps 5 (SET)
- I2029.6 $\text{O}_{DI6-x4:4}$ V1WR1UQ52UQ5.2-BGR Clamps 5 (RESET)
- I2029.7 $\text{O}_{DI7-x4:2}$ V1WR1UQ52UQ5.2-BGS Clamps 5 (SET)
- I2030.0 $\text{O}_{DI8-x5:4}$ V1WR1UQ52UQ5.3-BGR Clamps 5 (RESET)
- I2030.1 $\text{O}_{DI9-x5:2}$ V1WR1UQ52UQ5.3-BGS Clamps 5 (SET)
- I2030.2 $\text{O}_{DI10-x6:4}$ V1WR1UQ52UQ5.4-BGR Clamps 5 (RESET)
- I2030.3 $\text{O}_{DI11-x6:2}$ V1WR1UQ52UQ5.4-BGS Clamps 5 (SET)
- I2030.4 $\text{O}_{DI12-x7:4}$ V1WR1UQ52UQ6.1-BGR Clamps 6 (RESET)
- I2030.5 $\text{O}_{DI13-x7:2}$ V1WR1UQ52UQ6.1-BGS Clamps 6 (SET)
- I2030.6 $\text{O}_{DI14-x8:4}$ V1WR1UQ52UQ6.2-BGR Clamps 6 (RESET)
- I2030.7 $\text{O}_{DI15-x8:2}$ V1WR1UQ52UQ6.2-BGS Clamps 6 (SET)



+. WR1UQ52UQ4.5-W1
 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.7

+. WR1UQ52UQ4.6-W1
 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.9

+. WR1UQ52UQ5.1-W1
 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.1

+. WR1UQ52UQ5.2-W1
 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.2

+. WR1UQ52UQ5.3-W1
 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.4

+. WR1UQ52UQ5.4-W1
 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.5

+. WR1UQ52UQ6.1-W1
 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.1

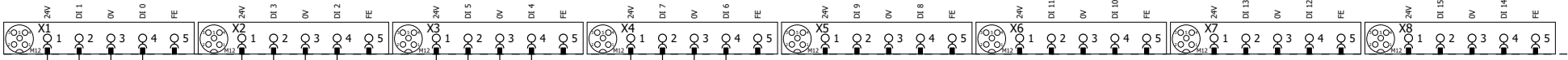
+. WR1UQ52UQ6.2-W1
 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.2

			Date 10/21/2022	Volvo Trucks North America		Valiant TMS	I/O MOD. DI16 (8 x M12) FOR VTSA-F	Drawing name: = 2V12&EFS-EL	= V1WR1UQ52KF1 + V1WR1UQ52	
			Ed. MKLEPADLO					Document type: EFS	Project nr: 22-16145	Page 3
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I2031.0	DI ⁰ _{x1:4}	V1WR1UQ52UQ6.3-BGR	Clamps 6 (RESET)
I2031.1	DI ¹ _{x1:2}	V1WR1UQ52UQ6.3-BGS	Clamps 6 (SET)
I2031.2	DI ² _{x2:4}	V1WR1UQ52UQ6.4-BGR	Clamps 6 (RESET)
I2031.3	DI ³ _{x2:2}	V1WR1UQ52UQ6.4-BGS	Clamps 6 (SET)
I2031.4	DI ⁴ _{x3:4}	V1WR1UQ52UQ7.1-BGR	Clamps 7 (RESET)
I2031.5	DI ⁵ _{x3:2}	V1WR1UQ52UQ7.1-BGS	Clamps 7 (SET)
I2031.6	DI ⁶ _{x4:4}	V1WR1UQ52UQ7.2-BGR	Clamps 7 (RESET)
I2031.7	DI ⁷ _{x4:2}	V1WR1UQ52UQ7.2-BGS	Clamps 7 (SET)
I2032.0	DI ⁸ _{x5:4}	I2032.0	Spare
I2032.1	DI ⁹ _{x5:2}	I2032.1	Spare
I2032.2	DI ¹⁰ _{x6:4}	I2032.2	Spare
I2032.3	DI ¹¹ _{x6:2}	I2032.3	Spare
I2032.4	DI ¹² _{x7:4}	I2032.4	Spare
I2032.5	DI ¹³ _{x7:2}	I2032.5	Spare
I2032.6	DI ¹⁴ _{x8:4}	I2032.6	Spare
I2032.7	DI ¹⁵ _{x8:2}	I2032.7	Spare

-KF1.14
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+ WR1UQ52UQ6.3-W1
 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.4

+ WR1UQ52UQ6.4-W1
 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.5

+ WR1UQ52UQ7.1-W1
 =V1WR1UQ52UQ7+.WR1UQ52UQ7/1.1

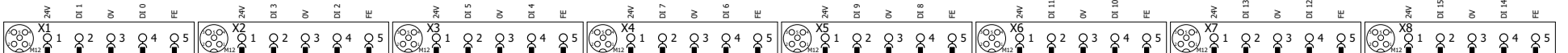
+ WR1UQ52UQ7.2-W1
 =V1WR1UQ52UQ7+.WR1UQ52UQ7/1.2

			Date	10/21/2022	Volvo Trucks North America		Valiant TMS	I/O MOD. DI16 (8 x M12) FOR VTSA-F	Drawing name:		= V1WR1UQ52KF1
			Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1WR1UQ52
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
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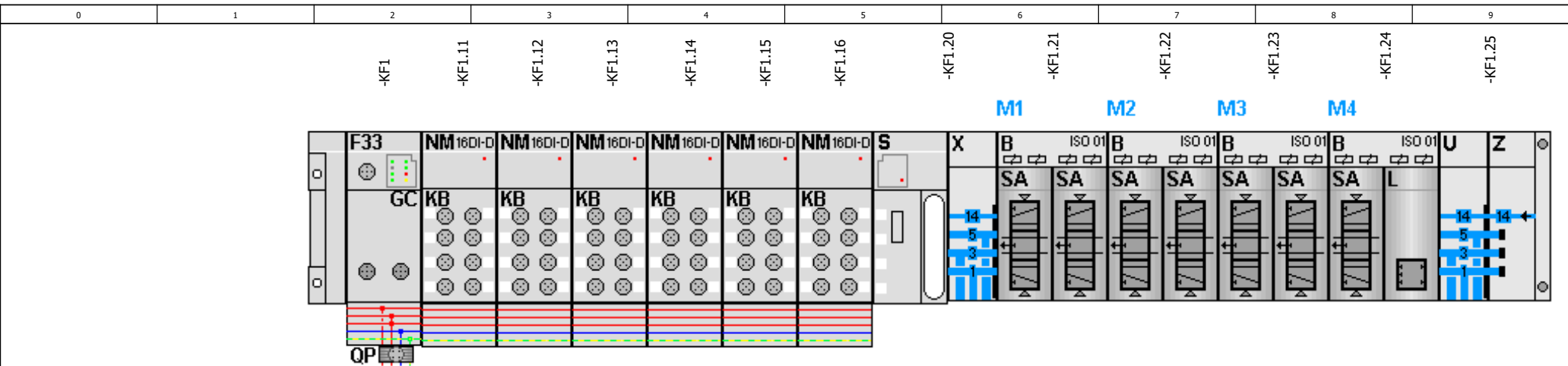
-KF1.16 **FESTO**
 CPX-M-AB-8-M12X2-5POL
 549335



I2035.0	DI ⁰ _{x1:4}	I2035.0	Spare
I2035.1	DI ¹ _{x1:2}	I2035.1	Spare
I2035.2	DI ² _{x2:2}	I2035.2	Spare
I2035.3	DI ³ _{x2:2}	I2035.3	Spare
I2035.4	DI ⁴ _{x3:4}	I2035.4	Spare
I2035.5	DI ⁵ _{x3:2}	I2035.5	Spare
I2035.6	DI ⁶ _{x4:4}	I2035.6	Spare
I2035.7	DI ⁷ _{x4:2}	I2035.7	Spare
I2036.0	DI ⁸ _{x5:4}	I2036.0	Spare
I2036.1	DI ⁹ _{x5:2}	I2036.1	Spare
I2036.2	DI ¹⁰ _{x6:4}	I2036.2	Spare
I2036.3	DI ¹¹ _{x6:2}	I2036.3	Spare
I2036.4	DI ¹² _{x7:4}	I2036.4	Spare
I2036.5	DI ¹³ _{x7:2}	I2036.5	Spare
I2036.6	DI ¹⁴ _{x8:4}	I2036.6	Spare
I2036.7	DI ¹⁵ _{x8:2}	I2036.7	Spare



		Date	10/21/2022	Volvo Trucks North America		Valiant TMS	I/O MOD. DI16 (8 x M12) FOR VTSA-F	Drawing name:		= V1WR1UQ52KF1
		Ed.	MKLEPADLO					= 2V12&EFS-EL		+ V1WR1UQ52
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by		EFS		22-16145	6
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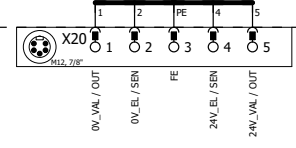
-KF1.21 =V1WR1UQ52UQ1+.WR1UQ52UQ1/1.3 =V1WR1UQ52UQ2+.WR1UQ52UQ2/1.3	FESTO	=V1WR1UQ52UQ1+.WR1UQ52UQ1/1.4 =V1WR1UQ52UQ1+.WR1UQ52UQ1/1.4	Q2025.0 $\overline{O}^{DD}_{1.1}$ -QN1.1_Q	Shot Pins 1 (RST)
			Q2025.1 $\overline{O}^{DD}_{1.2}$ -QN1.2_Q	Shot Pins 1 (SET)
-KF1.22 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.3 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.3	FESTO	=V1WR1UQ52UQ2+.WR1UQ52UQ2/1.4 =V1WR1UQ52UQ2+.WR1UQ52UQ2/1.4	Q2025.2 $\overline{O}^{DD}_{2.1}$ -QN2.1_Q	Cylinders 2 (RST)
			Q2025.3 $\overline{O}^{DD}_{2.2}$ -QN2.2_Q	Cylinders 2 (SET)
-KF1.23 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.3 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.3	FESTO	=V1WR1UQ52UQ3+.WR1UQ52UQ3/1.4 =V1WR1UQ52UQ3+.WR1UQ52UQ3/1.4	Q2025.4 $\overline{O}^{DD}_{3.1}$ -QN3.1_Q	Clamps 3 (RST)
			Q2025.5 $\overline{O}^{DD}_{3.2}$ -QN3.2_Q	Clamps 3 (SET)
-KF1.24 =V1WR1UQ52UQ7+.WR1UQ52UQ7/1.3	FESTO	=V1WR1UQ52UQ4+.WR1UQ52UQ4/1.4 =V1WR1UQ52UQ4+.WR1UQ52UQ4/1.4	Q2025.6 $\overline{O}^{DD}_{4.1}$ -QN4.1_Q	Clamps 4 (RST)
			Q2025.7 $\overline{O}^{DD}_{4.2}$ -QN4.2_Q	Clamps 4 (SET)
-KF1.23 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.3 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.3	FESTO	=V1WR1UQ52UQ5+.WR1UQ52UQ5/1.4 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.4	Q2026.0 $\overline{O}^{DD}_{5.1}$ -QN5.1_Q	Clamps 5 (RST)
			Q2026.1 $\overline{O}^{DD}_{5.2}$ -QN5.2_Q	Clamps 5 (SET)
-KF1.23 =V1WR1UQ52UQ5+.WR1UQ52UQ5/1.3 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.3	FESTO	=V1WR1UQ52UQ6+.WR1UQ52UQ6/1.4 =V1WR1UQ52UQ6+.WR1UQ52UQ6/1.4	Q2026.2 $\overline{O}^{DD}_{6.1}$ -QN6.1_Q	Clamps 6 (RST)
			Q2026.3 $\overline{O}^{DD}_{6.2}$ -QN6.2_Q	Clamps 6 (SET)
-KF1.24 =V1WR1UQ52UQ7+.WR1UQ52UQ7/1.3	FESTO	=V1WR1UQ52UQ7+.WR1UQ52UQ7/1.4 =V1WR1UQ52UQ7+.WR1UQ52UQ7/1.4	Q2026.4 $\overline{O}^{DD}_{7.1}$ -QN7.1_Q	Clamps 7 (RST)
			Q2026.5 $\overline{O}^{DD}_{7.2}$ -QN7.2_Q	Clamps 7 (SET)
-KF1.24 =V1WR1UQ52UQ7+.WR1UQ52UQ7/1.3	FESTO	=V1WR1UQ52UQ7+.WR1UQ52UQ7/1.4 =V1WR1UQ52UQ7+.WR1UQ52UQ7/1.4	Q2026.6 $\overline{O}^{DD}_{8.1}$ -QN8.1_Q	Clamps 8 (RST)
			Q2026.7 $\overline{O}^{DD}_{8.2}$ -QN8.2_Q	Clamps 8 (SET)

=V1WR1UQ52WC4/1.6 / W1.2

=V1WR1UQ52KF1/1.4 / -KF1-P2

-W1.2
RSM RKM 56-15M/S3059
15m

-KF1-TP1
PROFINET Cable
6XV1840-3AH10



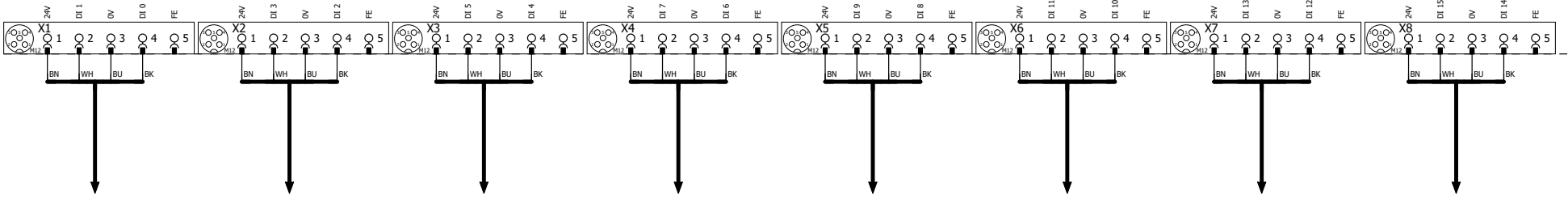
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I2037.1	$\text{O}^{\text{DI}_1}_{\text{x1:2}}$	V1WR1UQ52UQ8.1-BGS	Clamps 8 (SET)
I2037.2	$\text{O}^{\text{DI}_2}_{\text{x2:4}}$	V1WR1UQ52UQ8.2-BGR	Clamps 8 (RESET)
I2037.3	$\text{O}^{\text{DI}_3}_{\text{x2:2}}$	V1WR1UQ52UQ8.2-BGS	Clamps 8 (SET)
I2037.4	$\text{O}^{\text{DI}_4}_{\text{x3:4}}$	V1WR1UQ52UQ9.1-BGR	Clamps 9 (RESET)
I2037.5	$\text{O}^{\text{DI}_5}_{\text{x3:2}}$	V1WR1UQ52UQ9.1-BGS	Clamps 9 (SET)
I2037.6	$\text{O}^{\text{DI}_6}_{\text{x4:4}}$	V1WR1UQ52UQ9.2-BGR	Clamps 9 (RESET)
I2037.7	$\text{O}^{\text{DI}_7}_{\text{x4:2}}$	V1WR1UQ52UQ9.2-BGS	Clamps 9 (SET)
I2038.0	$\text{O}^{\text{DI}_8}_{\text{x5:4}}$	V1WR1UQ52UQ10.1-BGR	Clamps 10 (RESET)
I2038.1	$\text{O}^{\text{DI}_9}_{\text{x5:2}}$	V1WR1UQ52UQ10.1-BGS	Clamps 10 (SET)
I2038.2	$\text{O}^{\text{DI}_{10}}_{\text{x6:4}}$	V1WR1UQ52UQ10.2-BGR	Clamps 10 (RESET)
I2038.3	$\text{O}^{\text{DI}_{11}}_{\text{x6:2}}$	V1WR1UQ52UQ10.2-BGS	Clamps 10 (SET)
I2038.4	$\text{O}^{\text{DI}_{12}}_{\text{x7:4}}$	V1WR1UQ52UQ11.1-BGR	Shot Pins 11 (RESET)
I2038.5	$\text{O}^{\text{DI}_{13}}_{\text{x7:2}}$	V1WR1UQ52UQ11.1-BGS	Shot Pins 11 (SET)
I2038.6	$\text{O}^{\text{DI}_{14}}_{\text{x8:4}}$	V1WR1UQ52UQ11.2-BGR	Shot Pins 11 (RESET)
I2038.7	$\text{O}^{\text{DI}_{15}}_{\text{x8:2}}$	V1WR1UQ52UQ11.2-BGS	Shot Pins 11 (SET)

-KF2

FESTO
Bus node + Interlinking block
548755 + 550208

-KF2.11

FESTO
CPX-M-AB-8-M12X2-5POL
549335



+ . WR1UQ52UQ8.1-W1
=V1WR1UQ52UQ8+.WR1UQ52UQ8/1.1

+ . WR1UQ52UQ8.2-W1
=V1WR1UQ52UQ8+.WR1UQ52UQ8/1.2

+ . WR1UQ52UQ9.1-W1
=V1WR1UQ52UQ9+.WR1UQ52UQ9/1.1

+ . WR1UQ52UQ9.2-W1
=V1WR1UQ52UQ9+.WR1UQ52UQ9/1.2

+ . WR1UQ52UQ10.1-W1
=V1WR1UQ52UQ10+.WR1UQ52UQ10/1.1

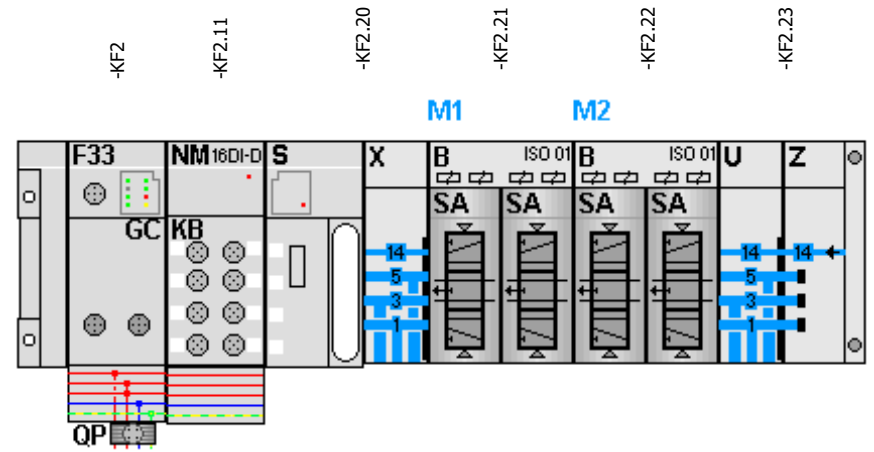
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+ . WR1UQ52UQ11.1-W1
=V1WR1UQ52UQ11+.WR1UQ52UQ11/1.1

