

# Valiant TMS




Company / customer Volvo Trucks NA  
 Project description P6700 Underbody Mainline - Cell 2V04  
 drawing number 22-16151  
 Commission Volvo Trucks North America



Manufacturer (company) Valiant TMS  
 Project name =2V04&MFS-PNEU  
 Type P6700 Underbody Mainline - Cell 2V04

Created on 6/29/2022  
 Edit date 12/21/2022 by (short name) MKLEPADLO  
 Number of pages 227

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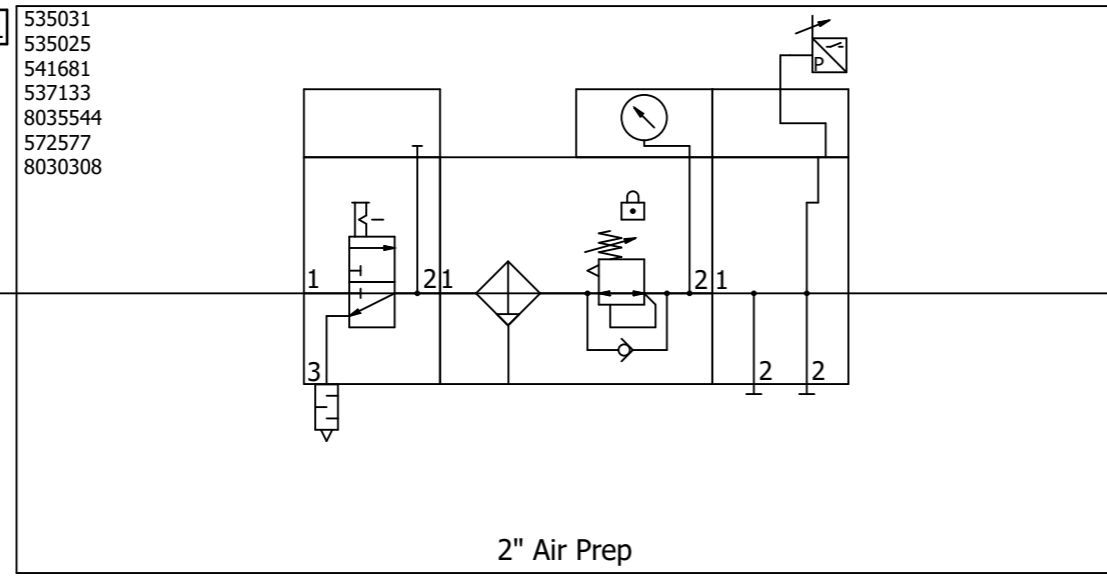
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Appr		P6700 Underbody Mainline - Cell 2V04			Document type:	Project nr:
Modification	Date	Name	Original	Replacement of	MAB	22-16151
				Replaced by		Page 6
				Scale 1:1		227





**A1**  
 535031  
 535025  
 541681  
 537133  
 8035544  
 572577  
 8030308

From drop point



2" Air Prep

2.5"

1"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

2.5"

1/2"

+V1UQ51KH1-P1 / =V1UQ51+KH1/1.1

+V1UQ52KH1-P1 / =V1UQ52+KH1/1.1

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+V1WR1KH1-P1 / =V1WR1+KH1/1.1

+V1GL11KH1-P1 / =V1GL11+KH1/1.1

+V1GL12KH1-P1 / =V1GL12+KH1/1.1

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V1AR11 /  
Robot Media Panel

V1AR12 /  
Robot Media Panel

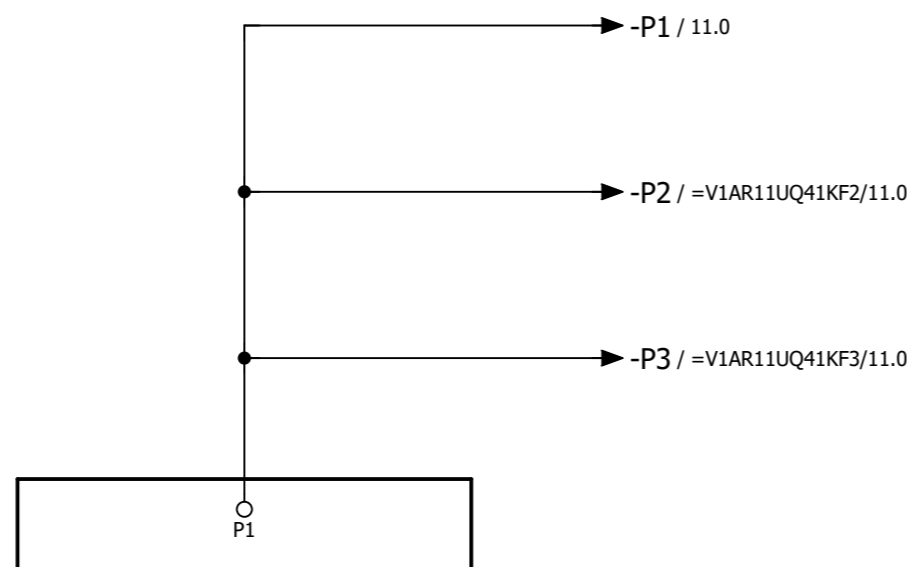
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V1AR14 /  
Robot Media Panel

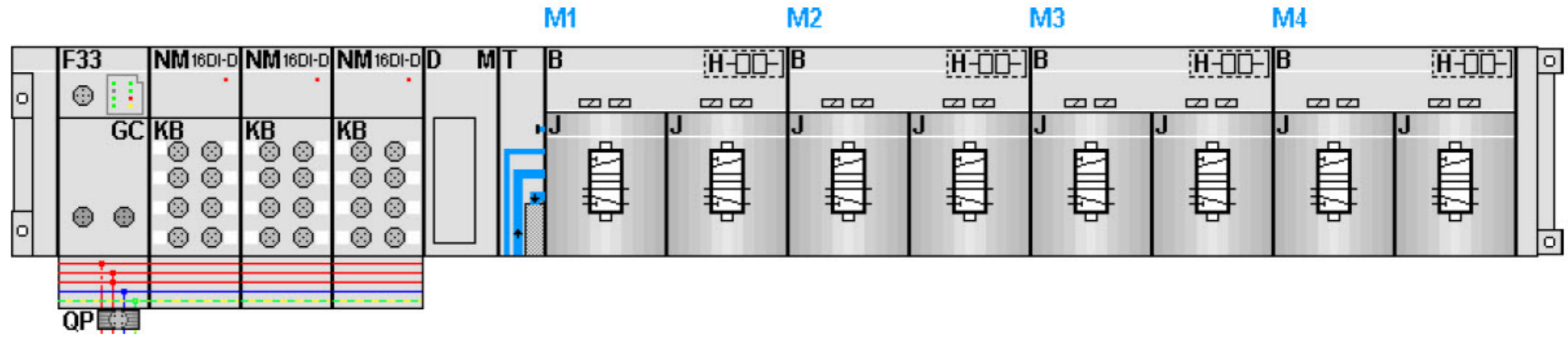
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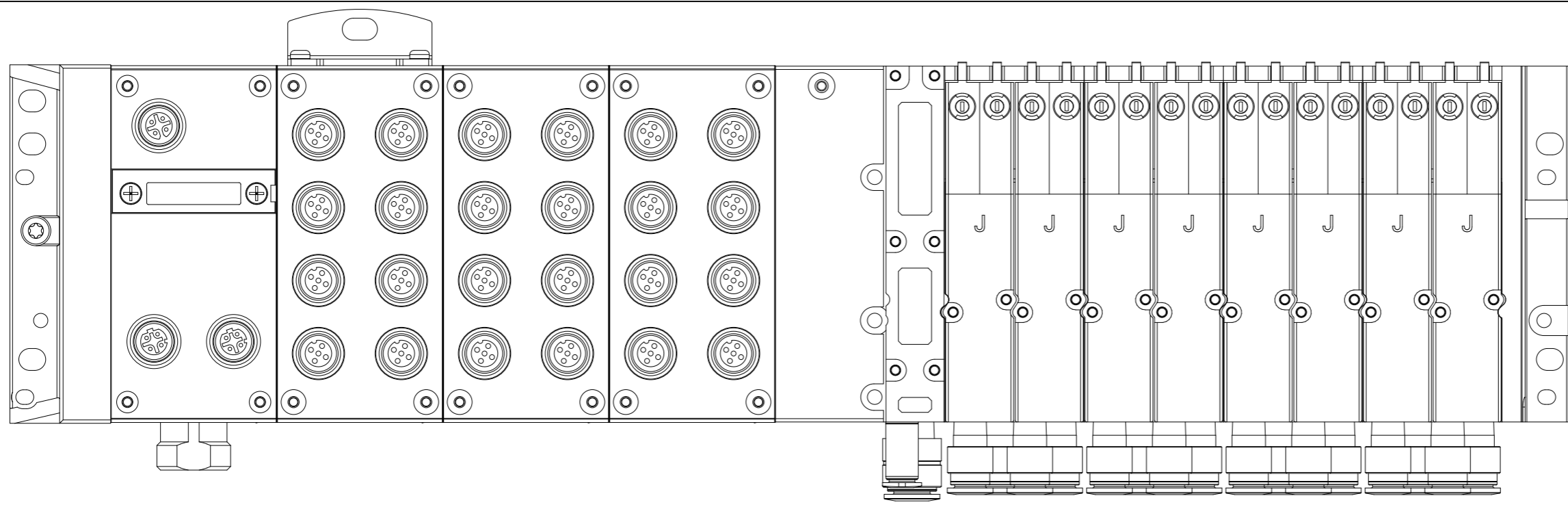
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Appr.				Replacement of		Replaced by				Page		1	
Modification		Date		Name		Original				Page		227	



		Date	12/21/2022	Volvo Trucks North America			Valiant TMS	AIR SUPPLY GRIPPER	Drawing name:		= V1AR11UQ41KF1
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Modification	Date	Name	Original						MFS	22-16151	1
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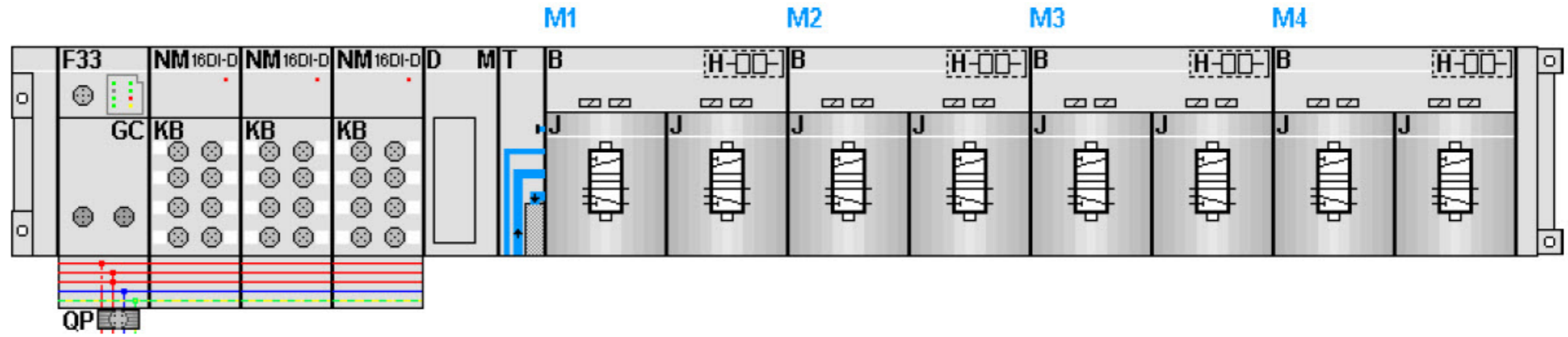
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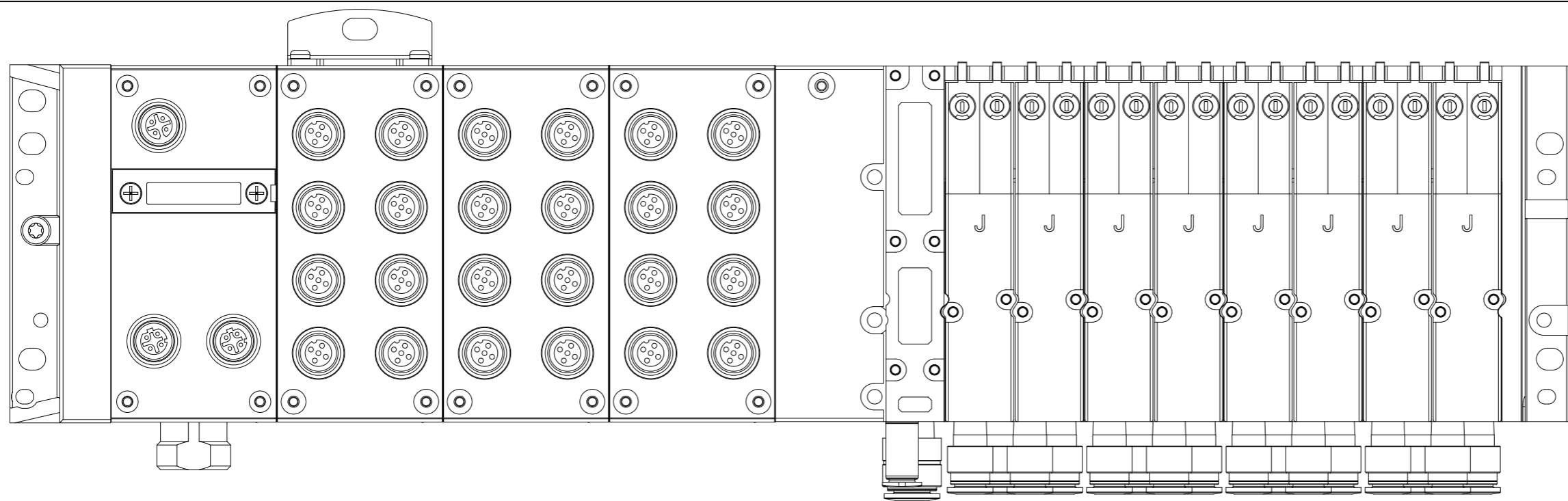
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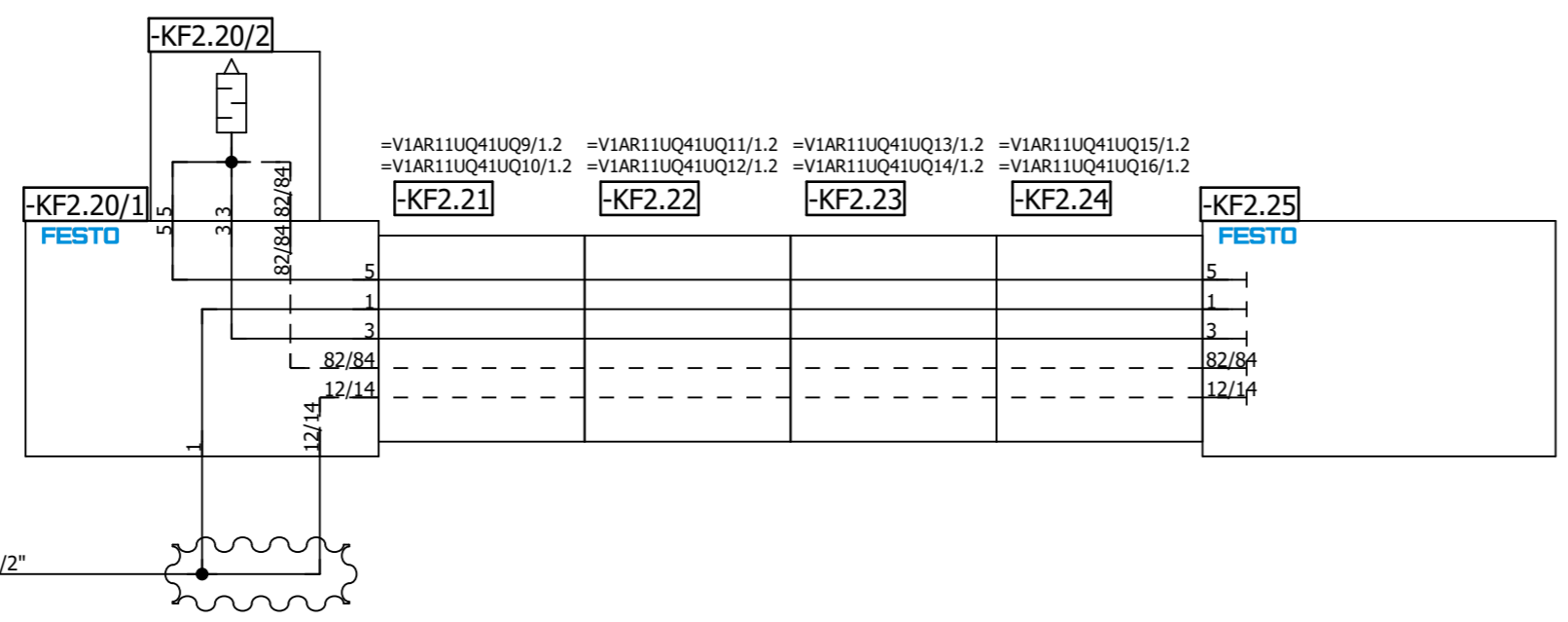
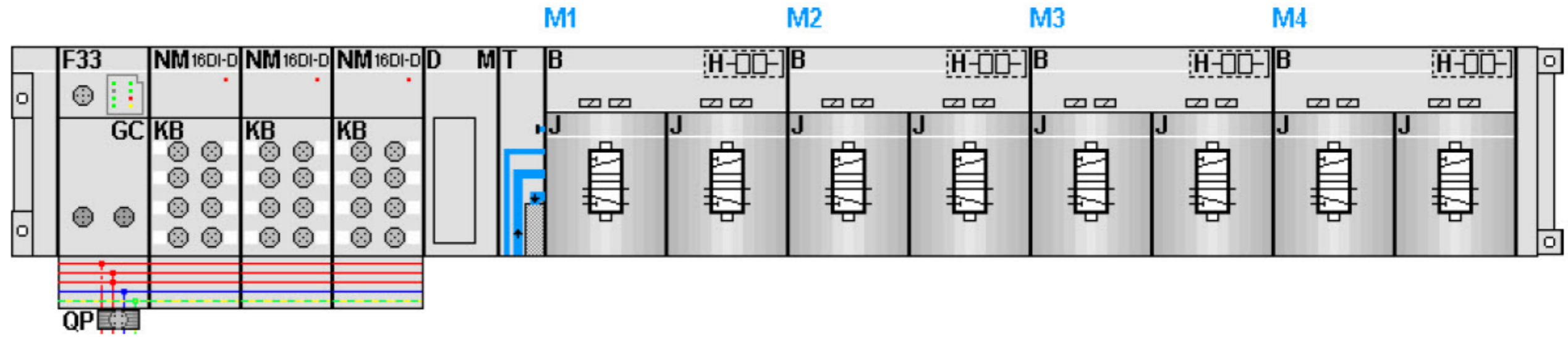


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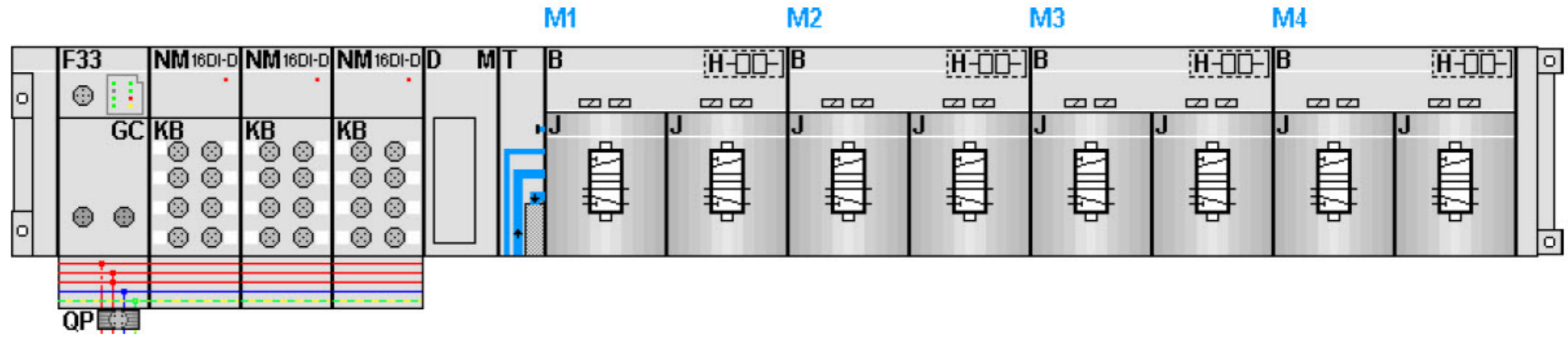


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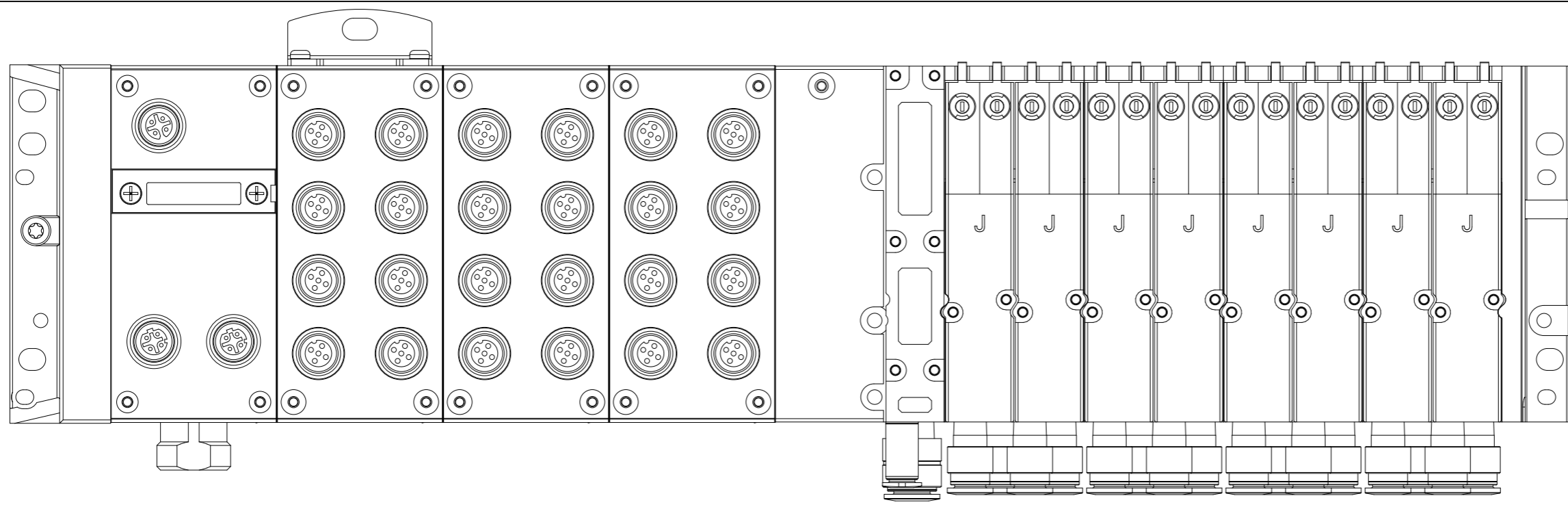
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Modification	Date	Name	Original									Page	5
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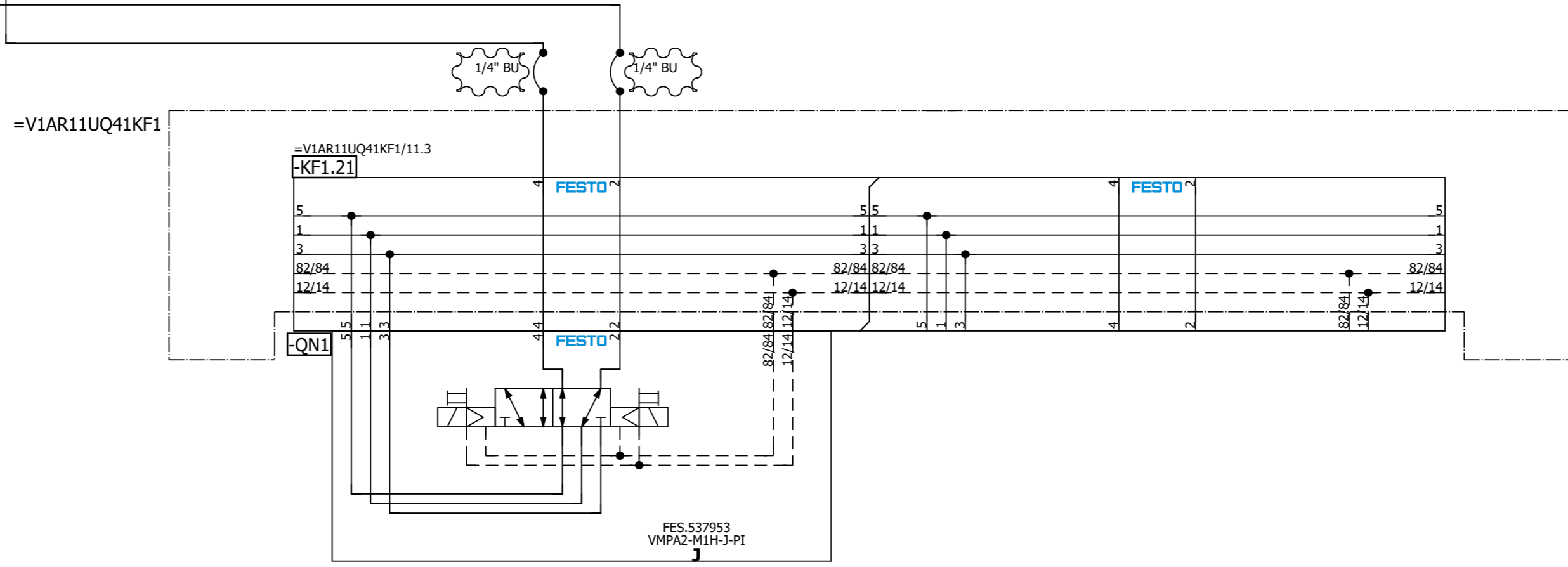
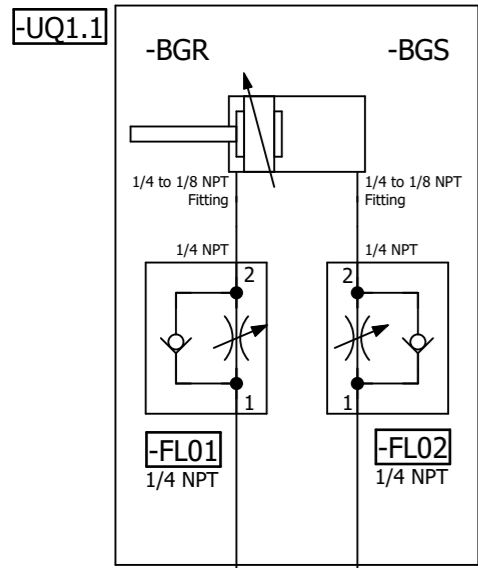


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Modification	Date	Name	Original						MFS	22-16151	Page	5
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Common  
Shot Pins (RST)

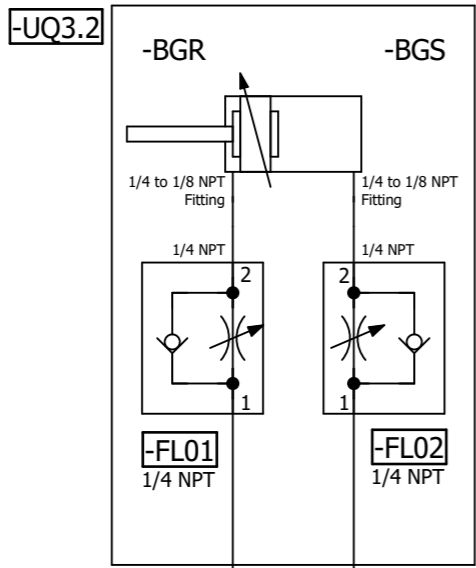
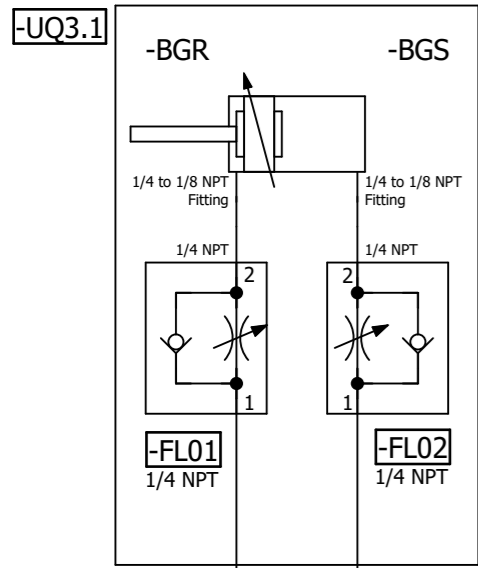
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Shot Pins (SET)

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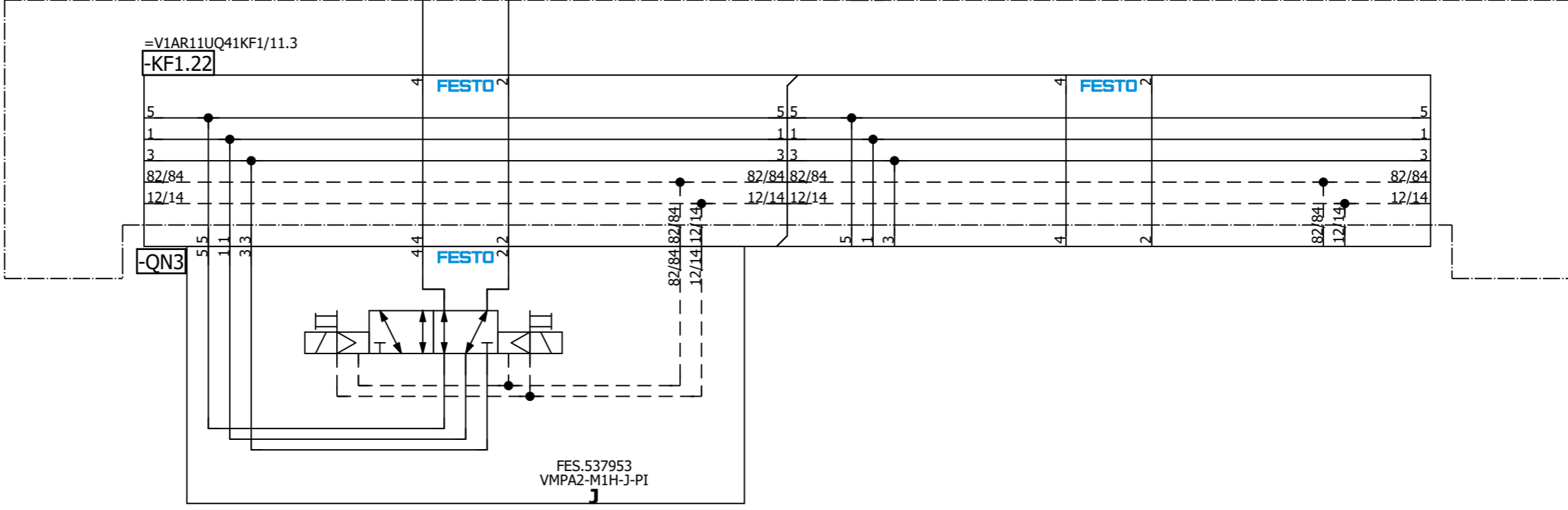
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Modification		Date		Name		Original				MFS		Page 1	
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=V1AR11UQ41KF1



**=V1AR11UQ41**  
**-UQ3-QN3.1**  
**L150 Model**  
**Shot Pins (RST)**

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**-UQ3-QN3.2**  
**L150 Model**  
**Shot Pins (SET)**

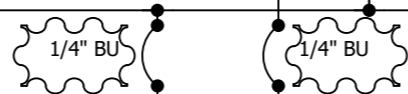
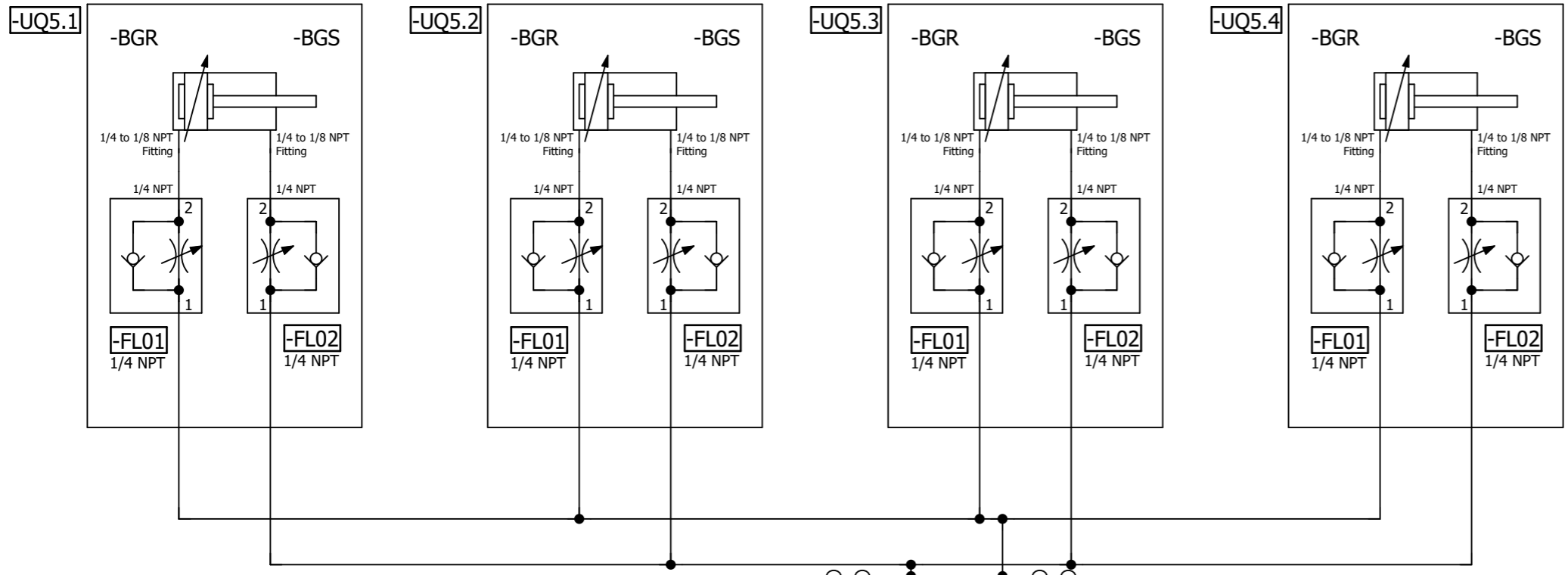
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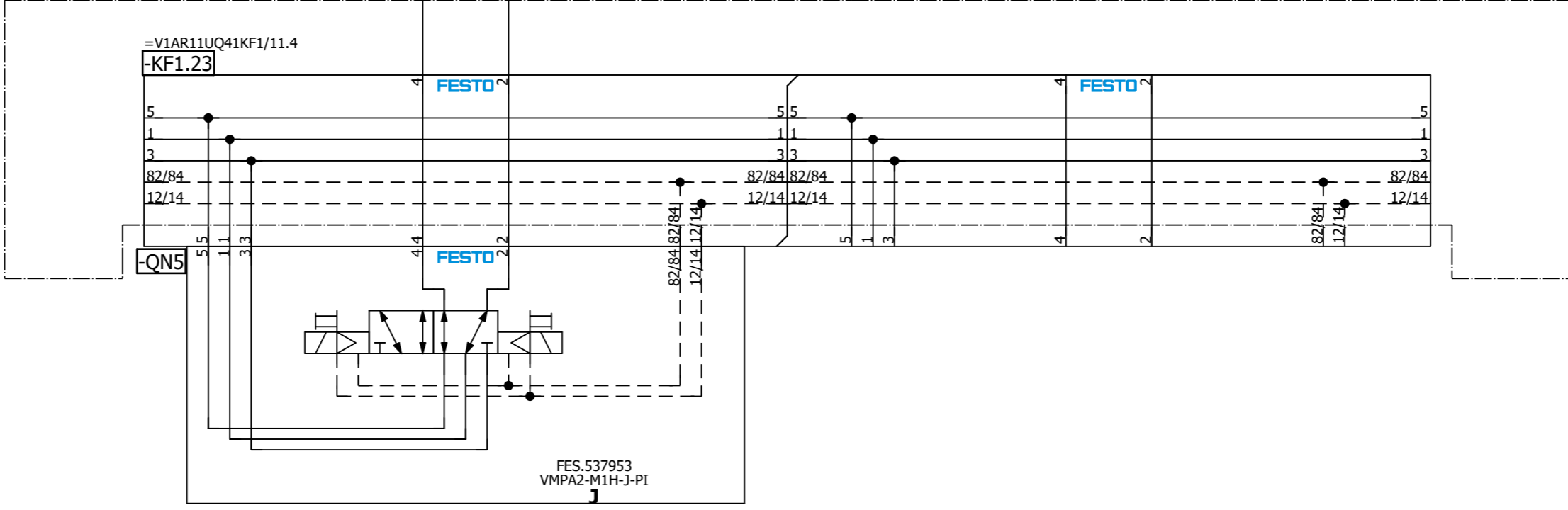
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Common  
Clamps 2 (RST)

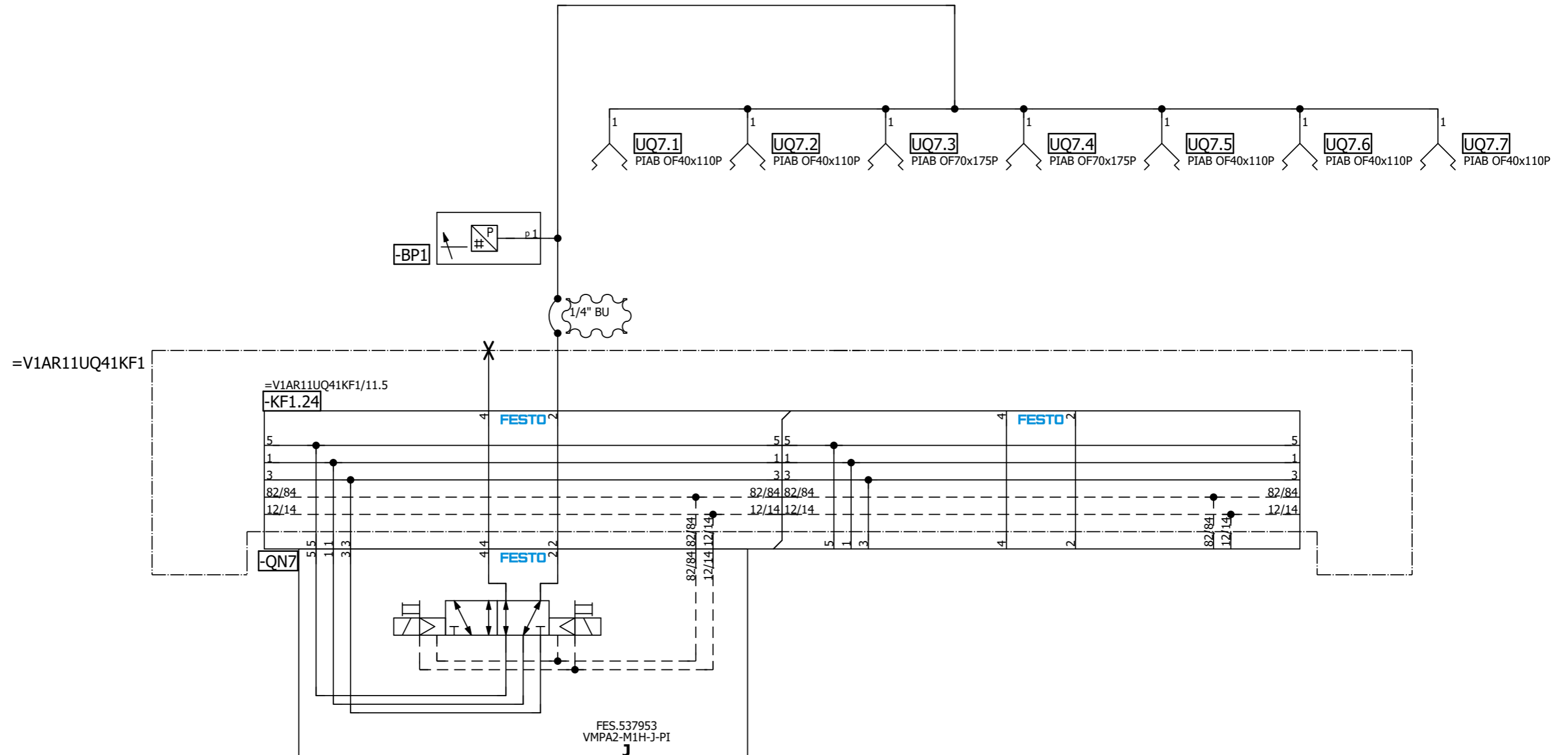
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Clamps 2 (SET)

