


# Valiant TMS



Company / customer	Volvo Trucks NA	
Project description	P6700 Underbody Structure - Robot Cell 2V02	
drawing number	22-16151	
Commission	Volvo Trucks North America	
Manufacturer (company)	Valiant TMS	
Project name	=2V02&MFS-PNEU	
Type	P6700 Underbody Structure - Robot Cell 2V02	
Created on	1/24/2018	
Edit date	1/11/2023	by (short name) MKLEPADLO
		Number of pages 183

Date	1/6/2023	Volvo Trucks North America	Valiant TMS	Title page / cover sheet	Drawing name:	=	
Ed.	MKLEPADLO				=2V02&MFS-PNEU	+	
Appr		P6700 Underbody Structure - Robot Cell 2V02			Document type:	Project nr:	
Modification	Date	Name	Original	Replacement of	MAA	22-16151	Page 1
				Replaced by			183
				Scale 1:1			

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Modification	Date	Name	Original			183

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Modification	Date	Name	Original	Replacement of	Replaced by	MAB	22-16151	183

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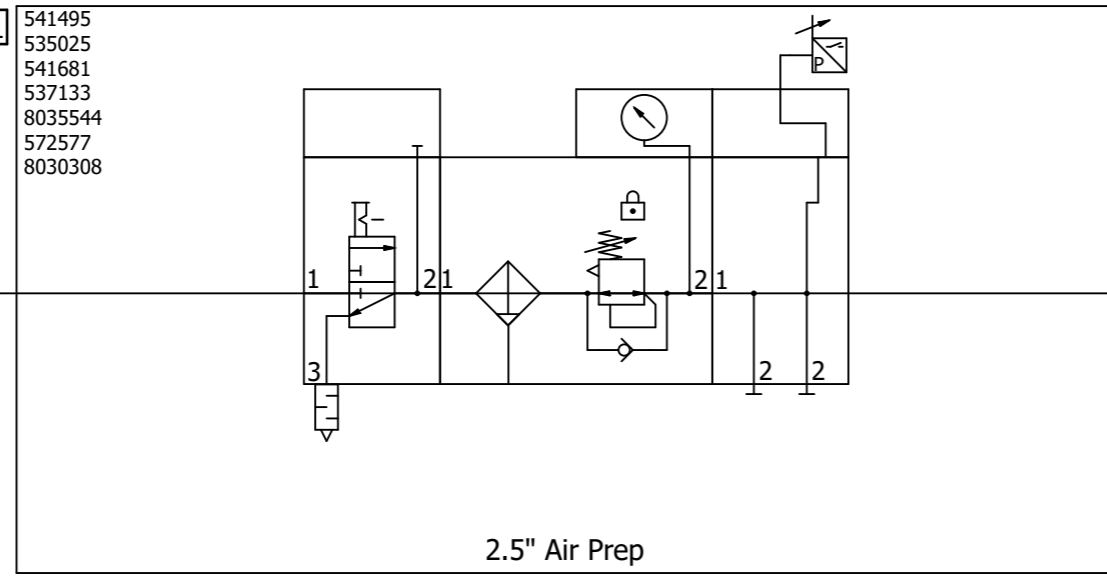
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&MPB+V1AR11UQ41/1	Parts list : FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J - FES.534658		1/6/2023	MKLEPADLO	
&MPB+V1AR12UQ41/1	Parts list : FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J - FES.534658		1/6/2023	MKLEPADLO	

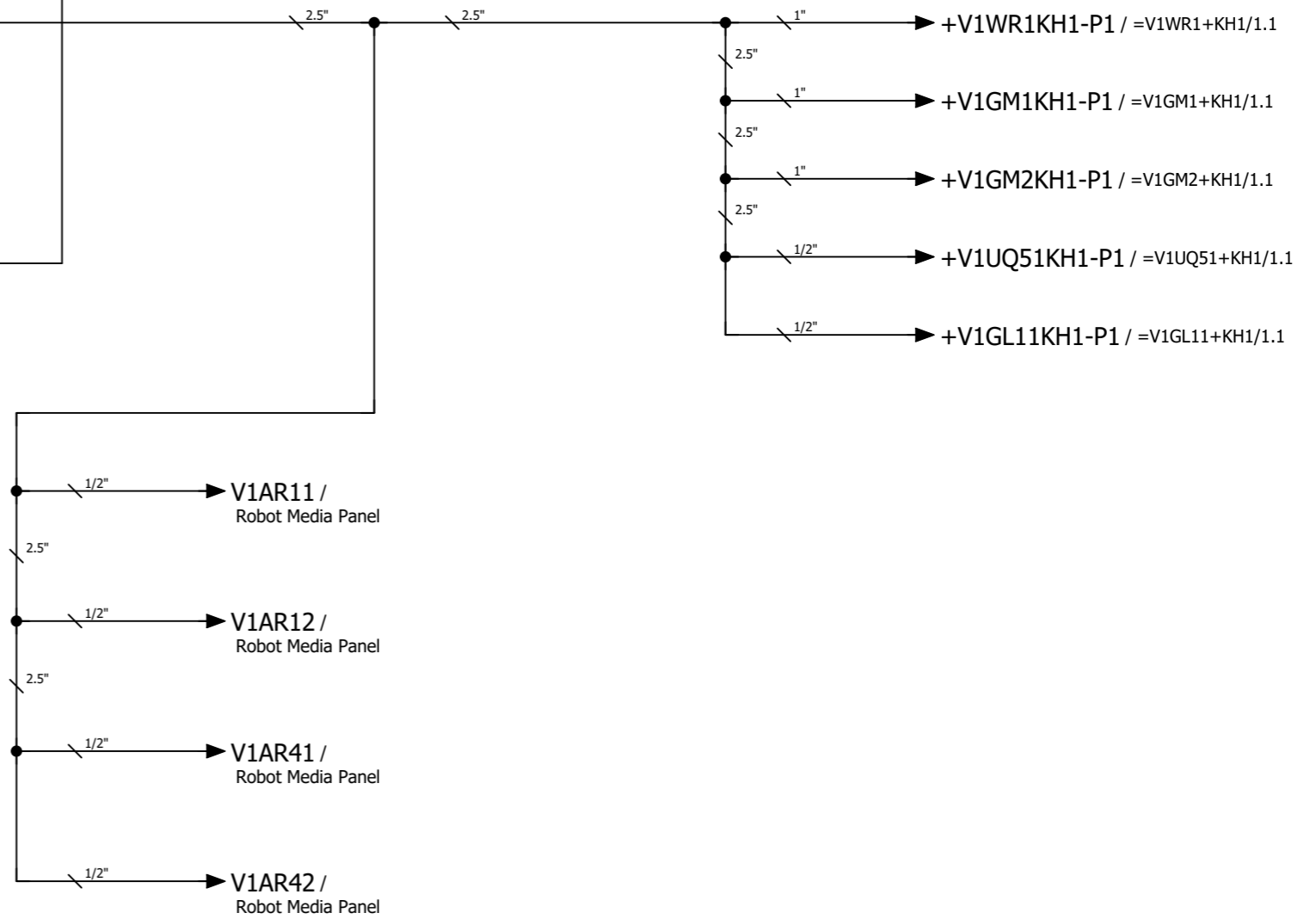


**A1**  
 541495  
 535025  
 541681  
 537133  
 8035544  
 572577  
 8030308

From drop point



2.5" Air Prep

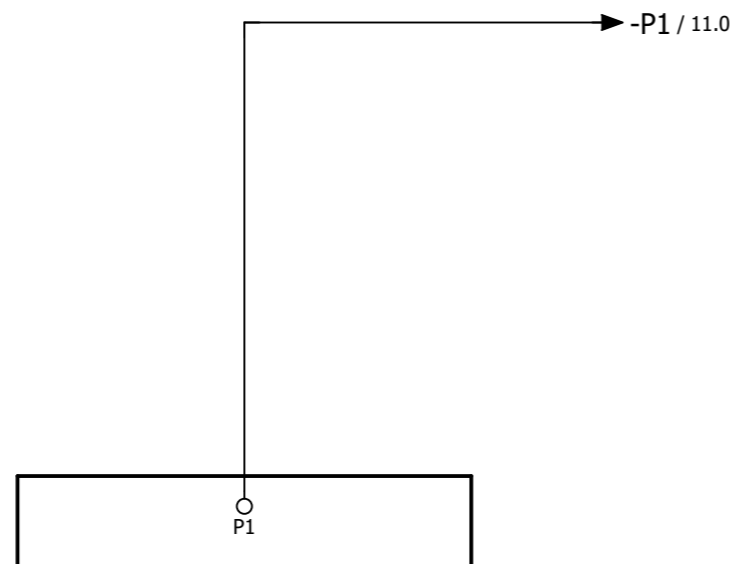


&MAB+/6


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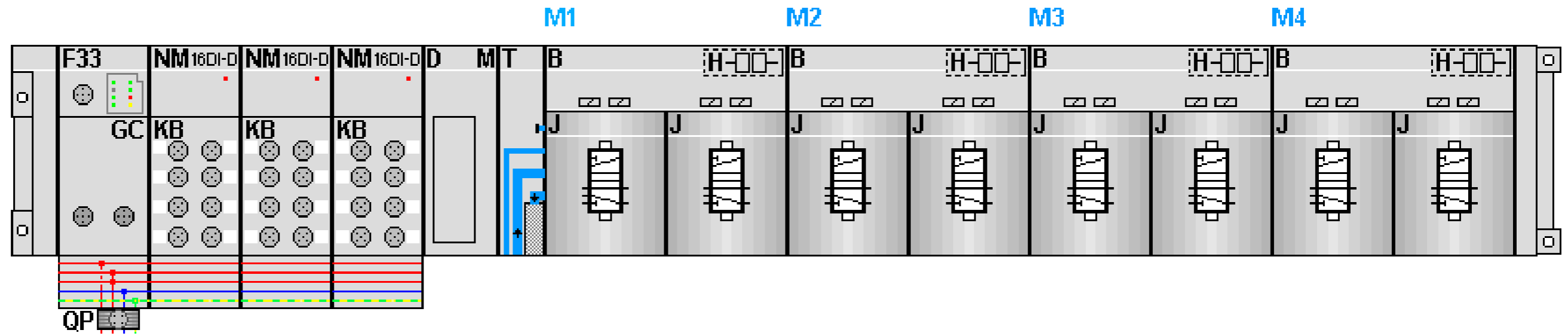
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Modification	Date	Name	Original	Replaced by			MFS	22-16151	1



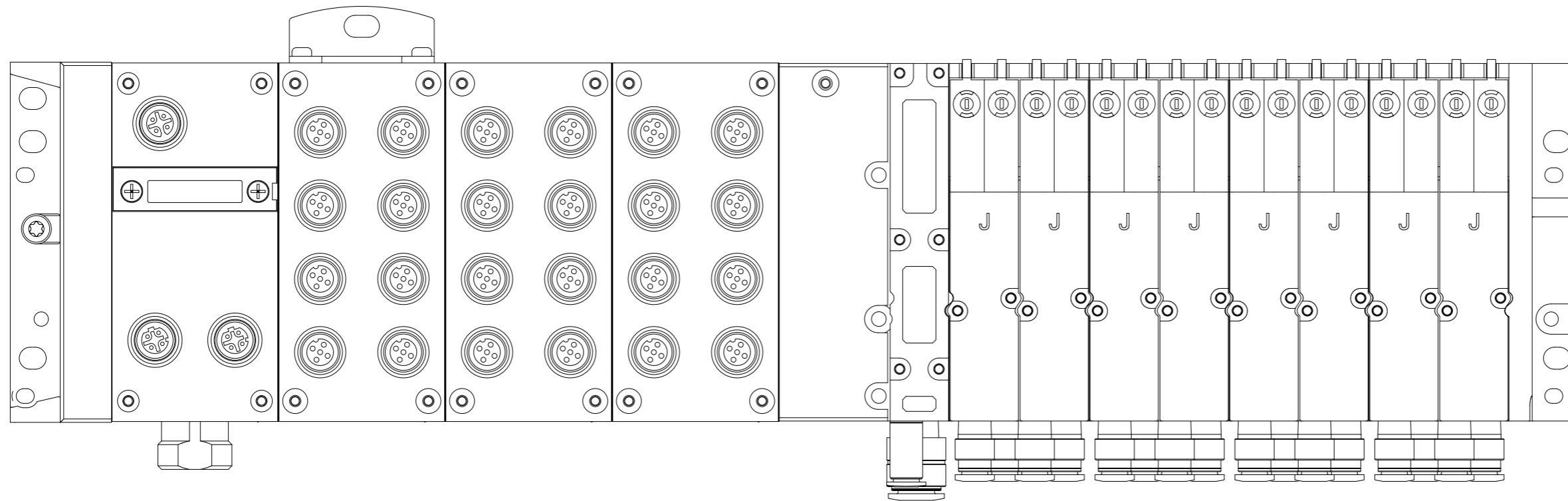


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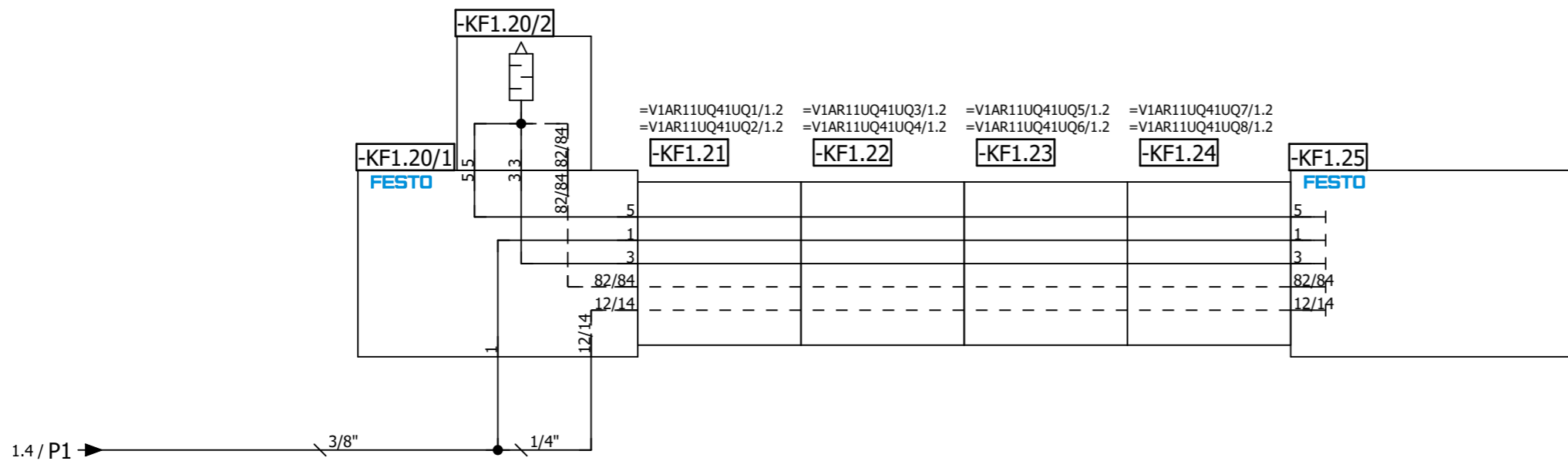
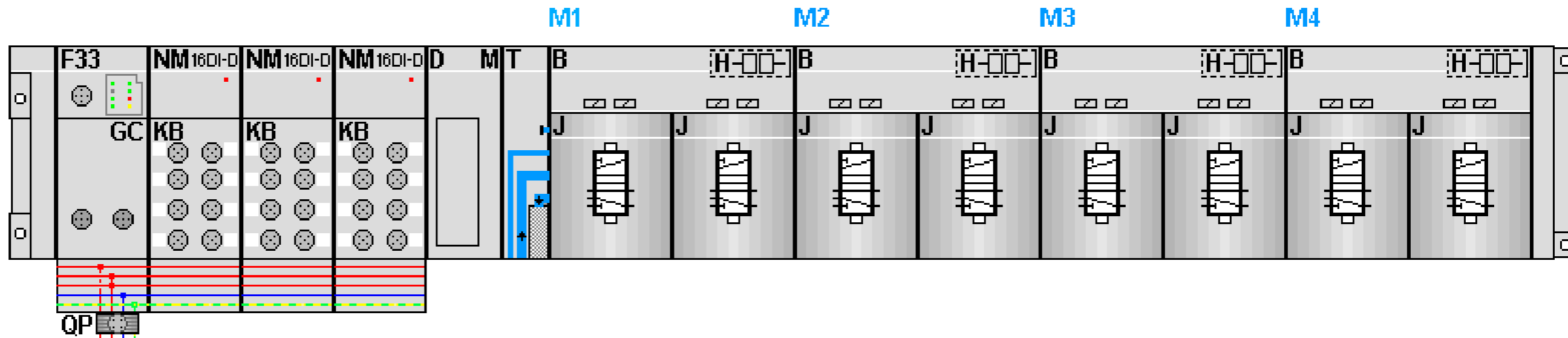
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Modification	Date	Name	Original	Replacement of	Replaced by		Scale 1:1		Project nr:	22-16151	Page	1
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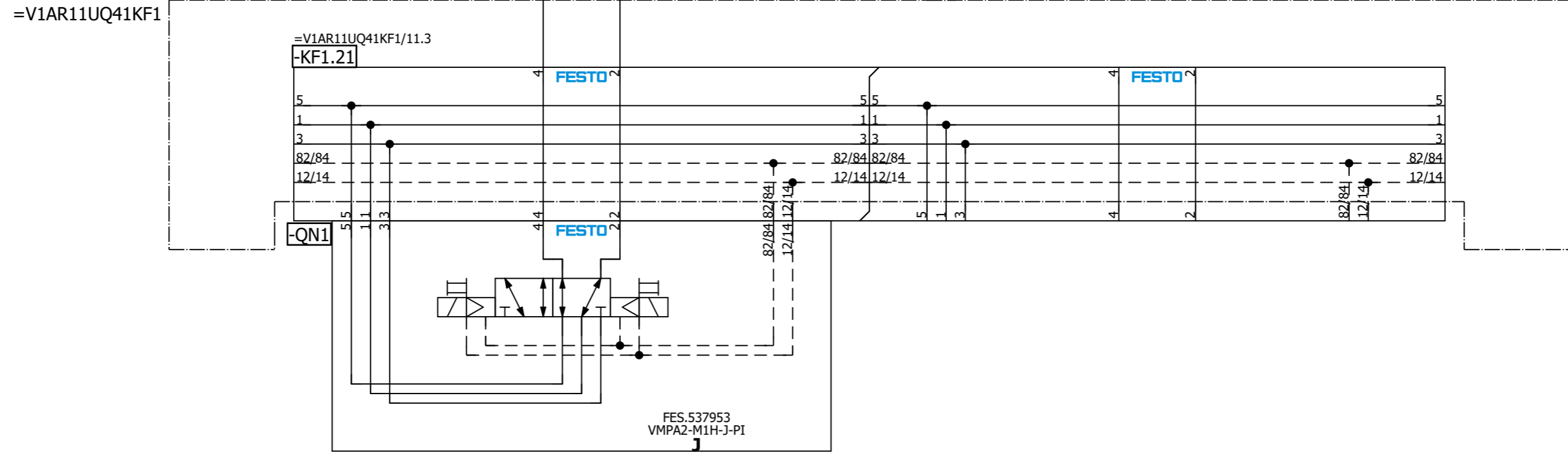
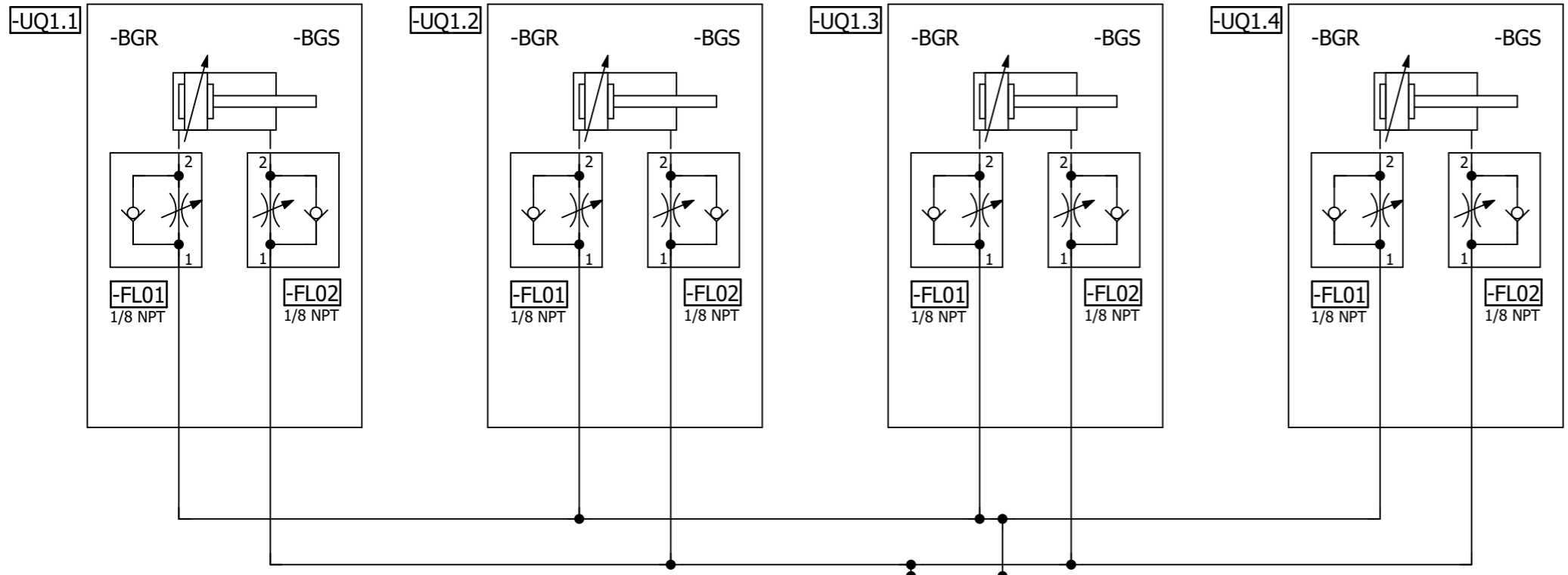


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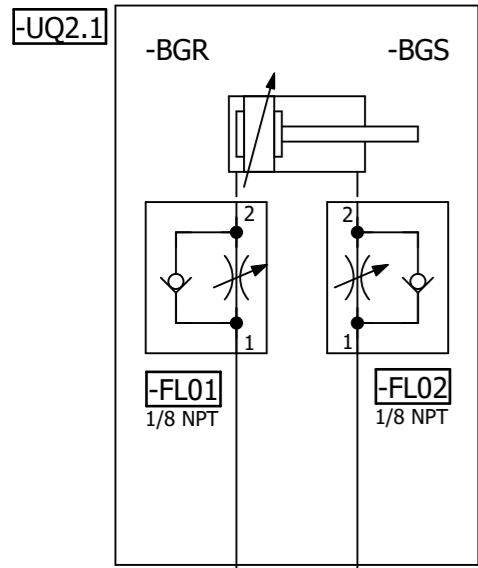
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Common RH  
Grippers (RST)

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-UQ1-QN1.2  
Common RH  
Grippers (SET)

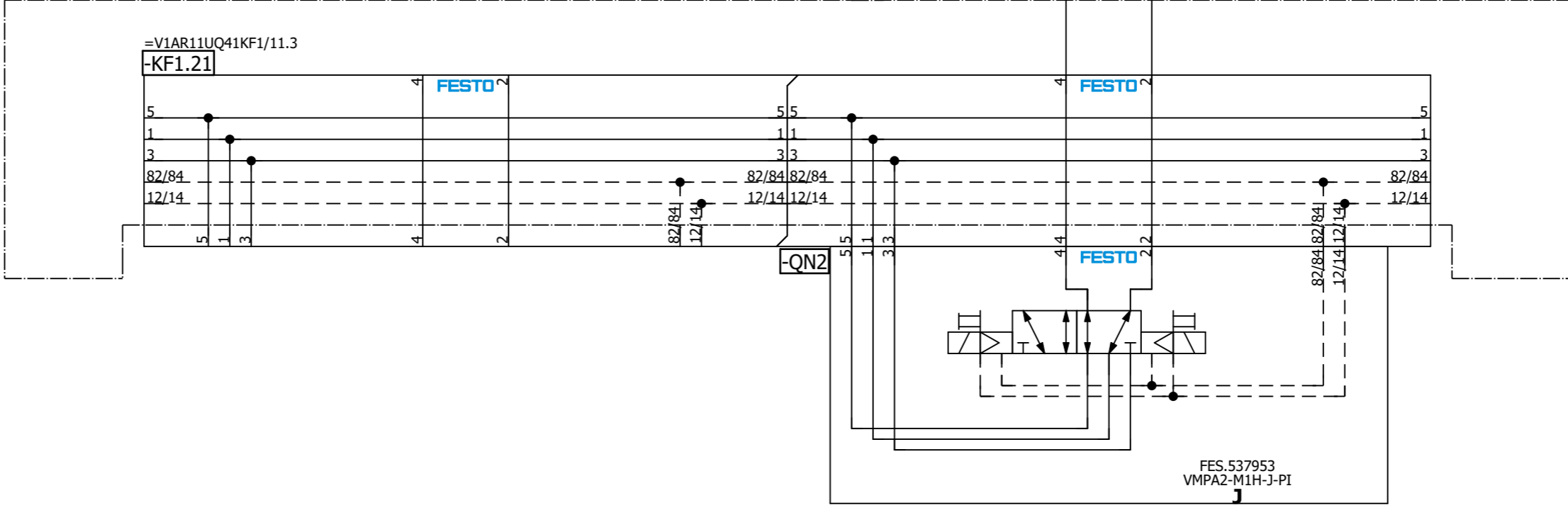
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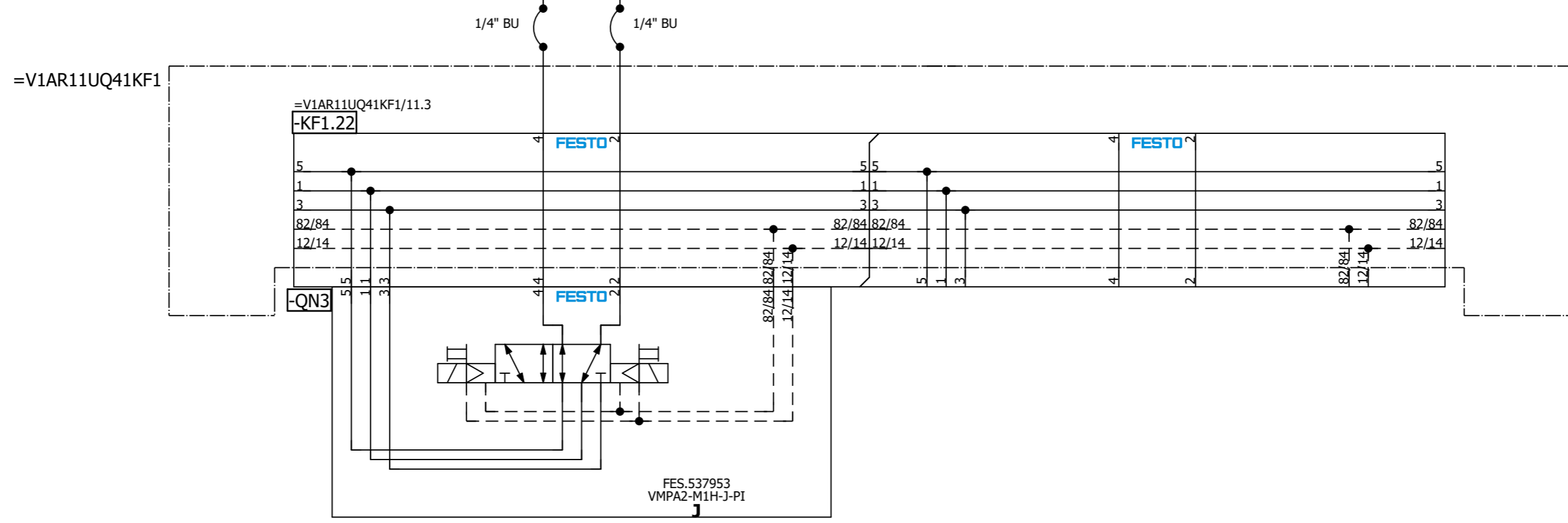
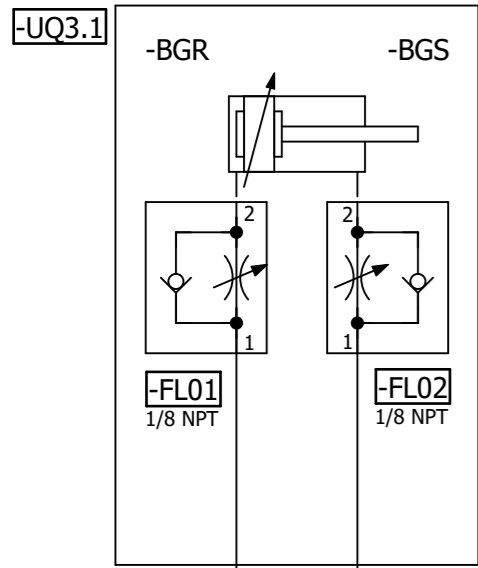
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-UQ2-QN2.1  
L290 RH Gripper 1  
(RST)

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L290 RH Gripper 1  
(SET)

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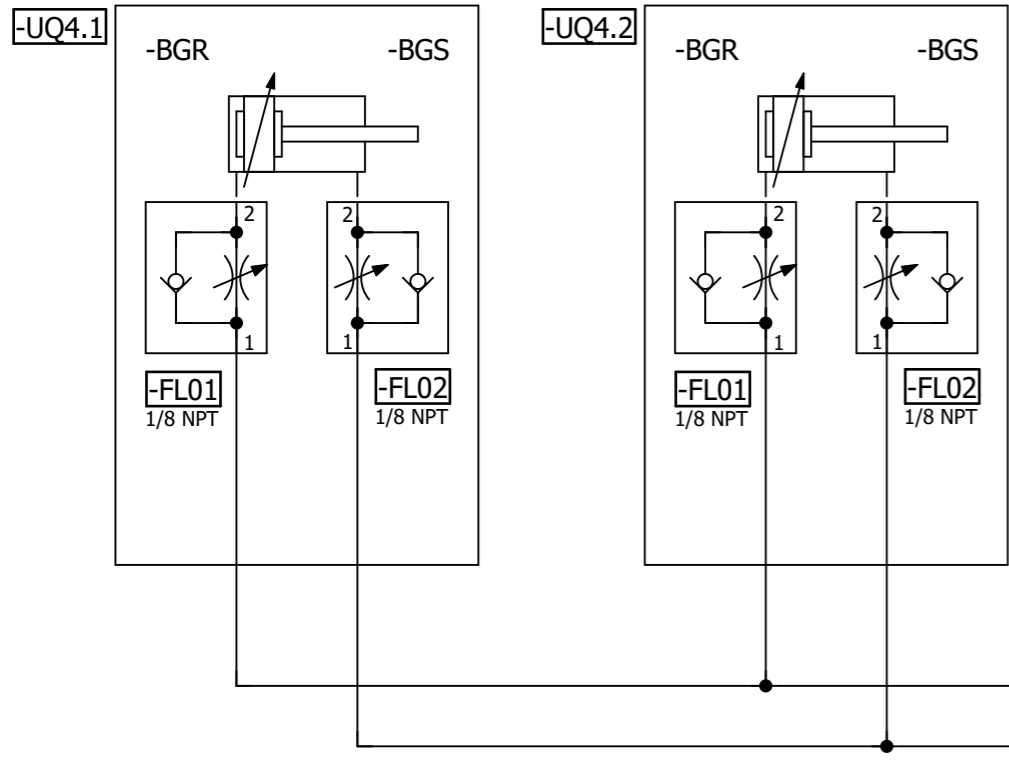
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L290 RH Gripper 2  
(RST)

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-UQ3-QN3.2  
L290 RH Gripper 2  
(SET)

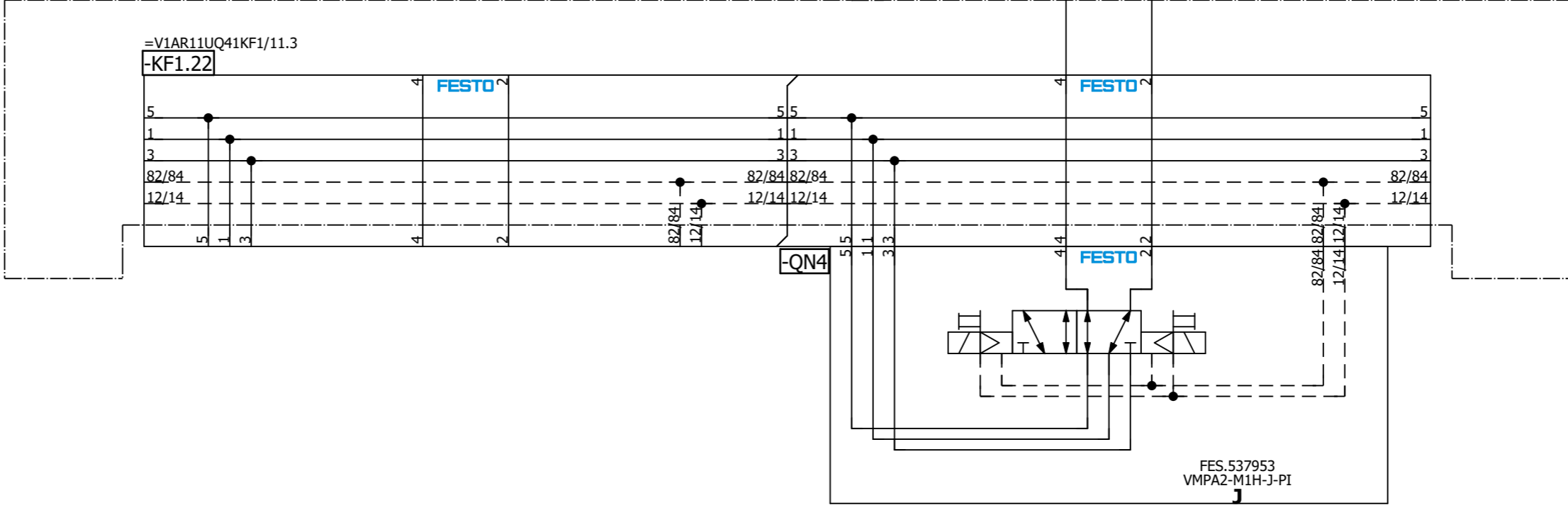
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		Ed.	MKLEPADLO		Scale 1:1		=2V02&MFS-PNEU	+ V1AR11UQ41	
		Appr					Document type:	MFS	Project nr:
Modification	Date	Name	Original	Replacement of	Replaced by				183



=V1AR11UQ41KF1



=V1AR11UQ41  
-UQ4-QN4.1  
L230/320 RH  
Grippers (RST)

=V1AR11UQ41  
-UQ4-QN4.2  
L230/320 RH  
Grippers (SET)

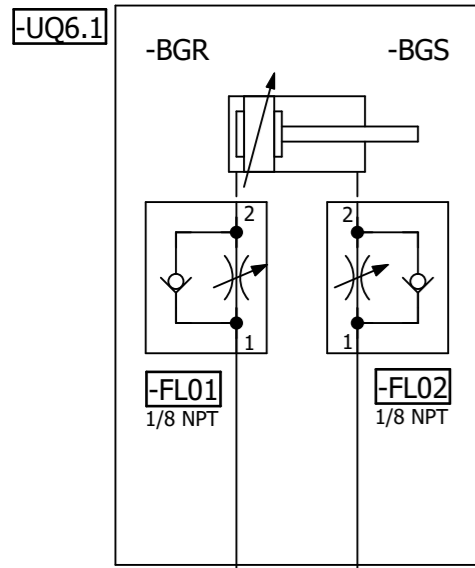
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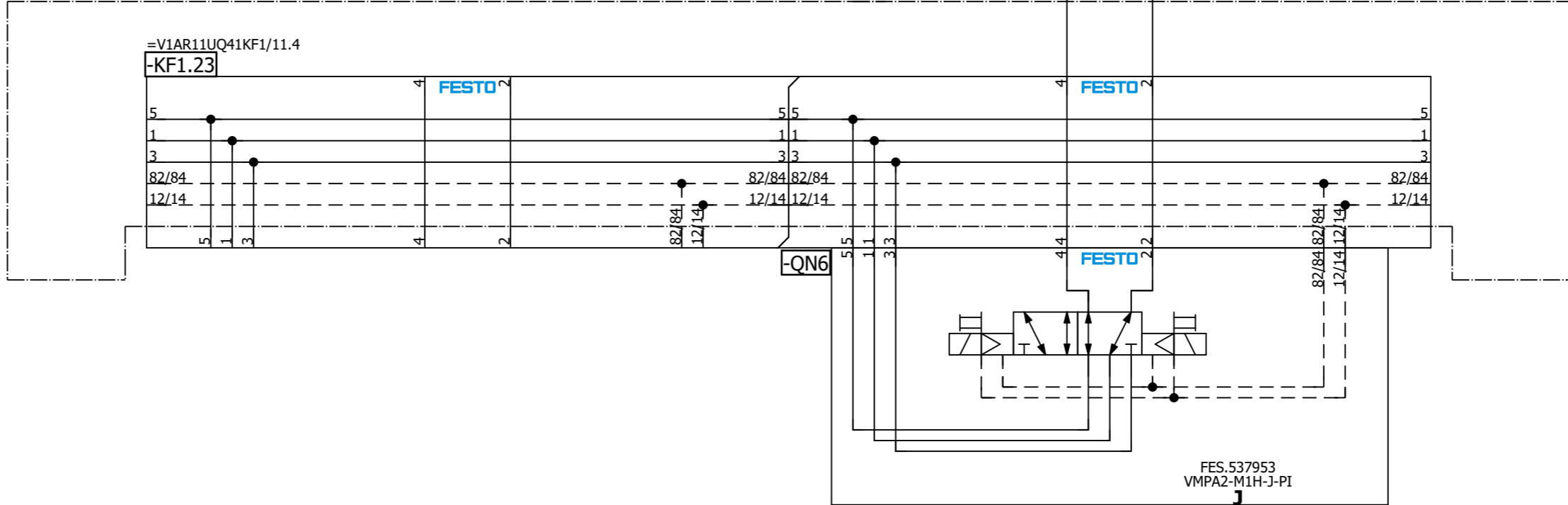
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Modification		Date		Name		Original				183	







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=V1AR11UQ41  
-UQ6-QN6.1  
L290 LH Gripper 1  
(RST)

=V1AR11UQ41  
-UQ6-QN6.2  
L290 LH Gripper 1  
(SET)

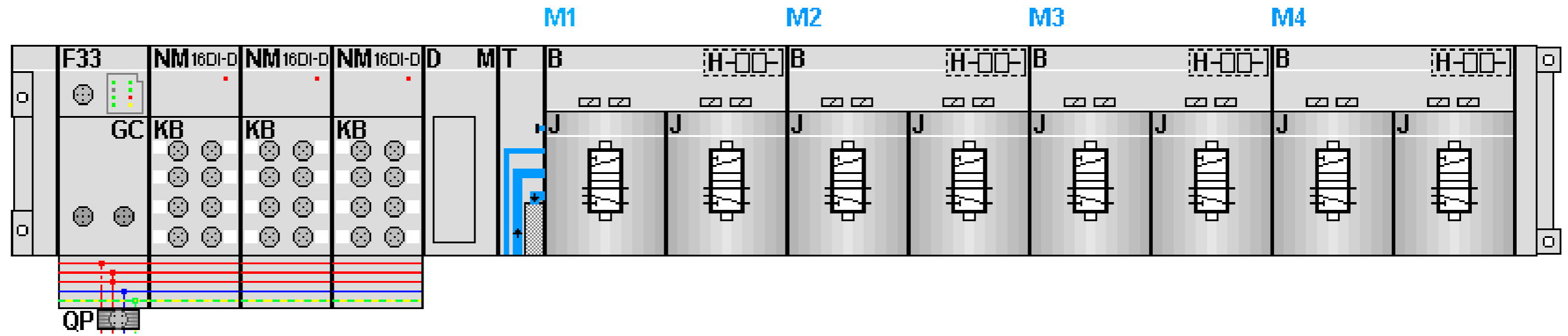
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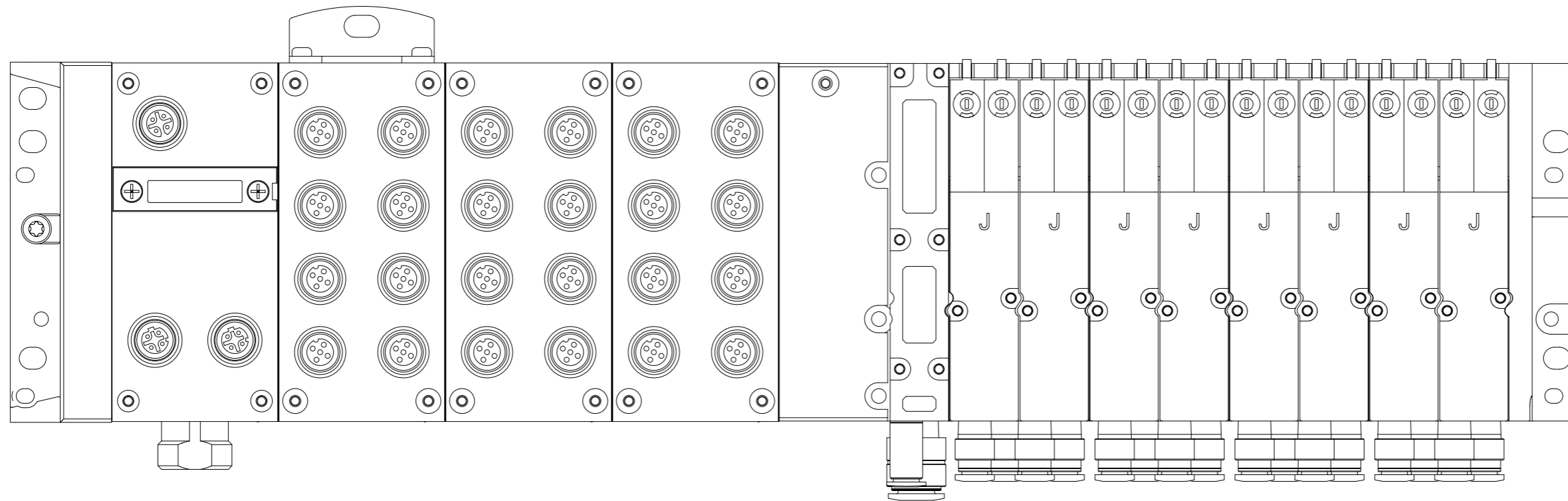




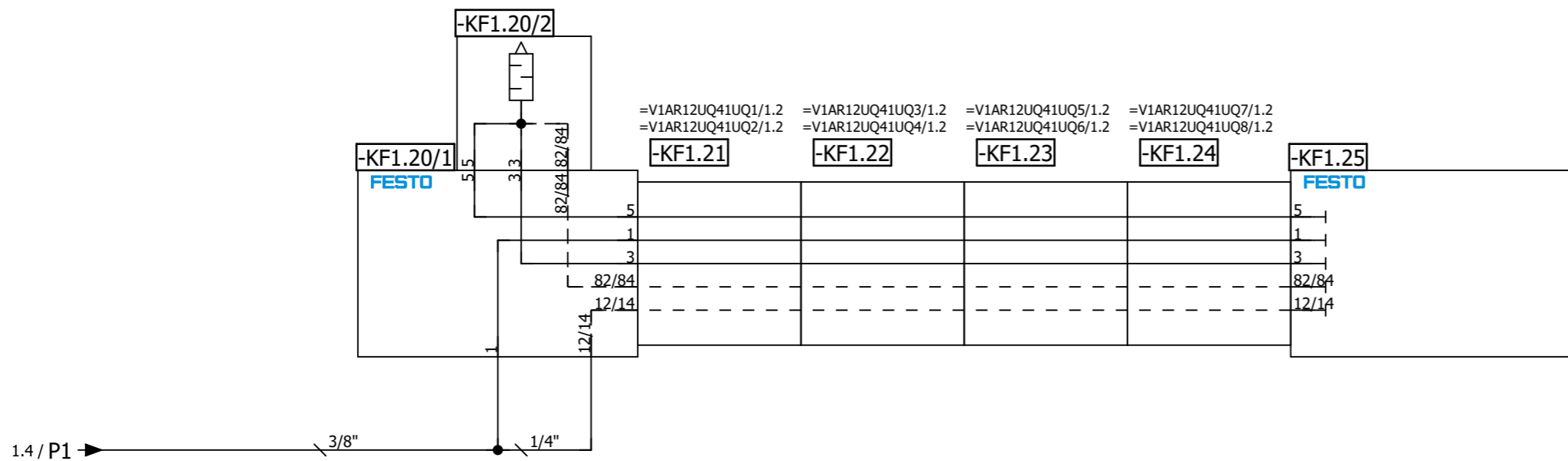
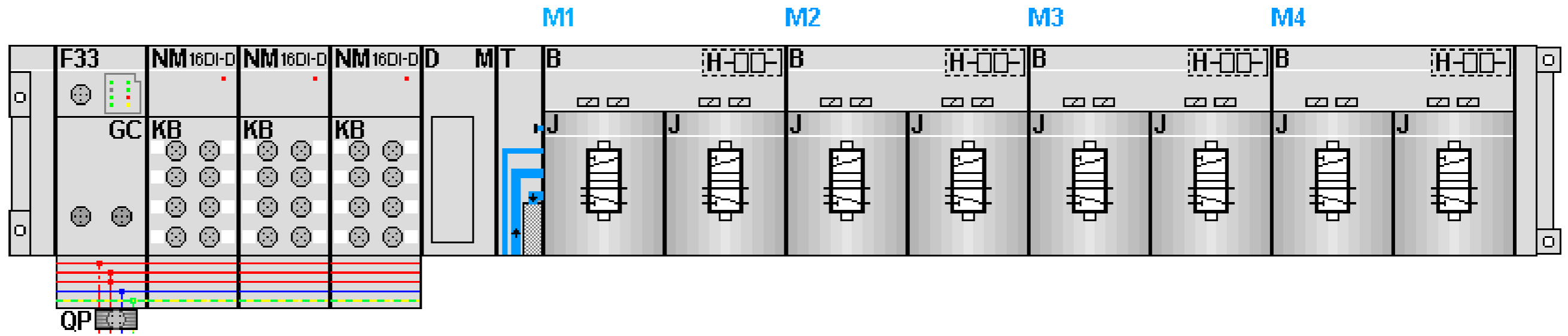