+ . WR1UQ52UQ11.2-W1
=V1WR1UQ52UQ11+.WR1UQ52UQ11/1.2

=V1WR1UQ52KF1/7

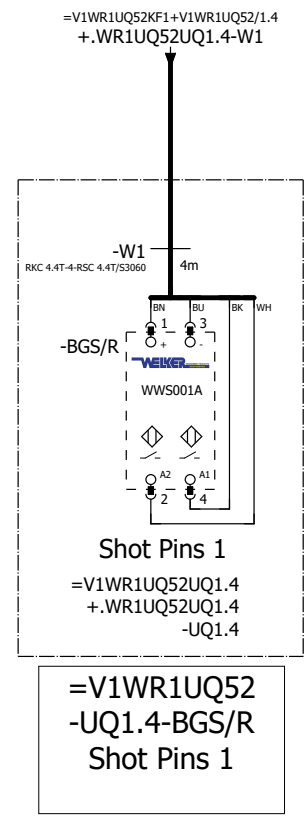
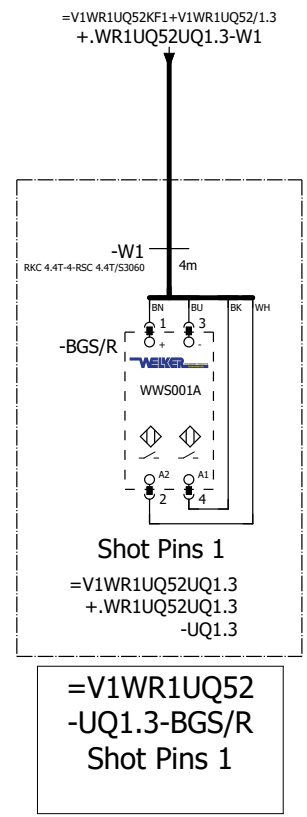
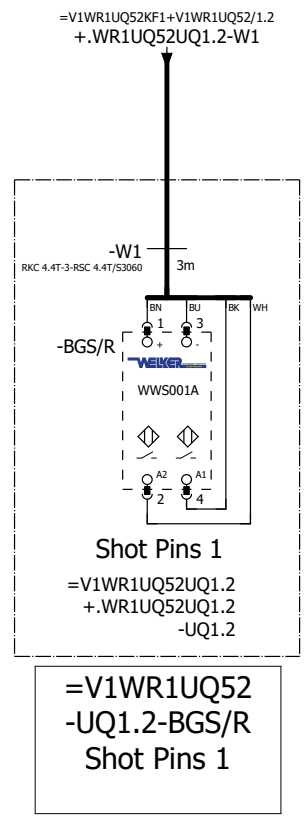
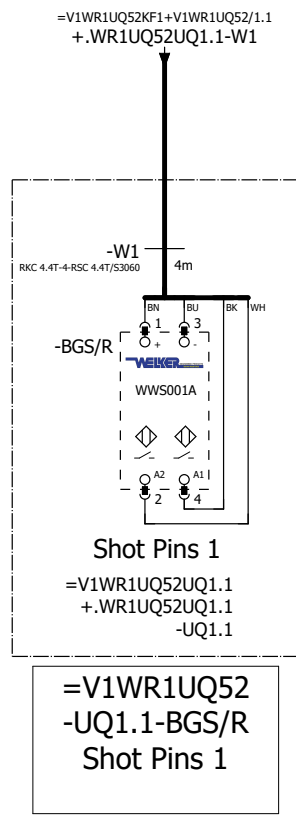
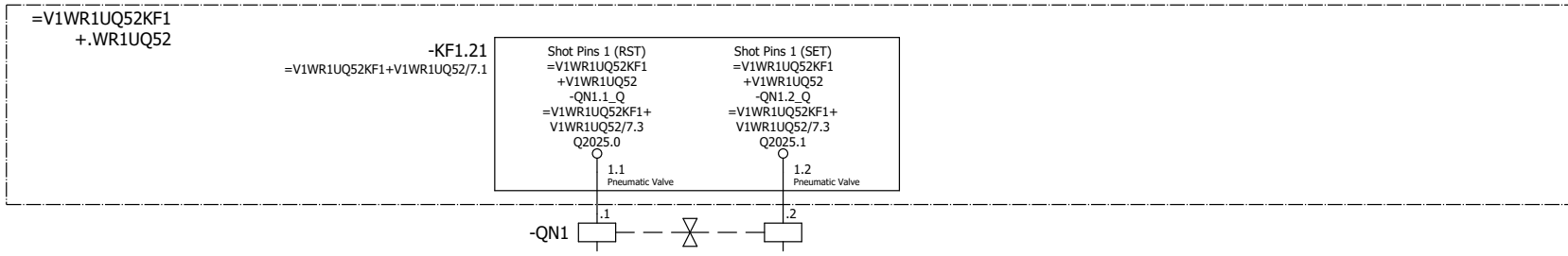
Date		10/21/2022	Volvo Trucks North America		Valiant TMS	CONNECTING MOD. FOR VTSA MANIFOLD	Drawing name:		= V1WR1UQ52KF2
Ed.		MKLEPADLO					= 2V12&EFS-EL		+ V1WR1UQ52
Appr			P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:1	Document type:		EFS	Page 1
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-KF2.21 =V1WR1UQ52UQ8+.WR1UQ52UQ8/1.3 =V1WR1UQ52UQ9+.WR1UQ52UQ9/1.3	FESTO	=V1WR1UQ52UQ8+.WR1UQ52UQ8/1.4	Q2027.0 O ^{DO} _{1.1}	-QN8.1_Q	Clamps 8 (RST)
		=V1WR1UQ52UQ8+.WR1UQ52UQ8/1.4	Q2027.1 O ^{DO} _{1.2}	-QN8.2_Q	Clamps 8 (SET)
		=V1WR1UQ52UQ9+.WR1UQ52UQ9/1.4	Q2027.2 O ^{DO} _{2.1}	-QN9.1_Q	Clamps 9 (RST)
		=V1WR1UQ52UQ9+.WR1UQ52UQ9/1.4	Q2027.3 O ^{DO} _{2.2}	-QN9.2_Q	Clamps 9 (SET)
-KF2.22 =V1WR1UQ52UQ10+.WR1UQ52UQ10/1.3 =V1WR1UQ52UQ11+.WR1UQ52UQ11/1.3	FESTO	=V1WR1UQ52UQ10+.WR1UQ52UQ10/1.4	Q2027.4 O ^{DO} _{1.1}	-QN10.1_Q	Clamps 10 (RST)
		=V1WR1UQ52UQ10+.WR1UQ52UQ10/1.4	Q2027.5 O ^{DO} _{1.2}	-QN10.2_Q	Clamps 10 (SET)
		=V1WR1UQ52UQ11+.WR1UQ52UQ11/1.4	Q2027.6 O ^{DO} _{2.1}	-QN11.1_Q	Shot Pins 11 (RST)
		=V1WR1UQ52UQ11+.WR1UQ52UQ11/1.4	Q2027.7 O ^{DO} _{2.2}	-QN11.2_Q	Shot Pins 11 (SET)

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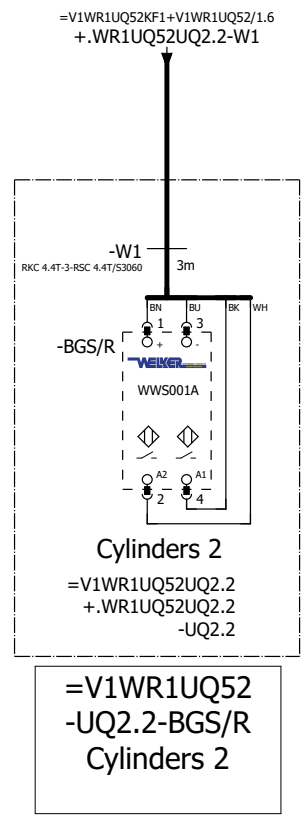
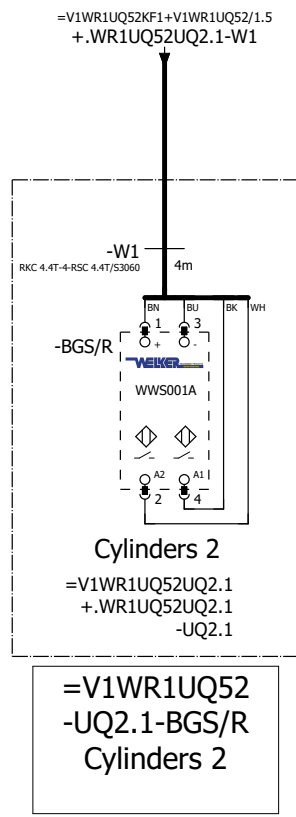
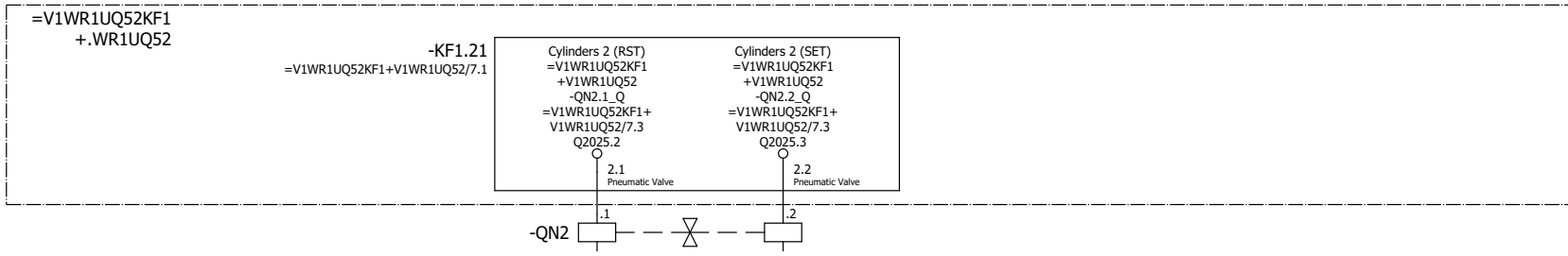
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		Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1WR1UQ52
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
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=V1WR1UQ52KF2+V1WR1UQ52/2

=V1WR1UQ52UQ2+.WR1UQ52UQ2/1

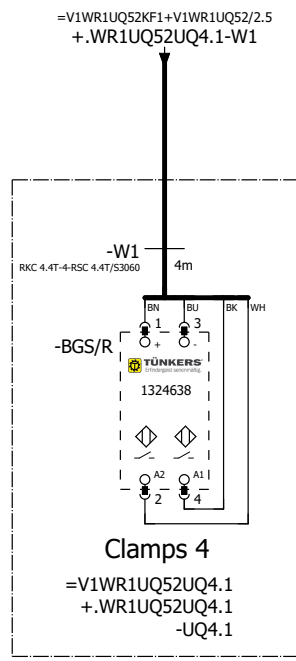
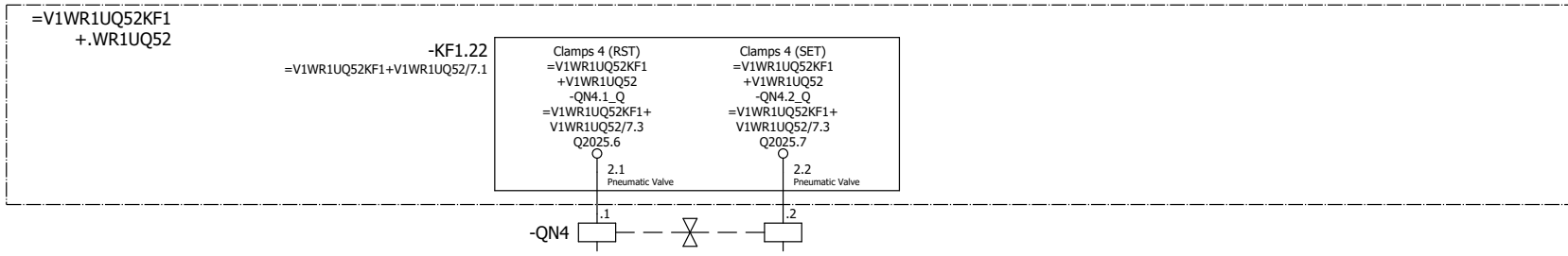
			Date 10/21/2022	Volvo Trucks North America		Valiant TMS	FESTO DQ CONNECTION QN1	Drawing name: =2V12&EFS-EL	= V1WR1UQ52UQ1 + V1WR1UQ52UQ1	
			Ed. MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell				Document type: EFS	Project nr: 22-16145	Page 1
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1				401



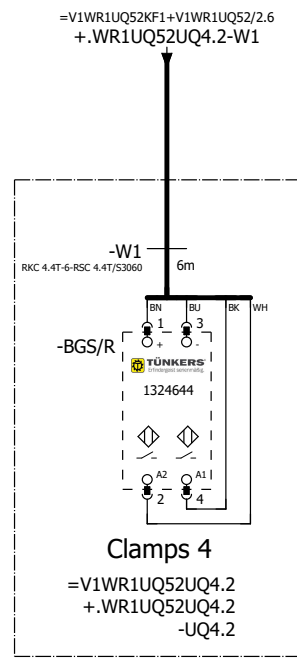
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=V1WR1UQ52UQ3+.WR1UQ52UQ3/1

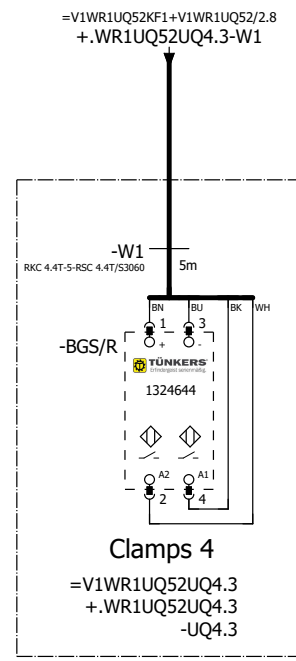
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Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1WR1UQ52UQ2
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Original		Replacement of	Replaced by	Scale 1:1	EFS	22-16145
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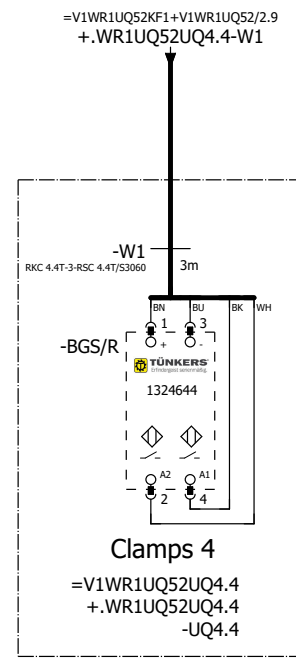
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-UQ4.1-BGS/R
Clamps 4



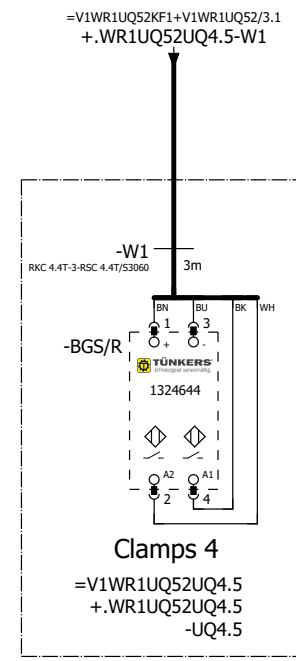
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-UQ4.2-BGS/R
Clamps 4



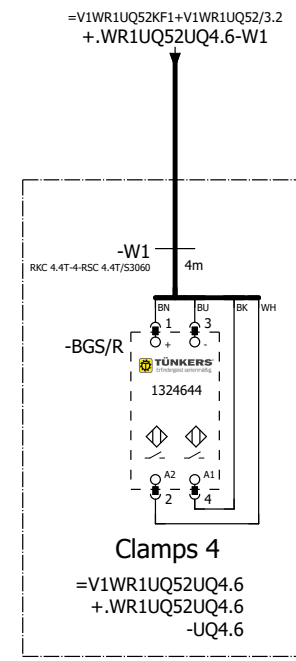
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-UQ4.3-BGS/R
Clamps 4



=V1WR1UQ52
-UQ4.4-BGS/R
Clamps 4



=V1WR1UQ52
-UQ4.5-BGS/R
Clamps 4

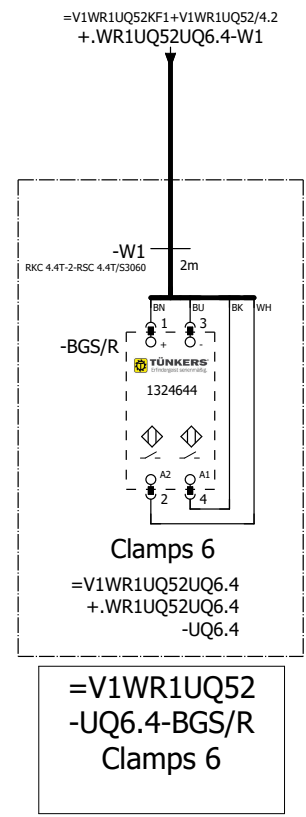
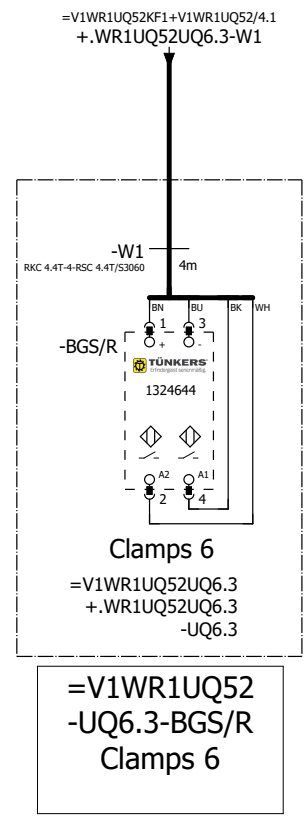
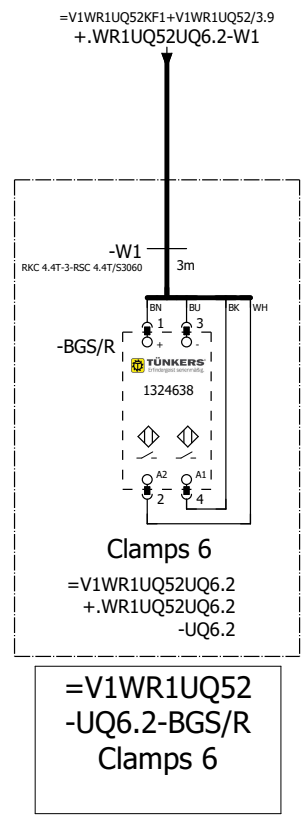
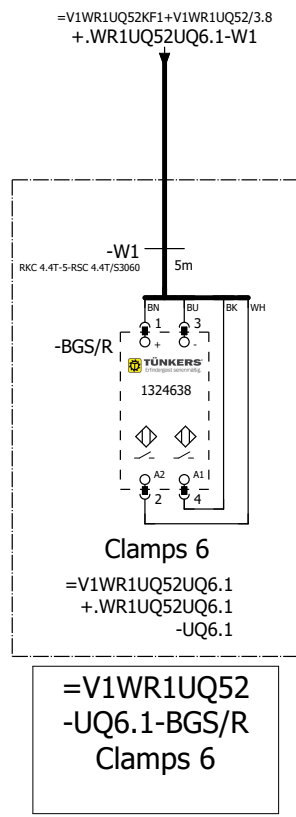
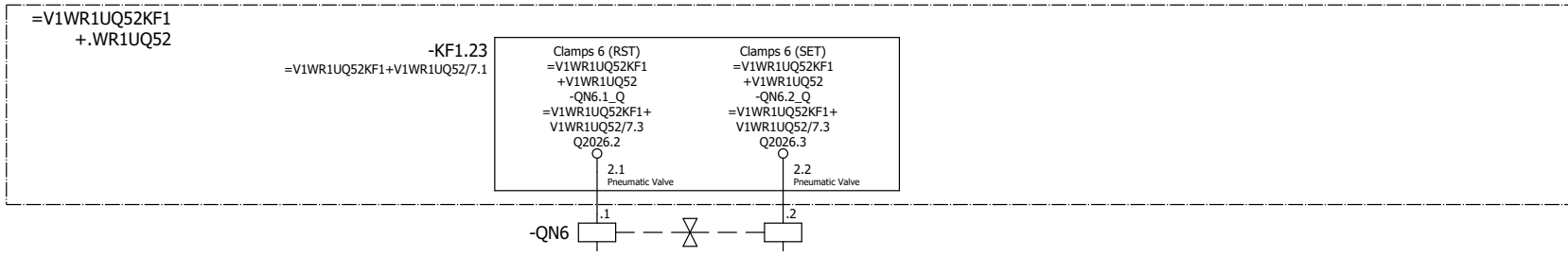


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-UQ4.6-BGS/R
Clamps 4

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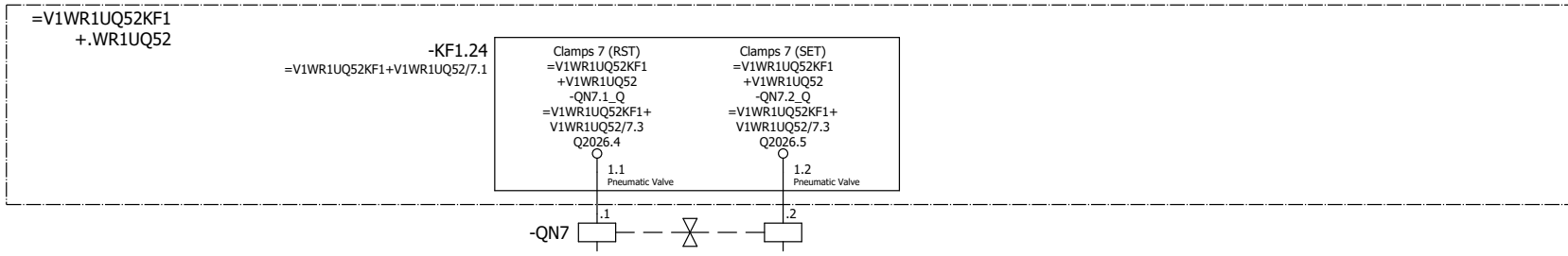
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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN4	Drawing name:	= V1WR1UQ52UQ4	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1WR1UQ52UQ4	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Page 1
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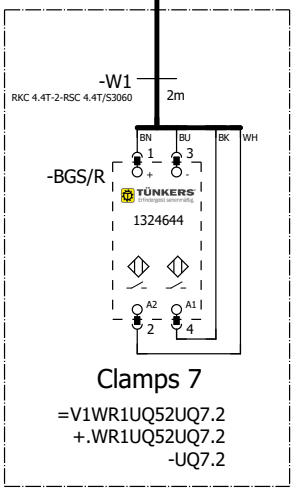
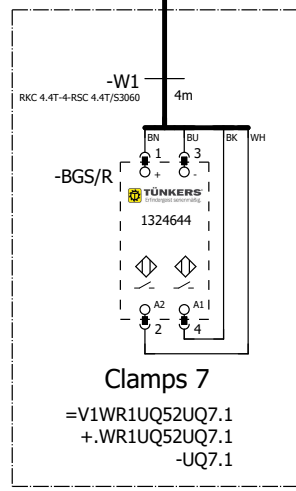
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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN6	Drawing name:	= V1WR1UQ52UQ6	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1WR1UQ52UQ6	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Page 1
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=V1WR1UQ52KF1+V1WR1UQ52/4.3
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=V1WR1UQ52KF1+V1WR1UQ52/4.4
+.WR1UQ52UQ7.2-W1