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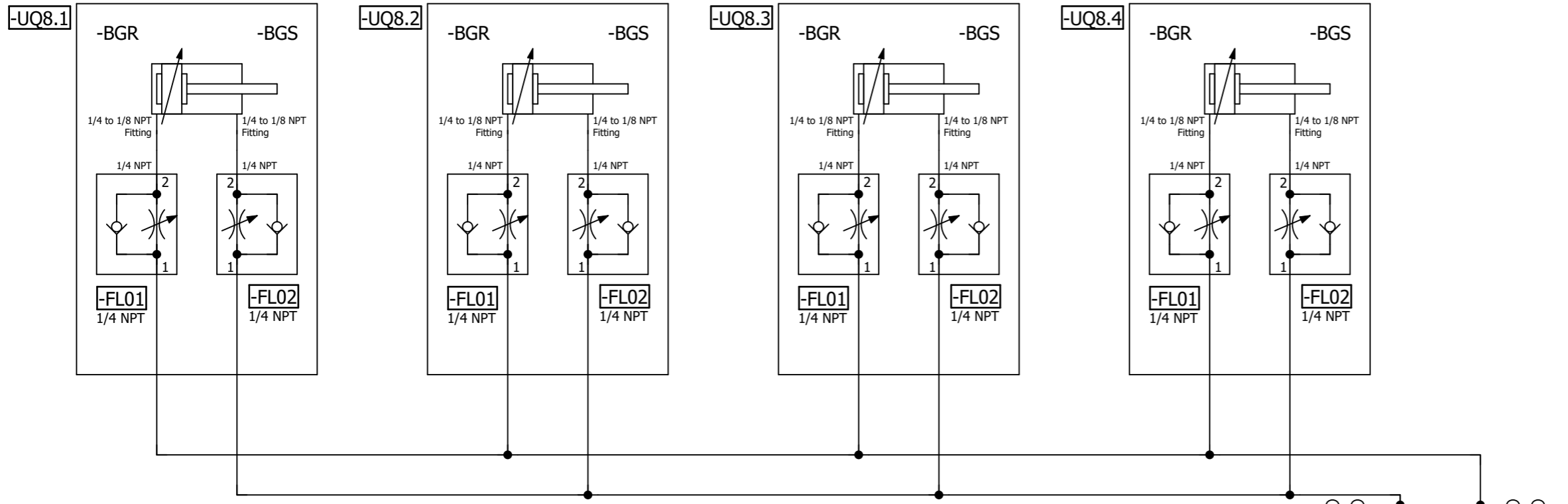
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Vacuums (RST)

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Common  
Vacuums (SET)

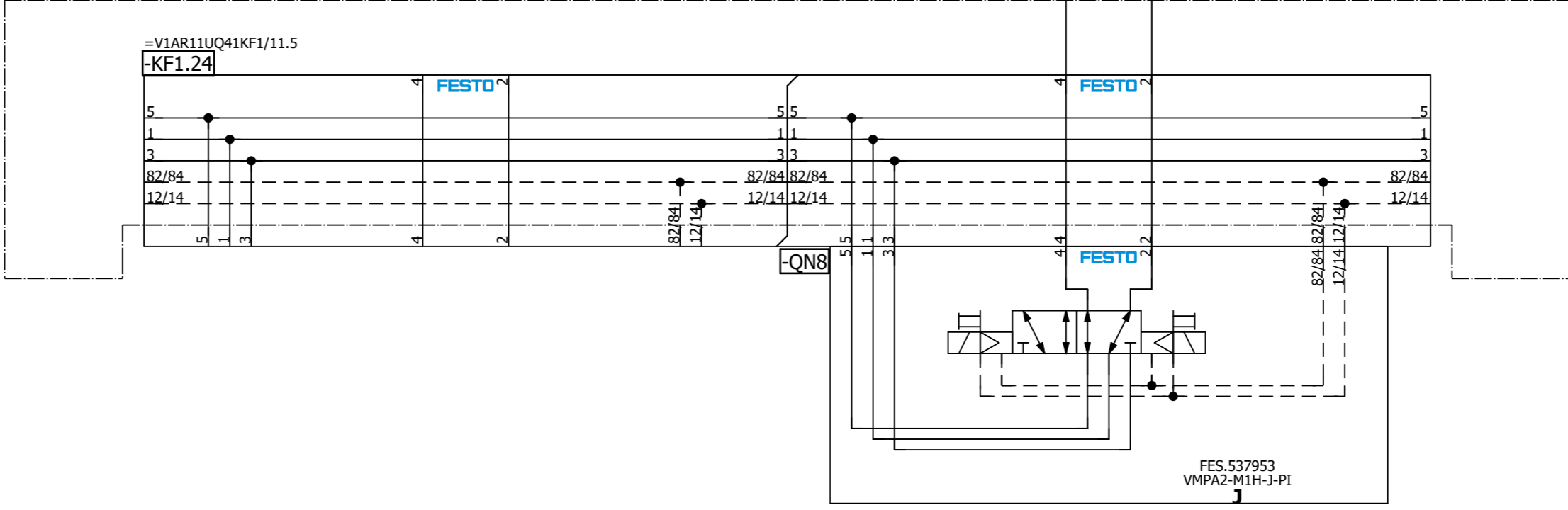
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Modification		Date		Name		Original				MFS		Page 1	
										22-16151		227	



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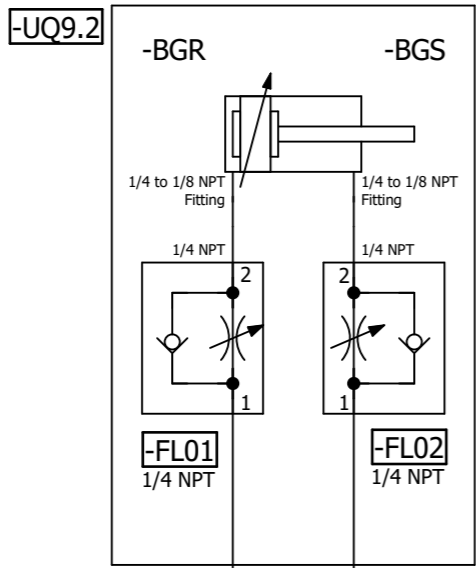
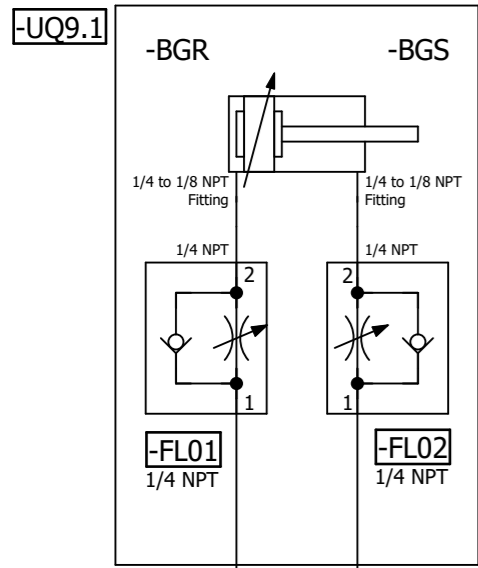
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Common  
Clamps 4 (RST)

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Common  
Clamps 4 (SET)

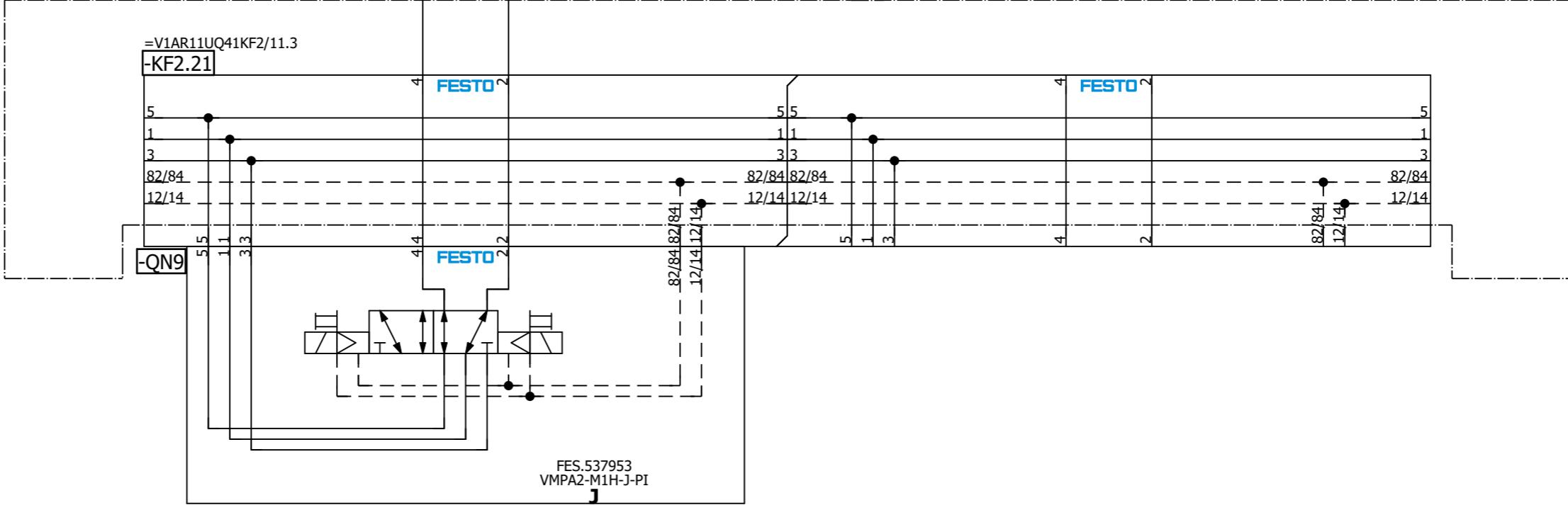
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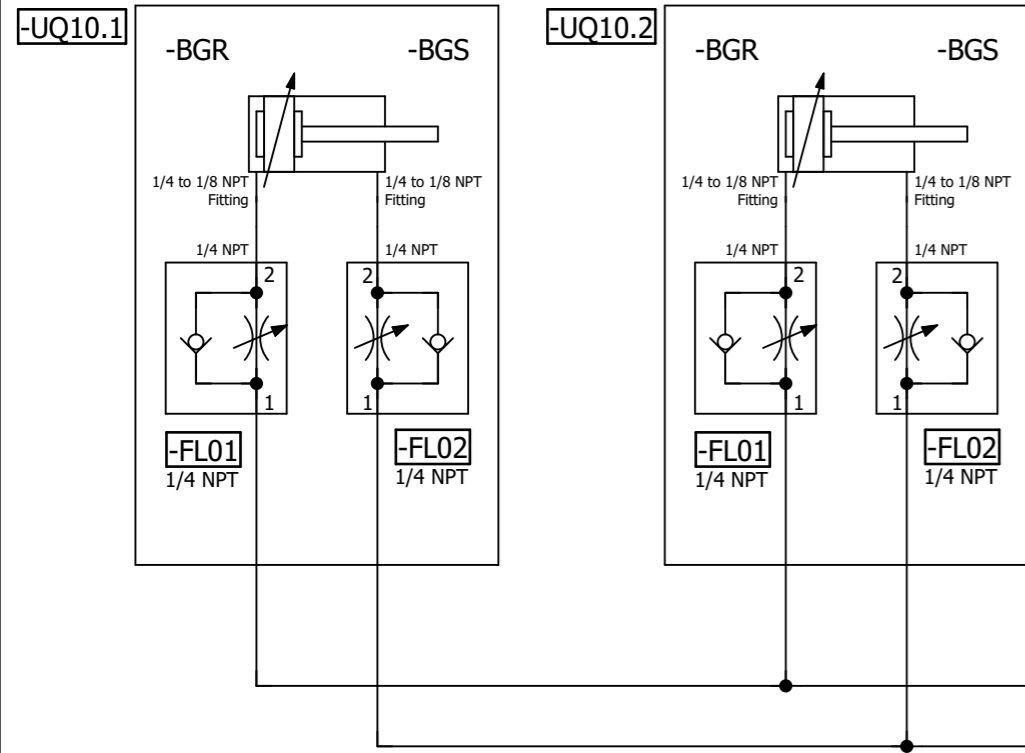
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L230/290/320  
Clamps (RST)

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L230/290/320  
Clamps (SET)

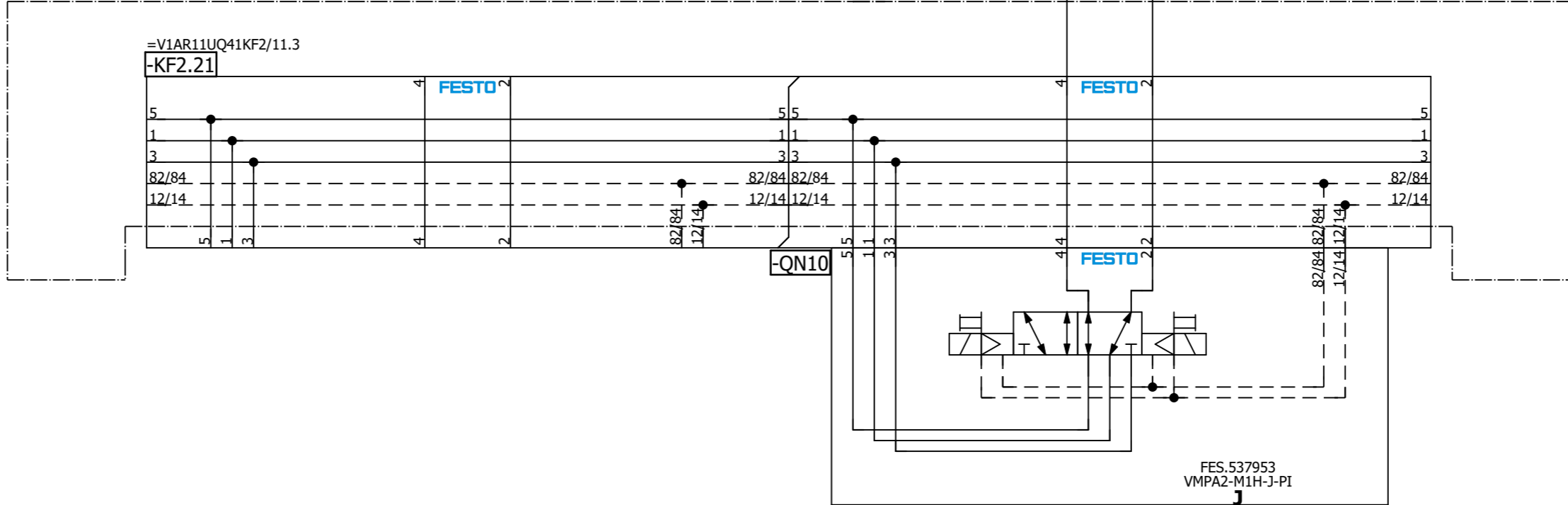
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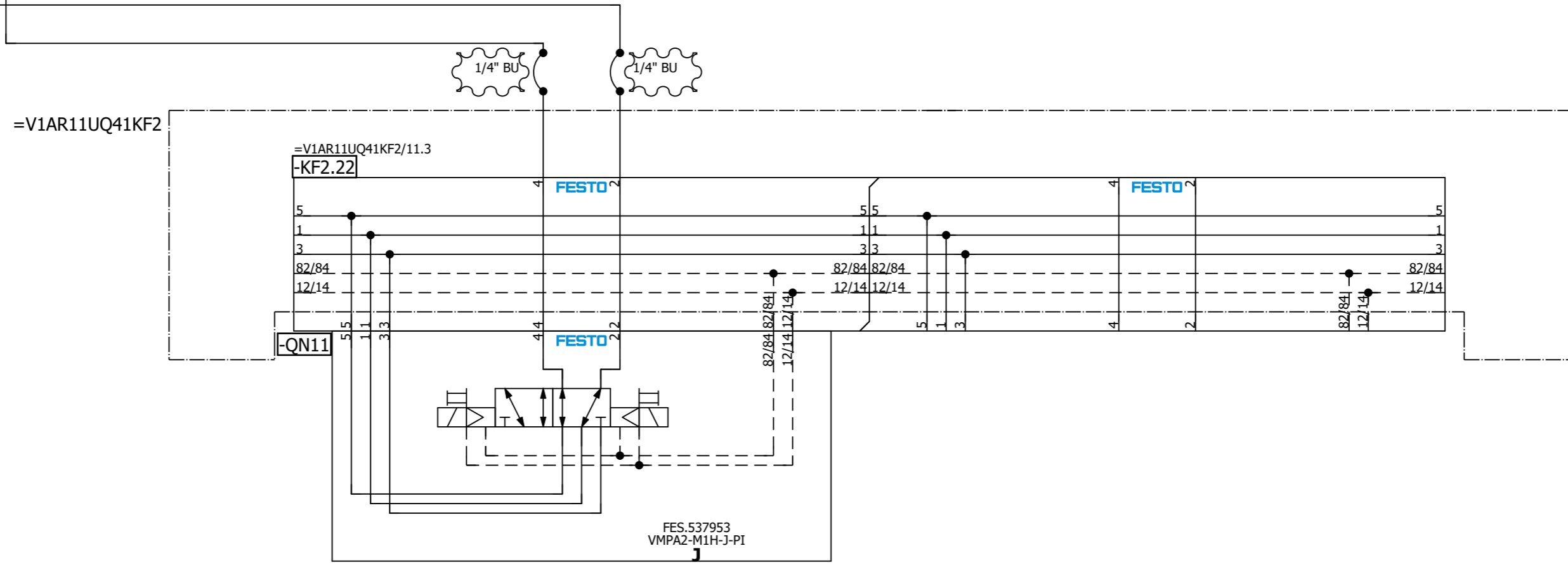
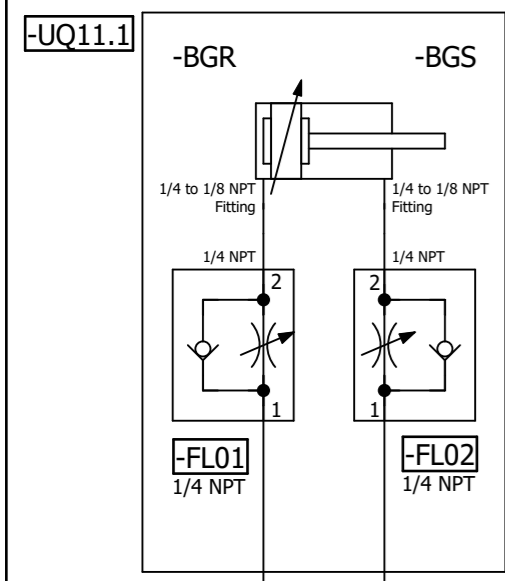
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L230/320 Model  
Clamps (RST)

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L230/320 Model  
Clamps (SET)

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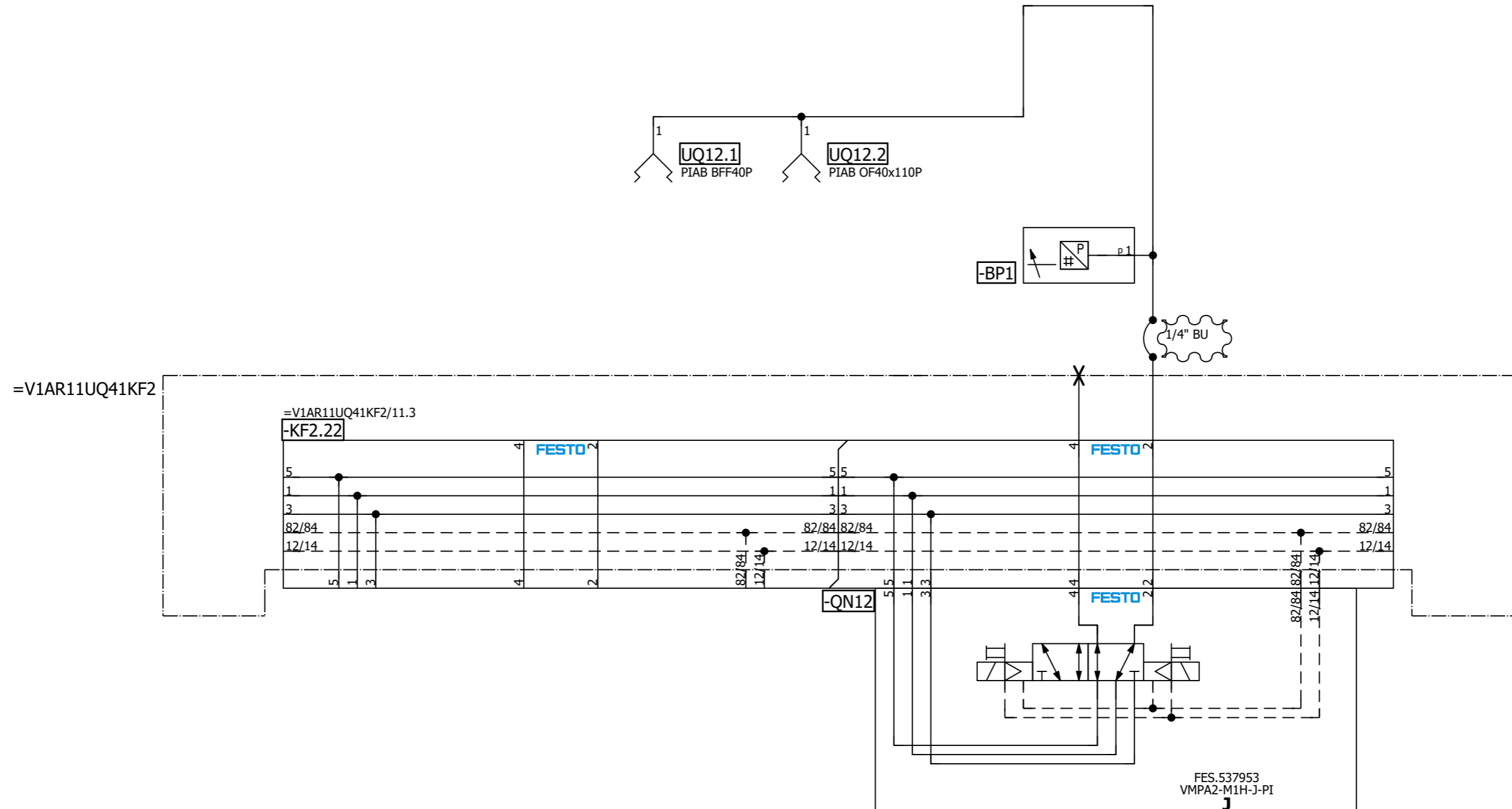
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L230 Model  
Clamp 1 (SET)**

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L230 Model  
Vacuums (RST)

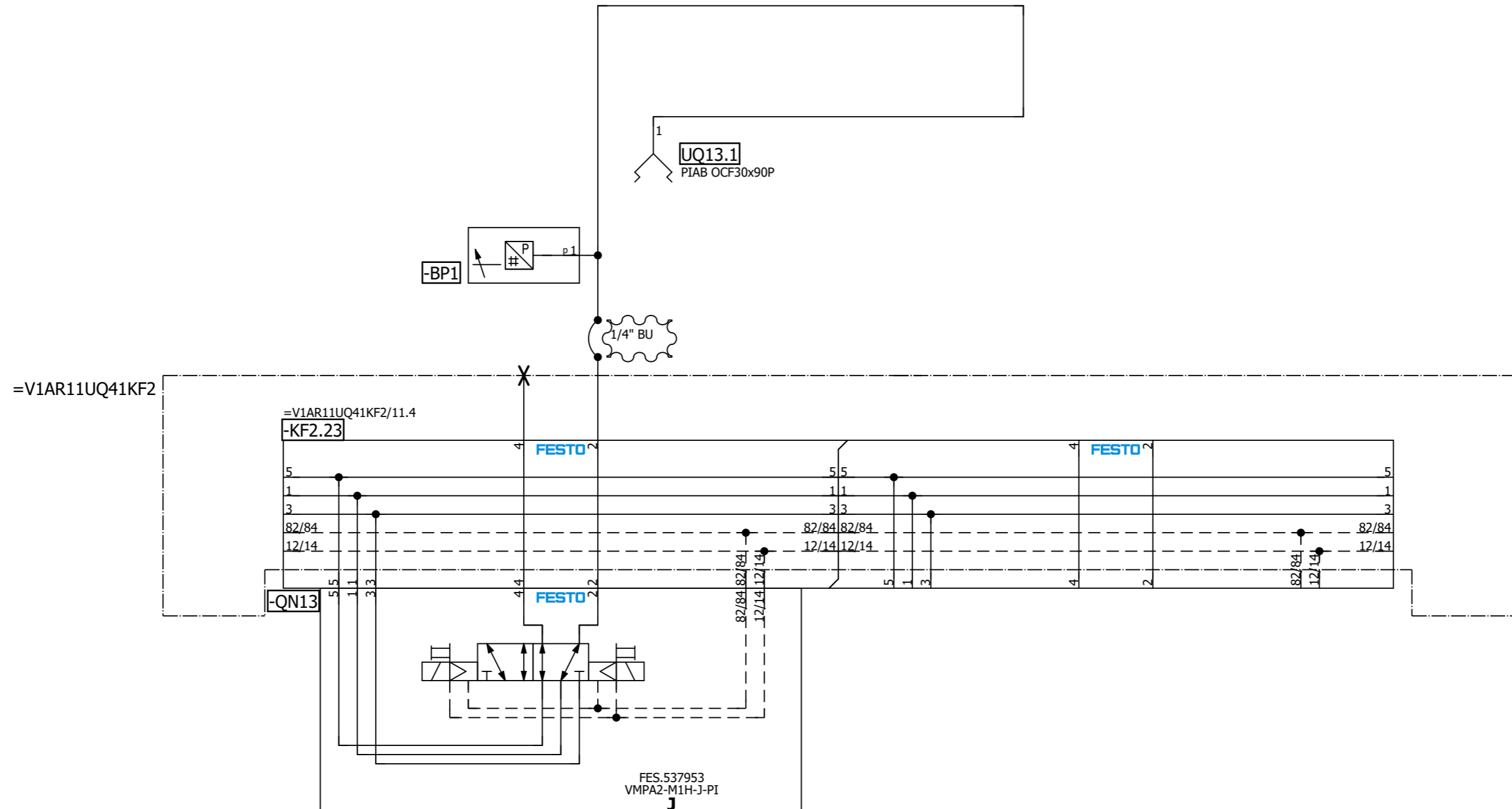
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L230 Model  
Vacuums (SET)

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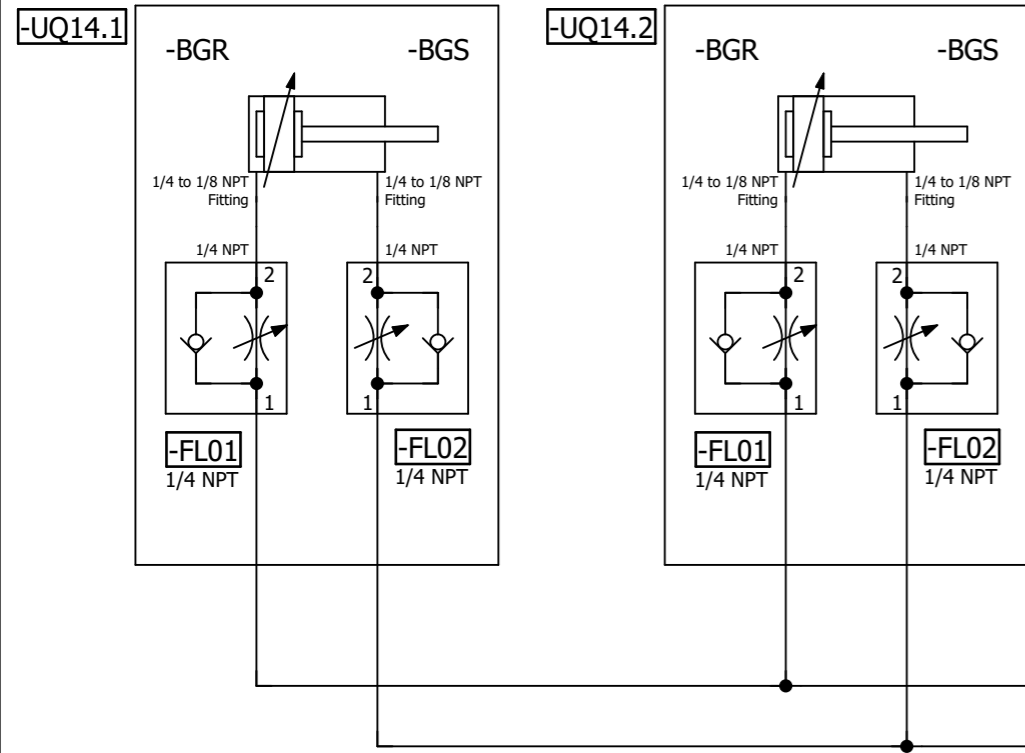
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Vacuum (RST)

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L230/290/320  
Vacuum (SET)

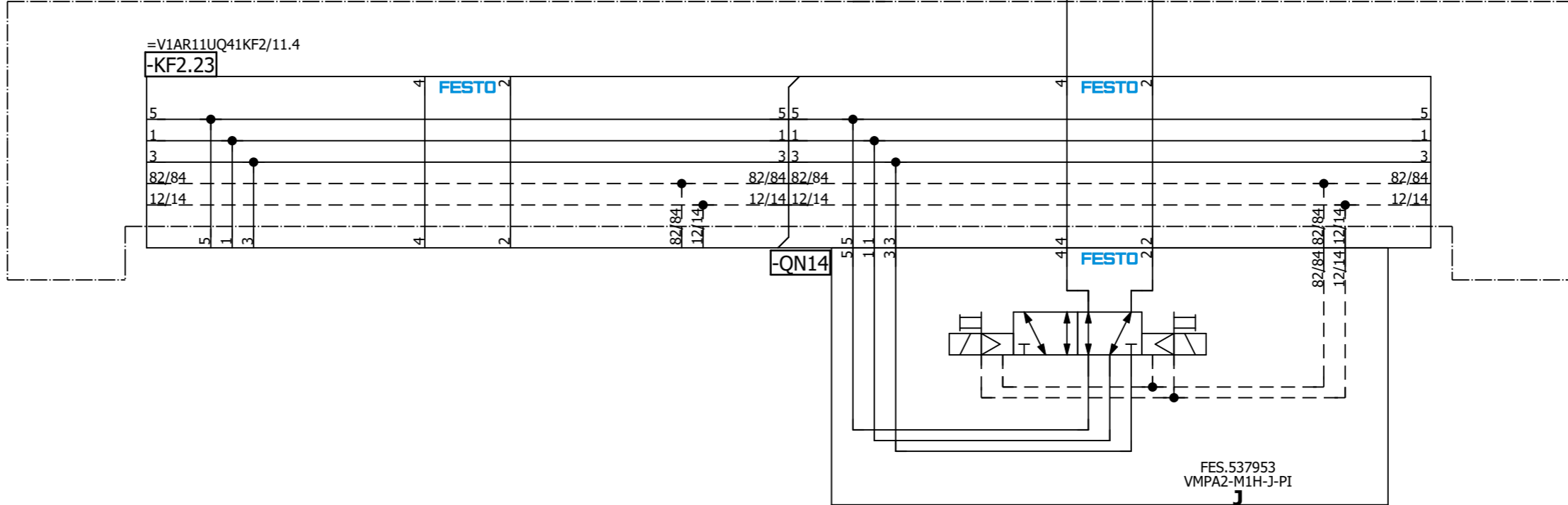
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Modification		Date		Name		Original				MFS		Page 1	
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L230 Model  
Clamps 2 (RST)

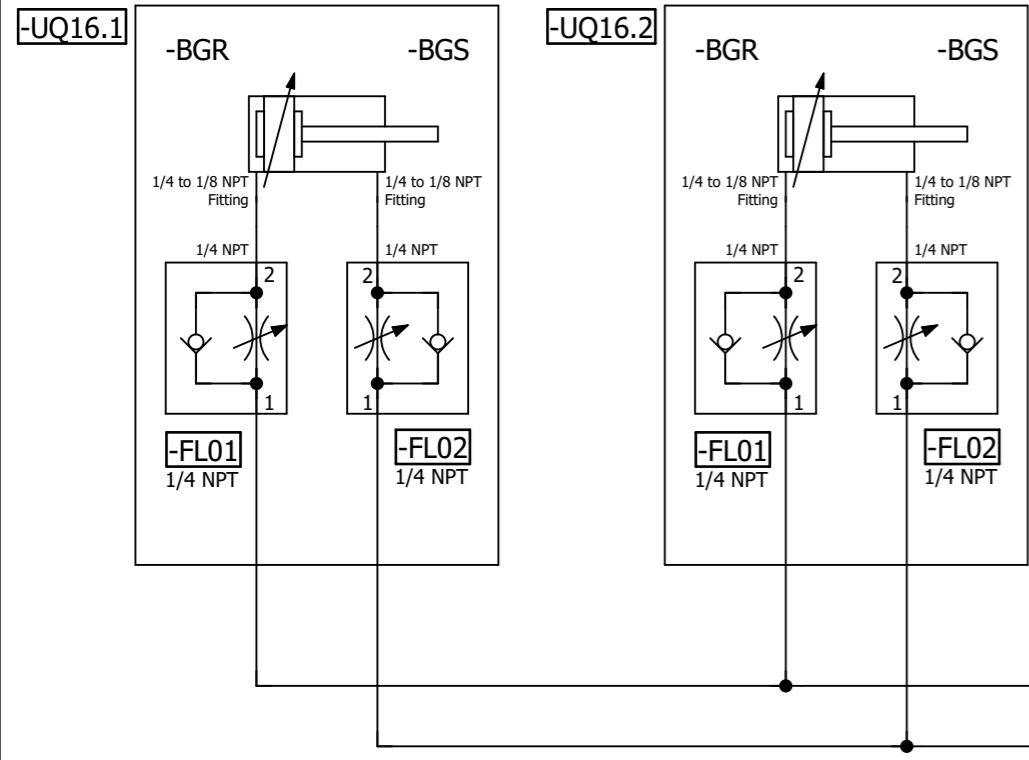
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Clamps 2 (SET)

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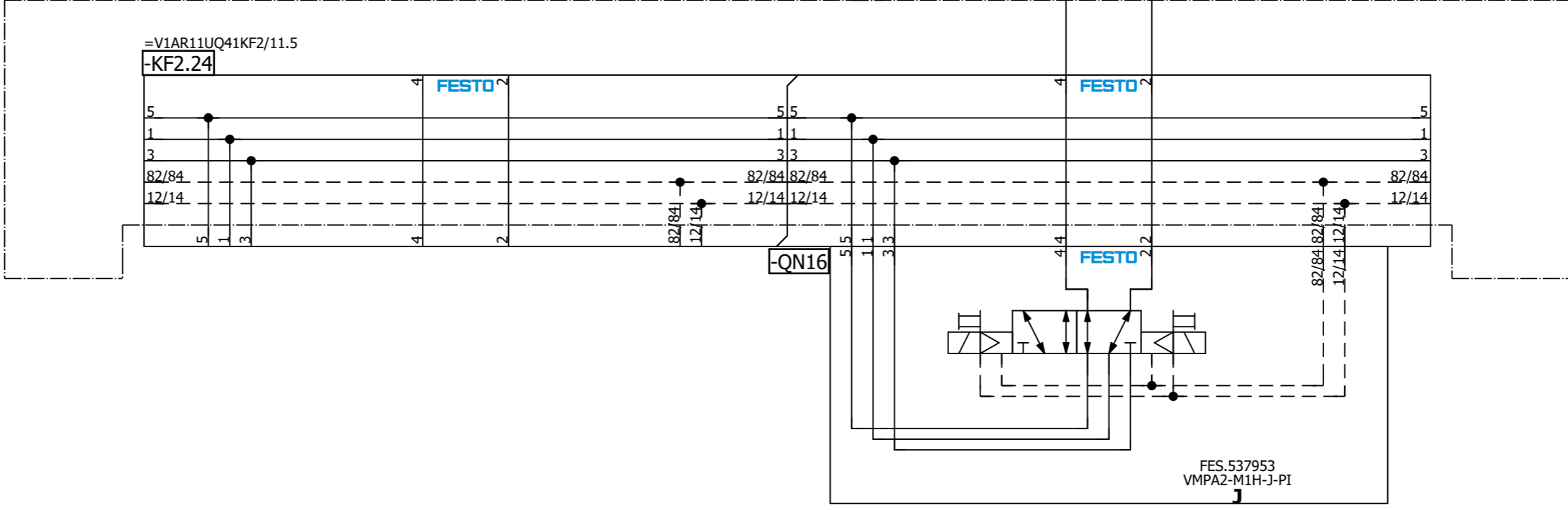
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L290/320 Model  
Clamps (RST)

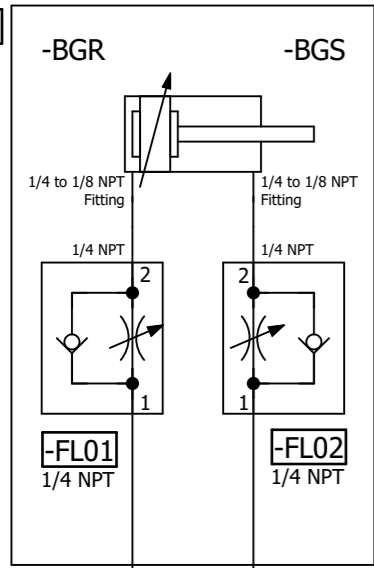
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Clamps (SET)

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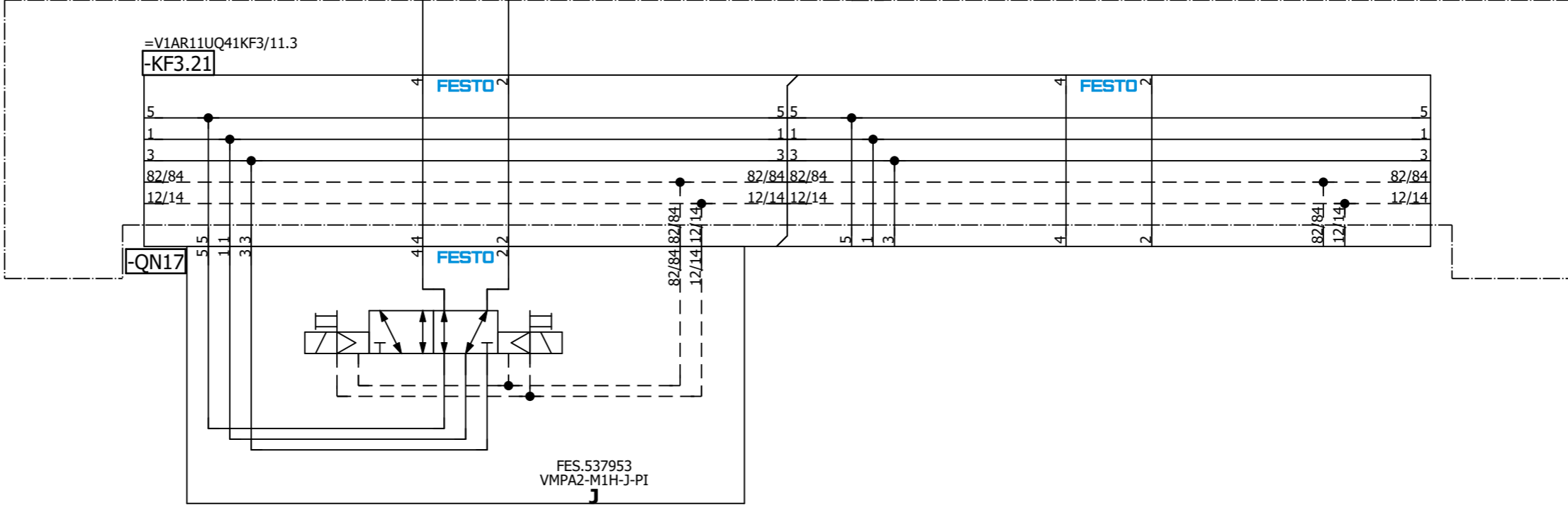
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L290 Model  
Clamp 2 (RST)**