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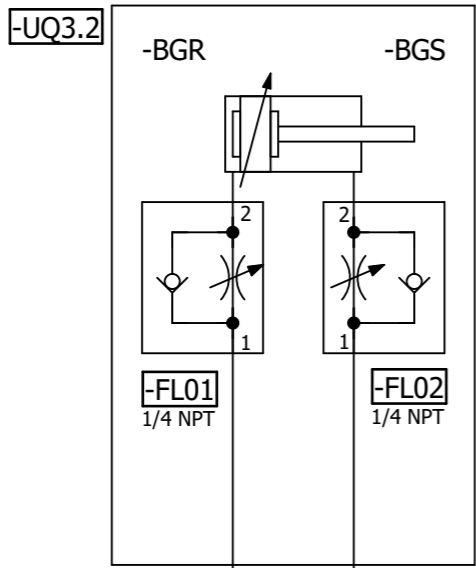
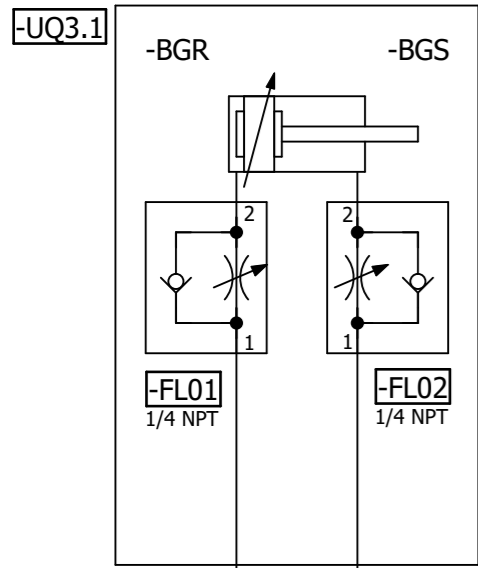
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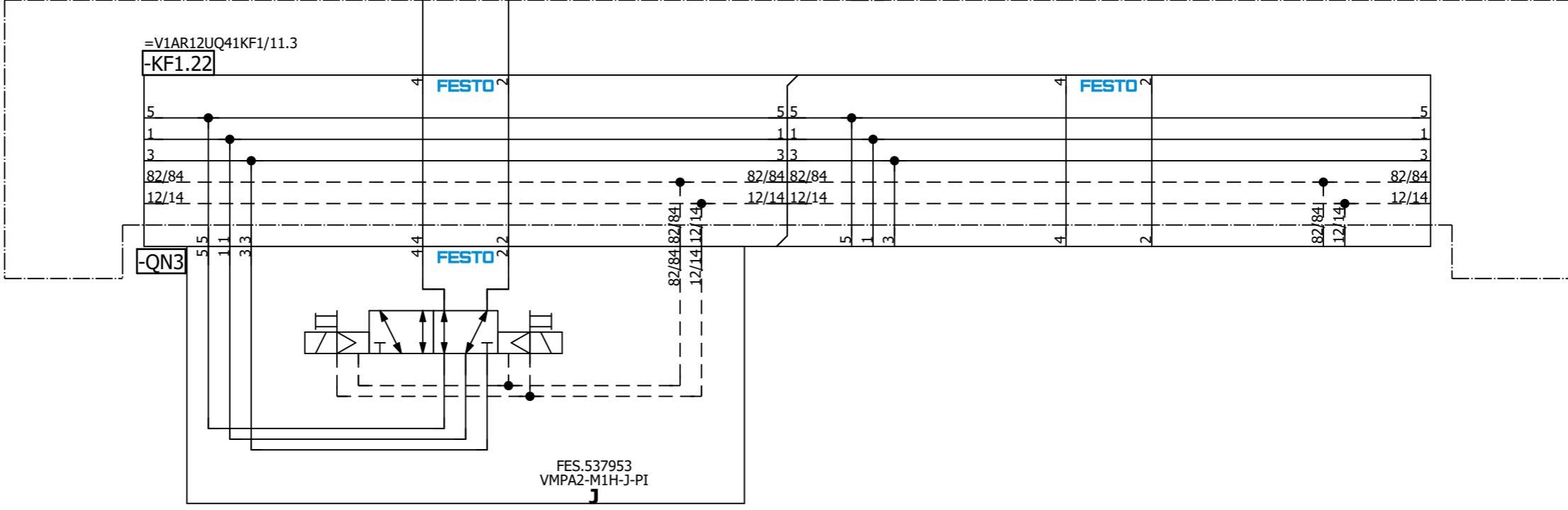








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-UQ3-QN3.1  
L230/290/320  
Grippers (RST)

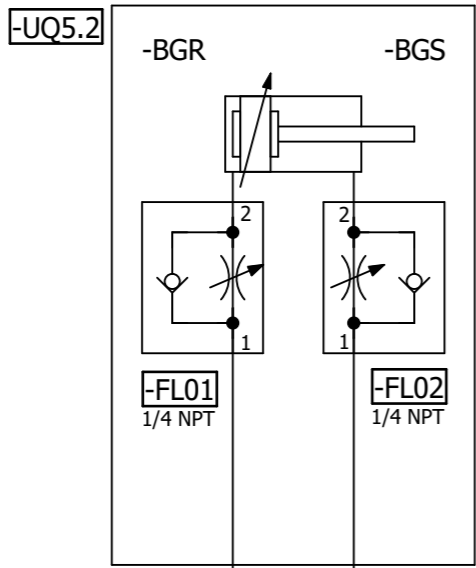
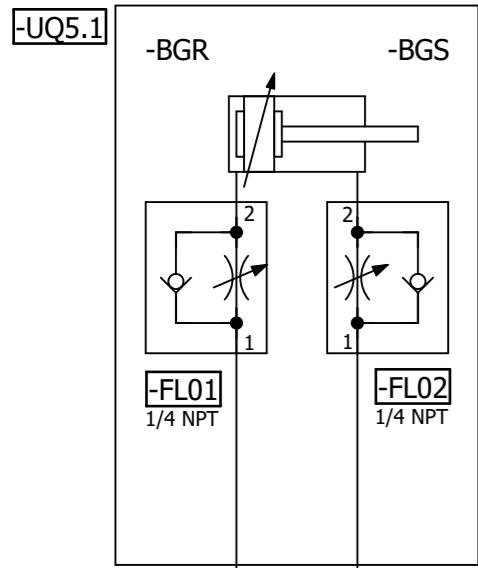
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L230/290/320  
Grippers (SET)

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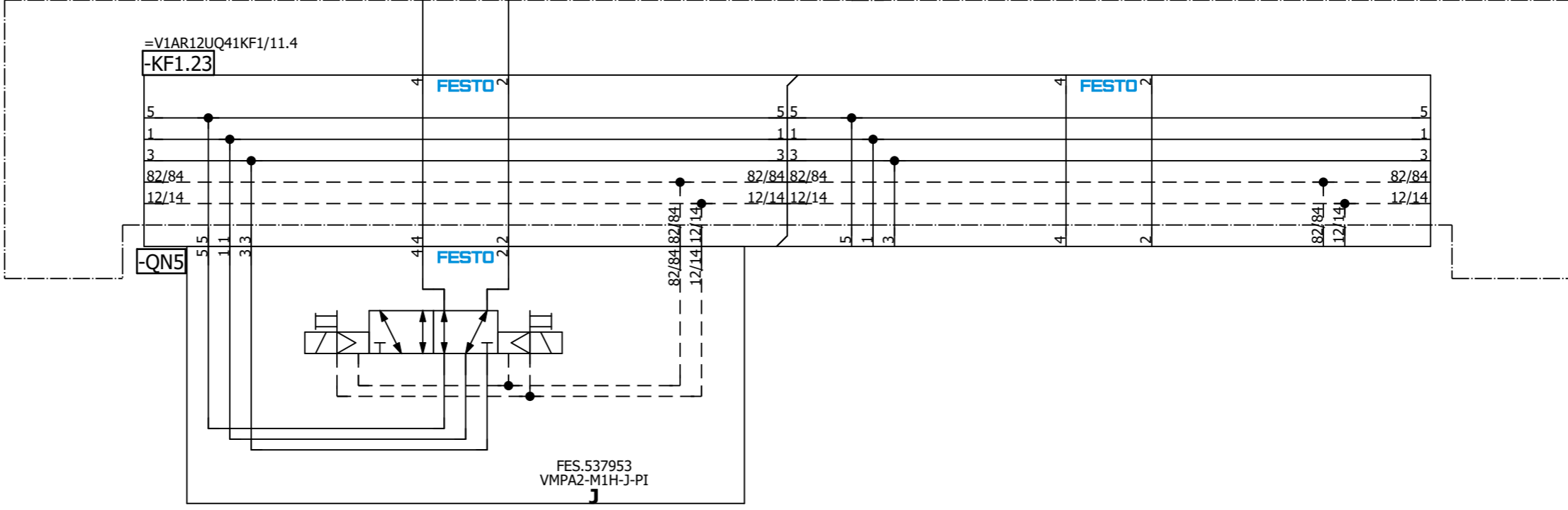
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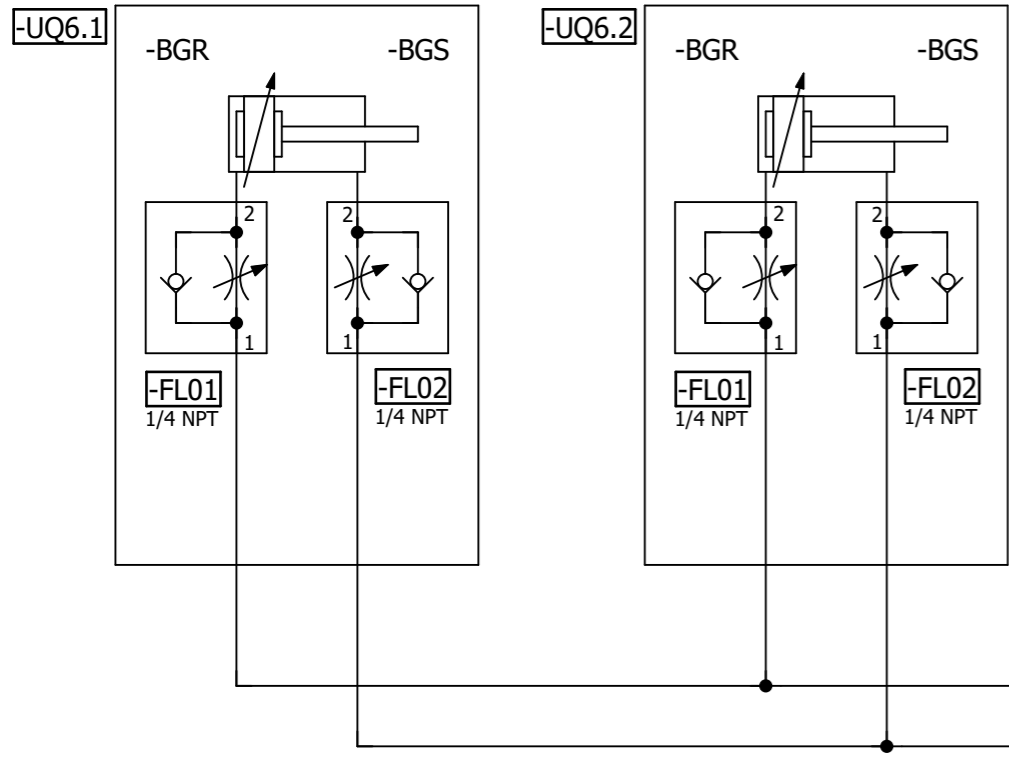
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L230/320 Grippers  
(RST)

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L230/320 Grippers  
(SET)

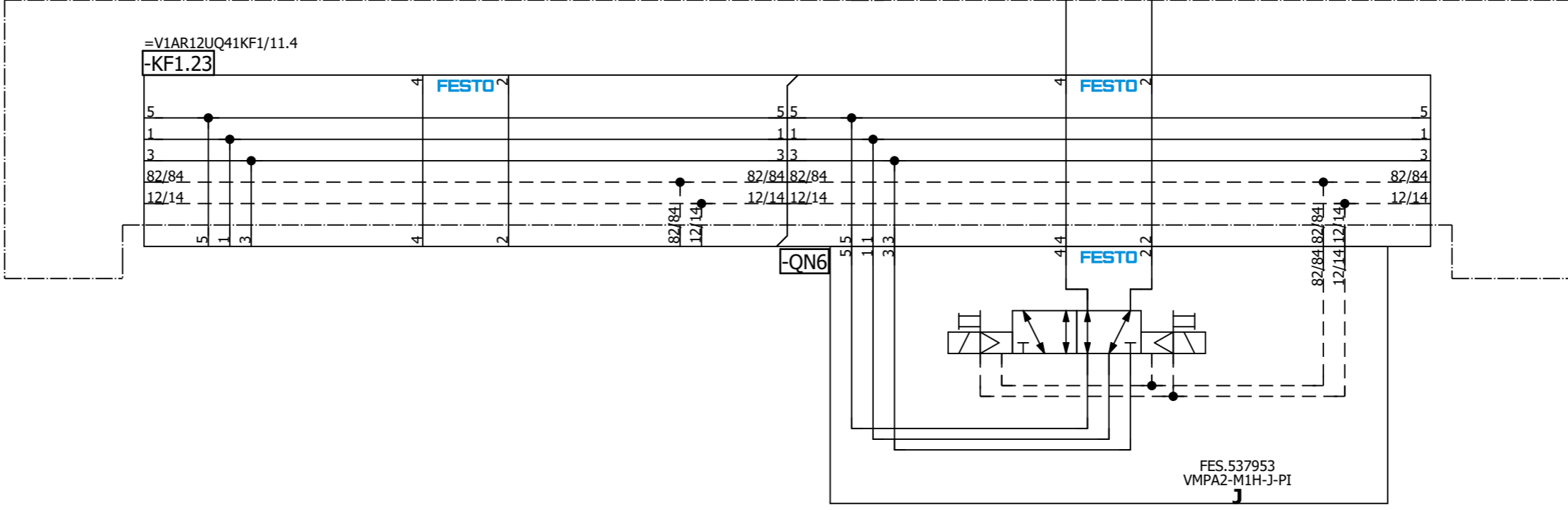
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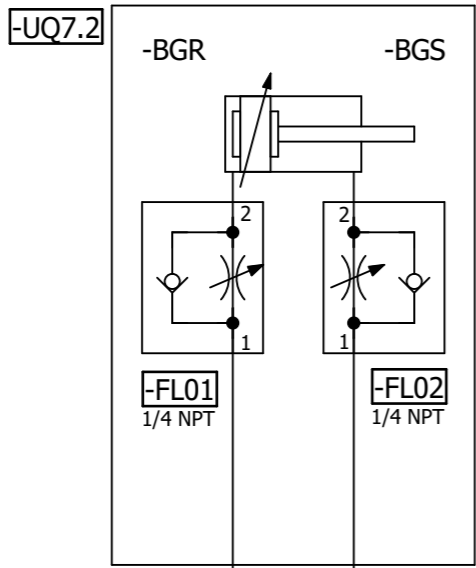
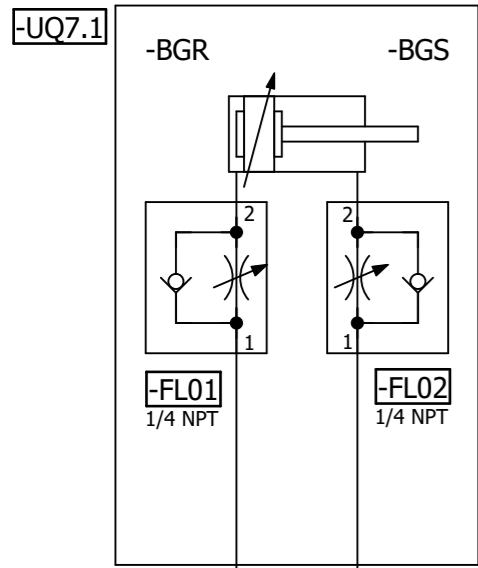
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L290 Grippers  
(RST)

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L290 Grippers  
(SET)

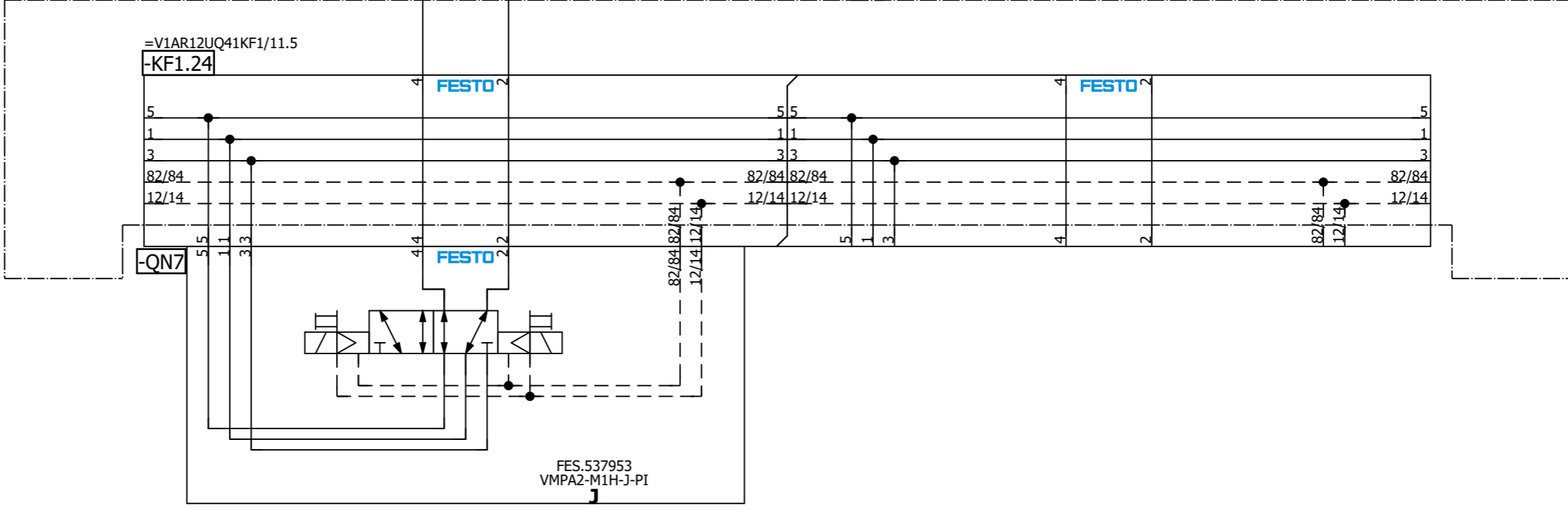
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L320 Grippers  
(RST)

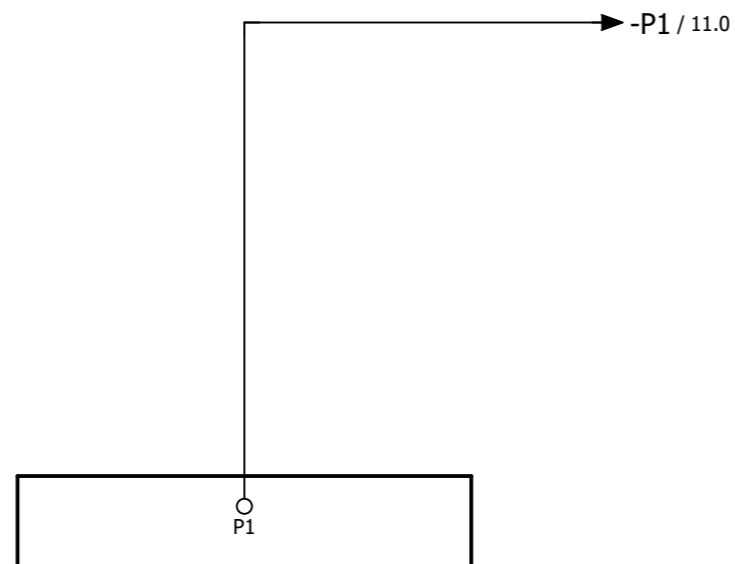
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L320 Grippers  
(SET)

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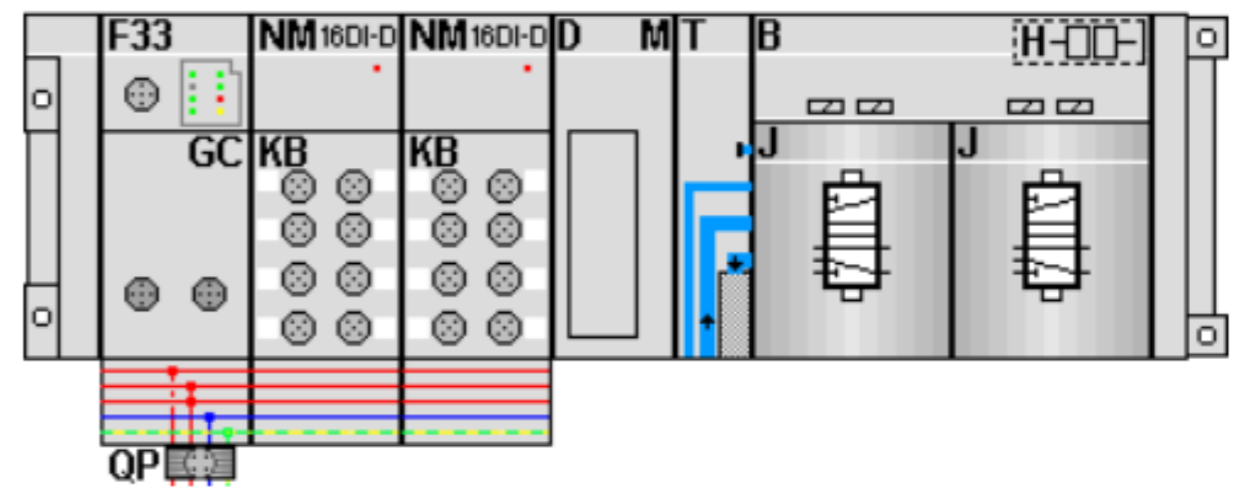




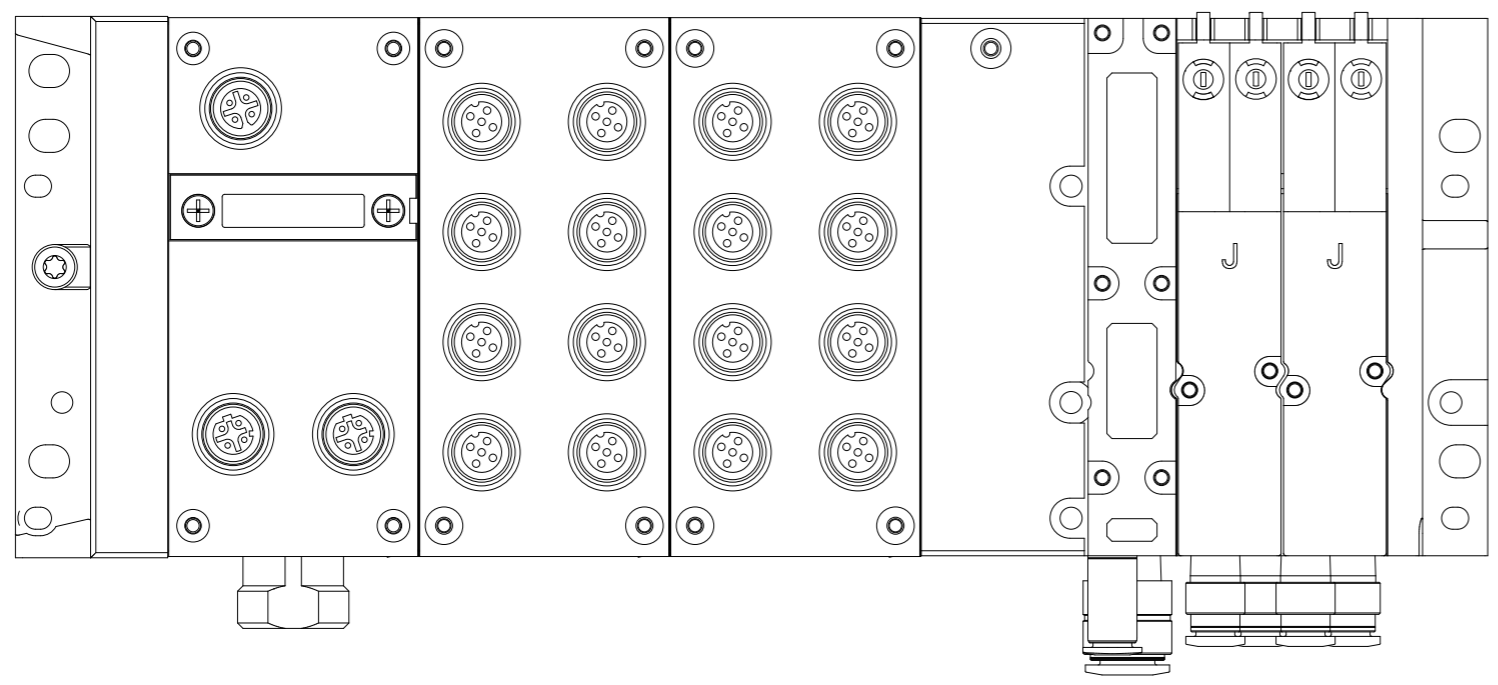
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M1



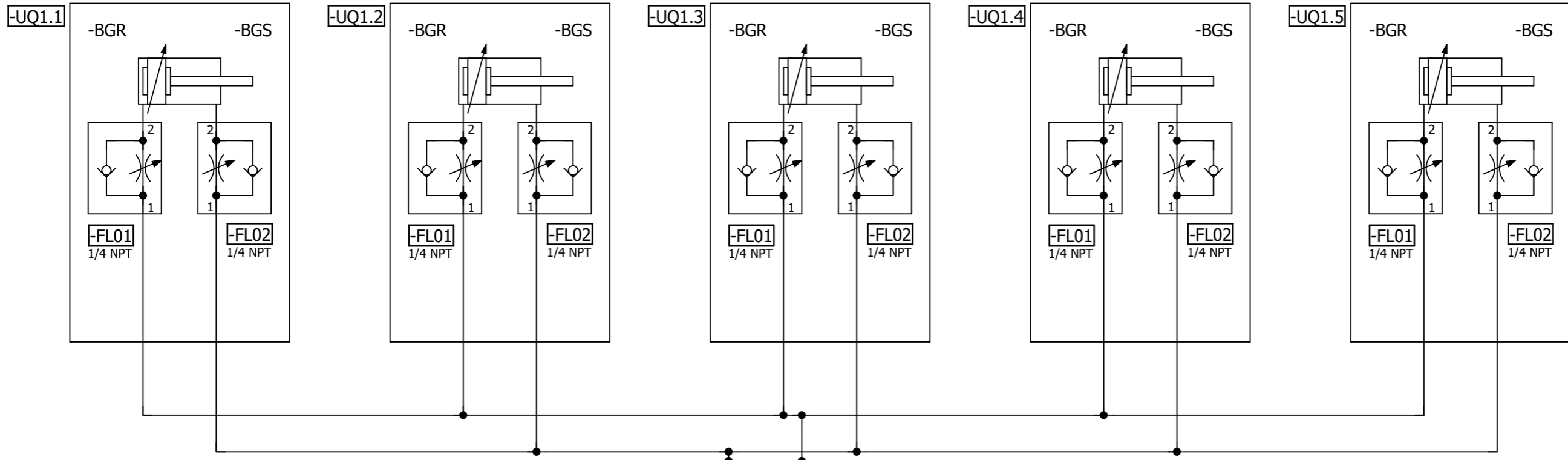
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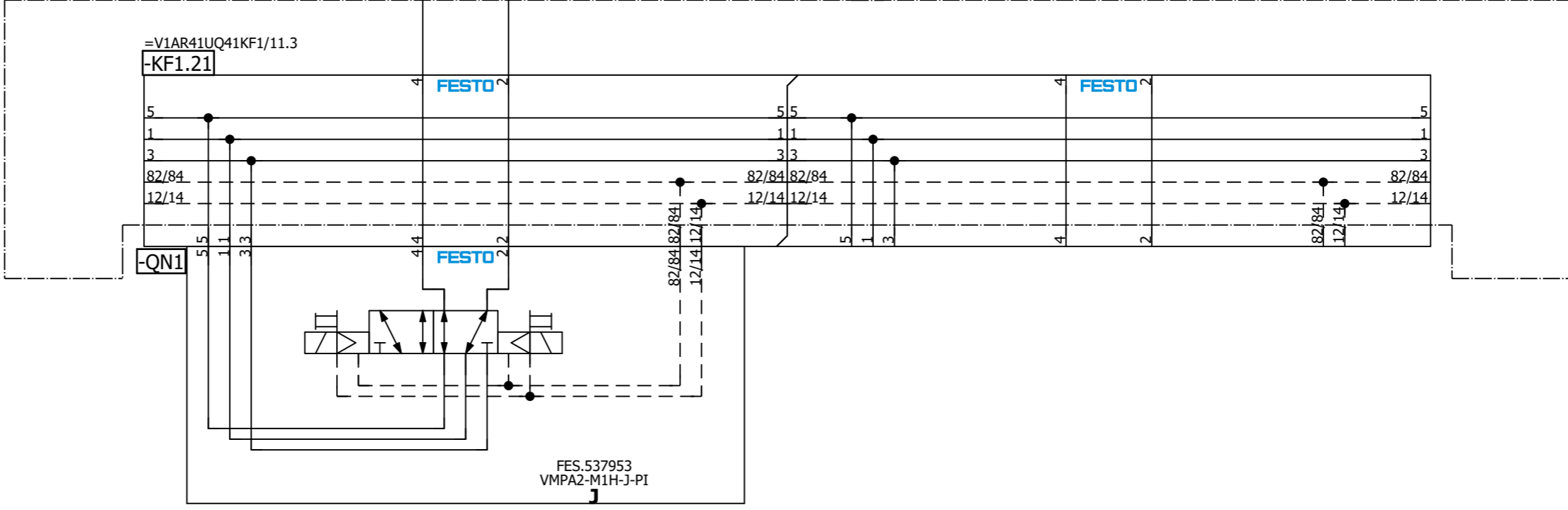
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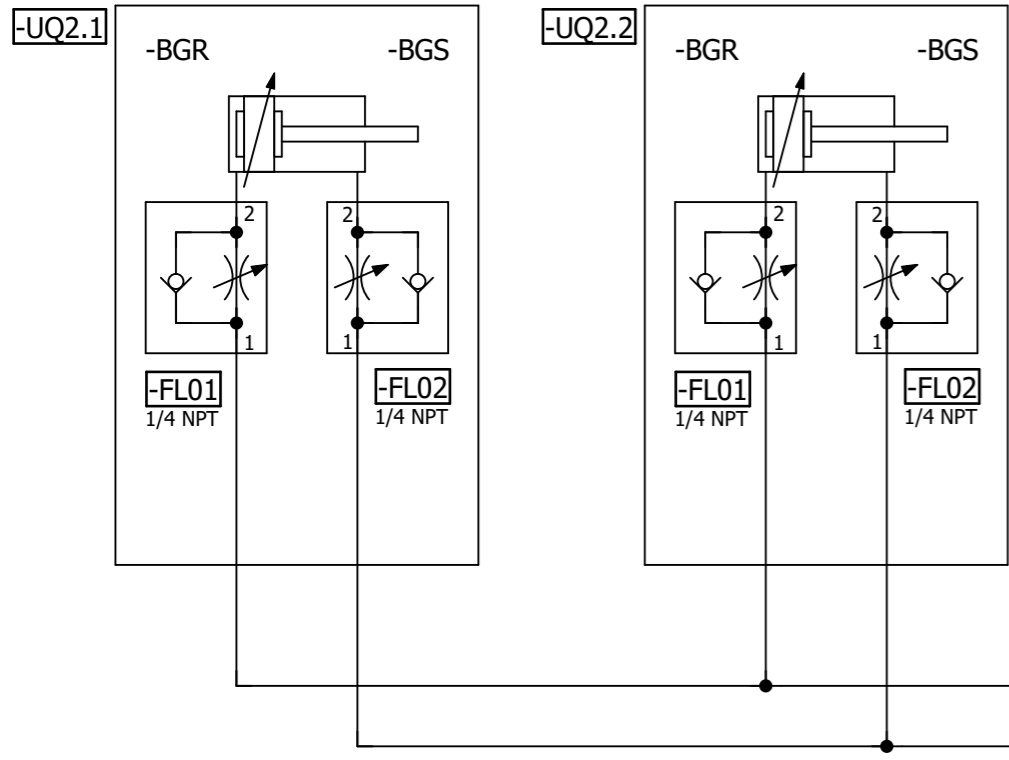
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Common Grippers  
(RST)

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Common Grippers  
(SET)

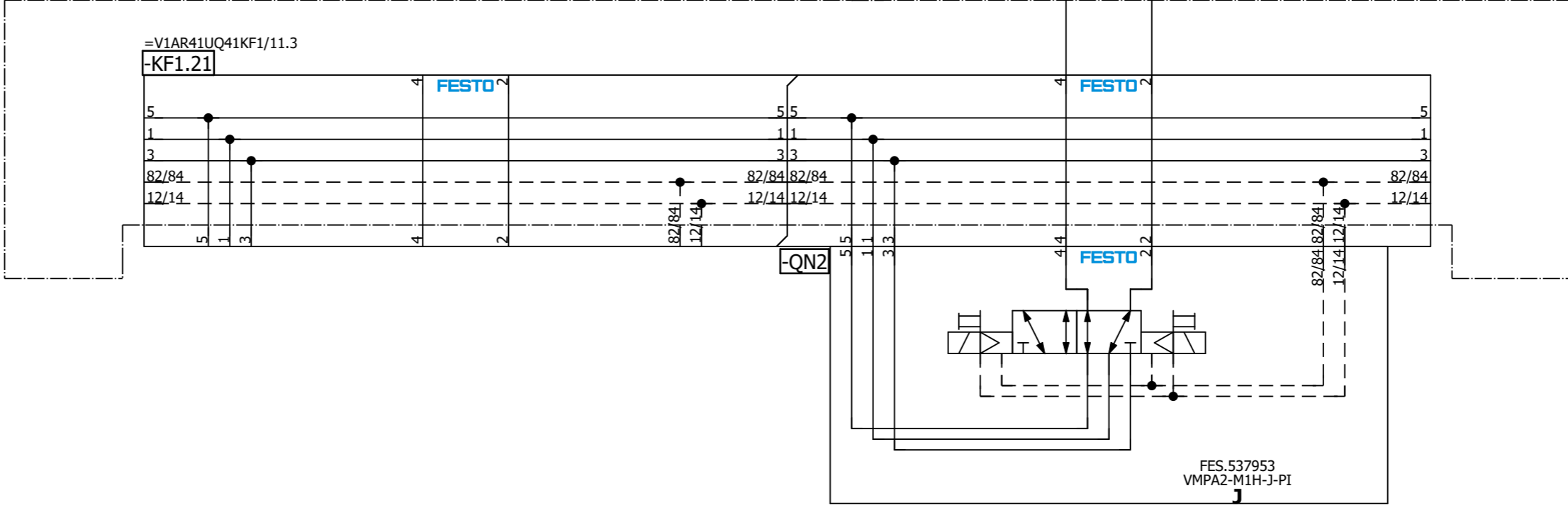
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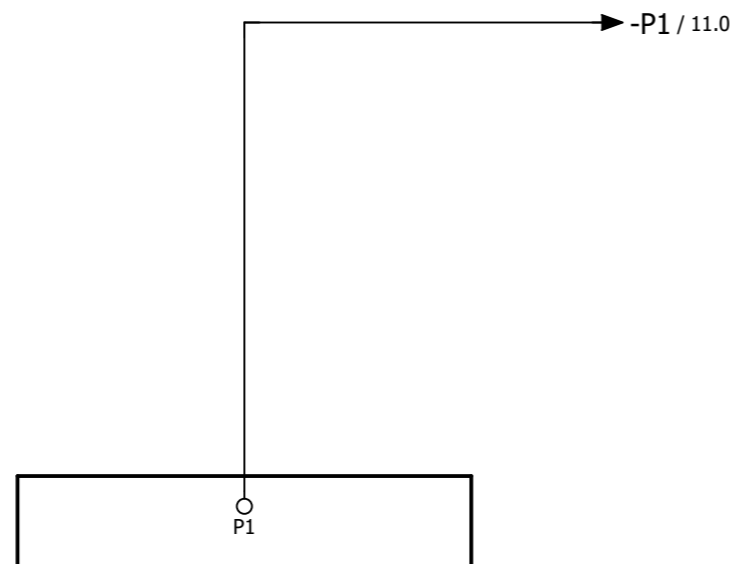
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L290/320 Grippers  
(RST)

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L290/320 Grippers  
(SET)


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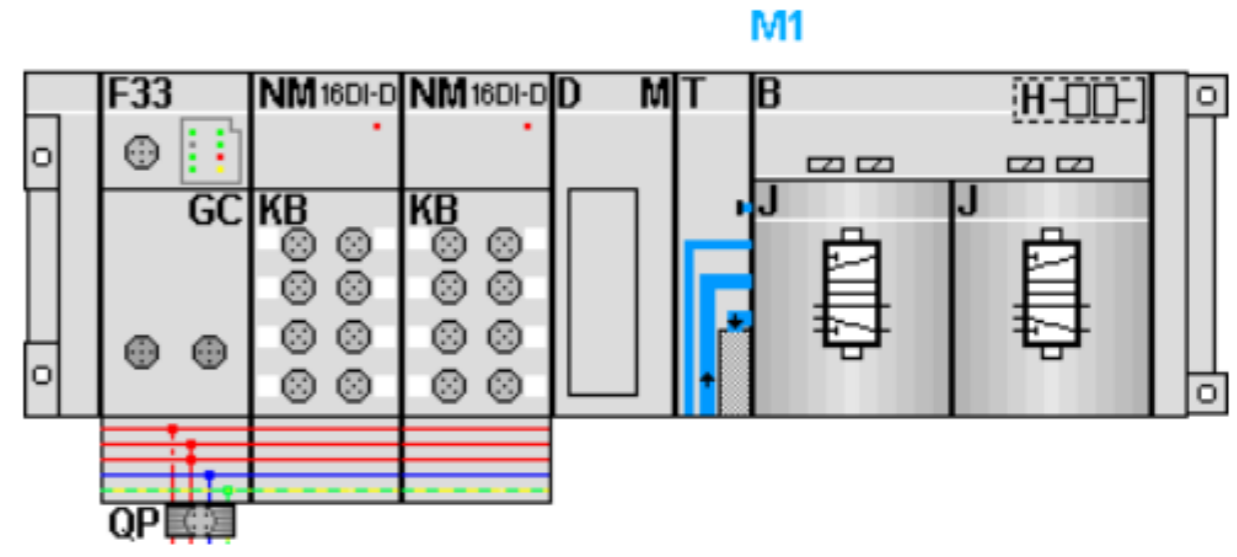
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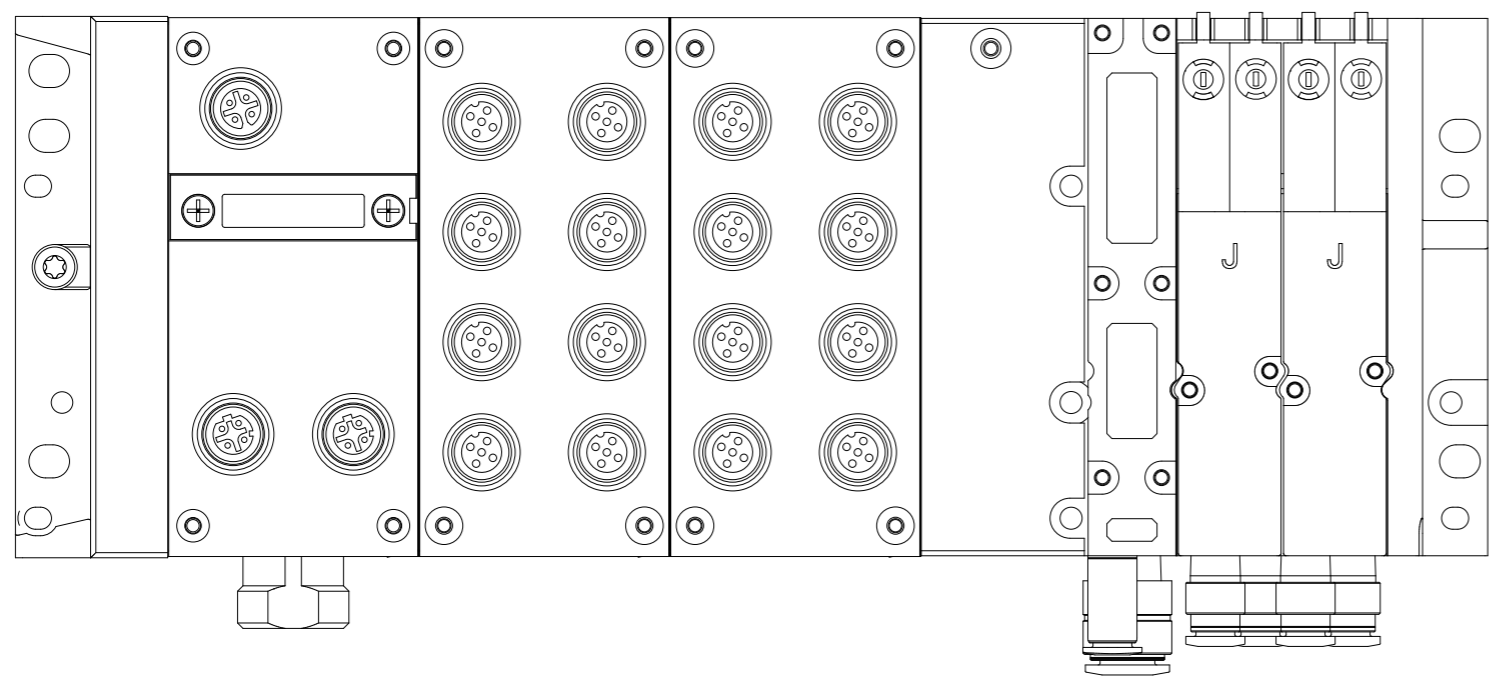


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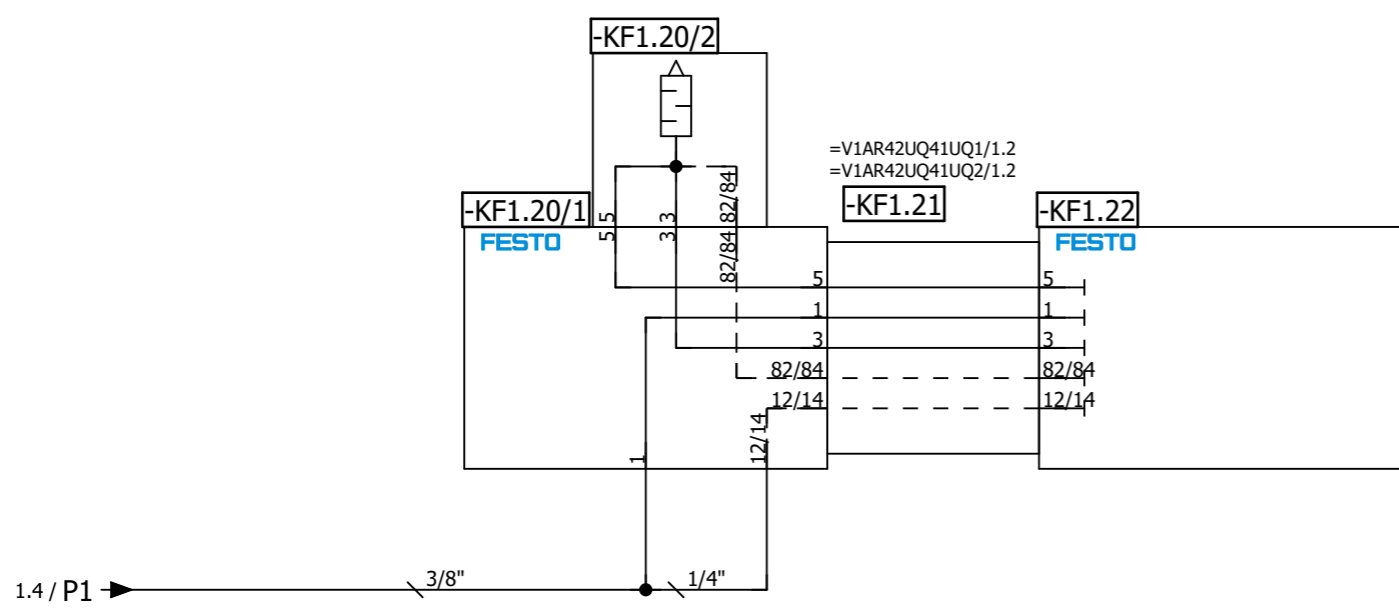
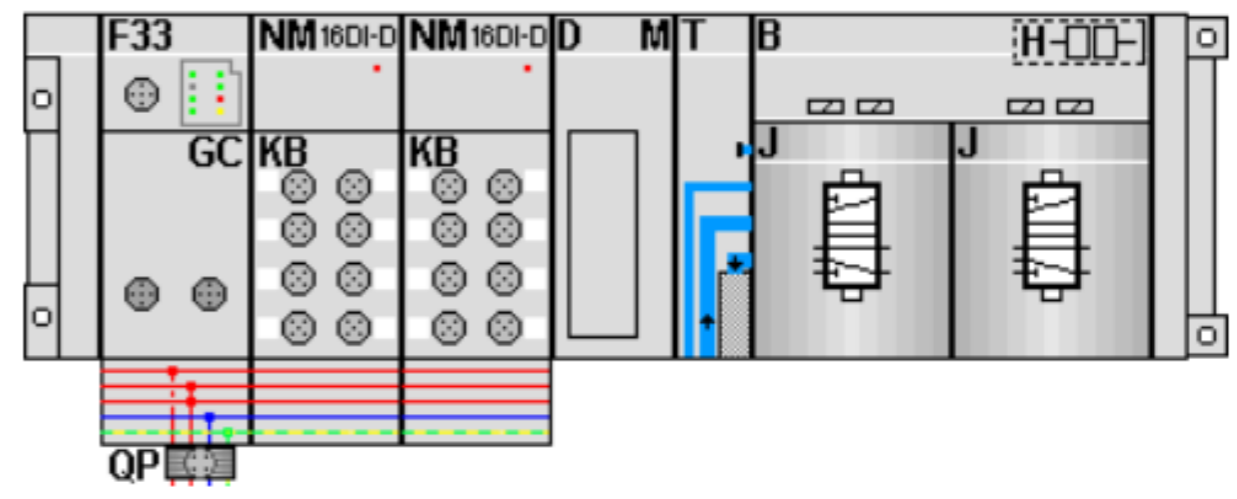