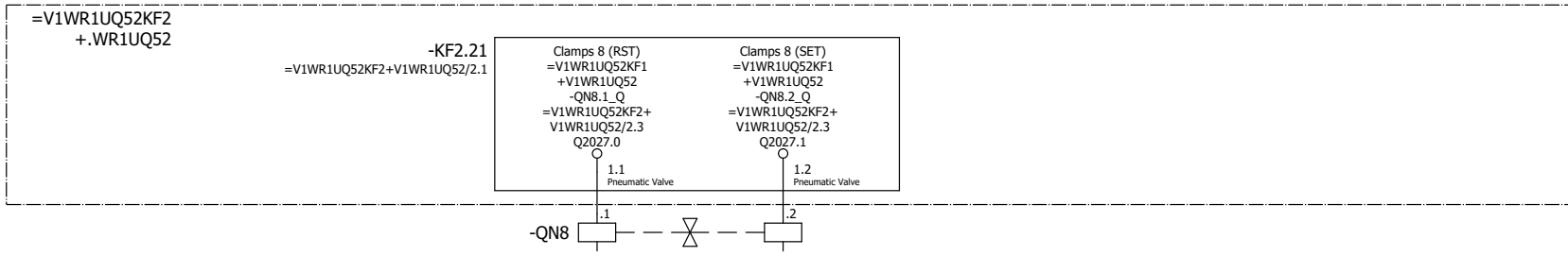
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-UQ7.1-BGS/R
Clamps 7

=V1WR1UQ52
-UQ7.2-BGS/R
Clamps 7

=V1WR1UQ52UQ6+.WR1UQ52UQ6/1

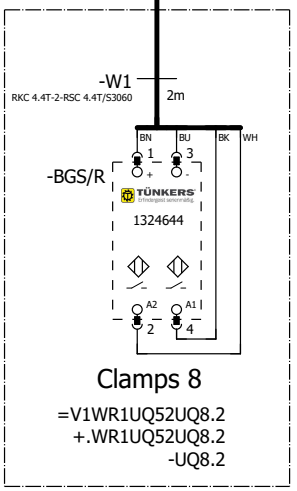
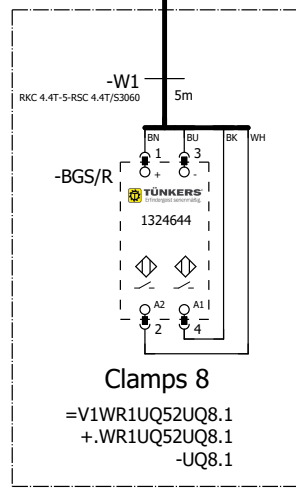
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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN7	Drawing name: =2V12&EFS-EL	= V1WR1UQ52UQ7 + V1WR1UQ52UQ7	
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	
Appr					EFS	22-16145	Page
Modification	Date	Name	Original	Replacement of	Replaced by	Page	401



=V1WR1UQ52KF2+V1WR1UQ52/1.1
+.WR1UQ52UQ8.1-W1

=V1WR1UQ52KF2+V1WR1UQ52/1.2
+.WR1UQ52UQ8.2-W1



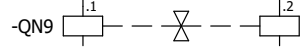
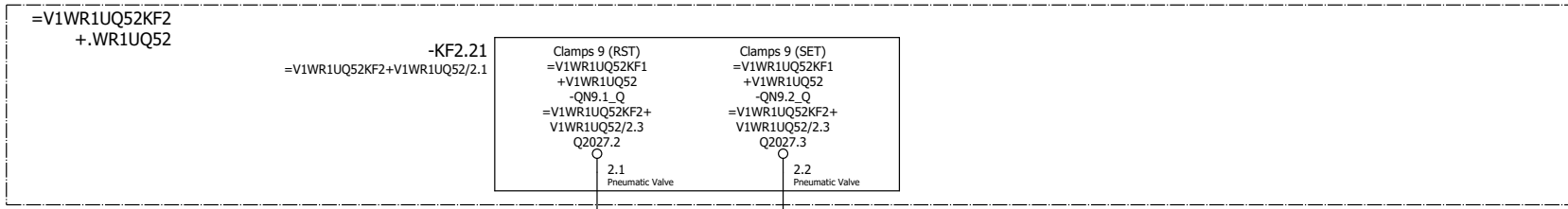
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-UQ8.1-BGS/R
Clamps 8

=V1WR1UQ52
-UQ8.2-BGS/R
Clamps 8

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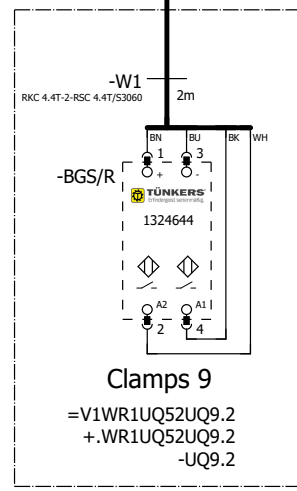
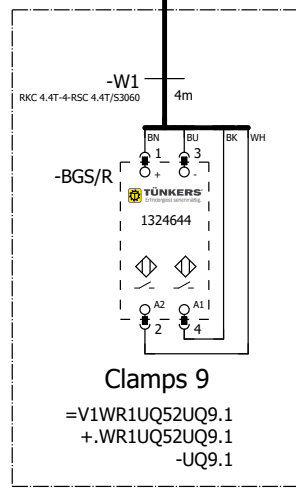
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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN8	Drawing name:	= V1WR1UQ52UQ8	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1WR1UQ52UQ8	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Page 1
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=V1WR1UQ52KF2+V1WR1UQ52/1.3
+ .WR1UQ52UQ9.1-W1

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+ .WR1UQ52UQ9.2-W1



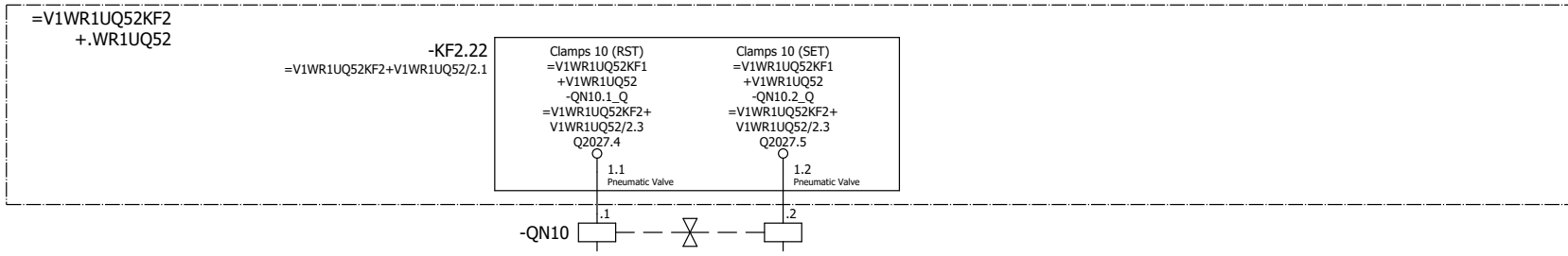
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-UQ9.1-BGS/R
Clamps 9

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-UQ9.2-BGS/R
Clamps 9

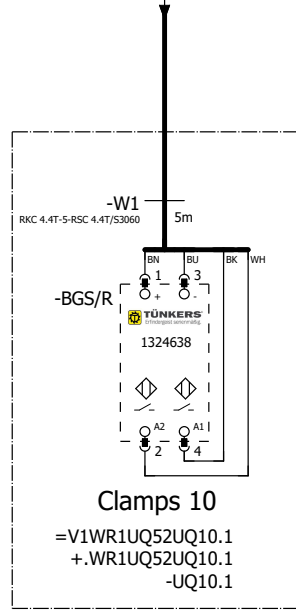
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			Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN9	Drawing name:		= V1WR1UQ52UQ9
			Ed.	MKLEPADLO				= 2V12&EFS-EL		+ V1WR1UQ52UQ9
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1	Document type:	Project nr:	Page	1
Modification	Date	Name	Original		Replacement of		Replaced by	EFS	22-16145	

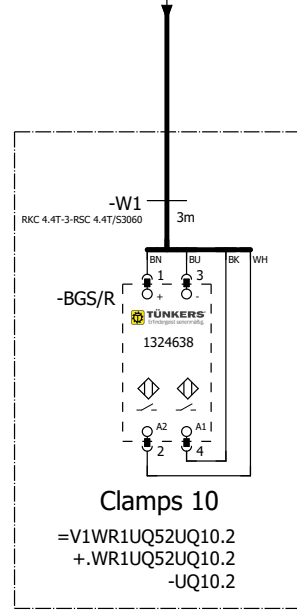


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+.WR1UQ52UQ10.1-W1



=V1WR1UQ52
-UQ10.1-BGS/R
Clamps 10

=V1WR1UQ52KF2+V1WR1UQ52/1.6
+.WR1UQ52UQ10.2-W1

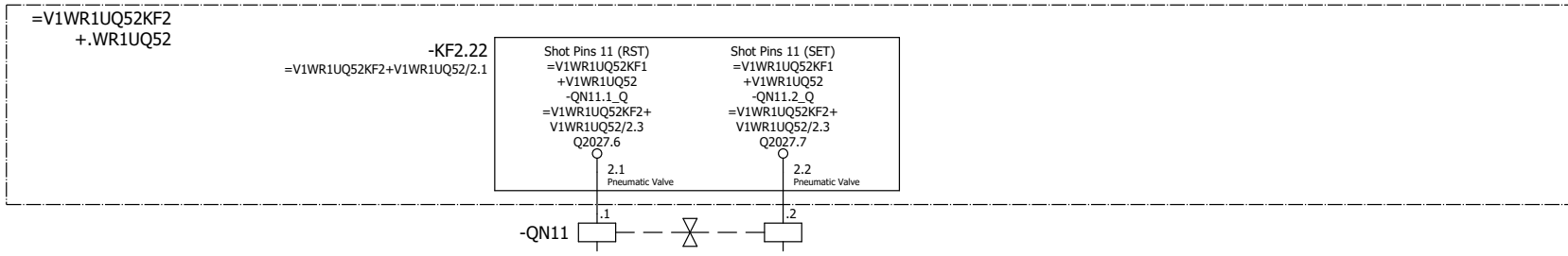


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Clamps 10

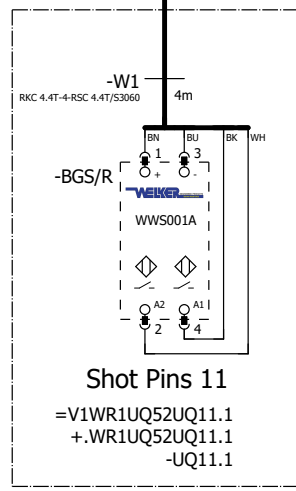
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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN10	Drawing name: =2V12&EFS-EL	= V1WR1UQ52UQ10 + V1WR1UQ52UQ10	
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	
Appr					EFS	22-16145	Page
Modification	Date	Name	Original	Replacement of	Replaced by	Page	401

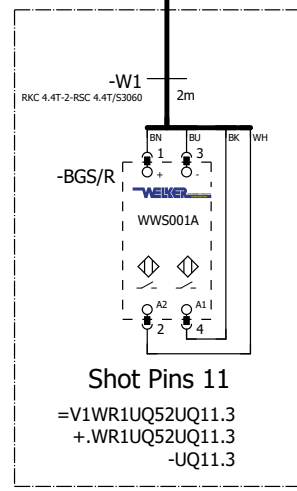


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=V1WR1UQ52
-UQ11.1-BGS/R
Shot Pins 11

=V1WR1UQ52KF2+V1WR1UQ52/1.9
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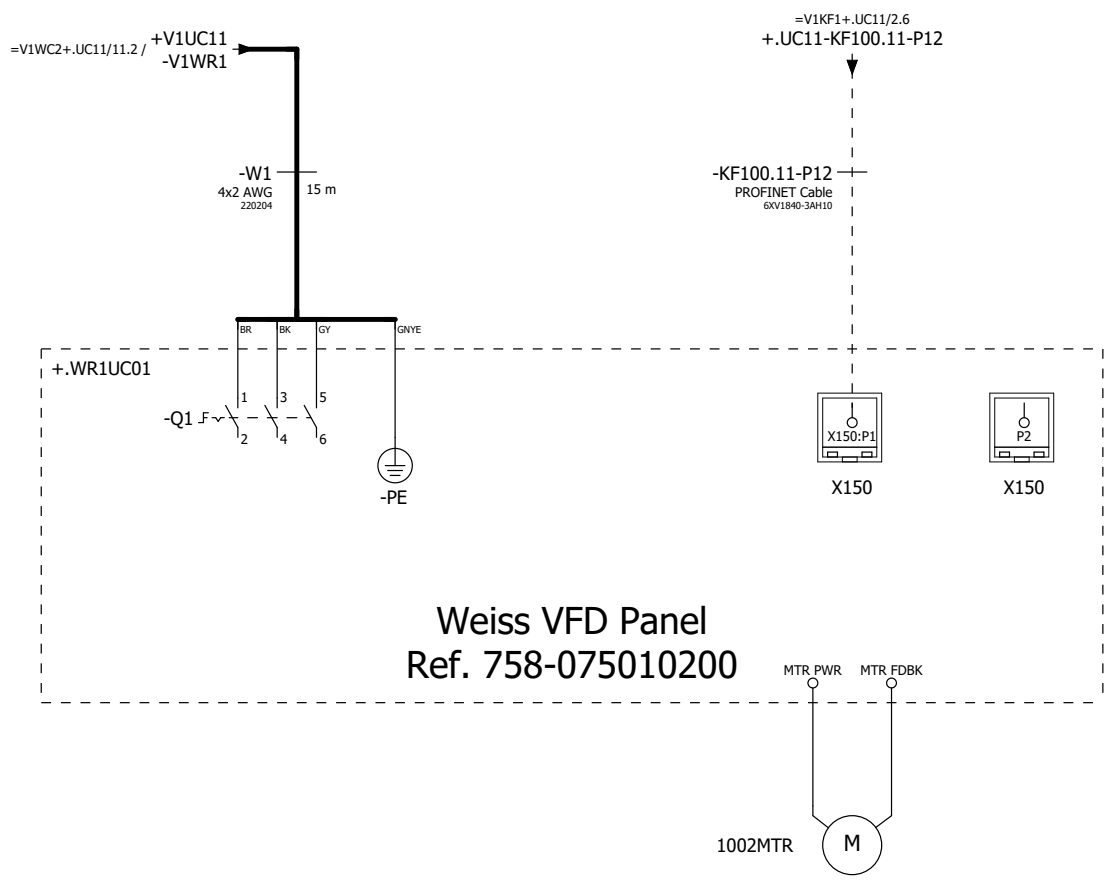


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-UQ11.3-BGS/R
Shot Pins 11

=V1WR1UQ52UQ10+.WR1UQ52UQ10/1

=V1WR1UQ52WC4+V1WR1UQ52/1

Date	10/21/2022	Volvo Trucks North America	Valiant TMS	FESTO DQ CONNECTION QN11	Drawing name:	= V1WR1UQ52UQ11	
Ed.	MKLEPADLO				= 2V12&EFS-EL	+ V1WR1UQ52UQ11	
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Page 1
							401

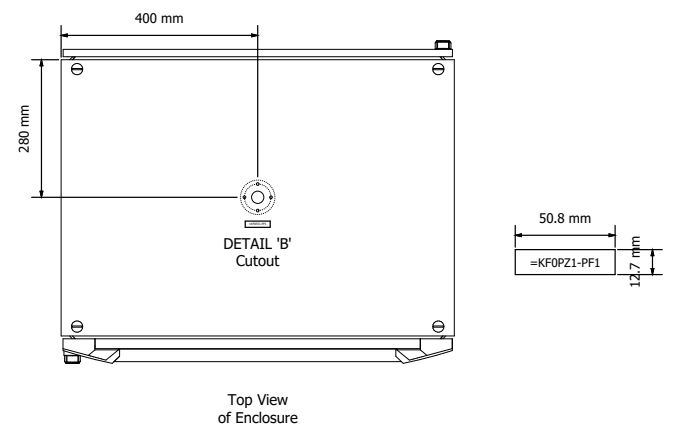
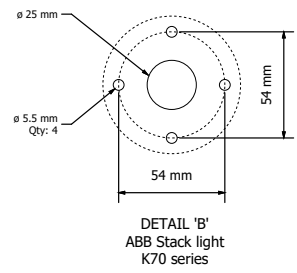
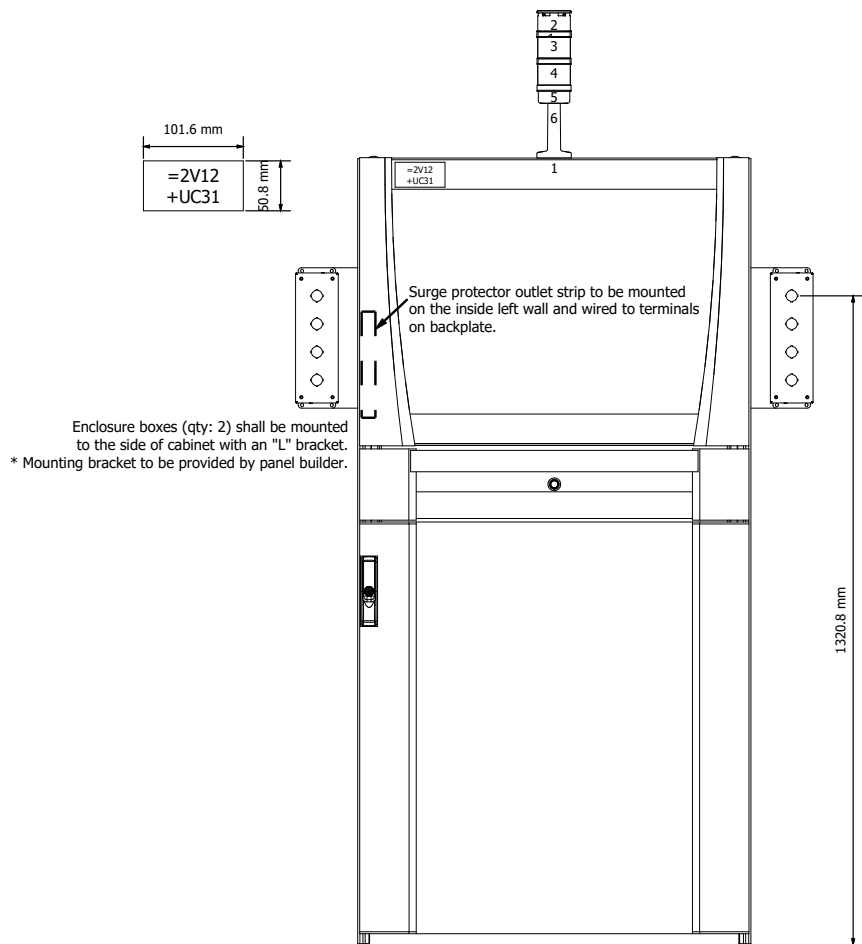


Weiss VFD Panel
Ref. 758-075010200

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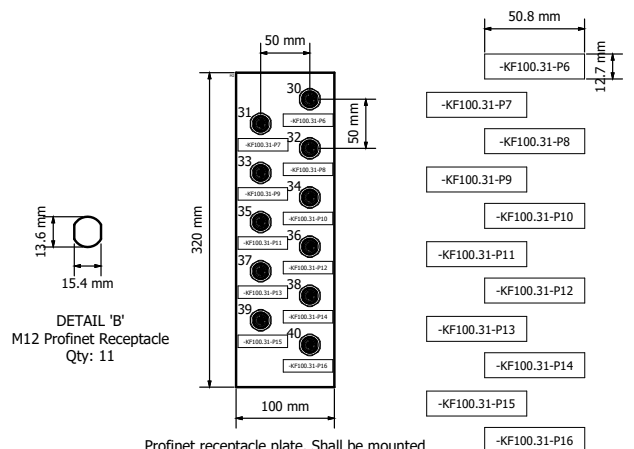
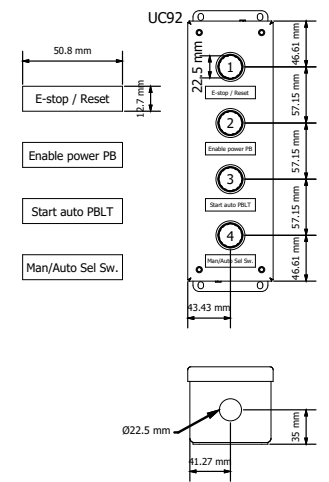
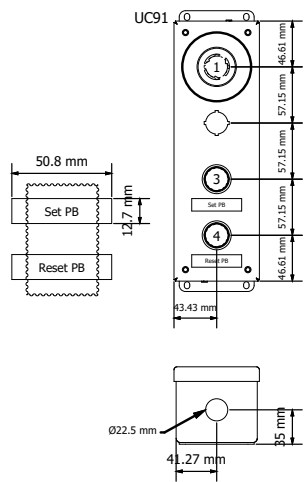
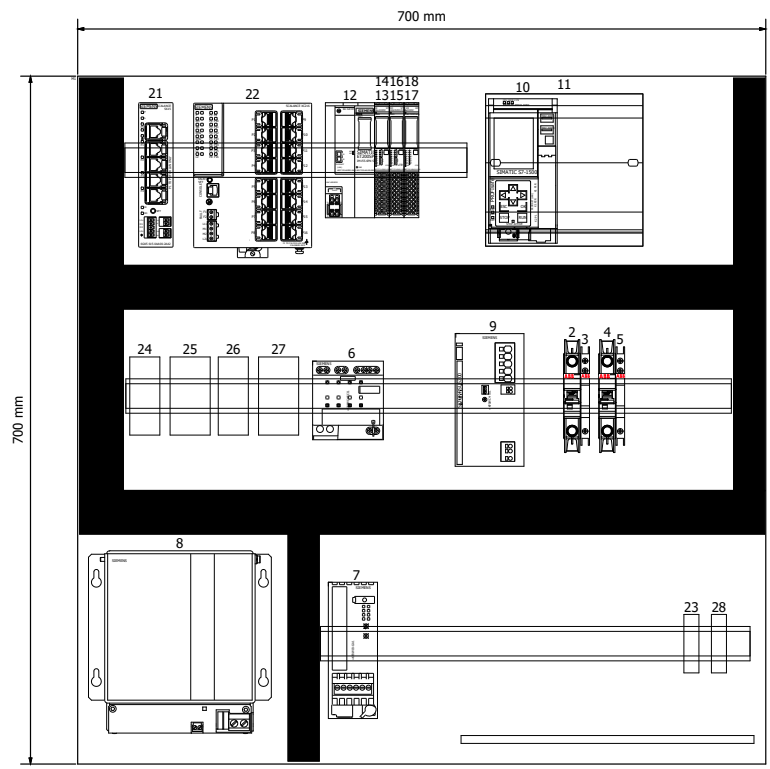
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Date	10/21/2022	Volvo Trucks North America	Valiant TMS	Incoming power & profinet	Drawing name: =2V12&EFS-EL	= V1WR1WC1 + V1WR1UC01
Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:
Appr					EFS	22-16145
Modification	Date	Name	Original	Replacement of	Replaced by	401



Enclosure panel shall be finished in RAL 7035 Light Grey paint.