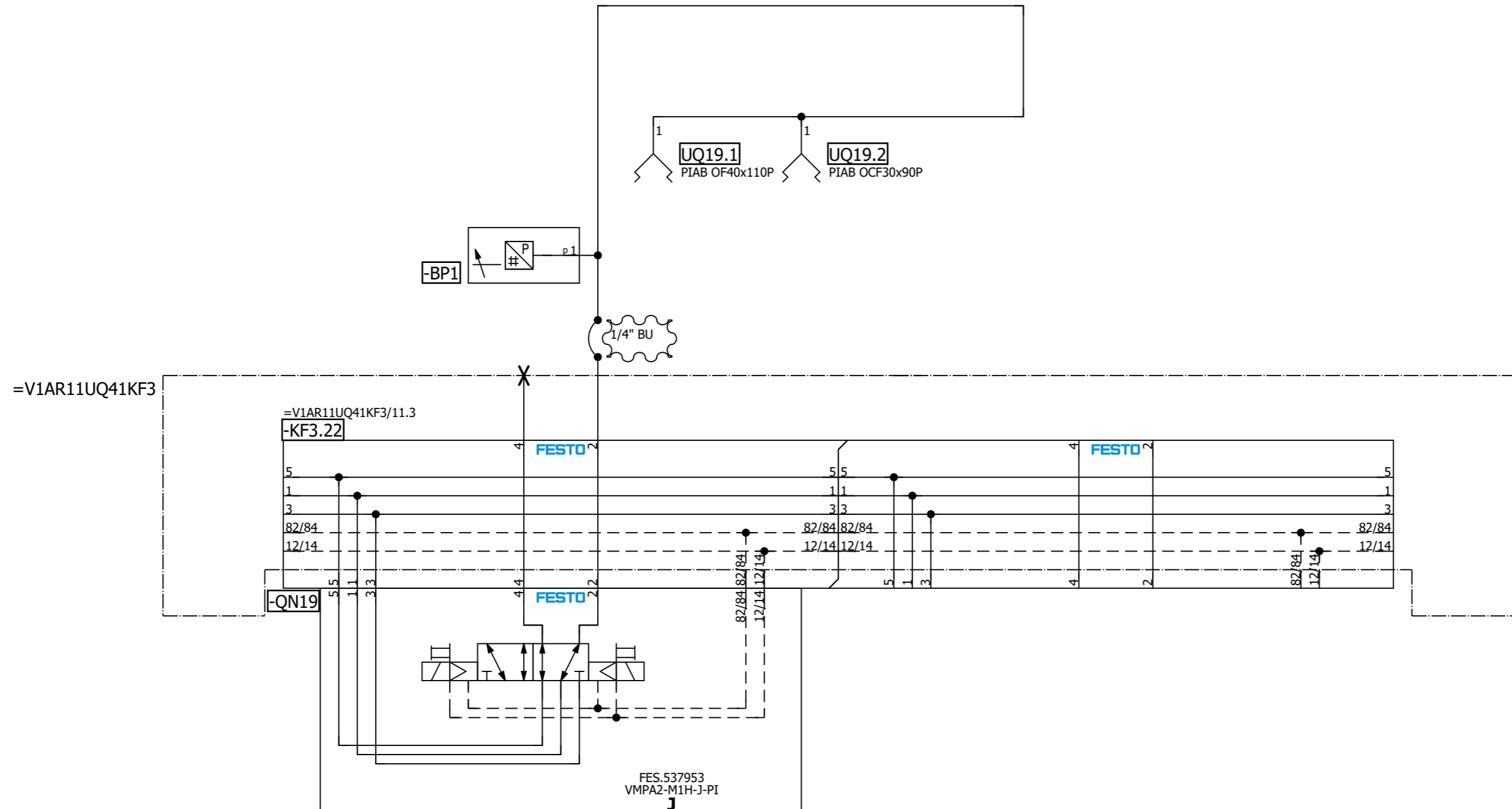
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Clamp 2 (SET)**

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Modification	Date	Name	Original							Page 227	





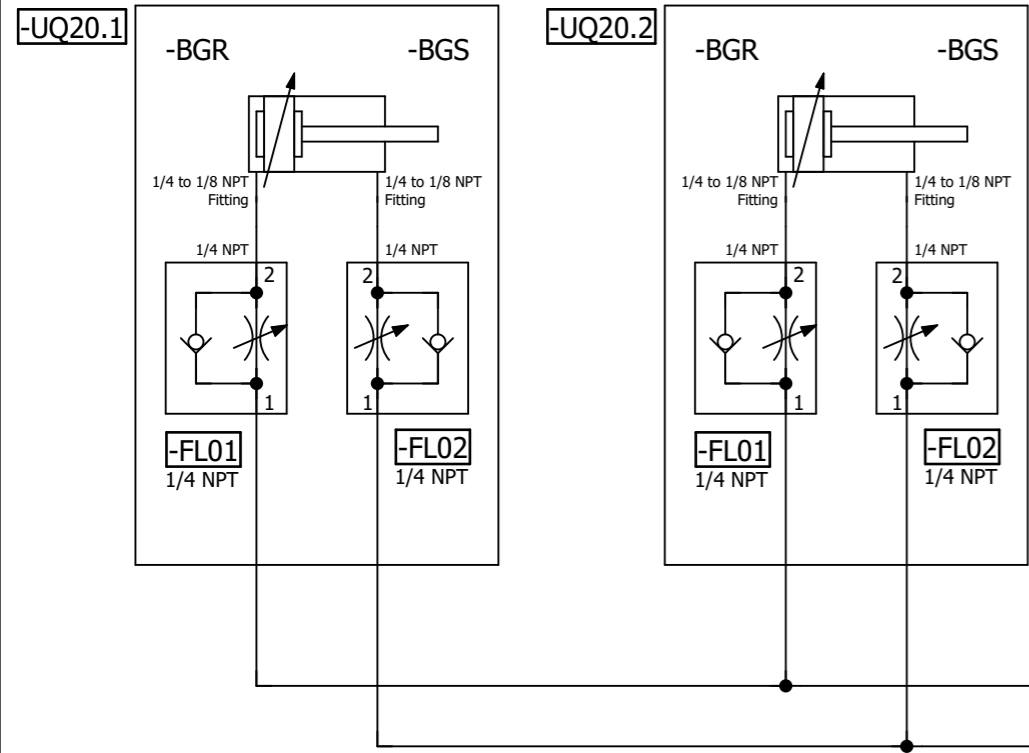
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L290/320 Model  
Vacuums (RST)

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L290/320 Model  
Vacuums (SET)

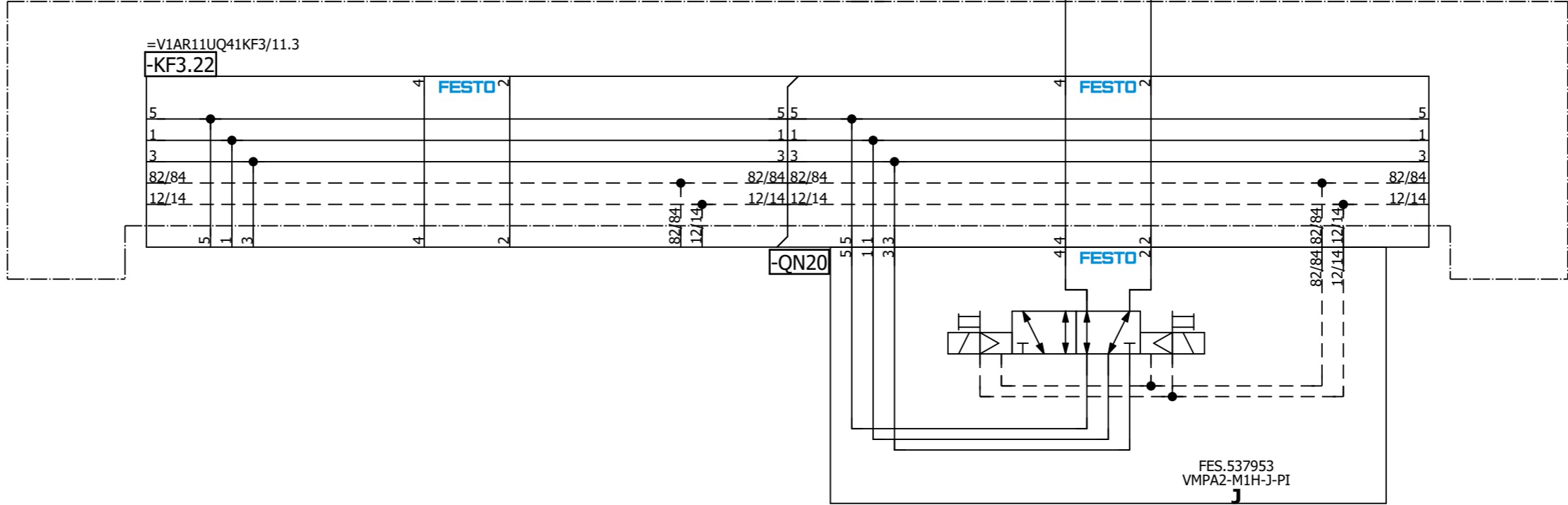
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Modification		Date		Name		Original				MFS		Page 1	
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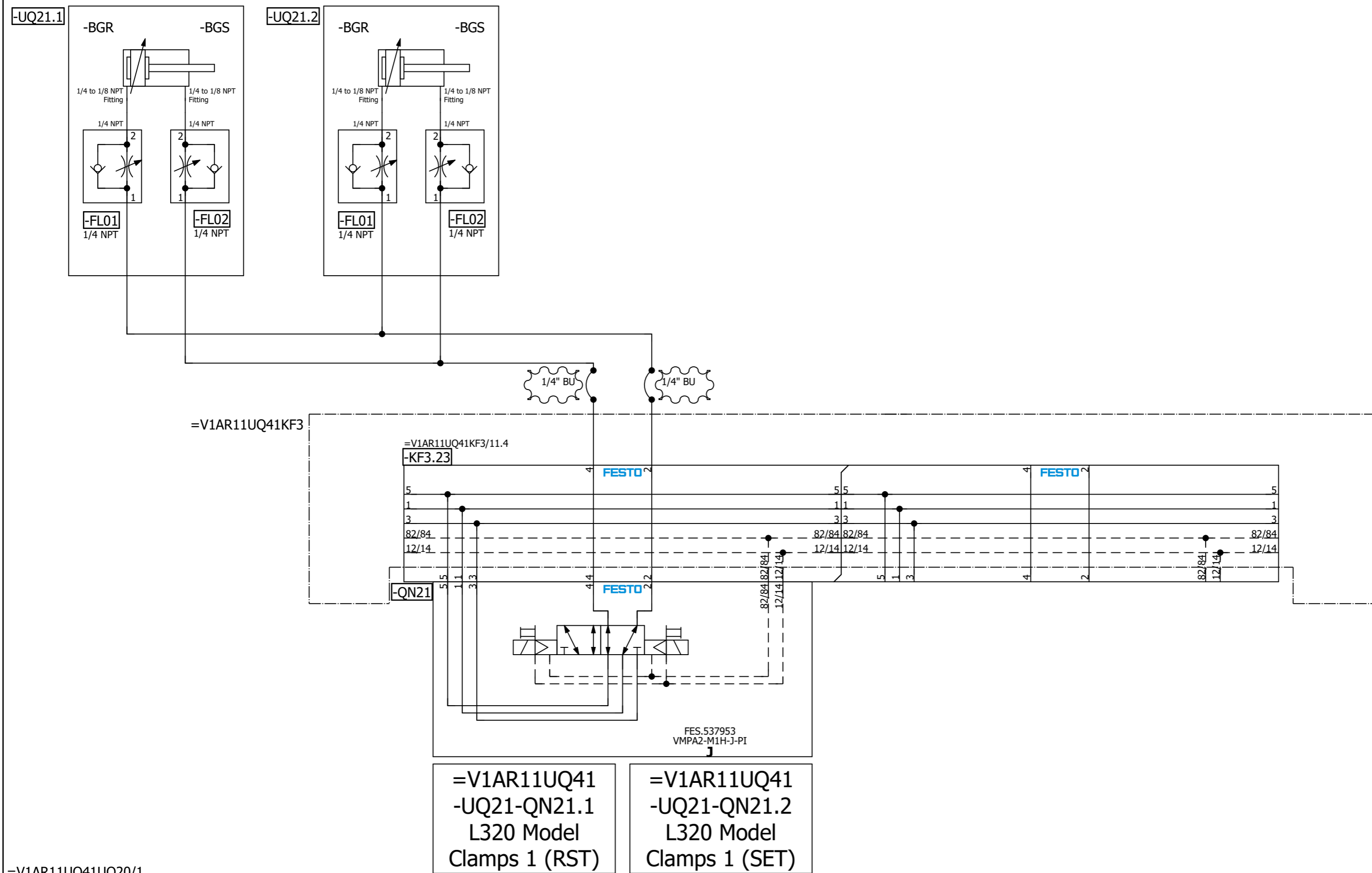
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L290 Model  
Clamps 3 (RST)

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L290 Model  
Clamps 3 (SET)

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Modification	Date	Name	Original	Replacement of	Replaced by							Page	1
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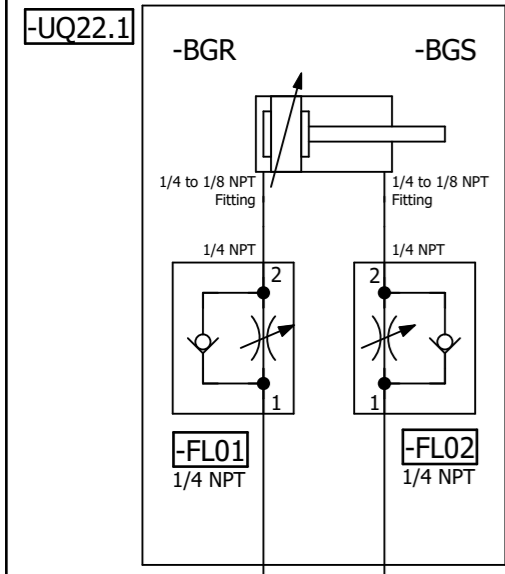
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**Clamps 1 (RST)**

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**L320 Model**  
**Clamps 1 (SET)**

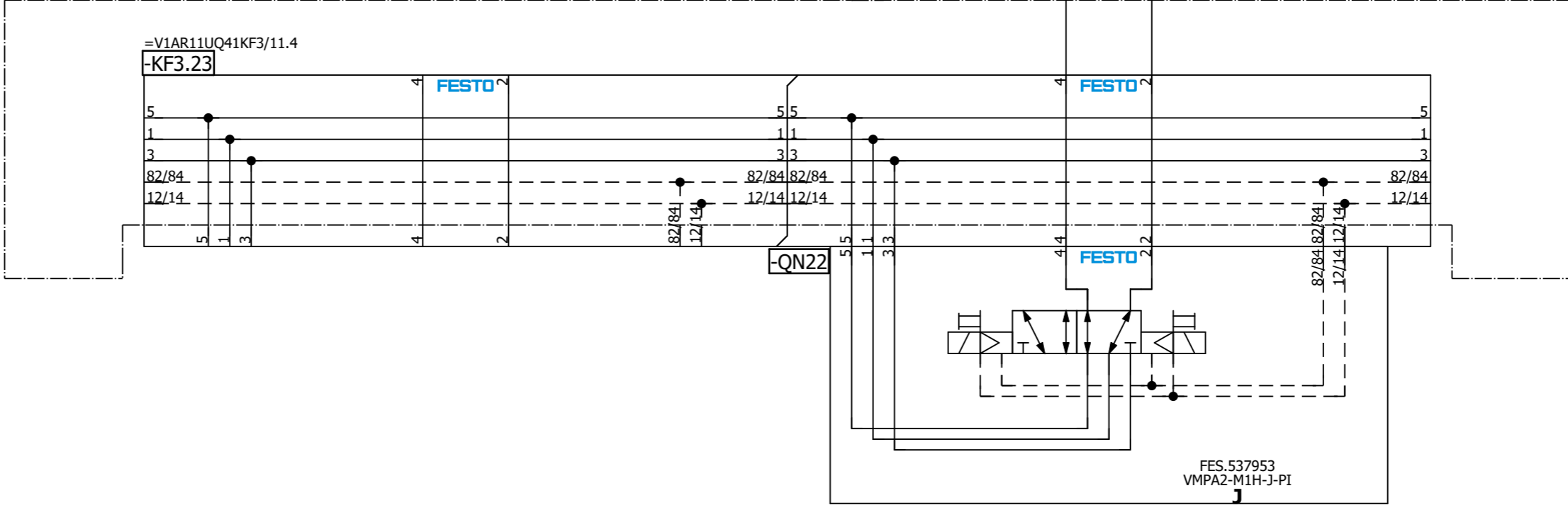
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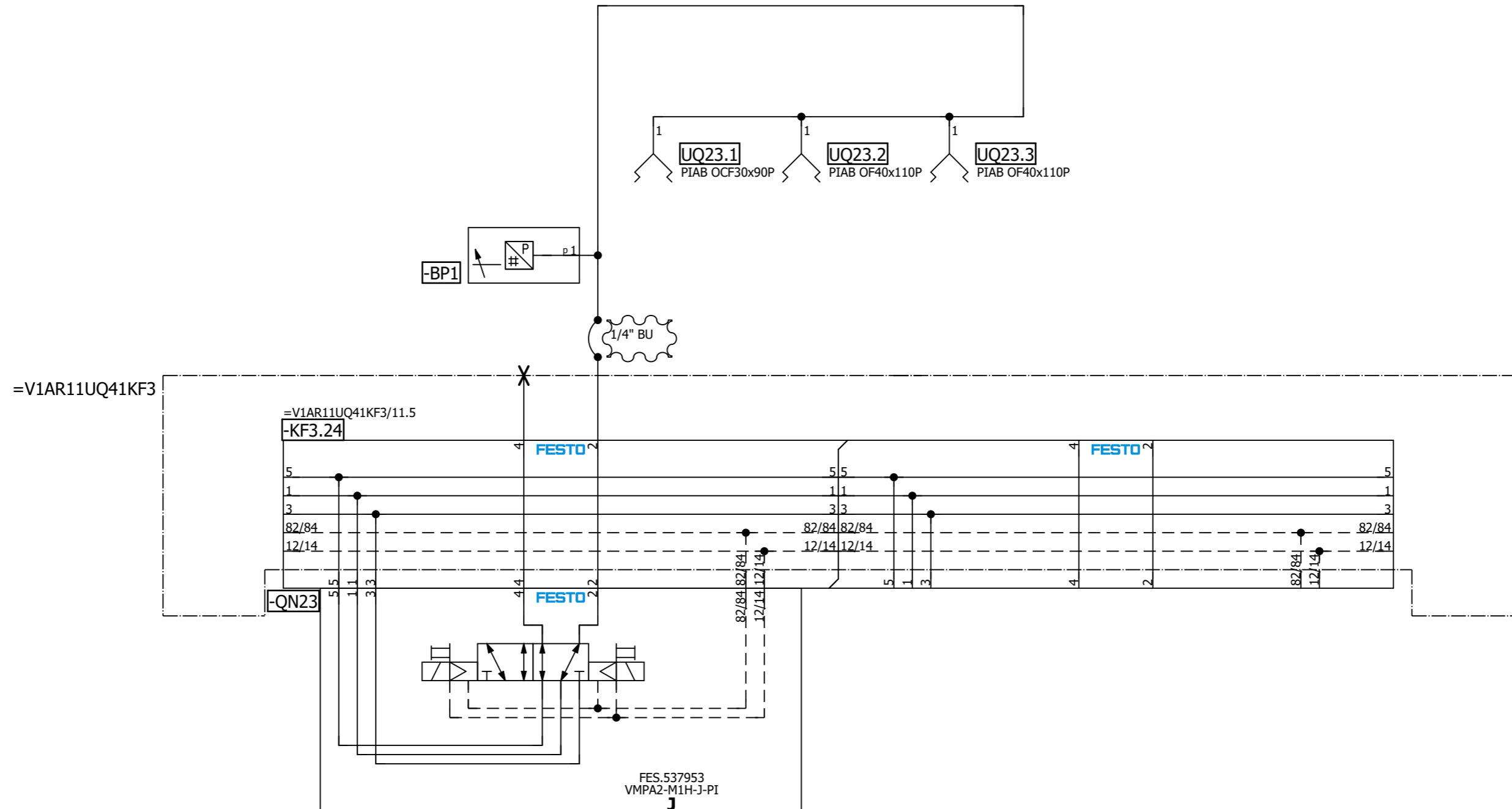
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Vacuums (RST)

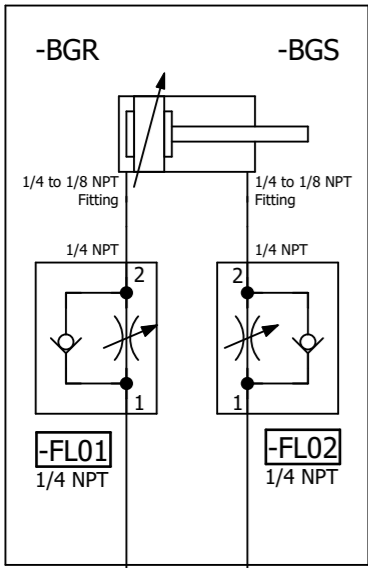
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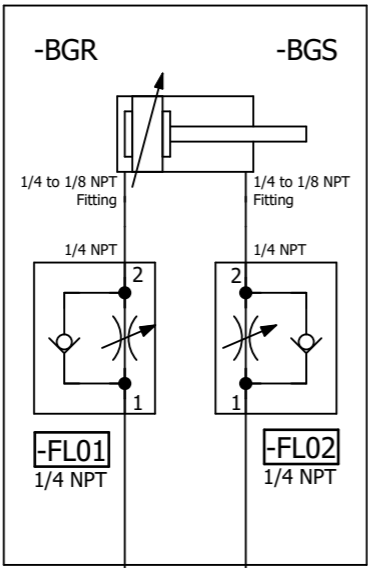
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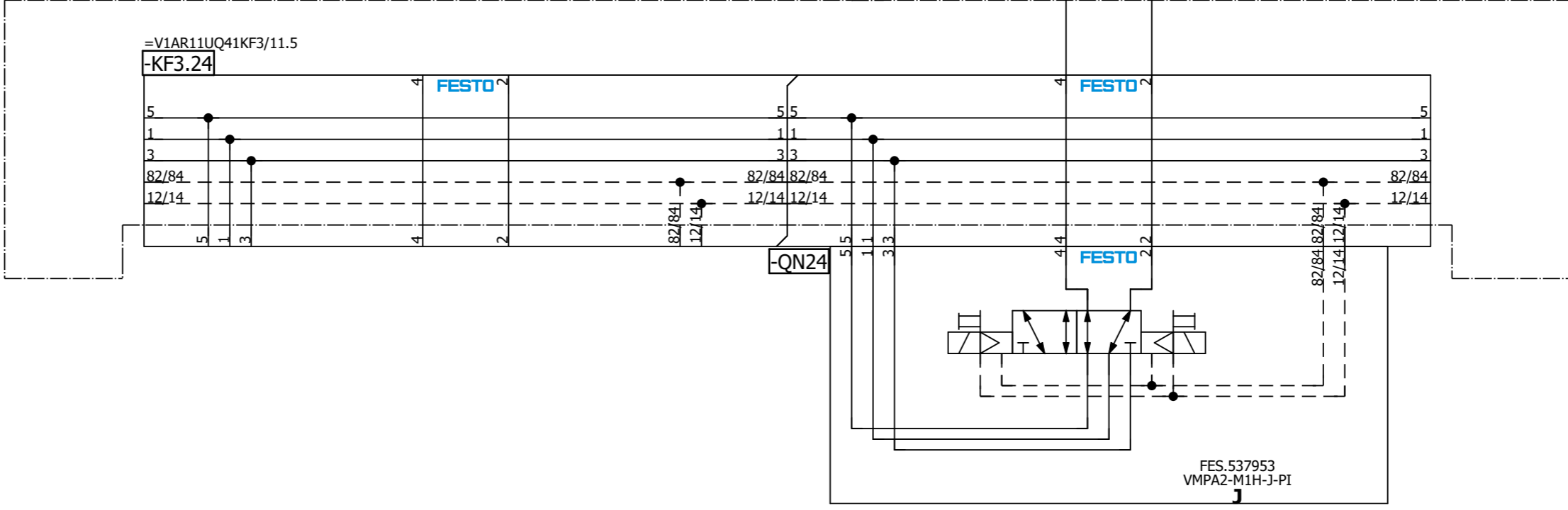
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Clamps 3 (RST)

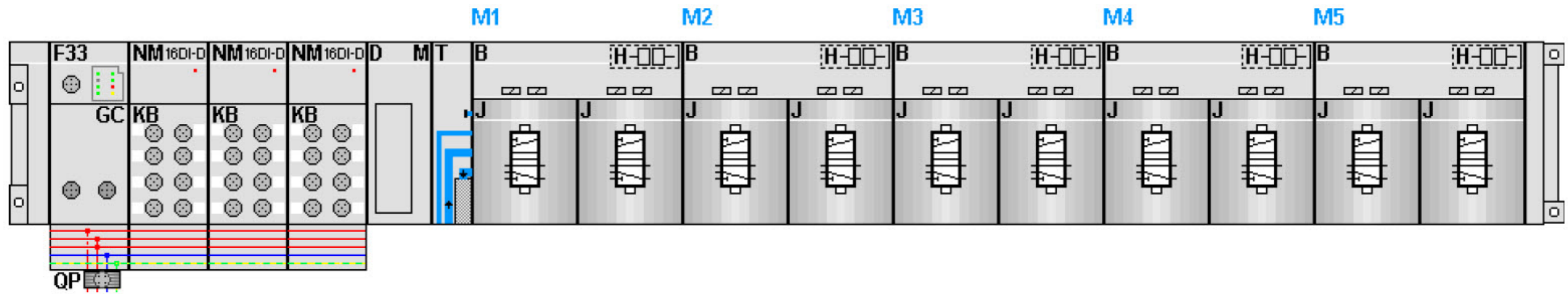
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Clamps 3 (SET)

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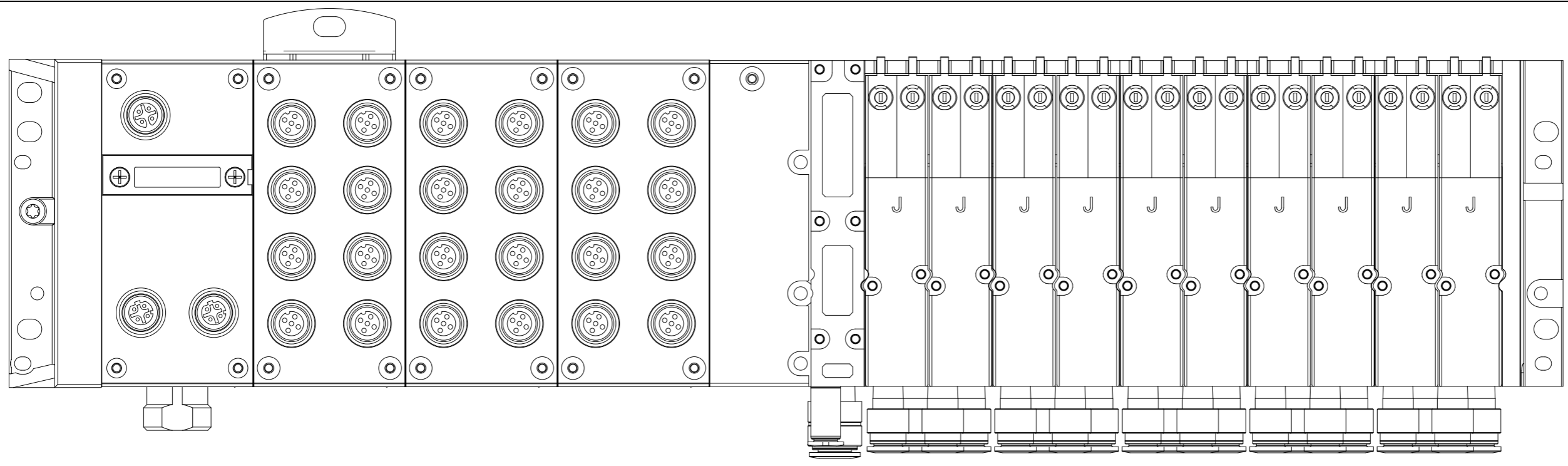
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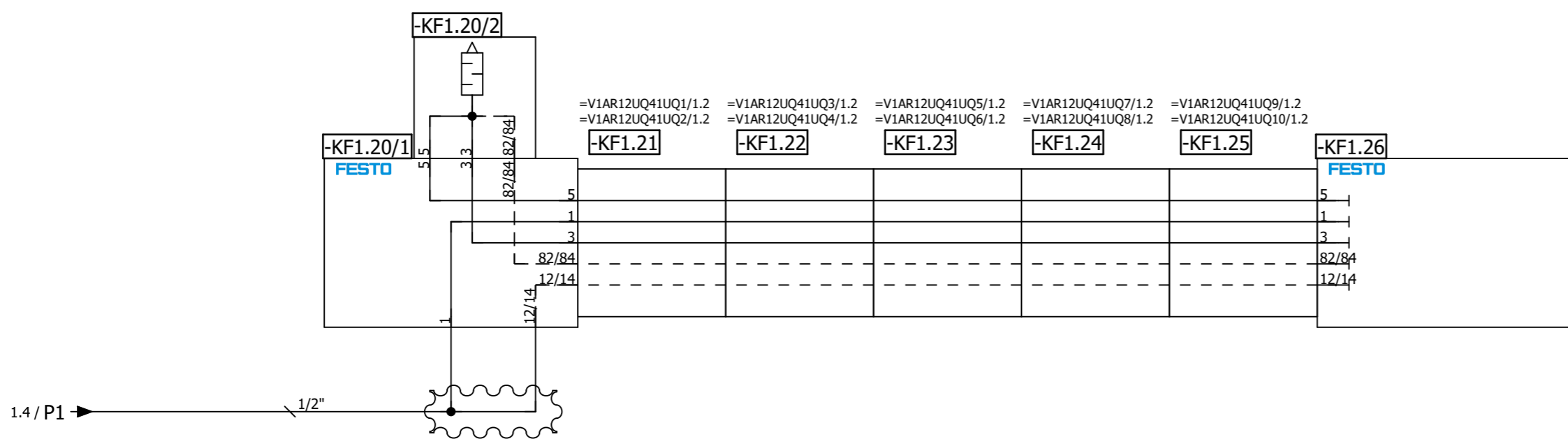
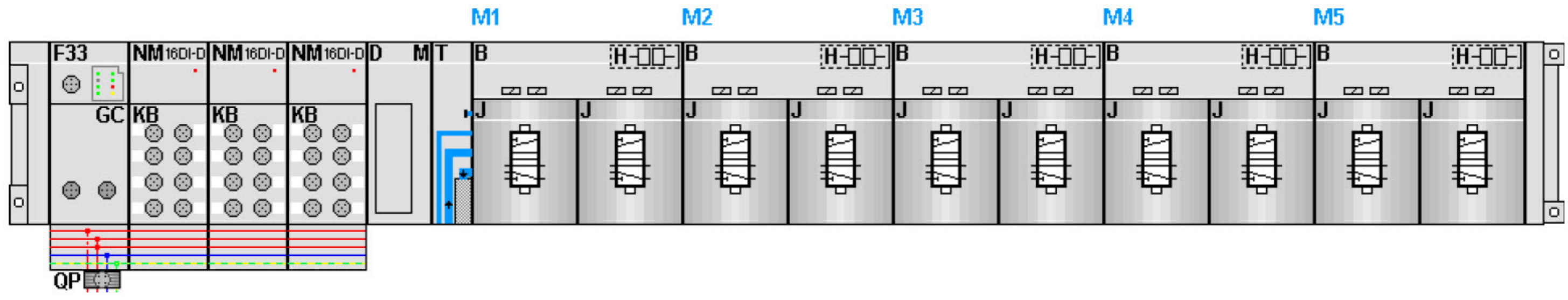




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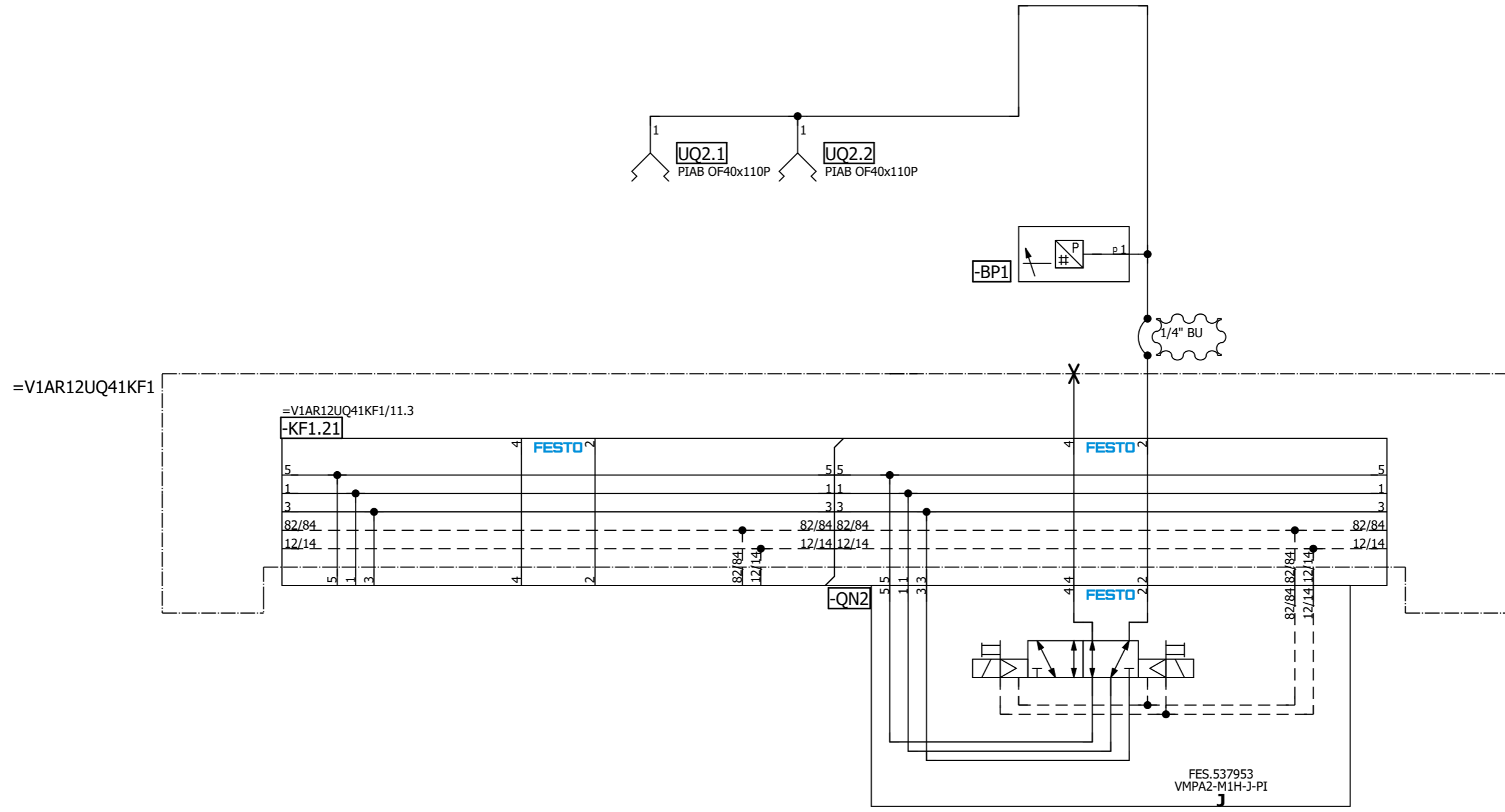


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Date		12/21/2022	Volvo Trucks North America		Valiant TMS	AIR SUPPLY	Drawing name:		= V1AR12UQ41KF1
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L230/320 Model  
Vacuums (RST)

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L230/320 Model  
Vacuums (SET)

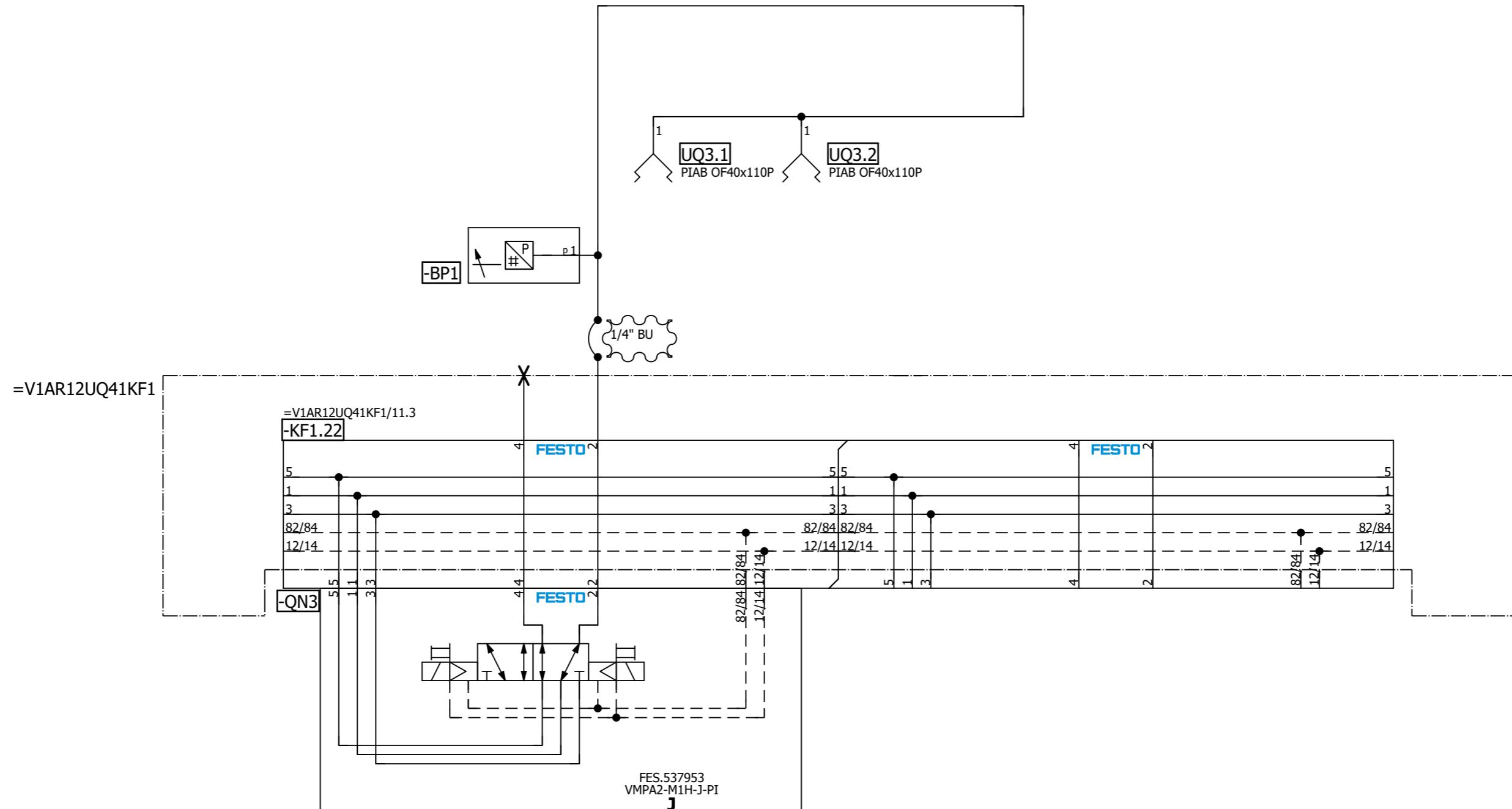
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L290 Model  
Vacuums (RST)

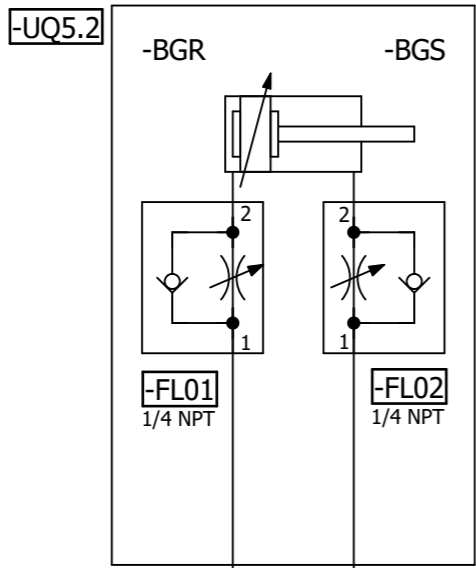
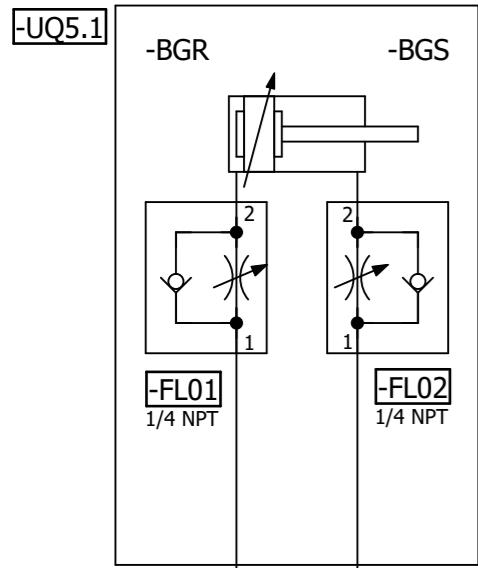
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L290 Model  
Vacuums (SET)