KF1.0



Date		1/11/2023		Volvo Trucks North America		Valiant TMS		AIR SUPPLY		Drawing name:		= V1AR42UQ41KF1	
Ed.		MKLEPADLO		P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				Document type:		+ V1AR42UQ41	
Appr				Replacement of		Replaced by				Project nr:		Page 5	
Modification		Date		Name		Original				MFS		22-16151	
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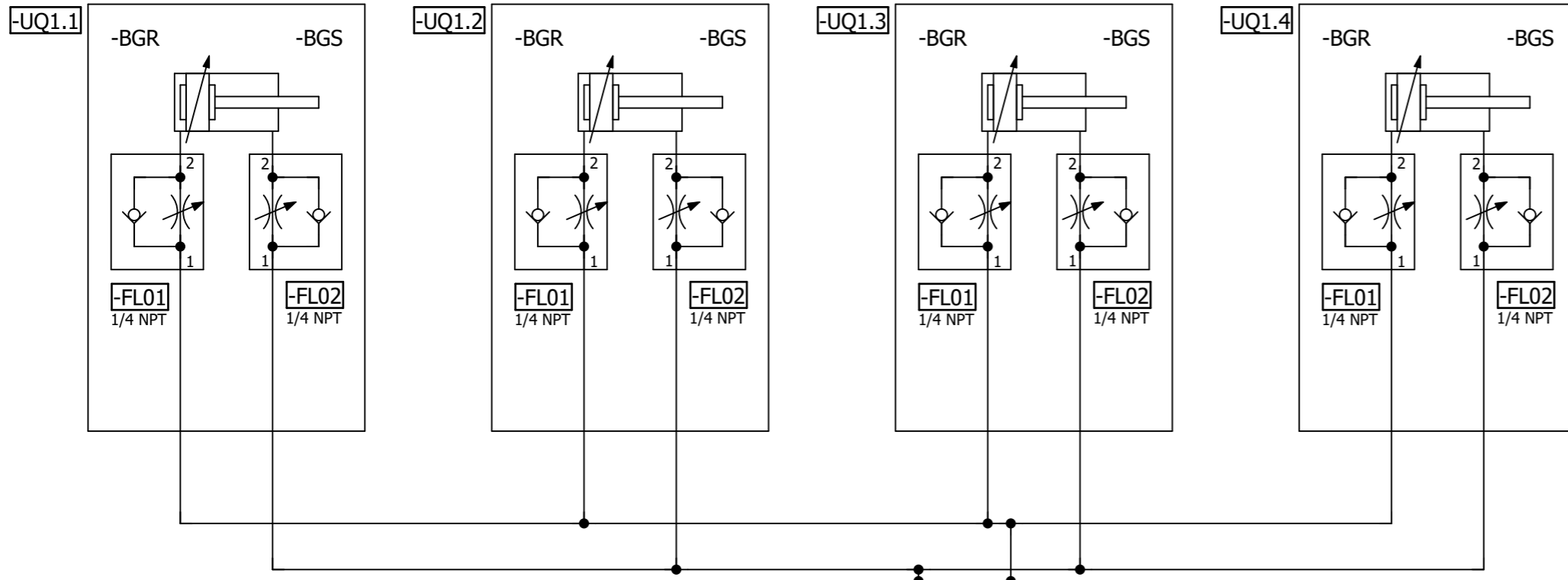
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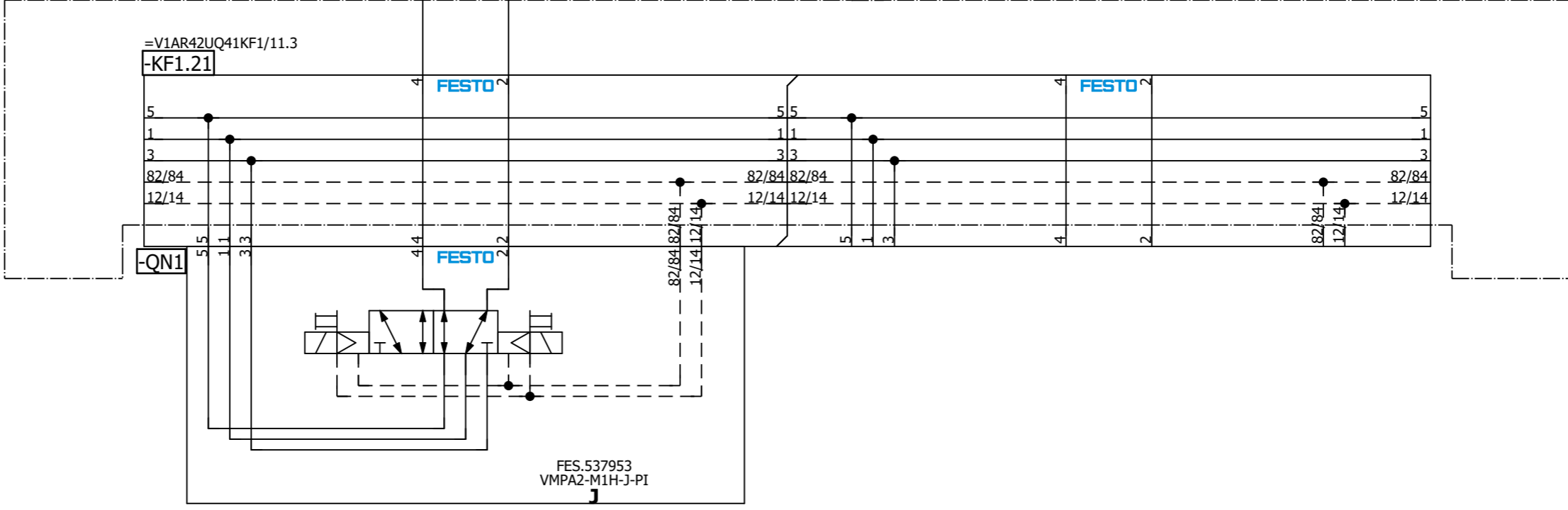
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Date		1/11/2023	Volvo Trucks North America		Valiant TMS	AIR SUPPLY	Drawing name:		= V1AR42UQ41KF1
Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02				=2V02&MFS-PNEU		+ V1AR42UQ41
Appr			Replacement of		Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original	Replaced by			MFS	22-16151	11
									183



=V1AR42UQ41KF1



=V1AR42UQ41  
-UQ1-QN1.1  
Common Grippers  
1 (RST)

=V1AR42UQ41  
-UQ1-QN1.2  
Common Grippers  
1 (SET)

=V1AR42UQ41KF1/11

=V1AR42UQ41UQ2/1

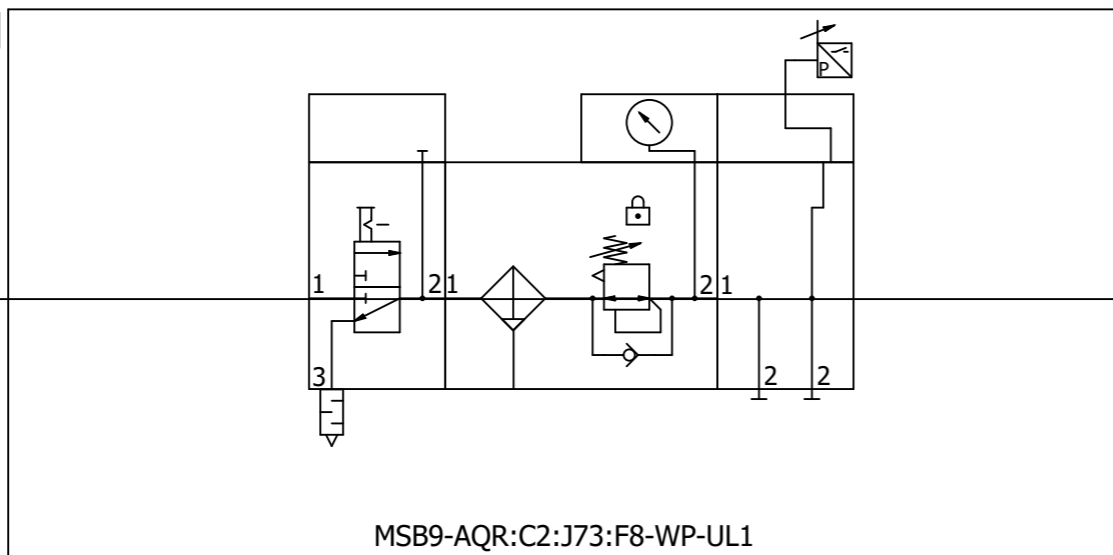
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		Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				Document type: MFS		Project nr: 22-16151	
Modification	Date	Name	Original	Replacement of	Replaced by							Page	1
													183





A2

=KH0+KH0/1.8 / +V1GL11KH1-P1 →




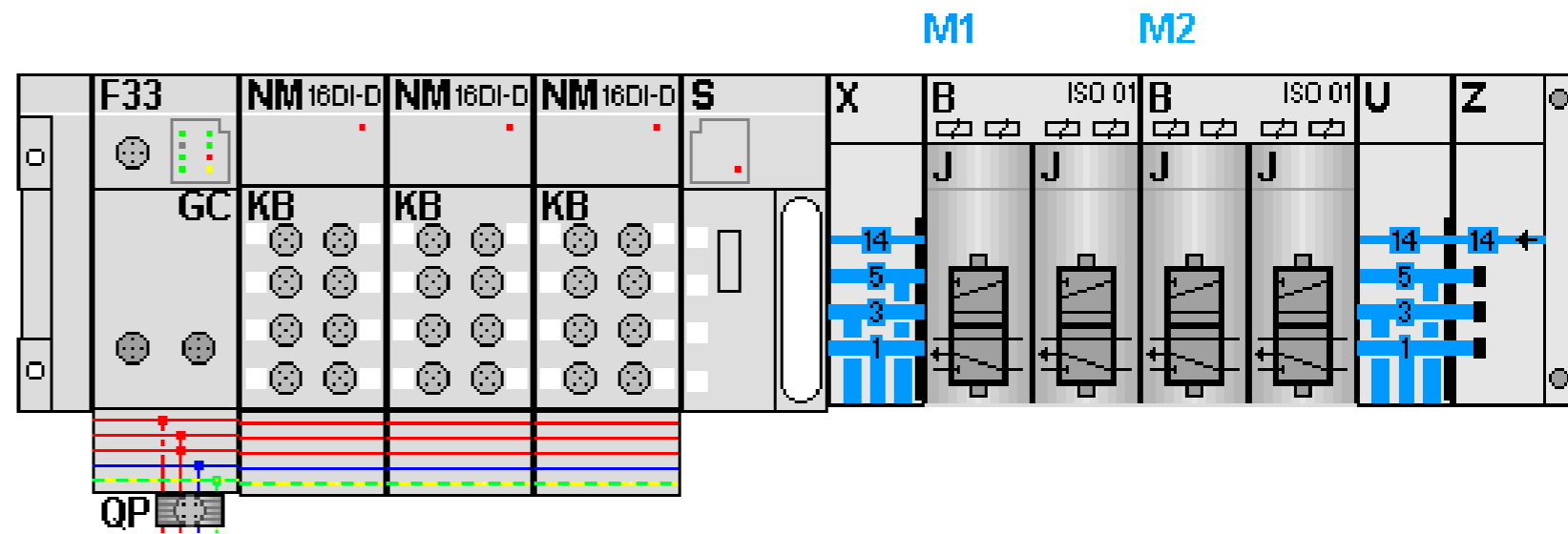
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→ +V1GL11UQ51-P1 / =V1GL11UQ51KF1+V1GL11UQ51/11.0

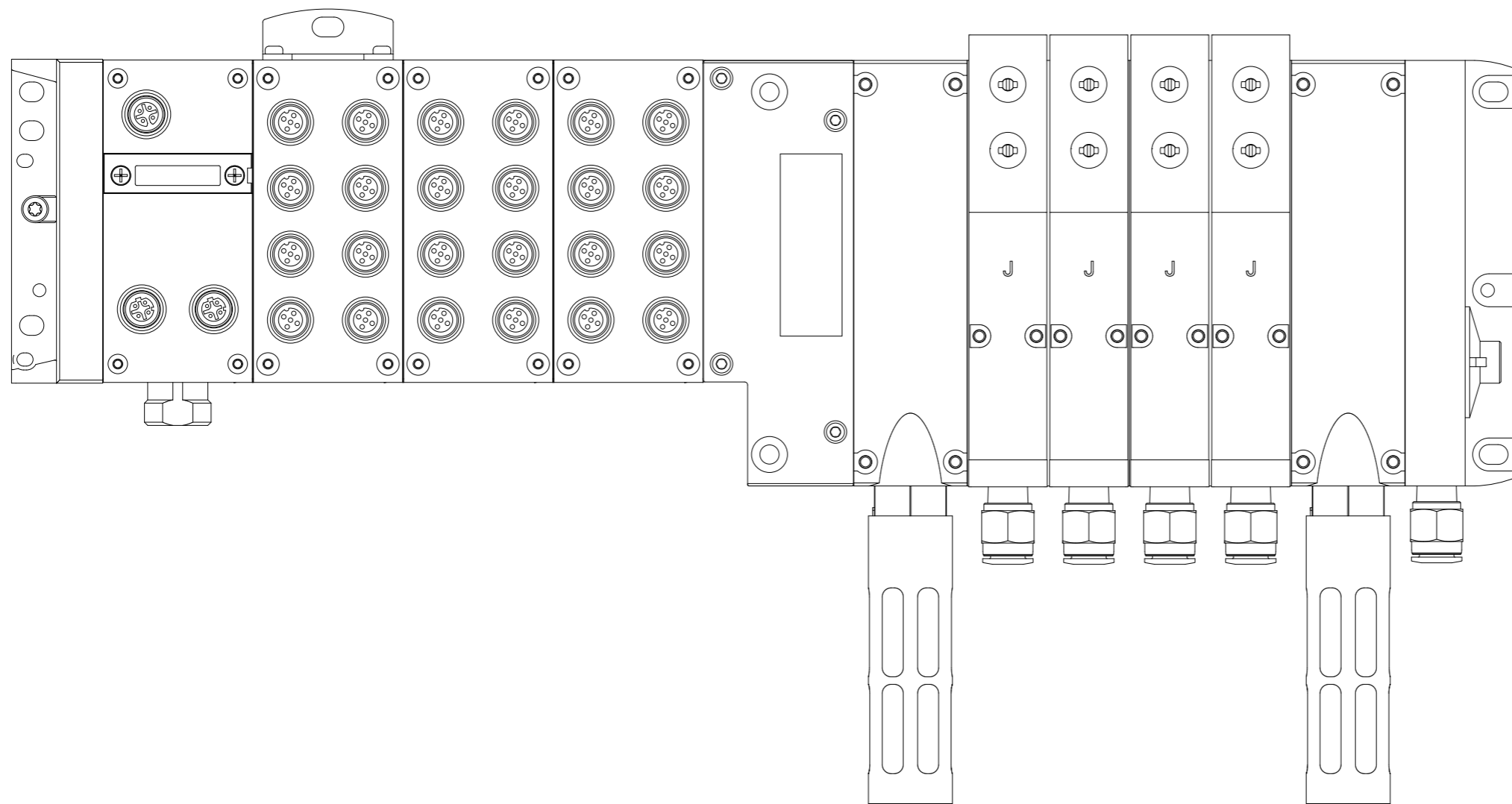
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=V1GL11UQ51KF1+V1GL11UQ51/5

			Date	1/11/2023	Volvo Trucks North America			Valiant TMS	Incoming air supply (Fixture)	Drawing name:		= V1GL11
			Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02					=2V02&MFS-PNEU		+ KH1
			Appr.		Replacement of			Scale 1:1	Document type:		Project nr:	Page
Modification	Date	Name	Original		Replaced by				MFS		22-16151	1
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KF1.0

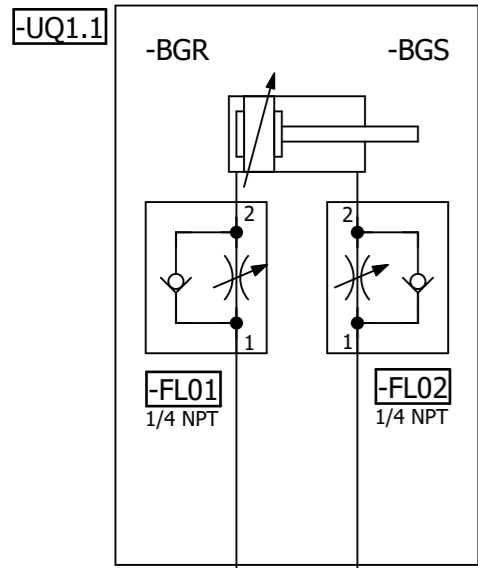


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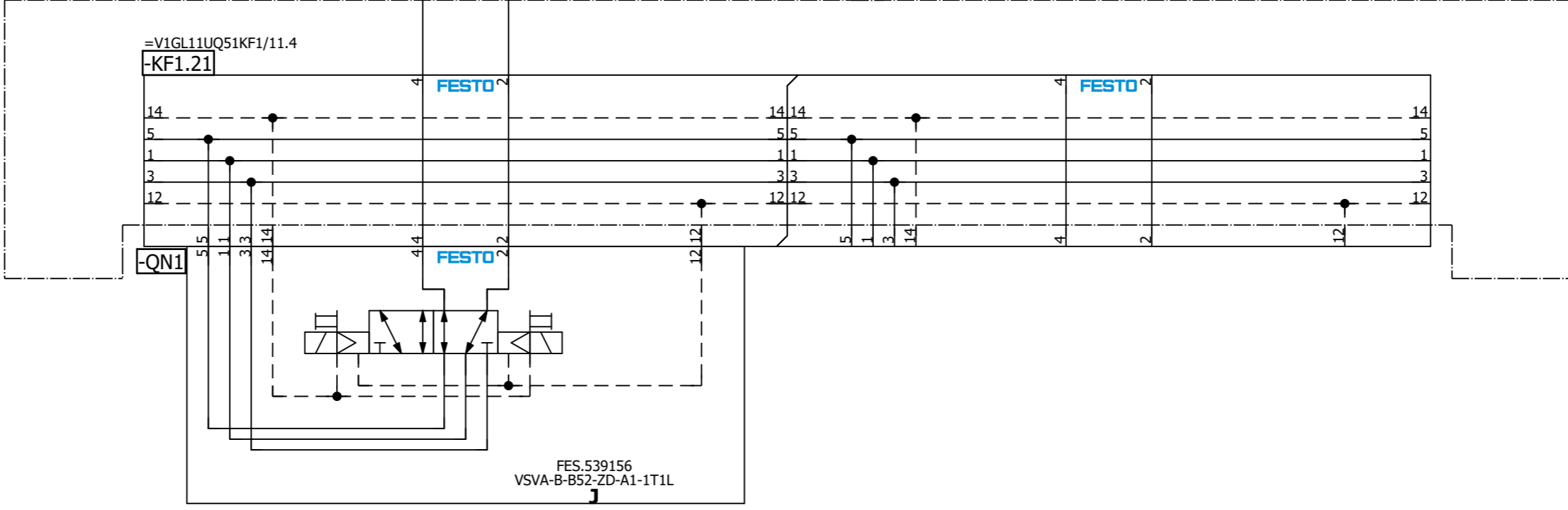
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Modification		Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Drawing name: =2V02&MFS-PNEU		= V1GL11UQ51KF1 + V1GL11UQ51		Page 5
		Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Document type: MFS		Project nr: 22-16151		183
				Volvo Trucks North America		Valiant TMS		AIR SUPPLY CONFIGURATION				
				P6700 Underbody Structure - Robot Cell 2V02								





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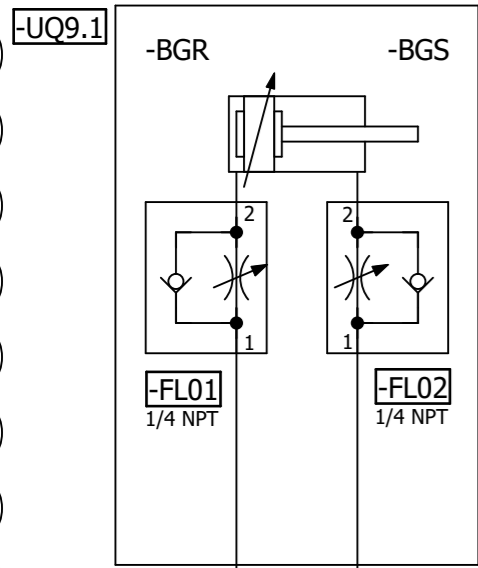
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-UQ1-QN1.1  
Pallet Stop Station  
#1 Load (RST)

=V1GL11UQ51  
-UQ1-QN1.2  
Pallet Stop Station  
#1 Load (SET)

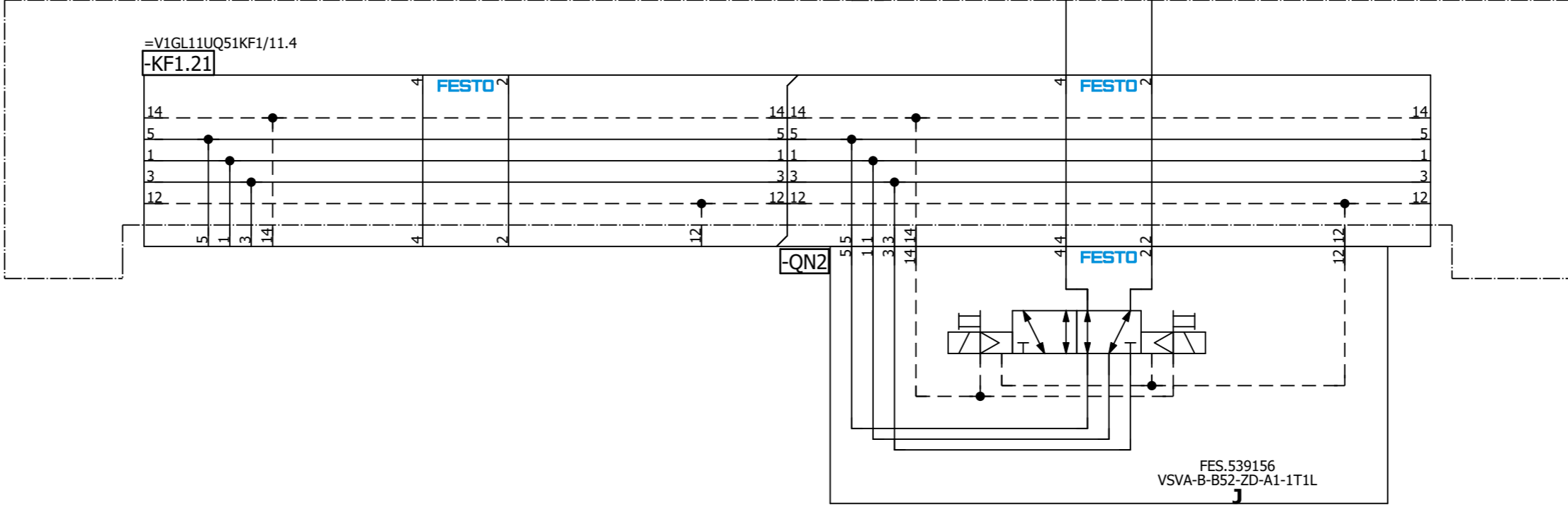
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=V1GL11UQ51UQ9/1

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Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				=2V02&MFS-PNEU		+ V1GL11UQ51	
Appr			Replacement of		Replaced by				Document type:		Project nr:	
Original									MFS		22-16151	
Modification		Date	Name		Original						Page	
											1	
											183	



=V1GL11UQ51KF1



=V1GL11UQ51  
-UQ9-QN2.1  
Pallet Stop Station  
#9 Pre-Load (RST)

=V1GL11UQ51  
-UQ9-QN2.2  
Pallet Stop Station  
#9 Pre-Load (SET)

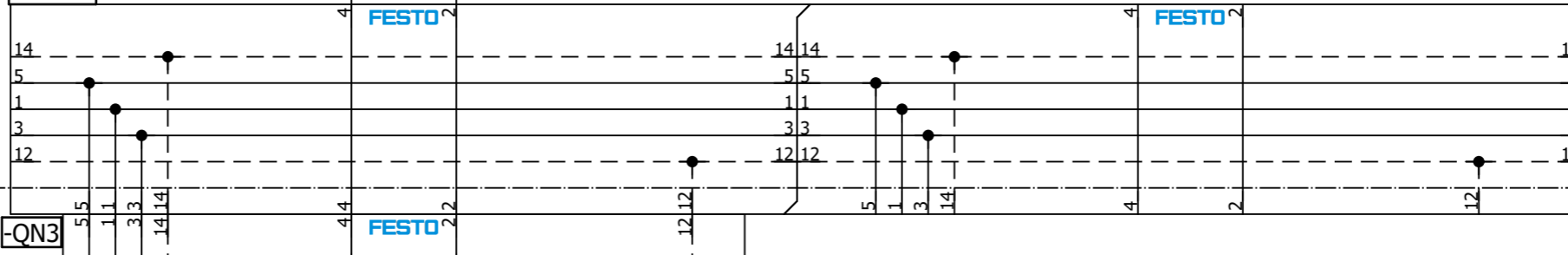
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=V1GL11UQ51UQ1/1

Date: 1/11/2023		Volvo Trucks North America		Valiant TMS		Pallet Stop Station #9 Pre-Load		Drawing name: =2V02&MFS-PNEU		= V1GL11UQ51UQ9	
Ed. MKLEPADLO		P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				Document type: MFS		+ V1GL11UQ51	
Appr. Original		Replacement of		Replaced by				Project nr: 22-16151		Page 1	
										183	

=V1GL11UQ51KF1

=V1GL11UQ51KF1/11.4  
-KF1.22



=V1GL11UQ51  
-QN3.1  
Spare  
(RST)

=V1GL11UQ51  
-QN3.2  
Spare  
(SET)

=V1GL11UQ51UQ9/1

=V1GL11UQ51UQxx/1

Date	1/11/2023
Ed.	MKLEPADLO
Appr	
Original	

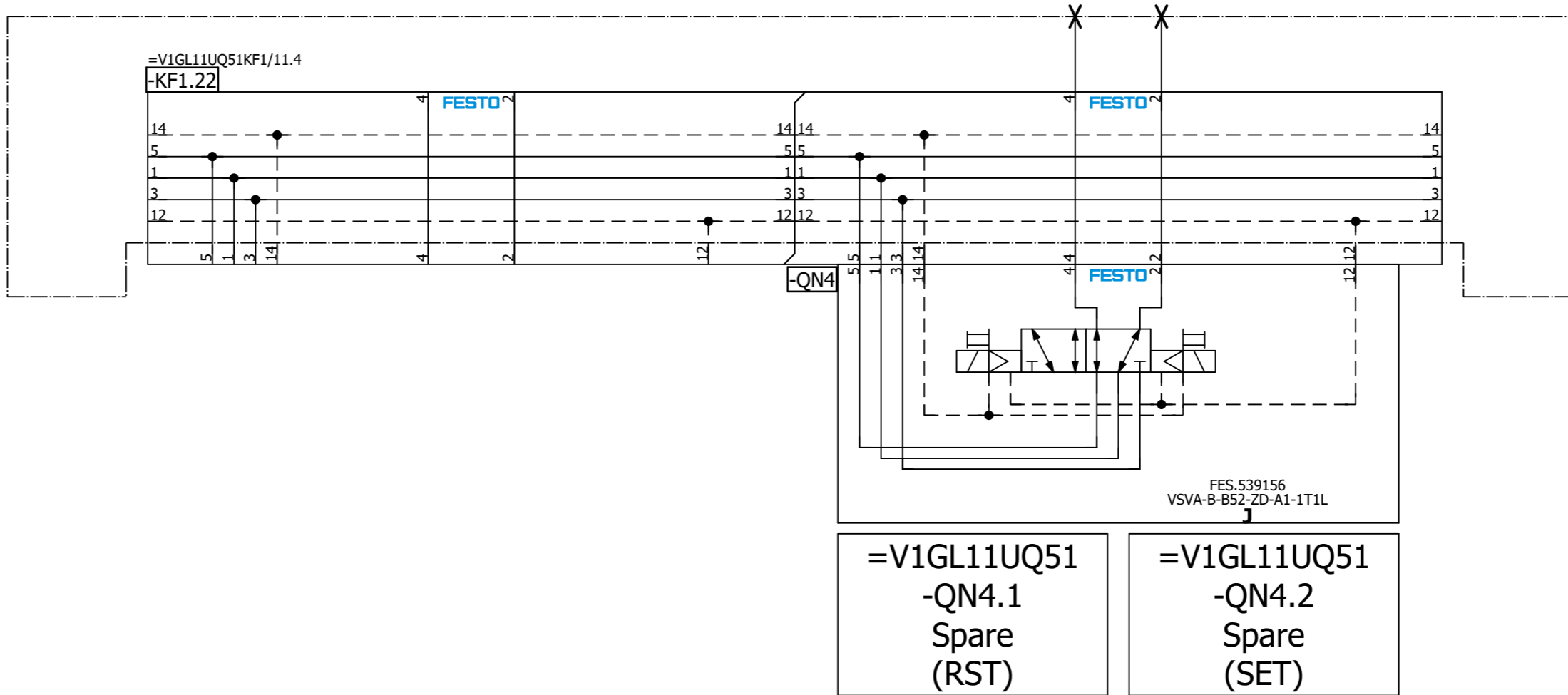
Volvo Trucks North America	
P6700 Underbody Structure - Robot Cell 2V02	
Replacement of	Replaced by

Valiant TMS
Scale 1:1

Spare QN3
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Drawing name:	=V1GL11UQ51UQx =2V02&MFS-PNEU	Project nr:	22-16151	Page	1
Document type:	MFS				183

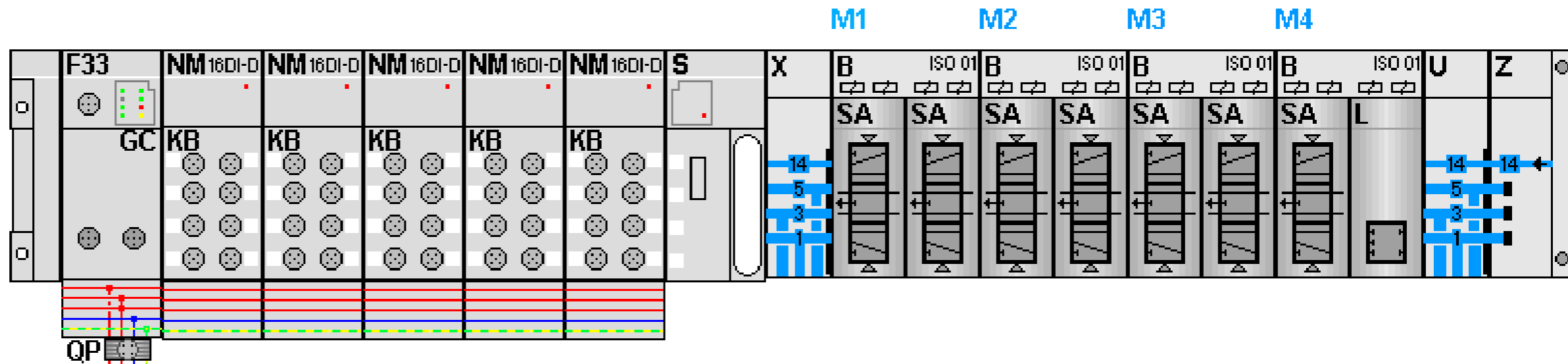
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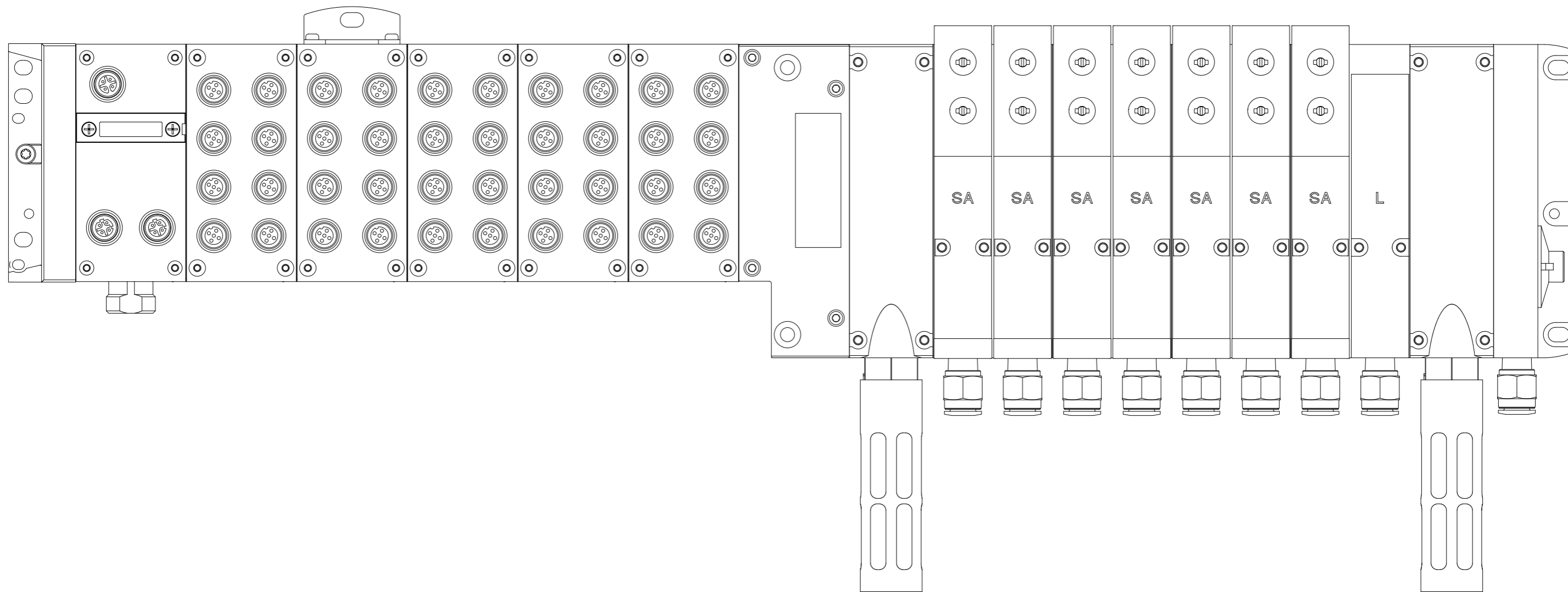
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			Ed.	MKLEPADLO				=2V02&MFS-PNEU	+ V1GL11UQ51	
Modification	Date	Name	Appr		P6700 Underbody Structure - Robot Cell 2V02			Document type:	Project nr:	Page
			Original		Replacement of	Replaced by	Scale 1:1	MFS	22-16151	1
										183





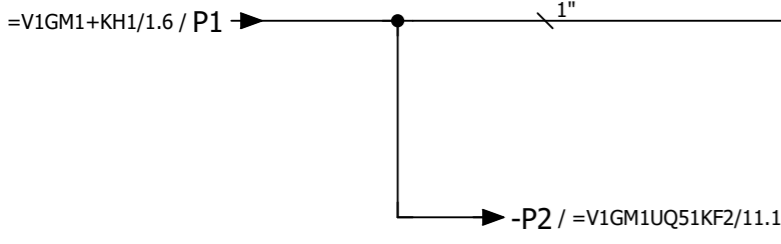
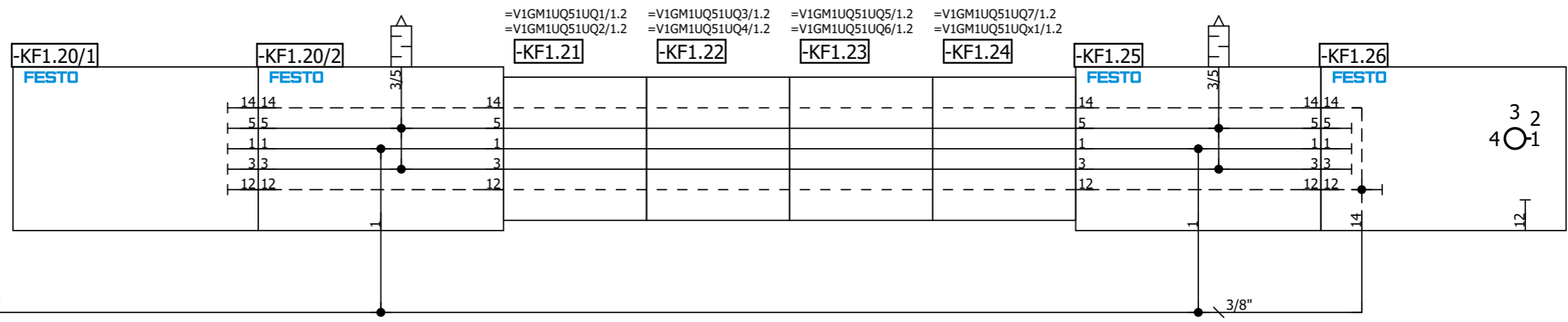
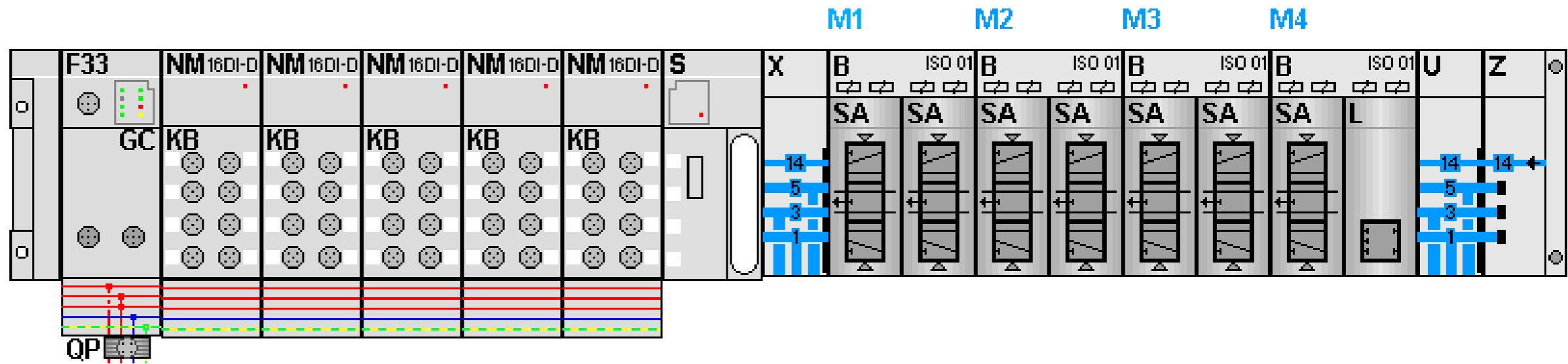


KF1.0



=V1GM1+KH1/1

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Appr			Replacement of		Scale 1:1	Document type:	Project nr:	Page	5
Original			Replaced by						MFS



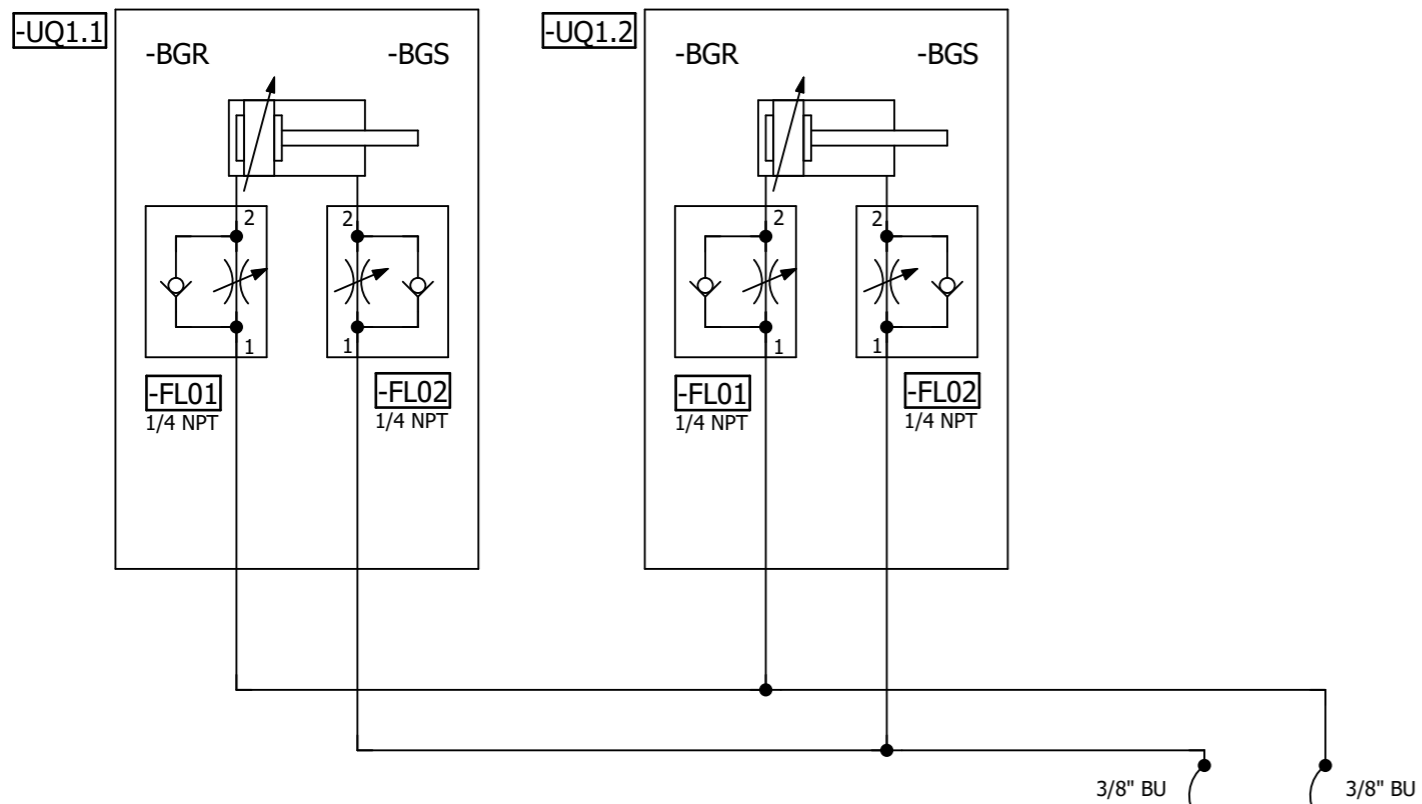
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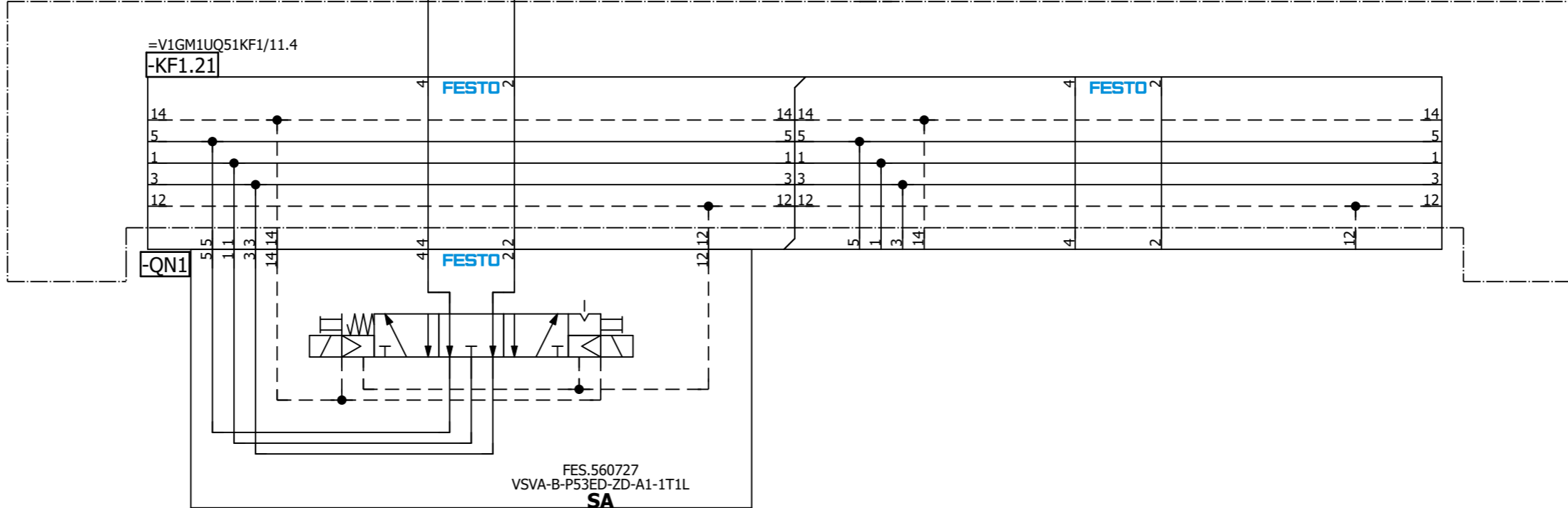
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Ed.		MKLEPADLO		P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				Document type:		= 2V02&MFS-PNEU	
Appr.				Replacement of		Replaced by				Project nr:		22-16151	
Modification		Date		Name		Original				Document type:		Page 11	
										MFS		183	







=V1GM1UQ51KF1



=V1GM1UQ51  
-UQ1-QN1.1  
Mod Select X-Slide  
Mid Stops (RST)

=V1GM1UQ51  
-UQ1-QN1.2  
Mod Select X-Slide  
Mid Stops (SET)

=V1GM1UQ51KF2/11

=V1GM1UQ51UQ2/1

Date		1/11/2023	Volvo Trucks North America		Valiant TMS	Model Select X-Slide Mid Pos Stops	Drawing name:		= V1GM1UQ51UQ1		
Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02				=2V02&MFS-PNEU		+ V1GM1UQ51		
Appr			Replacement of		Scale 1:1	Document type:		MFS	Project nr:		22-16151
Original			Replaced by			Page		1		183	





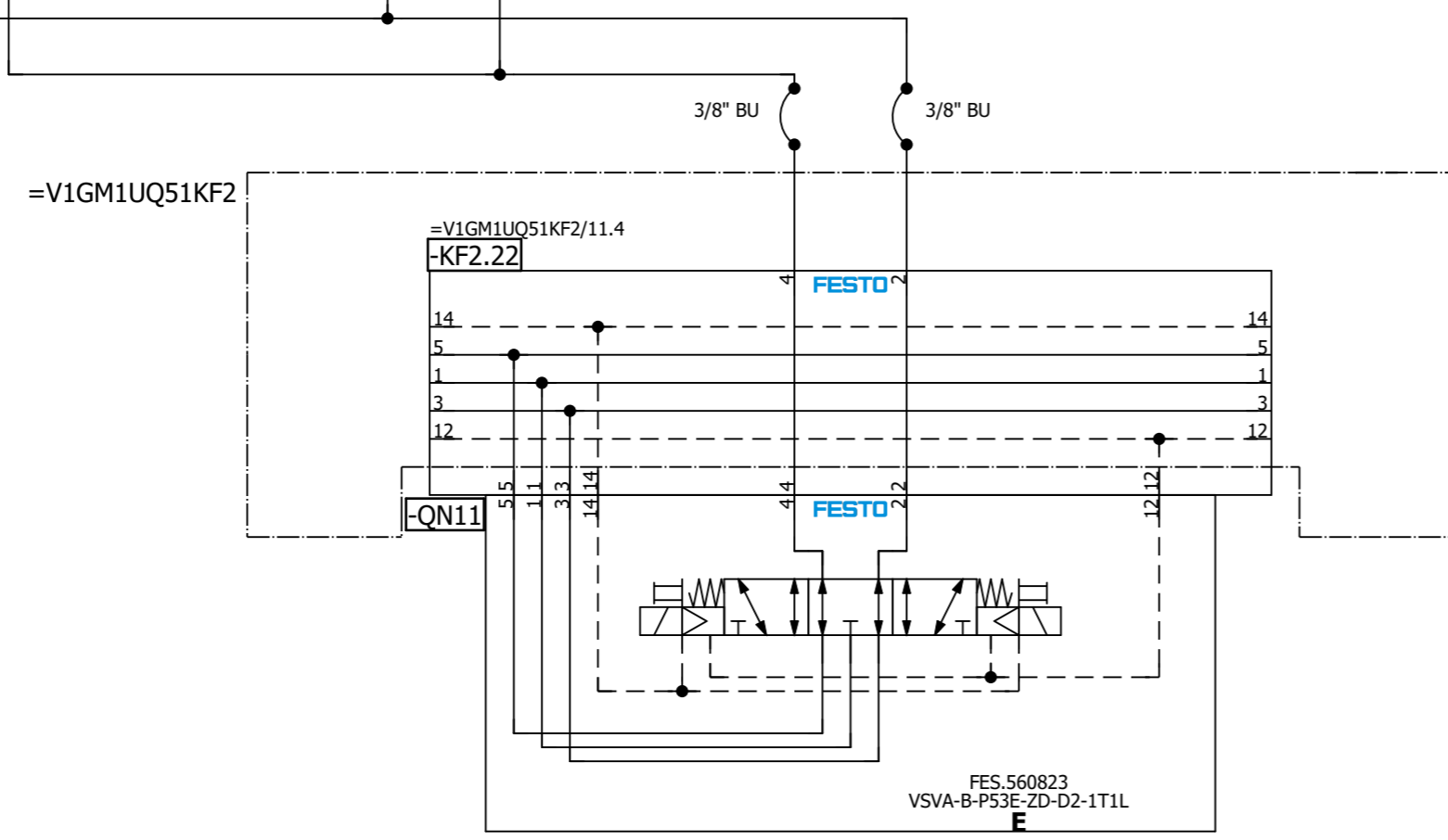
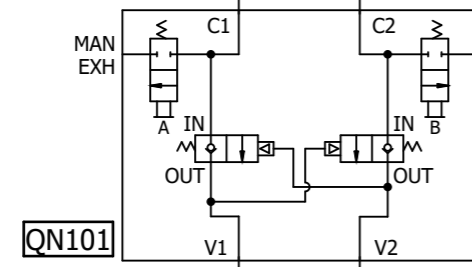
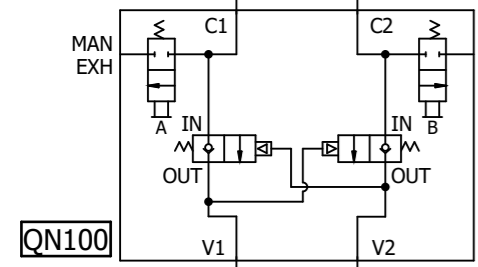
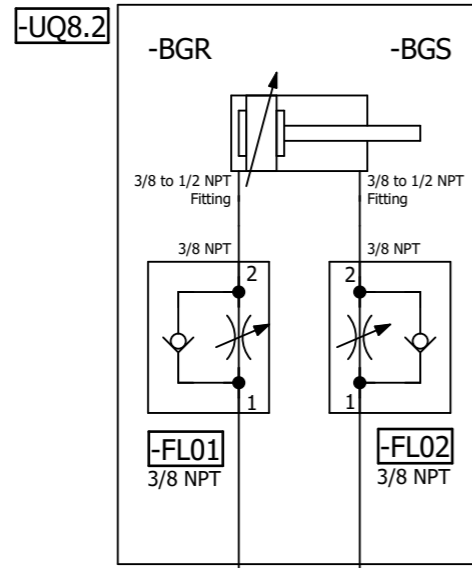
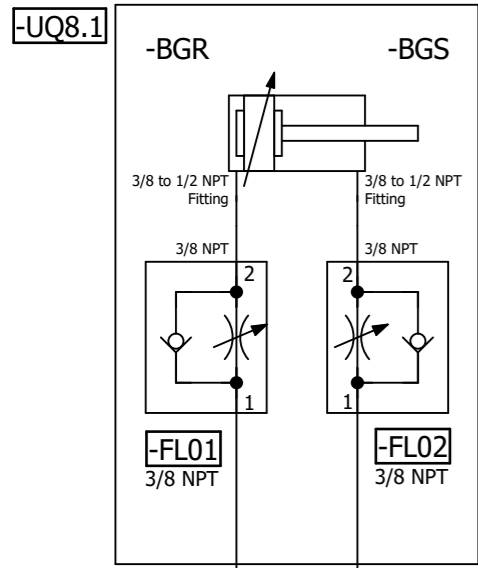