		Date	9/26/2022	Volvo Trucks North America		Valiant TMS		Layout UC31 External View		Drawing name: =2V12&EFS-EL		= KF0	
		Ed.	MKLEPADLO							+ UC31			
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type: ELU		Project nr: 22-16145	
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:10						Page	2
													401

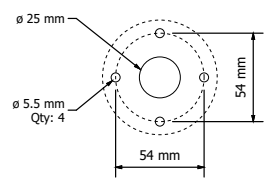
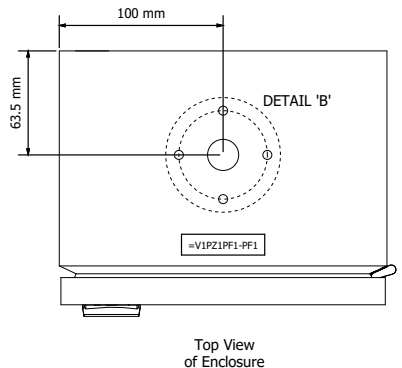
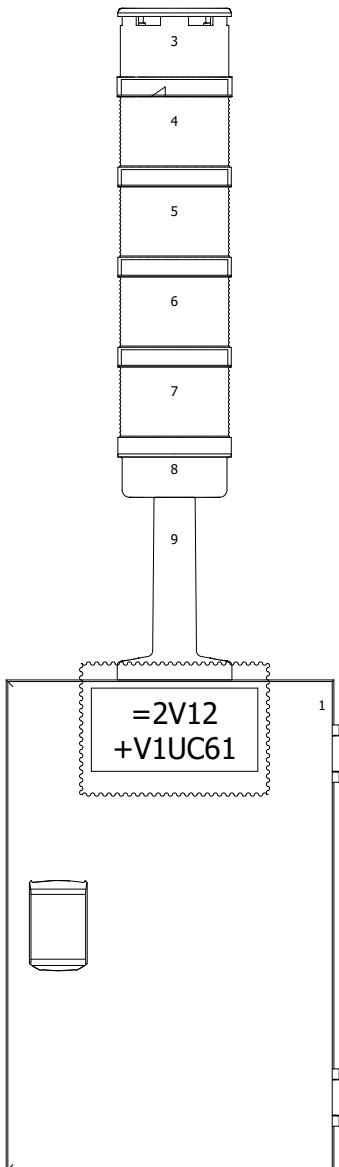


Profinet receptacle plate. Shall be mounted to left side of subplate with a bracket.
 * Mounting bracket to be provided by panel builder.

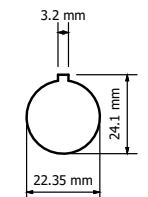
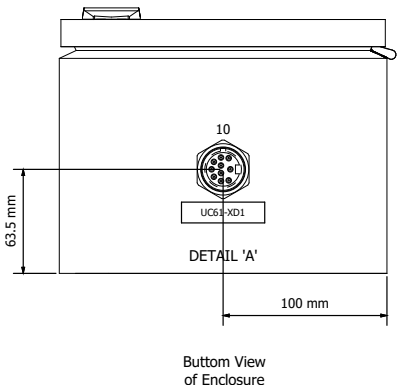
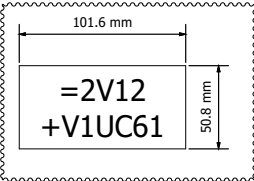
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=V1PZ1PF1+V1UC61/1

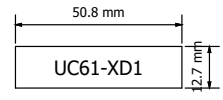
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Ed.		KMAFFRE	P6700 Rear Wall Hdr & Door Ring RH Cell				= 2V12&EFS-EL		+ UC31
Appr			Replacement of		Scale 1:5		Document type:		Page 3
Original			Replaced by				ELU		Project nr: 22-16145



DETAIL 'B'
ABB Stack light
K70 series



DETAIL 'A'
1-1/8" Receptacle

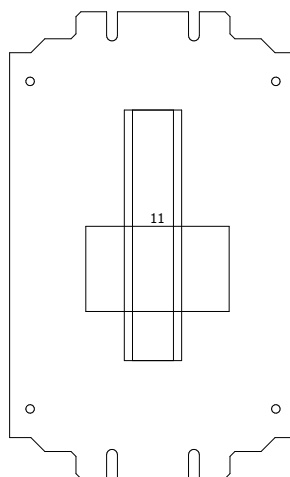


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=KF0+UC31/3

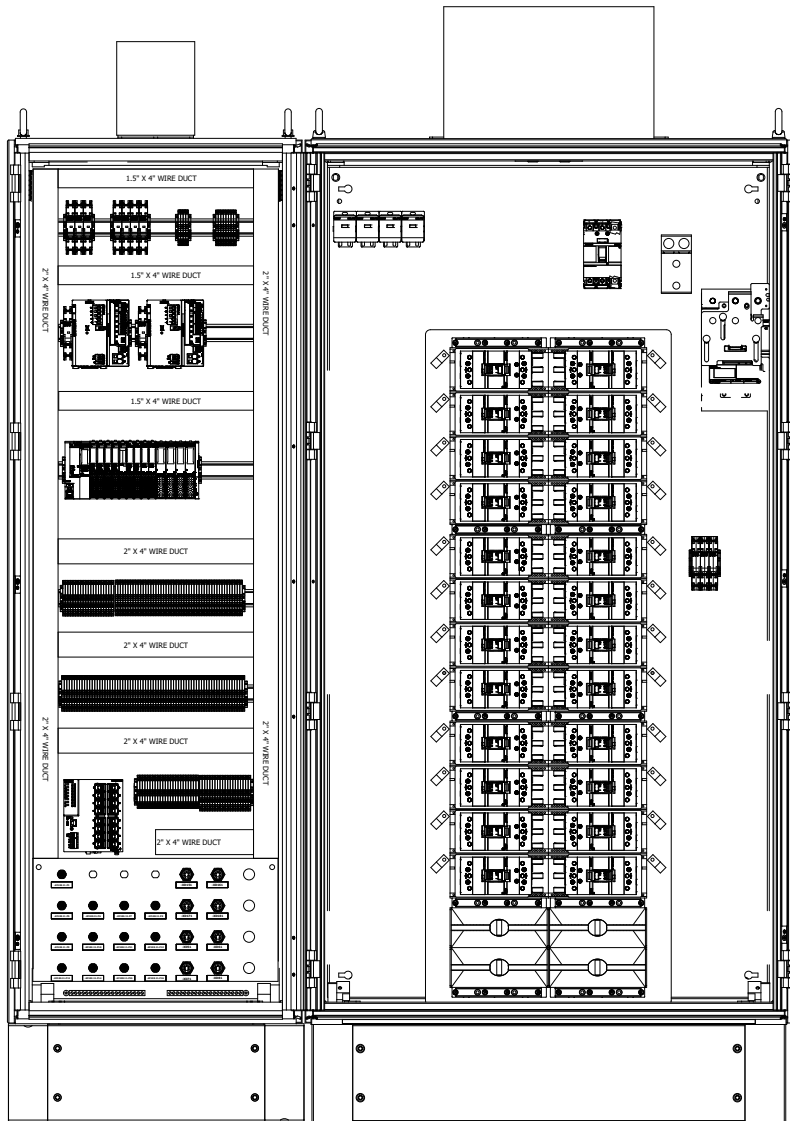
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Date		9/26/2022		Volvo Trucks North America		Valiant TMS		Layout UC61 SL External View		Drawing name:		= V1PZ1PF1	
Ed.		MKLEPADLO								= 2V12&EFS-EL		+ V1UC61	
Appr				P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Project nr:	
Original				Replacement of		Replaced by		Scale 1:3		ELU		22-16145	
Modification		Date		Name		Original				Page		1	
										401			



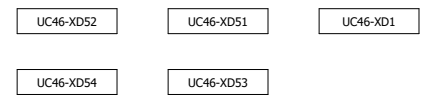
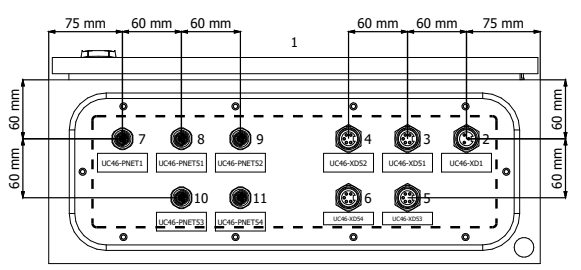
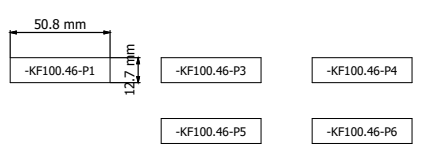
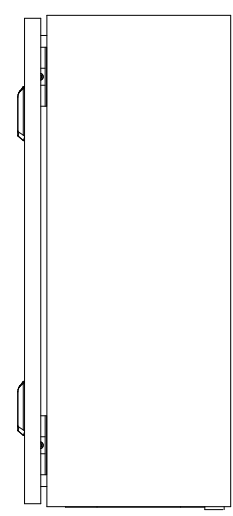
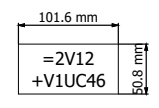
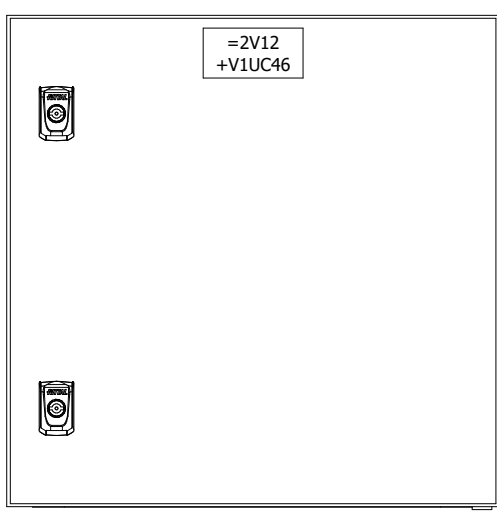
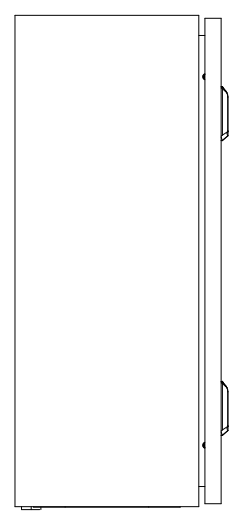
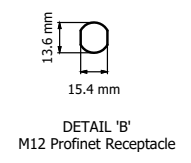
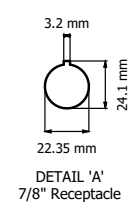
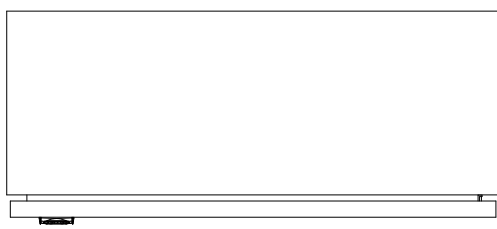
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			Ed.	MKLEPADLO						= 2V12&EFS-EL	+ V1UC61		
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell					Document type:	Project nr:	Page	2
Modification	Date	Name	Original		Replacement of	Replaced by		Scale 1:3		ELU	22-16145		401



=V1UC46+.UC46/1

				Volvo Trucks North America		Valiant TMS		Layout UC11 PDP Internal View		Drawing name: = 2V12&EFS-EL		= V1UC11 + V1UC11	
				P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:10				Document type: ELU		Project nr: 22-16145	
Modification				Date	Name	Original	Replacement of	Replaced by			Page		2
				9/26/2022	MKLEPADLO						401		

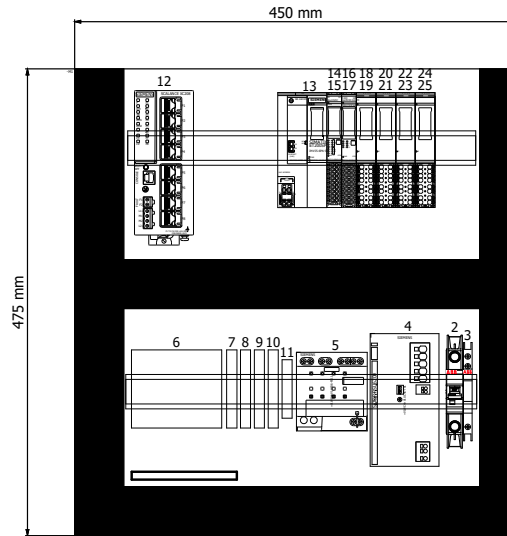


DETAIL 'B' Cutout
DETAIL 'A' Cutout
Bottom View of Enclosure

Enclosure panel shall be finished in RAL 7035 Light Grey paint.

=V1UC11+.UC11/2

		Date	9/26/2022	Volvo Trucks North America		Valiant TMS		Layout UC46 TT RIO External View		Drawing name:		= V1UC46
		Ed.	MKLEPADLO							Document type:		= 2V12&EFS-EL
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:5				Project nr:		22-16145
Modification	Date	Name	Original	Replacement of	Replaced by					Page		1
											401	



		Date	11/14/2022	Volvo Trucks North America		Valiant TMS	Layout UC46 TT RIO Internal View	Drawing name:		= V1UC46	
		Ed.	KMAFFRE					= 2V12&EFS-EL		+ V1UC46	
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell		Scale 1:5	Document type:		Project nr:	Page	2
Modification	Date	Name	Original	Replacement of	Replaced by		ELU		22-16145	401	


Cable overview

F10_001_Cable

Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	remark
=V1SF0SF1-W1	=V1KF1+V1UC11-KF11.14 =V1WC4+V1UC11-XD13	=V1SF0SF1+V1UC71-SF1	CBL	8	8	24	25	
	=V1KF1+V1UC11-KF11.32 =V1WC4+V1UC11-XD10							
=V1GL11WC1-W2			NEBM-M12G8-E-1.5-Q5-LE6	4	0	0,34	5	
=V1GL11WC1-W3			NEBM-M12G8-E-1.5-Q5-LE6	6	0	0,34	5	
=KF0KF1-KF1.31-P2	=KF0KF1+UC31-KF1.31-X1	=KF0KF1+UC31-KF31	PROFINET Cable	4	0	22		
=KF0KF1-KF100-P1	=KF0KF1+UC31-KF100.31	=KF0KF1+UC31-KF99.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P2	=KF0KF1+UC31-KF1.31-X2	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	0	22		
=KF0KF1-KF100.31-P3	=KF0KF1+UC31-KF1.31-X1	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	0	22		
=KF0KF1-KF100.31-P4	=KF0KF1+UC31-KF100.31	=KF0KF1+UC31-PC1	PROFINET Cable	4	0	22		
=KF0KF1-KF100.31-P5	=KF0KF1+UC31-KF100.31	=KF0KF1+UC31-PC1	PROFINET Cable	4	0	22		
=KF0KF1-KF100.31-P6	=KF0KF1+UC31-KF100.31-P6	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P7	=KF0KF1+UC31-KF100.31-P7	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P8	=KF0KF1+UC31-KF100.31-P8	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P9	=KF0KF1+UC31-KF100.31-P9	=KF0KF1+UC31-XG2	PROFINET Cable	4	1	22		
		=KF0KF1+UC31-KF100.31						
=KF0KF1-KF100.31-P10	=KF0KF1+UC31-KF100.31-P10	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P11	=KF0KF1+UC31-KF100.31-P11	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P12	=KF0KF1+UC31-KF100.31-P12	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P13	=KF0KF1+UC31-KF100.31-P13	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P14	=KF0KF1+UC31-KF100.31-P14	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P15	=KF0KF1+UC31-KF100.31-P15	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-KF100.31-P16	=KF0KF1+UC31-KF100.31-P16	=KF0KF1+UC31-KF100.31	PROFINET Cable	4	1	22		
=KF0KF1-WF1	=KF0KF1+UC31-KF99.31	=KF0KF1+UC31-xx	PROFINET Cable	4	0	22		
=V1AR21KF1-KF100.11-P5	=V1AR21KF1+V1AR21UC01-XPX-X2	=V1KF1+V1UC11-KF100.11-P5	PROFINET Cable	4	0	22		
=V1AR22KF1-KF100.11-P6	=V1AR22KF1+V1AR22UC01-XPX-X2	=V1KF1+V1UC11-KF100.11-P6	PROFINET Cable	4	0	22		
=V1AR23KF1-KF100.11-P7	=V1AR23KF1+V1AR23UC01-XPX-X2	=V1KF1+V1UC11-KF100.11-P7	PROFINET Cable	4	0	22		
=V1AR41KF1-KF100.11-P8	=V1AR41KF1+V1AR41UC01-XPX-X2	=V1KF1+V1UC11-KF100.11-P8	PROFINET Cable	4	0	22		
=V1AR41UQ41KF1-WF1	=V1AR41UQ41KF1+V1AR41UQ41-KF1-TP1	=V1AR41UQ41KF1+V1AR41UQ41-R3.CP/CS	PROFINET Cable	4	1	22		
=V1AR42KF1-KF100.11-P10	=V1AR42KF1+V1AR42UC01-XPX-X2	=V1KF1+V1UC11-KF100.11-P10	PROFINET Cable	4	0	22		
=V1AR42UQ41KF1-WF1	=V1AR42UQ41KF1+V1AR42UQ41-KF1-TP1	=V1AR42UQ41KF1+V1AR42UQ41-R3.CP/CS	PROFINET Cable	4	1	22		
=V1GL11KF1-KF100.11-P15			PROFINET Cable	4	0	22		
=V1KF1-KF100.11-P1	=V1KF1+V1UC11-KF100.11-P1	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P3	=V1KF1+V1UC11-KF100.11	=V1KF1+V1UC11-KF11	PROFINET Cable	4	0	22		
=V1KF1-KF100.11-P4	=V1KF1+V1UC11-KF100.11-P4	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P5	=V1KF1+V1UC11-KF100.11-P5	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P6	=V1KF1+V1UC11-KF100.11-P6	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P7	=V1KF1+V1UC11-KF100.11-P7	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P8	=V1KF1+V1UC11-KF100.11-P8	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P9	=V1KF1+V1UC11-KF100.11-P9	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P10	=V1KF1+V1UC11-KF100.11-P10	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P11	=V1KF1+V1UC11-KF100.11-P11	=V1FQ1+V1FQ1BG1-BG1-X3	PROFINET Cable	4	1	22		
		=V1KF1+V1UC11-KF100.11						
=V1KF1-KF100.11-P12	=V1KF1+V1UC11-KF100.11-P12	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		

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
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Date		11/14/2022		Volvo Trucks North America		Valiant TMS		Cable overview		Drawing name: =2V12&EFS-EL		=	
Ed.		KMAFFRE		P6700 Rear Wall Hdr & Door Ring RH Cell				Scale 1:1		Document type: EMC		Project nr: 22-16145	
Appr				Replacement of		Replaced by				Page		1	
Modification		Date		Name		Original				Page		401	