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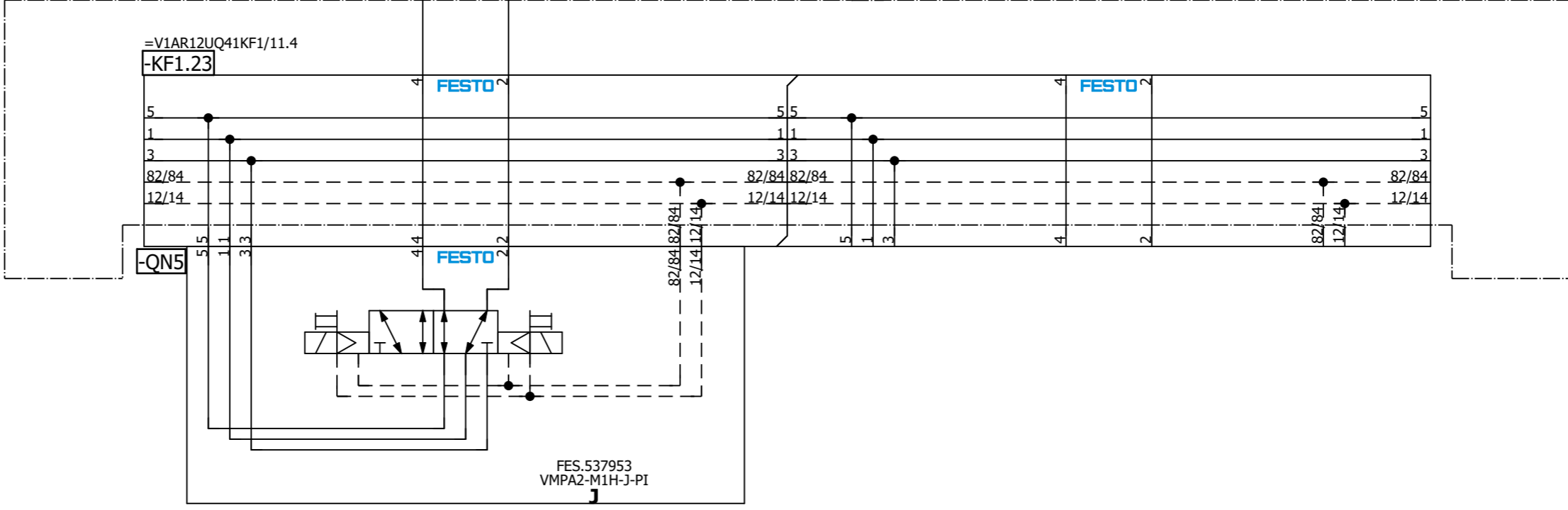
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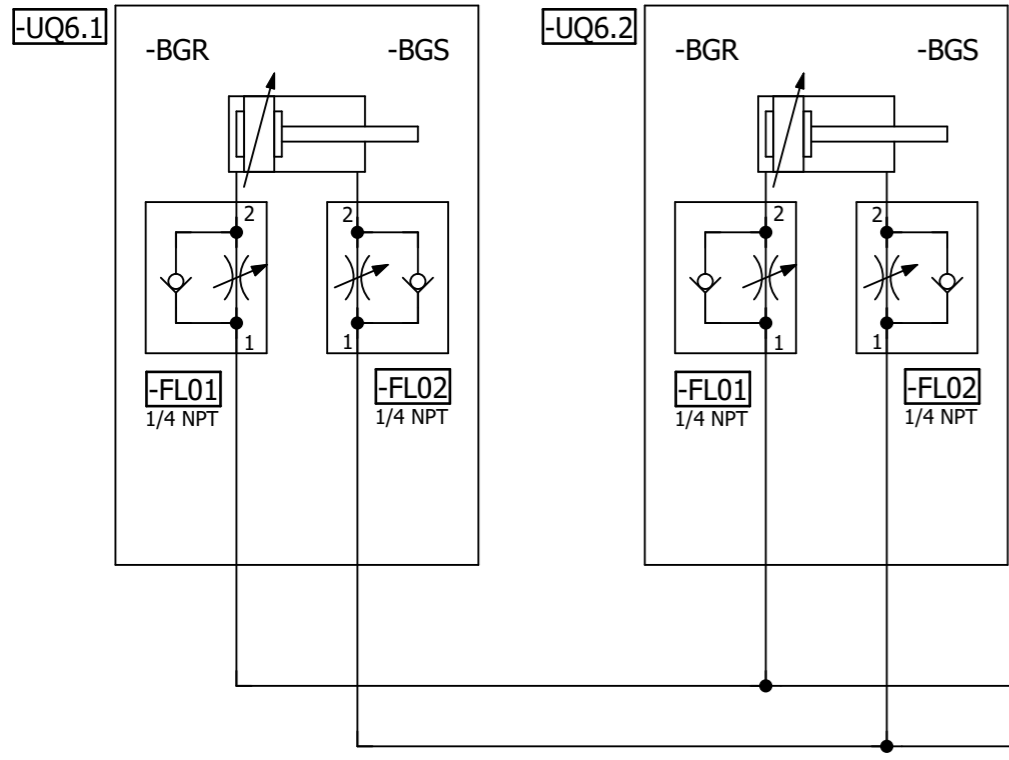
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Common  
Clamps (RST)

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Common  
Clamps (SET)

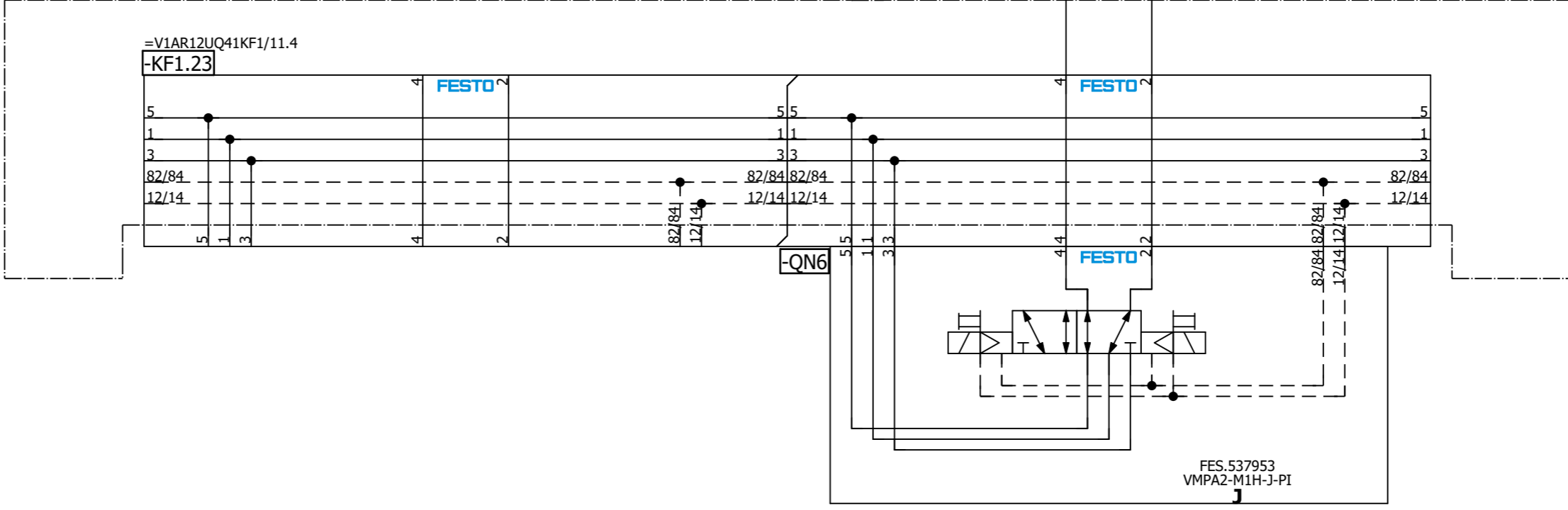
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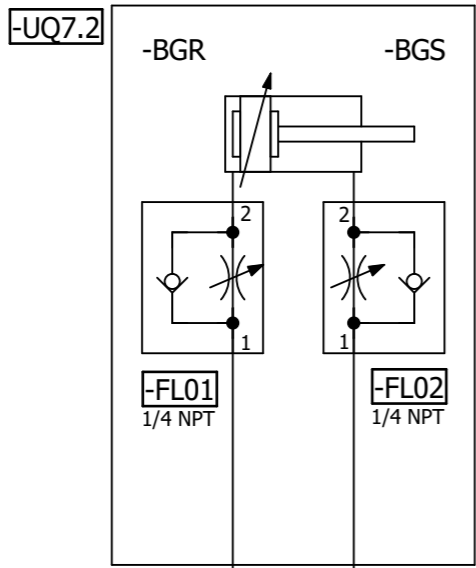
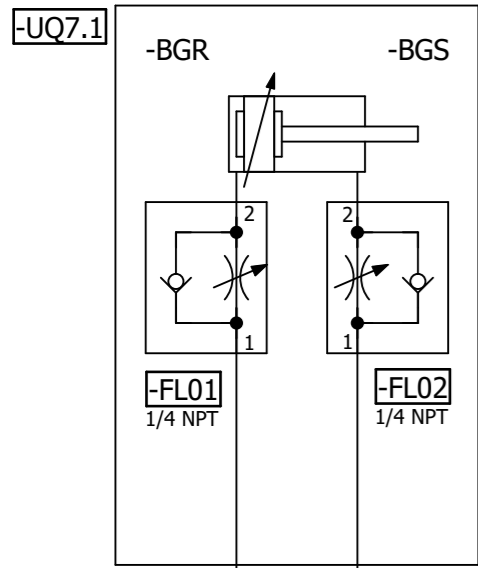


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Clamps (RST)

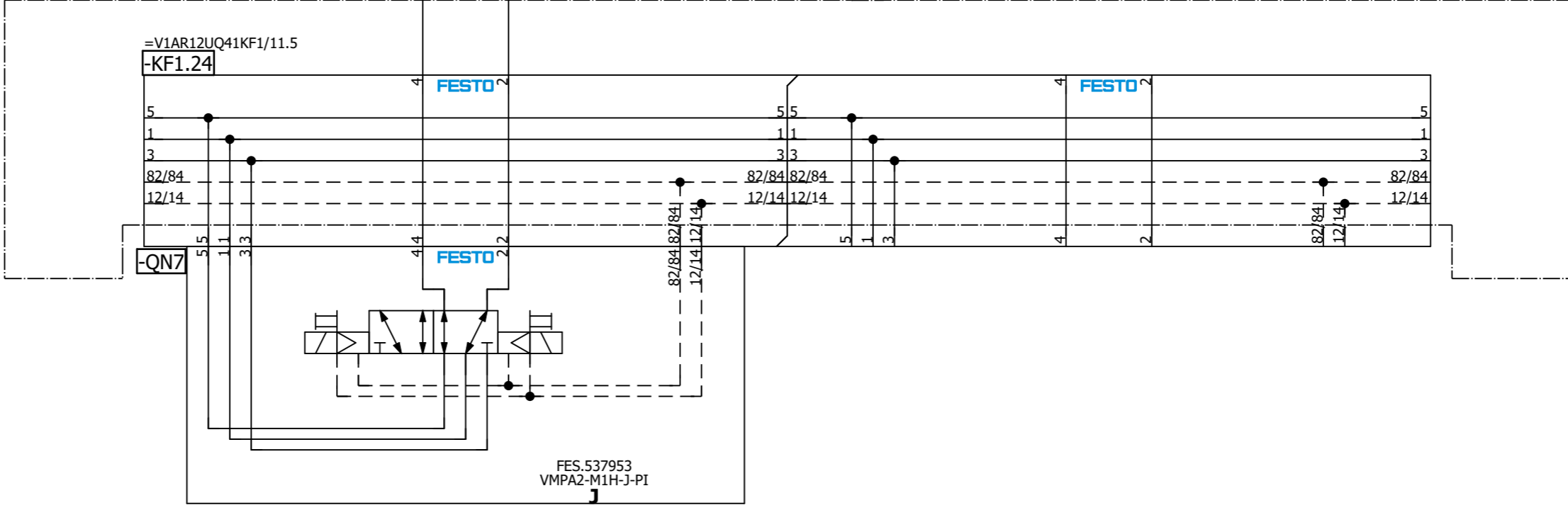
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Clamps (SET)

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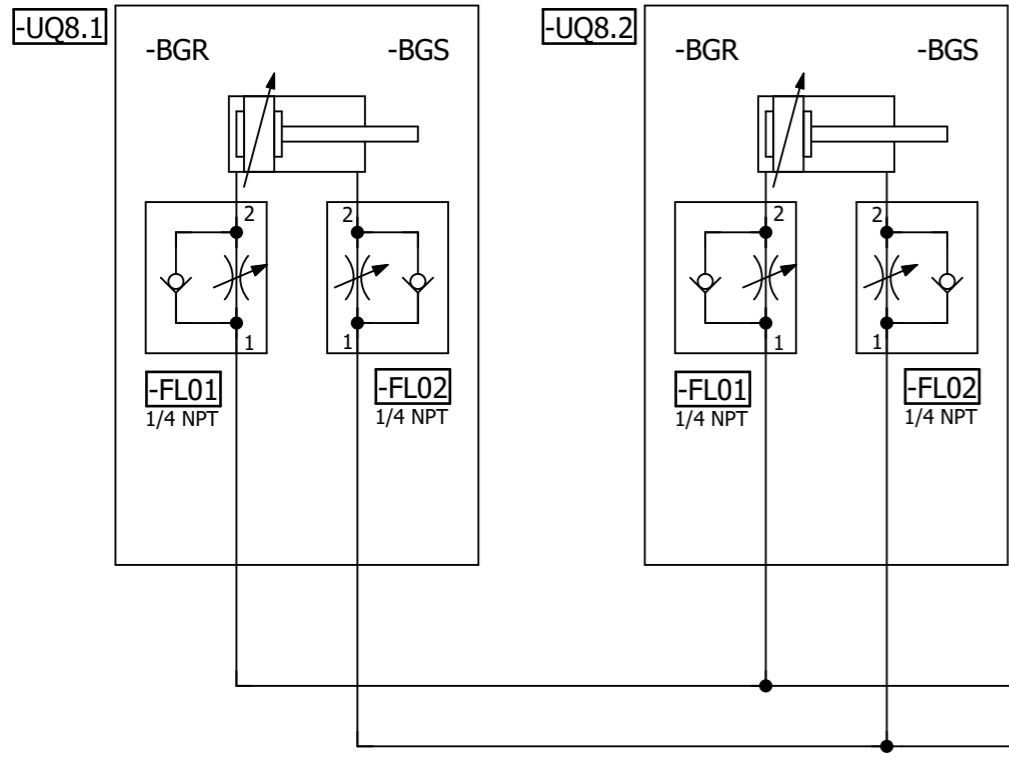
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Clamps (RST)

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L230 Model  
Clamps (SET)

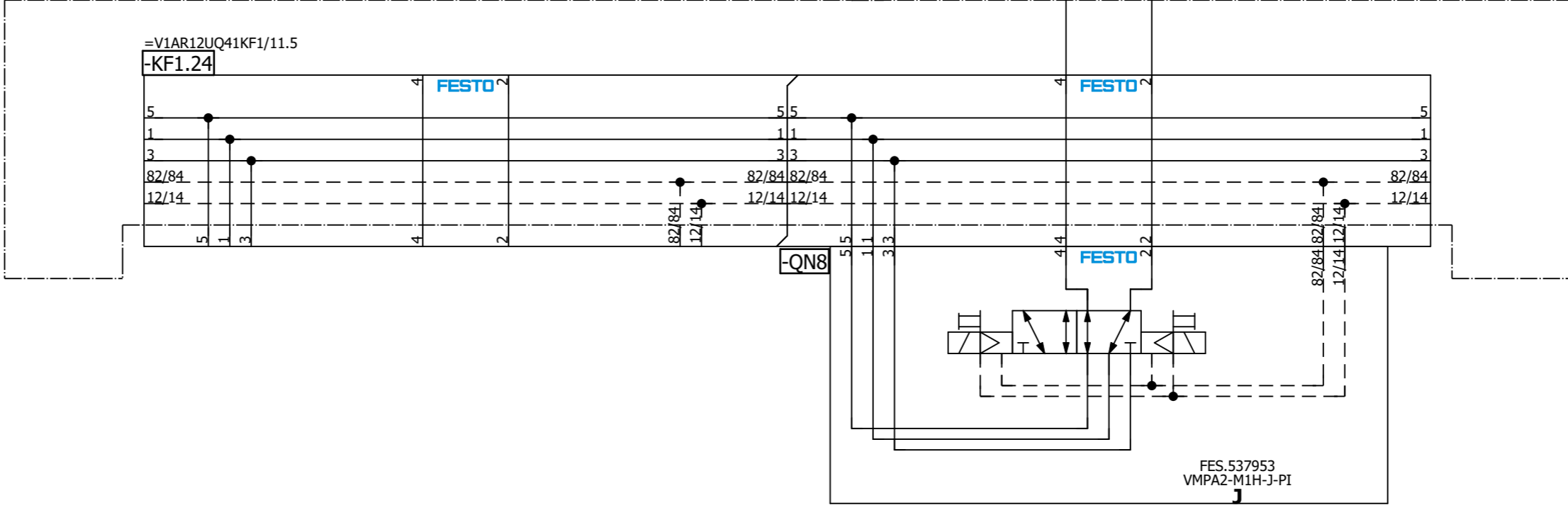
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Original		Replaced by						227	



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L290 Model  
Clamps (RST)

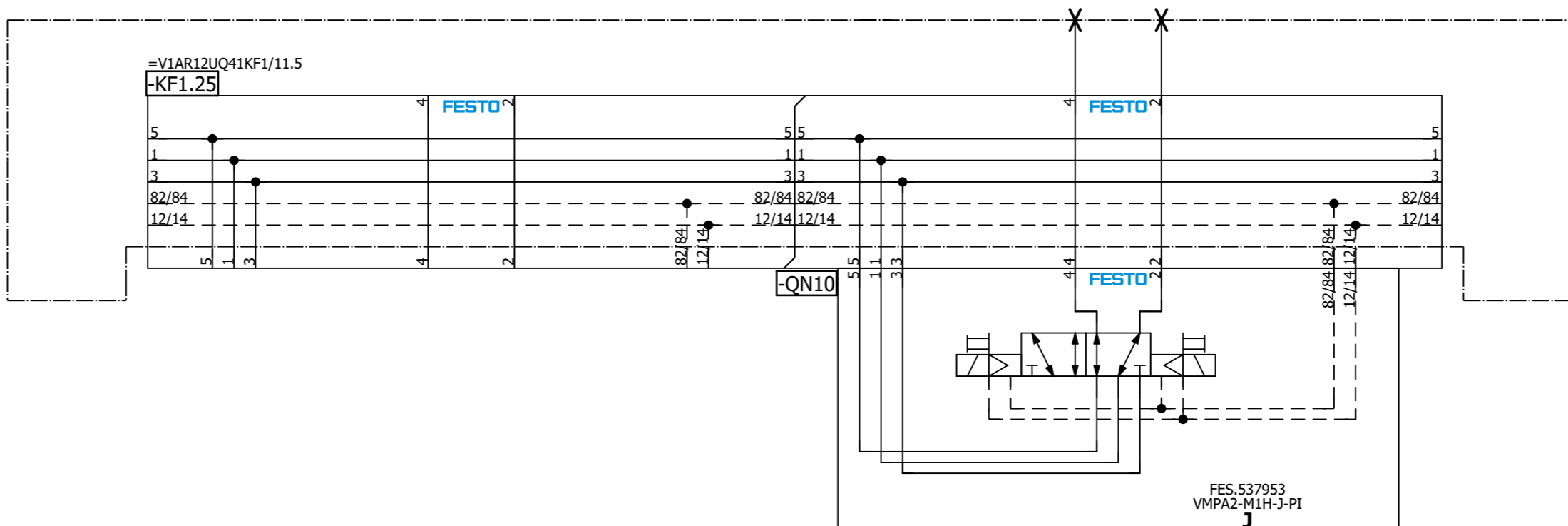
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Clamps (SET)

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Spare  
(RST)

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Spare  
(SET)

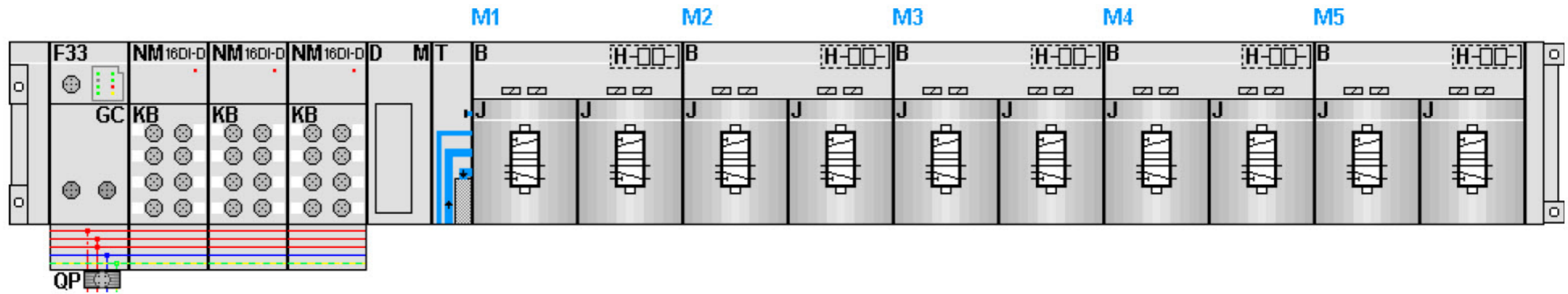
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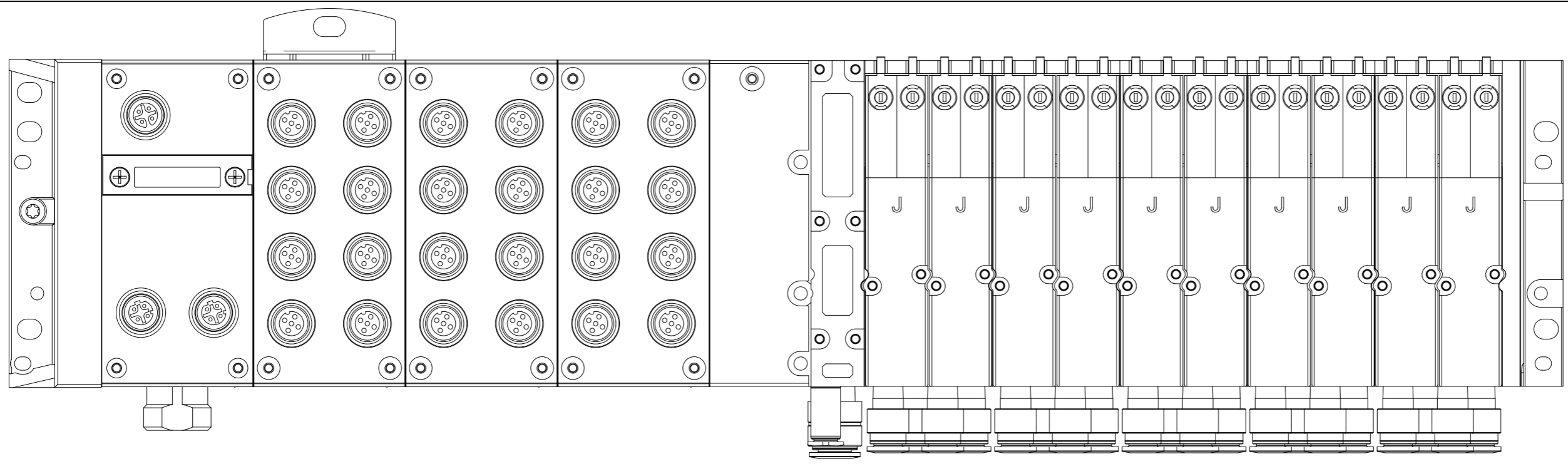
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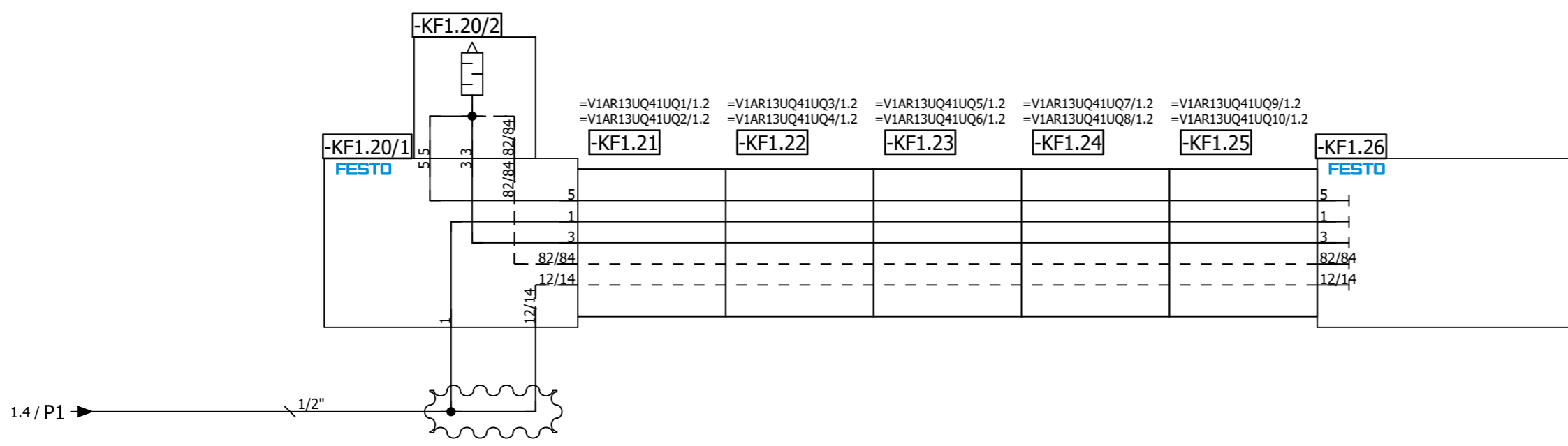
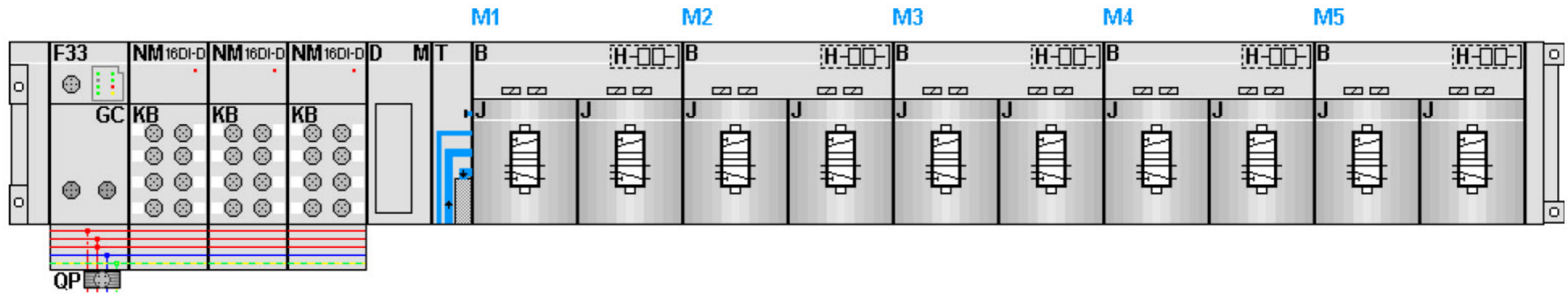




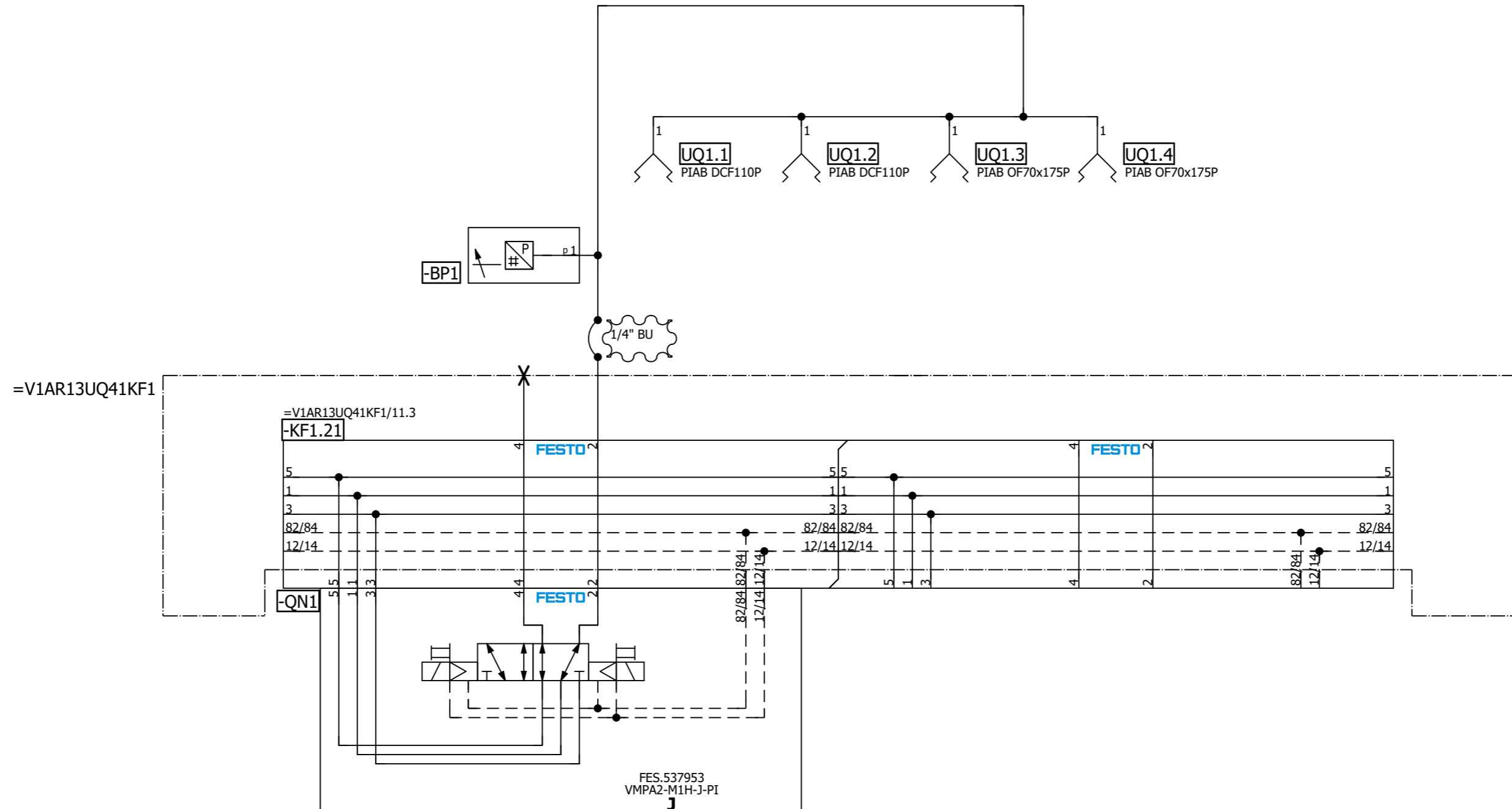
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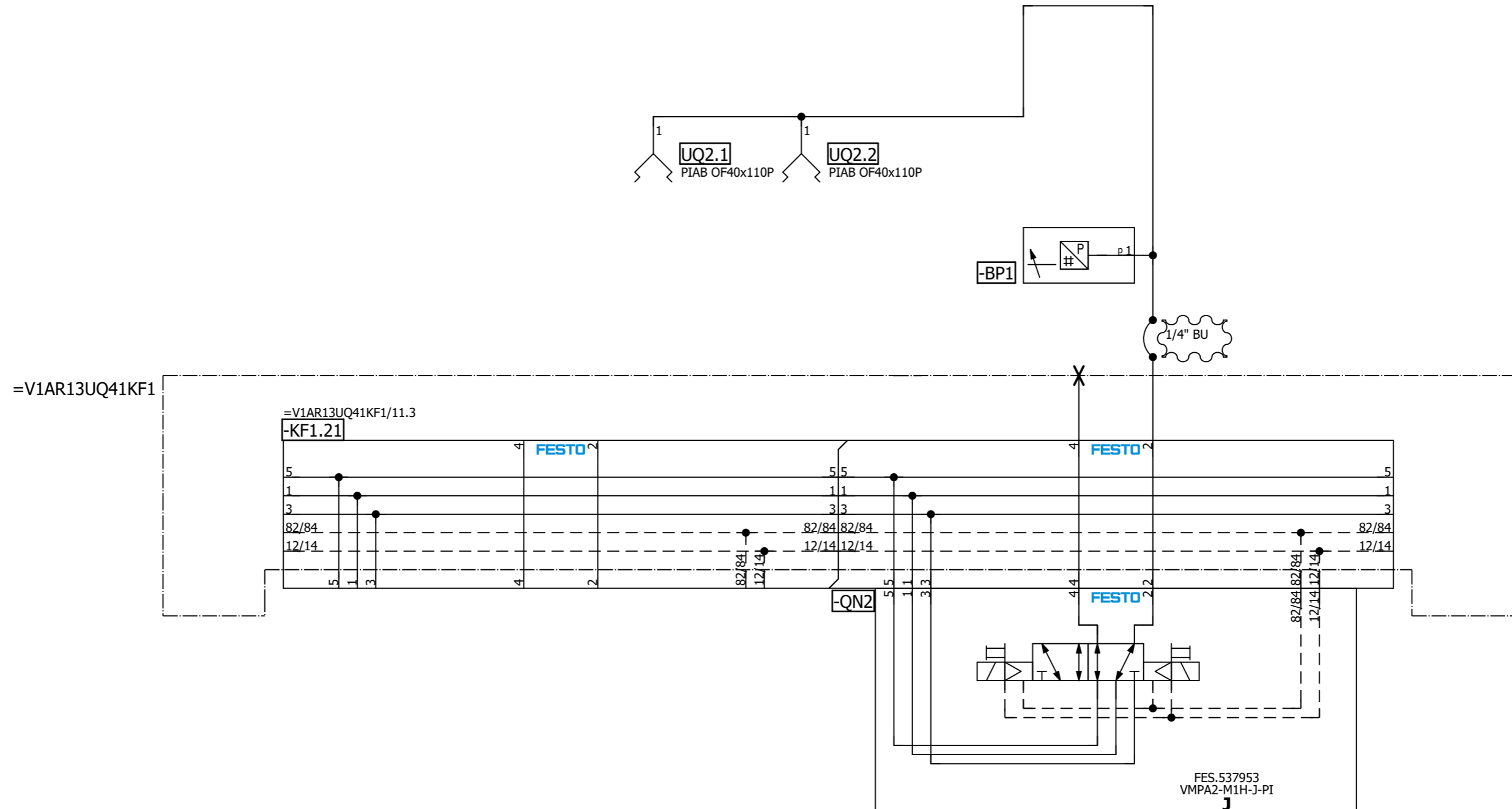
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Common  
Vacuums (SET)

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L230/320 Model  
Vacuums (RST)

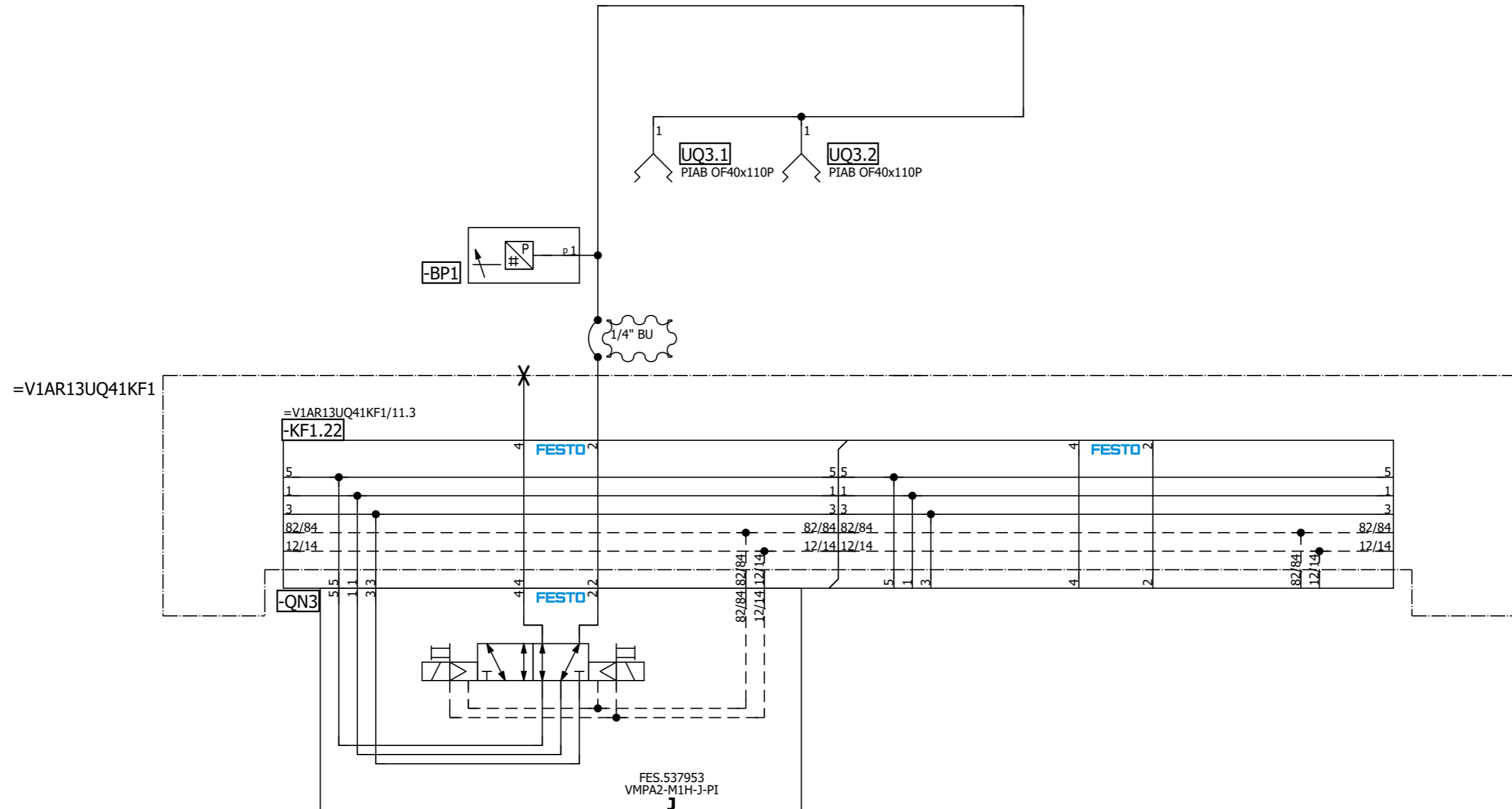
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L230/320 Model  
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L290 Model  
Vacuums (RST)

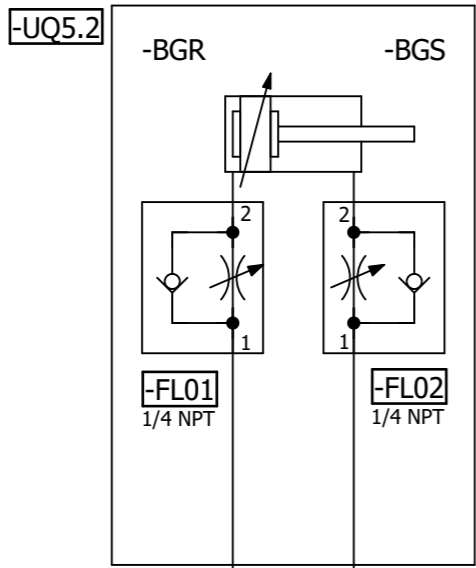
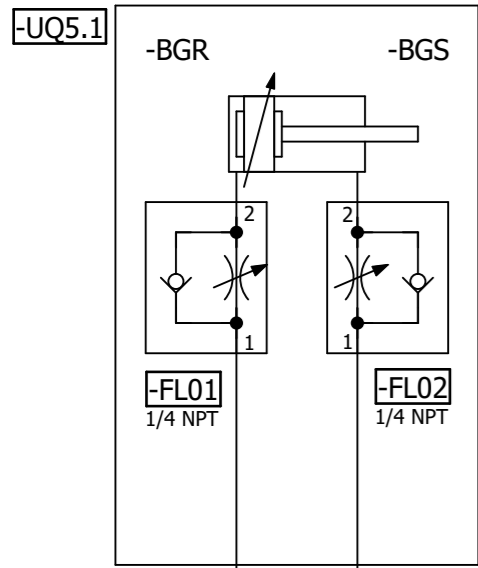
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L290 Model  
Vacuums (SET)