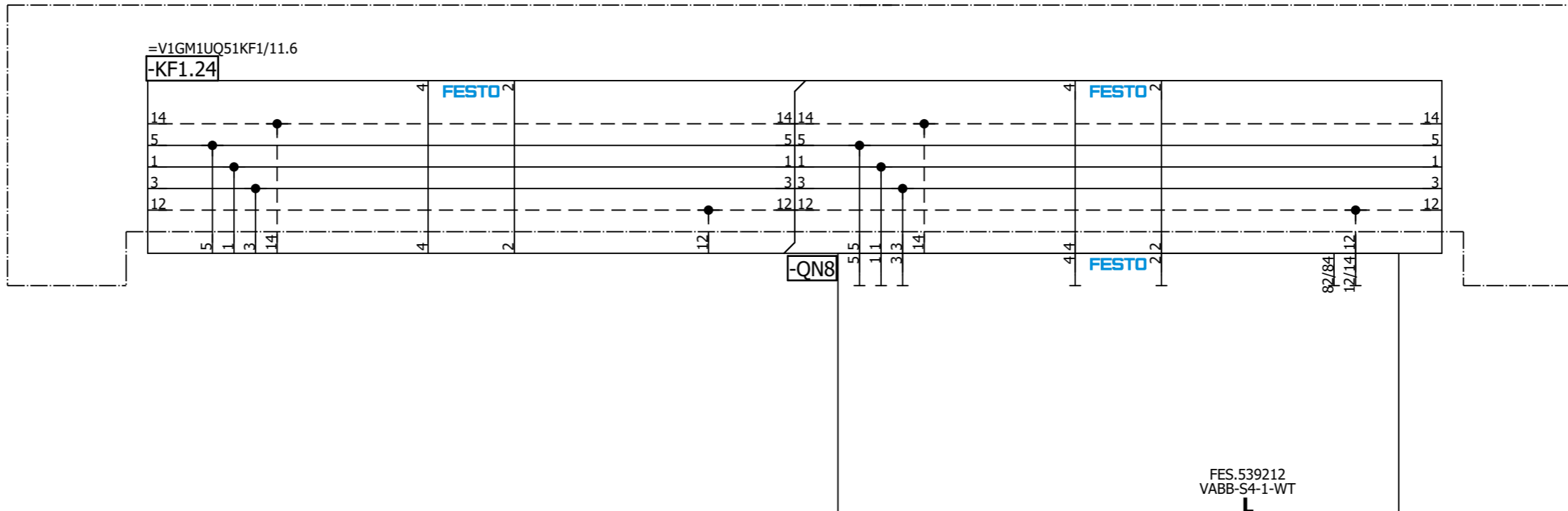
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-UQ8-QN11.1  
Common Slide  
Units (RST)

=V1GM1UQ51  
-UQ8-QN11.2  
Common Slide  
Units (SET)

=V1GM1UQ51UQ7/1 =V1GM1UQ51UQx1/1

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Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1			183	

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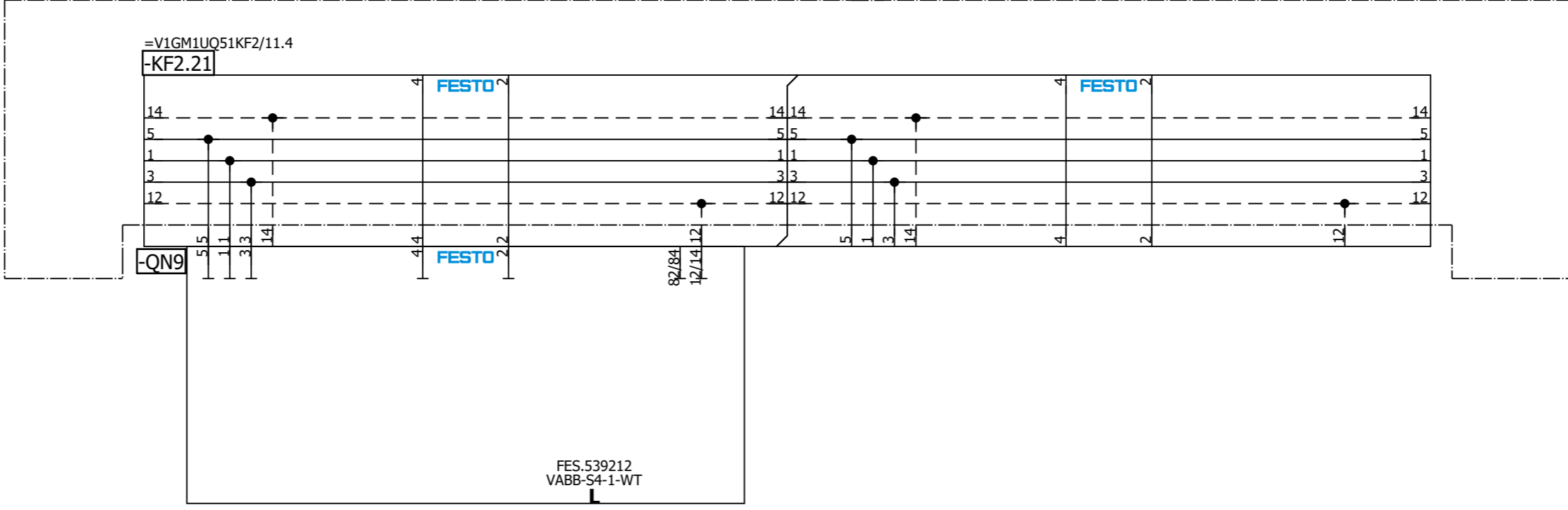


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Appr.			Replacement of		Replaced by				Document type:		Project nr:	
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											1	
											183	

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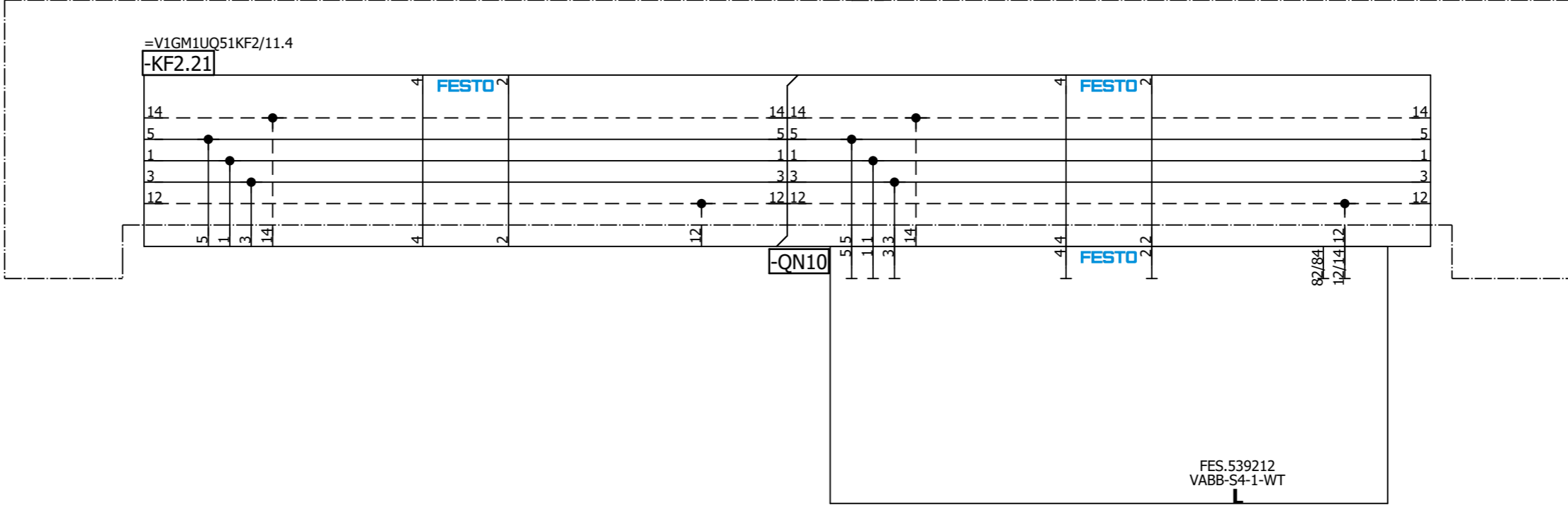


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Modification	Date	Name	Original							MFS		Page 1	
										22-16151		183	

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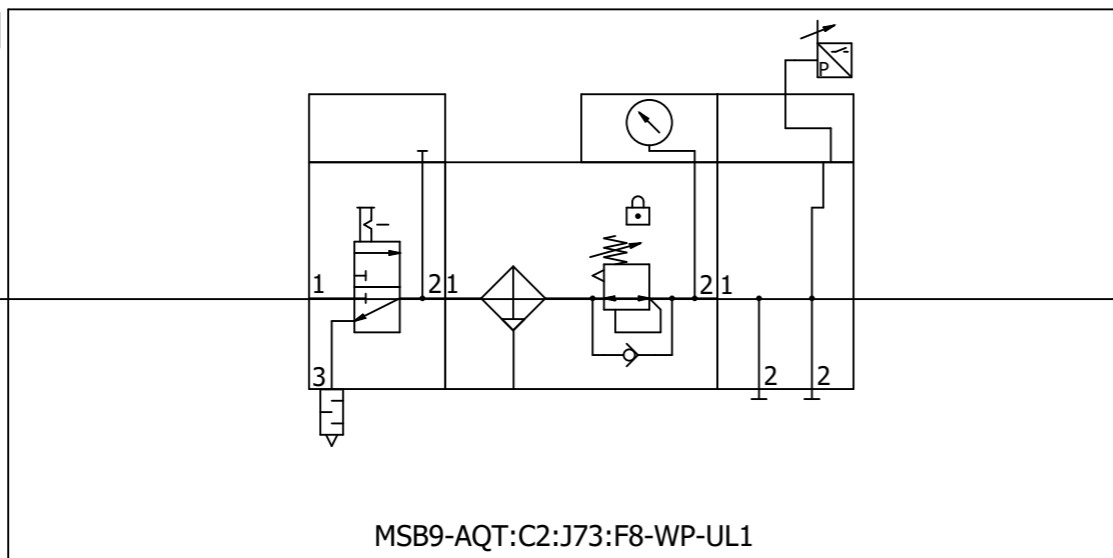
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Appr.				Replacement of		Replaced by				Project nr:		+ V1GM1UQ51	
Modification	Date	Name	Original							MFS		22-16151	
											Page	1	
												183	

A2

=KH0+KH0/1.8 / +V1GM2KH1-P1 →




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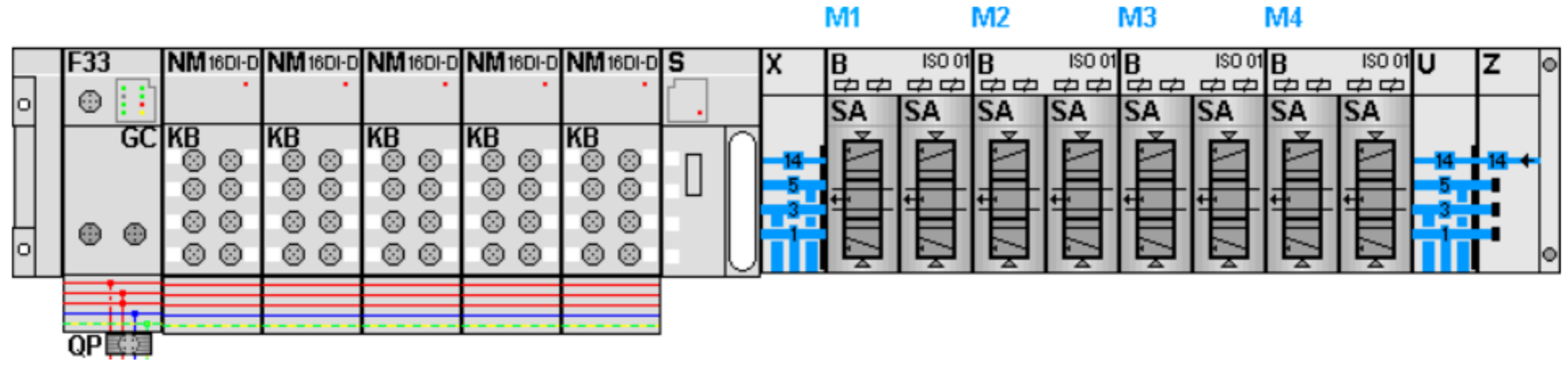
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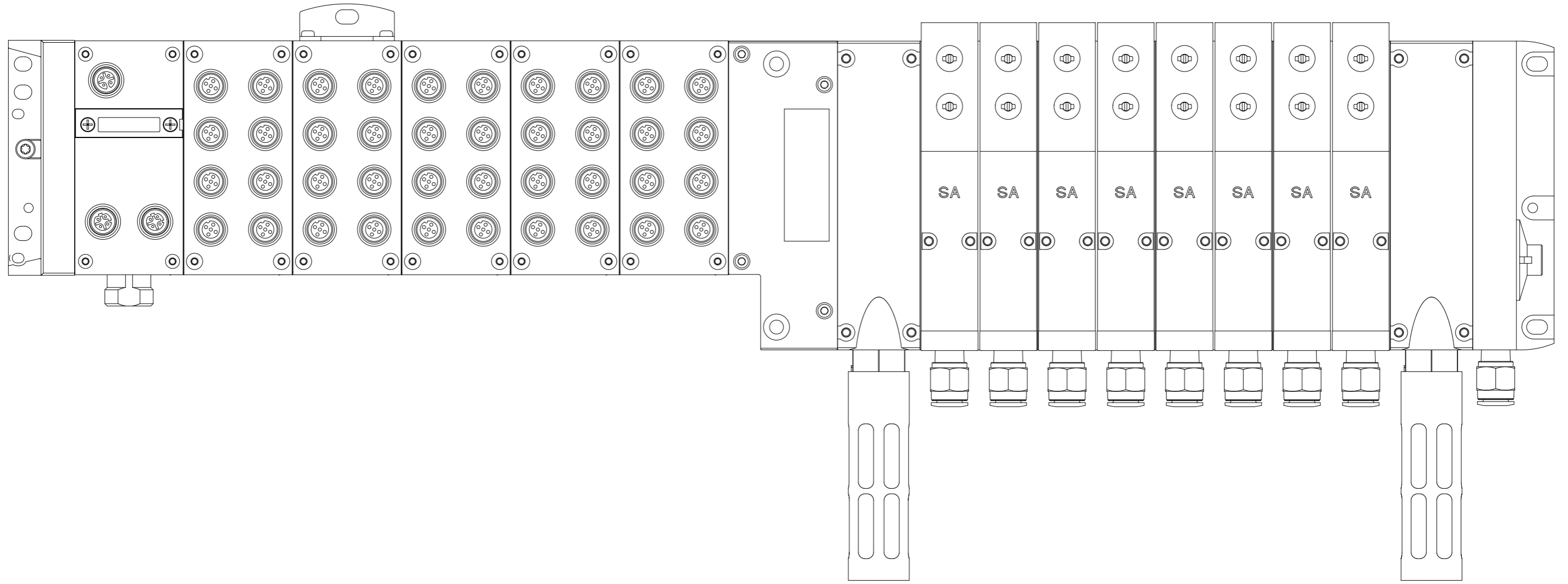
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		Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02						=2V02&MFS-PNEU		+ KH1		
		Appr		Replacement of		Replaced by	Scale 1:1	Document type:		MFS	Project nr:	22-16151	Page	1
Modification	Date	Name	Original											183



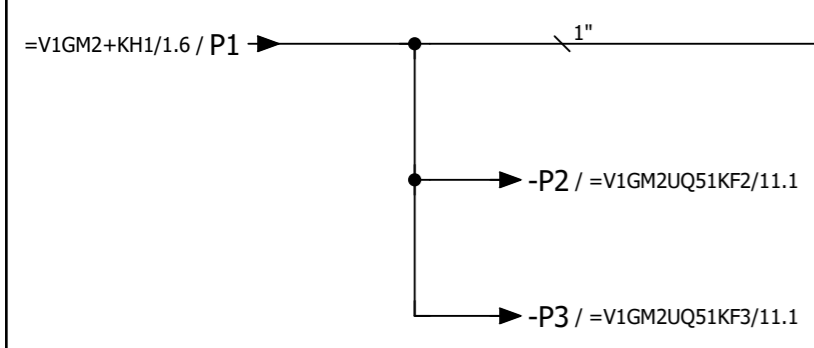
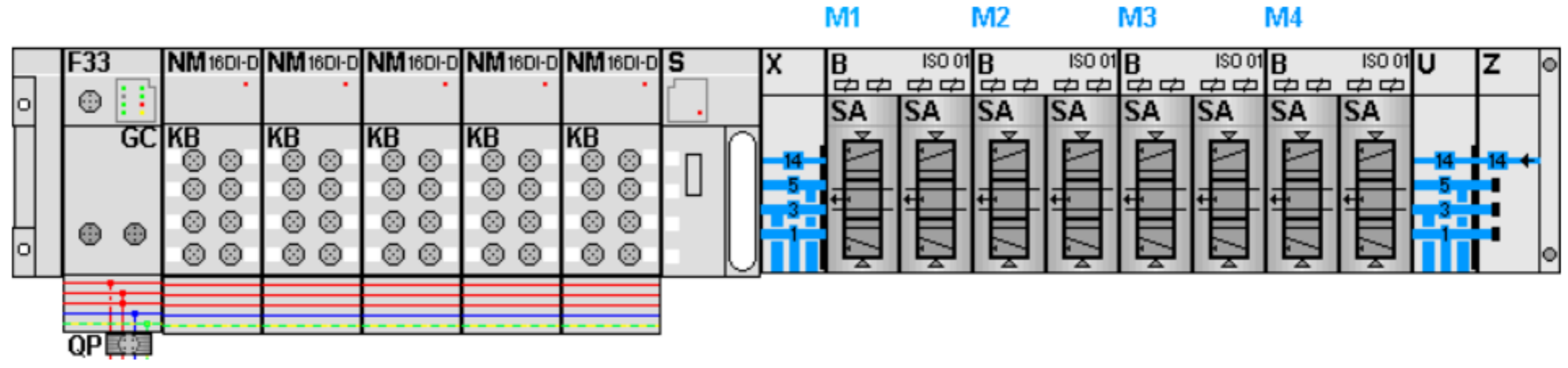


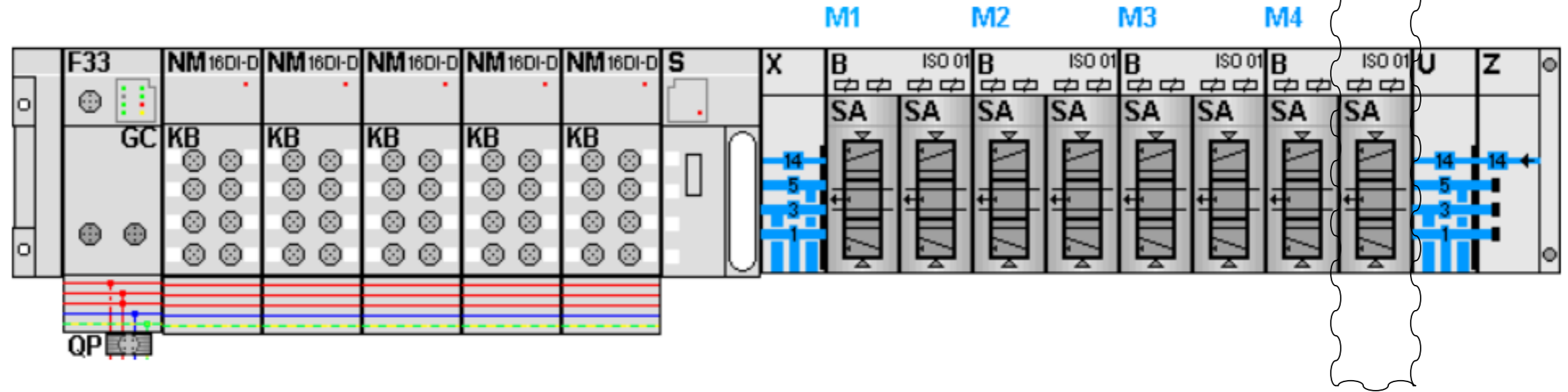
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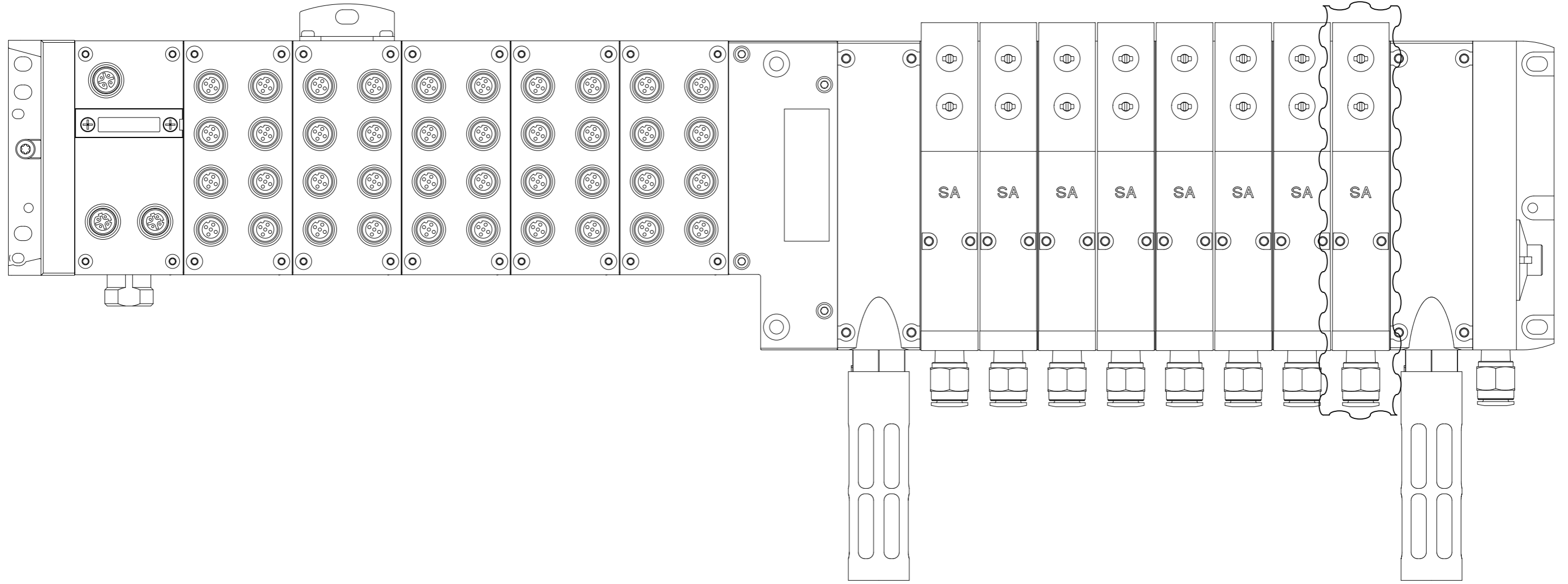
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Date		1/11/2023		Volvo Trucks North America		Valiant TMS		AIR SUPPLY CONFIGURATION		Drawing name:		= V1GM2UQ51KF1	
Ed.		MKLEPADLO		P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				= 2V02&MFS-PNEU		+ V1GM2UQ51	
Appr				Replacement of		Replaced by				Document type:		Project nr:	
Original										MFS		22-16151	
Modification		Date		Name								Page	
												5	
												183	



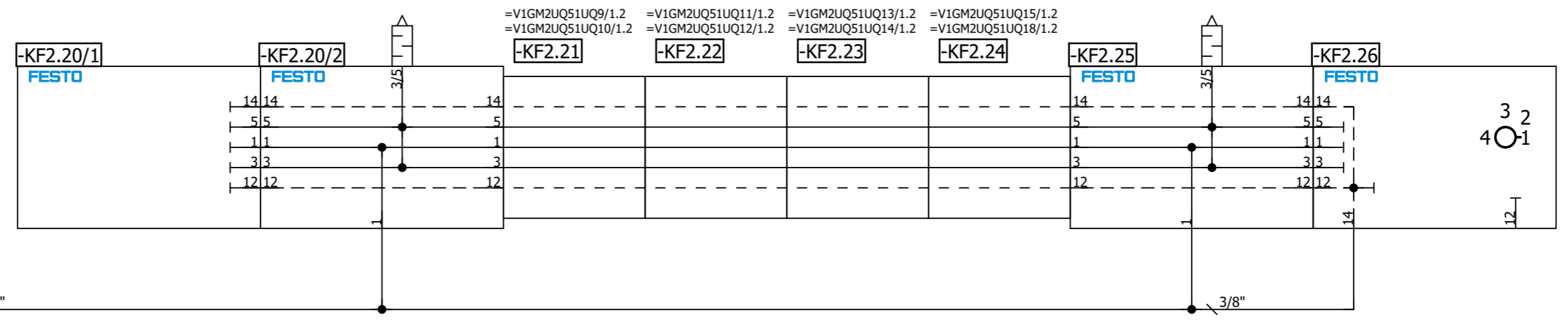
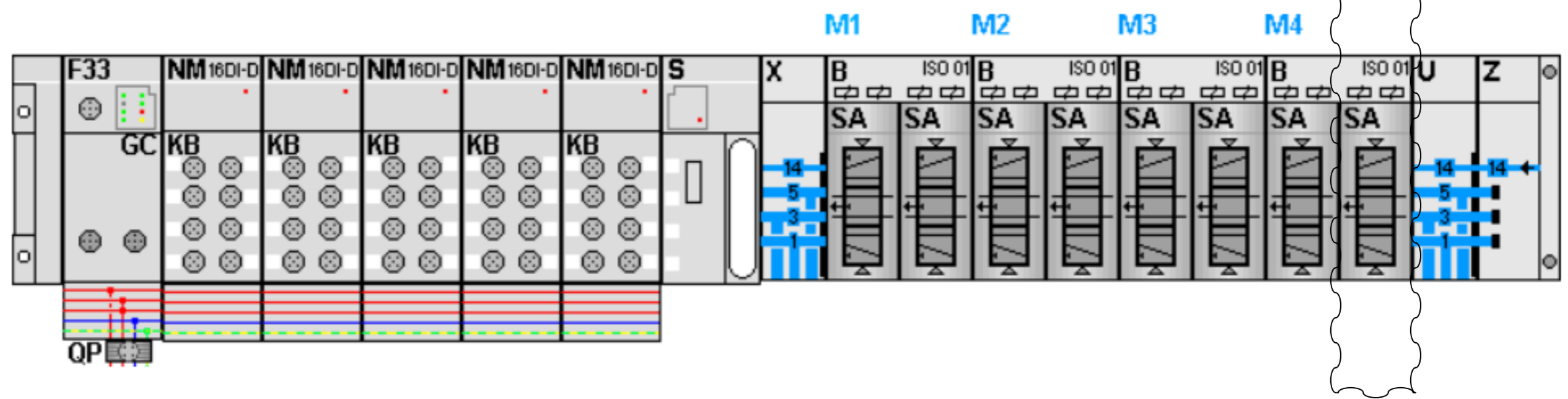


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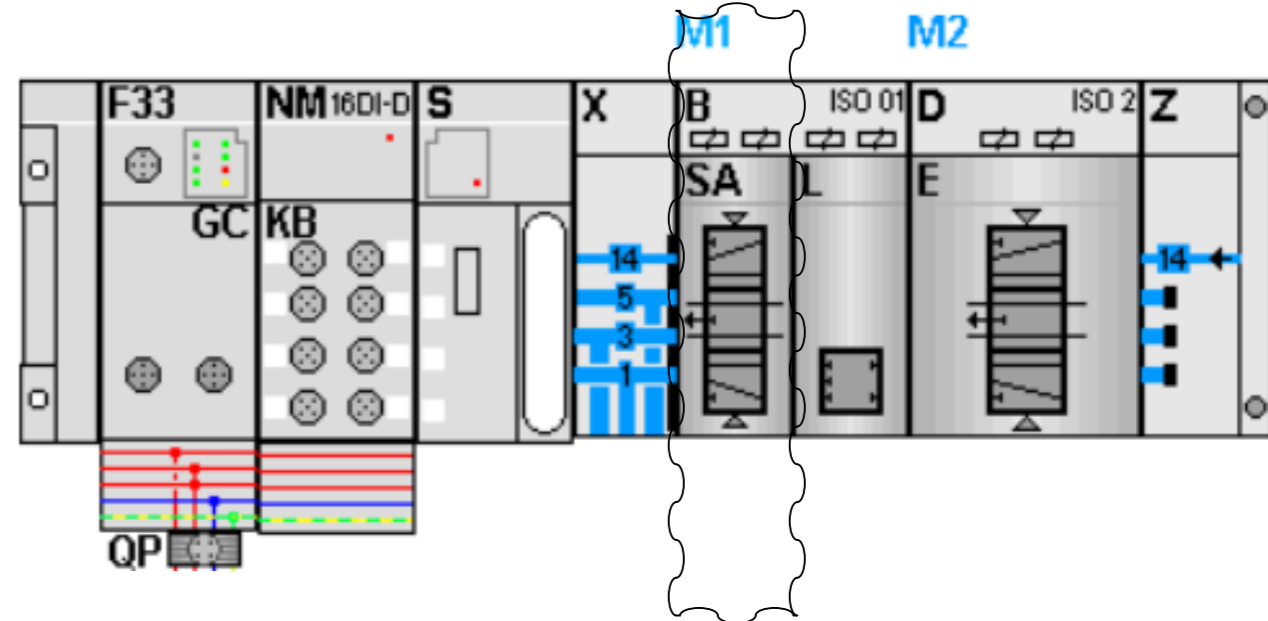
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Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02				=2V02&MFS-PNEU		+ V1GM2UQ51		
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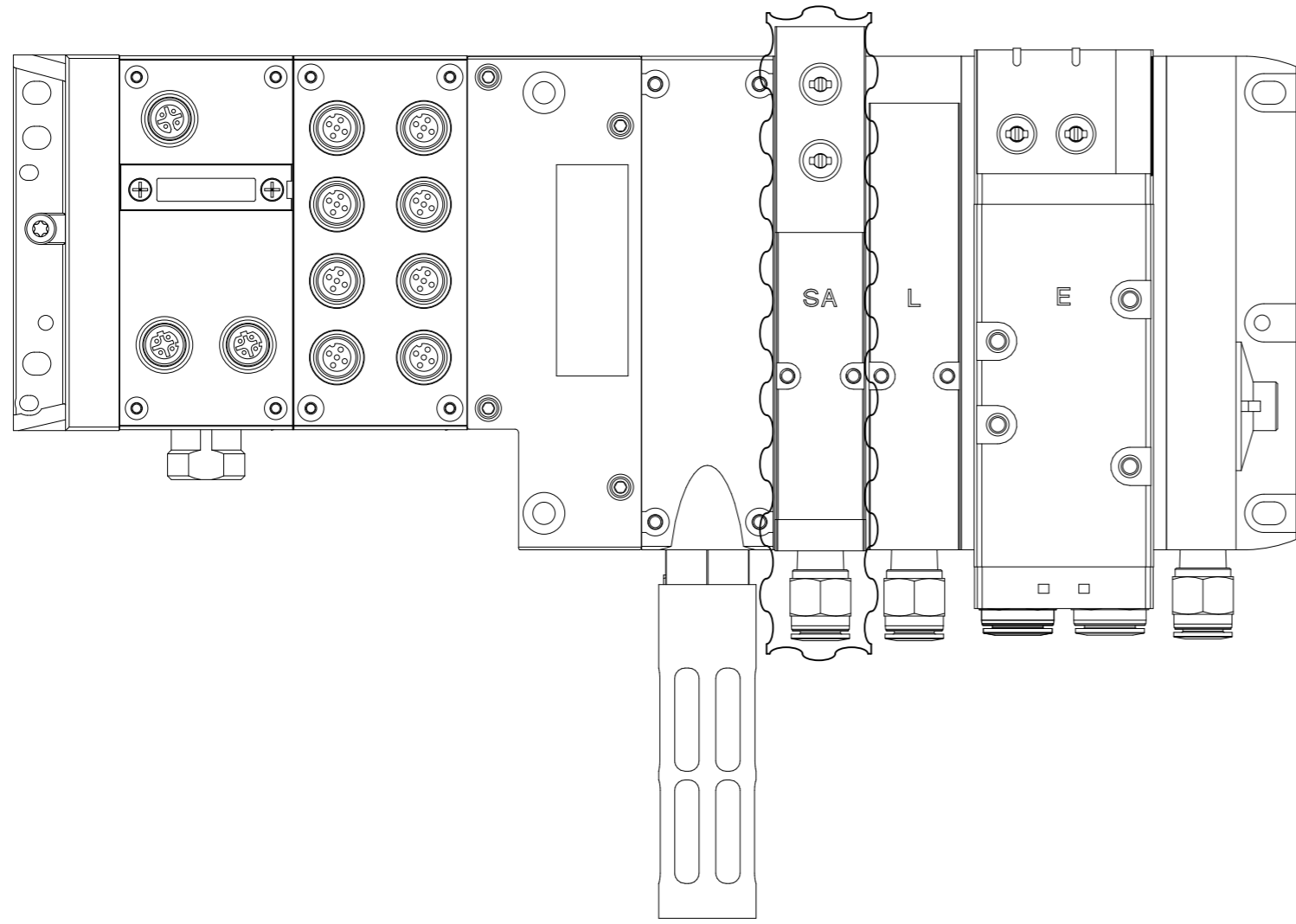


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Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02				=2V02&MFS-PNEU		+ V1GM2UQ51		
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Original			Replaced by			Page		11		183	



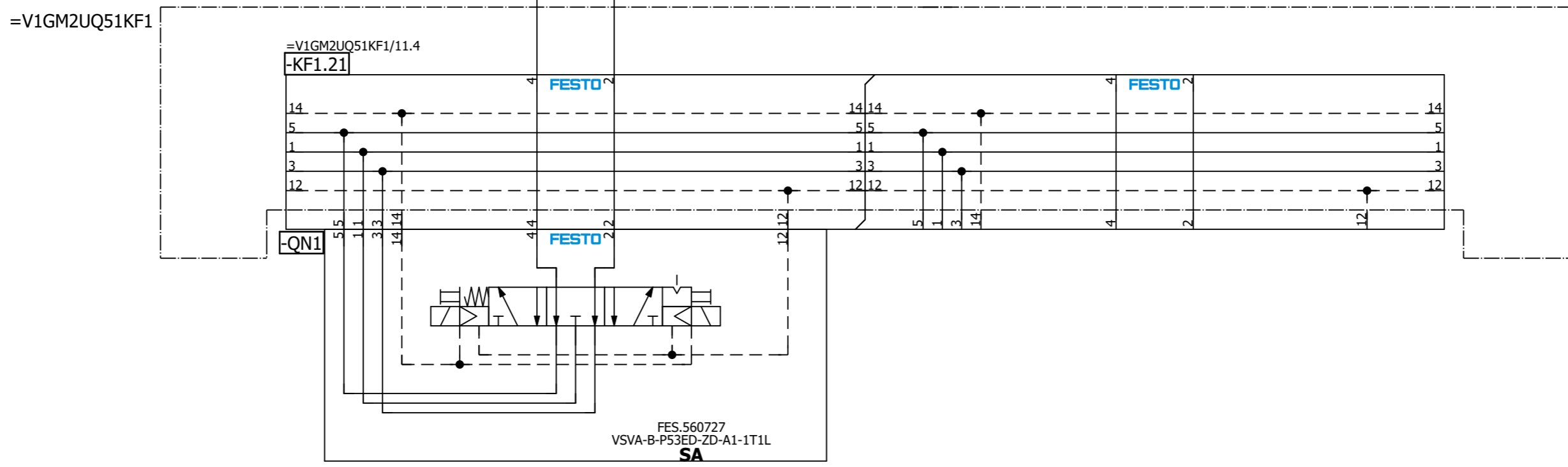
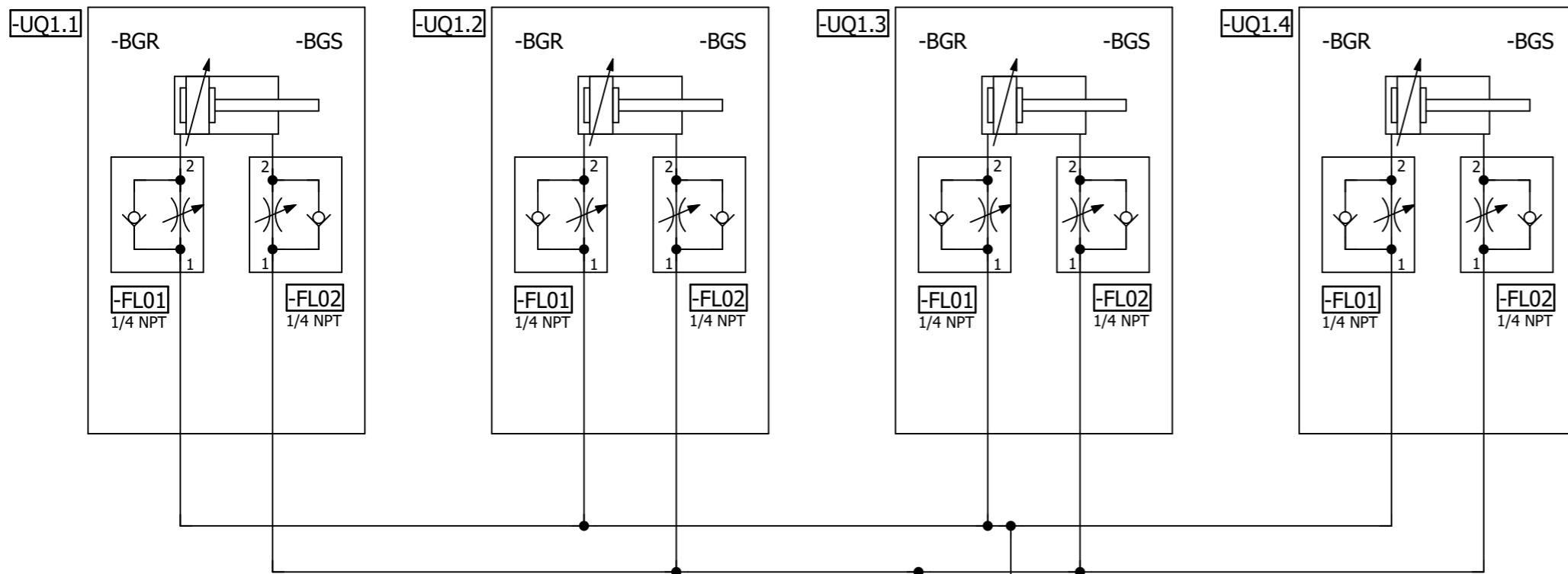
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Appr:		Replacement of		Replaced by		Scale 1:1		Page 5	
Modification		Date		Name		Original		183	





=V1GM2UQ51  
-UQ1-QN1.1  
Common Part  
Pos/Clps 1 (RST)

=V1GM2UQ51  
-UQ1-QN1.2  
Common Part  
Pos/Clps 1 (SET)

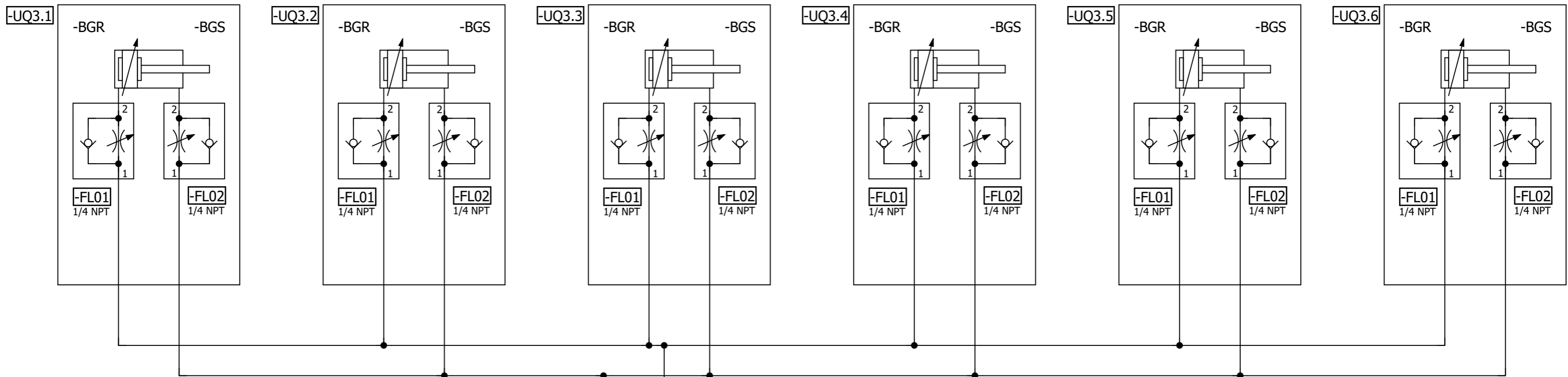
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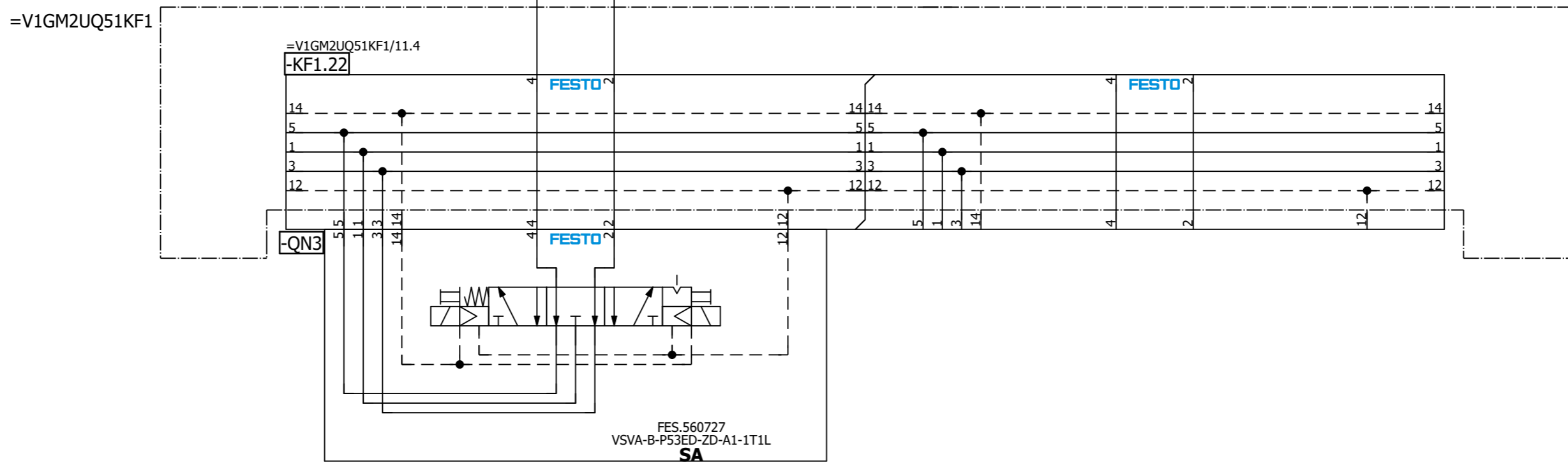
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3/8" BU 3/8" BU

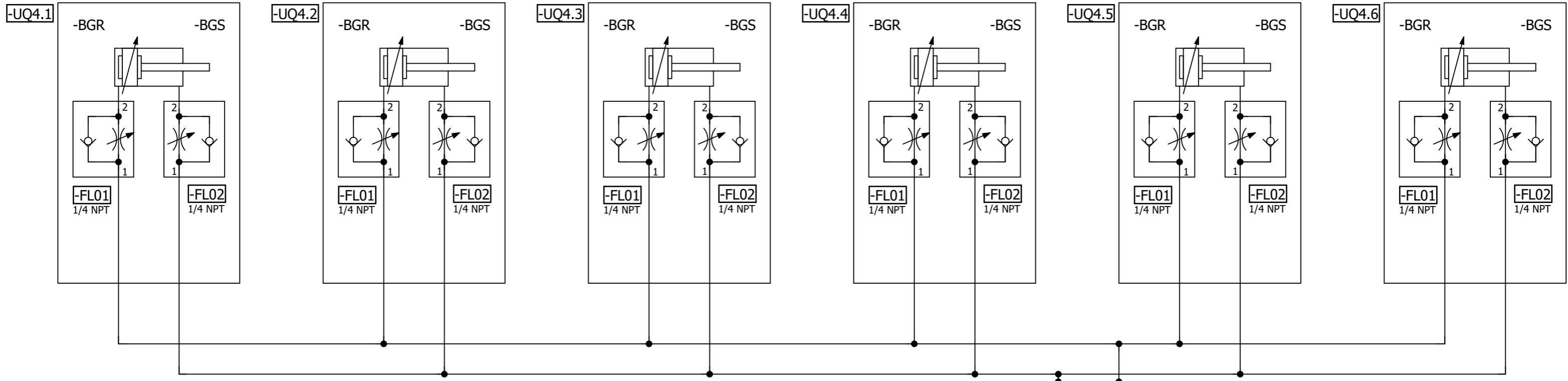


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Common Clamps  
2 (RST)