Cable overview

F10_001_Cable



Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	remark
=V1KF1-KF100.11-P13	=V1KF1+V1UC11-KF100.11-P13	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P14	=V1KF1+V1UC11-KF100.11-P14	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P15	=V1KF1+V1UC11-KF100.11-P15	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.11-P16	=V1KF1+V1UC11-KF100.11-P16	=V1KF1+V1UC11-KF100.11	PROFINET Cable	4	1	22		
=V1KF1-KF100.31-P6	=KF0KF1+UC31-KF100.31-P6	=V1KF1+V1UC11-KF100.11-P1	PROFINET Cable	4	0	22		
=V1KF1-KF100.31-P7	=KF0KF1+UC31-KF100.31-P7	=V1KF1+V1WR1-XD1	PROFINET Cable	4	0	22	15	
	=V1KF1+V1UC46-KF100.46-P1							
=V1KF1-KF100.46-P1	=V1KF1+V1UC46-KF100.46-P1	=V1KF1+V1UC46-KF100.46	PROFINET Cable	4	1	22		
=V1KF1-KF100.46-P2	=V1KF1+V1UC46-KF100.46	=V1KF1+V1UC46-KF46	PROFINET Cable	4	0	22	1	
=V1KF1-KF100.46-P3	=V1KF1+V1UC46-KF100.46-P3	=V1KF1+V1UC46-KF100.46	PROFINET Cable	4	1	22		
=V1KF1-KF100.46-P4	=V1KF1+V1UC46-KF100.46-P4	=V1KF1+V1UC46-KF100.46	PROFINET Cable	4	1	22		
=V1KF1-KF100.46-P5	=V1KF1+V1UC46-KF100.46-P5	=V1KF1+V1UC46-KF100.46	PROFINET Cable	4	1	22		
=V1KF1-KF100.46-P6	=V1KF1+V1UC46-KF100.46-P6	=V1KF1+V1UC46-KF100.46	PROFINET Cable	4	1	22		
=V1SF0PG1-KF100.11-P9	=V1KF1+V1UC11-KF100.11-P9	=V1SF0PG1+V1UC51-PNET1	PROFINET Cable	4	1	22		
=V1SF0PG1-PNET1	=V1SF0PG1+V1UC51-PNET1	=V1SF0PG1+V1UC51-PG1	PROFINET Cable	4	0	22		
=V1UQ51KF1-KF100.11-P13	=V1KF1+V1UC11-KF100.11-P13	=V1UQ51KF1+V1UQ51-KF1-TP1	PROFINET Cable	4	0	22	30	
=V1WC1-KF100.11-P2	=V1KF1+V1UC11-KF100.11	=V1WC1+V1UC11-KF1.2	PROFINET Cable	4	1	22		
=V1WR1KF1-KF100.11-P14	=V1KF1+V1UC11-KF100.11-P14	=V1WR1KF1+V1WR1-KF1.11	PROFINET Cable	4	0	22		
=V1WR1KF2-KF100.11-P14	=V1WR1KF1+V1WR1-KF1.11	=V1WR1KF2+V1WR1-KF2.11	PROFINET Cable	4	0	22		
=V1WR1UQ51KF1-KF100.46-P3	=V1KF1+V1UC46-KF100.46-P3	=V1WR1UQ51KF1+V1WR1UQ51-KF1-TP1	PROFINET Cable	4	0	22		
=V1WR1UQ52KF1-KF100.46-P4	=V1KF1+V1UC46-KF100.46-P4	=V1WR1UQ52KF1+V1WR1UQ52-KF1-TP1	PROFINET Cable	4	0	22		
=V1WR1UQ52KF2-KF1-TP1	=V1WR1UQ52KF1+V1WR1UQ52-KF1-TP2	=V1WR1UQ52KF2+V1WR1UQ52-KF2-TP1	PROFINET Cable	4	1	22		
=V1WR1WC1-KF100.11-P12	=V1KF1+V1UC11-KF100.11-P12	=V1WR1WC1+V1WR1UC01-X150	PROFINET Cable	4	1	22		
=V1WC1-GND1	=WC1+V1UC161-WC1	=V1WC1+V1UC161-GND	RK	1	0	2		
=V1WC1-GND1	=WC1+V1UC162-WC1	=V1WC1+V1UC162-GND	RK	1	0	2		
=V1WC1-GND1	=V1WC1+V1UC11-GND	=V1WC1+V1UC11-PE	RK	1	1	6		
=V1AR21XQ11WC1-W1	=V1AR21XQ11WC1+V1AR21XQ11UC01-XG1	=V1WC2+V1UC161-XG1	TC-ER	4	4	1	7.62	Max.
		=V1WC2+V1UC161-XG2						
=V1AR22XQ11WC1-W1	=V1AR22XQ11WC1+V1AR22XQ11UC01-XG1	=V1WC2+V1UC161-XG1	TC-ER	4	4	1	7.62	Max.
		=V1WC2+V1UC161-XG2						
=V1AR23XQ11WC1-W1	=V1AR23XQ11WC1+V1AR23XQ11UC01-XG1	=V1WC2+V1UC162-XG1	TC-ER	4	4	1	7.62	Max.
		=V1WC2+V1UC162-XG2						
=V1AR41XQ11WC1-W1	=V1AR41XQ11WC1+V1AR41XQ11UC01-XG1	=V1WC2+V1UC162-XG1	TC-ER	4	4	1	7.62	Max.
		=V1WC2+V1UC162-XG2						
=V1AR42XQ11WC1-W1	=V1AR42XQ11WC1+V1AR42XQ11UC01-XG1	=V1WC2+V1UC162-XG1	TC-ER	4	4	1	7.62	Max.
		=V1WC2+V1UC162-XG2						
=V1WR1WC1-W1		=V1WR1WC1+V1WR1UC01-PE	TC-ER	4	3	2	15	
	=V1WR1+V1UC11-FC1	=V1WR1WC1+V1WR1UC01-Q1						
=KF0WC3-W1	=KF0WC3+UC31-XD1	=V1WC3+V1UC11-XD1	TC-ER	3	3	10	13	
		=V1WC3+V1UC11-PE						
=V1AR21WC1-W1		=V1AR21WC1+V1AR21UC01-PE	TC-ER	4	4	10	15	
	=V1AR21+V1UC11-FC1	=V1AR21WC1+V1AR21UC01-Q1						
=V1AR22WC1-W1		=V1AR22WC1+V1AR22UC01-PE	TC-ER	4	3	10	15	
	=V1AR22+V1UC11-FC1	=V1AR22WC1+V1AR22UC01-Q1						
=V1AR23WC1-W1		=V1AR23WC1+V1AR23UC01-PE	TC-ER	4	3	10	20	
	=V1AR23+V1UC11-FC1	=V1AR23WC1+V1AR23UC01-Q1						

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			Ed.	MKLEPADLO								+
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Scale 1:1		Document type:		Page 2
Modification	Date	Name	Original		Replacement of	Replaced by				EMC	Project nr:	

Cable overview

F10_001_Cable

Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	remark
=V1AR41WC1-W1	=V1AR41+V1UC11-FC1	=V1AR41WC1+V1AR41UC01-PE =V1AR41WC1+V1AR41UC01-Q1	TC-ER	4	3	10	20	
=V1AR42WC1-W1	=V1AR42+V1UC11-FC1	=V1AR42WC1+V1AR42UC01-PE =V1AR42WC1+V1AR42UC01-Q1	TC-ER	4	3	10	25	
=V1GL11WC1-W1	=V1GL11+V1UC11-FC1	=V1GL11WC1+V1GL11UC01-TA1 =V1GL11WC1+V1GL11UC01-Q1	TC-ER	4	4	10	35	
=KH0-W1	=V1KF1+V1UC11-KF11.14 =V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=KH0+KH0-BP1	TPE	4	4	18	12	Air supply
=KH0-W2	=V1KF1+V1UC11-KF11.14 =V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=KH0+KH0-BP2	TPE	4	4	18	15	Air supply
=KH0-W3	=V1KF1+V1UC11-KF11.14 =V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=KH0+KH0-BP3	TPE	4	4	18	15	Air supply
=KH3-W1	=V1KF1+V1UC11-KF11.14 =V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=KH3+KH3-BF1	TPE	4	4	18	12	Air supply
=KH3-W2	=V1KF1+V1UC11-KF11.14 =V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=KH3+KH3-BF2	TPE	4	4	18	12	Air supply
=V1AR41UQ41BG0-W1	=V1AR41UQ41BG0+V1AR41UQ41-XG1/2	=V1AR41UQ41KF1+V1AR41UQ41-KF1.12-X1	TPE	4	4	18	0.5	
=V1AR41UQ41BG0-W1.1	=V1AR41UQ41BG0+V1AR41UQ41-BG01	=V1AR41UQ41BG0+V1AR41UQ41-XG1/2	TPE	4	3	18	3	
=V1AR41UQ41BG0-W1.2	=V1AR41UQ41BG0+V1AR41UQ41-BG02	=V1AR41UQ41BG0+V1AR41UQ41-XG1/2	TPE	4	3	18	2	
=V1AR41UQ41BG0-W2	=V1AR41UQ41BG0+V1AR41UQ41-XG3/4	=V1AR41UQ41KF1+V1AR41UQ41-KF1.12-X2	TPE	4	4	18	0.5	
=V1AR41UQ41BG0-W2.1	=V1AR41UQ41BG0+V1AR41UQ41-BG03	=V1AR41UQ41BG0+V1AR41UQ41-XG3/4	TPE	4	3	18	3	
=V1AR41UQ41BG0-W2.2	=V1AR41UQ41BG0+V1AR41UQ41-BG04	=V1AR41UQ41BG0+V1AR41UQ41-XG3/4	TPE	4	3	18	1	
=V1AR41UQ41UQ1.1-W1	=V1AR41UQ41KF1+V1AR41UQ41-KF1.11-X1	=V1AR41UQ41UQ1.1+V1AR41UQ41UQ1.1-BGS/R	TPE	4	4	18	4	
=V1AR41UQ41UQ1.2-W1	=V1AR41UQ41KF1+V1AR41UQ41-KF1.11-X2	=V1AR41UQ41UQ1.2+V1AR41UQ41UQ1.2-BGS/R	TPE	4	4	18	2	
=V1AR41UQ41UQ1.3-W1	=V1AR41UQ41KF1+V1AR41UQ41-KF1.11-X3	=V1AR41UQ41UQ1.3+V1AR41UQ41UQ1.3-BGS/R	TPE	4	4	18	3	
=V1AR41UQ41UQ1.4-W1	=V1AR41UQ41KF1+V1AR41UQ41-KF1.11-X4	=V1AR41UQ41UQ1.4+V1AR41UQ41UQ1.4-BGS/R	TPE	4	4	18	2	
=V1AR41UQ41UQ2.1-W1	=V1AR41UQ41KF1+V1AR41UQ41-KF1.11-X5	=V1AR41UQ41UQ2.1+V1AR41UQ41UQ2.1-BGS/R	TPE	4	4	18	3	
=V1AR41UQ41UQ2.2-W1	=V1AR41UQ41KF1+V1AR41UQ41-KF1.11-X6	=V1AR41UQ41UQ2.2+V1AR41UQ41UQ2.2-BGS/R	TPE	4	4	18	1	
=V1AR42UQ41BG0-W1	=V1AR42UQ41BG0+V1AR42UQ41-XG1/2	=V1AR42UQ41KF1+V1AR42UQ41-KF1.12-X1	TPE	4	4	18	0.5	
=V1AR42UQ41BG0-W1.1	=V1AR42UQ41BG0+V1AR42UQ41-BG01	=V1AR42UQ41BG0+V1AR42UQ41-XG1/2	TPE	4	3	18	2	
=V1AR42UQ41BG0-W1.2	=V1AR42UQ41BG0+V1AR42UQ41-BG02	=V1AR42UQ41BG0+V1AR42UQ41-XG1/2	TPE	4	3	18	1	
=V1AR42UQ41UQ1.1-W1	=V1AR42UQ41KF1+V1AR42UQ41-KF1.11-X1	=V1AR42UQ41UQ1.1+V1AR42UQ41UQ1.1-BGS/R	TPE	4	4	18	2	
=V1AR42UQ41UQ2.1-W1	=V1AR42UQ41KF1+V1AR42UQ41-KF1.11-X2	=V1AR42UQ41UQ2.1+V1AR42UQ41UQ2.1-BGS/R	TPE	4	4	18	1	
=V1AR42UQ41UQ2.2-W1	=V1AR42UQ41KF1+V1AR42UQ41-KF1.11-X3	=V1AR42UQ41UQ2.2+V1AR42UQ41UQ2.2-BGS/R	TPE	4	4	18	3	
=V1FQ1-W5	=V1KF1+V1UC11-KF11.31	=V1FQ1+V1FQ1-BG01	TPE	4	4	18	20	
=V1FQ1-W11R	=V1KF1+V1UC11-KF11.31	=V1FQ1+V1FQ1-BR11-R	TPE	4	4	18	35	

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		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Scale 1:1		Document type:	Project nr:	Page	3
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Cable overview

F10_001_Cable

Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	remark
	=V1WC4+V1UC11-XD10							
=V1FQ1-W11T	=V1WC4+V1UC11-XD13 =V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=V1FQ1+V1FQ1-BR11-T	TPE	4	4	18	30	
=V1FQ1-W13R	=V1KF1+V1UC11-KF11.31 =V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=V1FQ1+V1FQ1-BR13-R	TPE	4	4	18	30	
=V1FQ1-W13T	=V1WC4+V1UC11-XD10 =V1WC4+V1UC11-XD13	=V1FQ1+V1FQ1-BR13-T	TPE	4	4	18	25	
=V1FQ1+.WR1-W1			TPE	4	0	18	5	
=V1FQ1+.WR1-W2			TPE	4	0	18	5	
=V1FQ1+.WR1-W3			TPE	4	0	18	5	
=V1FQ1+.WR1-W4			TPE	4	0	18	5	
=V1GL11BG0-W1	=V1GL11BG0+V1GL11-BG01	=V1GL11KF1+V1GL11-KF1.11	TPE	4	3	18	2	
=V1GL11BG0-W2	=V1GL11BG0+V1GL11-BG02	=V1GL11KF1+V1GL11-KF1.11	TPE	4	3	18	15	
=V1UQ51BG0-W1	=V1UQ51BG0+V1UQ51-XG1/2	=V1UQ51KF1+V1UQ51-KF1.12-X3	TPE	4	4	18	0.5	
=V1UQ51BG0-W1.1	=V1UQ51BG0+V1UQ51-BG01	=V1UQ51BG0+V1UQ51-XG1/2	TPE	4	3	18	1	
=V1UQ51BG0-W1.2	=V1UQ51BG0+V1UQ51-BG02	=V1UQ51BG0+V1UQ51-XG1/2	TPE	4	3	18	2	
=V1UQ51BG0-W2	=V1UQ51BG0+V1UQ51-XG3/4	=V1UQ51KF1+V1UQ51-KF1.12-X4	TPE	4	4	18	0.5	
=V1UQ51BG0-W2.1	=V1UQ51BG0+V1UQ51-BG03	=V1UQ51BG0+V1UQ51-XG3/4	TPE	4	3	18	3	
=V1UQ51BG0-W2.2	=V1UQ51BG0+V1UQ51-BG04	=V1UQ51BG0+V1UQ51-XG3/4	TPE	4	3	18	1	
=V1UQ51UQ1.1-W1	=V1UQ51KF1+V1UQ51-KF1.11-X1	=V1UQ51UQ1.1+V1UQ51UQ1.1-BGS/R	TPE	4	4	18	1	
=V1UQ51UQ2.1-W1	=V1UQ51KF1+V1UQ51-KF1.11-X2	=V1UQ51UQ2.1+V1UQ51UQ2.1-BGS/R	TPE	4	4	18	2	
=V1UQ51UQ2.2-W1	=V1UQ51KF1+V1UQ51-KF1.11-X3	=V1UQ51UQ2.2+V1UQ51UQ2.2-BGS/R	TPE	4	4	18	3	
=V1UQ51UQ2.3-W1	=V1UQ51KF1+V1UQ51-KF1.11-X4	=V1UQ51UQ2.3+V1UQ51UQ2.3-BGS/R	TPE	4	4	18	3	
=V1UQ51UQ2.4-W1	=V1UQ51KF1+V1UQ51-KF1.11-X5	=V1UQ51UQ2.4+V1UQ51UQ2.4-BGS/R	TPE	4	4	18	2	
=V1UQ51UQ2.5-W1	=V1UQ51KF1+V1UQ51-KF1.11-X6	=V1UQ51UQ2.5+V1UQ51UQ2.5-BGS/R	TPE	4	4	18	3	
=V1UQ51UQ3.1-W1	=V1UQ51KF1+V1UQ51-KF1.11-X7	=V1UQ51UQ3.1+V1UQ51UQ3.1-BGS/R	TPE	4	4	18	2	
=V1UQ51UQ3.2-W1	=V1UQ51KF1+V1UQ51-KF1.11-X8	=V1UQ51UQ3.2+V1UQ51UQ3.2-BGS/R	TPE	4	4	18	2	
=V1UQ51UQ3.3-W1	=V1UQ51KF1+V1UQ51-KF1.12-X1	=V1UQ51UQ3.3+V1UQ51UQ3.3-BGS/R	TPE	4	4	18	2	
=V1UQ51UQ3.4-W1	=V1UQ51KF1+V1UQ51-KF1.12-X2	=V1UQ51UQ3.4+V1UQ51UQ3.4-BGS/R	TPE	4	4	18	2	
=V1WR1BG0-W1	=V1WR1BG0+V1WR1-XG1/2	=V1WR1KF1+V1WR1-KF1.11	TPE	4	4	18	0.5	
=V1WR1BG0-W1.1	=V1WR1BG0+V1WR1-BG01	=V1WR1BG0+V1WR1-XG1/2	TPE	4	3	18	4	
=V1WR1BG0-W1.2	=V1WR1BG0+V1WR1-BG02	=V1WR1BG0+V1WR1-XG1/2	TPE	4	3	18	3	
=V1WR1BG0-W2	=V1WR1BG0+V1WR1-XG3/4	=V1WR1KF1+V1WR1-KF1.11	TPE	4	4	18	0.5	
=V1WR1BG0-W2.1	=V1WR1BG0+V1WR1-BG03	=V1WR1BG0+V1WR1-XG3/4	TPE	4	3	18	4	
=V1WR1BG0-W2.2	=V1WR1BG0+V1WR1-BG04	=V1WR1BG0+V1WR1-XG3/4	TPE	4	3	18	3	
=V1WR1BG0-W3	=V1WR1BG0+V1WR1-BG05	=V1WR1KF1+V1WR1-KF1.11	TPE	4	3	18	3	
=V1WR1UQ51BG0-W1	=V1WR1UQ51BG0+V1WR1UQ51-XG1/2	=V1WR1UQ51KF1+V1WR1UQ51-KF1.13-X2	TPE	4	4	18	0.5	
=V1WR1UQ51BG0-W1.1	=V1WR1UQ51BG0+V1WR1UQ51-BG01	=V1WR1UQ51BG0+V1WR1UQ51-XG1/2	TPE	4	3	18	3	
=V1WR1UQ51BG0-W1.2	=V1WR1UQ51BG0+V1WR1UQ51-BG02	=V1WR1UQ51BG0+V1WR1UQ51-XG1/2	TPE	4	3	18	3	
=V1WR1UQ51BG0-W2	=V1WR1UQ51BG0+V1WR1UQ51-XG3/4	=V1WR1UQ51KF1+V1WR1UQ51-KF1.13-X3	TPE	4	4	18	0.5	
=V1WR1UQ51BG0-W2.1	=V1WR1UQ51BG0+V1WR1UQ51-BG03	=V1WR1UQ51BG0+V1WR1UQ51-XG3/4	TPE	4	3	18	3	
=V1WR1UQ51BG0-W2.2	=V1WR1UQ51BG0+V1WR1UQ51-BG04	=V1WR1UQ51BG0+V1WR1UQ51-XG3/4	TPE	4	3	18	2	

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Modification	Date	Name	Original		Replacement of	Replaced by				EMC	Project nr:	