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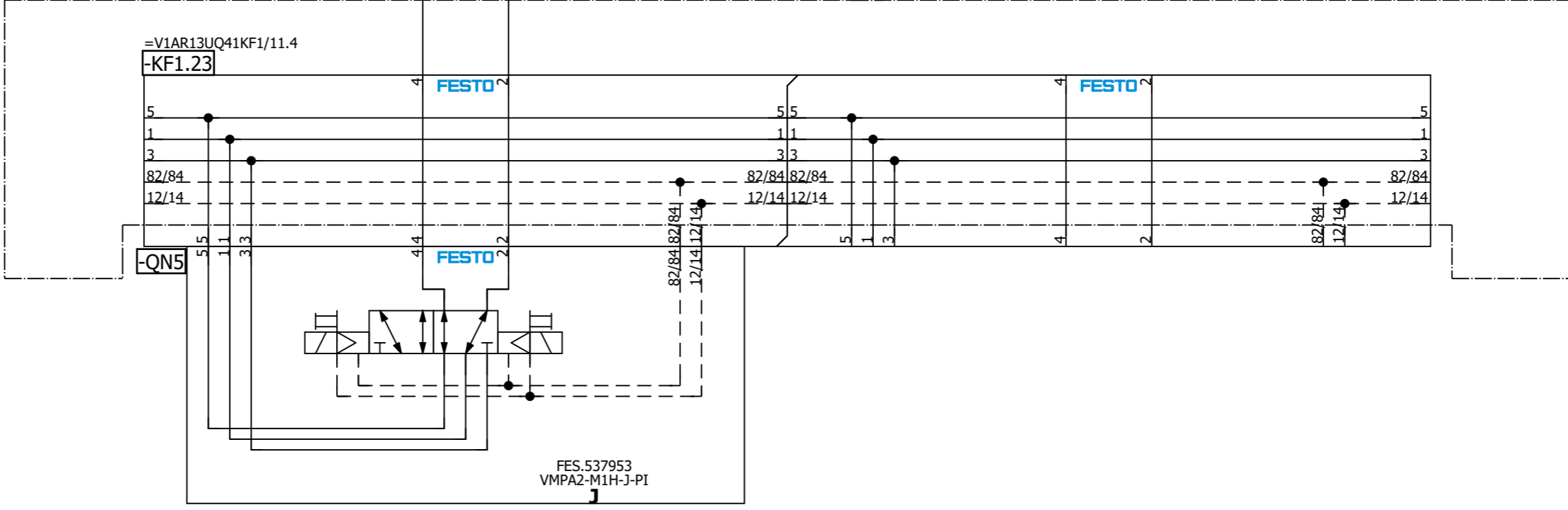
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Common  
Clamps (RST)

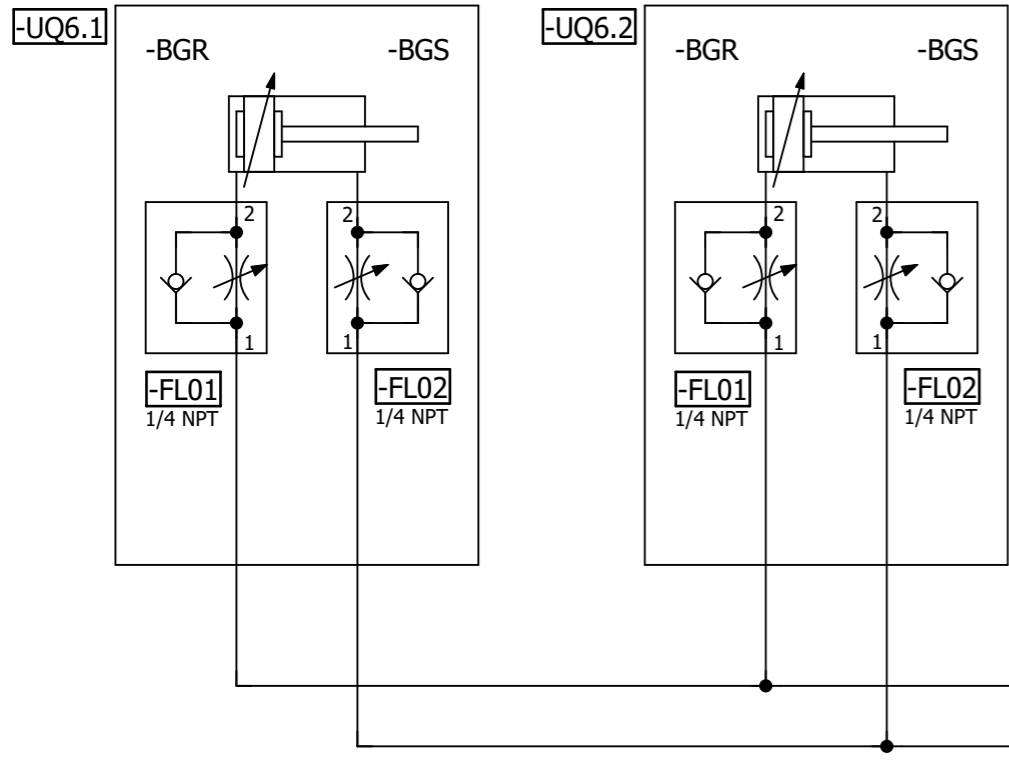
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Clamps (SET)

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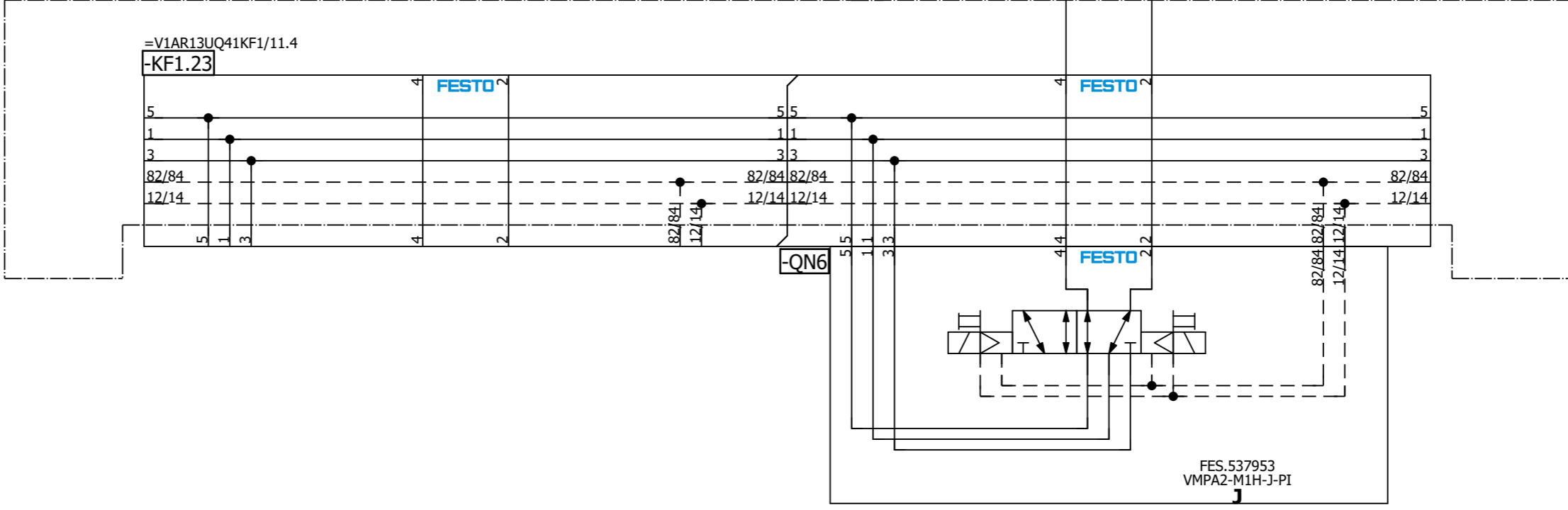
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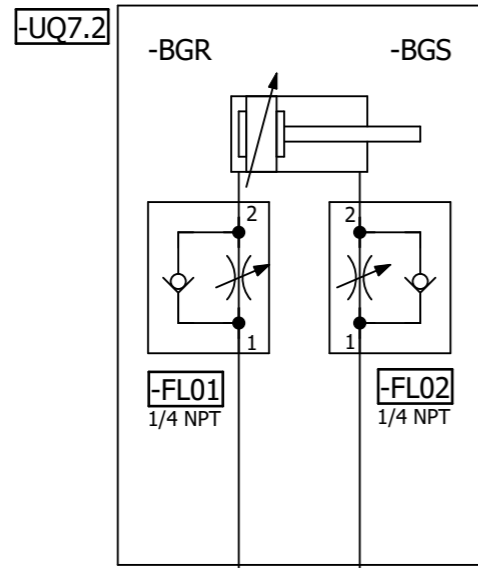
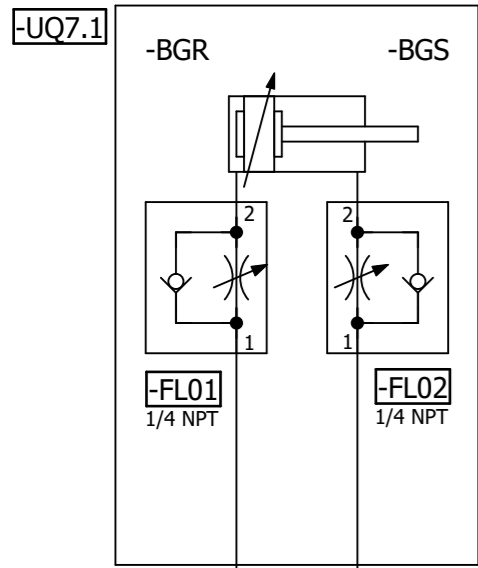


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L150 Model  
Clamps (RST)

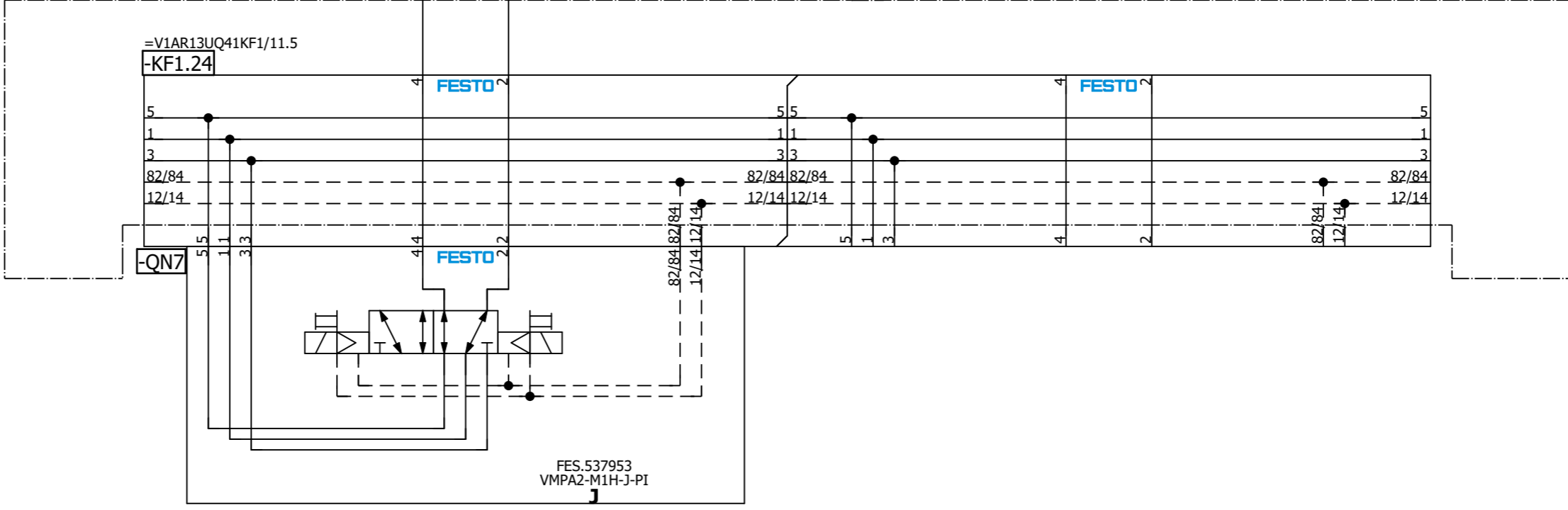
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Clamps (SET)

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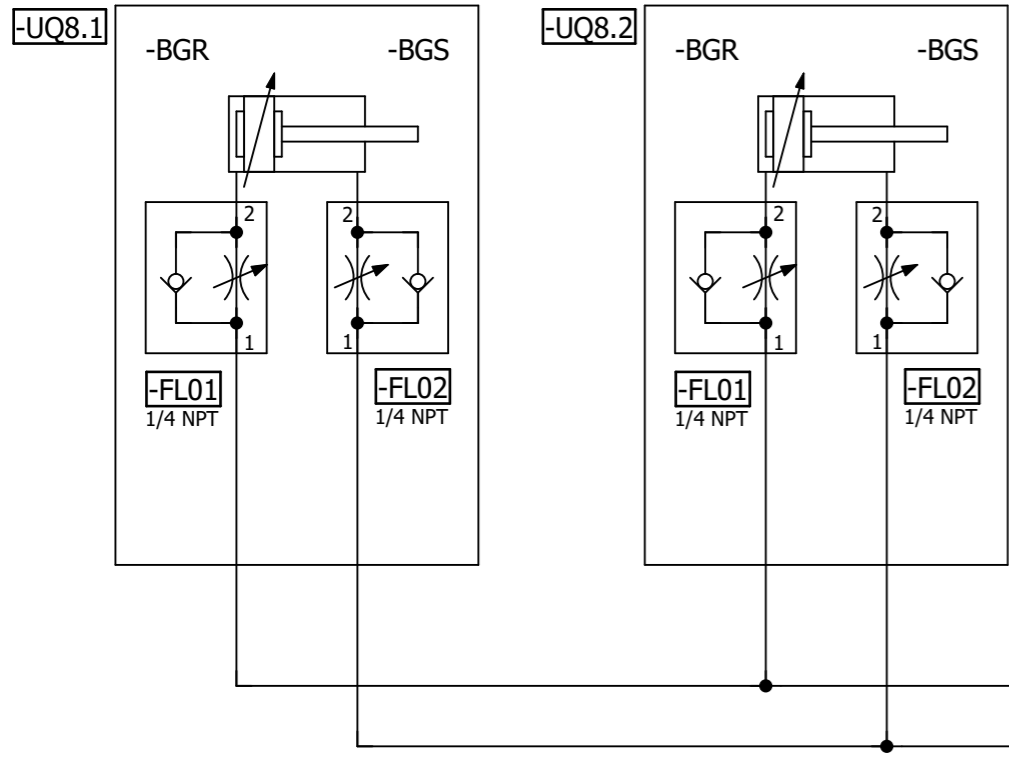
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L230 Model  
Clamps (RST)

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L230 Model  
Clamps (SET)

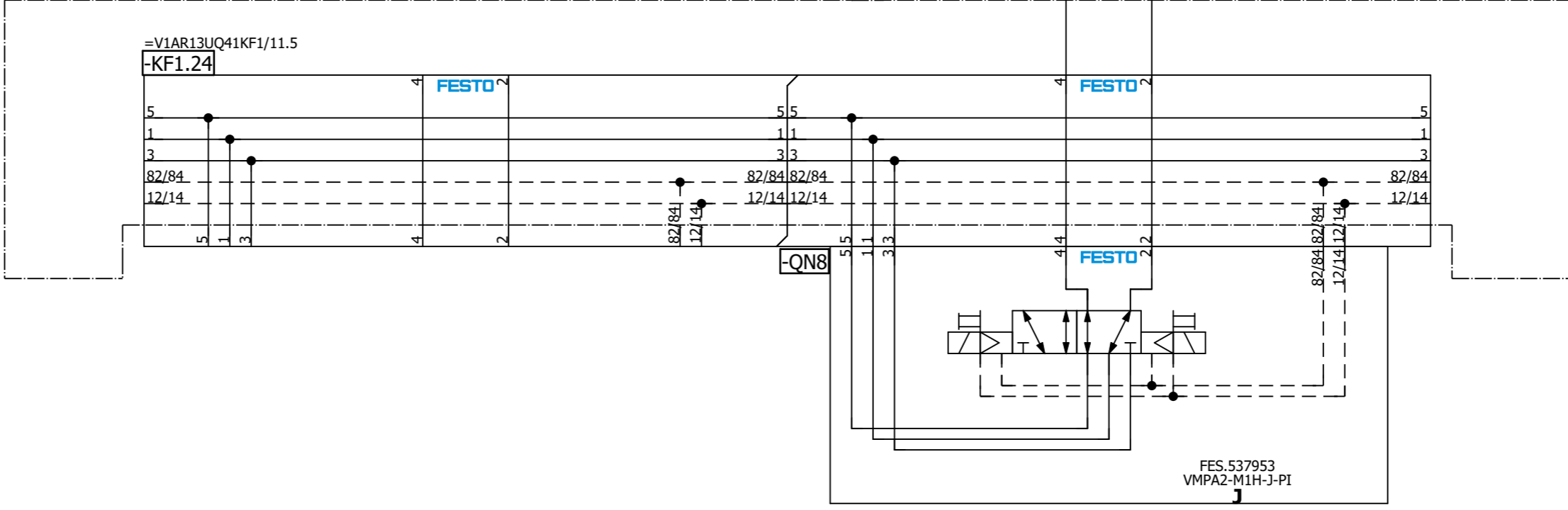
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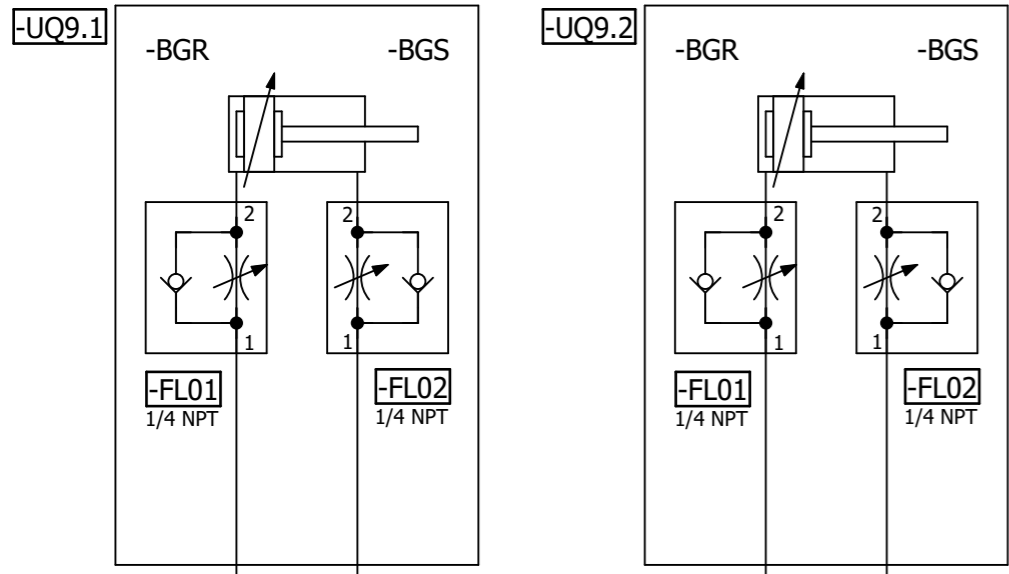


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Clamps (RST)

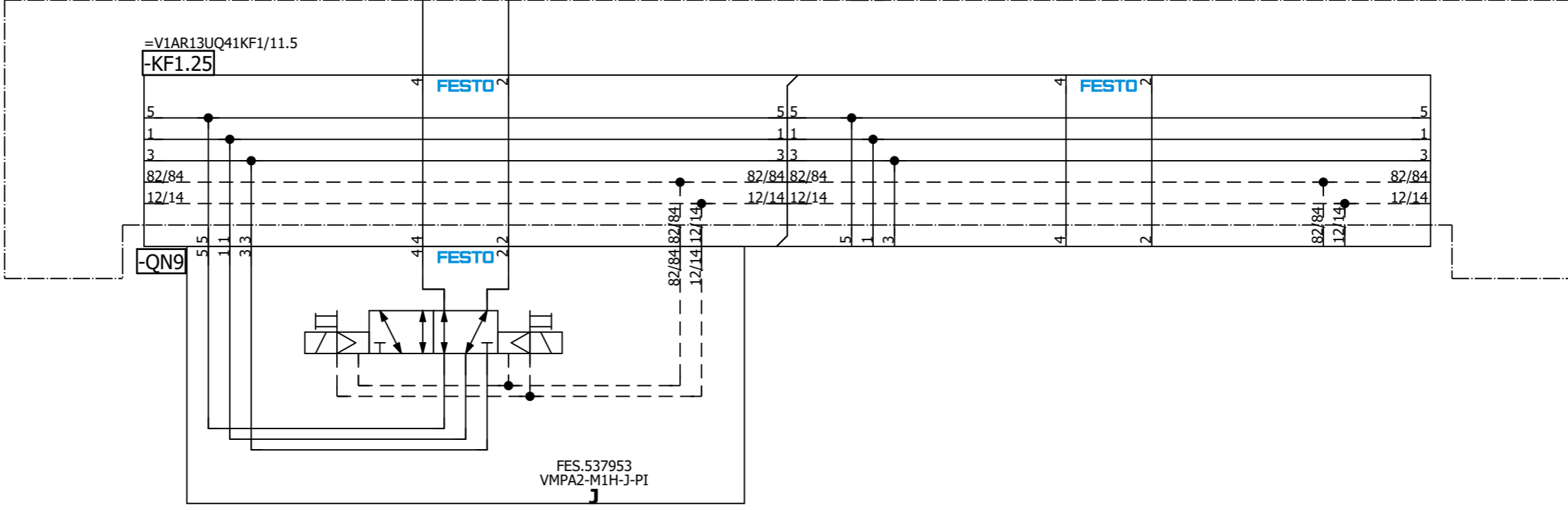
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L290 Model  
Clamps (SET)

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L320 Model  
Clamps (RST)

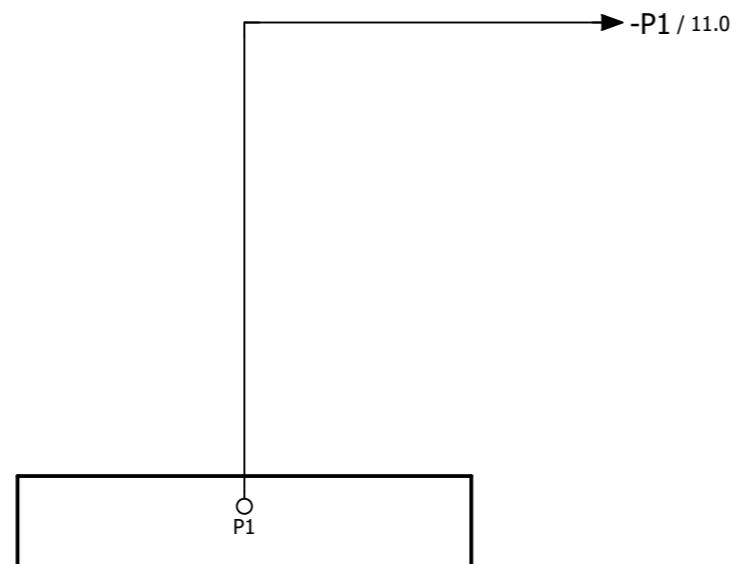
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Clamps (SET)

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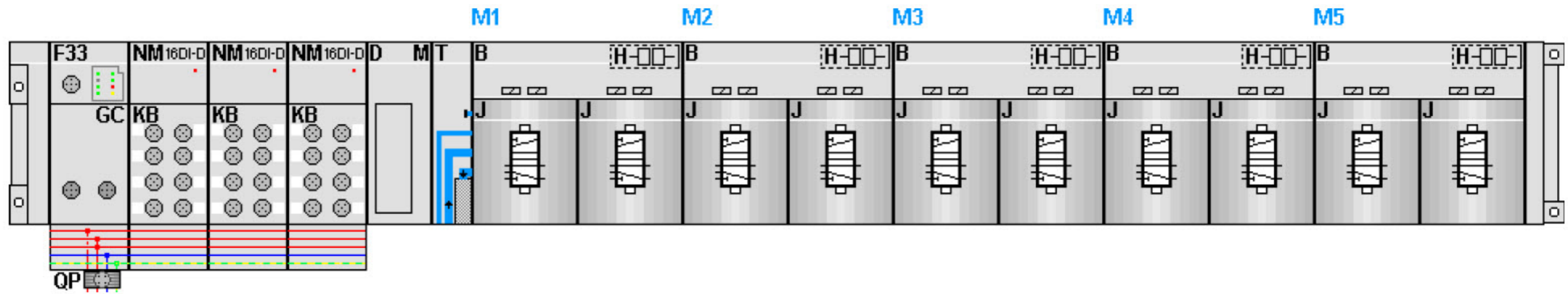
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				Original		Replacement of		Replaced by					Document type:	MFS	Project nr:	22-16151	Page	1	
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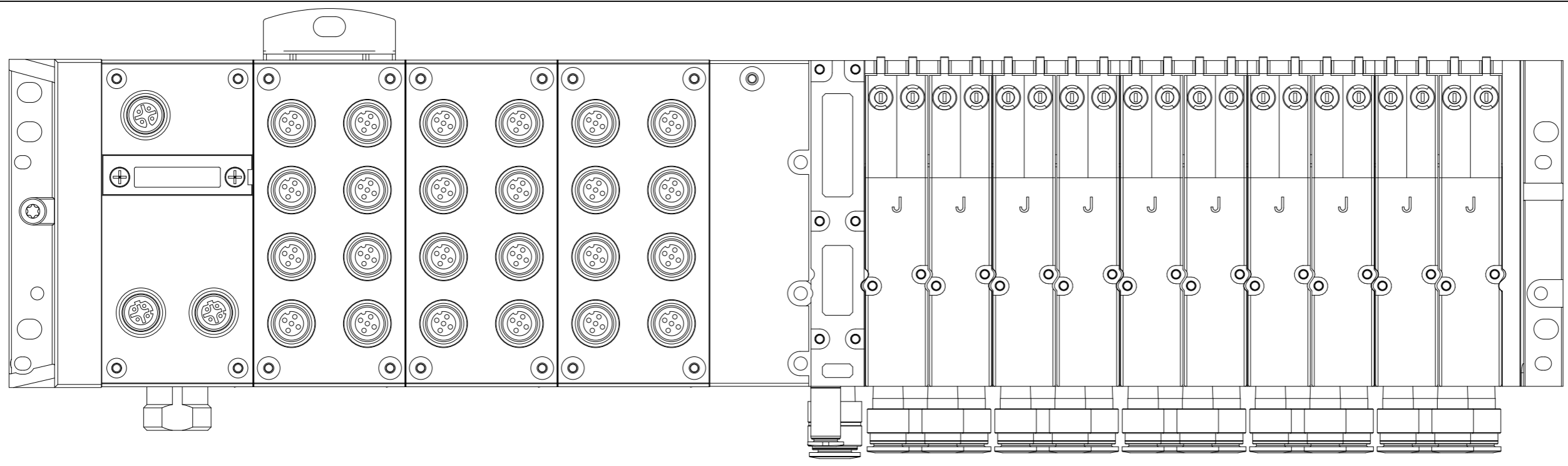


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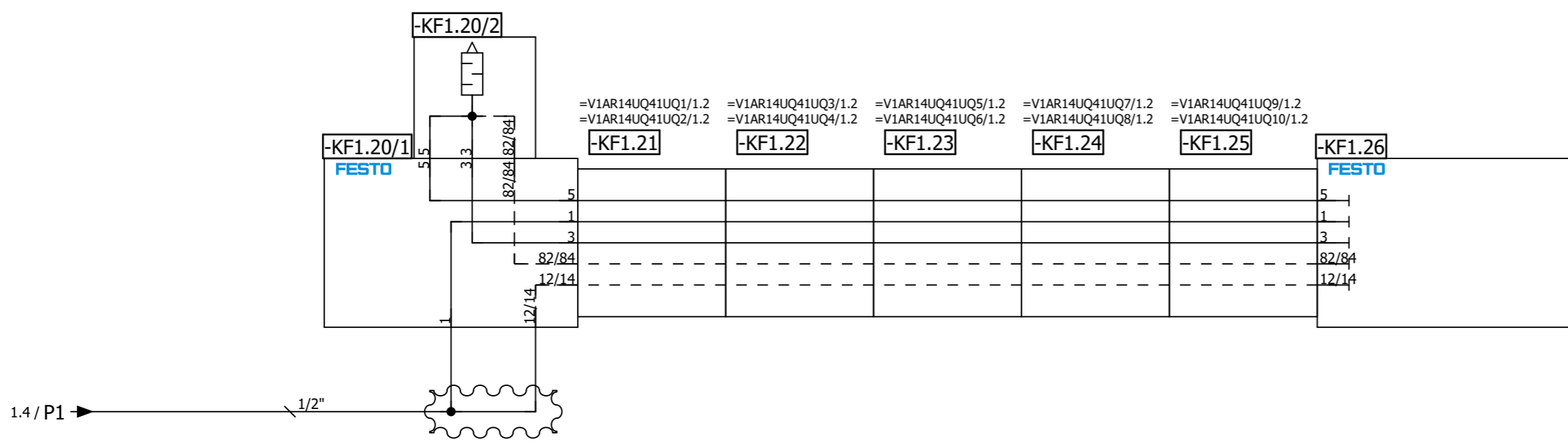
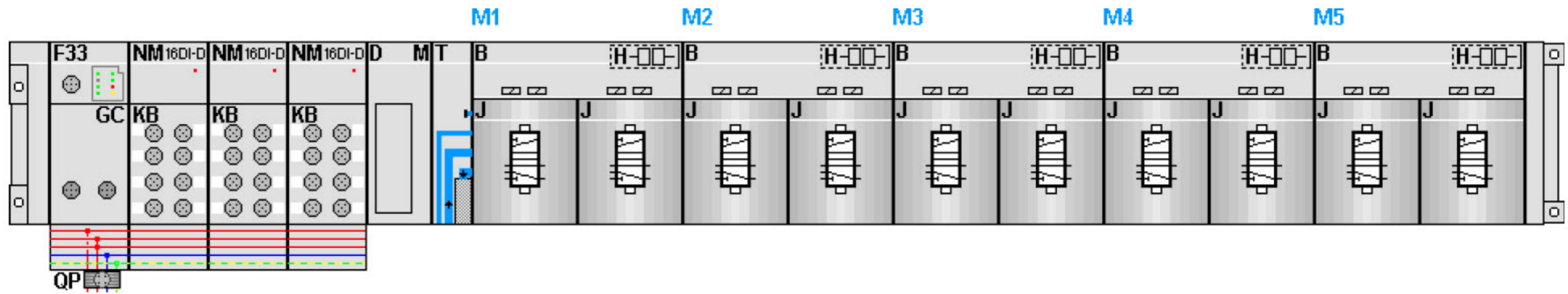
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		Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04					Document type: MFS	Project nr: 22-16151	Page
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1					227



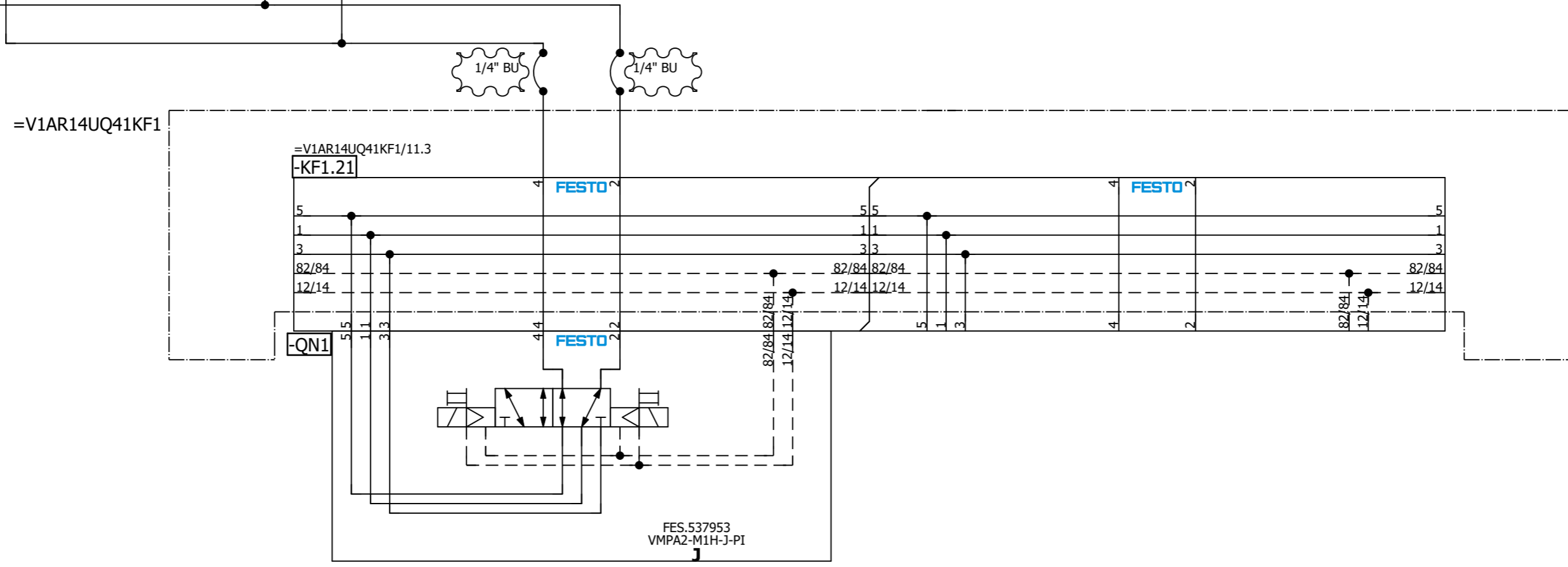
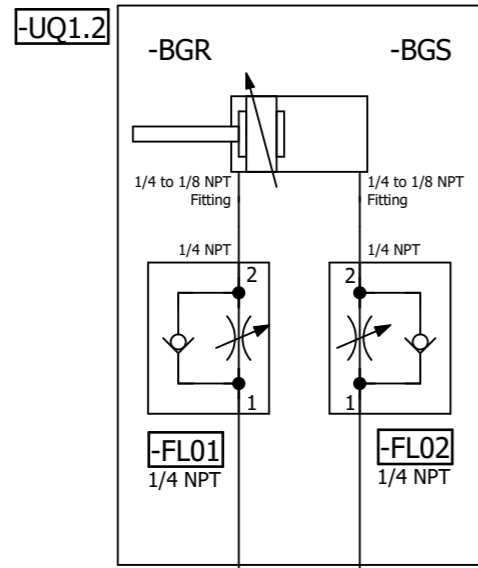
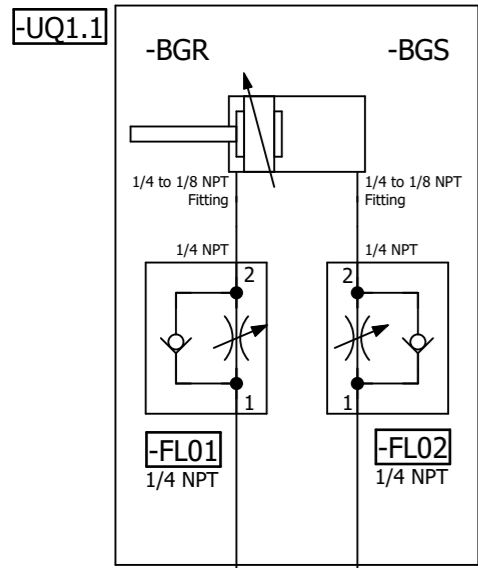
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Appr			Replacement of		Scale 1:1	Document type:		MFS	Project nr:	22-16151	Page	5
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**Common**  
**Shot Pins (RST)**

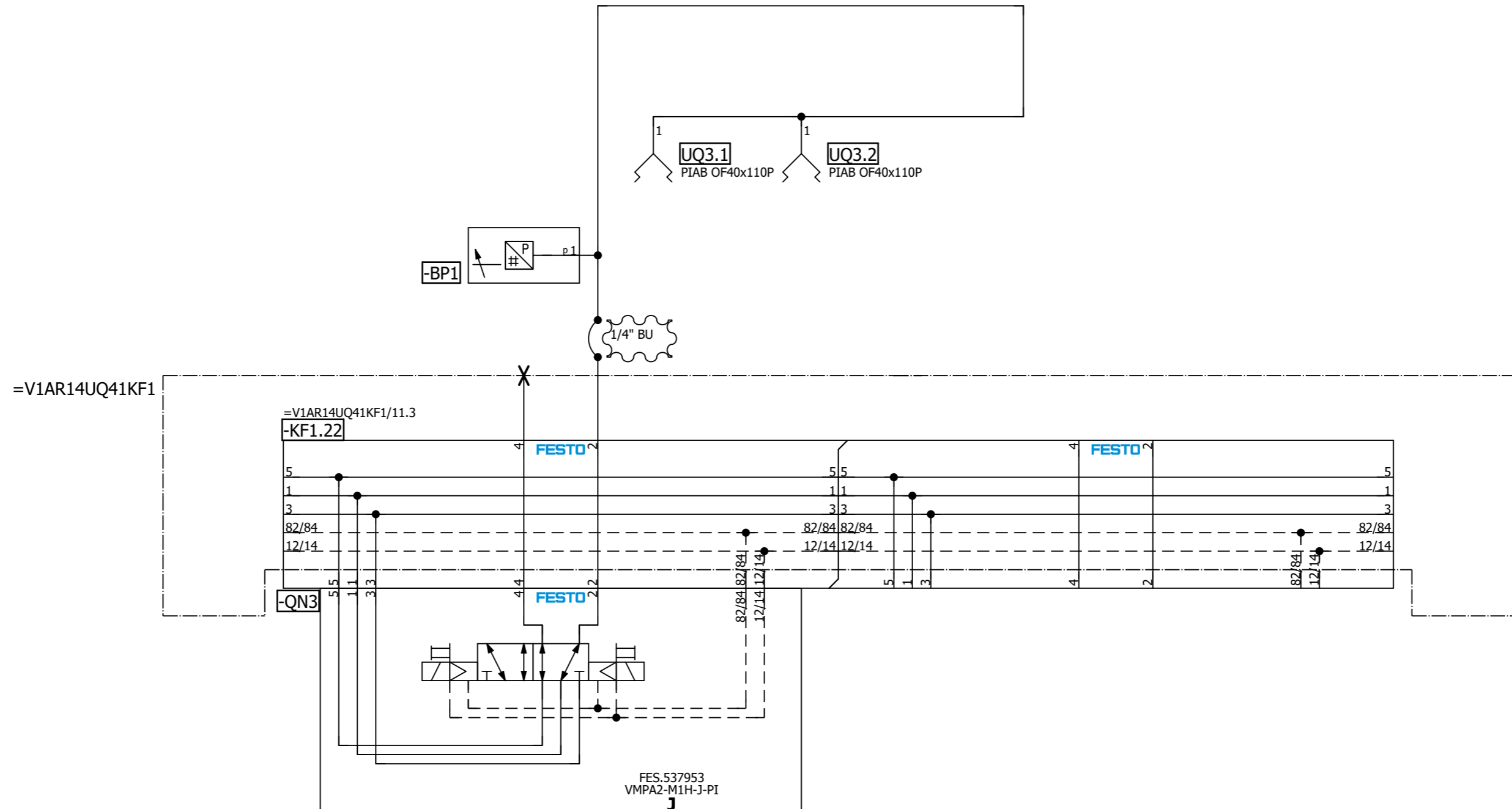
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**Shot Pins (SET)**

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Appr:		Replacement of:		Scale 1:1		Project nr: 22-16151		Page 1	
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L230/320 Model  
Vacuums (RST)

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L230/320 Model  
Vacuums (SET)