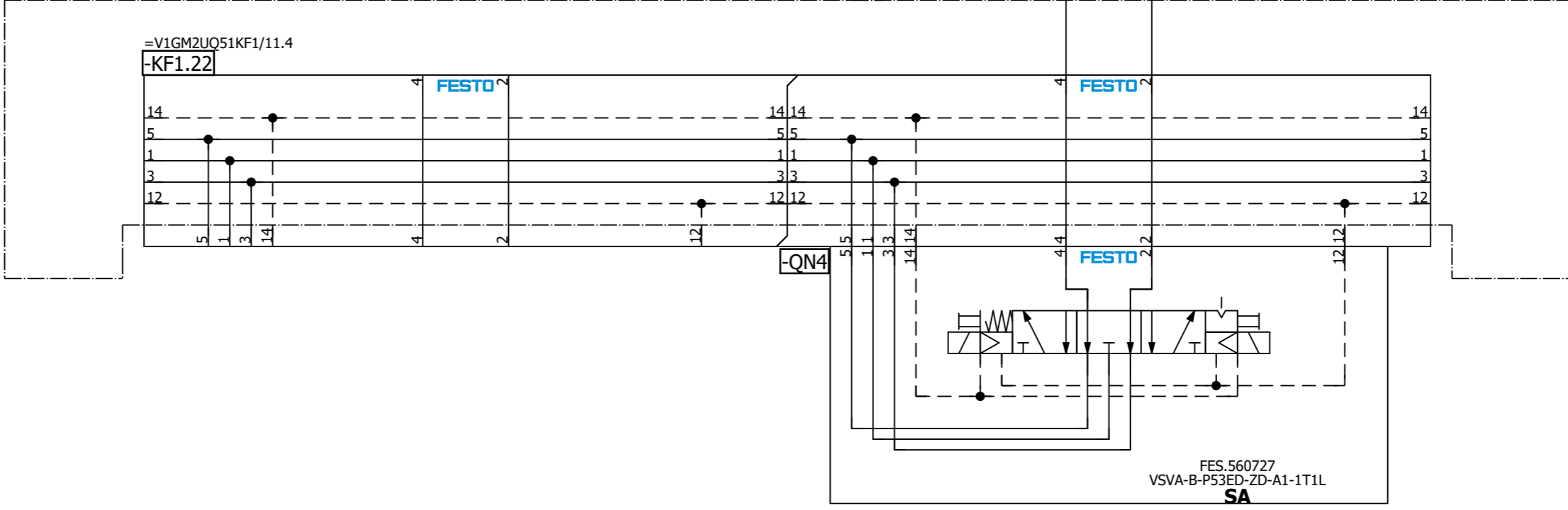
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2 (SET)

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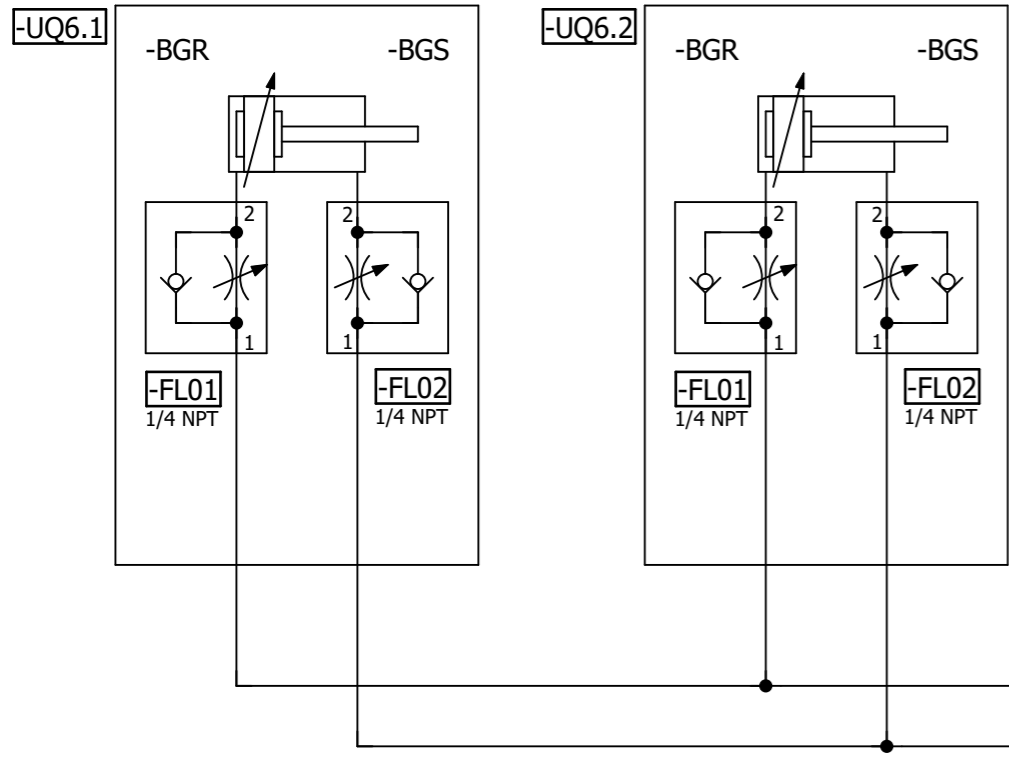
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Common Clamps  
3 (RST)

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Common Clamps  
3 (SET)

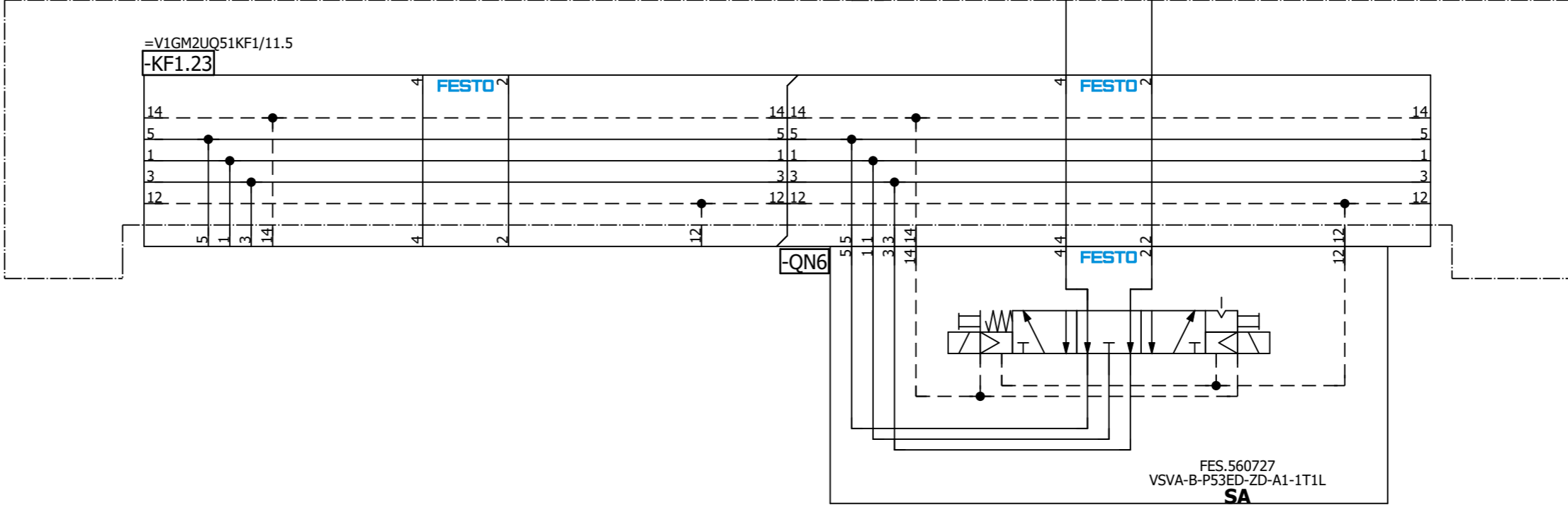
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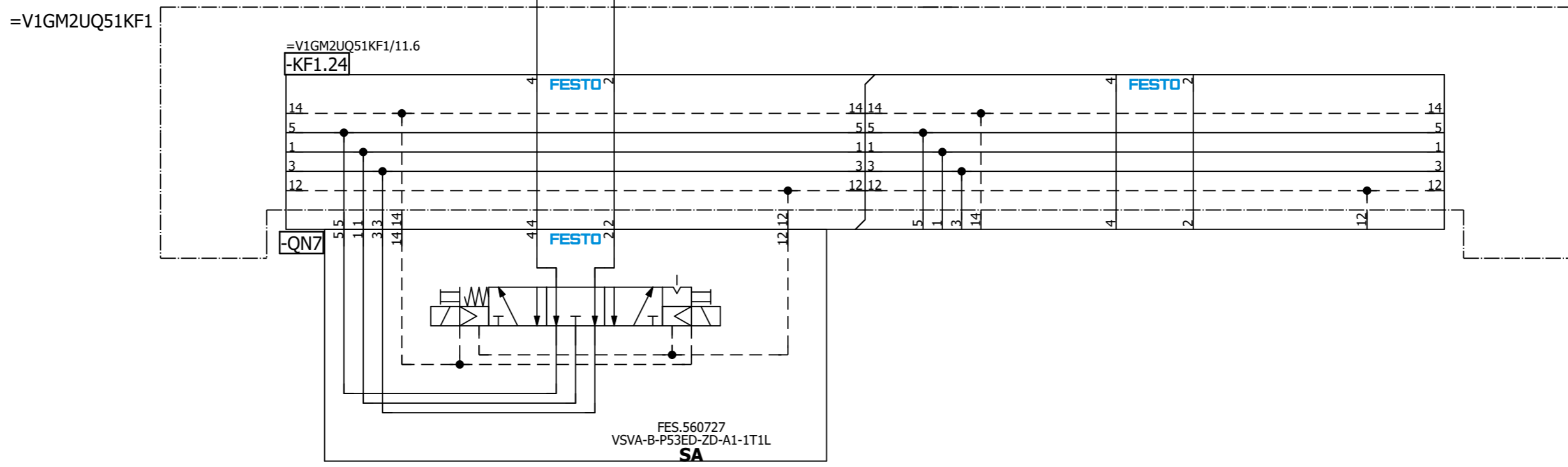
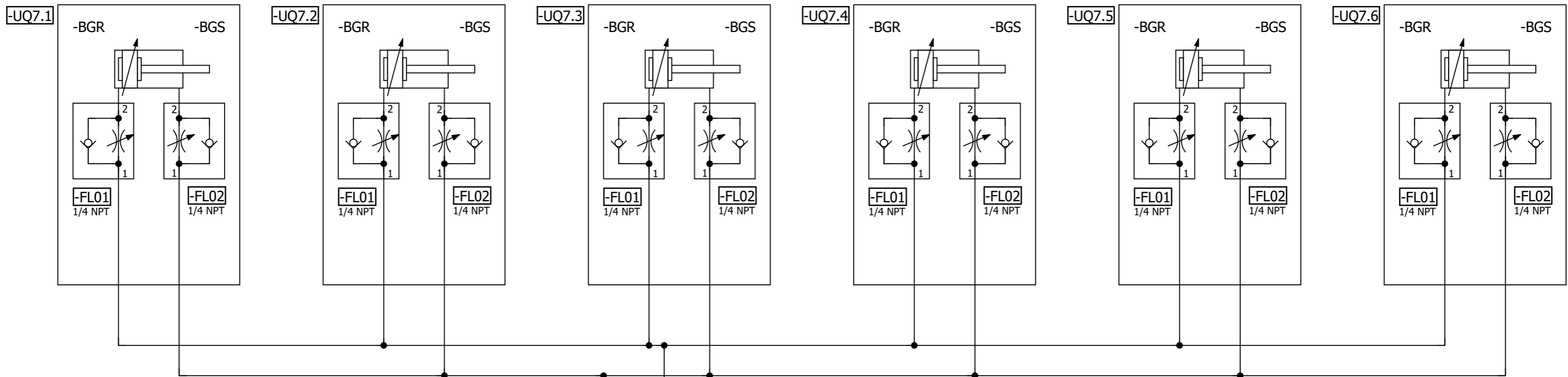


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Common Clamps 5  
(RST)

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Common Clamps 5  
(SET)

=V1GM2UQ51UQ5/1 =V1GM2UQ51UQ7/1

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			Appr		P6700 Underbody Structure - Robot Cell 2V02				Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		MFS	22-16151	1
											183



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-UQ7-QN7.1  
Daycab Clamps  
2 (RST)

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-UQ7-QN7.2  
Daycab Clamps  
2 (SET)

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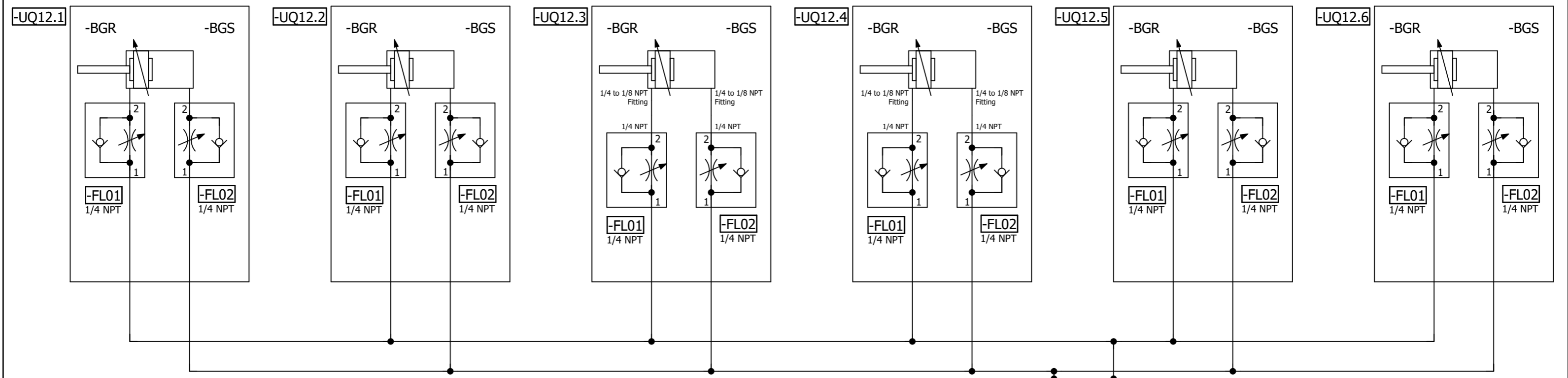




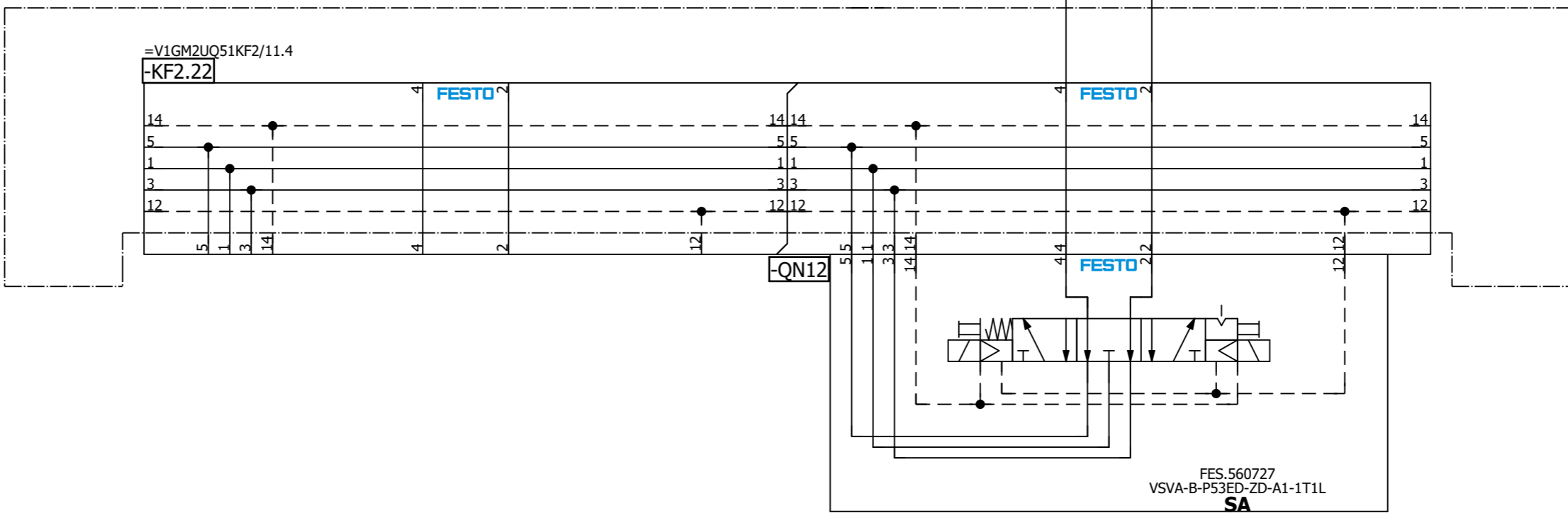








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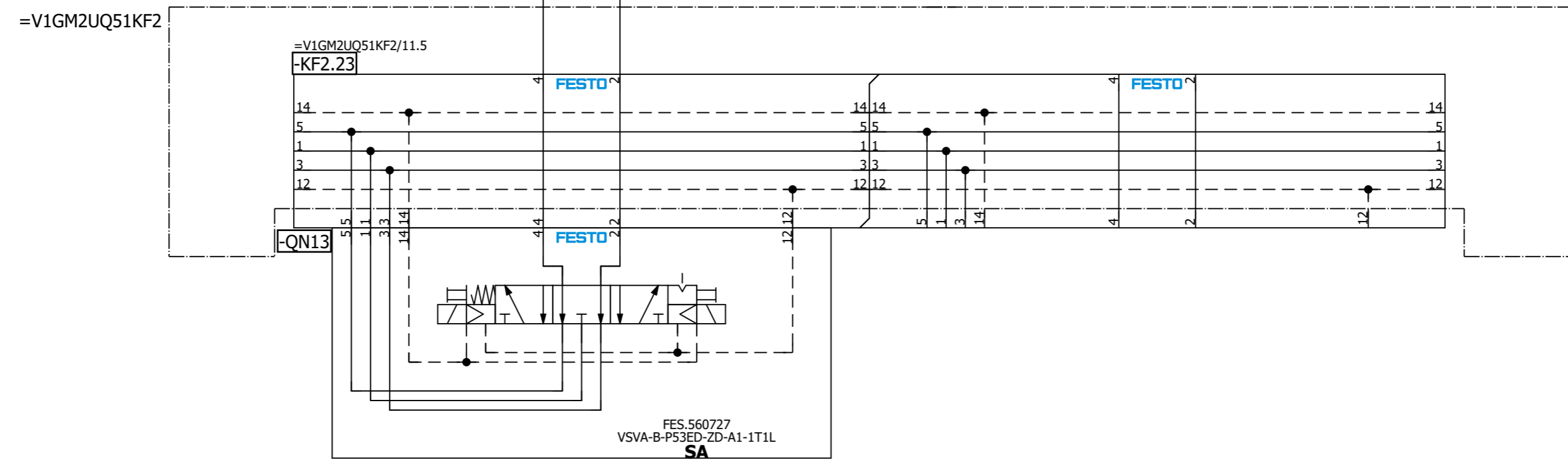
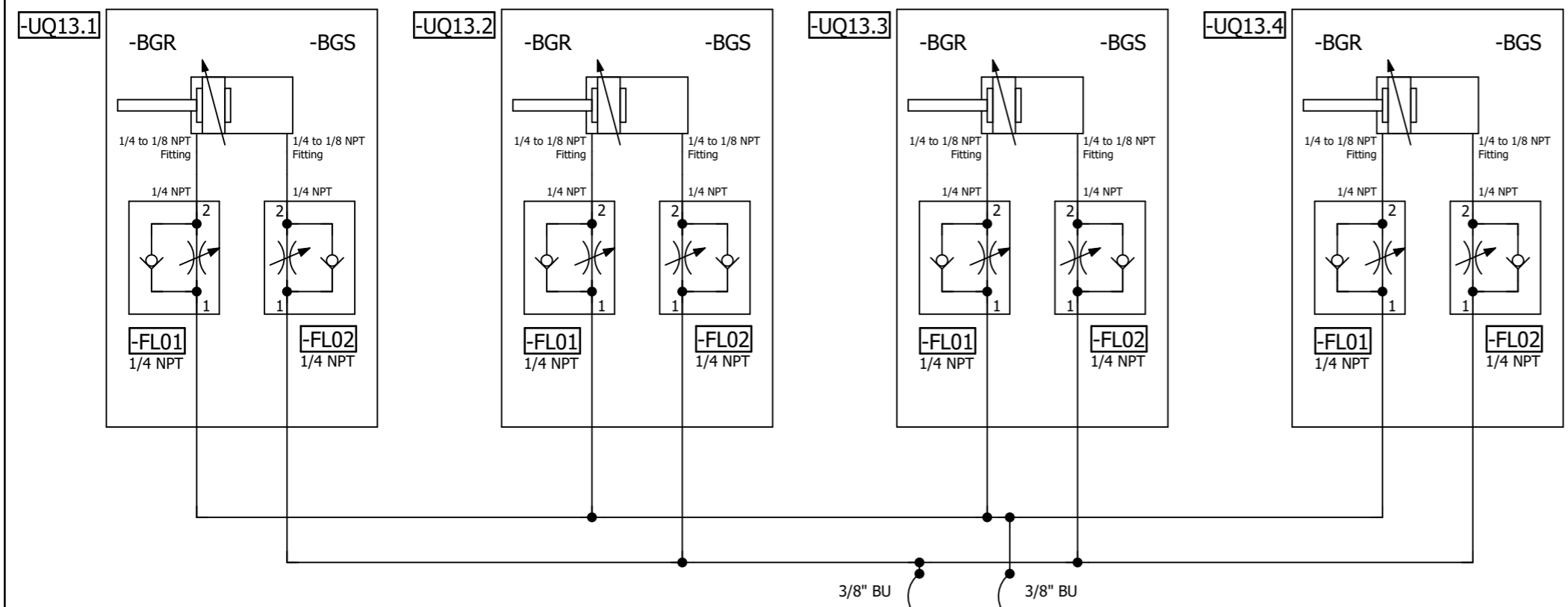
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Common Shot  
Pins 1 (RST)

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Common Shot  
Pins 1 (SET)

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Appr: Original		Replacement of		Replaced by				Project nr: 22-16151		Page 1	
Modification		Date		Name				MFS		183	



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Pins 2 (RST)

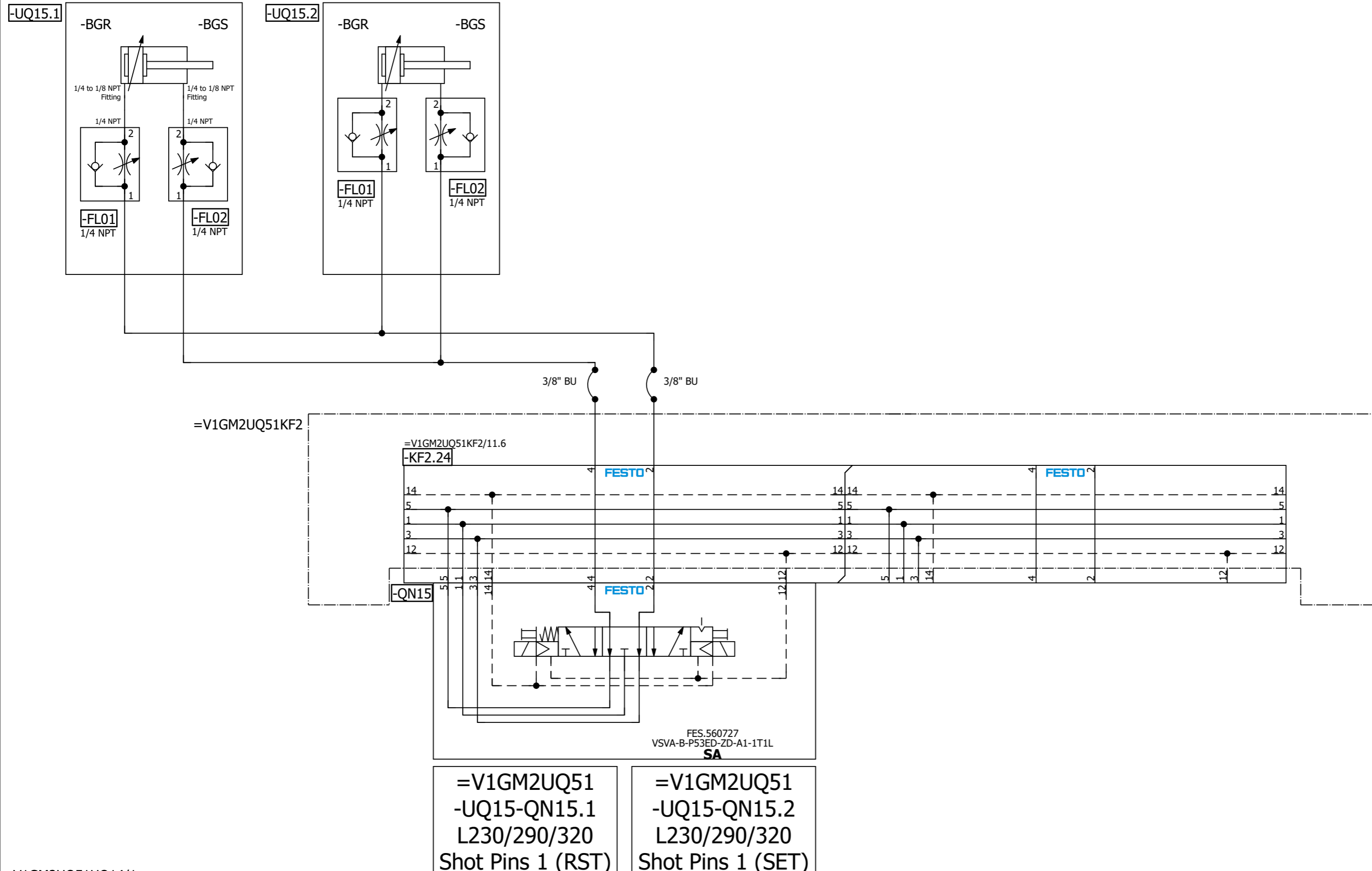
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Pins 2 (SET)

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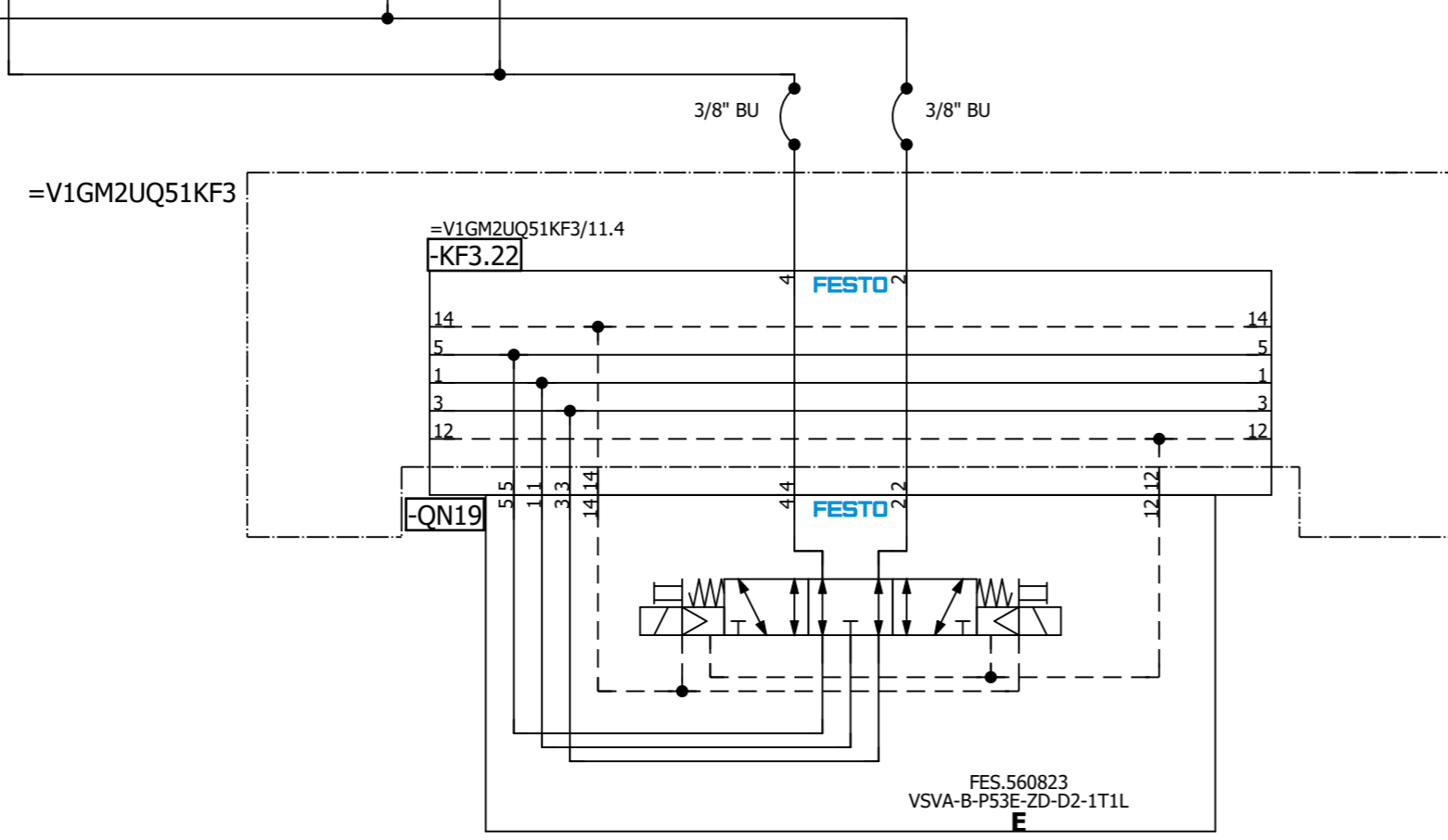
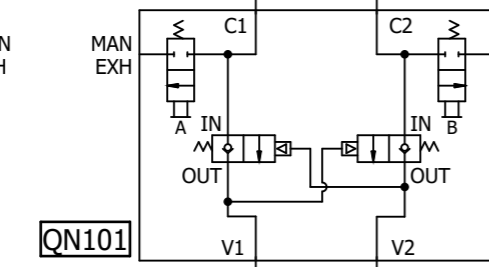
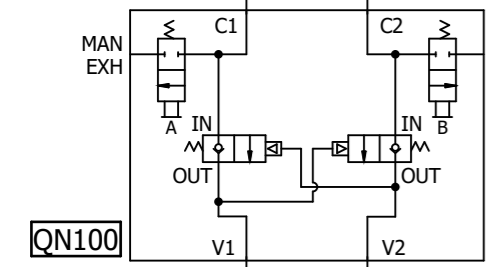
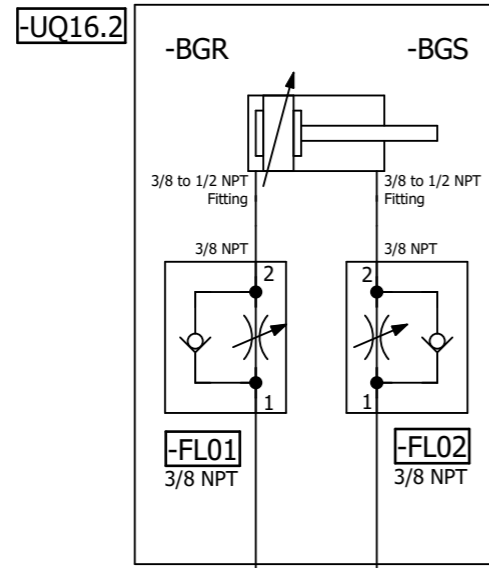
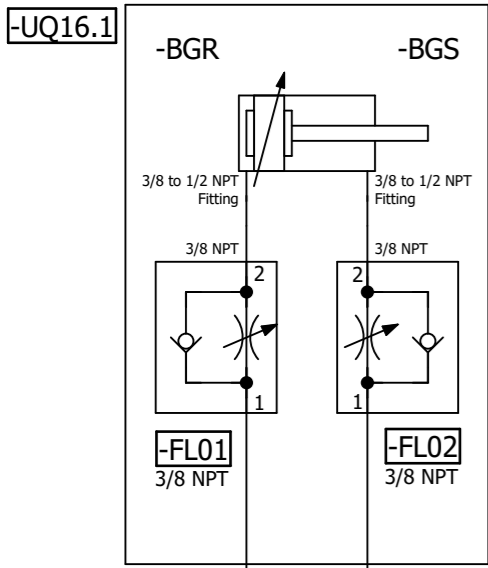




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Modification	Date	Name	Original	Replacement of	Replaced by				



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Common Slide  
Units (RST)

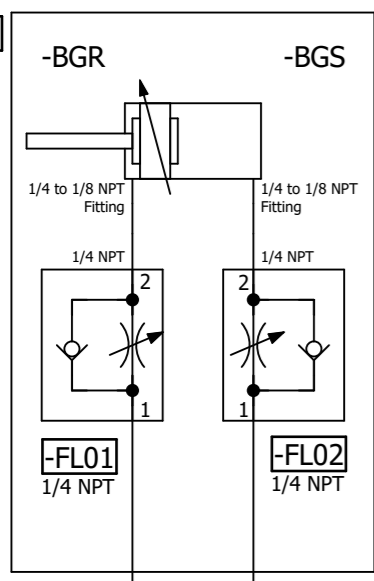
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Common Slide  
Units (SET)

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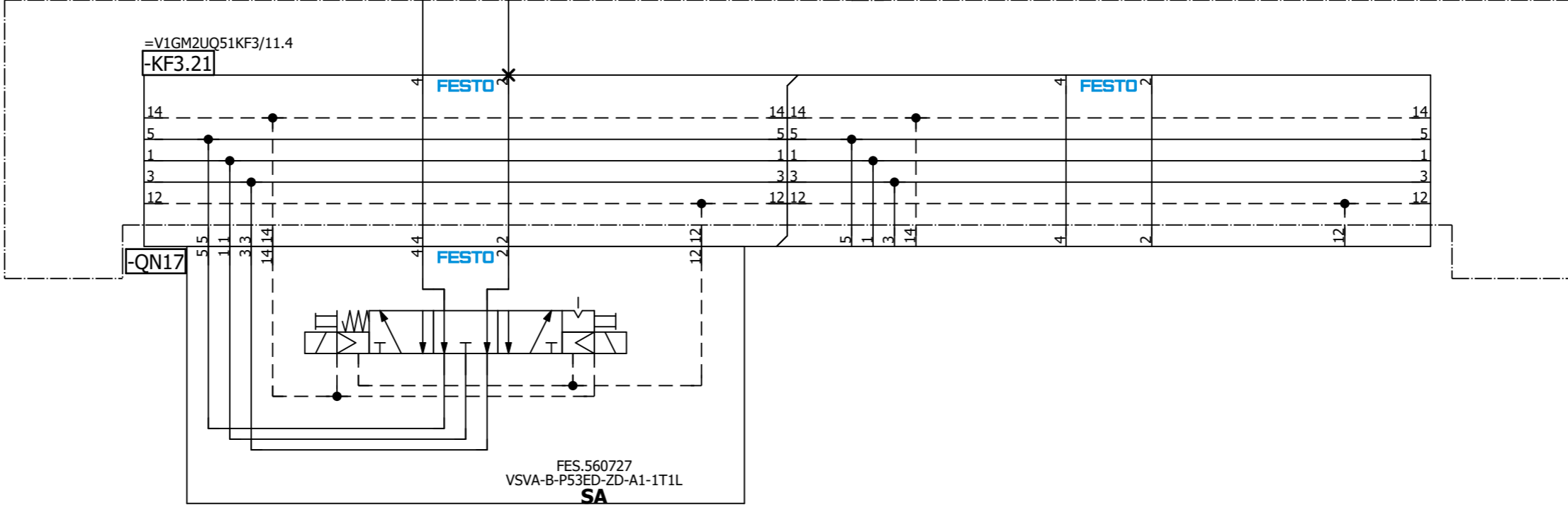
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Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1			183	

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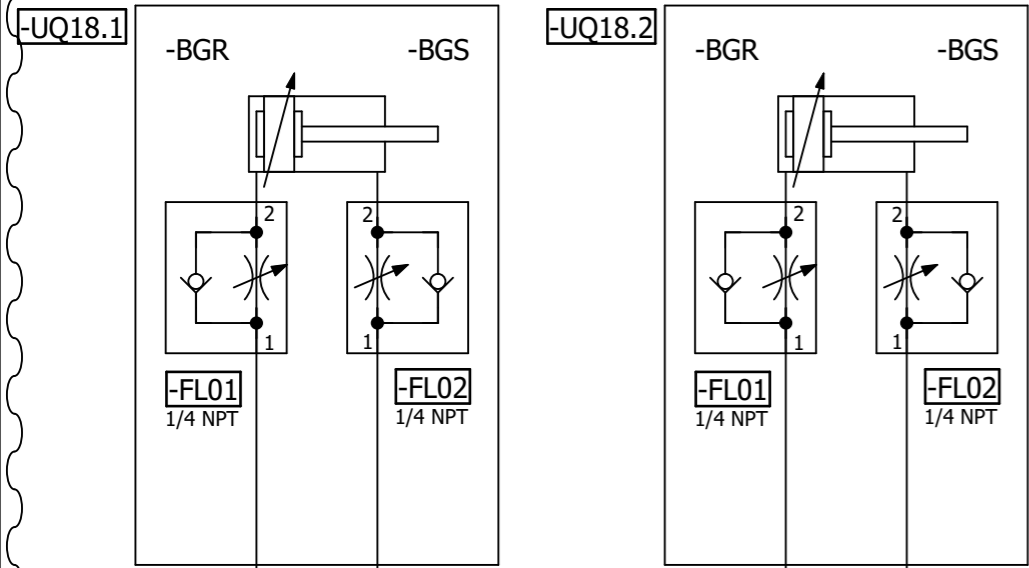
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Daycab/B-Dent  
Shot Pin (RST)

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Daycab/B-Dent  
Shot Pin (SET)

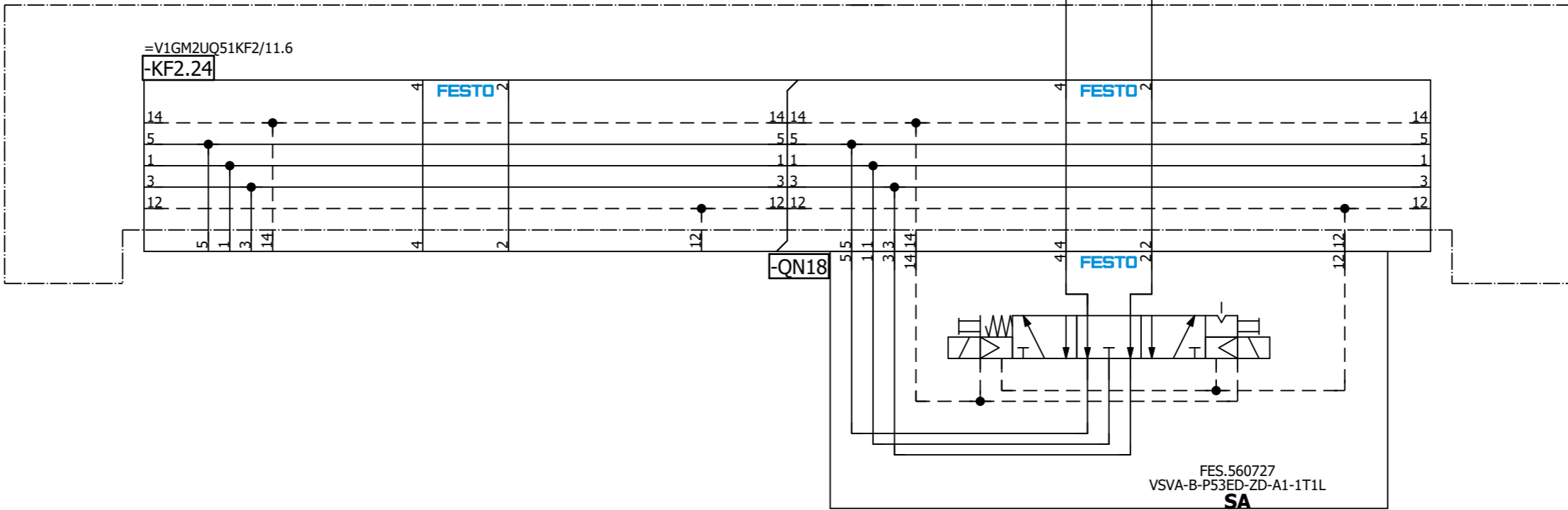
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Appr.: Original			Replacement of		Replaced by				Project nr: 22-16151		Page 1	
Modification			Date		Name				MFS		183	



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-UQ18-QN18.1  
L230/290/320  
Clamps 3 (RST)

=V1GM2UQ51  
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L230/290/320  
Clamps 3 (SET)

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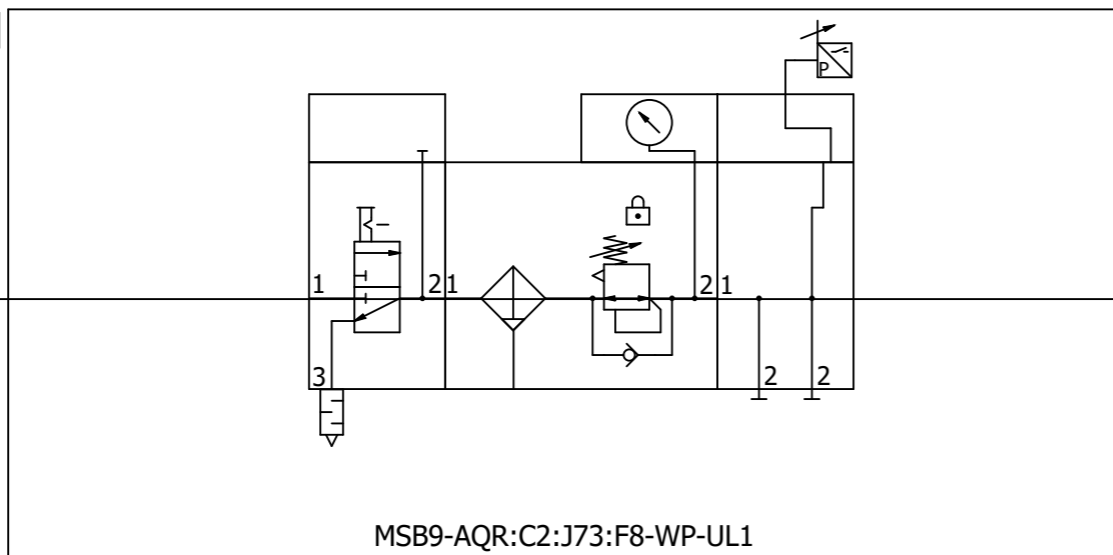
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Original										183	