Cable overview

F10_001_Cable



Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	remark
=V1WR1UQ51BG0-W3	=V1WR1UQ51BG0+V1WR1UQ51-XG5/6	=V1WR1UQ51KF1+V1WR1UQ51-KF1.13-X4	TPE	4	4	18	0.5	
=V1WR1UQ51BG0-W3.1	=V1WR1UQ51BG0+V1WR1UQ51-BG05	=V1WR1UQ51BG0+V1WR1UQ51-XG5/6	TPE	4	3	18	3	
=V1WR1UQ51BG0-W3.2	=V1WR1UQ51BG0+V1WR1UQ51-BG06	=V1WR1UQ51BG0+V1WR1UQ51-XG5/6	TPE	4	3	18	2	
=V1WR1UQ51BG0-W4	=V1WR1UQ51BG0+V1WR1UQ51-BG07	=V1WR1UQ51KF1+V1WR1UQ51-KF1.13-X5	TPE	4	3	18	4	
=V1WR1UQ51UQ1.1-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X1	=V1WR1UQ51UQ1.1+V1WR1UQ51UQ1.1-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ1.2-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X2	=V1WR1UQ51UQ1.2+V1WR1UQ51UQ1.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ51UQ1.3-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X3	=V1WR1UQ51UQ1.3+V1WR1UQ51UQ1.3-BGS/R	TPE	4	4	18	3	
=V1WR1UQ51UQ1.4-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X4	=V1WR1UQ51UQ1.4+V1WR1UQ51UQ1.4-BGS/R	TPE	4	4	18	3	
=V1WR1UQ51UQ1.5-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X5	=V1WR1UQ51UQ1.5+V1WR1UQ51UQ1.5-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ2.1-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X6	=V1WR1UQ51UQ2.1+V1WR1UQ51UQ2.1-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ3.1-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X7	=V1WR1UQ51UQ3.1+V1WR1UQ51UQ3.1-BGS/R	TPE	4	4	18	3	
=V1WR1UQ51UQ4.1-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.11-X8	=V1WR1UQ51UQ4.1+V1WR1UQ51UQ4.1-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ4.2-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X1	=V1WR1UQ51UQ4.2+V1WR1UQ51UQ4.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ51UQ4.3-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X2	=V1WR1UQ51UQ4.3+V1WR1UQ51UQ4.3-BGS/R	TPE	4	4	18	3	
=V1WR1UQ51UQ4.4-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X3	=V1WR1UQ51UQ4.4+V1WR1UQ51UQ4.4-BGS/R	TPE	4	4	18	3	
=V1WR1UQ51UQ4.5-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X4	=V1WR1UQ51UQ4.5+V1WR1UQ51UQ4.5-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ4.6-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X5	=V1WR1UQ51UQ4.6+V1WR1UQ51UQ4.6-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ5.1-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X6	=V1WR1UQ51UQ5.1+V1WR1UQ51UQ5.1-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ5.2-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X7	=V1WR1UQ51UQ5.2+V1WR1UQ51UQ5.2-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ5.3-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.12-X8	=V1WR1UQ51UQ5.3+V1WR1UQ51UQ5.3-BGS/R	TPE	4	4	18	2	
=V1WR1UQ51UQ6.1-W1	=V1WR1UQ51KF1+V1WR1UQ51-KF1.13-X1	=V1WR1UQ51UQ6.1+V1WR1UQ51UQ6.1-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52BG0-W1	=V1WR1UQ52BG0+V1WR1UQ52-XG1/2	=V1WR1UQ52KF1+V1WR1UQ52-KF1.15-X1	TPE	4	4	18	0.5	
=V1WR1UQ52BG0-W1.1	=V1WR1UQ52BG0+V1WR1UQ52-BG01	=V1WR1UQ52BG0+V1WR1UQ52-XG1/2	TPE	4	3	18	4	
=V1WR1UQ52BG0-W1.2	=V1WR1UQ52BG0+V1WR1UQ52-BG02	=V1WR1UQ52BG0+V1WR1UQ52-XG1/2	TPE	4	3	18	3	
=V1WR1UQ52BG0-W2	=V1WR1UQ52BG0+V1WR1UQ52-XG3/4	=V1WR1UQ52KF1+V1WR1UQ52-KF1.15-X2	TPE	4	4	18	0.5	
=V1WR1UQ52BG0-W2.1	=V1WR1UQ52BG0+V1WR1UQ52-BG03	=V1WR1UQ52BG0+V1WR1UQ52-XG3/4	TPE	4	3	18	5	
=V1WR1UQ52BG0-W2.2	=V1WR1UQ52BG0+V1WR1UQ52-BG04	=V1WR1UQ52BG0+V1WR1UQ52-XG3/4	TPE	4	3	18	3	
=V1WR1UQ52BG0-W3	=V1WR1UQ52BG0+V1WR1UQ52-XG5/6	=V1WR1UQ52KF1+V1WR1UQ52-KF1.15-X3	TPE	4	4	18	0.5	
=V1WR1UQ52BG0-W3.1	=V1WR1UQ52BG0+V1WR1UQ52-BG05	=V1WR1UQ52BG0+V1WR1UQ52-XG5/6	TPE	4	3	18	5	
=V1WR1UQ52BG0-W3.2	=V1WR1UQ52BG0+V1WR1UQ52-BG06	=V1WR1UQ52BG0+V1WR1UQ52-XG5/6	TPE	4	3	18	3	
=V1WR1UQ52BG0-W4	=V1WR1UQ52BG0+V1WR1UQ52-XG7/8	=V1WR1UQ52KF1+V1WR1UQ52-KF1.15-X4	TPE	4	4	18	0.5	
=V1WR1UQ52BG0-W4.1	=V1WR1UQ52BG0+V1WR1UQ52-BG07	=V1WR1UQ52BG0+V1WR1UQ52-XG7/8	TPE	4	3	18	5	
=V1WR1UQ52BG0-W4.2	=V1WR1UQ52BG0+V1WR1UQ52-BG08	=V1WR1UQ52BG0+V1WR1UQ52-XG7/8	TPE	4	3	18	3	
=V1WR1UQ52BG0-W5	=V1WR1UQ52BG0+V1WR1UQ52-XG9/10	=V1WR1UQ52KF1+V1WR1UQ52-KF1.15-X5	TPE	4	4	18	0.5	
=V1WR1UQ52BG0-W5.1	=V1WR1UQ52BG0+V1WR1UQ52-BG09	=V1WR1UQ52BG0+V1WR1UQ52-XG9/10	TPE	4	3	18	4	
=V1WR1UQ52BG0-W5.2	=V1WR1UQ52BG0+V1WR1UQ52-BG10	=V1WR1UQ52BG0+V1WR1UQ52-XG9/10	TPE	4	3	18	2	
=V1WR1UQ52BG0-W6	=V1WR1UQ52BG0+V1WR1UQ52-XG11/12	=V1WR1UQ52KF1+V1WR1UQ52-KF1.15-X6	TPE	4	4	18	0.5	
=V1WR1UQ52BG0-W6.1	=V1WR1UQ52BG0+V1WR1UQ52-BG11	=V1WR1UQ52BG0+V1WR1UQ52-XG11/12	TPE	4	3	18	5	
=V1WR1UQ52BG0-W6.2	=V1WR1UQ52BG0+V1WR1UQ52-BG12	=V1WR1UQ52BG0+V1WR1UQ52-XG11/12	TPE	4	3	18	2	
=V1WR1UQ52BG0-W7	=V1WR1UQ52BG0+V1WR1UQ52-XG13/14	=V1WR1UQ52KF1+V1WR1UQ52-KF1.15-X7	TPE	4	4	18	0.5	
=V1WR1UQ52BG0-W7.1	=V1WR1UQ52BG0+V1WR1UQ52-BG13	=V1WR1UQ52BG0+V1WR1UQ52-XG13/14	TPE	4	3	18	4	
=V1WR1UQ52BG0-W7.2	=V1WR1UQ52BG0+V1WR1UQ52-BG14	=V1WR1UQ52BG0+V1WR1UQ52-XG13/14	TPE	4	3	18	3	
=V1WR1UQ52UQ1.1-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X1	=V1WR1UQ52UQ1.1+V1WR1UQ52UQ1.1-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ1.2-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X2	=V1WR1UQ52UQ1.2+V1WR1UQ52UQ1.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ1.3-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X3	=V1WR1UQ52UQ1.3+V1WR1UQ52UQ1.3-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ1.4-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X4	=V1WR1UQ52UQ1.4+V1WR1UQ52UQ1.4-BGS/R	TPE	4	4	18	4	

			Date	12/2/2022	Volvo Trucks North America			Valiant TMS	Cable overview	Drawing name:		=	
			Ed.	MKLEPADLO							+		
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Scale 1:1			Document type:	Project nr:	Page
Modification	Date	Name	Original	Replacement of	Replaced by	EMC					22-16145	5	

Cable overview

F10_001_Cable

Cable name	Source (from)	Target (to)	cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	remark
=V1WR1UQ52UQ2.1-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X5	=V1WR1UQ52UQ2.1+V1WR1UQ52UQ2.1-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ2.2-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X6	=V1WR1UQ52UQ2.2+V1WR1UQ52UQ2.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ3.1-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X7	=V1WR1UQ52UQ3.1+V1WR1UQ52UQ3.1-BGS/R	TPE	4	4	18	6	
=V1WR1UQ52UQ3.2-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.11-X8	=V1WR1UQ52UQ3.2+V1WR1UQ52UQ3.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ3.3-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X1	=V1WR1UQ52UQ3.3+V1WR1UQ52UQ3.3-BGS/R	TPE	4	4	18	5	
=V1WR1UQ52UQ3.4-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X2	=V1WR1UQ52UQ3.4+V1WR1UQ52UQ3.4-BGS/R	TPE	4	4	18	6	
=V1WR1UQ52UQ3.5-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X3	=V1WR1UQ52UQ3.5+V1WR1UQ52UQ3.5-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ3.6-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X4	=V1WR1UQ52UQ3.6+V1WR1UQ52UQ3.6-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ4.1-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X5	=V1WR1UQ52UQ4.1+V1WR1UQ52UQ4.1-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ4.2-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X6	=V1WR1UQ52UQ4.2+V1WR1UQ52UQ4.2-BGS/R	TPE	4	4	18	6	
=V1WR1UQ52UQ4.3-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X7	=V1WR1UQ52UQ4.3+V1WR1UQ52UQ4.3-BGS/R	TPE	4	4	18	5	
=V1WR1UQ52UQ4.4-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.12-X8	=V1WR1UQ52UQ4.4+V1WR1UQ52UQ4.4-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ4.5-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X1	=V1WR1UQ52UQ4.5+V1WR1UQ52UQ4.5-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ4.6-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X2	=V1WR1UQ52UQ4.6+V1WR1UQ52UQ4.6-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ5.1-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X3	=V1WR1UQ52UQ5.1+V1WR1UQ52UQ5.1-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ5.2-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X4	=V1WR1UQ52UQ5.2+V1WR1UQ52UQ5.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ5.3-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X5	=V1WR1UQ52UQ5.3+V1WR1UQ52UQ5.3-BGS/R	TPE	4	4	18	2	
=V1WR1UQ52UQ5.4-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X6	=V1WR1UQ52UQ5.4+V1WR1UQ52UQ5.4-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ6.1-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X7	=V1WR1UQ52UQ6.1+V1WR1UQ52UQ6.1-BGS/R	TPE	4	4	18	5	
=V1WR1UQ52UQ6.2-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.13-X8	=V1WR1UQ52UQ6.2+V1WR1UQ52UQ6.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ6.3-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.14-X1	=V1WR1UQ52UQ6.3+V1WR1UQ52UQ6.3-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ6.4-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.14-X2	=V1WR1UQ52UQ6.4+V1WR1UQ52UQ6.4-BGS/R	TPE	4	4	18	2	
=V1WR1UQ52UQ7.1-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.14-X3	=V1WR1UQ52UQ7.1+V1WR1UQ52UQ7.1-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ7.2-W1	=V1WR1UQ52KF1+V1WR1UQ52-KF1.14-X4	=V1WR1UQ52UQ7.2+V1WR1UQ52UQ7.2-BGS/R	TPE	4	4	18	2	
=V1WR1UQ52UQ8.1-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X1	=V1WR1UQ52UQ8.1+V1WR1UQ52UQ8.1-BGS/R	TPE	4	4	18	5	
=V1WR1UQ52UQ8.2-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X2	=V1WR1UQ52UQ8.2+V1WR1UQ52UQ8.2-BGS/R	TPE	4	4	18	2	
=V1WR1UQ52UQ9.1-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X3	=V1WR1UQ52UQ9.1+V1WR1UQ52UQ9.1-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ9.2-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X4	=V1WR1UQ52UQ9.2+V1WR1UQ52UQ9.2-BGS/R	TPE	4	4	18	2	
=V1WR1UQ52UQ10.1-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X5	=V1WR1UQ52UQ10.1+V1WR1UQ52UQ10.1-BGS/R	TPE	4	4	18	5	
=V1WR1UQ52UQ10.2-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X6	=V1WR1UQ52UQ10.2+V1WR1UQ52UQ10.2-BGS/R	TPE	4	4	18	3	
=V1WR1UQ52UQ11.1-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X7	=V1WR1UQ52UQ11.1+V1WR1UQ52UQ11.1-BGS/R	TPE	4	4	18	4	
=V1WR1UQ52UQ11.3-W1	=V1WR1UQ52KF2+V1WR1UQ52-KF2.11-X8	=V1WR1UQ52UQ11.3+V1WR1UQ52UQ11.3-BGS/R	TPE	4	4	18	2	
=V1FQ1-W12R	=V1FQ1+V1FQ1-BR11-R	=V1FQ1+V1FQ1-BR12-R	TPE	8	8	22	0.61	
=V1FQ1-W12T	=V1FQ1+V1FQ1-BR11-T	=V1FQ1+V1FQ1-BR12-T	TPE	8	8	22	0.61	
=V1AR41UQ41KF1-W1	=V1AR41UQ41KF1+V1AR41UQ41-KF1-X20	=V1AR41UQ41KF1+V1AR41UQ41-R3.CP/CS	TPU	5	5	16	2	
=V1AR42UQ41KF1-W1	=V1AR42UQ41KF1+V1AR42UQ41-KF1-X20	=V1AR42UQ41KF1+V1AR42UQ41-R3.CP/CS	TPU	5	5	16	2	
=V1FQ1-W1			TPU	5	0	16	20	
=V1GL11KF1-W1	=V1WC4+V1UC11-XD161	=V1GL11KF1+V1GL11-KF1.11	TPU	5	4	16		
=V1PZ1PF1-W1			TPU	10	0	16	20	
=V1SF0PG1-W1	=V1SF0PG1+V1UC51-XD1	=V1WC4+V1UC11-XD51	TPU	5	4	16	25	
=V1UQ51KF1-W1	=V1WC4+V1UC11-XD151	=V1UQ51KF1+V1UQ51-KF1-X20	TPU	5	5	16	30	
=V1WC3-W1			TPU	3	0	16	15	
=V1WC3-W2			TPU	3	0	16	5	
=V1WR1KF1-W1	=V1WC4+V1UC11-XD71	=V1WR1KF1+V1WR1-KF1.11	TPU	5	4	16	15	
=V1WR1KF2-W1	=V1WR1KF1+V1WR1-KF1.11	=V1WR1KF2+V1WR1-KF2.11	TPU	5	5	16	2	
=V1WR1UQ51KF1-W1	=V1WC4+V1UC46-XD51	=V1WR1UQ51KF1+V1WR1UQ51-KF1-X20	TPU	5	5	16	5	

			Date	12/2/2022	Volvo Trucks North America			Valiant TMS	Cable overview	Drawing name:		=
			Ed.	MKLEPADLO							+	
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Scale 1:1		Document type:		Page
Modification	Date	Name	Original		Replacement of	Replaced by				EMC	Project nr:	
											401	

Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=KF0-M1	1	Ground bar kit, 5 positions.	ECGB5	SIE	US2.ECGB5
=KF0-M1	1	Wiring Duct Covers, PVC	C1.5LG6	PAN	PAN.C1.5LG6
=KF0-M1	1	Wiring Duct Covers, PVC	C1LG6	PAN	PAN.C1LG6
=KF0-M1	1	Wide Slotted Wiring Duct, PVC	G1.5X4LG6	PAN	PAN.G1.5X4LG6
=KF0-M1	1	Wide Slotted Wiring Duct, PVC	G1X4LG6	PAN	PAN.G1X4LG6
=KF0-M1	1	STAND SECTIONAL RAIL 35MM, LENGTH 483MM	6ES5710-8MA11	Siemens AG	SIE.6ES5710-8MA11
=KF0-UC31	1	PC PC enclosure system, WHD: 800x1600x600 mm, Sheet steel	PC.5386050	RIT	RIT.5386050
=KF0-UC31	1				TS 8617.580
=KF0-UC31	1				TS 8640.003
=KF0-UC31	1				TS 8640.033
=KF0-UC91	1	Pushbutton Enclosure, Type 12, 4PB, 22.5mm holes, 10.00Hx3.25Wx2.75D, Gray, Steel	E4PBG	HOFFMAN	HOF.E4PBG
=KF0-UC91	1	Hol-Sealers Hole Seal, 1.22" diameter, Gray, Steel	ASPBG	HOFFMAN	ASPBG
=KF0-UC92	1	Pushbutton Enclosure, Type 12, 4PB, 22.5mm holes, 10.00Hx3.25Wx2.75D, Gray, Steel	E4PBG	HOFFMAN	HOF.E4PBG
=KF0-UC92	1	LEGEND PLATET KTC15-1005	KTC15-1005		ABB.15FA616915R1005
=KF0-UC92	1	Hol-Sealers Hole Seal, 1.22" diameter, Gray, Steel	ASPBG	HOFFMAN	ASPBG
=KF0KF1-KF1.31	1	CPU 1515F-2 PN, 750KB Prog.,3MB Data	6ES7515-2FM02-0AB0	SIE	SIE.6ES7515-2FM02-0AB0
=KF0KF1-KF1.31	1	SIMATIC S7 MEMORY CARD, 2 GB	6ES7954-8LP03-0AA0	SIE	SIE.6ES7954-8LP03-0AA0
=KF0KF1-KF1.31	1	MOUNTING RAIL 160MM (6.3")	6ES7590-1AB60-0AA0	SIE	SIE.6ES7590-1AB60-0AA0
=KF0KF1-KF31	1				SIE.6ES7155-GAA01-0BN0_subassembly
=KF0KF1-KF31	1	ET200SP, SERVERMODULE	6ES7193-6PA00-0AA0		SIE.6ES7193-6PA00-0AA0
=KF0KF1-KF31.11	1	ET 200SP, DI 16x 24V DC ST, PU 1	6ES7131-6BH01-0BA0	SIE	SIE.6ES7131-6BH01-0BA0
=KF0KF1-KF31.11	1	BASEUNIT TYPE A0, BU15-P16+A0+2D	6ES7193-6BP00-0DA0	SIE	SIE.6ES7193-6BP00-0DA0
=KF0KF1-KF31.21	1	ET 200SP, DQ 16x 24V DC/O,5A ST, PU 1	6ES7132-6BH01-0BA0	SIE	SIE.6ES7132-6BH01-0BA0
=KF0KF1-KF31.21	1	BASEUNIT TYPE A0, BU15-P16+A0+2D	6ES7193-6BP00-0DA0	SIE	SIE.6ES7193-6BP00-0DA0
=KF0KF1-KF31.31	1	ET 200SP, EI-Mod., F-DI 8x24VDC HF	6ES7136-6BA01-0CA0	SIE	SIE.6ES7136-6BA01-0CA0
=KF0KF1-KF31.31	1	BASEUNIT TYPE A0, BU15-P16+A0+2D	6ES7193-6BP00-0DA0	SIE	SIE.6ES7193-6BP00-0DA0
=KF0KF1-KF99.31	1	SCALANCE S615	6GK5615-0AA00-2AA2	SIE	SIE.6GK5615-0AA00-2AA2
=KF0KF1-KF100.31	1	SCALANCE XC216	6GK5216-0BA00-2AC2	SIE	SIE.6GK5216-0BA00-2AC2
=KF0KF1-KF100.31-P6	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P7	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P8	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P9	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P10	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P11	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P12	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P13	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P14	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P15	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-KF100.31-P16	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M	TURCK	TUR.RJ45S FKSDDED 423-1M
=KF0KF1-XG1	1				4000-73000-0180000
=KF0KF1-XG2	1				4000-73000-0180000
=KF0PZ1-PF1	1	Signaling column connection element for pipe mounting incl. end cover and seal	8WD4408-OAA	SIE	SIE.8WD4408-OAA
=KF0PZ1-PF1	1	Tube with foot, tube length 100 mm, accessory for signaling columns 8WD44, D=70mm	8WD4308-ODA	SIEMENS	SIE.8WD4308-ODA
=KF0PZ1-PF1	1	Signaling column multifunctional siren element different sounds can be set 24 V	8WD4420-0EA2		SIE.8WD4420-0EA2
=KF0PZ1-PF1	1	Signaling column continuous light element LED red, 24 V AC/DC	8WD4420-5AB	SIE	SIE.8WD4420-5AB
=KF0PZ1-PF1	1	Signaling column continuous light element LED green, 24 V AC/DC	8WD4420-5AC	SIE	SIE.8WD4420-5AC
=KF0WC3-FC1	1	Miniature Circuit Breaker - SU200 M - 1P - C - 10 A	SU201M-C10	ABB	ABB.2CDS271337R0104
=KF0WC3-FC1	1	S2C-H6RU - Auxiliary Contact	S2C-H6RU	ABB	ABB.2CDS200914R0001
=KF0WC3-FC2	1	Miniature Circuit Breaker - SU200 M - 1P - C - 10 A	SU201M-C10	ABB	ABB.2CDS271337R0104
=KF0WC3-FC2	1	S2C-H6RU - Auxiliary Contact	S2C-H6RU	ABB	ABB.2CDS200914R0001
=KF0WC4-FC11	1	SITOP PSE200U	6EP1961-2BA41	SIE	SIE.6EP1961-2BA41
=KF0WC4-GA1	1	SITOP UPS1600	6EP4134-3AB00-2AY0		SIE.6EP4134-3AB00-2AY0
=KF0WC4-GB1	1	SITOP UPS1100	6EP4134-0GB00-0AY0	SIE	SIE.6EP4134-0GB00-0AY0
=KF0WC4-TA1	1	SITOP PSU6200 1ph 24 V/20 A	6EP3336-7SB00-3AX0		SIE.6EP3336-7SB00-3AX0

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Date	11/14/2022	Volvo Trucks North America	Valiant TMS	Parts list : US2.ECGB5 - SIE.6EP3336-7SB00-3AX0	Drawing name: = 2V12&EFS-EL	=
Ed.	KMAFFRE					+ UC31
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1
						Document type: EPB
						Project nr: 22-16145
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Parts list