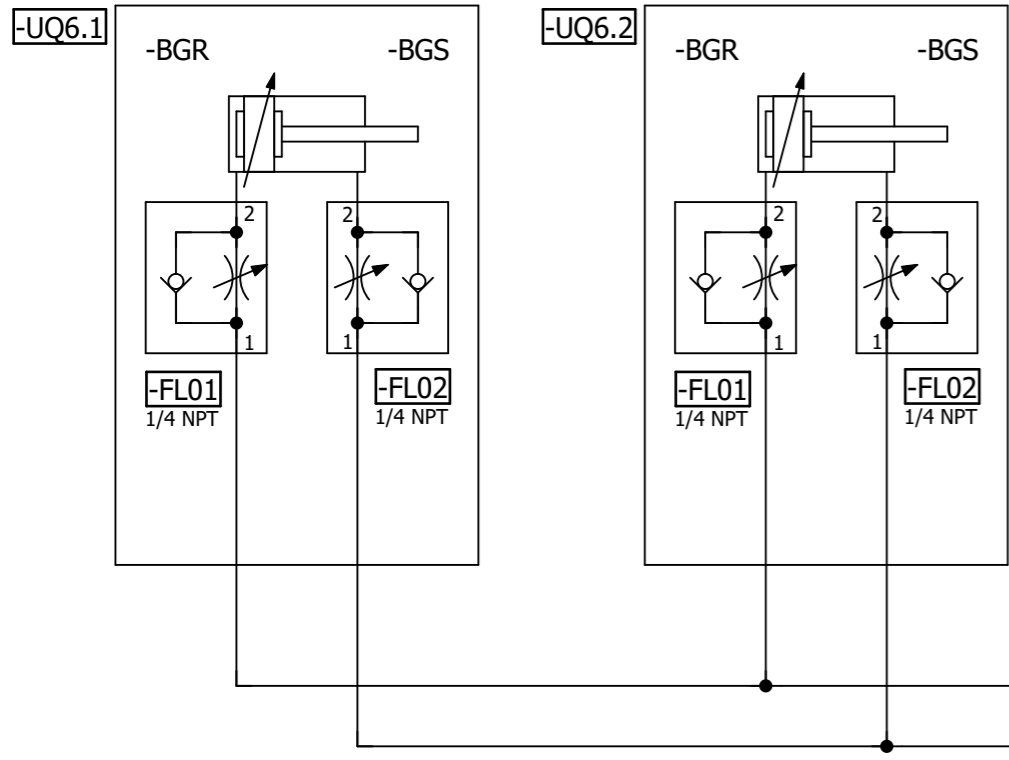
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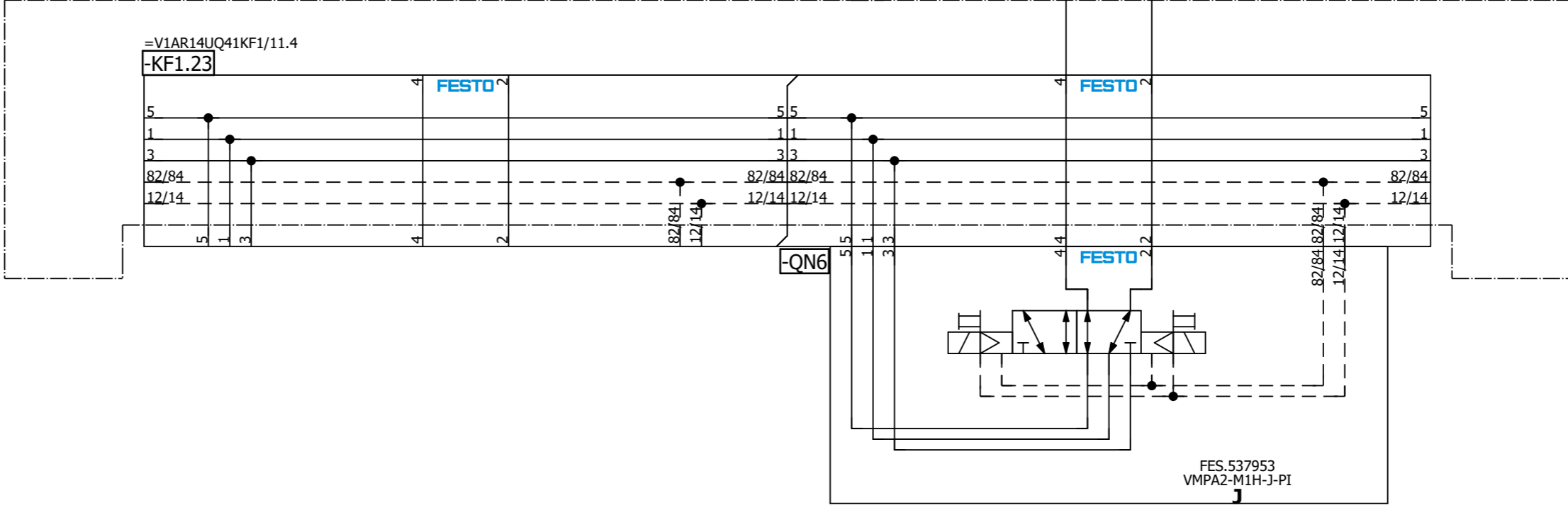
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Appr.			Replacement of		Scale 1:1		Document type:		MFS
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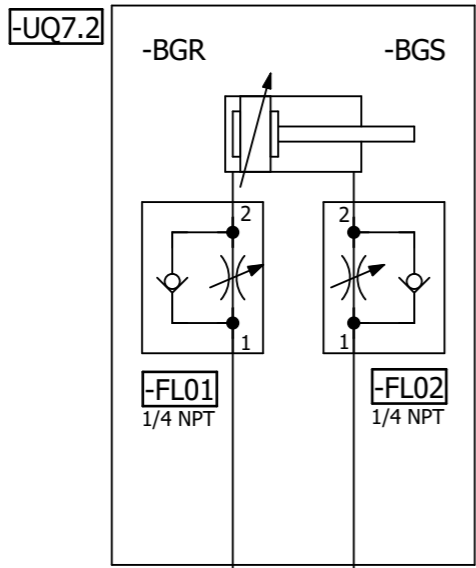
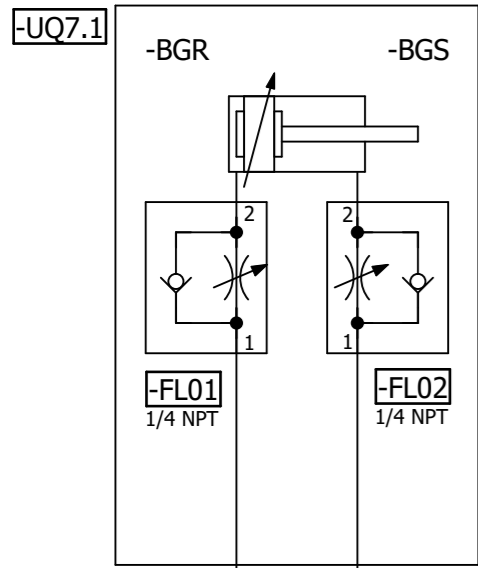


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Clamps (RST)

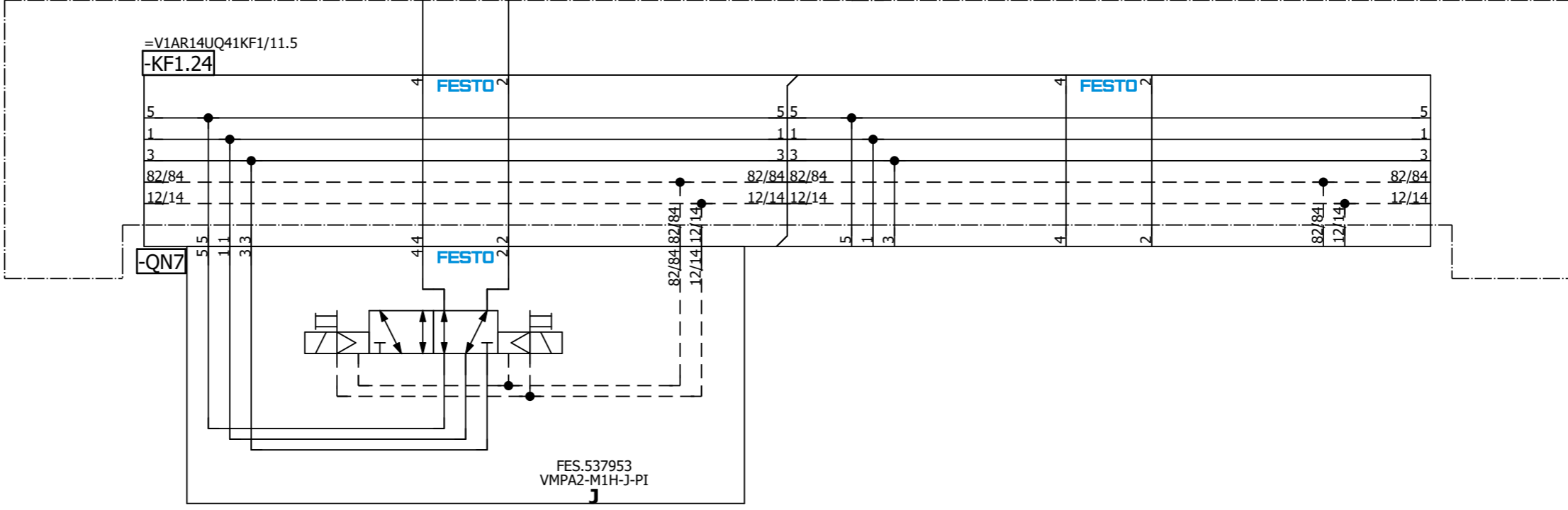
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Clamps (SET)

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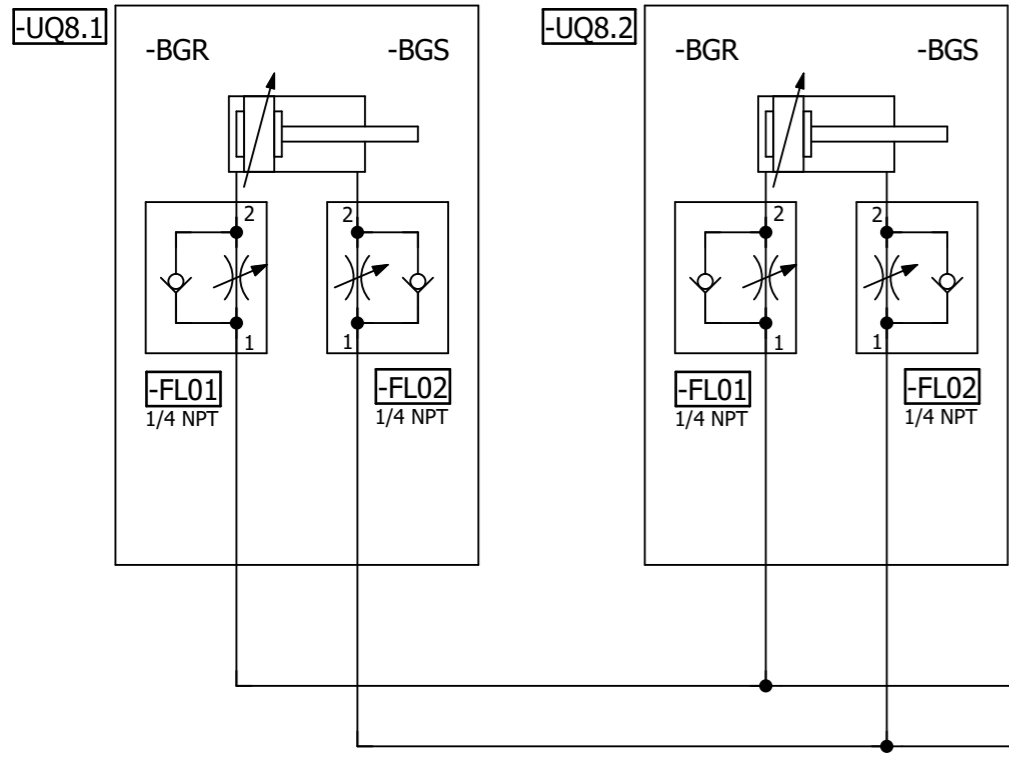
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L150 Model  
Clamps (RST)

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L150 Model  
Clamps (SET)

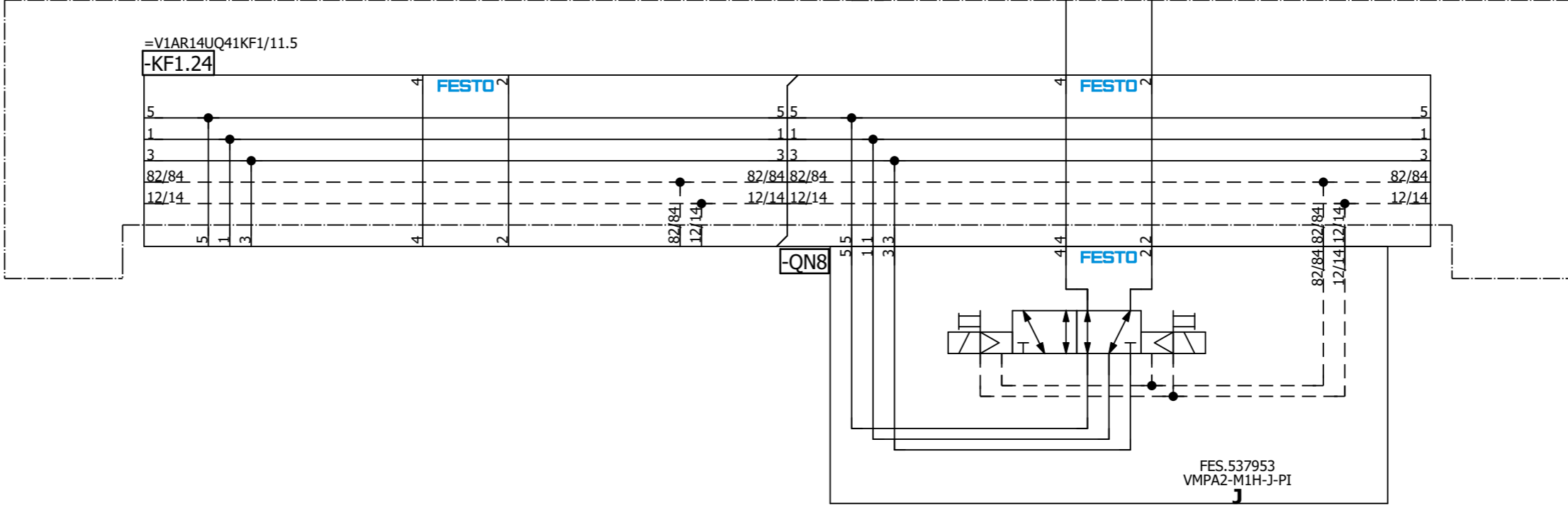
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Appr:		Replacement of		Replaced by		Project nr: 22-16151		Page 1	
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L230 Model  
Clamps (RST)

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L230 Model  
Clamps (SET)

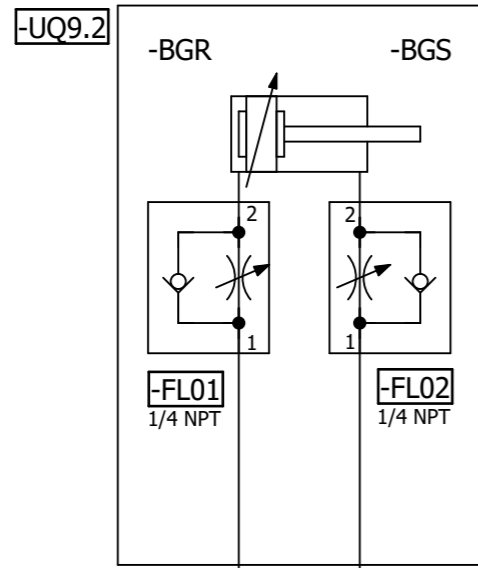
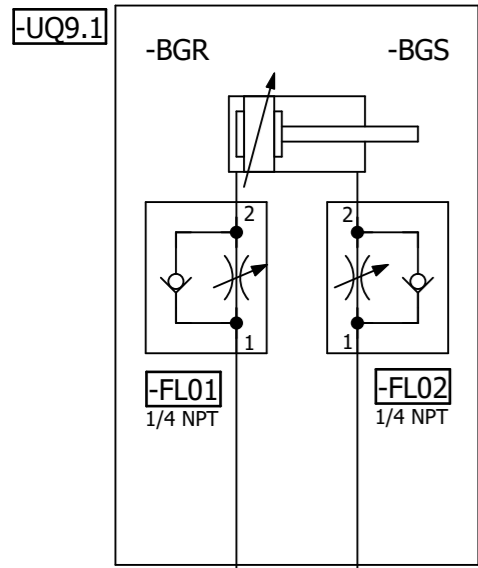
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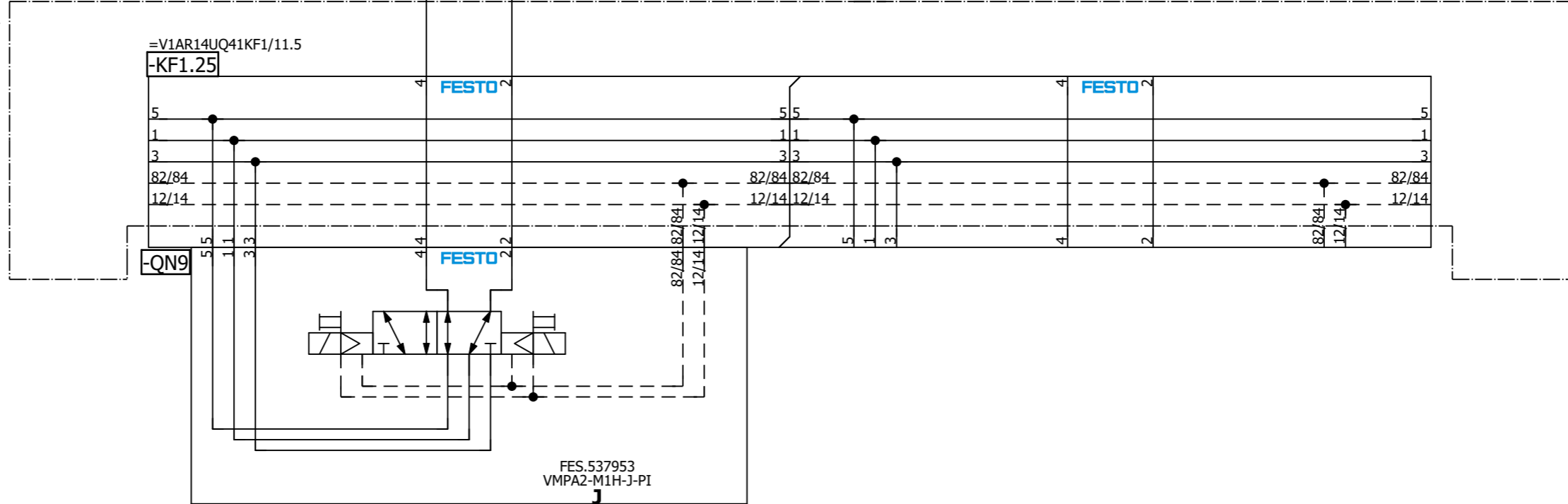
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Appr:		Replacement of		Replaced by				Project nr: 22-16151		Page 1	
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 L290 Model  
 Clamps (RST)

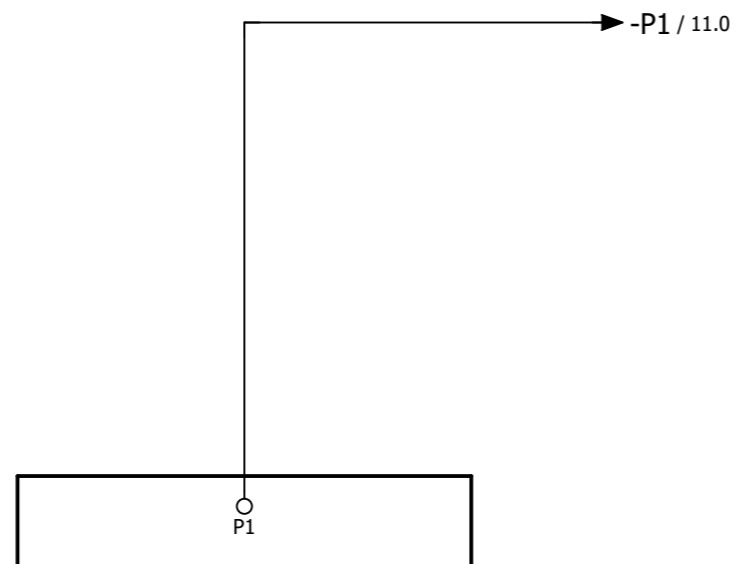
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 Clamps (SET)

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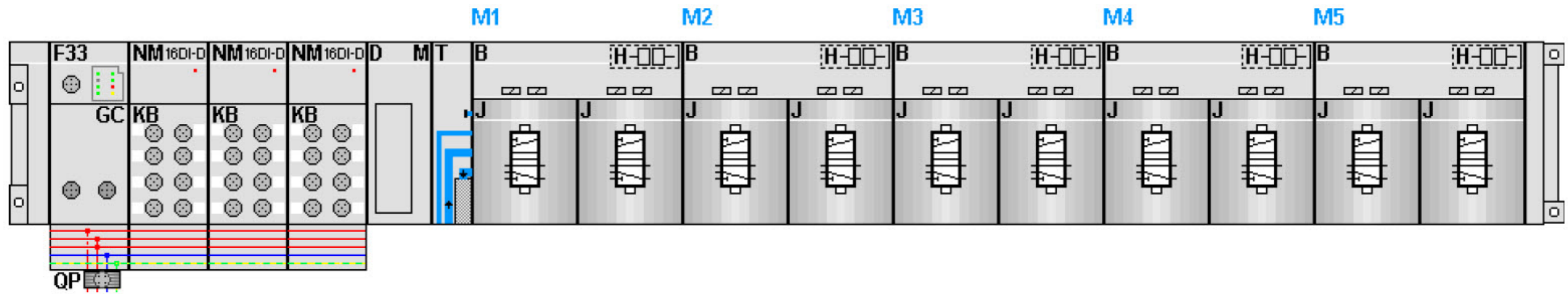
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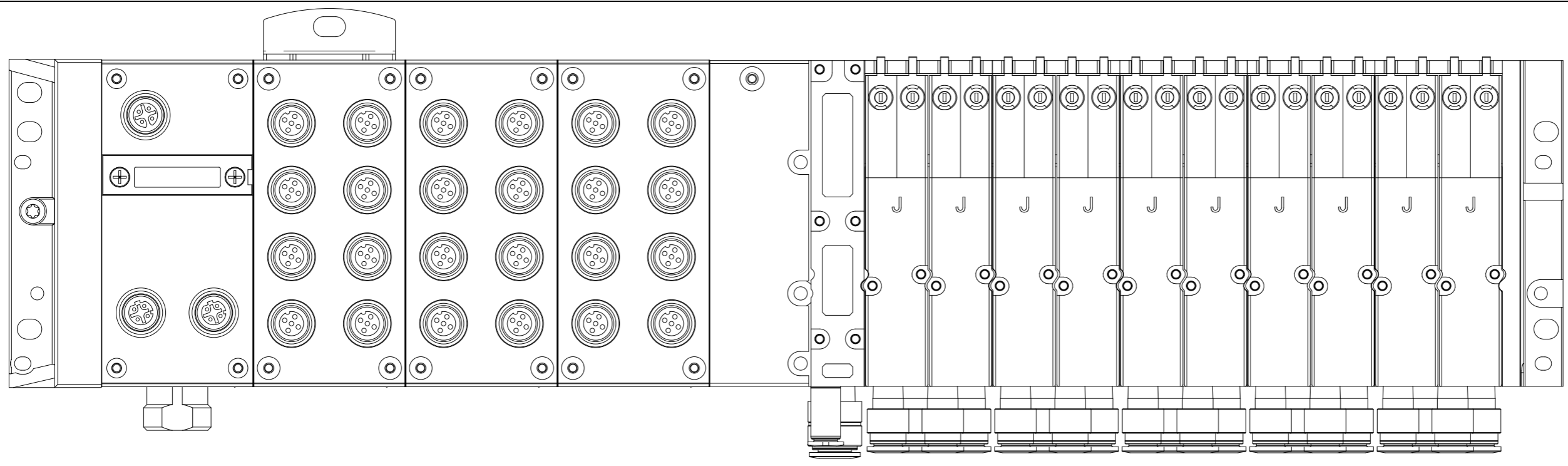


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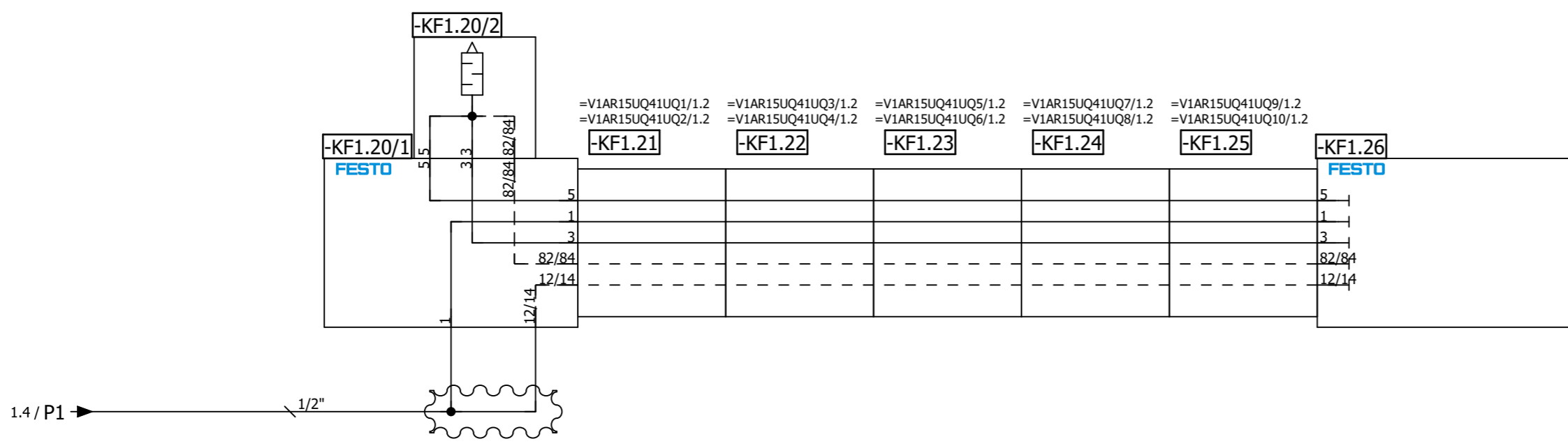
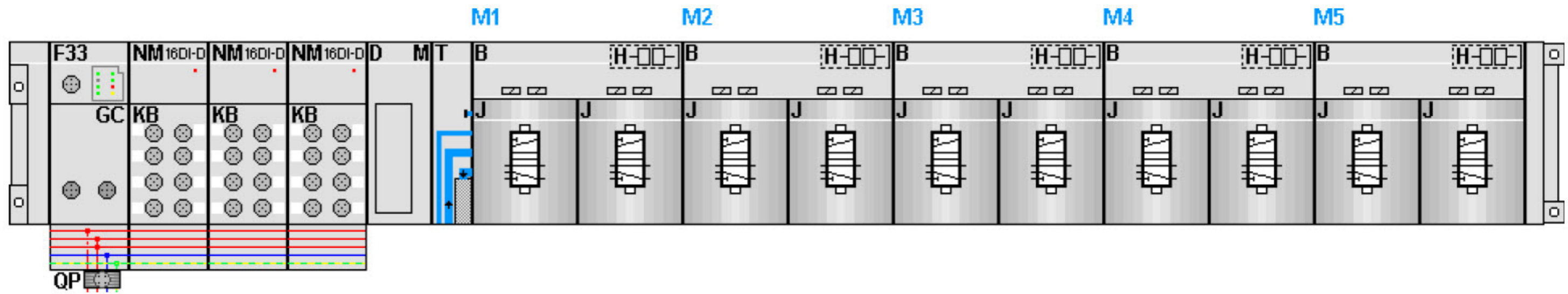
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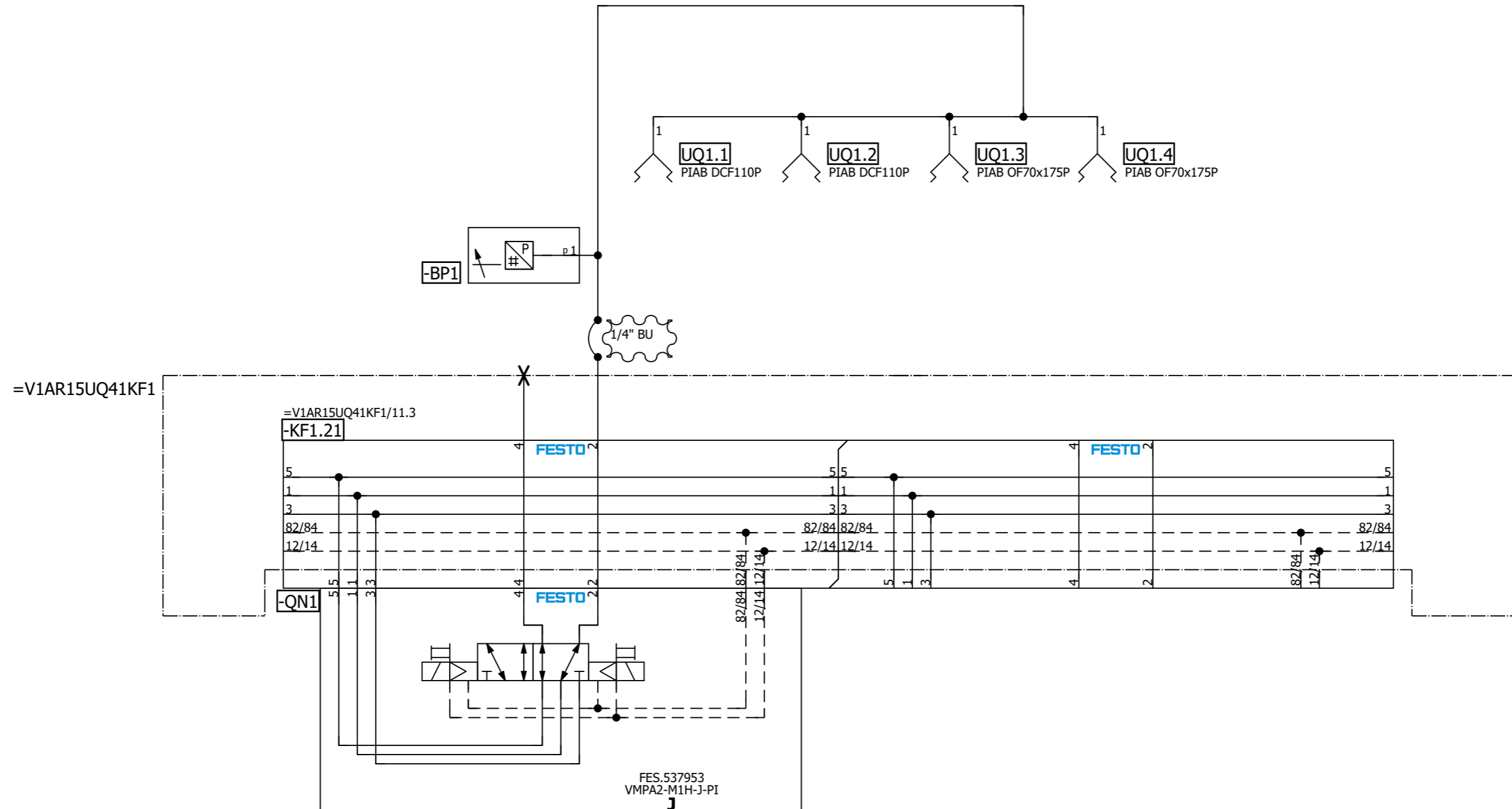
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Appr			Replacement of		Scale 1:1		Document type:	Project nr:	Page
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Date		12/21/2022	Volvo Trucks North America		Valiant TMS	AIR SUPPLY	Drawing name:		= V1AR15UQ41KF1			
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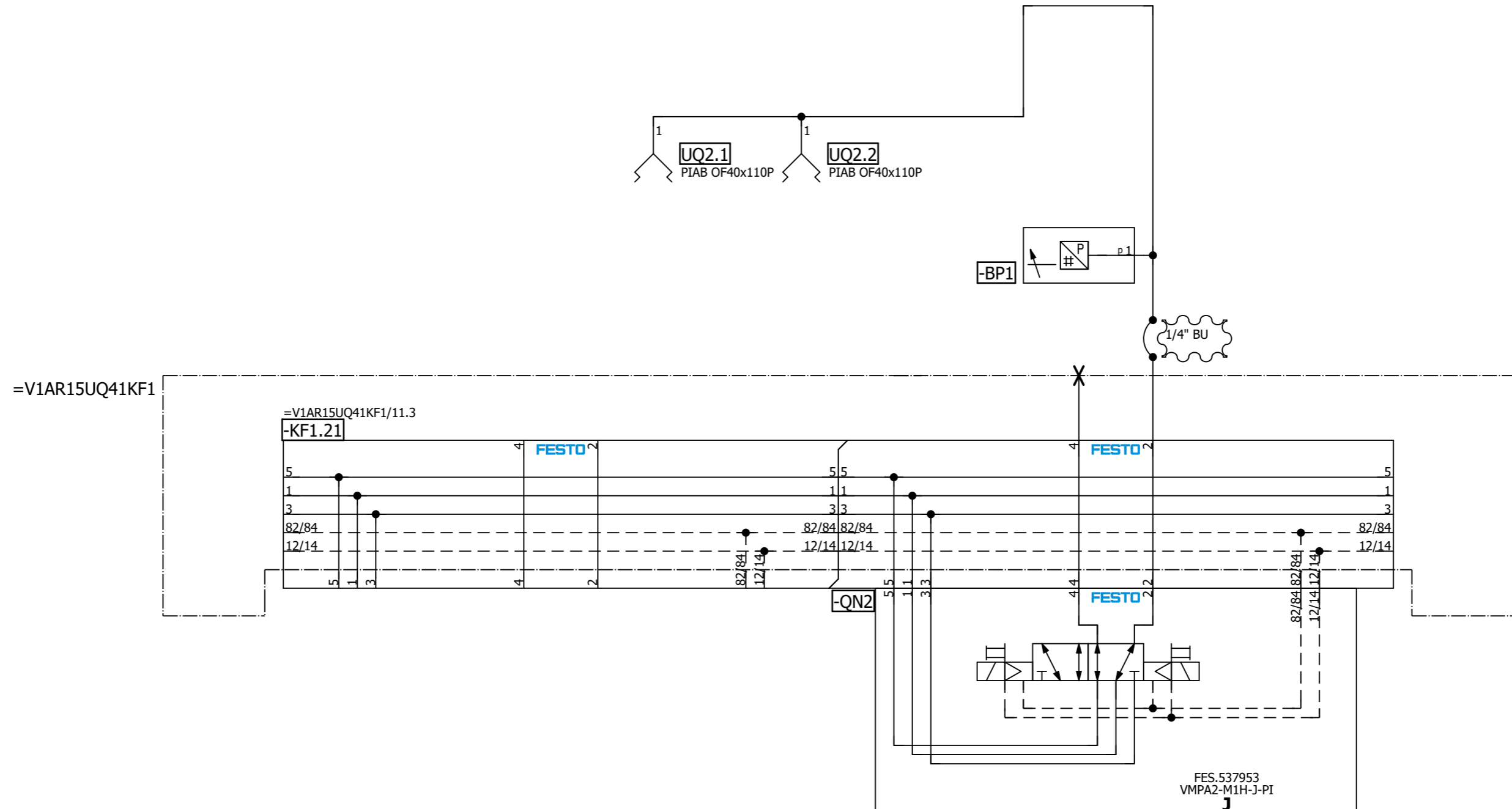
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Common  
Vacuums (SET)

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L230/320 Model  
Vacuums (RST)

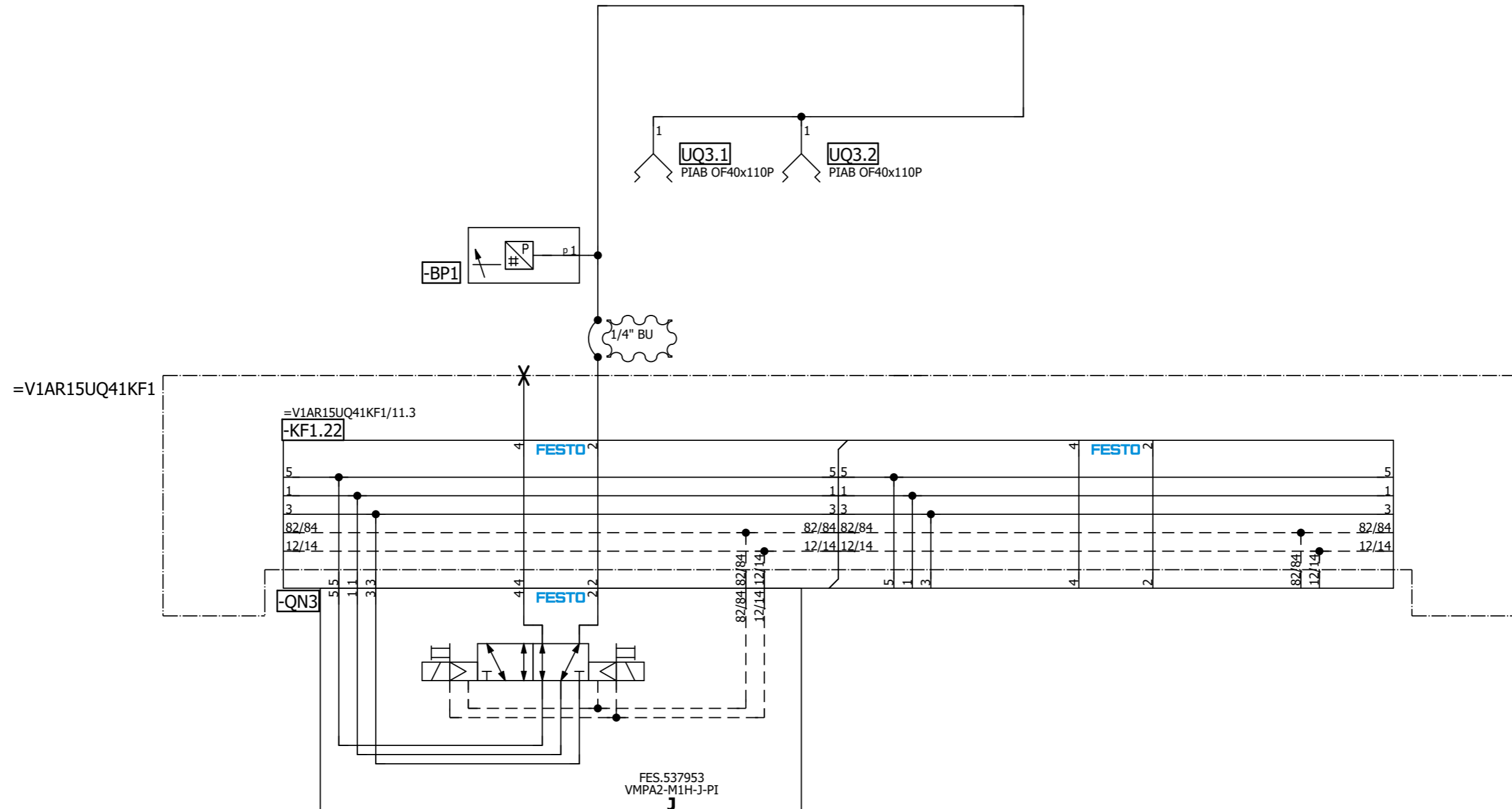
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L290 Model  
Vacuums (RST)

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L290 Model  
Vacuums (SET)