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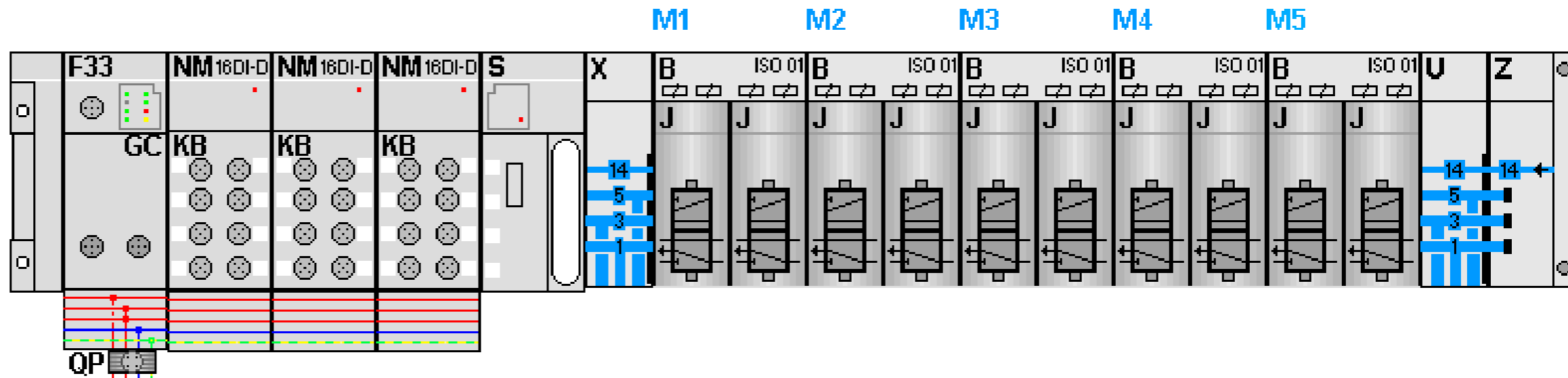
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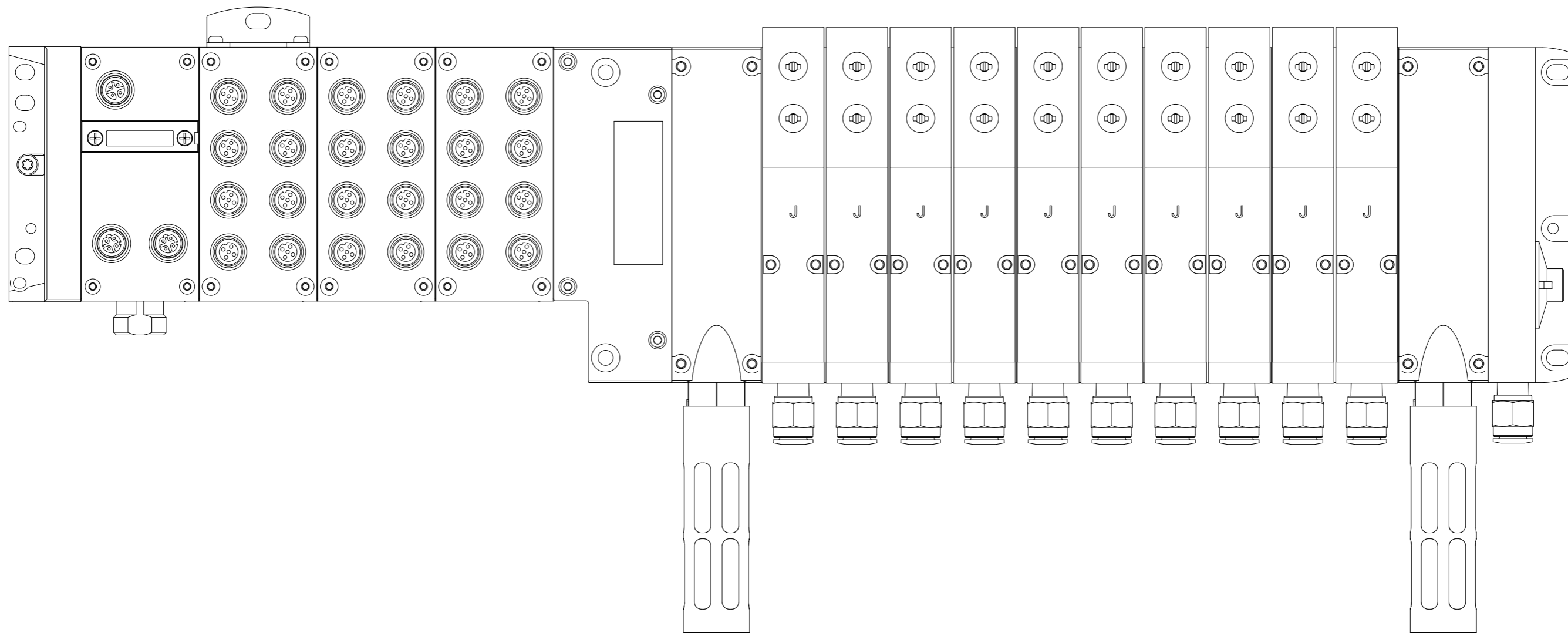
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		Appr.		Replacement of			Scale 1:1	Document type:		Project nr:	Page
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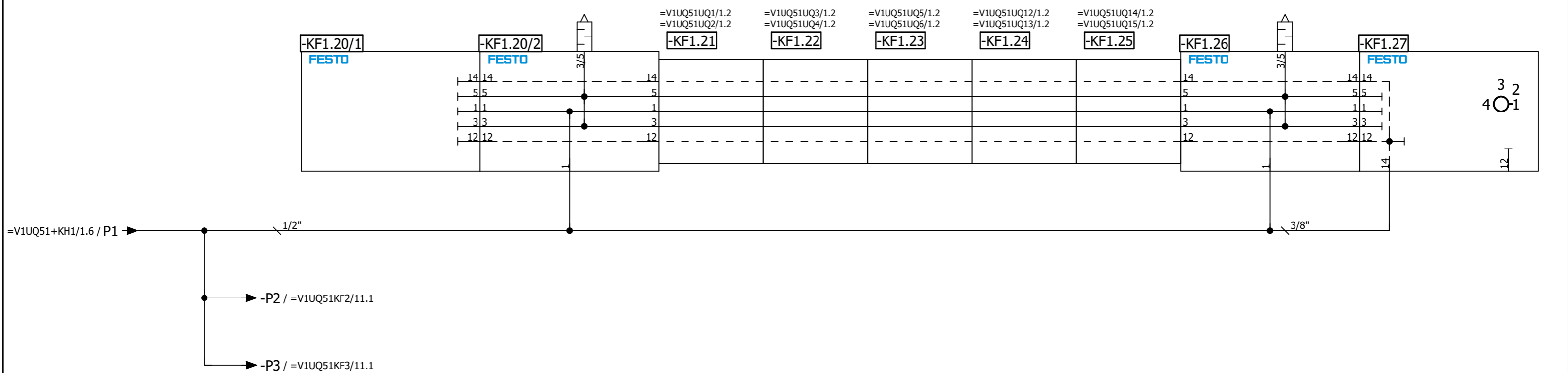
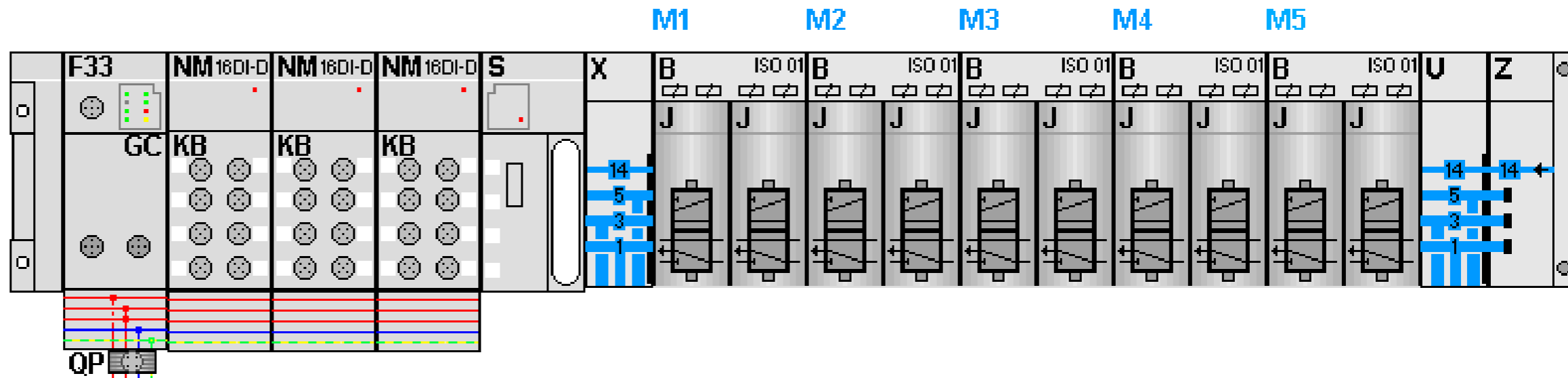
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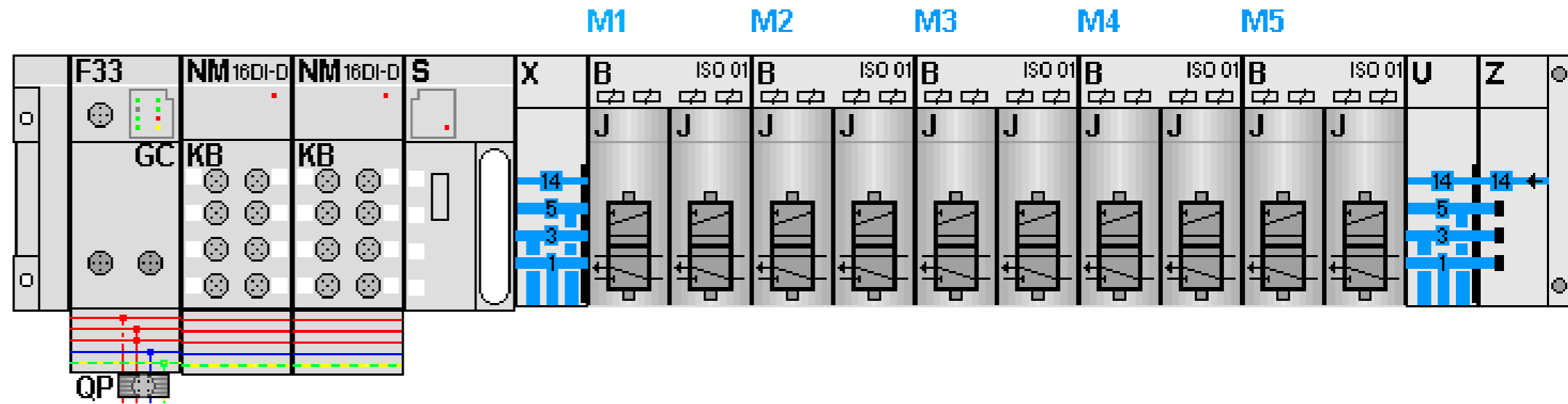
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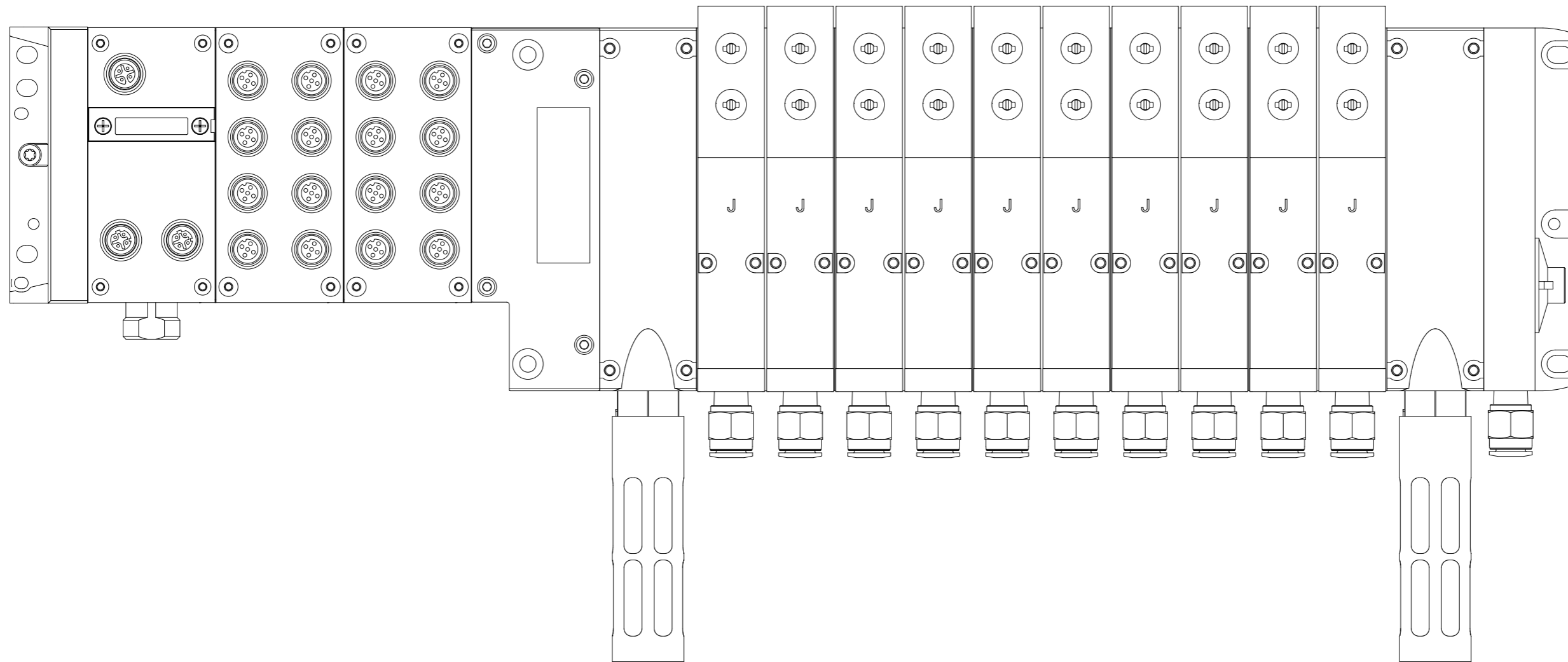
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												183	



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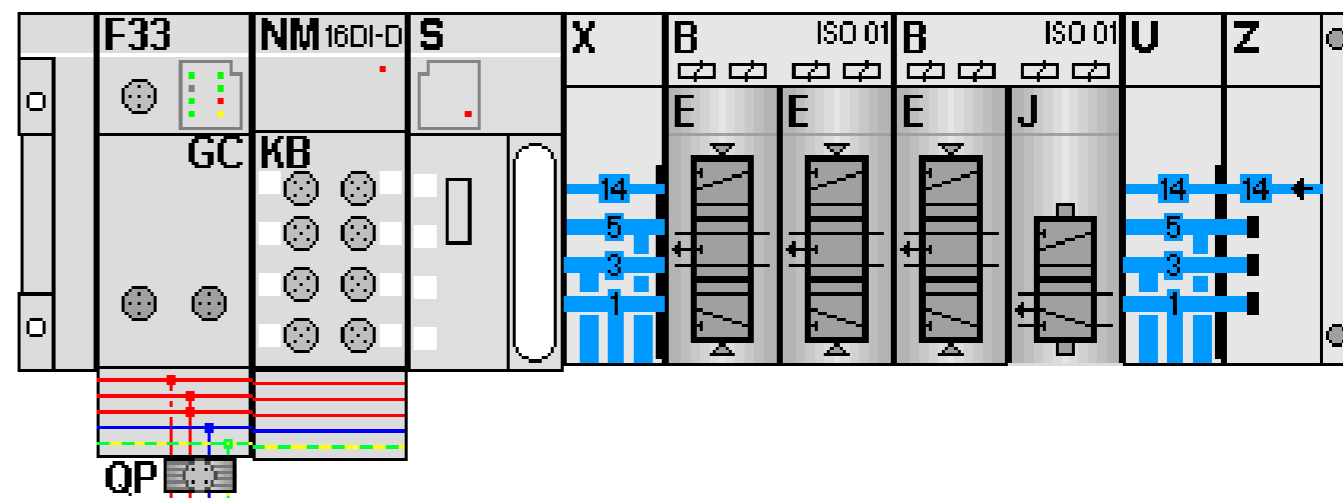
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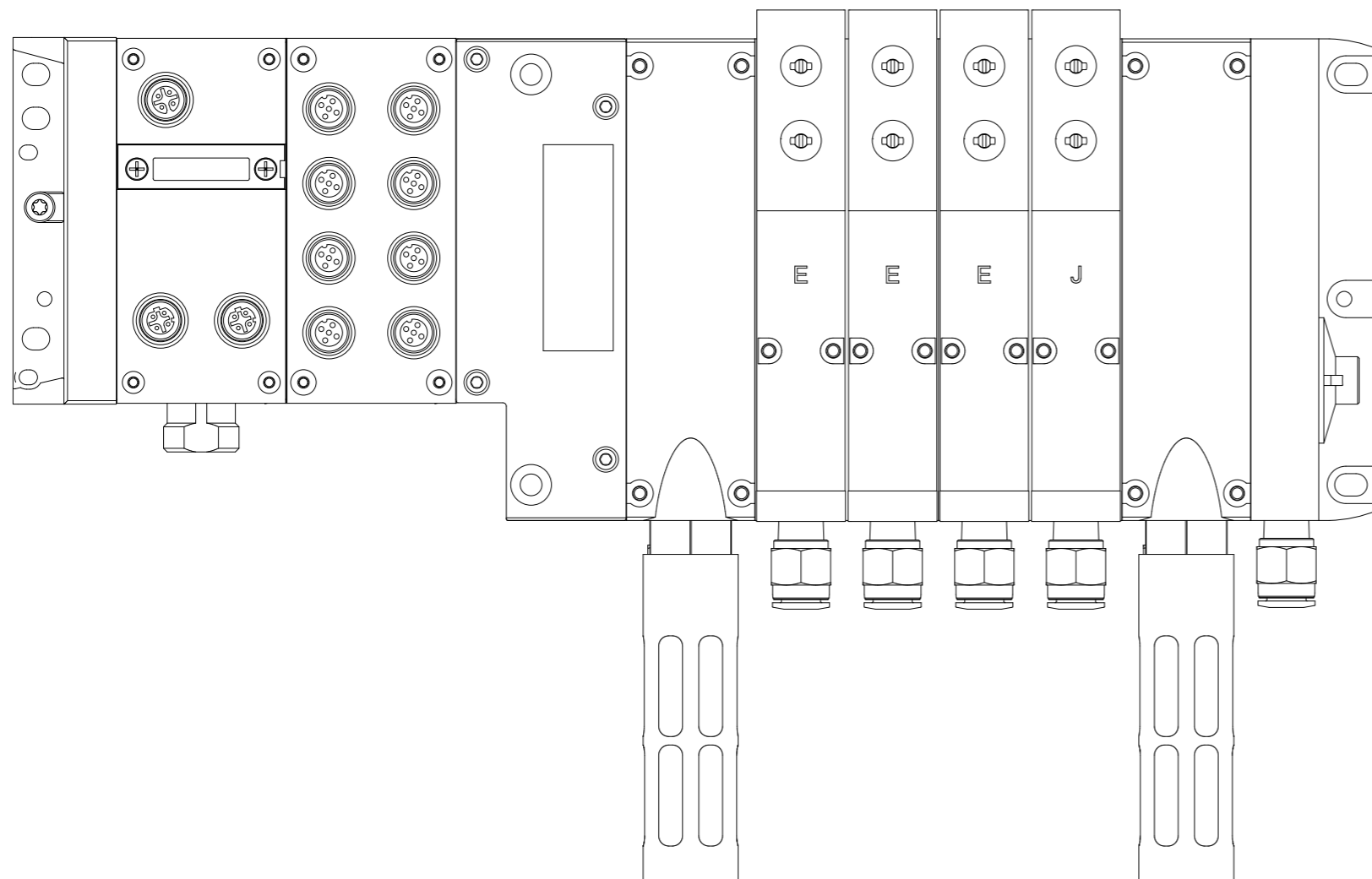
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Appr			Replacement of		Scale 1:1	Document type:	Project nr:		Page
Modification	Date	Name	Replaced by				MFS	22-16151	
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M1 M2



KF3.0



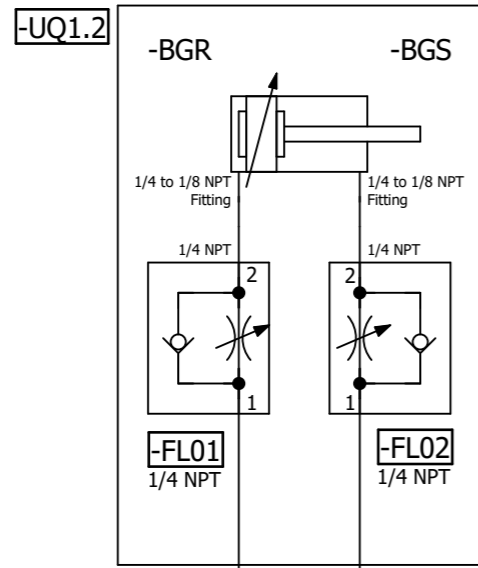
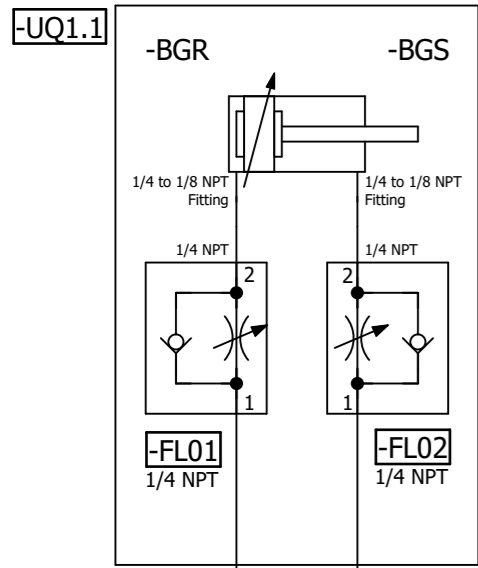
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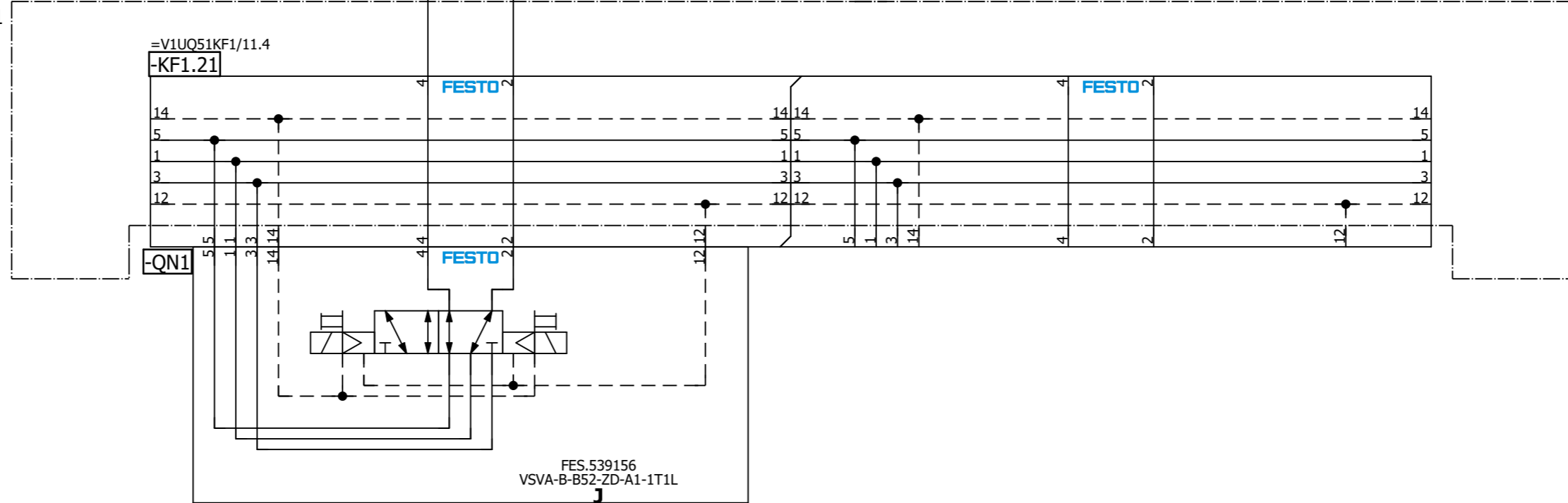
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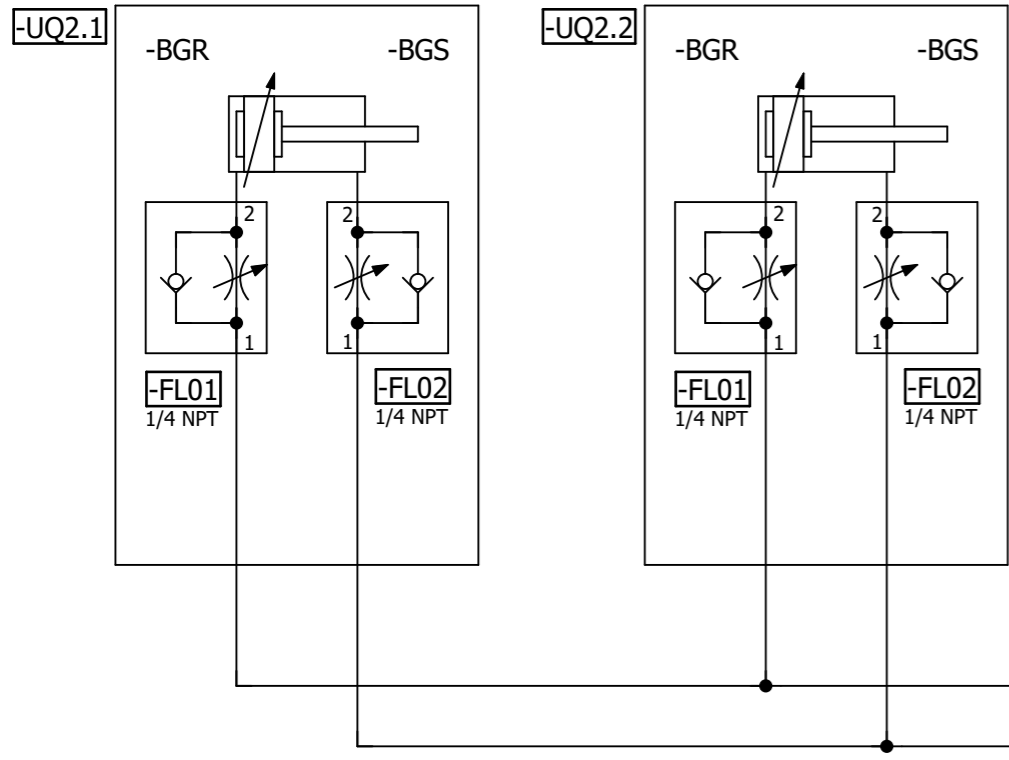


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**Common Shotpins**  
**(RST)**

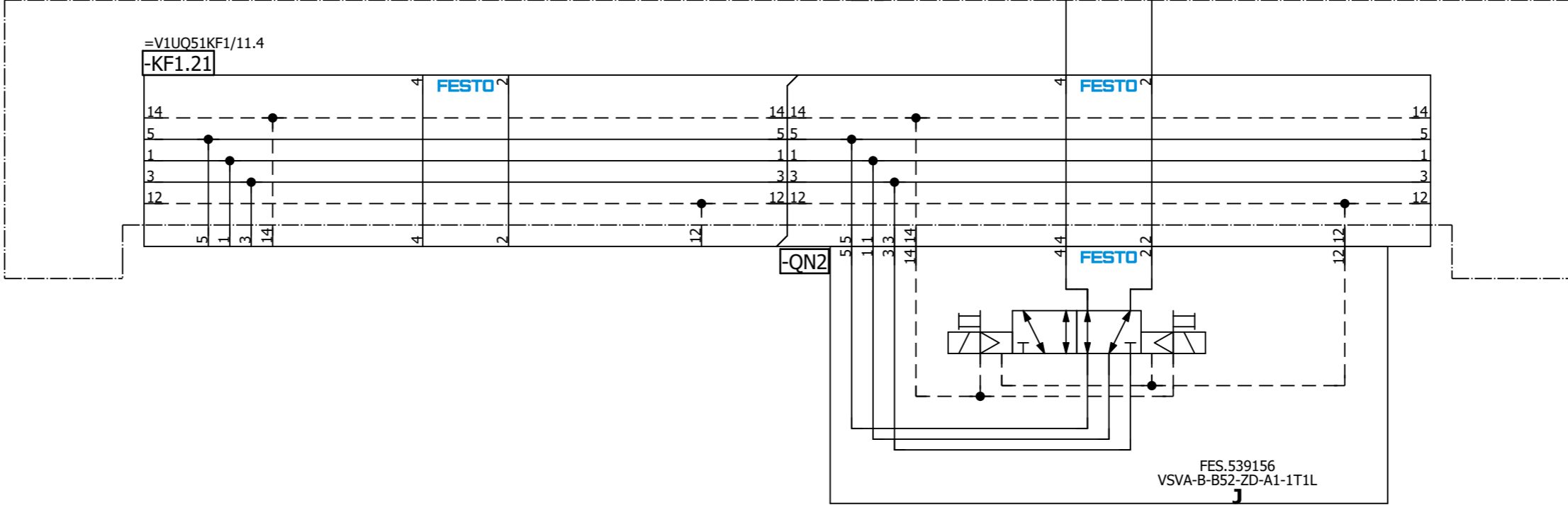
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**Common Shotpins**  
**(SET)**

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			Ed.	MKLEPADLO		Scale 1:1		= 2V02&MFS-PNEU	= V1UQ51		
Modification	Date	Name	Appr					Replacement of	Replaced by	Document type:	MFS



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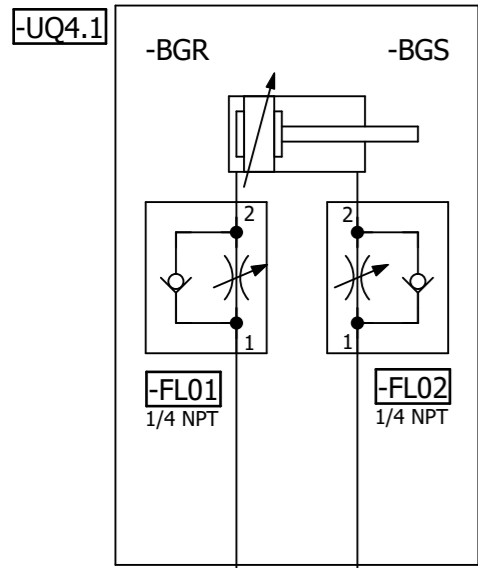
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(RST)

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(SET)

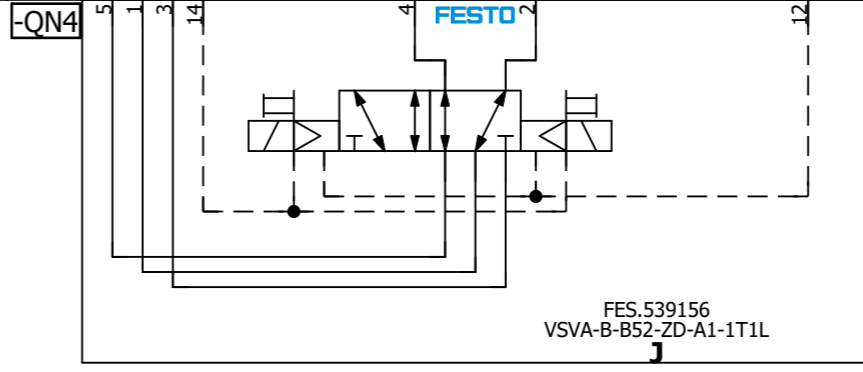
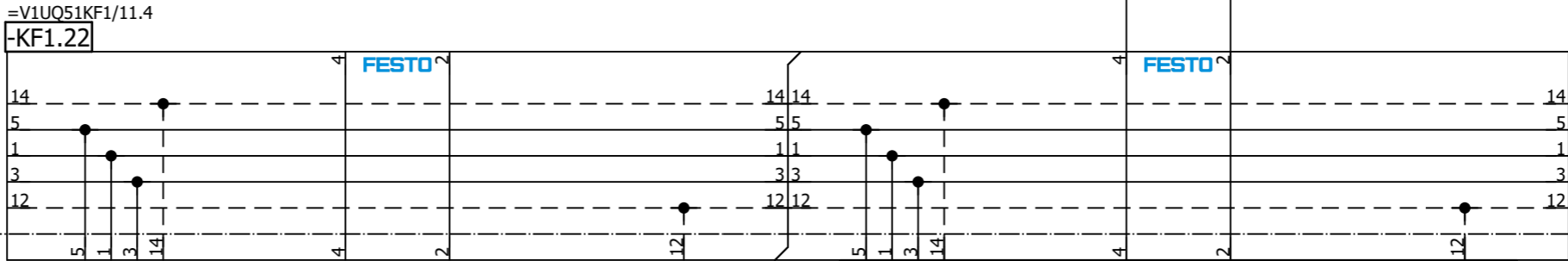
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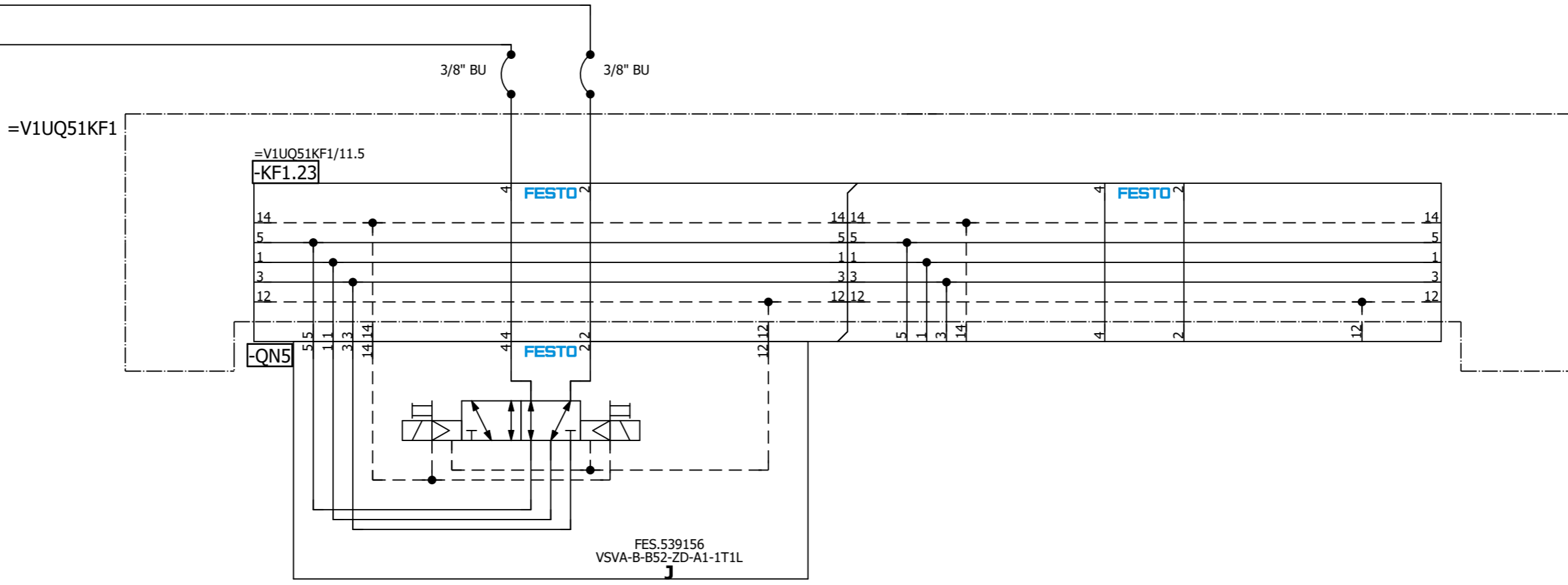
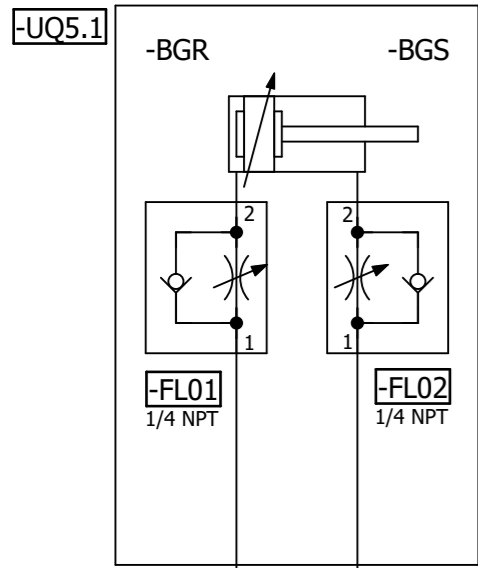
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L230/290/320 Part  
Positioner 1 (RST)

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L230/290/320 Part  
Positioner 1 (SET)

=V1UQ51UQ3/1

=V1UQ51UQ5/1

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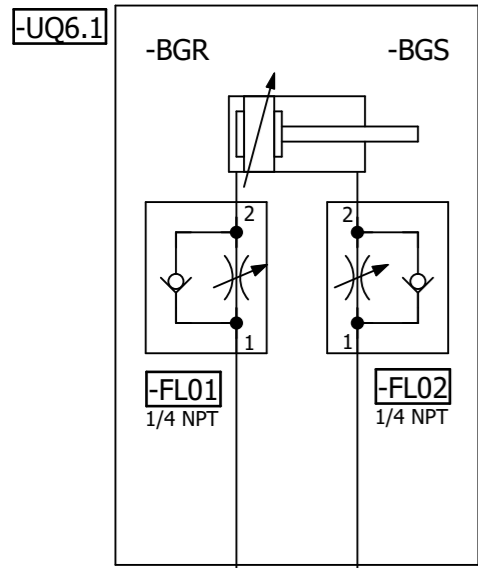
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L230 Part  
Positioner 1 (SET)

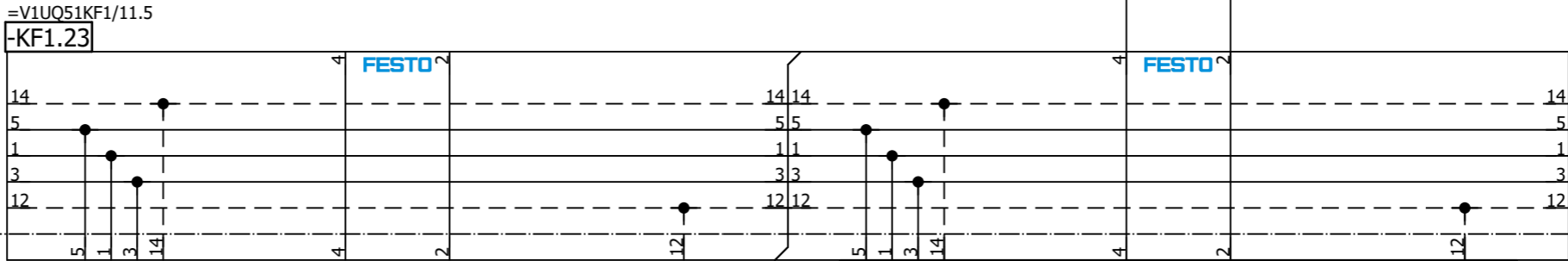
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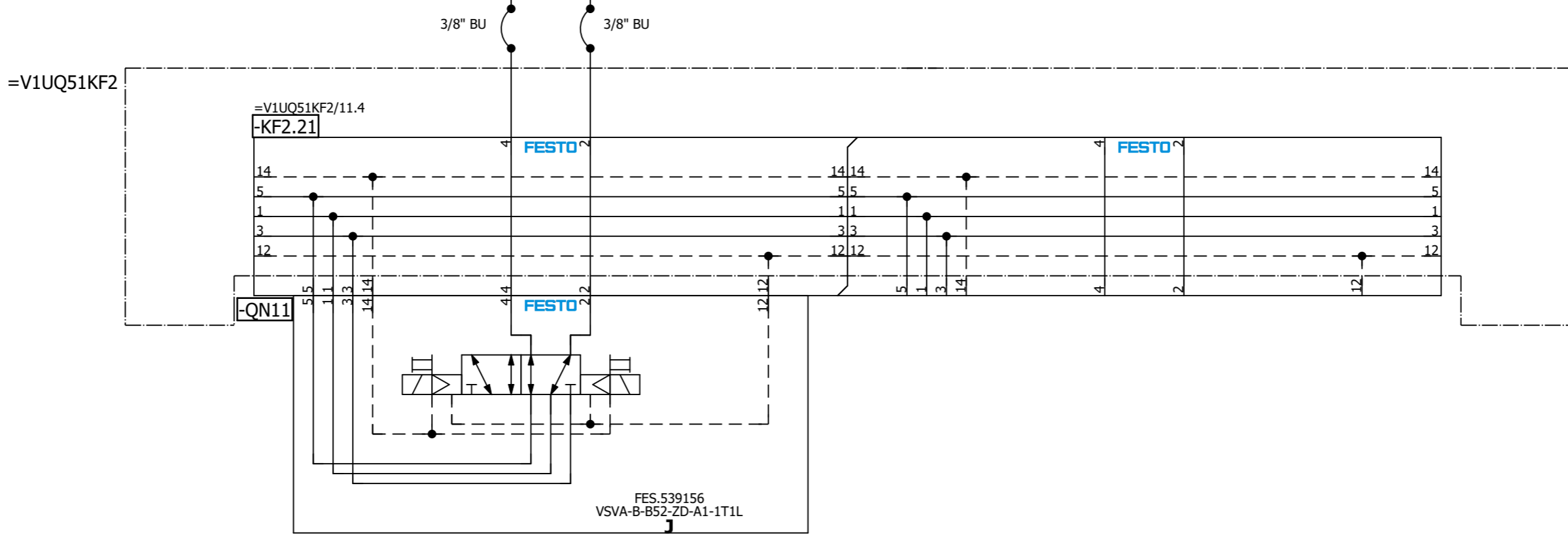
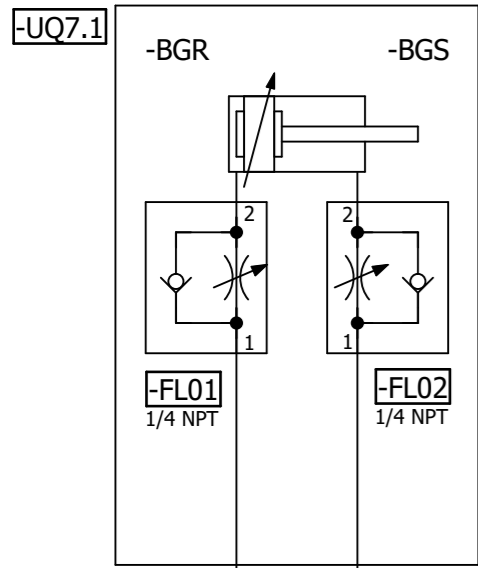
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-UQ6-QN6.1  
L230/290/320  
Clamp 1 (RST)

=V1UQ51  
-UQ6-QN6.2  
L230/290/320  
Clamp 1 (SET)

=V1UQ51UQ5/1

=V1UQ51UQ7/1

Date		1/11/2023	Volvo Trucks North America		Valiant TMS	L230/290/320 Clamp 1	Drawing name:		= V1UQ51UQ6
Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02				=2V02&MFS-PNEU		+ V1UQ51
Appr			Replacement of		Scale 1:1		Document type:		Project nr:
Original			Replaced by				MFS		22-16151
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=V1UQ51  
-UQ7-QN11.1  
L230/290/320 Part  
Positioner 2 (RST)

=V1UQ51  
-UQ7-QN11.2  
L230/290/320 Part  
Positioner 2 (SET)

=V1UQ51UQ6/1

=V1UQ51UQ8/1

Date		1/11/2023		Volvo Trucks North America		Valiant TMS		L230/290/320 Part Positioner 2		Drawing name:		= V1UQ51UQ7		= V1UQ51UQ8/1	
Ed.		MKLEPADLO		P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				Document type:		= 2V02&MFS-PNEU		+ V1UQ51	
Appr				Replacement of		Replaced by				Project nr:		22-16151		Page 1	
Modification		Date		Name		Original				MFS				183	



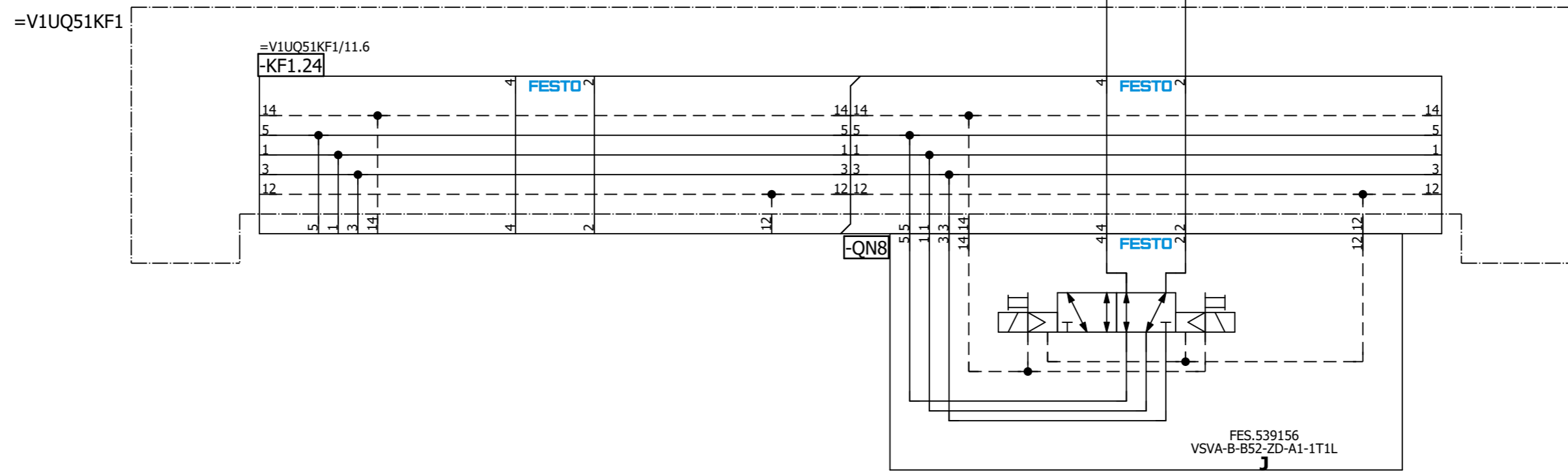
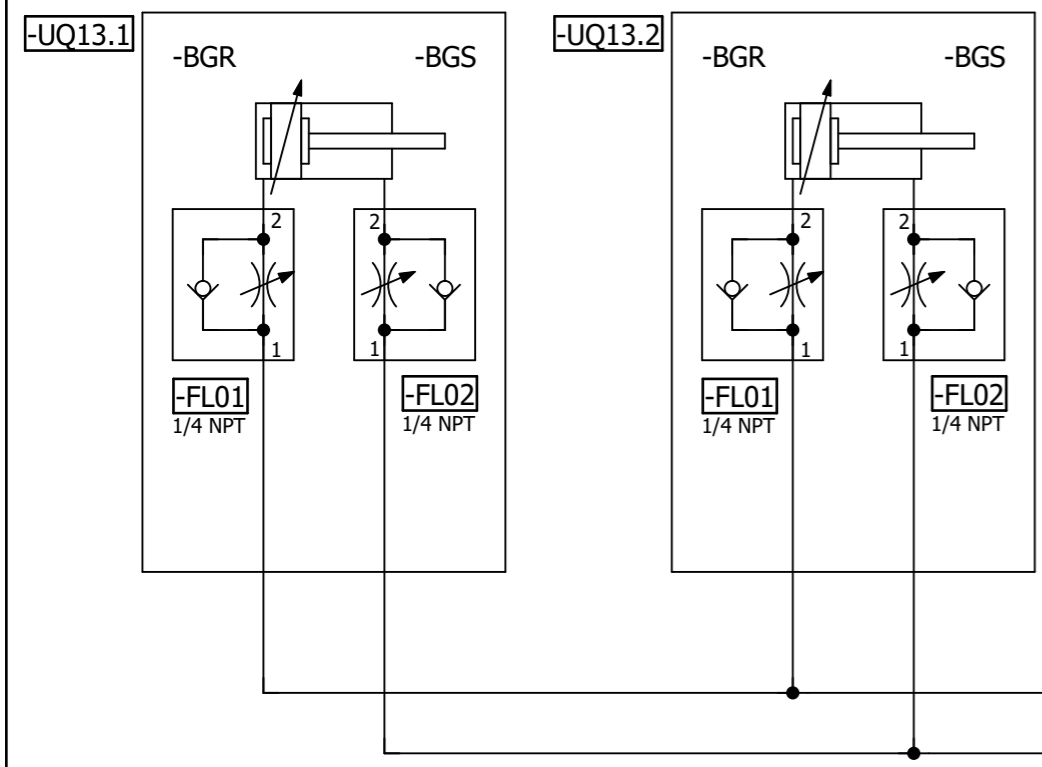












=V1UQ51  
-UQ13-QN8.1  
L230/290/320  
Clamps 3 (RST)

=V1UQ51  
-UQ13-QN8.2  
L230/290/320  
Clamps 3 (SET)



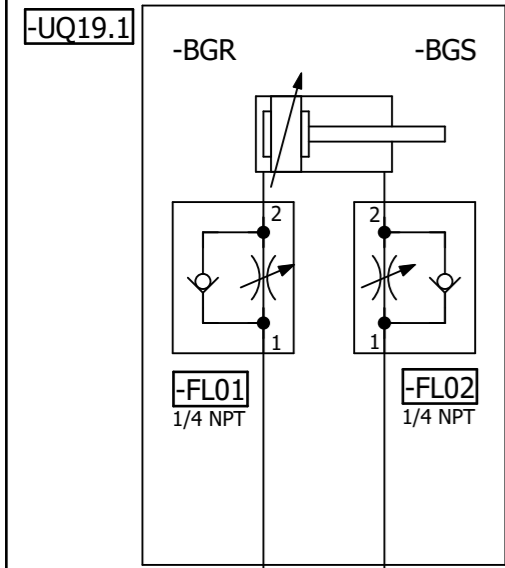




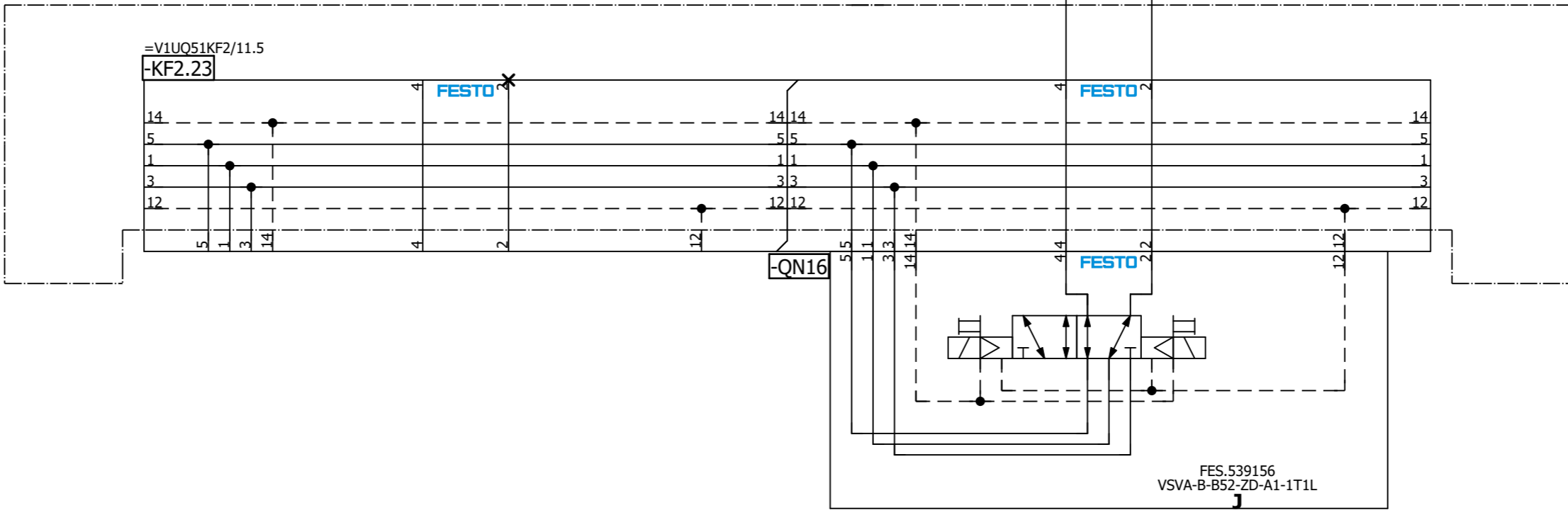








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L290/320 Clamp 1  
(RST)

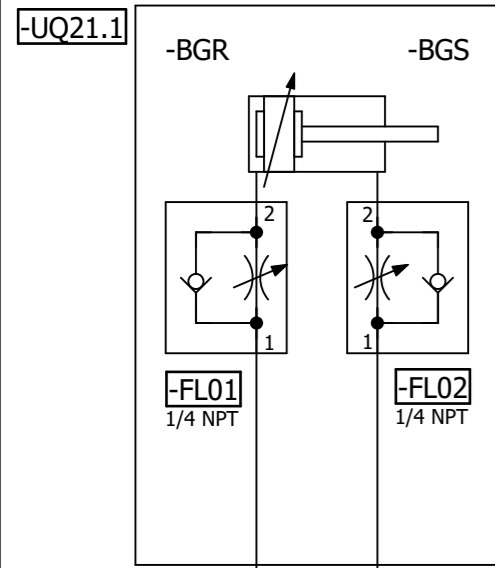
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L290/320 Clamp 1  
(SET)