F01_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=VIAR21-FC1	1		EMPD3FBCB-025A-M	Electro-Matic	EMPD3FBCB-025A-M
=VIAR22-FC1	1		EMPD3FBCB-025A-M	Electro-Matic	EMPD3FBCB-025A-M
=VIAR23-FC1	1		EMPD3FBCB-025A-M	Electro-Matic	EMPD3FBCB-025A-M
=VIAR41-FC1	1		EMPD3FBCB-025A-M	Electro-Matic	EMPD3FBCB-025A-M
=VIAR42-FC1	1		EMPD3FBCB-025A-M	Electro-Matic	EMPD3FBCB-025A-M
=VIG10GL21-FC1	1	3P-C32	S203-C32	ABB	ABB.2CDS253001R0324
=VIG10GL21-FC1	1	Auxiliary Contact	S2C-H6R	ABB	ABB.2CDS200912R0001
=VIGL11-FC1	1		EMPD3FBCB-005A-M	Electro-Matic	EMPD3FBCB-005A-M
=VIKF1-KF11	1				SIE.6ES7155-6AA01-0BNO_subassembly
=VIKF1-KF11	1	ET200SP, SERVERMODULE	6ES7193-6PA00-0AA0		SIE.6ES7193-6PA00-0AA0
=VIKF1-KF11.11	1	ET 200SP, DI 16x 24V DC ST, PU 1	6ES7193-6BH01-0BA0	SIE	SIE.6ES7193-6BH01-0BA0
=VIKF1-KF11.11	1	BASEUNIT TYPE A0, BU15-P16+A0+2D	6ES7193-6BP00-0DA0	SIE	SIE.6ES7193-6BP00-0DA0
=VIKF1-KF11.12	1	ET 200SP, DI 16x 24V DC ST, PU 1	6ES7193-6BH01-0BA0	SIE	SIE.6ES7193-6BH01-0BA0
=VIKF1-KF11.12	1	BASEUNIT TYPE A0, BU15-P16+A0+2B	6ES7193-6BP00-0BA0	SIE	SIE.6ES7193-6BP00-0BA0
=VIKF1-KF11.13	1	ET 200SP, DI 16x 24V DC ST, PU 1	6ES7193-6BH01-0BA0	SIE	SIE.6ES7193-6BH01-0BA0
=VIKF1-KF11.13	1	BASEUNIT TYPE A0, BU15-P16+A0+2B	6ES7193-6BP00-0BA0	SIE	SIE.6ES7193-6BP00-0BA0
=VIKF1-KF11.14	1	ET 200SP, DI 16x 24V DC ST, PU 1	6ES7193-6BH01-0BA0	SIE	SIE.6ES7193-6BH01-0BA0
=VIKF1-KF11.14	1	BASEUNIT TYPE A0, BU15-P16+A0+2B	6ES7193-6BP00-0BA0	SIE	SIE.6ES7193-6BP00-0BA0
=VIKF1-KF11.21	1	ET 200SP, DQ 16x 24V DC/0,5A ST, PU 1	6ES7132-6BH01-0BA0	SIE	SIE.6ES7132-6BH01-0BA0
=VIKF1-KF11.21	1	BASEUNIT TYPE A0, BU15-P16+A0+2D	6ES7193-6BP00-0DA0	SIE	SIE.6ES7193-6BP00-0DA0
=VIKF1-KF11.31	1	ET 200SP, EI-Mod., F-DI 8x24VDC HF	6ES7136-6BA00-0CA0	SIEMENS	SIE.6ES7136-6BA00-0CA0
=VIKF1-KF11.31	1	BASEUNIT TYPE A0, BU15-P16+A0+2B	6ES7193-6BP00-0BA0	SIE	SIE.6ES7193-6BP00-0BA0
=VIKF1-KF11.32	1	ET 200SP, EI-Mod., F-DI 8x24VDC HF	6ES7136-6BA00-0CA0	SIEMENS	SIE.6ES7136-6BA00-0CA0
=VIKF1-KF11.32	1	BASEUNIT TYPE A0, BU15-P16+A0+2B	6ES7193-6BP00-0BA0	SIE	SIE.6ES7193-6BP00-0BA0
=VIKF1-KF11.41	1	ET 200SP, EI-Mod., F-DQ 4xDC 24V/2A	6ES7136-6DB00-0CA0		SIE.6ES7136-6DB00-0CA0
=VIKF1-KF11.41	1	BASEUNIT TYPE A0, BU15-P16+A0+2B	6ES7193-6BP00-0BA0	SIE	SIE.6ES7193-6BP00-0BA0
=VIKF1-KF11.42	1	ET 200SP, EI-Mod., F-DQ 4xDC 24V/2A	6ES7136-6DB00-0CA0		SIE.6ES7136-6DB00-0CA0
=VIKF1-KF11.42	1	BASEUNIT TYPE A0, BU15-P16+A0+2B	6ES7193-6BP00-0BA0	SIE	SIE.6ES7193-6BP00-0BA0
=VIKF1-KF11.51	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=VIKF1-KF11.51	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=VIKF1-KF11.52	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=VIKF1-KF11.52	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=VIKF1-KF11.53	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=VIKF1-KF11.53	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=VIKF1-KF11.54	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=VIKF1-KF11.54	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=VIKF1-KF100.11	1	SCALANCE XC216	6GK5216-0BA00-2AC2	SIE	SIE.6GK5216-0BA00-2AC2
=VIWC1-FC1	1	MCCB_UL_FS125_15A_3P_65KA_TM_FTFM	3VA5195-6ED31-0AA0	SIE	SIE.3VA5195-6ED31-0AA0
=VIWC1-KF1.1	1	BREAKER DATA SERVER, COM100	3VA9977-0TA20	SIE	SIE.3VA9977-0TA20
=VIWC1-KF1.2	1	Switched Ethernet PROFINET Module V3	7KM9300-0AE02-0AA0		SIE.7KM9300-0AE02-0AA0
=VIWC1-QB1	1	MCCB_UL_FS250_250A_3P_65KA_ETU8_LSI	3VA6225-6KP31-0AA0	SIE	SIE.3VA6225-6KP31-0AA0
=VIWC1-QB1-KF1	1	COMMUNICATION MODULE COM060	3VA9177-0TB10	SIE	SIE.3VA9177-0TB10
=VIWC1-TA1	1	Transformer	PTN102-3K	POWERTRAN	PTN102-3K
=VIWC2-A3	1	Multi-Environment Voltage Indicator and Safe-Test Point Combination Unit with Vertical Ring Warning Label			GT.R-3W2MT-LMF
=VIWC2-FC1	1	MCCB_UL_FS125_20A_3P_65KA_TM_FTFM	3VA5120-6ED31-0AA0	SIE	SIE.3VA5120-6ED31-0AA0
=VIWC2-FC1	1	SETRON auxiliary switch Accessories for 3VA circuit breakers	3VA9978-0AA12	SIE	SIE.3VA9978-0AA12
=VIWC2-FC2	1	CIRCUIT BREAKER 10KA, 3POLE, C, 3A	5S34303-7HG42	SIE	SIE.5S34303-7HG42
=VIWC2-TA2	1	Transformer	PTN102-7.5K	POWERTRAN	PTN102-7.5K
=VIWC3-FC2	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 20A, D=70MM	5S34120-7HG41	SIE	SIE.5S34120-7HG41
=VIWC3-FC2	1	AUXILIARY SWITCH 1NO1NC UL489	5ST3010-0HG	SIE	SIE.5ST3010-0HG
=VIWC3-FC3	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 10A, D=70MM	5S34110-7HG41	SIE	SIE.5S34110-7HG41
=VIWC3-FC3	1	AUXILIARY SWITCH 1NO1NC UL489	5ST3010-0HG	SIE	SIE.5ST3010-0HG
=VIWC3-FC4	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 3A, D=70MM	5S34103-7HG41	SIE	SIE.5S34103-7HG41
=VIWC3-FC4	1	AUXILIARY SWITCH 1NO1NC UL489	5ST3010-0HG	SIE	SIE.5ST3010-0HG
=VIWC3-FC5	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 16A, D=70MM	5S34116-7HG41	SIE	SIE.5S34116-7HG41
=VIWC3-FC6	1	CIRCUIT BREAKER 240V 15KA, 1-POLE, C, 15A, D=70MM	5S34118-7HG41	SIE	SIE.5S34118-7HG41

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Date	11/14/2022	Volvo Trucks North America	Valiant TMS	Parts list : EMPD3FBCB-025A-M - SIE.5S34118-7HG41	Drawing name: = 2V12&EFS-EL	= + VIUC11
Ed.	KMAFFRE					
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell				
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1
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Parts list

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Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1KF1-KF46	1				SIE.6ES7155-6AA01-0BNO_subassembly
=V1KF1-KF46	1	ET200SP_SERVERMODULE	6ES7193-6PA00-0AA0		SIE.6ES7193-6PA00-0AA0
=V1KF1-KF46.11	1	ET 200SP, DI 16x 24V DC ST, PU 1	6ES7131-6BH01-0BA0	SIE	SIE.6ES7131-6BH01-0BA0
=V1KF1-KF46.11	1	BASEUNIT TYPE A0, BU15-P16+A0+2D	6ES7193-6BP00-0DA0	SIE	SIE.6ES7193-6BP00-0DA0
=V1KF1-KF46.41	1	ET 200SP, EI-Mod., F-DQ 4xDC 24V/2A	6ES7136-6DB00-0CA0		SIE.6ES7136-6DB00-0CA0
=V1KF1-KF46.41	1	BASEUNIT TYPE A0, BU15-P16+A0+2D	6ES7193-6BP00-0DA0	SIE	SIE.6ES7193-6BP00-0DA0
=V1KF1-KF46.51	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=V1KF1-KF46.51	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-KF46.52	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=V1KF1-KF46.52	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-KF46.53	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=V1KF1-KF46.53	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-KF46.54	1	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0		SIE.6ES7136-6RA00-0BF0
=V1KF1-KF46.54	1	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-KF100.46	1	SCALANCE XC208	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-PNET1	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-PNET1	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-PNET51	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-PNET52	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-PNET53	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-PNET54	1	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1KF1-UC01	1	Compact enclosure AX	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1UC46-M1	1	Ground bar kit, 5 positions.	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1UC46-M1	1	Wiring Duct Covers, PVC	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1UC46-M1	1	Wiring Duct Covers, PVC	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1UC46-M1	1	Wide Slotted Wiring Duct, PVC	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1UC46-M1	1	Wide Slotted Wiring Duct, PVC	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1UC46-M1	1	STAND.SECTIONAL RAIL 35MM, LENGTH 483MM	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC3-FC1	1	Miniature Circuit Breaker - SU200 M - 1P - C - 10 A	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC3-FC1	1	S2C-H6RU - Auxiliary Contact	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC3-XD1	1	RECEPTACLE MINI 3P MALE 1M	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC4-FC11	1	SITOP PSE200U	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC4-TA1	1	SITOP PSU6200 1ph 24 V/20 A	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC4-XD51	1	SWITCH	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC4-XD52	1	RECEPTACLE MINI 5P FEMALE 1M	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC4-XD53	1	RECEPTACLE MINI 5P FEMALE 1M	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0
=V1WC4-XD54	1	RECEPTACLE MINI 5P FEMALE 1M	6ES7193-6BP20-0BF0	SIE	SIE.6ES7193-6BP20-0BF0

+ .UC11/2

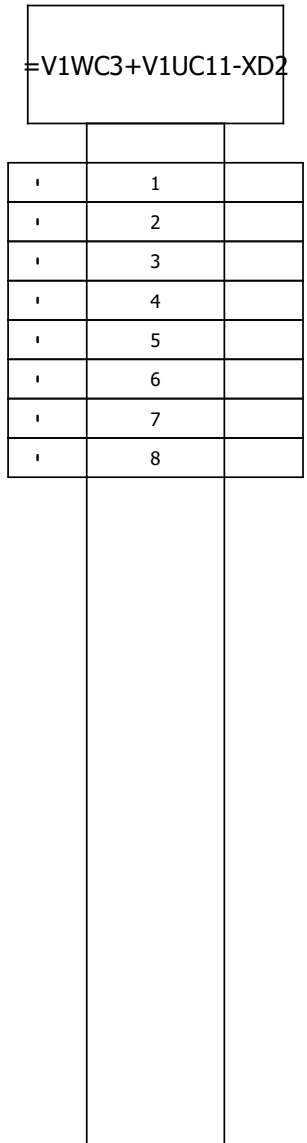
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Date		11/14/2022		Volvo Trucks North America		Valiant TMS		Parts list : SIE.6ES7155-6AA01-0BNO_subassembly		Drawing name:		=	
Ed.		KMAFFRE						TUR.RKF 50-1M/NPT		= 2V12&EFS-EL		+ V1UC46	
Appr				P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		Page	
Original				Replacement of		Replaced by		Scale 1:1		EPB		1	
										Project nr:		401	
										22-16145			

Terminal line-up diagram

F12_001

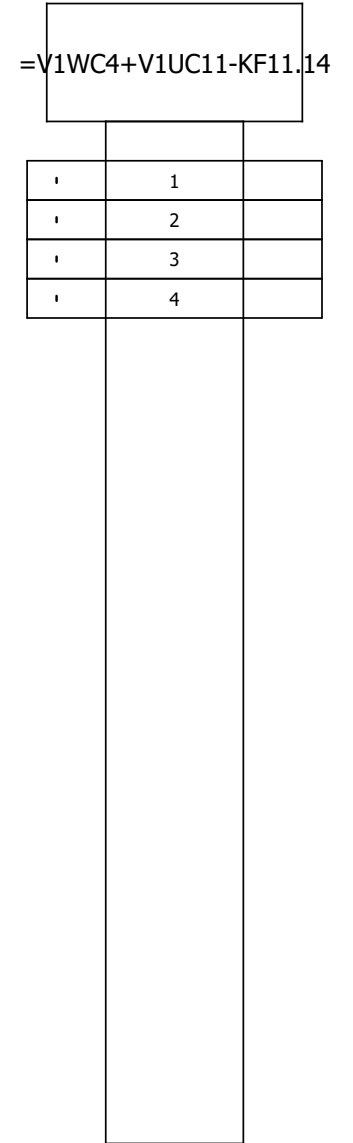
Part number					
Mounting rail			Strip label	End angle rear	End plate
Terminal					
Part number	Type number	Cross-section	Terminal label	Jumper	Cover
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			
1SNK706012R0000	ZK4-4P	4			



Terminal line-up diagram

F12_001

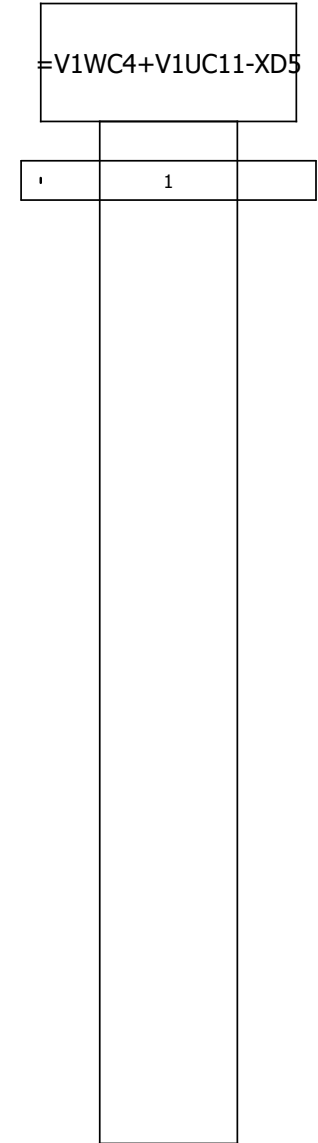
Part number					
Mounting rail			Strip label	End angle rear	End plate
Terminal					
Part number	Type number	Cross-section	Terminal label	Jumper	Cover
1SNK705012R0000	ZK2.5-4P	2.5			
1SNK705012R0000	ZK2.5-4P	2.5			
1SNK705012R0000	ZK2.5-4P	2.5			
1SNK705012R0000	ZK2.5-4P	2.5			



Terminal line-up diagram

F12_001

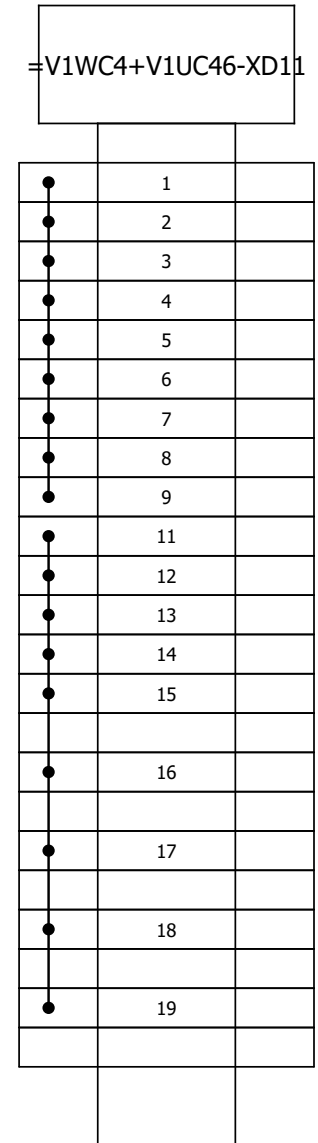
Part number					
Mounting rail			Strip label	End angle rear	End plate
Terminal					
Part number	Type number	Cross-section	Terminal label	Jumper	Cover
1SNK705012R0000	ZK2.5-4P	2.5			



Terminal line-up diagram

F12_001

Part number					
Mounting rail			Strip label	End angle rear	End plate
Terminal					
Part number	Type number	Cross-section	Terminal label	Jumper	Cover
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.1608800000	ZAP/TW 3				
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.1608800000	ZAP/TW 3				
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.1608800000	ZAP/TW 3				
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.1608800000	ZAP/TW 3				
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.1608800000	ZAP/TW 3				
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.1608800000	ZAP/TW 3				
WEI.8731720000	ZTR 2.5/3AN	2.5			
WEI.1608800000	ZAP/TW 3				



			Date	11/14/2022	Volvo Trucks North America	Valiant TMS	Terminal line-up diagram =V1WC4+V1UC46-XD11	Drawing name:	=	
			Ed.	KMAFFRE						
			Appr		P6700 Rear Wall Hdr & Door Ring RH Cell	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of		Replaced by	ETT	22-16145	401

Summarized parts list

F02_001

Order number	Quantity	Description Designation	Type number Part number	Manufacturer Supplier	Unit price	Total price	Pos
	6 Piece	Mounting rail EN 50 022 (35x7,5)	TS 35_7,5 TS 35_7,5		0.00	0.00	
	0					0.00	
ECGB5	2 Piece	Ground bar kit, 5 positions.	ECGB5 US2.ECGB5	SIE SIE	0.00	0.00	
C1.5LG6	2 ft	Wiring Duct Covers, PVC	C1.5LG6 PAN.C1.5LG6	PAN PAN	0.00	0.00	
C1LG6	1 ft	Wiring Duct Covers, PVC	C1LG6 PAN.C1LG6	PAN PAN	0.00	0.00	
G1.5X4LG6	2 ft	Wide Slotted Wiring Duct, PVC	G1.5X4LG6 PAN.G1.5X4LG6	PAN PAN	0.00	0.00	
G1X4LG6	1 ft	Wide Slotted Wiring Duct, PVC	G1X4LG6 PAN.G1X4LG6	PAN PAN	0.00	0.00	
6ES5710-8MA11	2	STAND.SECTIONAL RAIL 35MM, LENGTH 483MM	6ES5710-8MA11 SIE.6ES5710-8MA11	SIE Siemens AG	0.00	0.00	
5386050	1 pc(s)	PC PC enclosure system, WHD: 800x1600x600 mm, Sheet steel	PC.5386050 RIT.5386050	RIT RIT	0.00	0.00	
	1		TS 8617.580		0.00	0.00	
	1		TS 8640.003		0.00	0.00	
	1		TS 8640.033		0.00	0.00	
E4PBG	2 piece	Pushbutton Enclosure, Type 12, 4PB, 22.5mm holes, 10.00Hx3.25Wx2.75D, Gray, Steel	E4PBG HOFFMAN	HOFFMAN HOFFMAN	0.00	0.00	
ASPBG	2 piece	Hol-Sealers Hole Seal, 1.22" diameter, Gray, Steel	ASPBG ASPBG	HOFFMAN HOFFMAN	0.00	0.00	
1SFA616915R1005	2 Piece	LEGEND PLATET KTC15-1005	KTC15-1005 ABB.1SFA616915R1005	ABB	0.00	0.00	
1SFA619550R1051	1 PCE	EMERGENCY STOP CE4T-10R-02	CE4T-10R-02 ABB.1SFA619550R1051	ABB ABB	0.00	0.00	
6ES7515-2FM02-0AB0	1	CPU 1515F-2 PN, 750KB Prog.,3MB Data	6ES7515-2FM02-0AB0 SIE.6ES7515-2FM02-0AB0	SIE SIE	0.00	0.00	
6ES7590-1AB60-0AA0	1	MOUNTING RAIL 160MM (6.3")	6ES7590-1AB60-0AA0 SIE.6ES7590-1AB60-0AA0	SIE SIE	0.00	0.00	
6ES7155-6AA01-0BN0	3	ET 200SP, IM155-6PN ST INCL. BA 2XRJ45	6ES7155-6AA01-0BN0 SIE.6ES7155-6AA01-0BN0	SIE SIE	0.00	0.00	

&ETT/35

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Date	11/14/2022	Volvo Trucks North America	Valiant TMS	Summarized parts list : TS 35_7,5 - SIE.6ES7155-6AA01-0BN0	Drawing name: =2V12&EFS-EL	=
Ed.	KMAFFRE					+
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type: EXX	Project nr: 22-16145
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1
						Page 1 401