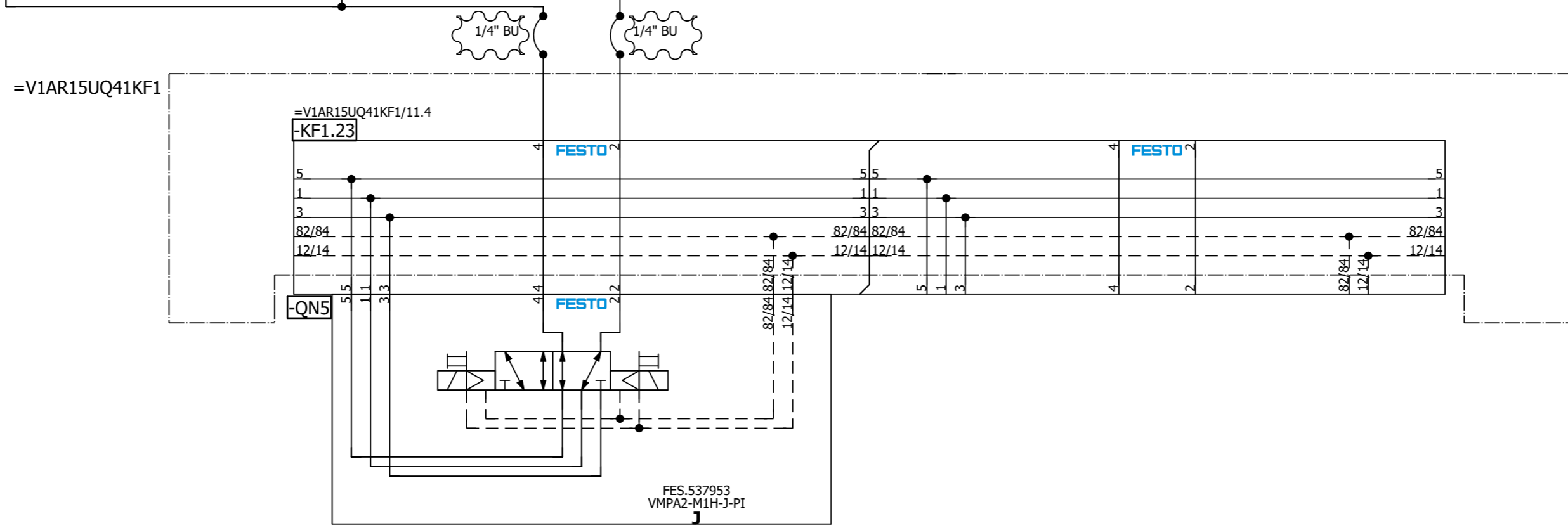
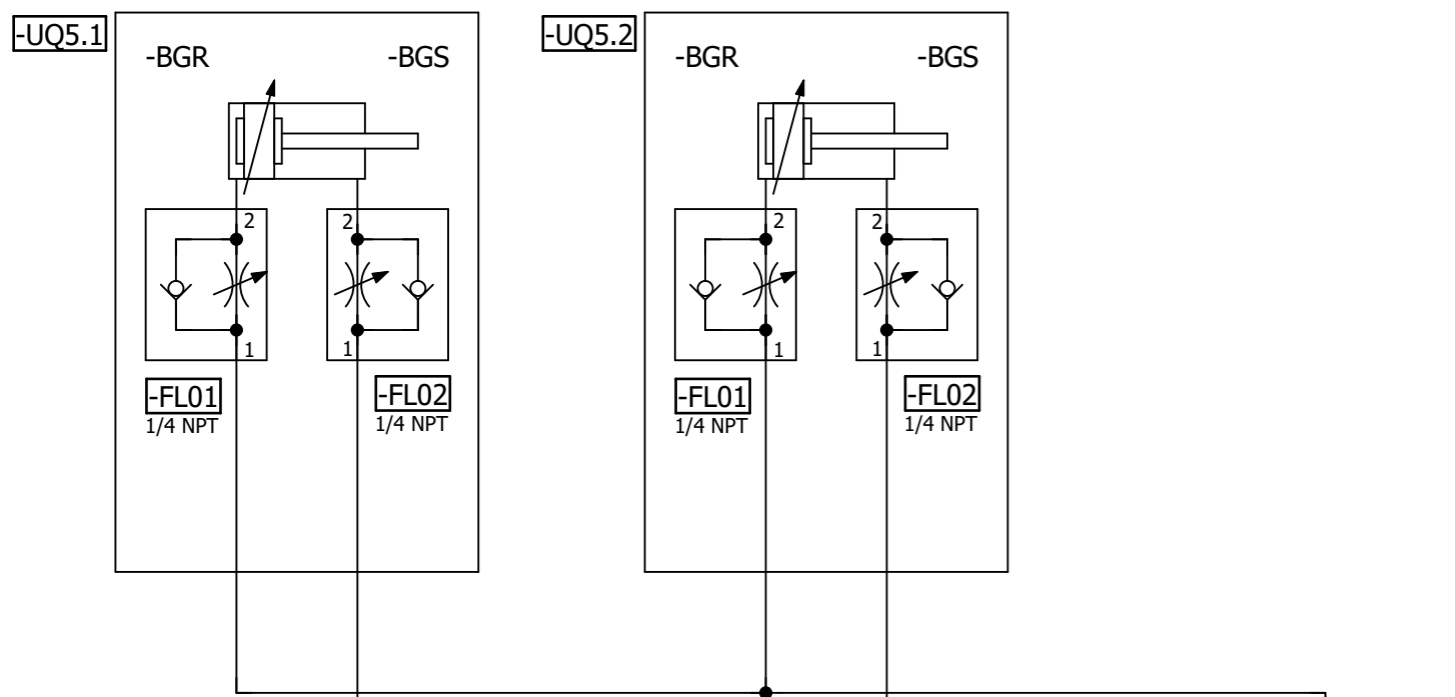
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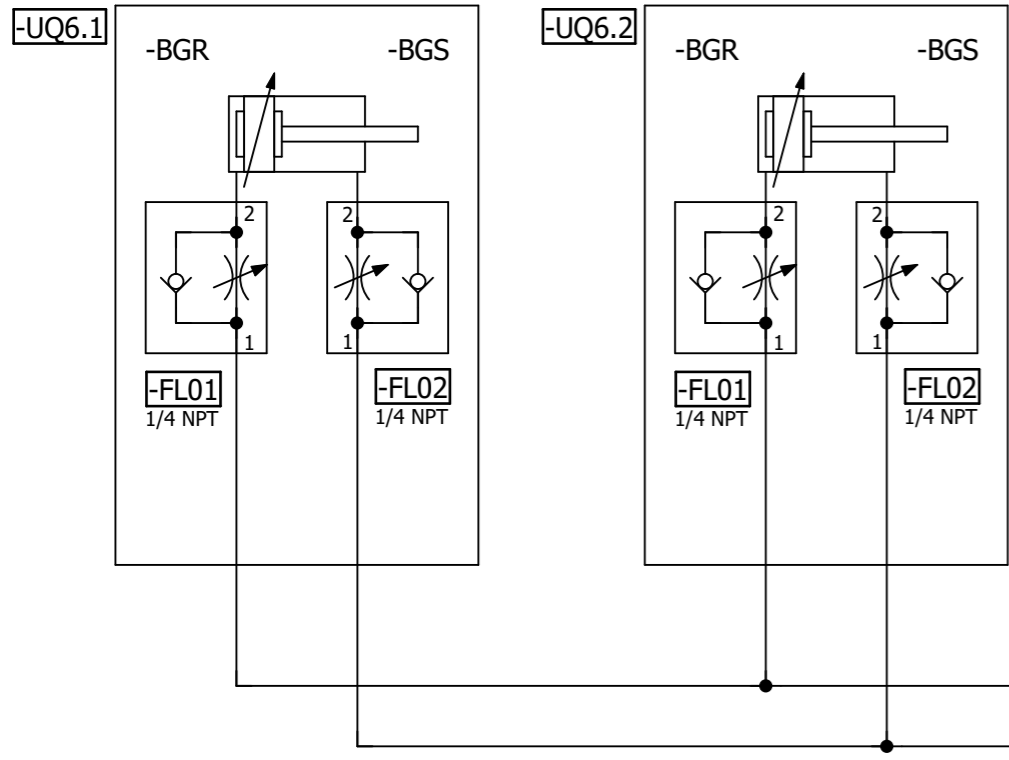
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Common  
Clamps (RST)

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Common  
Clamps (SET)

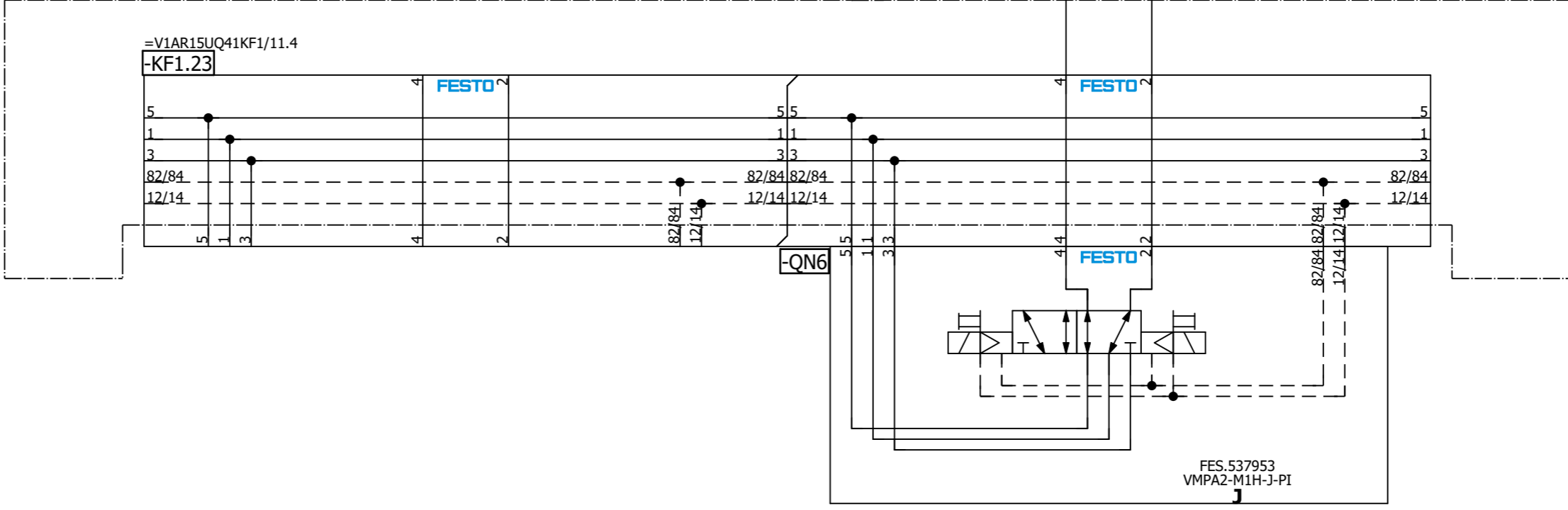
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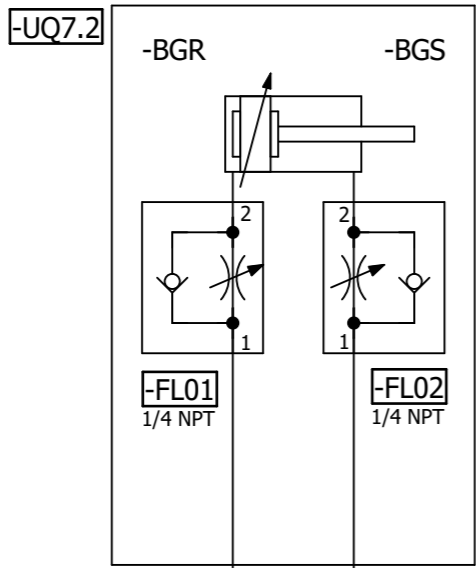
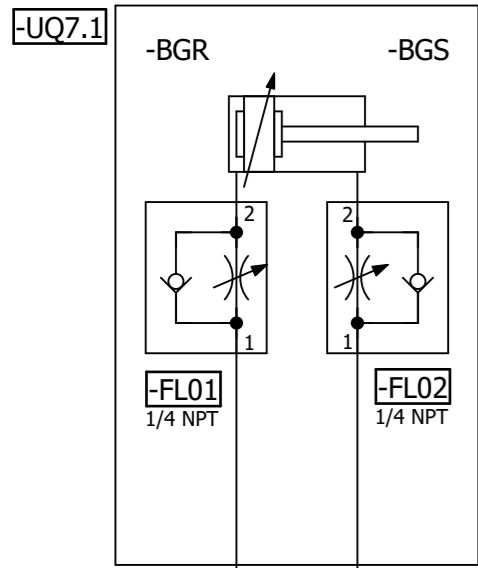
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L150 Model  
Clamps (RST)

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L150 Model  
Clamps (SET)

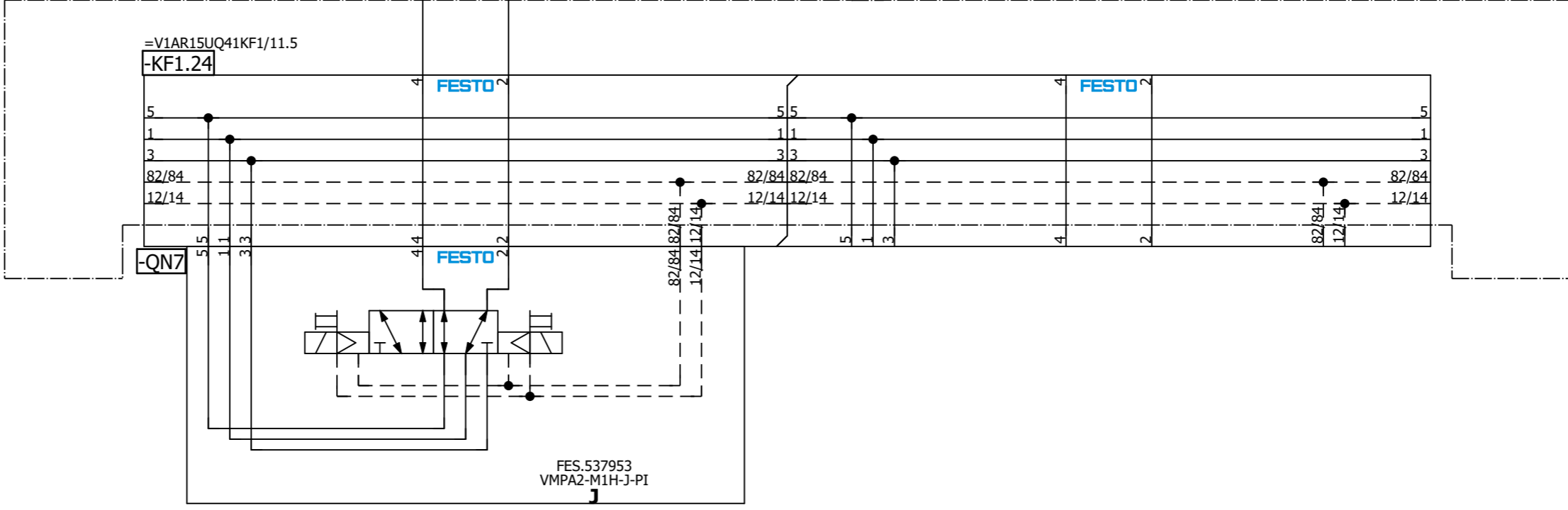
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		Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type: MFS		Project nr: 22-16151	
Modification	Date	Name	Original	Replacement of	Replaced by					Page		1	
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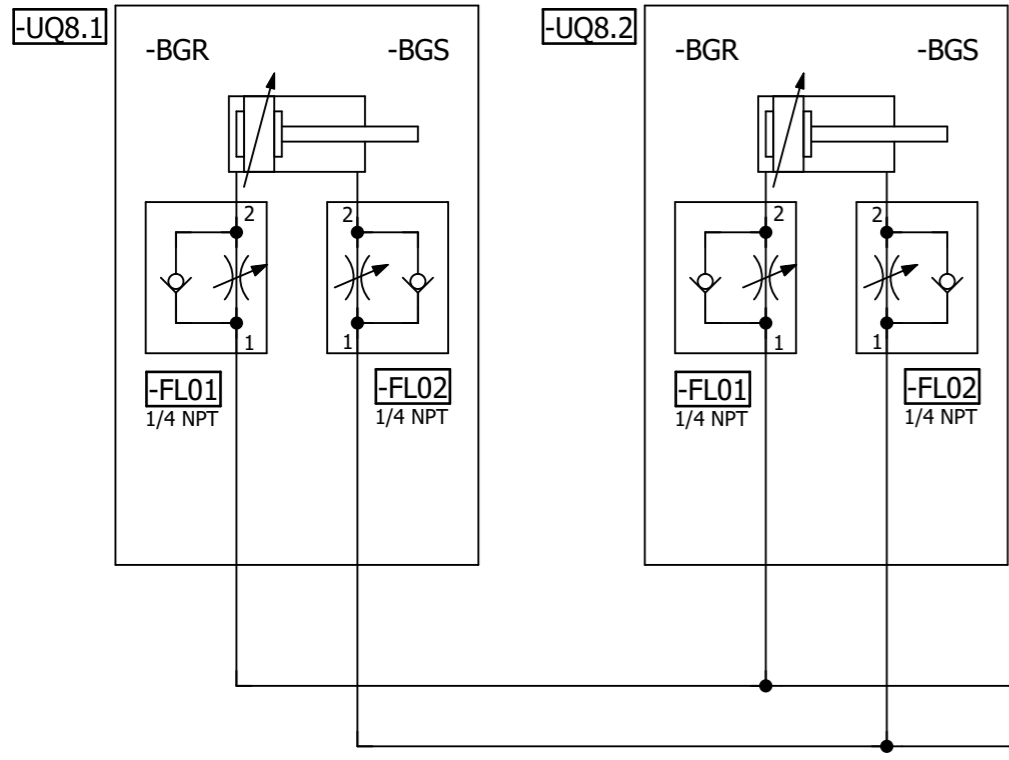
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L230 Model  
Clamps (RST)

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L230 Model  
Clamps (SET)

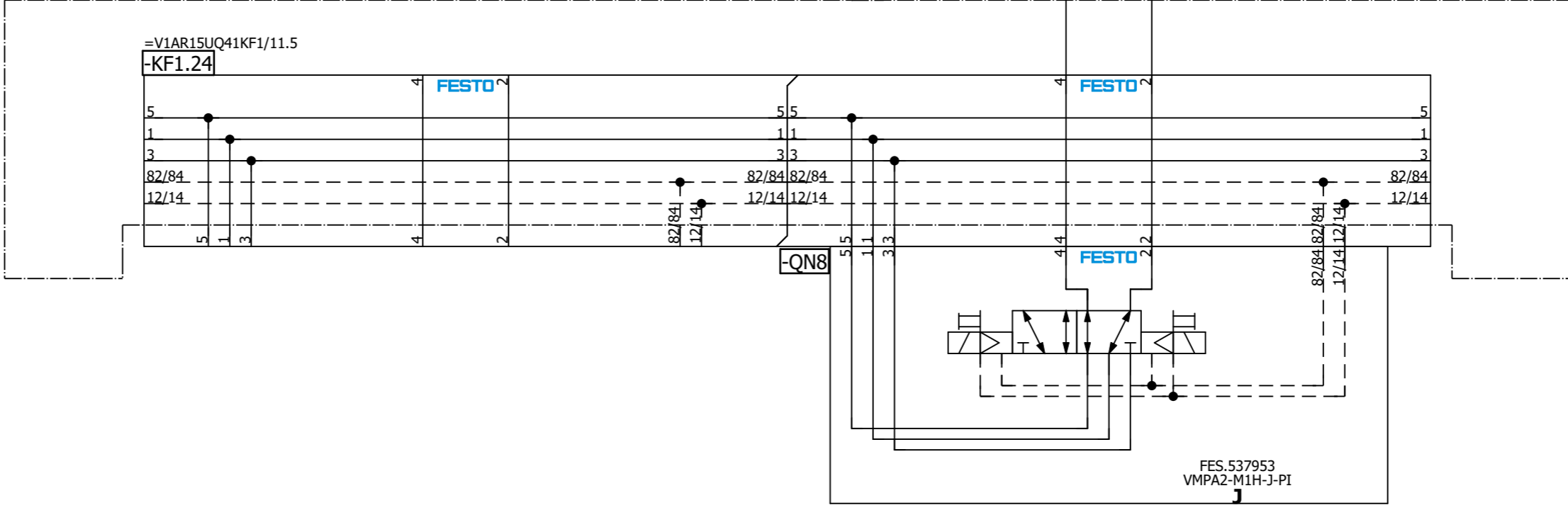
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Ed.: MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		L230 Model Clamps		Document type: MFS		+ V1AR15UQ41	
Appr:		Replacement of		Replaced by		Project nr: 22-16151		Page 1	
Original								227	



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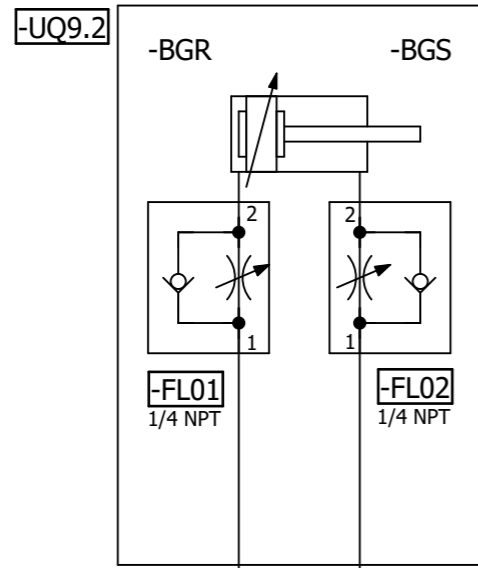
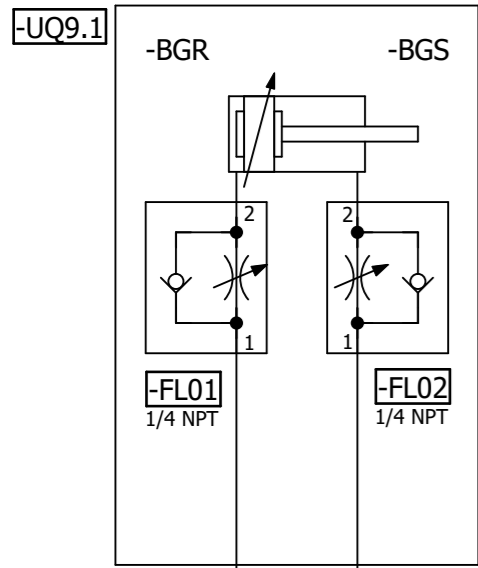


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L290 Model  
Clamps (RST)

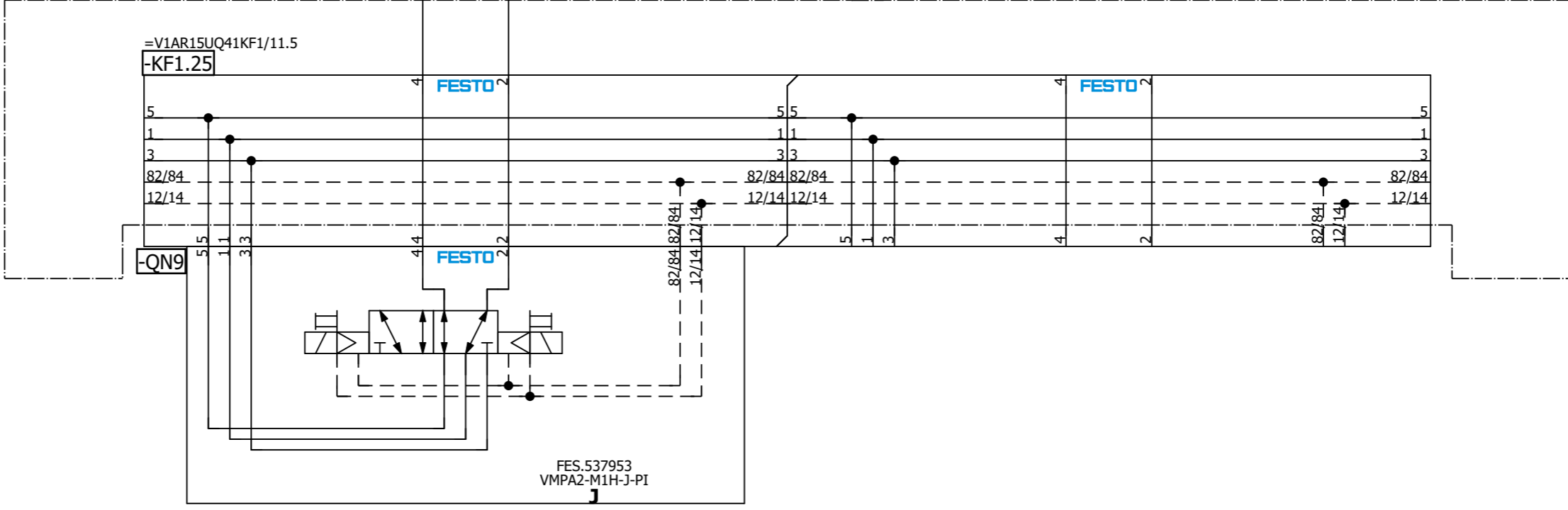
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-UQ8-QN8.2  
L290 Model  
Clamps (SET)

=V1AR15UQ41UQ7/1

=V1AR15UQ41UQ9/1



=V1AR15UQ41KF1



=V1AR15UQ41  
 -UQ9-QN9.1  
 L320 Model  
 Clamps (RST)

=V1AR15UQ41  
 -UQ9-QN9.2  
 L320 Model  
 Clamps (SET)

=V1AR15UQ41UQ8/1

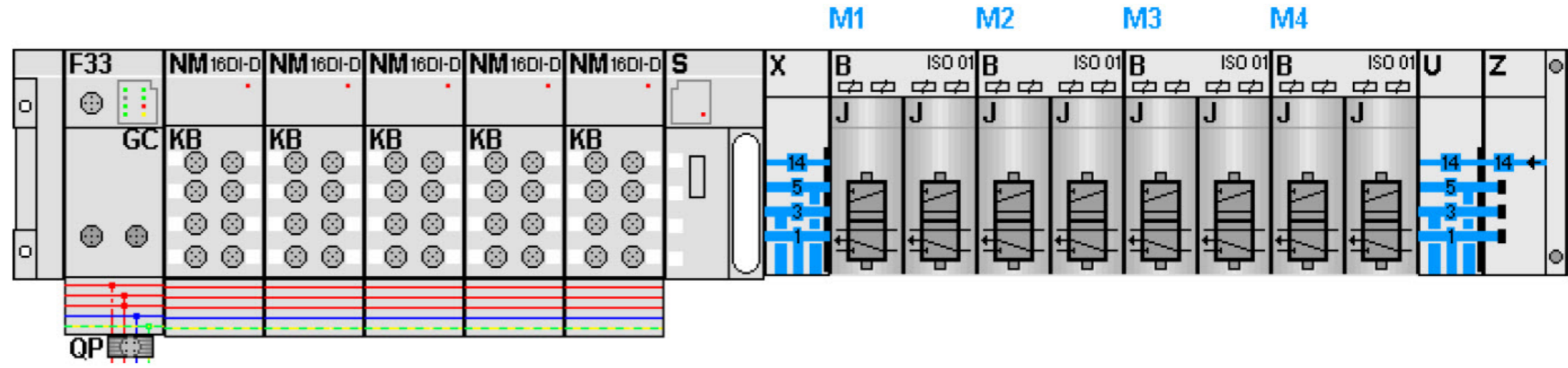
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Appr:		Replacement of		Replaced by				Project nr: 22-16151		Page 1	
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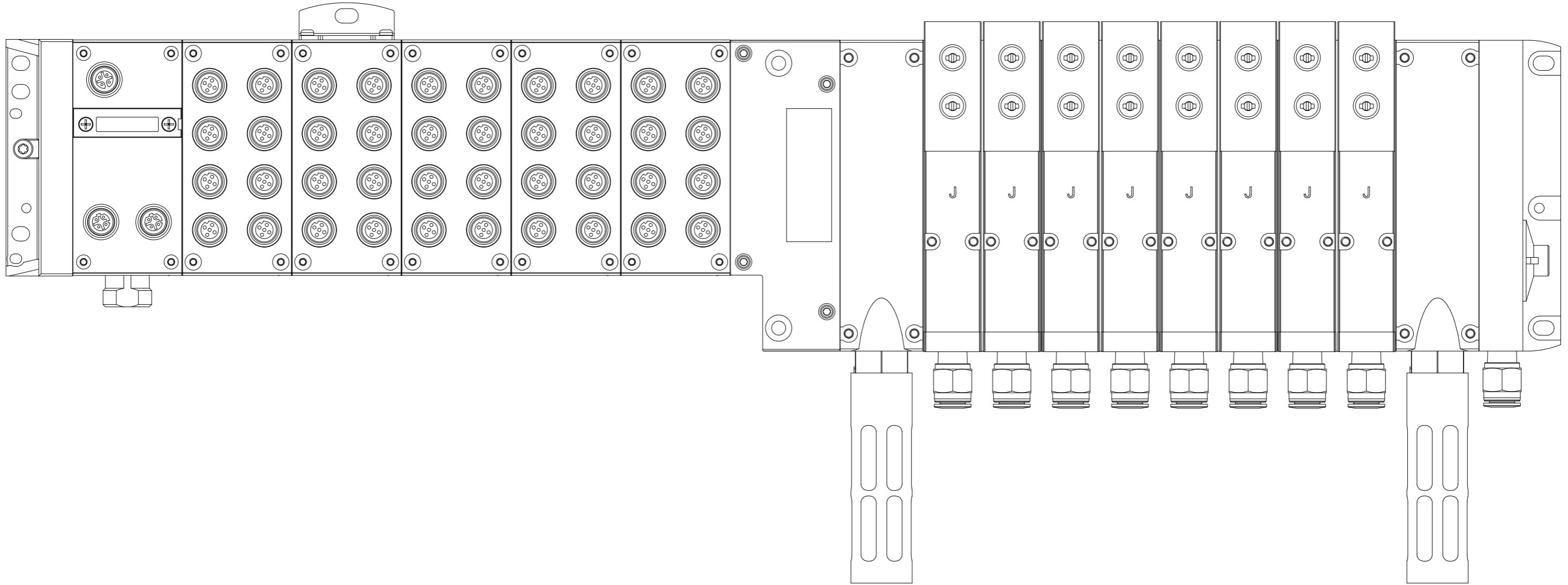






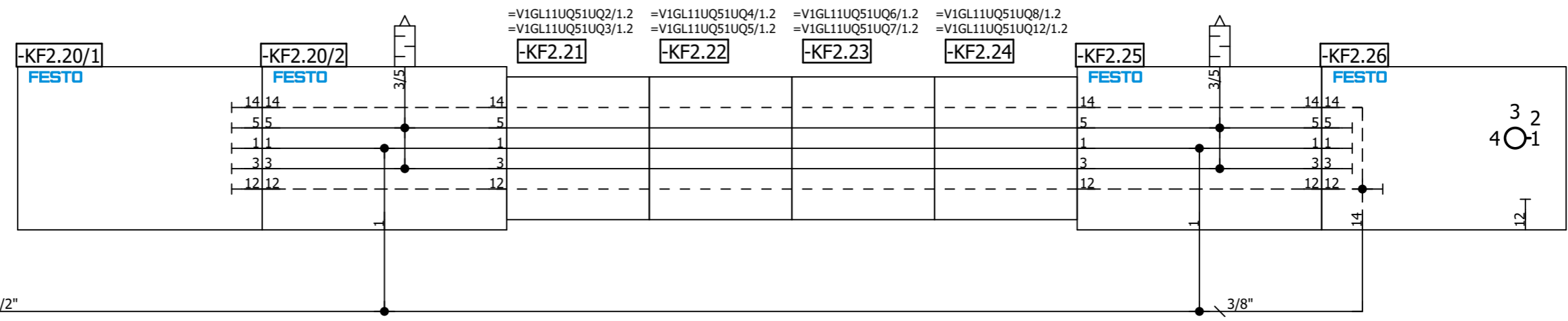
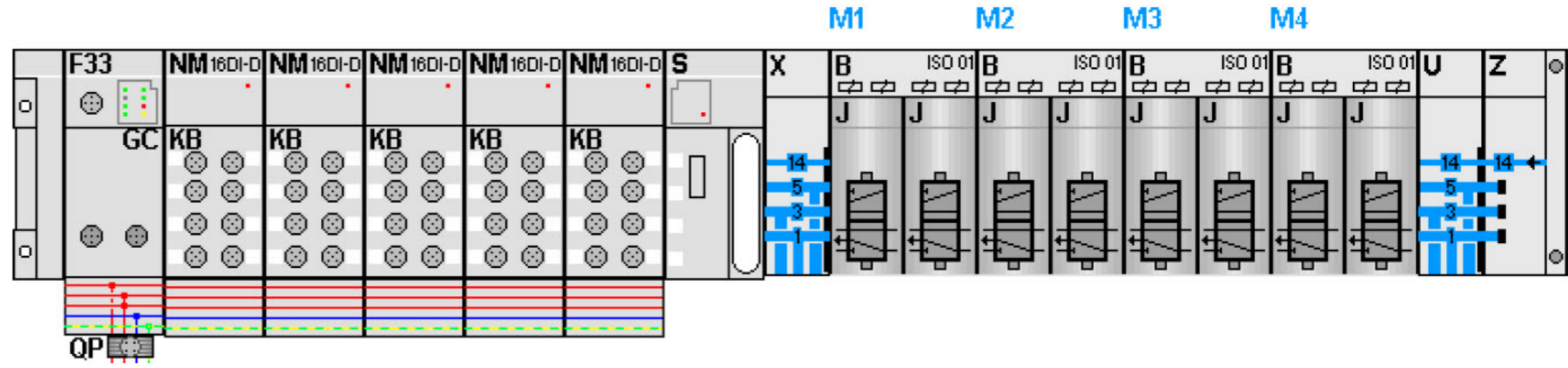


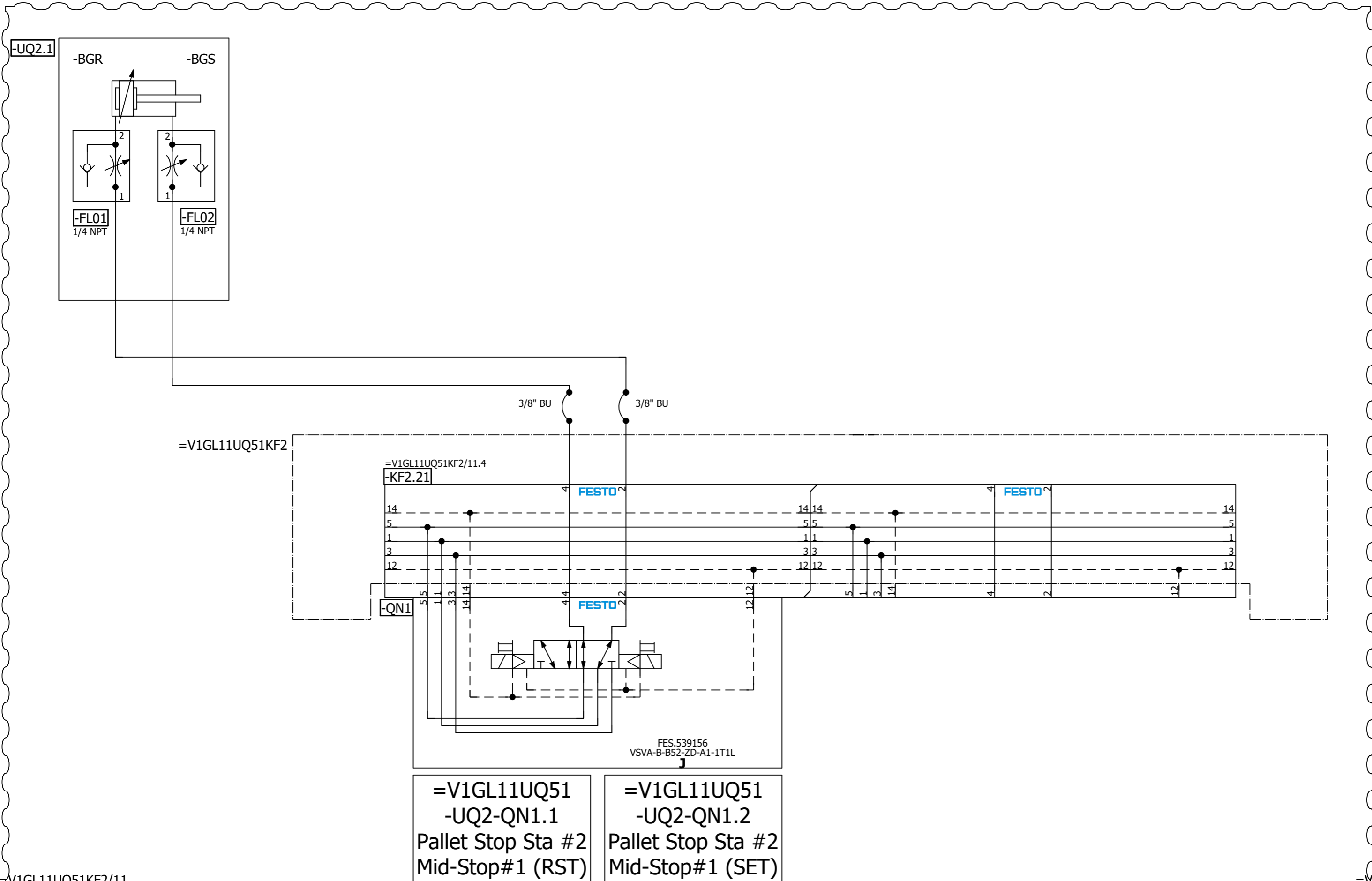
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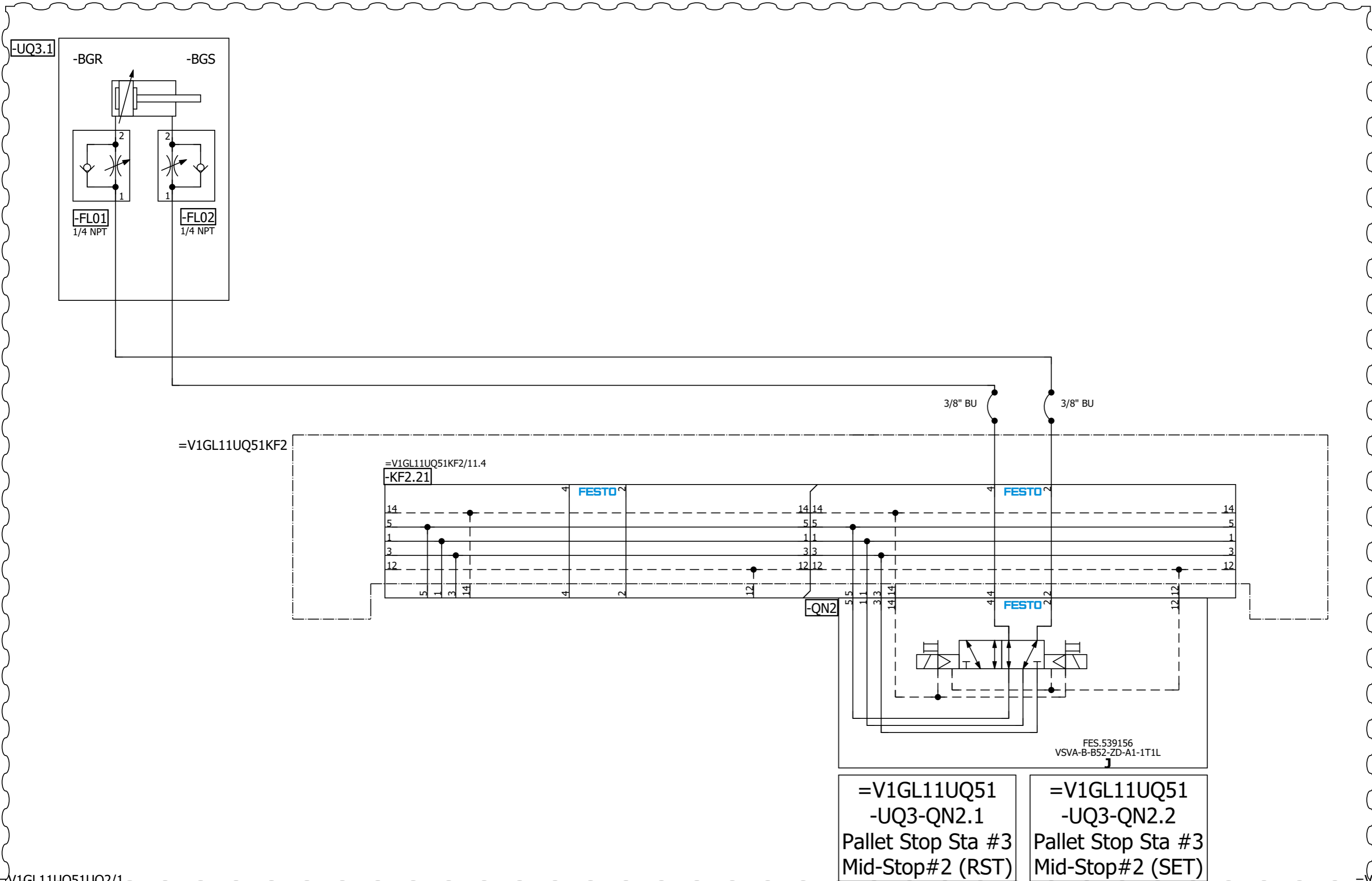
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04			Scale 1:1				Document type:		= 2V04&MFS-PNEU		
Appr			Replacement of		Replaced by				Project nr:		22-16151	Page	5	
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=V1GL11UQ51KF2/11.4      =V1GL11UQ51KF2/11.4      =V1GL11UQ51UQ3/1

Date		12/21/2022		Volvo Trucks North America		Valiant TMS		Pallet Stop Station #2 Mid-Stop #1		Drawing name:		= V1GL11UQ51UQ2	
Ed.		MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type:		+ V1GL11UQ51	
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Modification		Date		Name						22-16151		1	
										MFS		227	