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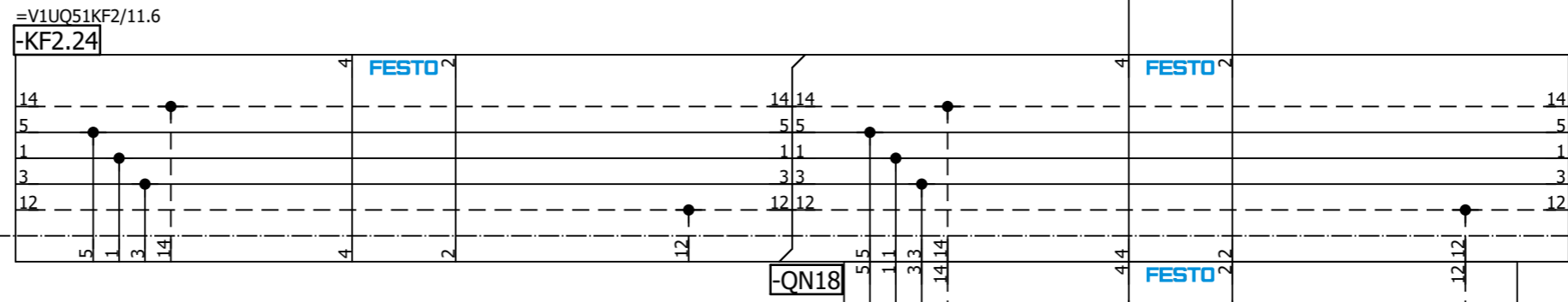
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			Appr		P6700 Underbody Structure - Robot Cell 2V02				Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		MFS	22-16151	1
											183





=V1UQ51KF2



-QN18

3/8" BU

3/8" BU

=V1UQ51  
-UQ21-QN18.1  
L290/320 Clamp 2  
(RST)

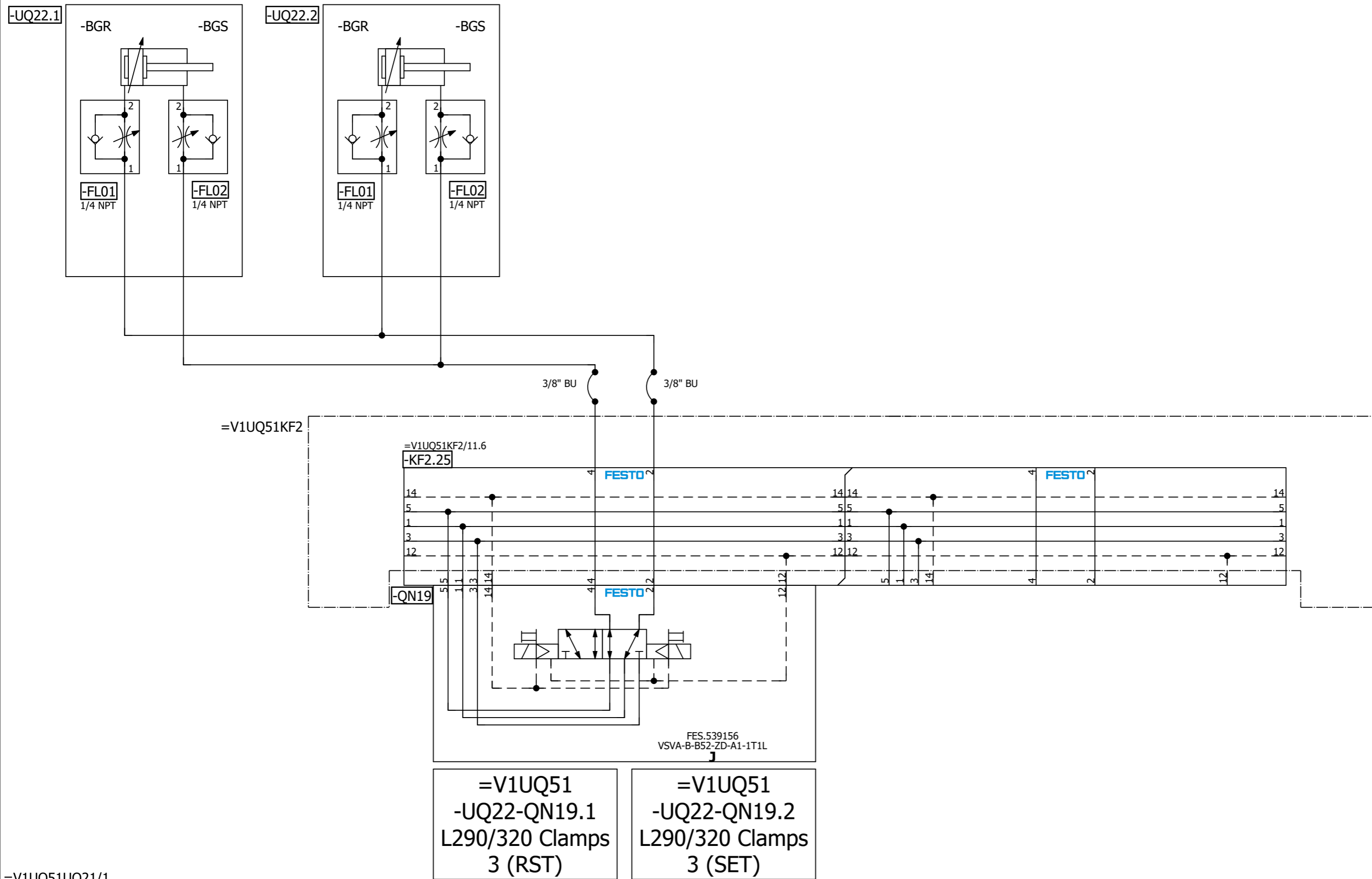
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(SET)

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			Appr		P6700 Underbody Structure - Robot Cell 2V02				Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		MFS	22-16151	1
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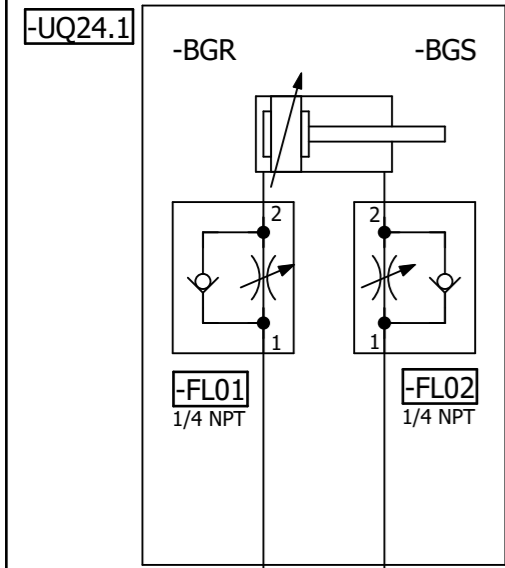


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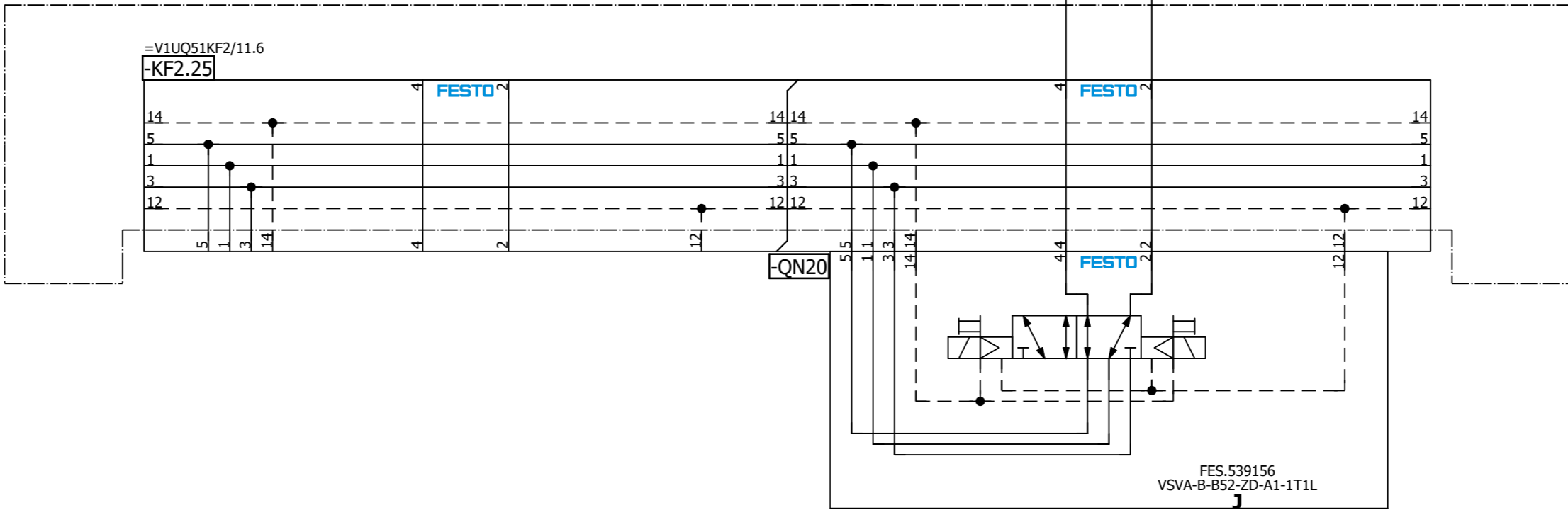
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Appr.				Replacement of		Replaced by				Project nr:		22-16151	
Modification		Date		Name		Original				Page		1	
										MFS		183	





=V1UQ51KF2



=V1UQ51  
-UQ24-QN20.1  
L230 Clamp 2  
(RST)

=V1UQ51  
-UQ24-QN20.2  
L230 Clamp 2  
(SET)

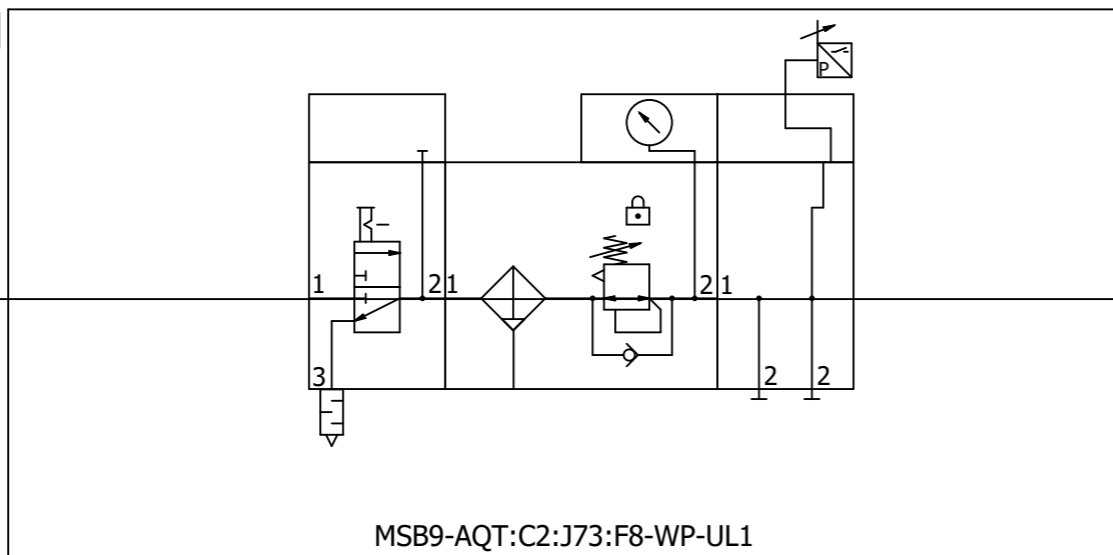
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Modification			Appr		P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1	Document type:		MFS	Project nr:	22-16151	Page	1
			Date				Original		Replaced by				



A2

=KH0+KH0/1.8 / +V1WR1KH1-P1



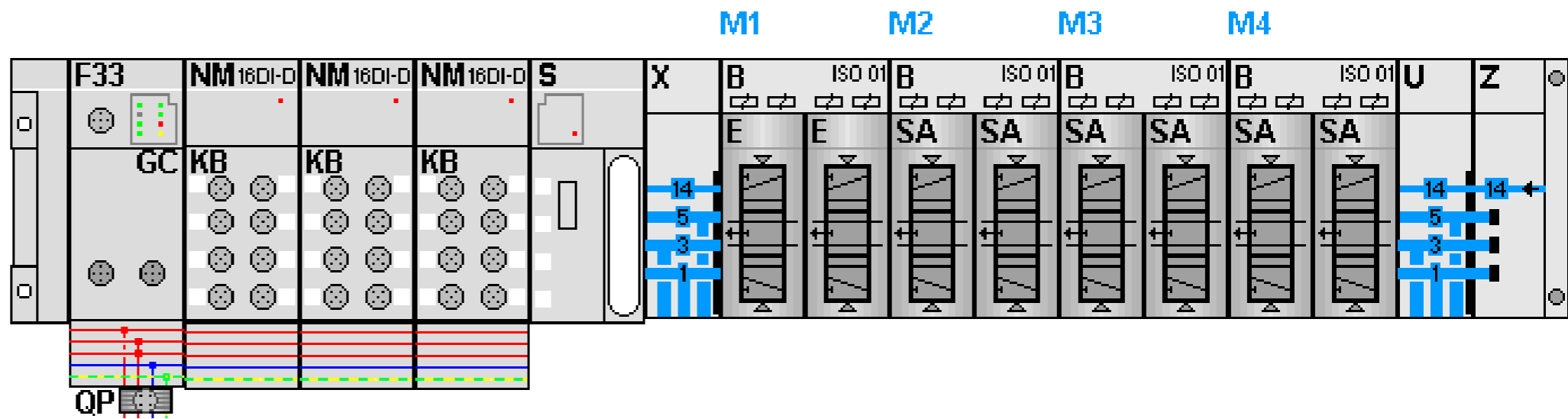
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+V1WR1UQ51-P1 / =V1WR1UQ51KF1+V1WR1UQ51/11.0

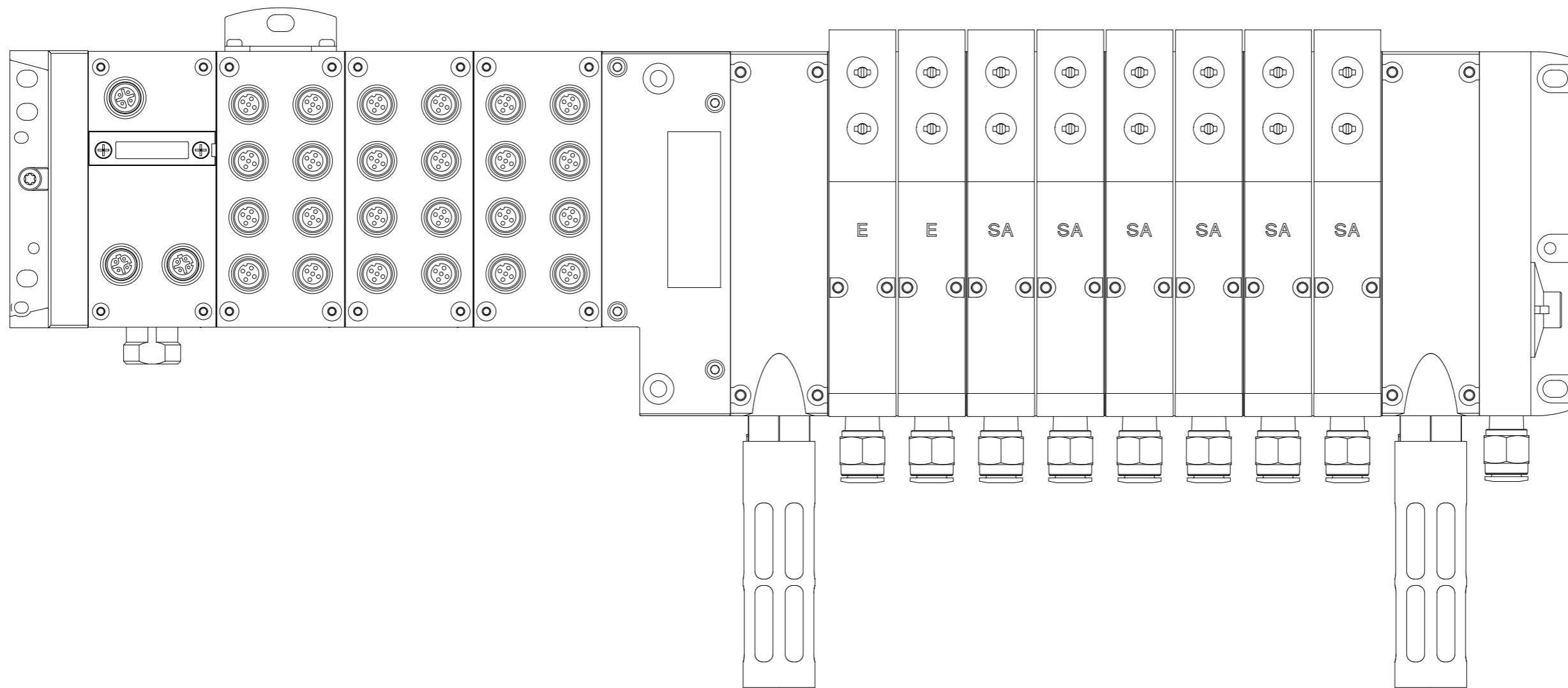
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			Ed.	MKLEPADLO				=2V02&MFS-PNEU		+ KH1
			Appr		P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1		Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of			Replaced by	MFS	22-16151
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KF1.0



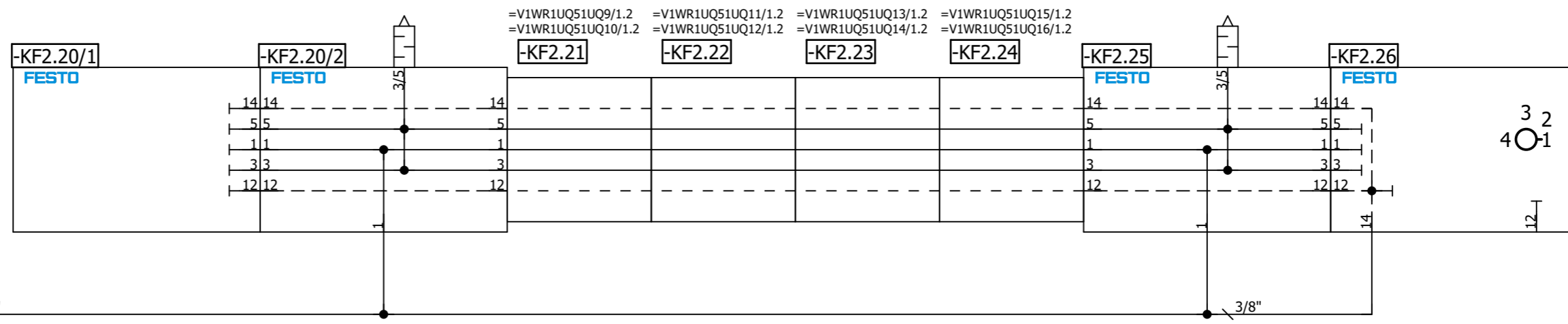
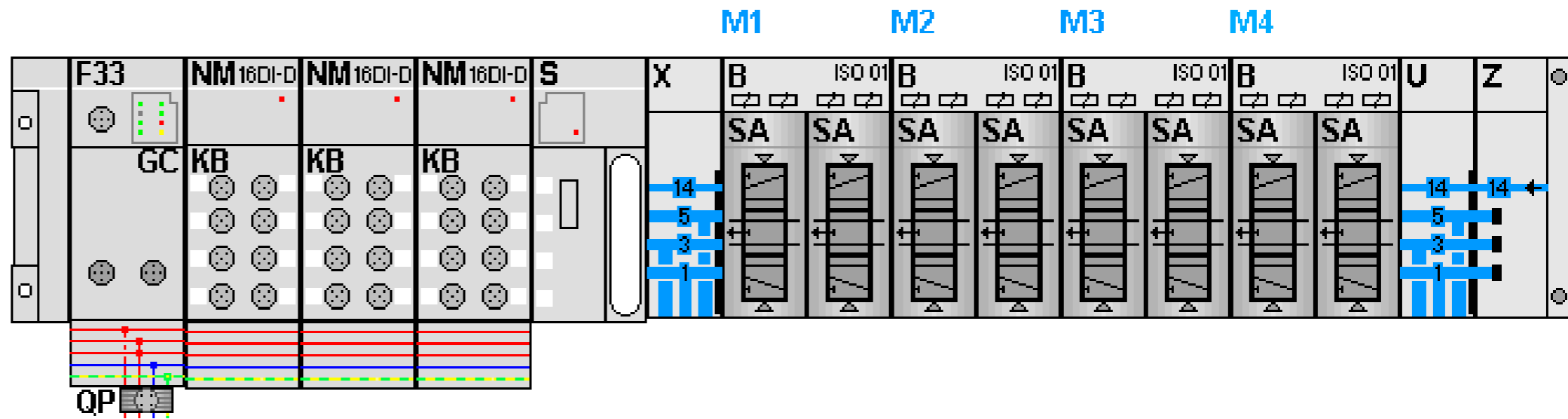
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Modification	Date	Name	Original				Replacement of	Replaced by	Document type:	MFS	Project nr:	22-16151
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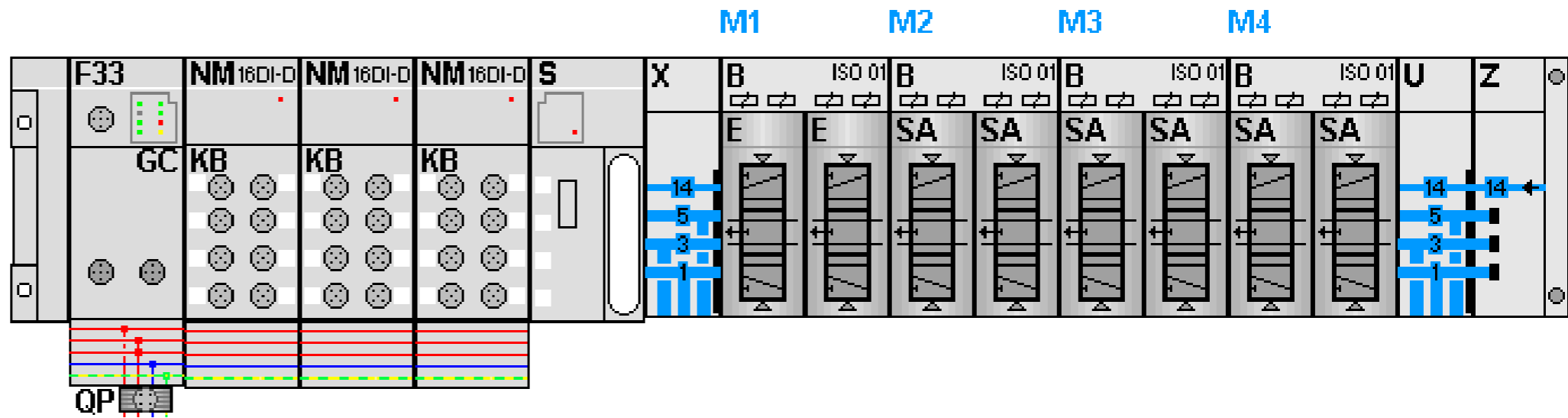


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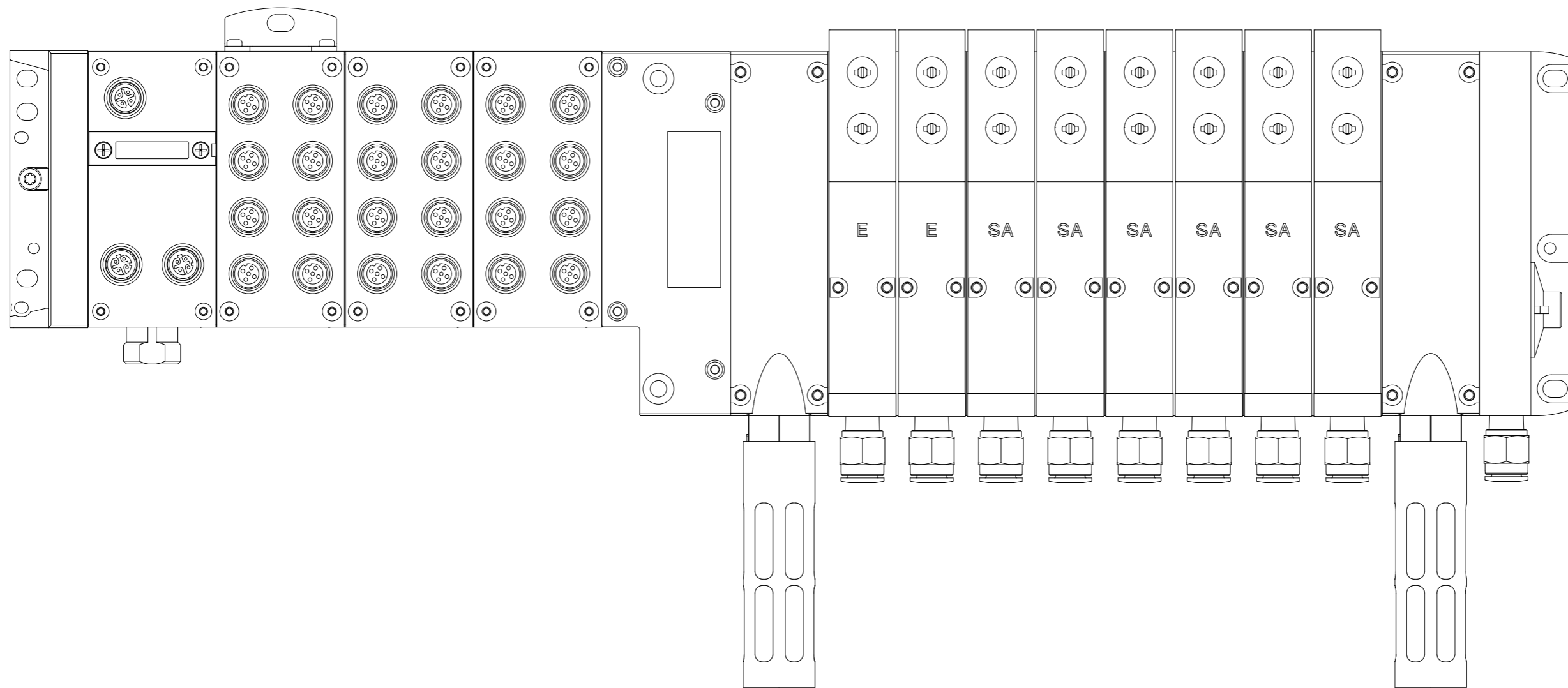
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3/8"

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Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02				=2V02&MFS-PNEU		+ V1WR1UQ51
Appr.			Replacement of		Scale 1:1	Document type:	Project nr:	Page	11
Original			Replaced by			MFS	22-16151		183



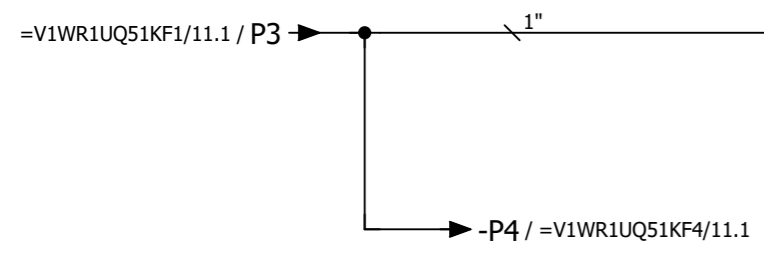
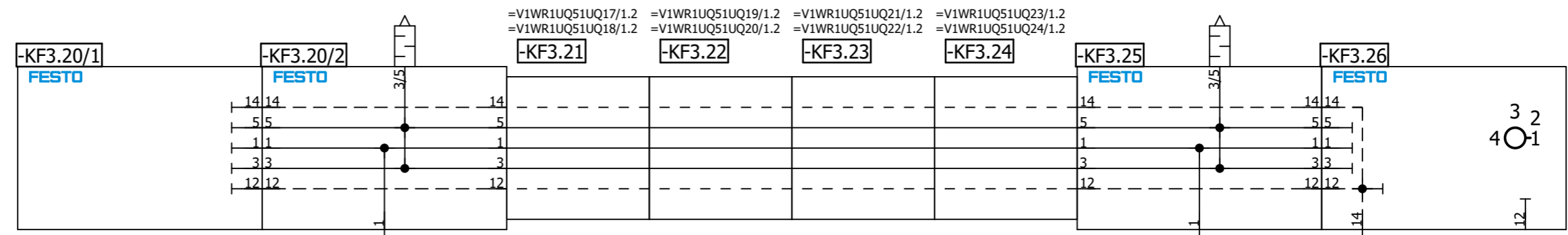
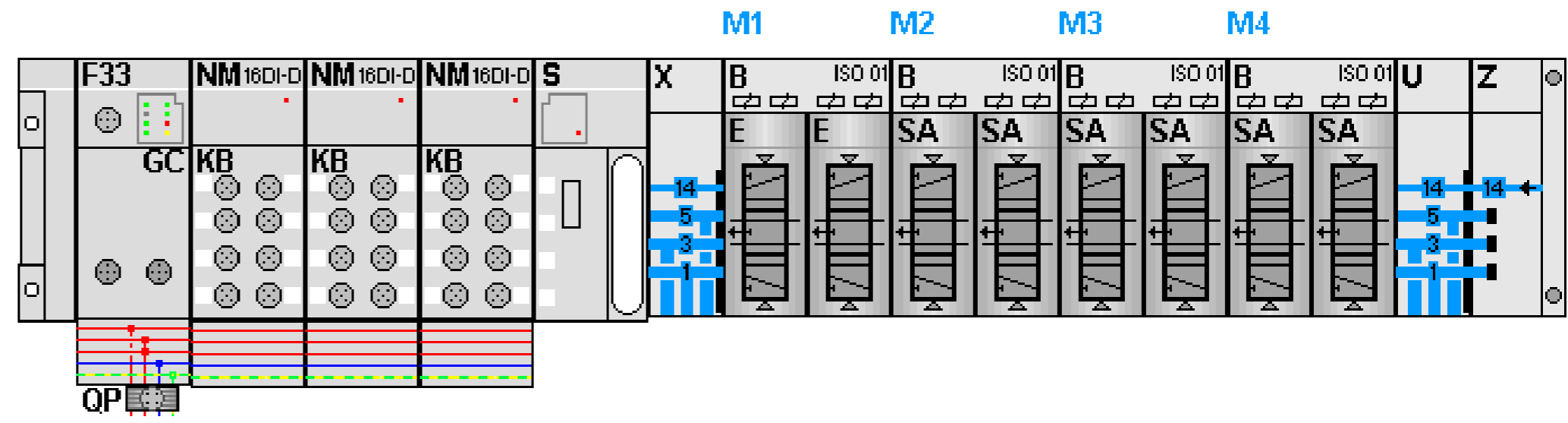
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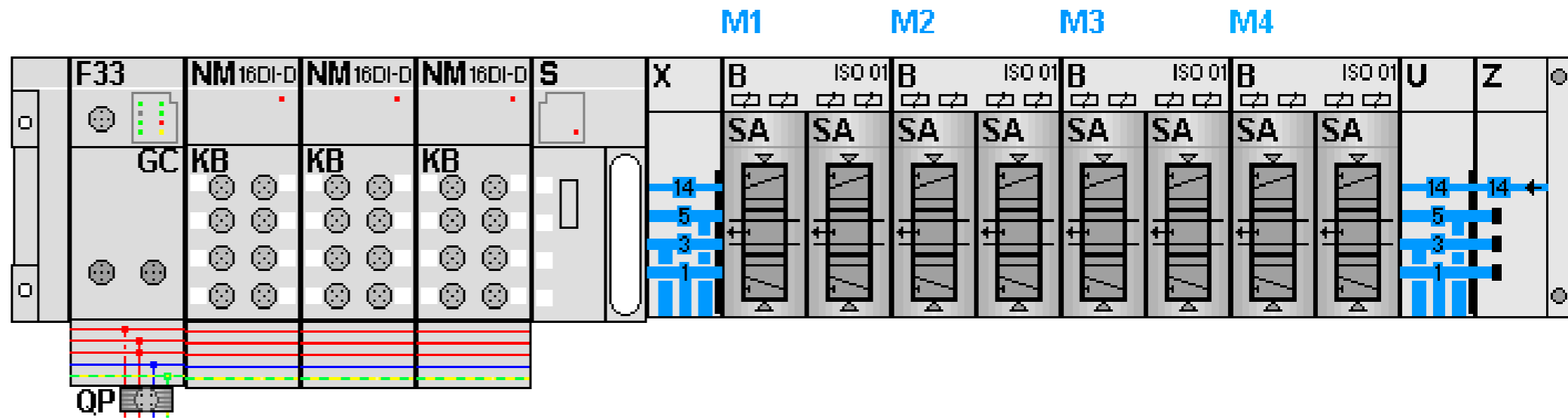
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Appr			Replacement of		Scale 1:1	Document type:		MFS	Project nr:		22-16151	Page	5
Modification	Date	Name	Original	Replaced by		MFS		22-16151				183	

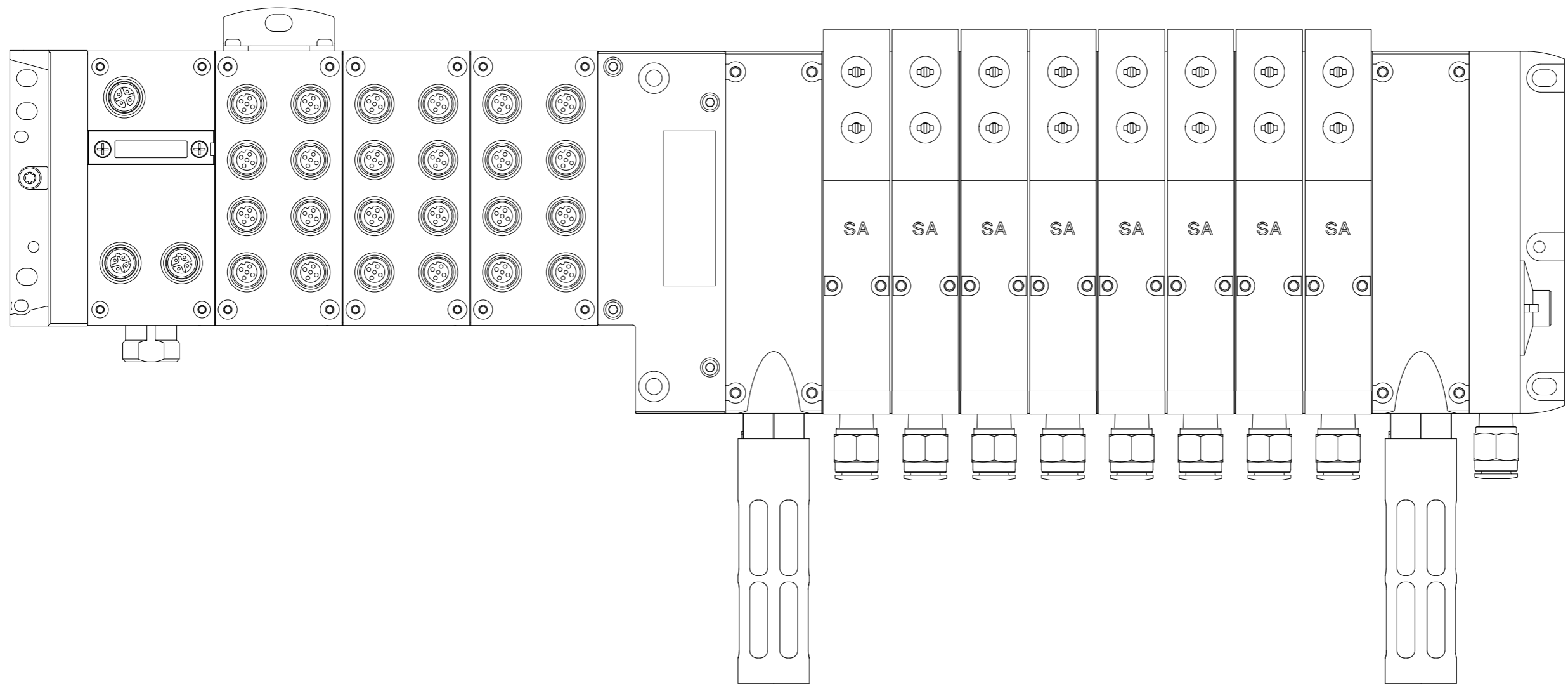


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Appr.				Replacement of		Replaced by				Project nr:		22-16151	
Modification		Date		Name		Original				Document type:		MFS	
										Page		11	
										Page		183	



KF4.0



=V1WR1UQ51KF3/11

11

Modification		Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Volvo Trucks North America	Valiant TMS	AIR SUPPLY CONFIGURATION	Drawing name: =2V02&MFS-PNEU	= V1WR1UQ51KF4 + V1WR1UQ51	Page 5
		1/11/2023	MKLEPADLO								Document type: MFS	Project nr: 22-16151	183

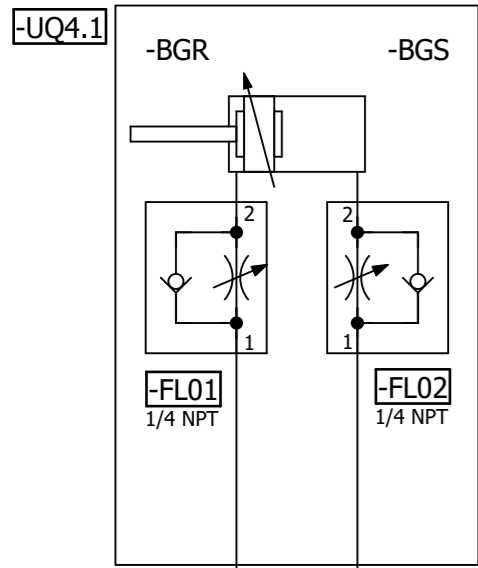




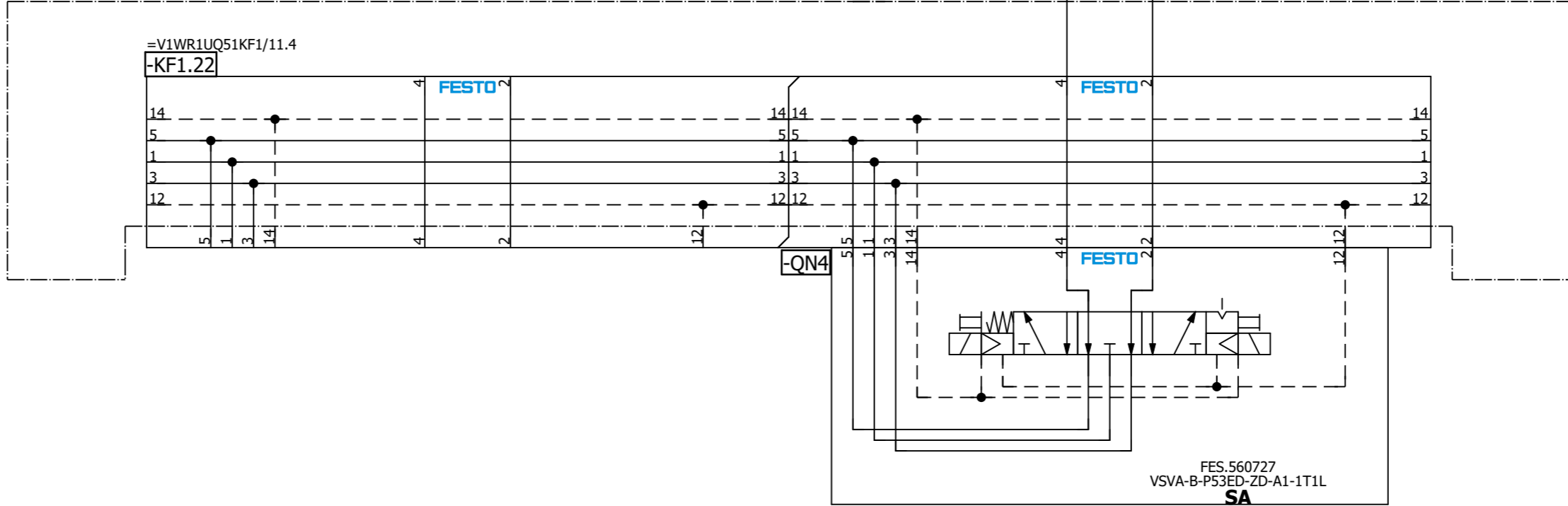









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-UQ4-QN4.1  
L290 Model LH  
Adapt (RST)

=V1WR1UQ51  
-UQ4-QN4.2  
L290 Model LH  
Adapt (SET)

=V1WR1UQ51UQ5/1

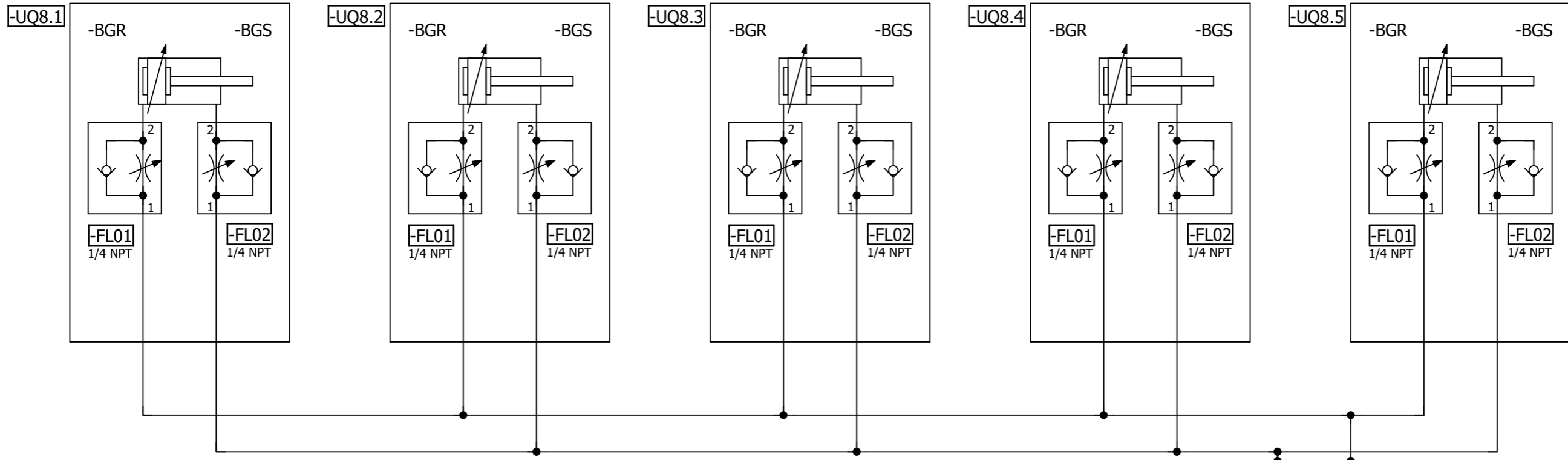
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			Ed.	MKLEPADLO		Scale 1:1	Drawing type:	=2V02&MFS-PNEU	Project nr:		
Modification	Date	Name	Original				Replacement of	Replaced by		MFS	



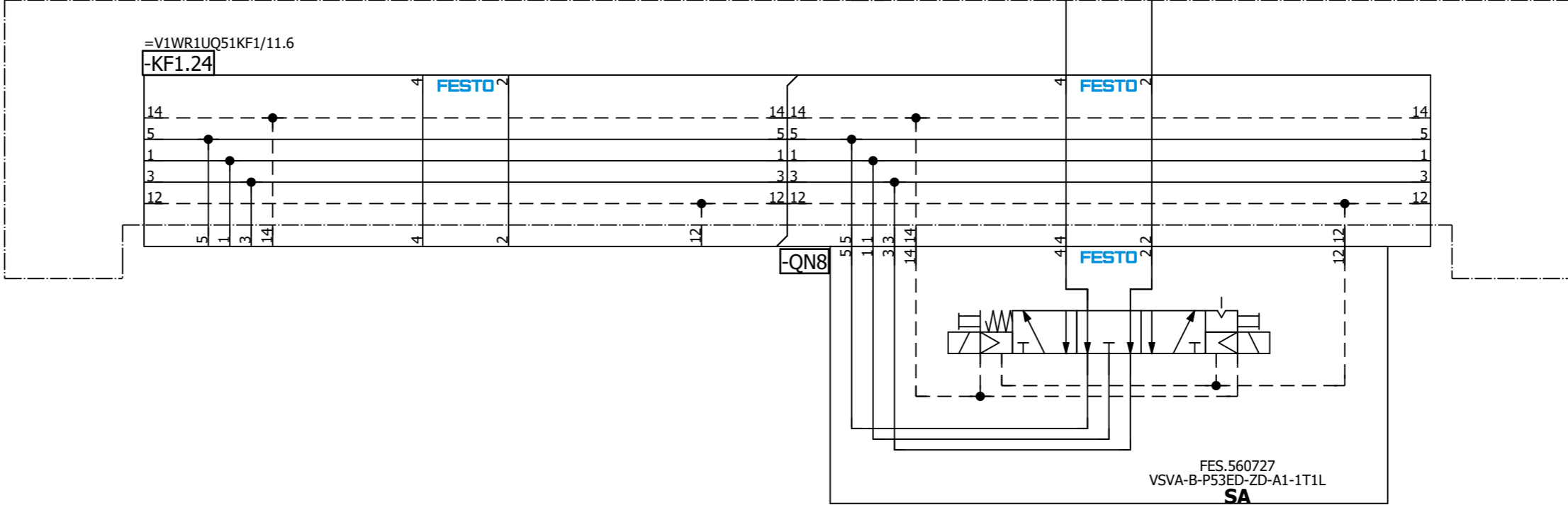








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=V1WR1UQ51  
-UQ8-QN8.1  
Common LH  
Clamps 1 (RST)

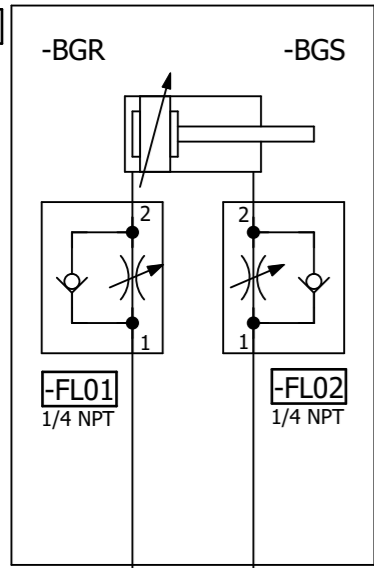
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Common LH  
Clamps 1 (SET)