Summarized parts list

F02_001

Order number	Quantity	Description Designation	Type number Part number	Manufacturer Supplier	Unit price	Total price	Pos
6ES7131-6BH01-0BA0	6	ET 200SP, DI 16x 24V DC ST, PU 1	6ES7131-6BH01-0BA0 SIE.6ES7131-6BH01-0BA0	SIE SIE	0.00	0.00	
6ES7132-6BH01-0BA0	2	ET 200SP, DQ 16x 24V DC/0,5A ST, PU 1	6ES7132-6BH01-0BA0 SIE.6ES7132-6BH01-0BA0	SIE SIE	0.00	0.00	
6ES7136-6BA01-0CA0	1	ET 200SP, EI-Mod., F-DI 8x24VDC HF	6ES7136-6BA01-0CA0 SIE.6ES7136-6BA01-0CA0	SIE SIE	0.00	0.00	
6GK5615-0AA00-2AA2	1	SCALANCE S615	6GK5615-0AA00-2AA2 SIE.6GK5615-0AA00-2AA2	SIE SIE	0.00	0.00	
6GK5216-0BA00-2AC2	2	SCALANCE XC216	6GK5216-0BA00-2AC2 SIE.6GK5216-0BA00-2AC2	SIE SIE	0.00	0.00	
RJ45S FKSDDED 423-1M	45	Profinet cable - RJ45 plug to M12 Female receptacle; 1m long	RJ45S FKSDDED 423-1M TUR.RJ45S FKSDDED 423-1M	TURCK TURCK	0.00	0.00	
	2		4000-73000-0180000		0.00	0.00	
8WD4408-0AA	2 piece	Signaling column connection element for pipe mounting incl. end	8WD4408-0AA SIE.8WD4408-0AA	SIE SIE	0.00	0.00	
8WD4420-0EA2	2 piece	Signaling column multifunctional siren element different sounds	8WD4420-0EA2 SIE.8WD4420-0EA2	SIE	0.00	0.00	
8WD4420-5AB	2 piece	Signaling column continuous light element LED red, 24 V AC/DC	8WD4420-5AB SIE.8WD4420-5AB	SIE SIE	0.00	0.00	
8WD4420-5AC	2 piece	Signaling column continuous light element LED green, 24 V AC/DC	8WD4420-5AC SIE.8WD4420-5AC	SIE SIE	0.00	0.00	
1SFA619100R1022	1 PCE	PUSHBUTTON CP1-10G-20	CP1-10G-20 ABB.1SFA619100R1022	ABB ABB	0.00	0.00	
1SFA619100R1023	1 PCE	PUSHBUTTON CP1-10Y-20	CP1-10Y-20 ABB.1SFA619100R1023	ABB ABB	0.00	0.00	
1SFA619100R1111	1 PCE	PUSHBUTTON CP1-11R-10 24V AC/DC	CP1-11R-10 ABB.1SFA619100R1111	ABB ABB	0.00	0.00	
1SFA619100R1026	1 PCE	PUSHBUTTON CP1-10B-20	CP1-10B-20 ABB.1SFA619100R1026	ABB ABB	0.00	0.00	
1SFA619100R1118	1 PCE	PUSHBUTTON CP1-11C-10	CP1-11C-10 ABB.1SFA619100R1118	ABB ABB	0.00	0.00	
1SFA619200R1016	1 PCE	SELECTOR SWITCH C2SS1-10B-10	C2SS1-10B-10 ABB.1SFA619200R1016	ABB ABB	0.00	0.00	
2CDS271337R0104	3 PCE	Miniature Circuit Breaker - SU200 M - 1P - C - 10 A	SU201M-C10 ABB.2CDS271337R0104	ABB ABB	0.00	0.00	
6EP19612BA41	2	SITOP PSE200U	6EP1961-2BA41 SIE.6EP1961-2BA41	SIE SIE	0.00	0.00	

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Date	12/2/2022	Volvo Trucks North America	Valiant TMS	Summarized parts list : SIE.6ES7131-6BH01-0BA0 - SIE.6EP1961-2BA41	Drawing name:	=
Ed.	MKLEPADLO					+
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Project nr:
Original		Replacement of	Replaced by	Scale 1:1	EXX	22-16145
Modification	Date	Name	Original			Page
						2
						401

Summarized parts list

F02_001

Order number	Quantity	Description Designation	Type number Part number	Manufacturer Supplier	Unit price	Total price	Pos
6EP4134-3AB00-2AY0	1	SITOP UPS1600	6EP4134-3AB00-2AY0 SIE.6EP4134-3AB00-2AY0	SIE	0.00	0.00	
6EP4134-0GB00-0AY0	1	SITOP UPS1100	6EP4134-0GB00-0AY0 SIE.6EP4134-0GB00-0AY0	SIE SIE	0.00	0.00	
6EP3336-7SB00-3AX0	4	SITOP PSU6200 1ph 24 V/20 A	6EP3336-7SB00-3AX0 SIE.6EP3336-7SB00-3AX0	SIE	0.00	0.00	
EMPD3FBCB-025A-M	5		EMPD3FBCB-025A-M EMPD3FBCB-025A-M	Electro-Matic Electro-Matic	0.00	0.00	
2CMA193115R1000	5	Surface socket-outlet	ABB.2CMA193115R1000	ABB ABB	0.00	0.00	
1625891	5 piece	Inductive sensor	NI50U-CK40-AP6X2-H1141/S1590 W/BS4_A TUR.1625891	TUR Turck	0.00	0.00	
	1		TUR.1625891.			0.00	
VB2-FSM 4.4/2FKM 4/S3450	17	Y splitter	U2-30676 TUR.VB2-FSM 4.4/2FKM 4/S3450	TURCK TURCK	0.00	0.00	
548755	0	Bus node	CPX-FB33 FES.548755	FES FES	0.00	0.00	
550208	0	Interlinking block	CPX-M-GE-EV-S-7/8-5POL FES.550208	FES FES	0.00	0.00	
549335	0	Manifold block	CPX-M-AB-8-M12X2-5POL FES.549335	FES FES	0.00	0.00	
1324638	36 piece	Inductive sensor Monitoring Kit for Power Clamps	1324638 TUN.1324638	TUNKERS TUNKERS	0.00	0.00	
1324644	18 piece	Inductive sensor Monitoring Kit for Power Clamps	1324644 TUN.1324644	TUNKERS TUNKERS	0.00	0.00	
802T-AMP	1	NEMA Limit Switch - NEMA Type 4 & 13 Oiltight Construction	802T-AMP A-B.802T-AMP	A-B A-B	0.00	0.00	
SLSCP30-1200P44NT	2	EZ-Screen System	SLSCP30-1200P44NT BAN.SLSCP30-1200P44NT	BANNER BANNER	0.00	0.00	
SLSCP30-1200P88	1	EZ-Screen System	SLSCP30-1200P88 BAN.SLSCP30-1200P88	BANNER BANNER	0.00	0.00	
MGB-L2B-PNA-R-121859	2 Piece	SWITCH	MGB-L2B-PNA-R-121859 EUC.MGB-L2B-PNA-R-121859	EUCHNER EUCHNER	0.00	0.00	
MGB-H-AA1A2-R-106049	1 Piece	HANDLE	MGB-H-AA1A2-R-106049 EUC.MGB-H-AA1A2-R-106049	EUCHNER EUCHNER	0.00	0.00	
MGB-A-MOUNTINGPLATE-H-109491	1 Piece	MOUNTING PLATE	MGB-A-MOUNTINGPLATE-H-109491 EUC.MGB-A-MOUNTINGPLATE-H-109491	EUCHNER EUCHNER	0.00	0.00	

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Date	12/2/2022	Volvo Trucks North America	Valiant TMS	Summarized parts list : SIE.6EP4134-3AB00-2AY0 - EUC.MGB-A-MOUNTINGPLATE-H-109491	Drawing name:	=
Ed.	MKLEPADLO					+
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	Page 3
Original		Replacement of	Replaced by	Scale 1:1	Project nr:	401
Modification	Date	Name	Original		EXX	22-16145

Summarized parts list

F02_001

Order number	Quantity	Description Designation	Type number Part number	Manufacturer Supplier	Unit price	Total price	Pos
MGB-E-A2-106051	1 Piece	ESCAPE RELEASE	MGB-E-A2-106051 EUC.MGB-E-A2-106051	EUCHNER EUCHNER	0.00	0.00	
	4		A-B.440F-M2036HYNN			0.00	
2CDS253001R0324	1 PCE	3P-C32	S203-C32 ABB.2CDS253001R0324	ABB ABB	0.00	0.00	
EMPD3FBCB-005A-M	1		EMPD3FBCB-005A-M EMPD3FBCB-005A-M	Electro-Matic Electro-Matic	0.00	0.00	
73085	2 piece	QS30 Series High-Performance Long-Range Sensor	QS30LPQPMA BAN.73085	BANNER	0.00	0.00	
6SL3544-0FB21-1FA0	1 ST	SINAMICS G120D	6SL3544-0FB21-1FA0 SIE.6SL3544-0FB21-1FA0	SIE SIE	0.00	0.00	
6SL3525-0PE17-5AA1	1 ST	SINAMICS PM250D-IP65-FSA-A-400V 0,75 KW	6SL3525-0PE17-5AA1 SIE.6SL3525-0PE17-5AA1	SIE SIE	0.00	0.00	
6ES7136-6BA00-0CA0	2	ET 200SP, EI-Mod., F-DI 8x24VDC HF	6ES7136-6BA00-0CA0 SIE.6ES7136-6BA00-0CA0	SIE SIEMENS	0.00	0.00	
6ES7136-6DB00-0CA0	3	ET 200SP, EI-Mod., F-DQ 4xDC 24V/2A	6ES7136-6DB00-0CA0 SIE.6ES7136-6DB00-0CA0	SIE	0.00	0.00	
6ES7136-6RA00-0BF0	8	ET 200SP, F-RQ 1x24VDC/24..230VAC/5A ST	6ES7136-6RA00-0BF0 SIE.6ES7136-6RA00-0BF0	SIE	0.00	0.00	
6ES7193-6BP20-0BF0	4	BASEUNIT TYPE F0, BU20-P8+A4+0B	6ES7193-6BP20-0BF0 SIE.6ES7193-6BP20-0BF0	SIE SIE	0.00	0.00	
6GK5208-0BA00-2AC2	1	SCALANCE XC208	6GK5208-0BA00-2AC2 SIE.6GK5208-0BA00-2AC2	SIE SIE	0.00	0.00	
1050000	1 piece	Compact enclosure AX	AX.1050000 RIT.1050000	RIT	0.00	0.00	
8WD4420-5AD	1 piece	Signaling column continuous light element LED yellow, 24 V AC/DC	8WD4420-5AD SIE.8WD4420-5AD	SIE SIE	0.00	0.00	
8WD4420-5AF	1 piece	Signaling column continuous light element LED blue, 24 V AC/DC	8WD4420-5AF SIE.8WD4420-5AF	SIE SIE	0.00	0.00	
1574000	1 piece	Small enclosures KX	KX.1574000 RIT.1574000	RIT	0.00	0.00	
RSF 106-2M/14.5/NPT/CS16486	1	RECEPTACLE 1-1/8" MINIFAST 10P MALE 2M	RSF 106-2M/14.5/NPT/CS16486 TUR.RSF 106-2M/14.5/NPT/CS16486	TURCK TURCK	0.00	0.00	
6AV2124-0GC01-0AX0	1	SIMATIC HMI TP700 COMFORT	6AV2124-0GC01-0AX0 SIE.6AV2124-0GC01-0AX0	SIE SIE	0.00	0.00	
RJ45S FKSDED 423-0.5M	2	Profinet cable - RJ45 plug to M12 Female receptacle; 0.5m long	RJ45S FKSDED 423-0.5M TUR.RJ45S FKSDED 423-0.5M	TURCK TURCK	0.00	0.00	

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Date	12/2/2022	Volvo Trucks North America	Valiant TMS	Summarized parts list : EUC.MGB-E-A2-106051 - TUR.RJ45S FKSDED 423-0.5M	Drawing name:	=
Ed.	MKLEPADLO					+
Appr		P6700 Rear Wall Hdr & Door Ring RH Cell			Document type:	EXX
Original		Replacement of	Replaced by	Scale 1:1	Project nr:	22-16145
Modification	Date	Name	Original			Page
						4
						401

Summarized parts list

F02_001

Order number	Quantity	Description Designation	Type number Part number	Manufacturer Supplier	Unit price	Total price	Pos
6315150	1 piece	Compact enclosure AX	AX.6315150 RIT.6315150	RIT RIT	0.00	0.00	
5051300	1 pc(s).	Accessory bag, for AX	AX.5051300 RIT.5051300	RIT RIT	0.00	0.00	
5051368	1 pc(s).	Mounting plate, for AX	AX.5051368 RIT.5051368	RIT RIT	0.00	0.00	
RSF 50-1M/NPT	1	RECEPTACLE MINI 5P MALE 1M	RSF 50-1M/NPT TUR.RSF 50-1M/NPT	TURCK TURCK	0.00	0.00	
SSA-EBM-12EB1Q8OTBB	1 piece	Push-to-Stop, Twist-to-Release Electro-Mechanical Push Buttons	SSA-EBM Series BAN.SSA-EBM-12EB1Q8OTBB	BANNER BANNER	0.00	0.00	
C2LG6	1 ft	Wiring Duct Covers, PVC	C2LG6 PAN.C2LG6	PAN PAN	0.00	0.00	
G2X4LG6	1 ft	Wide Slotted Wiring Duct, PVC	G2X4LG6 PAN.G2X4LG6	PAN PAN	0.00	0.00	
	1		TUR.1644808			0.00	
1627297	16 piece	Inductive sensor	BI20U-CA40-AP6X2-H1141/S1590W/BS2.0 TUR.1627297	TUR Turck	0.00	0.00	
WWS001A	16	4-Wire, 4-Pin, DC M12 X 1 (PNP)	WWS001A WEL.WWS001A	WEL WEL	0.00	0.00	
3VA5195-6ED31-0AA0	1	MCCB_UL_FS125_15A_3P_65KA_TM_FTFM	3VA5195-6ED31-0AA0 SIE.3VA5195-6ED31-0AA0	SIE SIE	0.00	0.00	
3VA9977-0TA20	1	BREAKER DATA SERVER, COM100	3VA9977-0TA20 SIE.3VA9977-0TA20	SIE SIE	0.00	0.00	
7KM9300-0AE02-0AA0	1 Piece	Switched Ethernet PROFINET Module V3	7KM9300-0AE02-0AA0 SIE.7KM9300-0AE02-0AA0	SIE	0.00	0.00	
3VA6225-6KP31-0AA0	1	MCCB_UL_FS250_250A_3P_65KA_ETU8_LSI	3VA6225-6KP31-0AA0 SIE.3VA6225-6KP31-0AA0	SIE SIE	0.00	0.00	
3VA9177-0TB10	1	COMMUNICATION MODULE COM060	3VA9177-0TB10 SIE.3VA9177-0TB10	SIE SIE	0.00	0.00	
PTN102-3K	1 Piece	Transformer	PTN102-3K PTN102-3K	POWERTRAN POWERTRAN	0.00	0.00	
R-3W2MT-LMF	1 piece	Multi-Environment Voltage Indicator and Safe-Test Point Combination for R-3W2MT-LMF Vertical/Flange Warning Label	R-3W2MT-LMF	GT	0.00	0.00	
3VA5120-6ED31-0AA0	1	MCCB_UL_FS125_20A_3P_65KA_TM_FTFM	3VA5120-6ED31-0AA0 SIE.3VA5120-6ED31-0AA0	SIE SIE	0.00	0.00	
5SJ4303-7HG42	1	CIRCUIT BREAKER 10KA, 3POLE, C, 3A	5SJ4303-7HG42 SIE.5SJ4303-7HG42	SIE SIE	0.00	0.00	

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		Ed.	MKLEPADLO									+
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		
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Summarized parts list

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Order number	Quantity	Description Designation	Type number Part number	Manufacturer Supplier	Unit price	Total price	Pos
PTN102-7.5K	1 Piece	Transformer	PTN102-7.5K PTN102-7.5K	POWERTRAN POWERTRAN	0.00	0.00	
CPB-E2G06-03	1	3P DISTRIBUTION BLOCK 2 LINE / 6 LOAD	CPB-E2G06-03 CPB-E2G06-03	SYNDEVCO SYNDEVCO	0.00	0.00	
HCG-E2G06	1	3P GROUND BLOCK 2 LINE / 6 LOAD	HCG-E2G06 HCG-E2G06	SYNDEVCO SYNDEVCO	0.00	0.00	
MB-231-03	1	3P DISTRIBUTION BLOCK 1 LINE / 4 LOAD	MB-231-03 MB-231-03	SYNDEVCO SYNDEVCO	0.00	0.00	
STGS-3D-3D	1	3P GROUND BLOCK 3 LINE / 3 LOAD	STGS-3D-3D STGS-3D-3D	SYNDEVCO SYNDEVCO	0.00	0.00	
5SJ4120-7HG41	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 20A, D=70MM	5SJ4120-7HG41 SIE.5SJ4120-7HG41	SIE SIE	0.00	0.00	
5ST3010-0HG	7	AUXILARY SWITCH 1NO1NC UL489	5ST3010-0HG SIE.5ST3010-0HG	SIE SIE	0.00	0.00	
5SJ4110-7HG41	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 10A, D=70MM	5SJ4110-7HG41 SIE.5SJ4110-7HG41	SIE SIE	0.00	0.00	
5SJ4103-7HG41	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 3A, D=70MM	5SJ4103-7HG41 SIE.5SJ4103-7HG41	SIE SIE	0.00	0.00	
5SJ4116-7HG41	2	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 16A, D=70MM	5SJ4116-7HG41 SIE.5SJ4116-7HG41	SIE SIE	0.00	0.00	
5SJ4118-7HG41	3	CIRCUIT BREAKER 240V 15KA, 1-POLE, C, 15A, D=70MM	5SJ4118-7HG41 SIE.5SJ4118-7HG41	SIE SIE	0.00	0.00	
5SJ4106-7HG41	1	CIRCUIT BREAKER 240V 14KA, 1-POLE, C, 6A, D=70MM	5SJ4106-7HG41 SIE.5SJ4106-7HG41	SIE SIE	0.00	0.00	
1SNL317510R0000	4	DBL175 Series Distribution Block	1SNL317510R0000 1SNL317510R0000	ENTRELEC ENTRELEC	0.00	0.00	
P-P11#2R2-K3RD5	1 piece	Panel Interface Connector with USB Type A/F to USB Type A/M (Qty: 1) - Category 2 RJ45; Panel Mount Housing; UL Type 4; Duplex Outlet; 5 Amp Circuit Breaker	P-P11#2R2-K3RD5	GT_N	0.00	0.00	
RSF 36-1M W/LN	1	RECEPTACLE MINI 3P MALE 1M	RSF 36-1M W/LN TUR.RSF 36-1M W/LN	TURCK TURCK	0.00	0.00	
6EP4438-7FB00-3DX0	2	SITOP SEL1200 8 x 10A	6EP4438-7FB00-3DX0 SIE.6EP4438-7FB00-3DX0	SIE	0.00	0.00	
RKF 50-1M/NPT	3	RECEPTACLE MINI 5P FEMALE 1M	RKF 50-1M/NPT TUR.RKF 50-1M/NPT	TURCK TURCK	0.00	0.00	
	1		EMPD3FBCB-100A-M			0.00	
	1		P+F.SJ15-E2-V1-Y40122			0.00	

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		Ed.	MKLEPADLO									+
		Appr		P6700 Rear Wall Hdr & Door Ring RH Cell						Document type:		EXX
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Summarized parts list

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Order number	Quantity	Description Designation	Type number Part number	Manufacturer Supplier	Unit price	Total price	Pos
55556	2 Piece	Field bus, decentralized peripheral - digital I/O module	MVK-MPNIO F DI16/8 7/8" IRT MURR.55556	MURR	0.00	0.00	
	4		TUR.BS 8251-0/PG9			0.00	
1644741	11 piece	Inductive sensor	B18U-MT18M-AP6X2-H1141/S1589 TUR.1644741	TUR Turck	0.00	0.00	
	1		1627297			0.00	
	2		TUR.1324644			0.00	
U2109-9	1 piece	TEE, 5-PIN MINI, STANDARD KEYWAY	RSM-2RKM 50 TUR.RSM-2RKM 50	TURCK TURCK	0.00	0.00	
SETS8205SID5	3		Golvskåp TS 8 sidskåp	TS8 RIT.SETS8205SID5	RIT RIT	0.00	0.00

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Terminal-strip overview

F14_001

Terminal strip	Terminal strip definition text	Terminals					Graphical page of terminal diagrams
		first	last	Total PE	Total N	Total number	
=V1WC1+V1UC11-PE		PE	PE	0	0	1	
=V1WC2+V1UC11-XD1		1	16	0	0	16	
=V1WC2+V1UC11-XD2		1	8	0	0	8	
=V1WC2+V1UC11-XD3		1	5	0	0	5	
=V1WC3+V1UC11-XD1		1	4	0	0	4	
=V1WC3+V1UC11-XD2		1	8	0	0	8	
=V1WC3+V1UC11-XD3		1	8	0	0	8	
=V1WC4+V1UC11-KF11.14		1	4	0	0	4	
=V1WC4+V1UC11-XD5		1	1	0	0	1	
=V1WC4+V1UC11-XD6		1	1	0	0	1	
=V1WC4+V1UC11-XD10		1	16	0	0	15	
=V1WC4+V1UC11-XD11		1	1	0	0	1	
=V1WC4+V1UC11-XD12		1	2	0	0	2	
=V1WC4+V1UC11-XD13		1	8	0	0	8	
=V1WC4+V1UC11-XD14		1	2	0	0	2	
=V1WC4+V1UC11-XD20		1	8	0	0	8	
=V1WC4+V1UC11-XD51		1	2	0	0	2	
=V1WC4+V1UC11-XD52		1	2	0	0	2	
=V1WC4+V1UC11-XD53		1	2	0	0	2	
=V1WC4+V1UC11-XD54		1	2	0	0	2	

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Date 12/2/2022		Volvo Trucks North America			Valiant TMS	Terminal-strip overview : =V1WC1+V1UC11-PE - =V1WC4+V1UC11-XD54	Drawing name:		=
Ed. MKLEPADLO		P6700 Rear Wall Hdr & Door Ring RH Cell					Document type: EYY		
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Terminal-strip overview

Terminal strip	Terminal strip definition text	Terminals					Graphical page of terminal diagrams
		first	last	Total PE	Total N	Total number	
=V1WC4+V1UC46-XD11		1	19	0	0	18	
=V1WC4+V1UC46-XD14		1	11	0	0	3	
=V1WC4+V1UC46-XD51.1		1	11	0	0	3	
=V1WC4+V1UC46-XD52.1		1	11	0	0	3	
=V1WC4+V1UC46-XD53.1		1	11	0	0	3	
=V1WC4+V1UC46-XD54.1		1	11	0	0	3	

Terminal-strip overview

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Terminal strip	Terminal strip definition text	Terminals					Graphical page of terminal diagrams
		first	last	Total PE	Total N	Total number	
=V1PZ1PF1+V1UC61-XD11		10	9	0	0	20	

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			Ed.	MKLEPADLO	P6700 Rear Wall Hdr & Door Ring RH Cell						Document type: EYY		
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