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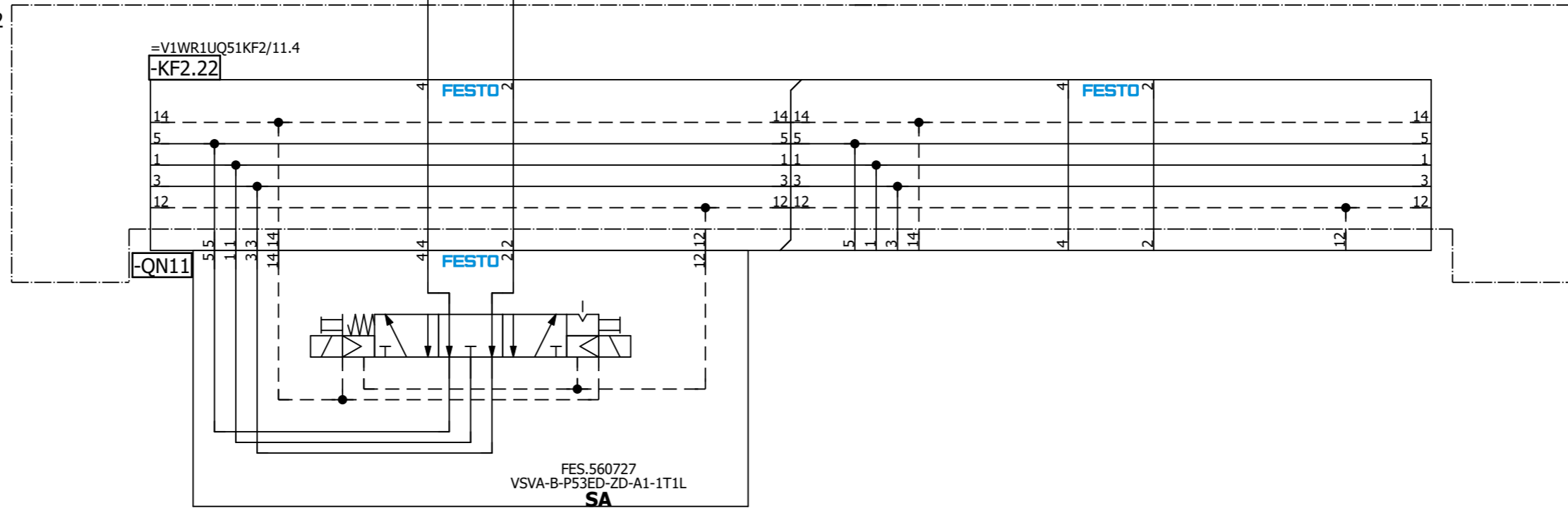




-UQ11.1



=V1WR1UQ51KF2



=V1WR1UQ51  
-UQ11-QN11.1  
L230 Model LH  
Shot Pin (RST)

=V1WR1UQ51  
-UQ11-QN11.2  
L230 Model LH  
Shot Pin (SET)

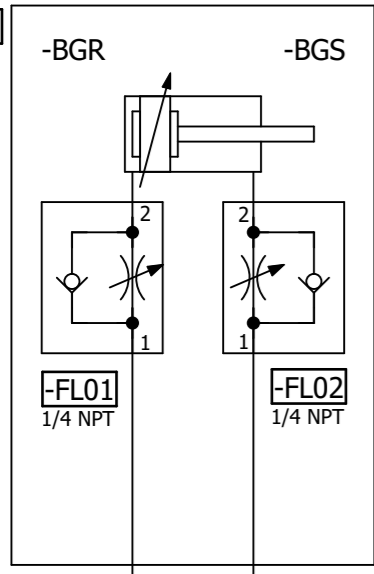
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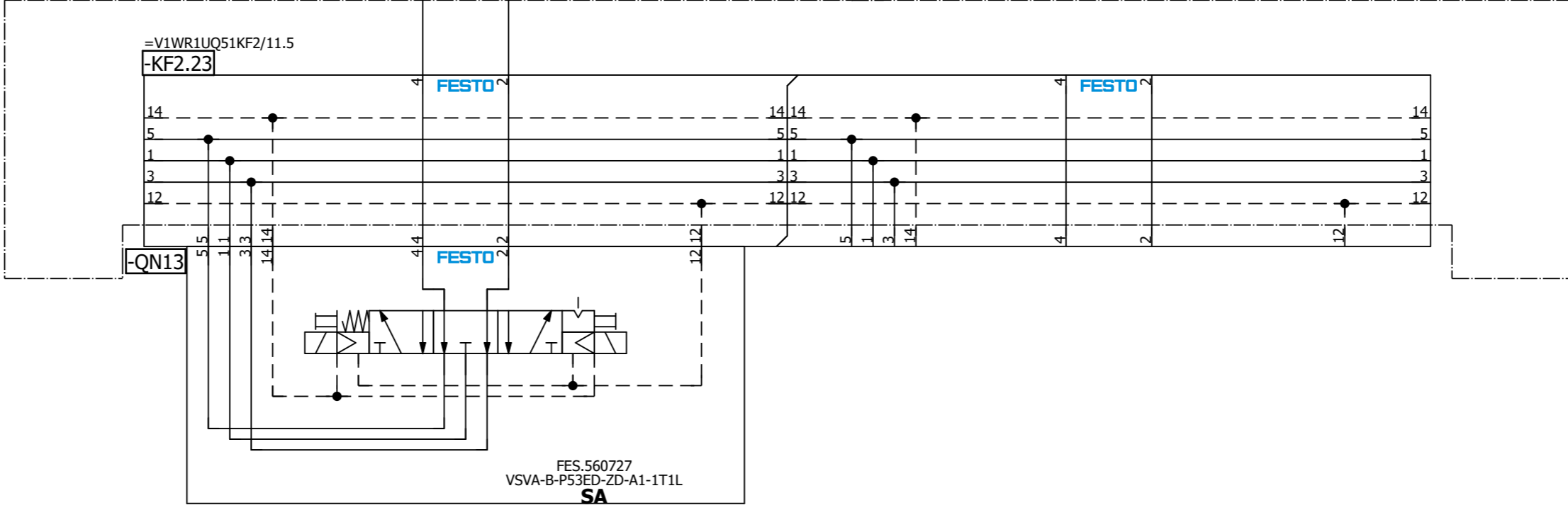
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Modification	Date	Name	Original					Replaced by			
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-UQ13.1



=V1WR1UQ51KF2



=V1WR1UQ51  
-UQ13-QN13.1  
L230 Model LH  
Clamp (RST)

=V1WR1UQ51  
-UQ13-QN13.2  
L230 Model LH  
Clamp (SET)

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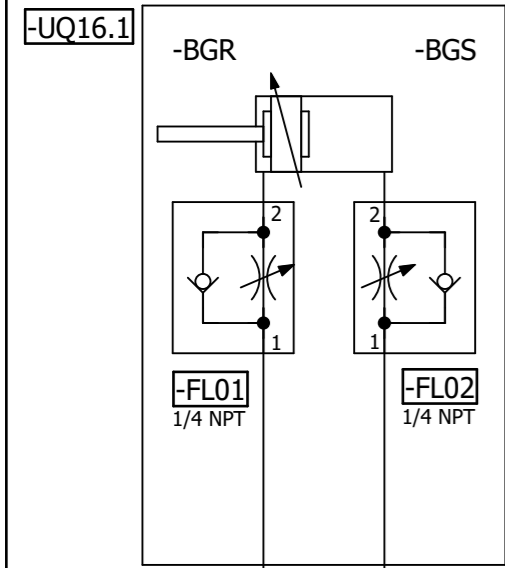
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			Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1		Document type:	MFS	Project nr:	22-16151
Modification	Date	Name	Original	Replacement of				Replaced by	Page	1	
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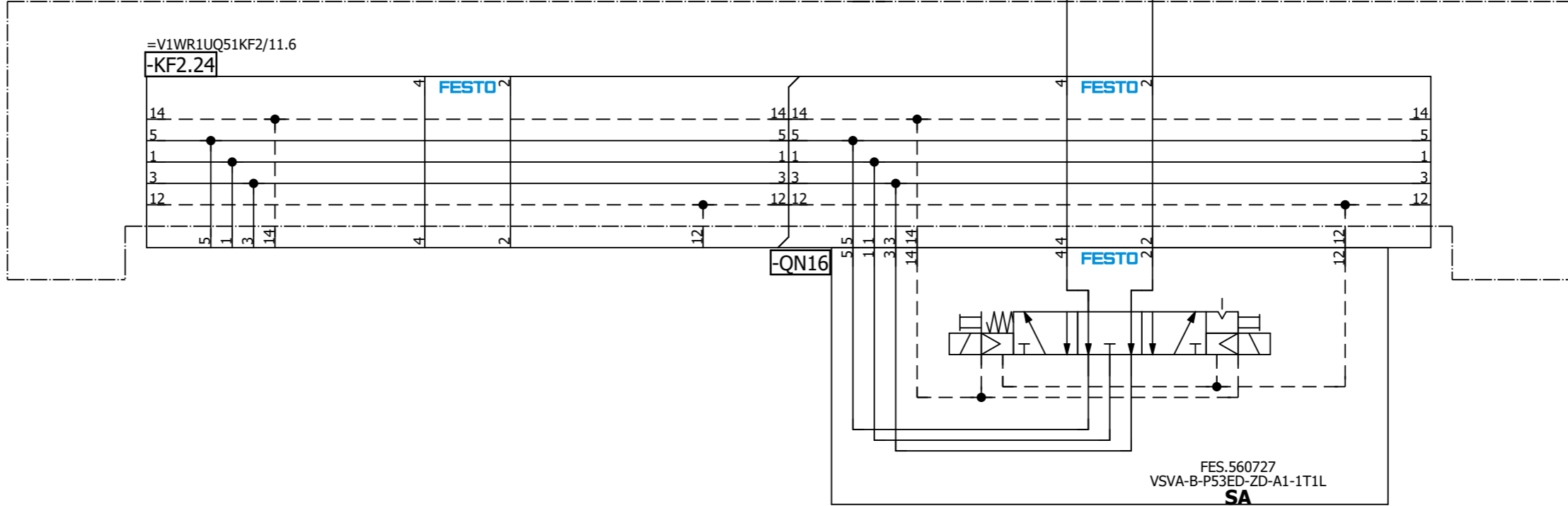








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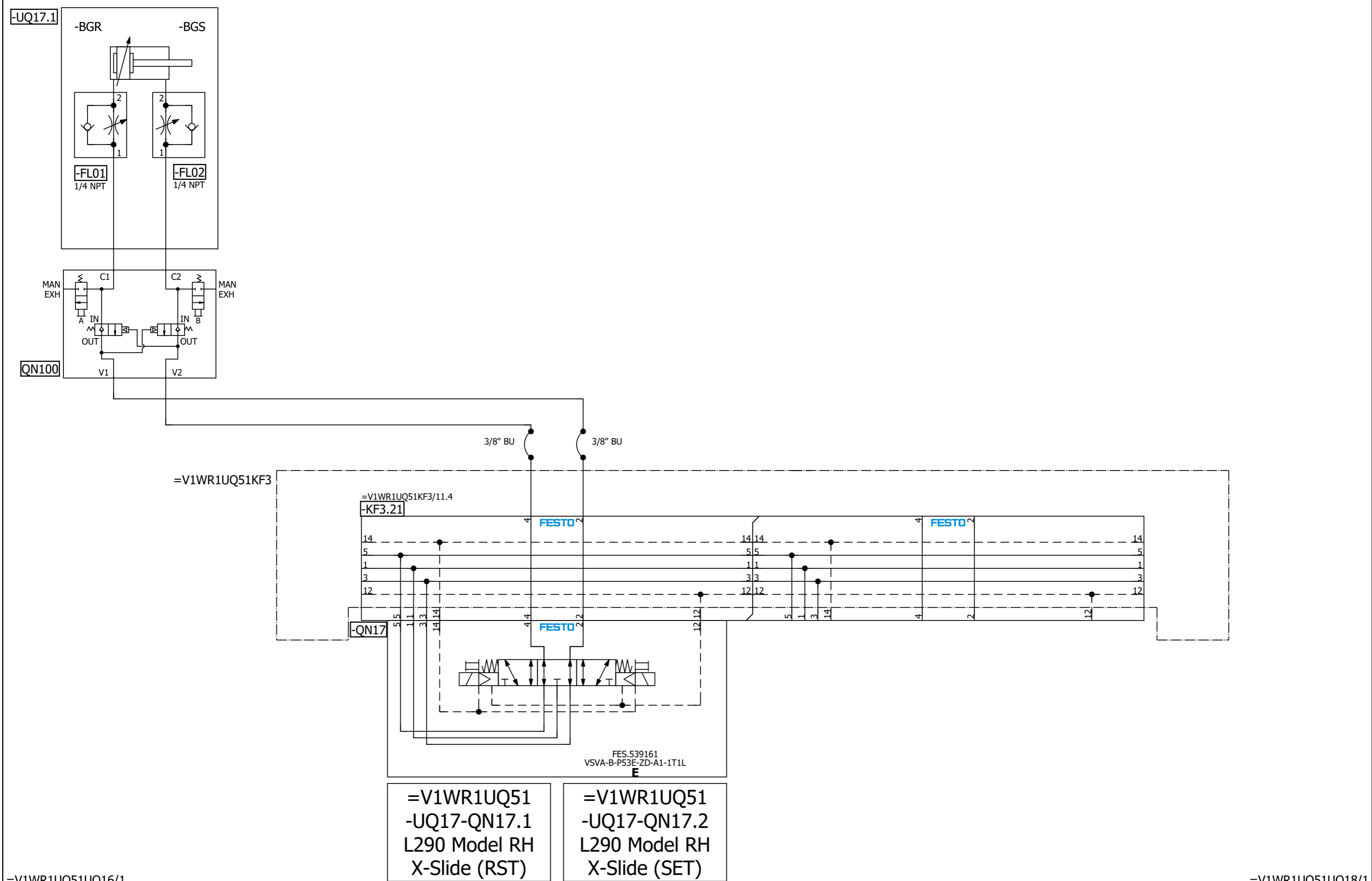
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Common LH  
Clamp 5 (RST)

=V1WR1UQ51  
-UQ16-QN16.2  
Common LH  
Clamp 5 (SET)

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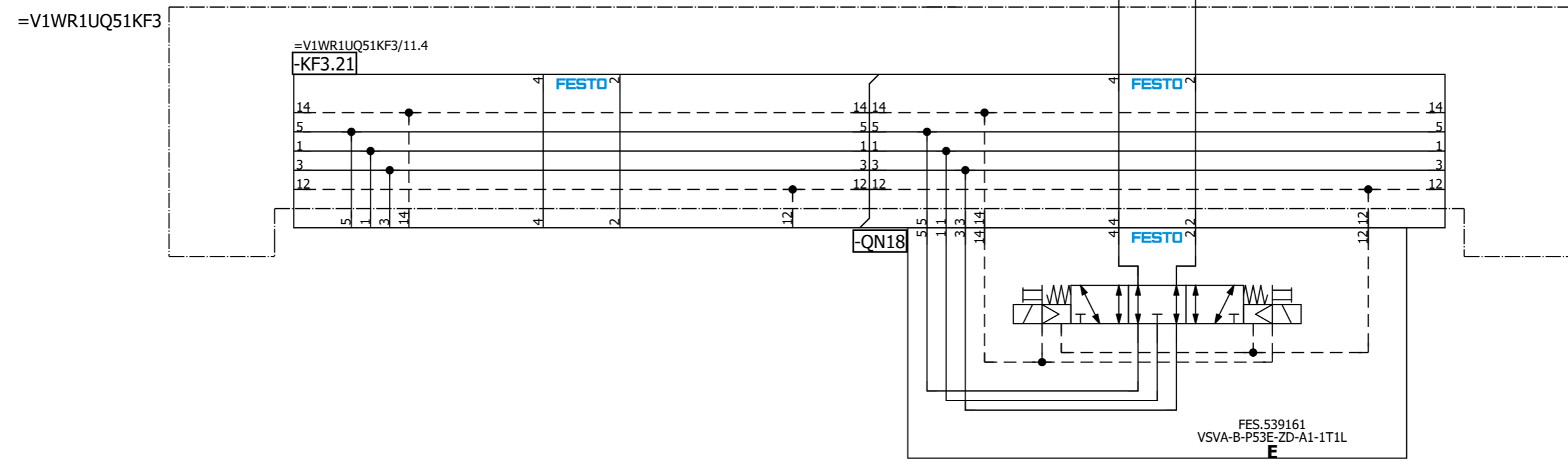
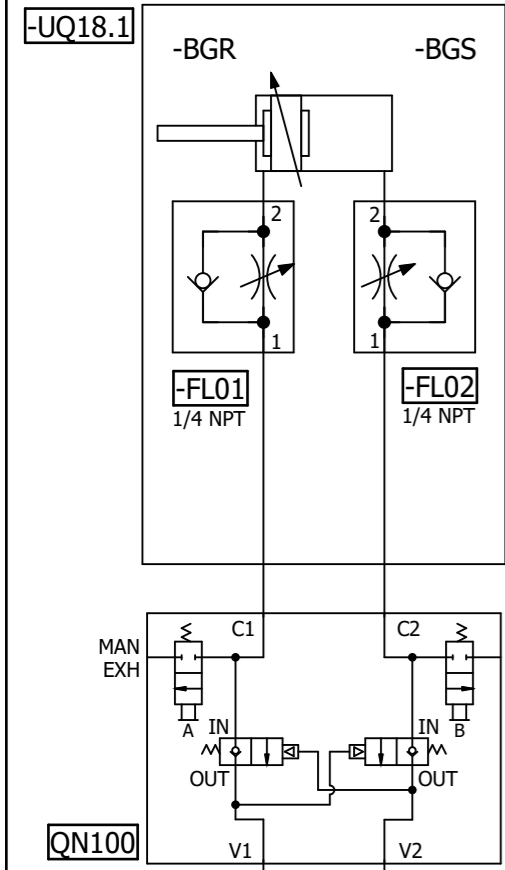
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Modification	Date	Name	Original	Replacement of	Replaced by					Project nr:	22-16151	Page	1
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=V1WR1UQ51UQ16/1

=V1WR1UQ51UQ18/1

			Date	1/11/2023	Volvo Trucks North America	Valiant TMS	L290 Model RH X-Slide	Drawing name:	= V1WR1UQ51UQ17		
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Modification	Date	Name	Original		Replacement of	Replaced by					183



=V1WR1UQ51  
-UQ18-Q18.1  
Common RH  
Y-Slide (RST)

=V1WR1UQ51  
-UQ18-Q18.2  
Common RH  
Y-Slide (SET)

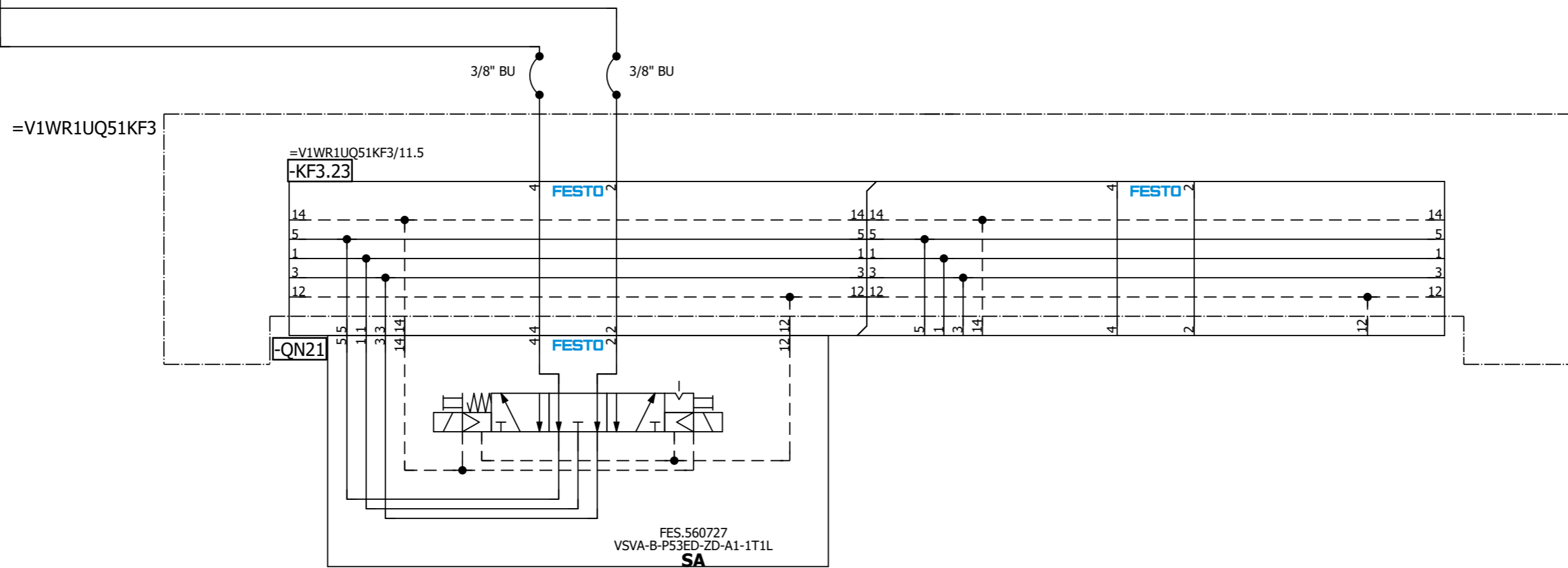
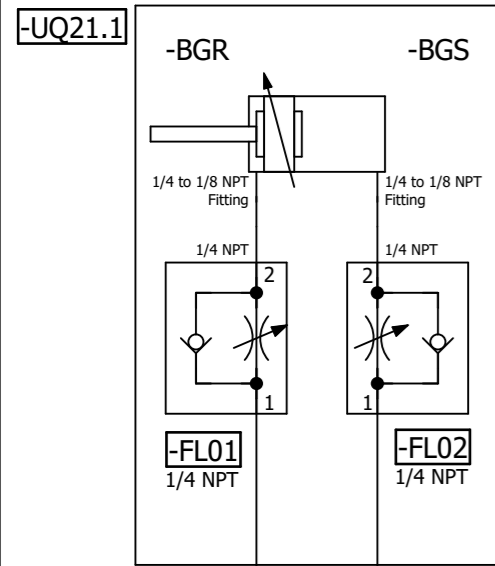
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Modification	Date	Name	Original	Replaced by			MFS	22-16151	Page
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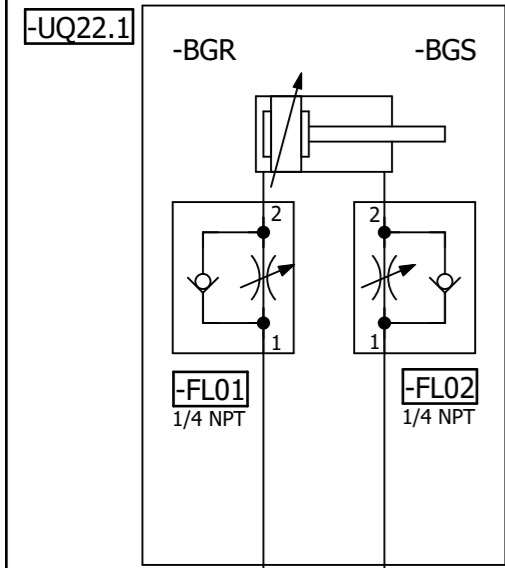
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L290/320 RH  
Adapt 1 (RST)

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L290/320 RH  
Adapt 1 (SET)

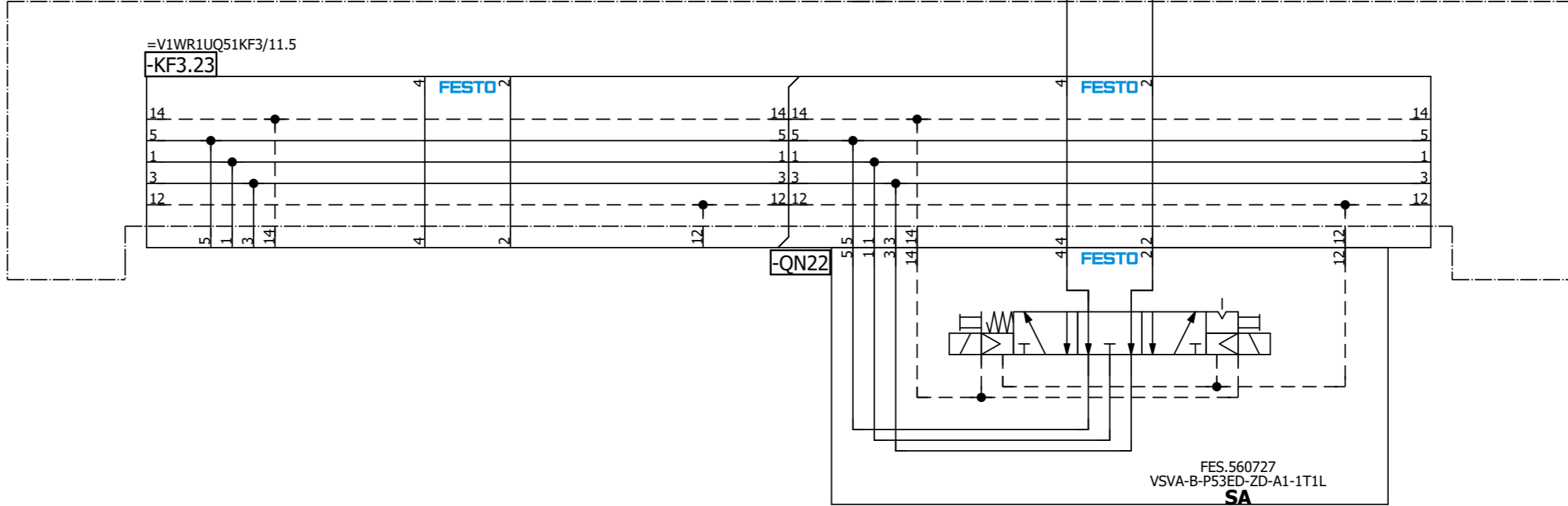
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Modification	Date	Name	Original	Replacement of	Replaced by	Page	1
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=V1WR1UQ51  
-UQ22-QN22.1  
L290/320 RH  
Adapt 2 (RST)

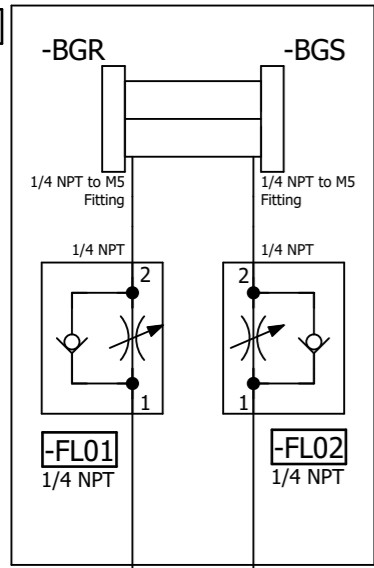
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-UQ22-QN22.2  
L290/320 RH  
Adapt 2 (SET)

=V1WR1UQ51UQ21/1

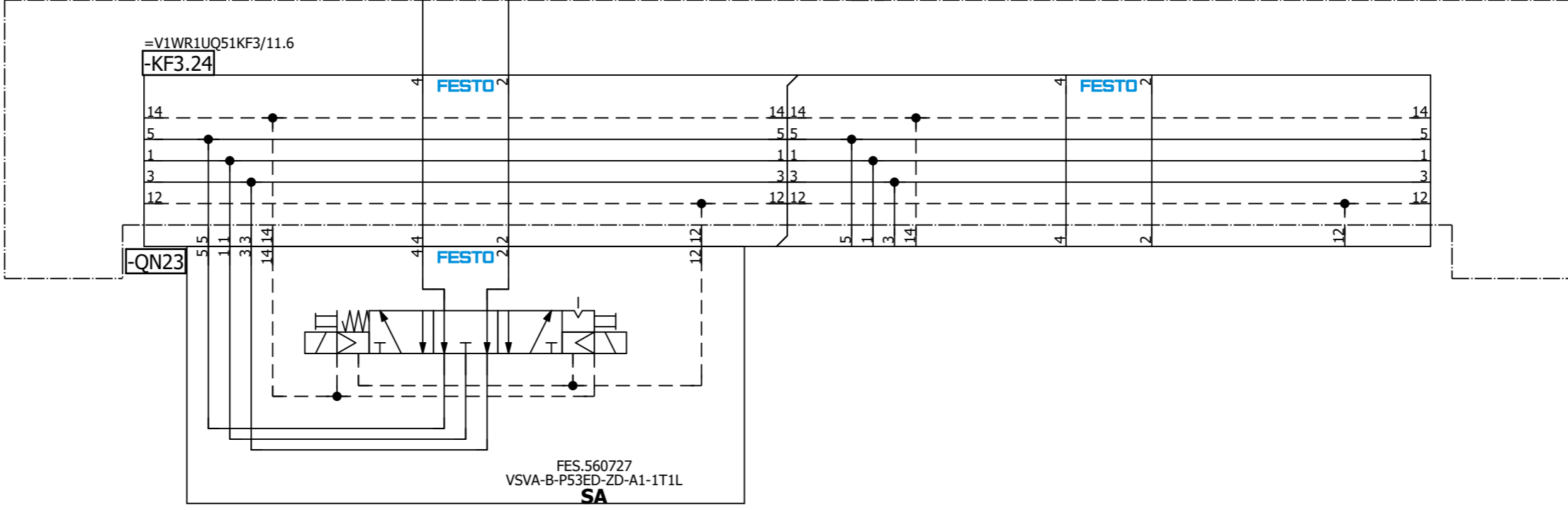
=V1WR1UQ51UQ23/1

		Date	1/11/2023	Volvo Trucks North America		Valiant TMS		L290/320 Model RH Adapt 2		Drawing name: =2V02&MFS-PNEU		= V1WR1UQ51UQ22	
		Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				Document type:		Project nr:	
		Appr								MFS		22-16151	
Modification	Date	Name	Original	Replacement of	Replaced by					Page		1	
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-UQ23.1



=V1WR1UQ51KF3



=V1WR1UQ51  
-UQ23-QN23.1  
L320 RH Rot.  
Adapt (RST)

=V1WR1UQ51  
-UQ23-QN23.2  
L320 RH Rot.  
Adapt (SET)

=V1WR1UQ51UQ22/1

=V1WR1UQ51UQ24/1

Date		1/11/2023	Volvo Trucks North America		Valiant TMS		L320 Model RH Rotary Adapt		Drawing name:		= V1WR1UQ51UQ23	
Ed.		MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				=2V02&MFS-PNEU		+ V1WR1UQ51	
Appr.			Replacement of		Replaced by				Document type:		Project nr:	
Original									MFS		22-16151	
Modification		Date	Name		Original						Page	
											1	
											183	

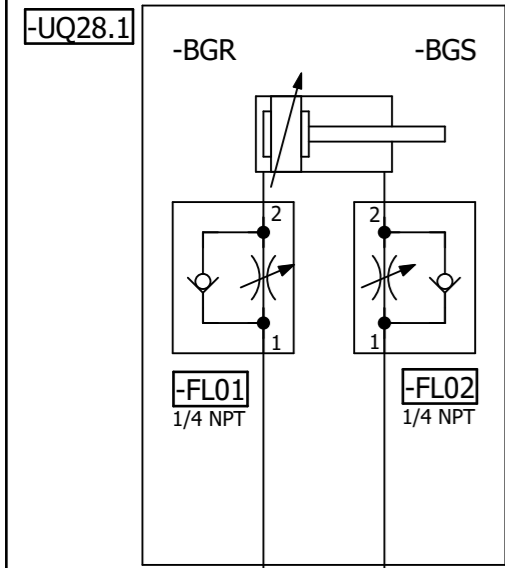




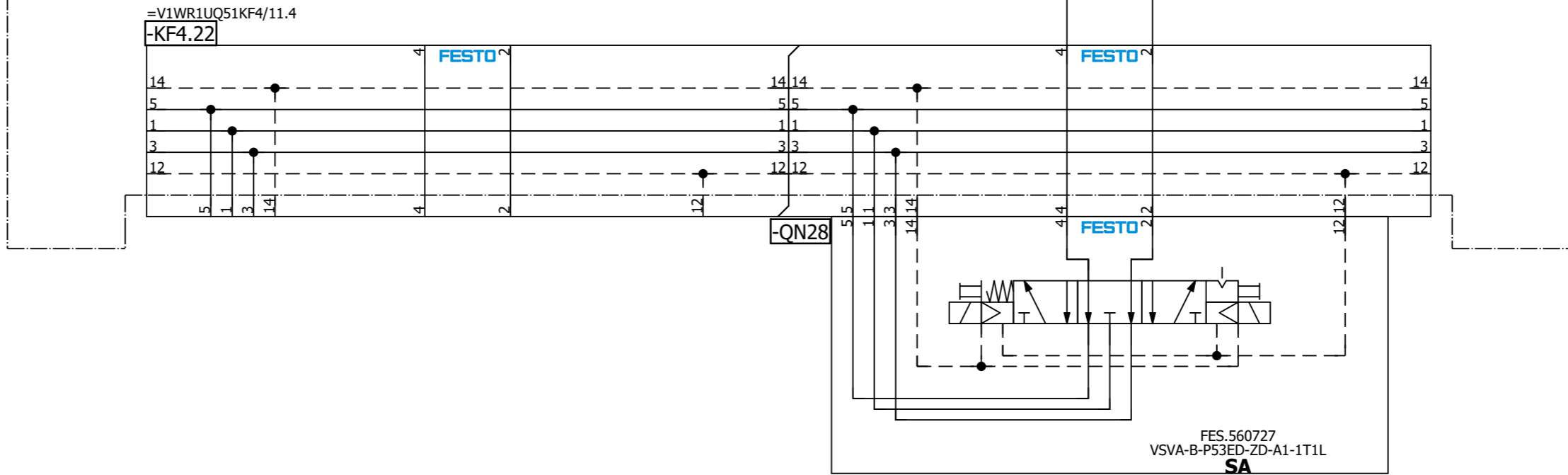








=V1WR1UQ51KF4



**=V1WR1UQ51**  
**-UQ28-QN28.1**  
**L290/320 Model**  
**RH Clamp (RST)**

**=V1WR1UQ51**  
**-UQ28-QN28.2**  
**L290/320 Model**  
**RH Clamp (SET)**

=V1WR1UQ51UQ29/1

=V1WR1UQ51UQ27/1

		Date	1/11/2023	Volvo Trucks North America		Valiant TMS		L290/320 Model RH Clamp		Drawing name: =2V02&MFS-PNEU		= V1WR1UQ51UQ28		
		Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1				Document type:		Project nr:		
		Appr								MFS		22-16151		
Modification	Date	Name	Original	Replacement of	Replaced by					Page		1		
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# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=KH0-A1	1	start valve w/silencer	MS12-EM-G-S		FES.541495
=KH0-A1	1	Filter regulator	MS12N-LFR-AQW-D7-E-U-M-AS-LD		FES.535025
=KH0-A1	1	Branching module	MS12-FRM-G		FES.541681
=KH0-A1	4	Mounting bracket	MS12-WP		FES.537133
=KH0-A1	1	Pressure sensor	SPAN-P10R-G18M-PN-PN-L1		FES.8035544
=KH0-A1	1	Connecting cable	NEBS-L1G4-K-5-LE4		FES.572577
=KH0-A1	1	Reducing nipple	NPFC-R-G14-G18-MF		FES.8030308

&MFS=V1WR1UQ51UQ32+V1WR1UQ51/1

+KH1/1

Modification		Date	Name	Date	1/6/2023	Ed.	MKLEPADLO	Volvo Trucks North America			Valiant TMS	Parts list : FES.541495 - FES.8030308	Drawing name:	=2V02&MFS-PNEU		=									
								P6700 Underbody Structure - Robot Cell 2V02			Scale 1:1		Document type:	MPB		Project nr:	22-16151								
								Replacement of	Replaced by								Page	1							





# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1AR12UQ41KF1-KF1.0	1	Valve Manifold	51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J	FES	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J
=V1AR12UQ41KF1-KF1.21	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR12UQ41KF1-KF1.22	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR12UQ41KF1-KF1.23	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR12UQ41KF1-KF1.24	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR12UQ41UQ1-QN1	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/8-QB-1/4-U	FES	FES.534658
=V1AR12UQ41UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/8-QB-1/4-U	FES	FES.534658
=V1AR12UQ41UQ2-QN2	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.6-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ2-UQ2.6-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ3-QN3	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ3-UQ3.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ3-UQ3.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ4-QN4	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ4-UQ4.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ4-UQ4.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ5-QN5	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ5-UQ5.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ5-UQ5.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ5-UQ5.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ6-QN6	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ6-UQ6.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ6-UQ6.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ7-QN7	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ7-UQ7.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ7-UQ7.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ7-UQ7.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ7-UQ7.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR12UQ41UQ8-QN8	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/8-QB-1/4-U	FES	FES.534658
=V1AR12UQ41UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/8-QB-1/4-U	FES	FES.534658

+ .AR11UQ41/1

+ .AR41UQ41/1

Date	1/6/2023	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J - FES.534658	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J	+ V1AR12UQ41	
Appr							Document type:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
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# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1AR41UQ41KF1-KF1.0	1	Valve manifold	51E-F33GCQPNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBH-JJ		FES.51E-F33GCQPNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBH-JJ
=V1AR41UQ41KF1-KF1.21	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR41UQ41UQ1-QN1	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR41UQ41UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ1-UQ1.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ2-QN2	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR41UQ41UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ2-UQ2.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR41UQ41UQ2-UQ2.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661

+ .AR12UQ41/1

+ .AR42UQ41/1

Date	1/6/2023	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1	FES.51E-F33GCQPNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBH-JJ - FES.534661	=2V02&MFS-PNEU	+ V1AR41UQ41	
Appr							Document type:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							183

# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1AR42UQ41KF1-KF1.0	1	Valve manifold	51E-F33GCQPNMKB-NMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBH-JJ		FES.51E-F33GCQPNMKB-NMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBH-JJ
=V1AR42UQ41KF1-KF1.21	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR42UQ41UQ1-QN1	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR42UQ41UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ1-UQ1.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ1-UQ1.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ1-UQ1.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ1-UQ1.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ1-UQ1.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ1-UQ1.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-QN2	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR42UQ41UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-UQ2.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-UQ2.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-UQ2.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-UQ2.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-UQ2.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661
=V1AR42UQ41UQ2-UQ2.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-1/4-U	FES	FES.534661

+ .AR41UQ41/1

+ .GL11UQ51/1

Date	1/6/2023	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1	FES.51E-F33GCQPNMKB-NMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBH-JJ - FES.534661	=2V02&MFS-PNEU	+ V1AR42UQ41	
Appr							Document type:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
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# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1GM2UQ51KF1-KF1.0	1	Valve manifold	51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA
=V1GM2UQ51KF1-KF1.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF1-KF1.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF1-KF1.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF1-KF1.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF2-KF2.0	1	Valve manifold	51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA
=V1GM2UQ51KF2-KF2.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF2-KF2.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF2-KF2.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF2-KF2.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF3-KF3.0	1	Valve manifold	51E-F33GCQPNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-BD-SALE	FES.51E-F33GCQPNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-BD-SALE	FES.51E-F33GCQPNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-BD-SALE
=V1GM2UQ51KF3-KF3.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GM2UQ51KF3-KF3.22	0	Manifold subbase	VABV-S2-2S-N12-T2		FES.560843
=V1GM2UQ51UQ1-QN1	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ1-UQ1.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ1-UQ1.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ1-UQ1.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ1-UQ1.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ1-UQ1.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ1-UQ1.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ2-QN2	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ2-UQ2.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ2-UQ2.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-QN3	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.6-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ3-UQ3.6-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-QN4	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.6-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ4-UQ4.6-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ5-QN5	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ5-UQ5.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

+ .GM1UQ51/2

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Date	1/11/2023	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1	FES.51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA - FES.534663	T2V028-MES-PNEU	+ V1GM2UQ51	
Appr						Document type:	Project nr:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							183

# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1GM2UQ51UQ5-UQ5.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ5-UQ5.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ6-QN6	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ6-UQ6.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ6-UQ6.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-QN7	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ7-UQ7.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.6-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ7-UQ7.6-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ8-QN8	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ8-UQ8.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ8-UQ8.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ9-QN9	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ9-UQ9.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ9-UQ9.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ9-UQ9.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ9-UQ9.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-QN10	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ10-UQ10.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-UQ10.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-UQ10.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-UQ10.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-UQ10.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-UQ10.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-UQ10.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ10-UQ10.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ11-QN11	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ11-UQ11.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ11-UQ11.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ11-UQ11.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ11-UQ11.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-QN12	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ12-UQ12.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ12-UQ12.6-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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Date	1/11/2023	Volvo Trucks North America	Valiant TMS	Parts list : FES.534663 - FES.534663	Drawing name:		=
Ed.	MKLEPADLO				=2V02&MFS-PNEU		+ V1GM2UQ51
Appr		P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1		Document type:	Project nr:	Page
Modification	Date				Replacement of	Replaced by	MPB
							183


# Parts list

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Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1GM2UQ51UQ12-UQ12.6-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-QN13	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ13-UQ13.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-UQ13.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-UQ13.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-UQ13.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-UQ13.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-UQ13.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-UQ13.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ13-UQ13.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-QN14	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ14-UQ14.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.6-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ14-UQ14.6-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ15-QN15	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ15-UQ15.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ15-UQ15.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ15-UQ15.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ15-UQ15.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ16-QN19	0	Solenoid valve	VSVA-B-P53E-ZD-D2-1T1L		FES.560823
=V1GM2UQ51UQ16-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1GM2UQ51UQ16-QN101	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1GM2UQ51UQ16-UQ16.1-FL01	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1GM2UQ51UQ16-UQ16.1-FL02	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1GM2UQ51UQ16-UQ16.2-FL01	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1GM2UQ51UQ16-UQ16.2-FL02	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1GM2UQ51UQ17-QN17	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ17-UQ17.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ17-UQ17.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ18-QN18	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1GM2UQ51UQ18-UQ18.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ18-UQ18.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ18-UQ18.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQ18-UQ18.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GM2UQ51UQx3-QN18	0	Blanking plate	VABB-S4-1-WT		FES.539212

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Date	1/11/2023	Volvo Trucks North America		Valiant TMS	Parts list : FES.534663 - FES.539212	Drawing name: =2V02&MFS-PNEU		=	
Ed.	MKLEPADLO					+ V1GM2UQ51			
Appr		P6700 Underbody Structure - Robot Cell 2V02		Scale 1:1		Document type:	Project nr:	Page	3
Modification	Date	Name	Original			Replacement of	Replaced by	MPB	22-16151



# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1UQ51UQ11-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1UQ51UQ11-QN101	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1UQ51UQ11-UQ11.1-FL01	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ11-UQ11.1-FL02	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ11-UQ11.2-FL01	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ11-UQ11.2-FL02	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ12-QN7	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ12-UQ12.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ12-UQ12.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ12-UQ12.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ12-UQ12.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ13-QN8	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ13-UQ13.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ13-UQ13.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ13-UQ13.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ13-UQ13.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ14-QN9	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ14-UQ14.1-FL01	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ14-UQ14.1-FL02	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ15-QN10	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ15-UQ15.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ15-UQ15.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ15-UQ15.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ15-UQ15.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ16-QN14	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ16-UQ16.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ16-UQ16.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ16-UQ16.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ16-UQ16.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ17-QN23	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L		FES.539161
=V1UQ51UQ17-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1UQ51UQ17-QN101	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1UQ51UQ17-UQ17.1-FL01	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ17-UQ17.1-FL02	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ17-UQ17.2-FL01	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ17-UQ17.2-FL02	1	One-way flow control valve	GRLA-3/8-QB-3/8-U		FES.534666
=V1UQ51UQ18-QN15	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ18-UQ18.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ18-UQ18.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ19-QN16	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ19-UQ19.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ19-UQ19.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ20-QN17	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ20-UQ20.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ20-UQ20.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ21-QN18	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ21-UQ21.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ21-UQ21.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-QN19	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ22-UQ22.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-UQ22.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-UQ22.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-UQ22.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ23-QN24	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ23-UQ23.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ23-UQ23.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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Date	1/6/2023	Volvo Trucks North America	Valiant TMS	Parts list : 2768D3904 - FES.534663	Drawing name:		=
Ed.	MKLEPADLO				=2V02&MFS-PNEU		+ V1UQ51
Appr		P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1		Document type:	Project nr:	Page
Modification	Date				Replacement of	Replaced by	MPB
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# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1WR1UQ51KF1-KF1.0	1	Valve manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6SA
=V1WR1UQ51KF1-KF1.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF1-KF1.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF1-KF1.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF1-KF1.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF2-KF2.0	1	Valve manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA
=V1WR1UQ51KF2-KF2.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF2-KF2.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF2-KF2.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF2-KF2.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF3-KF3.0	1	Valve manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6SA
=V1WR1UQ51KF3-KF3.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF3-KF3.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF3-KF3.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF3-KF3.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF4-KF4.0	1	Valve manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8SA
=V1WR1UQ51KF4-KF4.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF4-KF4.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF4-KF4.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51KF4-KF4.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1WR1UQ51UQ1-QN1	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L		FES.539161
=V1WR1UQ51UQ1-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1WR1UQ51UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ2-QN2	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L		FES.539161
=V1WR1UQ51UQ2-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1WR1UQ51UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ3-QN3	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ4-QN4	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ5-QN5	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ5-UQ5.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ6-QN6	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ7-QN7	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ7-UQ7.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ7-UQ7.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-QN8	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ8-UQ8.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ9-QN9	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ9-UQ9.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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Date	1/6/2023	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6SA - FES.534663	F2V02&MFS-PNEU	+ V1WR1UQ51	
Appr						Document type:	Project nr:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							183

# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1WR1UQ51UQ9-UQ9.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ9-UQ9.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ9-UQ9.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ10-QN10	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ10-UQ10.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ10-UQ10.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ11-QN11	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ11-UQ11.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ11-UQ11.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ12-QN12	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ12-UQ12.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ12-UQ12.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ13-QN13	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ13-UQ13.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ13-UQ13.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ14-QN14	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ14-UQ14.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ14-UQ14.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ14-UQ14.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ14-UQ14.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ14-UQ14.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ14-UQ14.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ15-QN15	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ15-UQ15.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ15-UQ15.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ15-UQ15.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ15-UQ15.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ16-QN16	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ16-UQ16.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ16-UQ16.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ17-QN17	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L		FES.539161
=V1WR1UQ51UQ17-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1WR1UQ51UQ17-UQ17.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ17-UQ17.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ18-QN18	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L		FES.539161
=V1WR1UQ51UQ18-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1WR1UQ51UQ18-UQ18.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ18-UQ18.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ19-QN19	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ19-UQ19.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ19-UQ19.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ20-QN20	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ20-UQ20.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ20-UQ20.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ21-QN21	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ21-UQ21.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ21-UQ21.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ22-QN22	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ22-UQ22.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ22-UQ22.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ23-QN23	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ23-UQ23.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ23-UQ23.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-QN24	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ24-UQ24.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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Date	1/6/2023	Volvo Trucks North America	Valiant TMS	Parts list : FES.534663 - FES.534663	Drawing name:		=
Ed.	MKLEPADLO				=2V02&MFS-PNEU		+ V1WR1UQ51
Appr		P6700 Underbody Structure - Robot Cell 2V02	Scale 1:1		Document type:	Project nr:	Page
Modification	Date				Replacement of	Replaced by	MPB
							183

# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1WR1UQ51UQ24-UQ24.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ24-UQ24.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ25-QN25	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ25-UQ25.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ25-UQ25.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ25-UQ25.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ25-UQ25.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ26-QN26	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ26-UQ26.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ26-UQ26.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ27-QN27	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ27-UQ27.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ27-UQ27.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ28-QN28	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ28-UQ28.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ28-UQ28.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ29-QN29	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ29-UQ29.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ29-UQ29.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ30-QN30	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ30-UQ30.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ30-UQ30.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ30-UQ30.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ30-UQ30.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ30-UQ30.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ30-UQ30.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ31-QN31	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ31-UQ31.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ31-UQ31.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ31-UQ31.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ31-UQ31.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ32-QN32	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1WR1UQ51UQ32-UQ32.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1WR1UQ51UQ32-UQ32.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663





LATEST REVISION				
REV.	DATE	SIGN.	DRAWING NR:	SHEET NR:
2	2022-11-11	KMAFFRE	&MFS=V1AR11UQ41KF1+V1AR11UQ41	11
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ1+V1AR11UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ2+V1AR11UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ3+V1AR11UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ4+V1AR11UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ5+V1AR11UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ6+V1AR11UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ7+V1AR11UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR11UQ41UQ8+V1AR11UQ41	1
2	2022-11-11	KMAFFRE	&MFS=V1AR12UQ41KF1+V1AR12UQ41	11
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ1+V1AR12UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ2+V1AR12UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ3+V1AR12UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ4+V1AR12UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ5+V1AR12UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ6+V1AR12UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ7+V1AR12UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ8+V1AR12UQ41	1
2	2022-11-11	KMAFFRE	&MFS=V1AR41UQ41KF1+V1AR41UQ41	11
2	2022-11-04	KMAFFRE	&MFS=V1AR41UQ41UQ1+V1AR41UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR41UQ41UQ2+V1AR41UQ41	1
2	2022-11-11	KMAFFRE	&MFS=V1AR42UQ41KF1+V1AR42UQ41	11
2	2022-11-04	KMAFFRE	&MFS=V1AR42UQ41UQ1+V1AR42UQ41	1
2	2022-11-04	KMAFFRE	&MFS=V1AR42UQ41UQ2+V1AR42UQ41	1