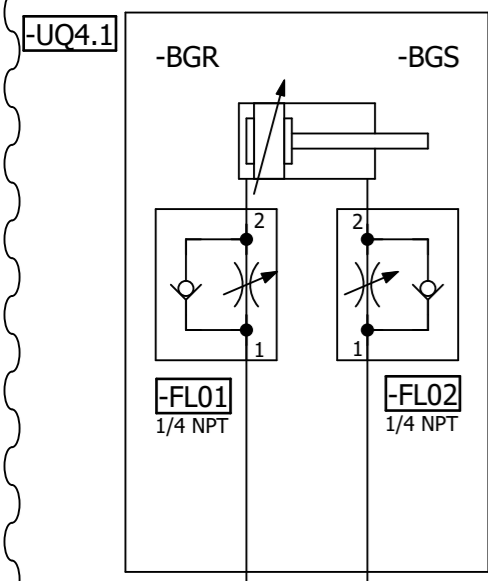


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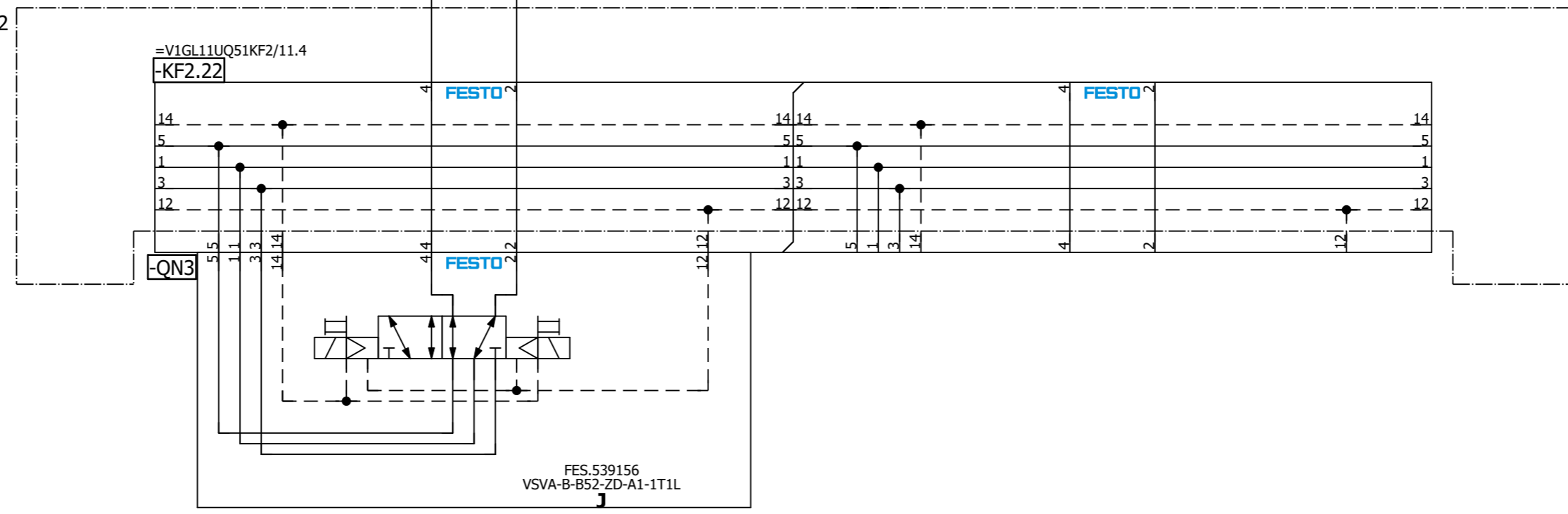
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Pallet Stop Sta #3  
Mid-Stop#2 (RST)

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-UQ3-QN2.2  
Pallet Stop Sta #3  
Mid-Stop#2 (SET)

Modification		Date	Name	Date	12/21/2022	Ed.	MKLEPADLO	Appr.	Original	Volvo Trucks North America	Valiant TMS	Pallet Stop Station #3 Mid-Stop #2	Drawing name:	= V1GL11UQ51UQ3 + V1GL11UQ51	Project nr:	22-16151	Page	1
										Replacement of	Replaced by	Scale 1:1	Document type:	MFS				227



=V1GL11UQ51KF2



=V1GL11UQ51  
-UQ4-QN3.1  
Pallet Stop Sta #4  
Pre-Unload (RST)

=V1GL11UQ51  
-UQ4-QN3.2  
Pallet Stop Sta #4  
Pre-Unload (SET)

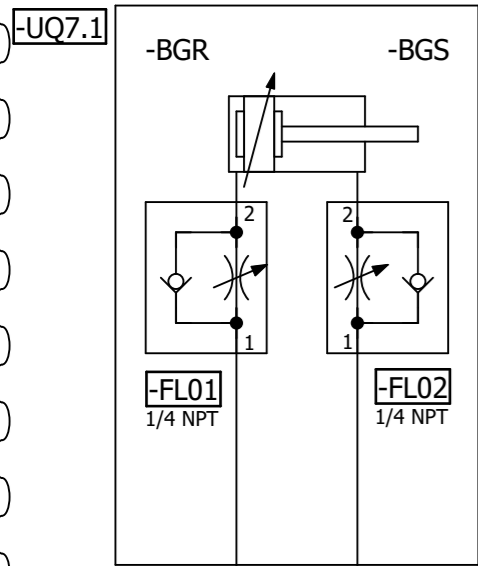
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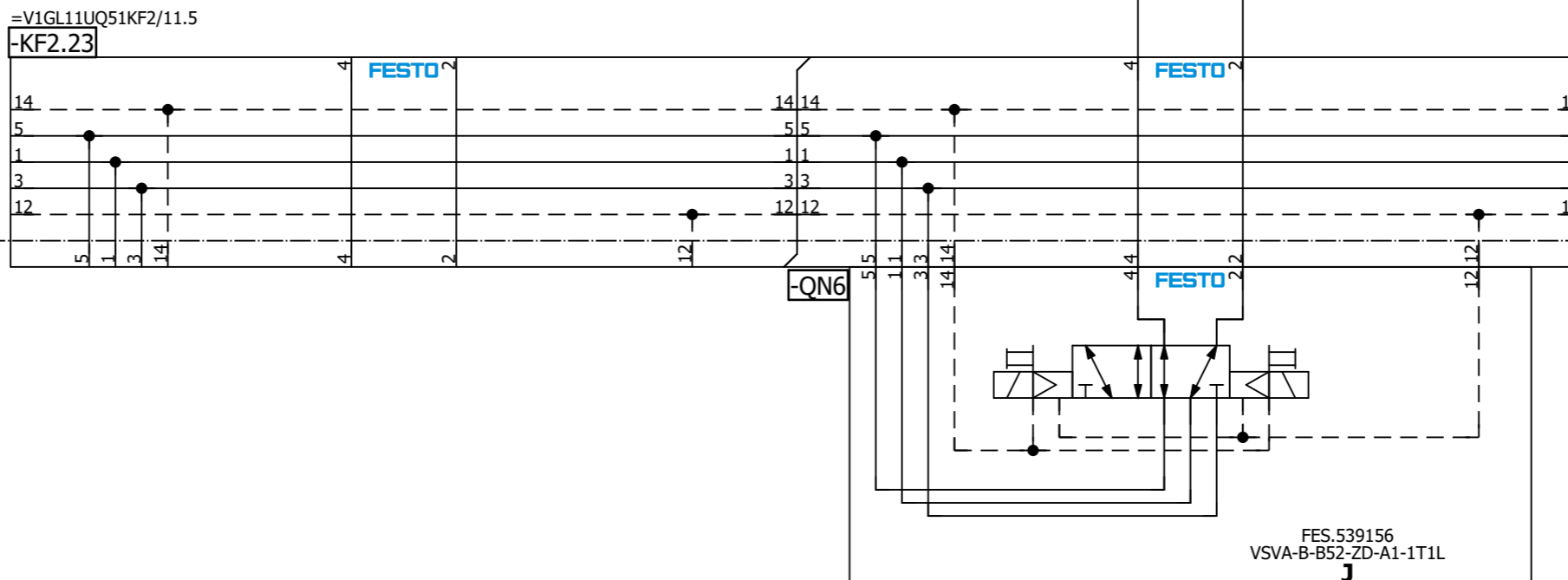
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Original										227	







=V1GL11UQ51KF2



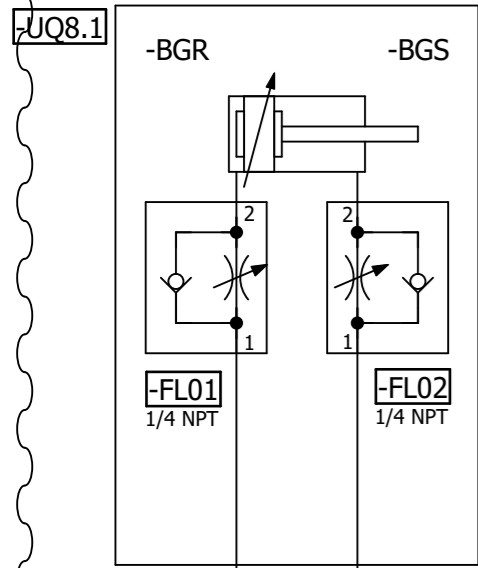
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Mid-Stop#4 (RST)

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-UQ7-QN6.2  
Pallet Stop Sta #7  
Mid-Stop#4 (SET)

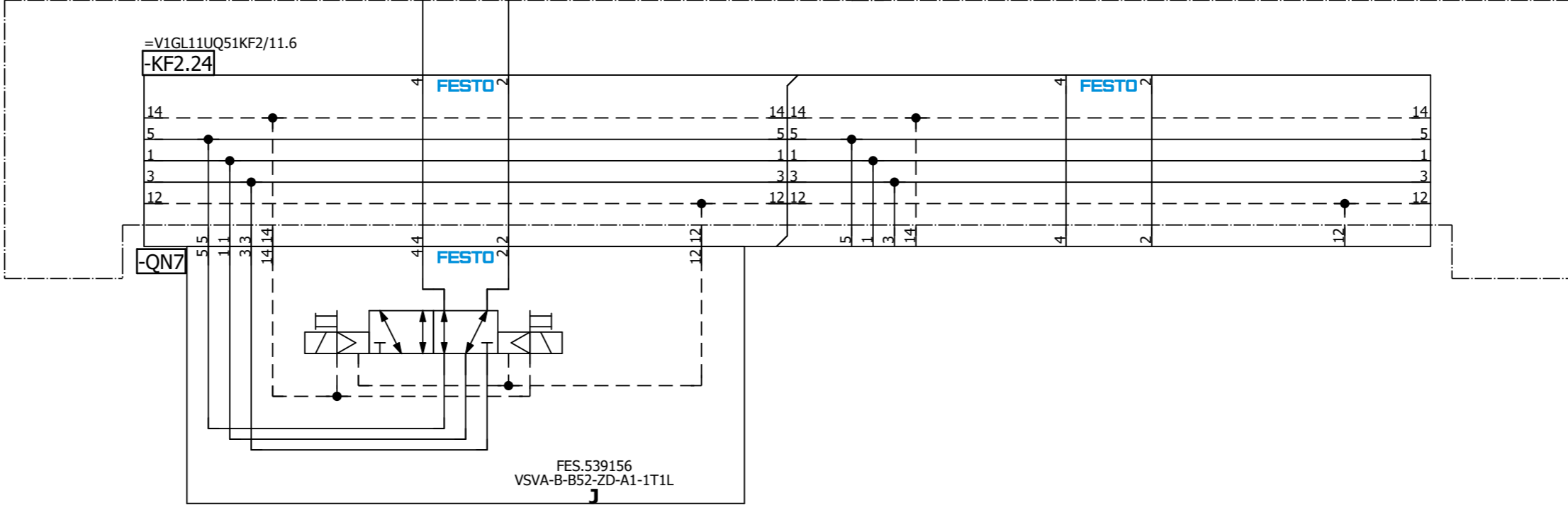
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Ed.		MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type:		= 2V04&MFS-PNEU	
Appr				Replacement of		Replaced by				Project nr:		22-16151	
Original										Page		1	
Modification		Date		Name						MFS		227	





=V1GL11UQ51KF2



=V1GL11UQ51  
-UQ8-QN7.1  
Pallet Stop Sta #8  
Mid-Stop#5 (RST)

=V1GL11UQ51  
-UQ8-QN7.2  
Pallet Stop Sta #8  
Mid-Stop#5 (SET)

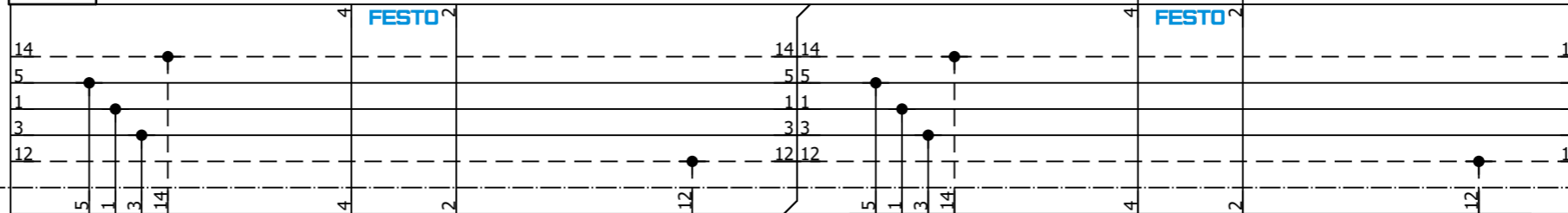
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P6700 Underbody Mainline - Cell 2V04			Scale 1:1				Document type: MFS		Project nr: 22-16151	
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Original										

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=V1GL11UQ51KF2/11.6  
-KF2.24



-QN8

FESTO

FESTO

FES.539156  
VSVA-B-B52-ZD-A1-1T1L

=V1GL11UQ51  
-QN8.1  
Spare (RST)

=V1GL11UQ51  
-QN8.2  
Spare (SET)

=V1GL12+KH1/1

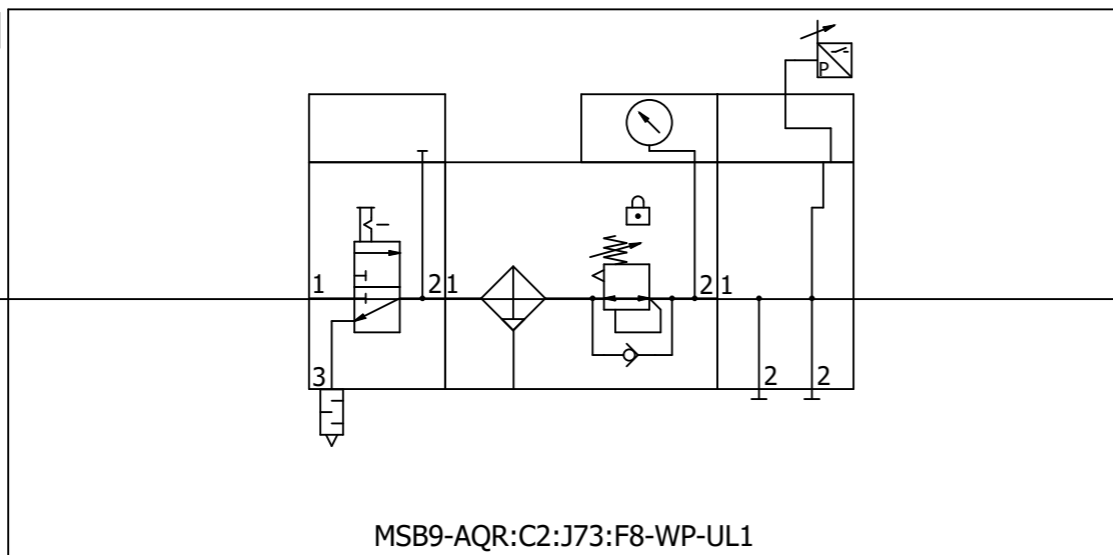
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Modification		Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Project nr: 22-16151	Page 1
		12/21/2022	MKLEPADLO						
Volvo Trucks North America				P6700 Underbody Mainline - Cell 2V04		Valiant TMS		Spare QN8	
Drawing name: =2V04&MFS-PNEU				=V1GL11UQ51UQ12 + V1GL11UQ51		Document type: MFS		Project nr: 22-16151	



A2


=KH0+KH0/1.7 / +V1GL12KH1-P1 →

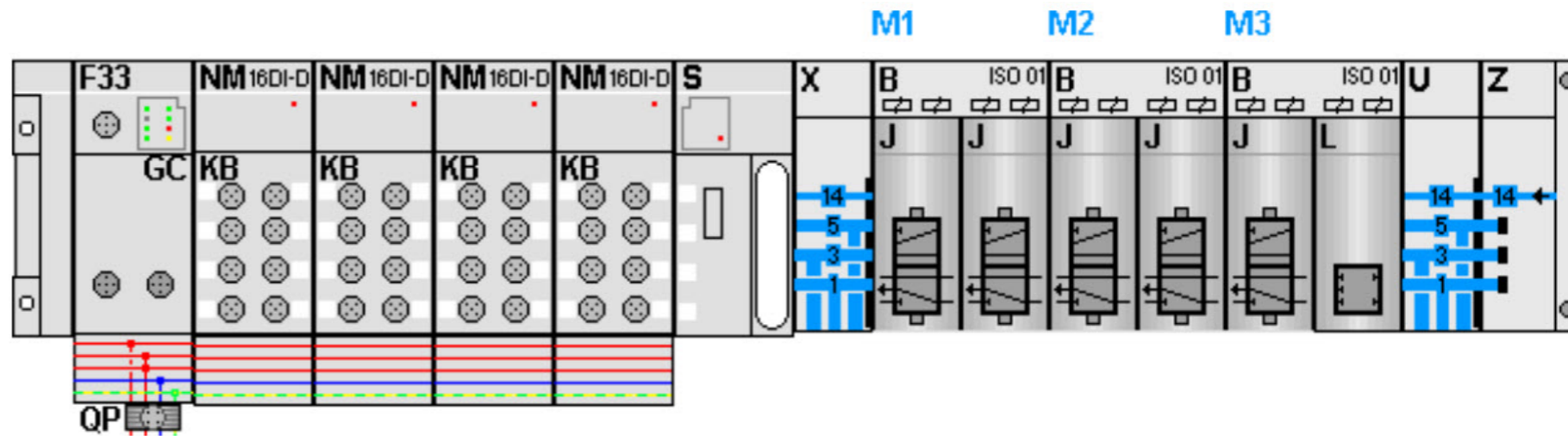


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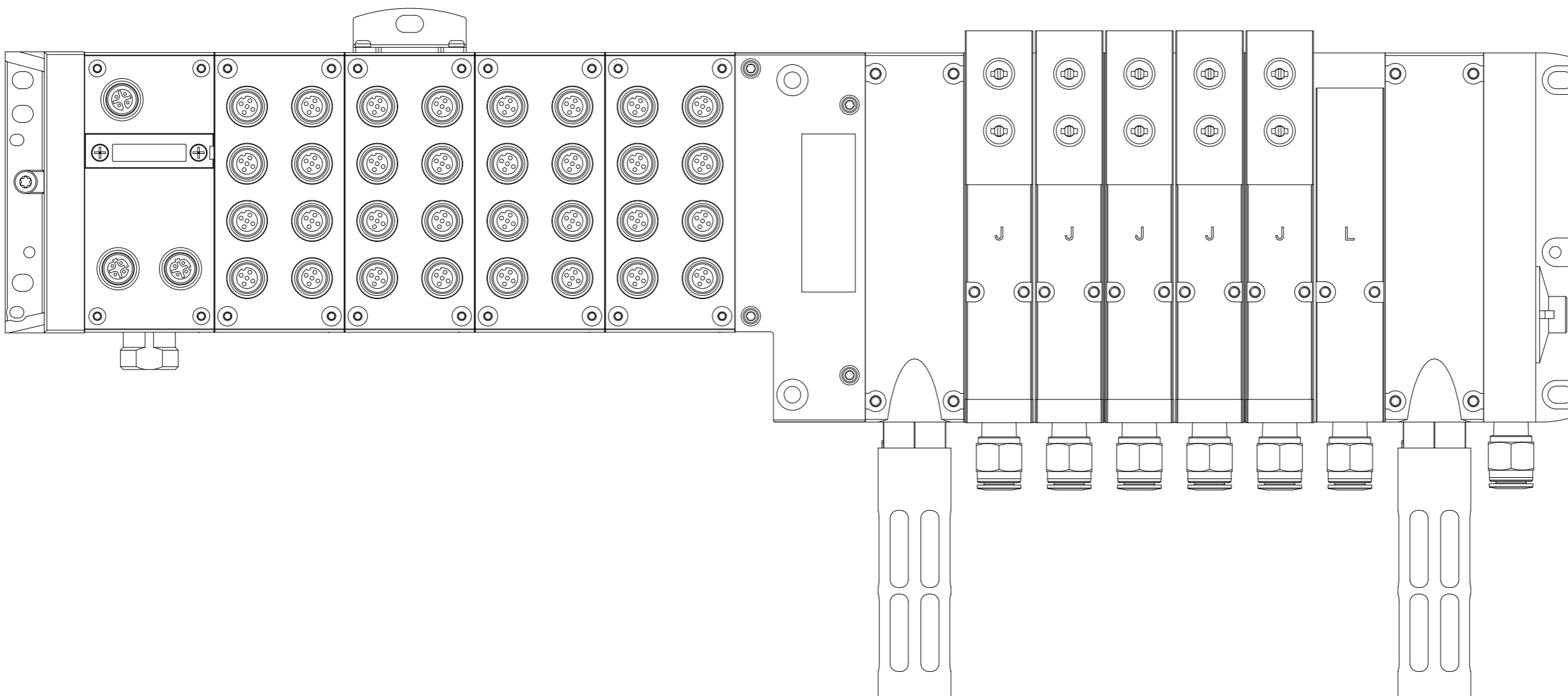
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			Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04					=2V04&MFS-PNEU	
			Appr.						Document type:	Project nr:	Page
Modification	Date	Name	Original		Replacement of	Replaced by	Scale 1:1		MFS	22-16151	1
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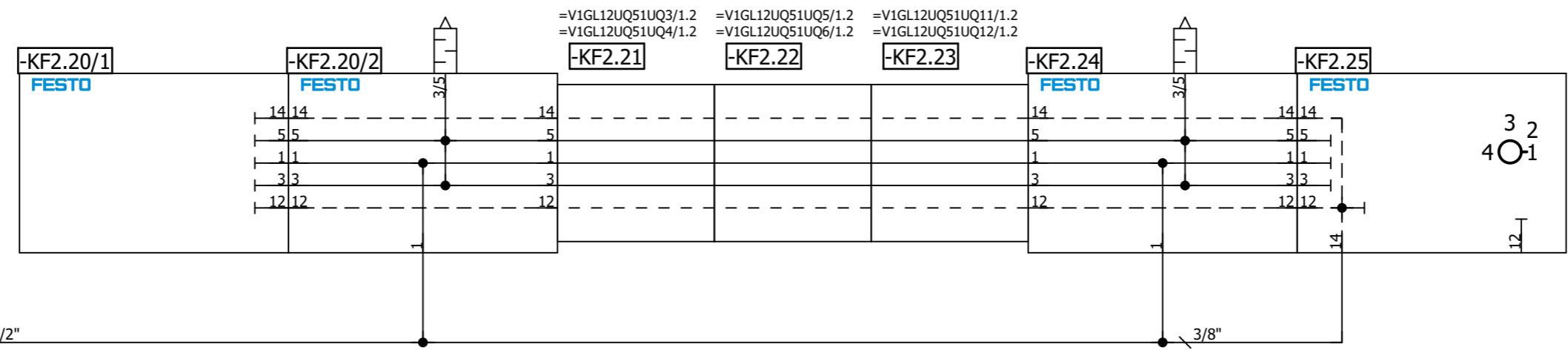
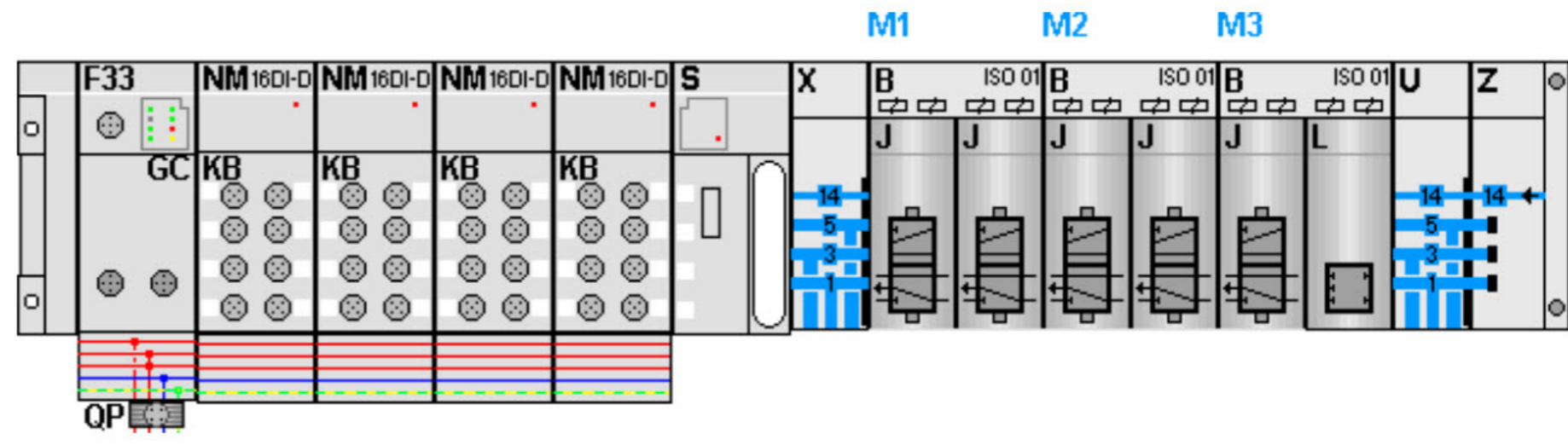


KF2.0



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Modification	Date	Name	Original	Replaced by					
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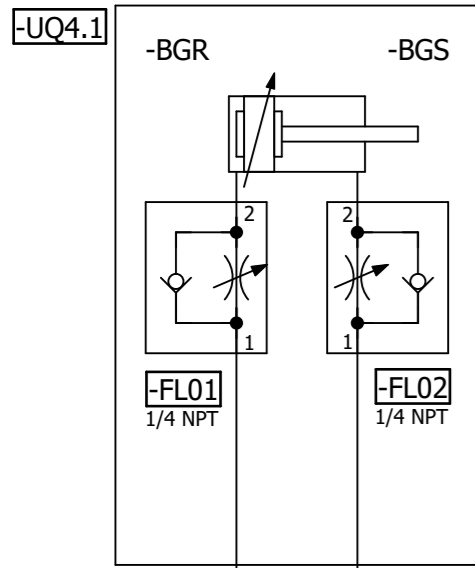


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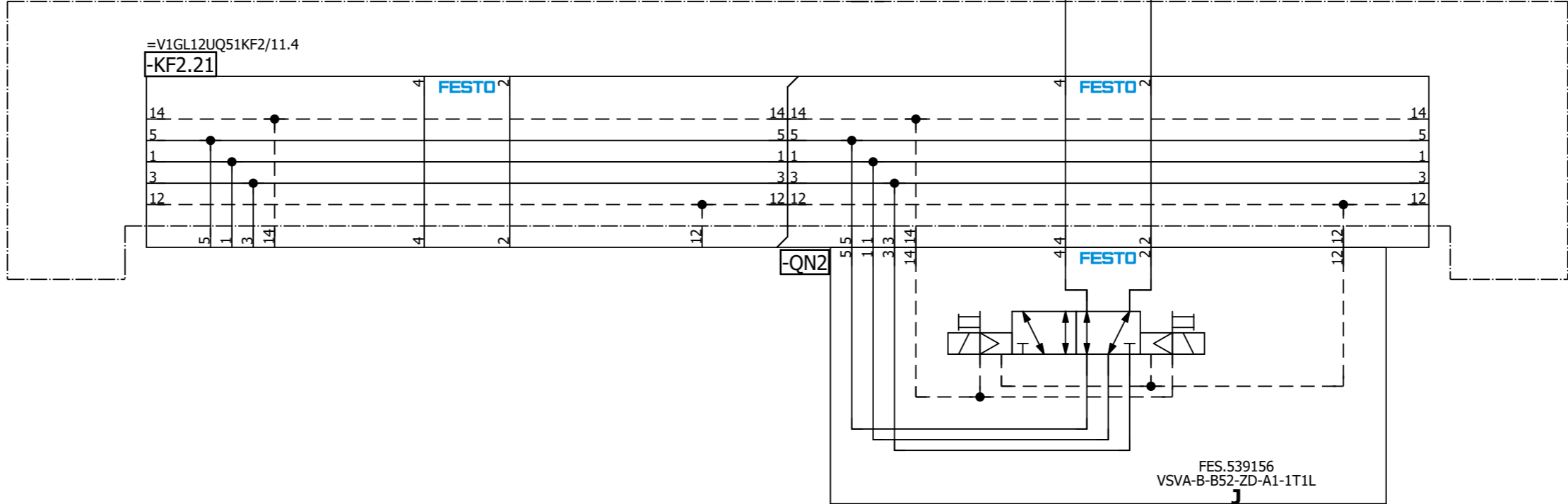
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04		Scale 1:1				= 2V04&MFS-PNEU		+ V1GL12UQ51	
Appr			Replacement of		Replaced by				Document type:		Project nr:	
Original									MFS		22-16151	
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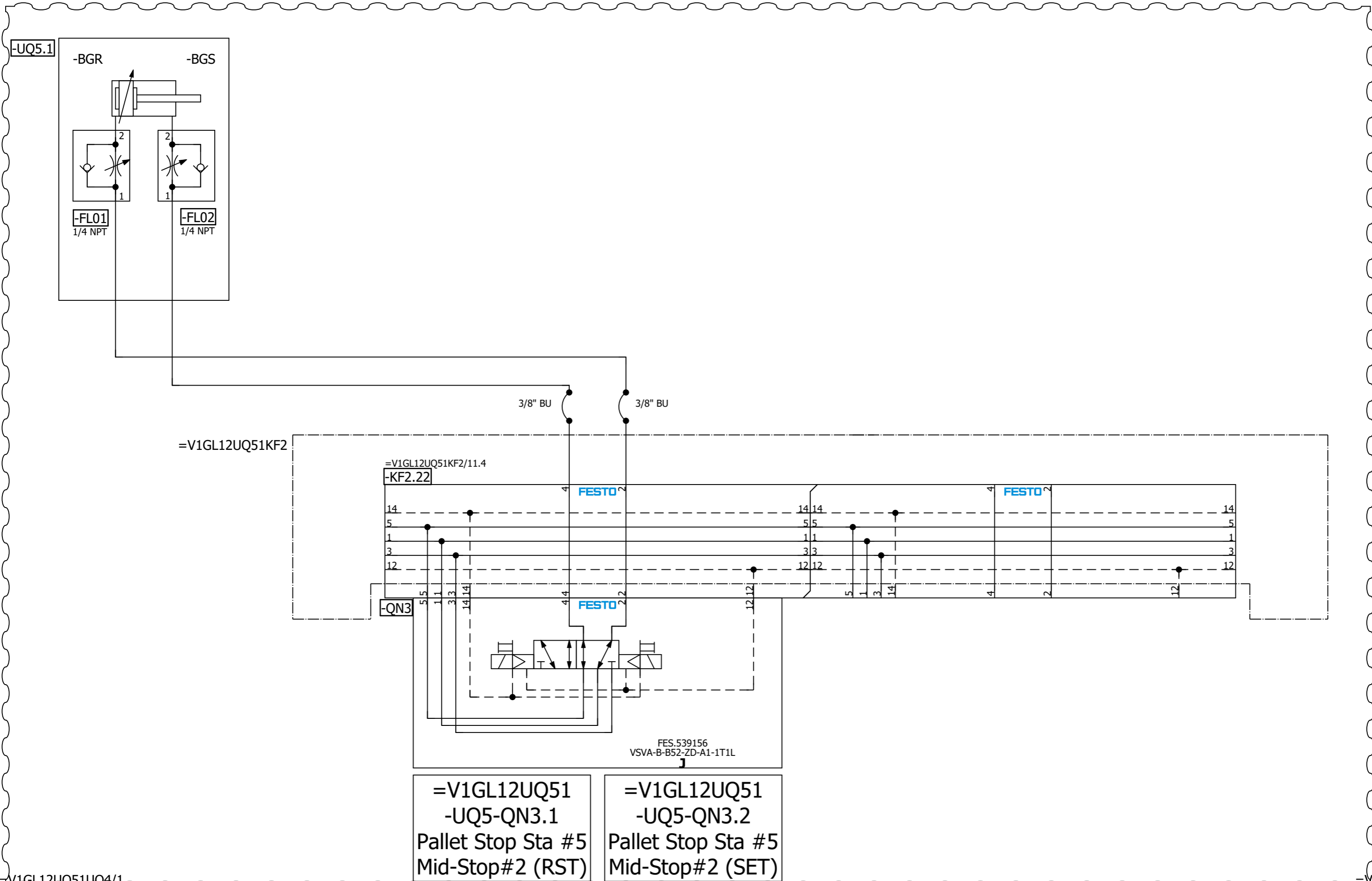
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Pallet Stop Sta #4  
Unload (RST)

=V1GL12UQ51  
-UQ4-QN2.2  
Pallet Stop Sta #4  
Unload (SET)

=V1GL12UQ51UQ5/1



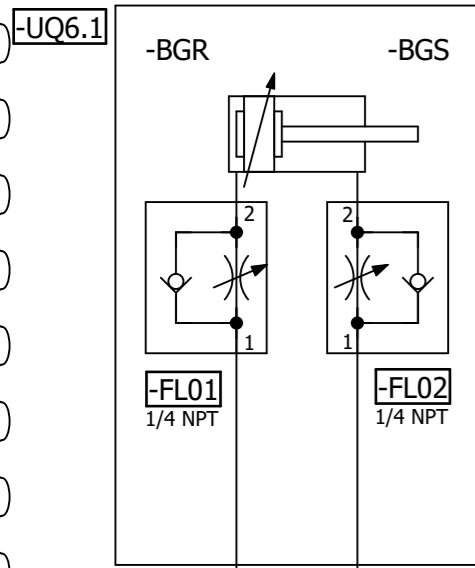
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Pallet Stop Sta #5  
Mid-Stop#2 (RST)

=V1GL12UQ51  
-UQ5-QN3.2  
Pallet Stop Sta #5  
Mid-Stop#2 (SET)

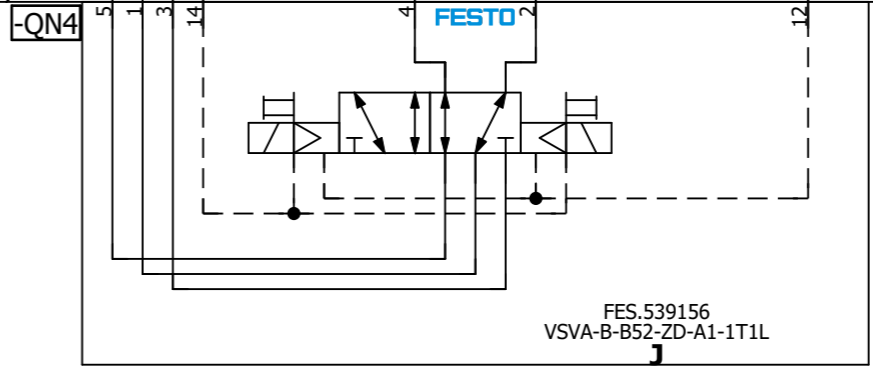
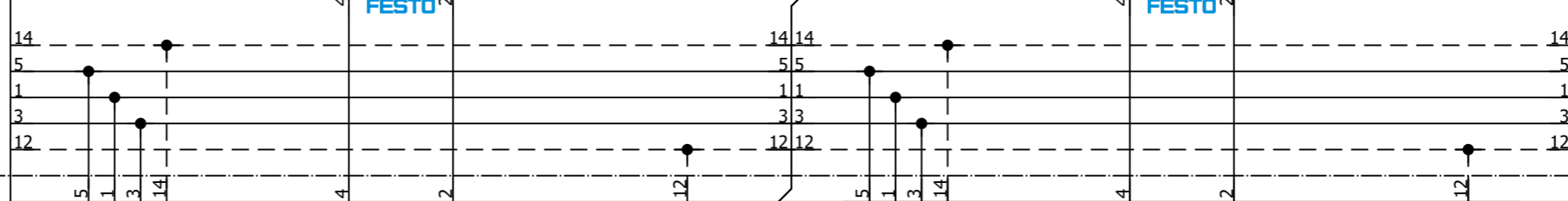
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				Appr				P6700 Underbody Mainline - Cell 2V04	Scale 1:1		Document type:	MFS	Project nr:	22-16151
				Original				Replacement of	Replaced by			+ V1GL12UQ51		227





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-UQ6-QN4.1  
Pallet Stop Sta #6  
Mid-Stop#3 (RST)

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Pallet Stop Sta #6  
Mid-Stop#3 (SET)

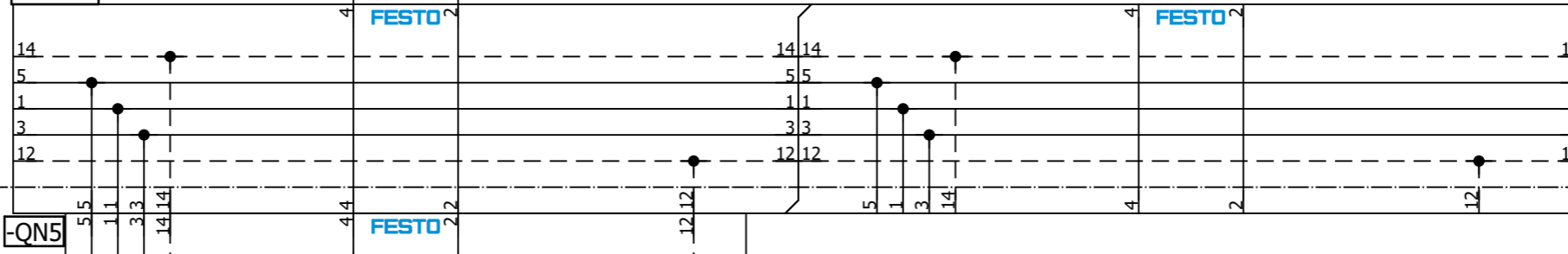
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			Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04					Document type: MFS		Project nr: 22-16151	
Modification	Date	Name	Original		Replacement of	Replaced by		Scale 1:1					227

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=V1GL12UQ51  
-QN5.1  
Spare (RST)

=V1GL12UQ51  
-QN5.2  
Spare (SET)

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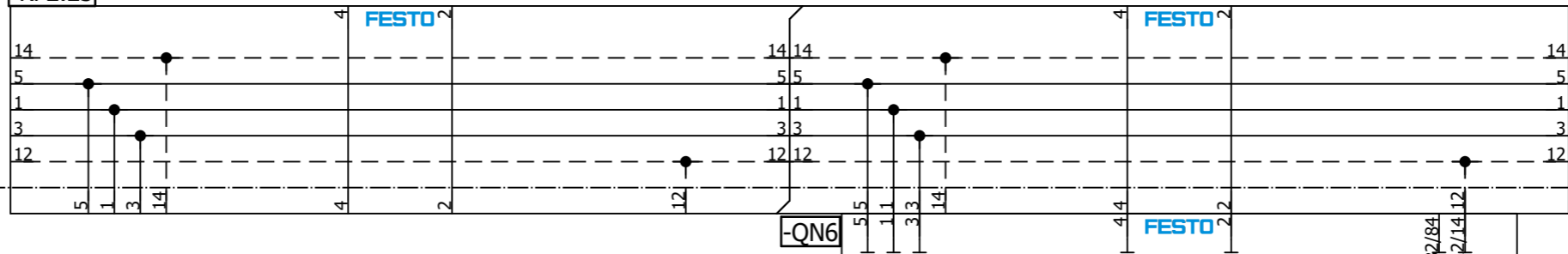
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Modification	Date	Name	Original								

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=V1GL12UQ51KF2/11.5

-KF2.23



-QN6

FES.539212  
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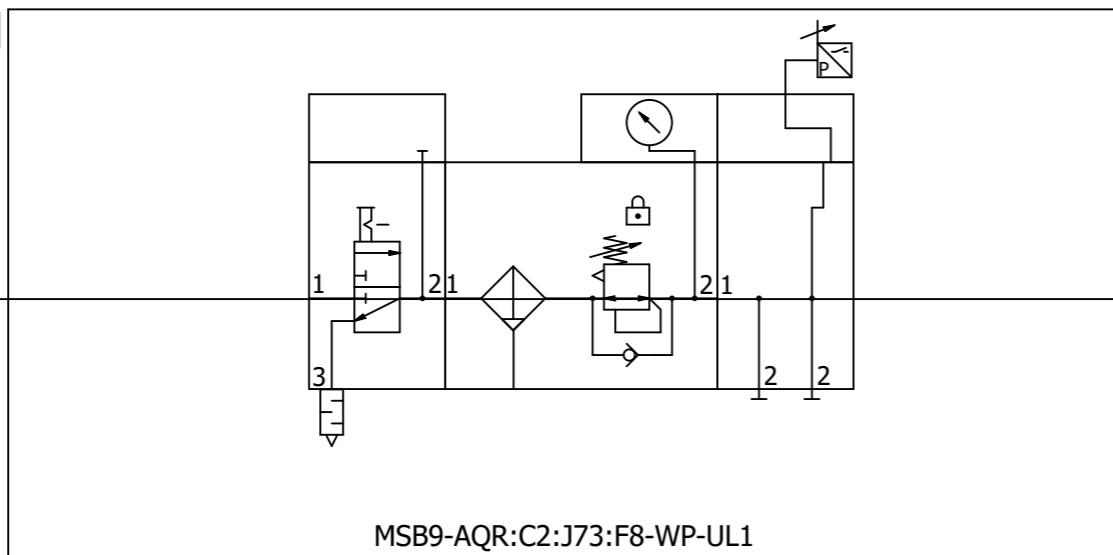
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Appr				Replacement of		Replaced by				Project nr:		+ V1GL12UQ51	
Modification	Date	Name	Original							22-16151		Page	1
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A2

=KH0+KH0/1.7 / +V1GL13KH1-P1 →

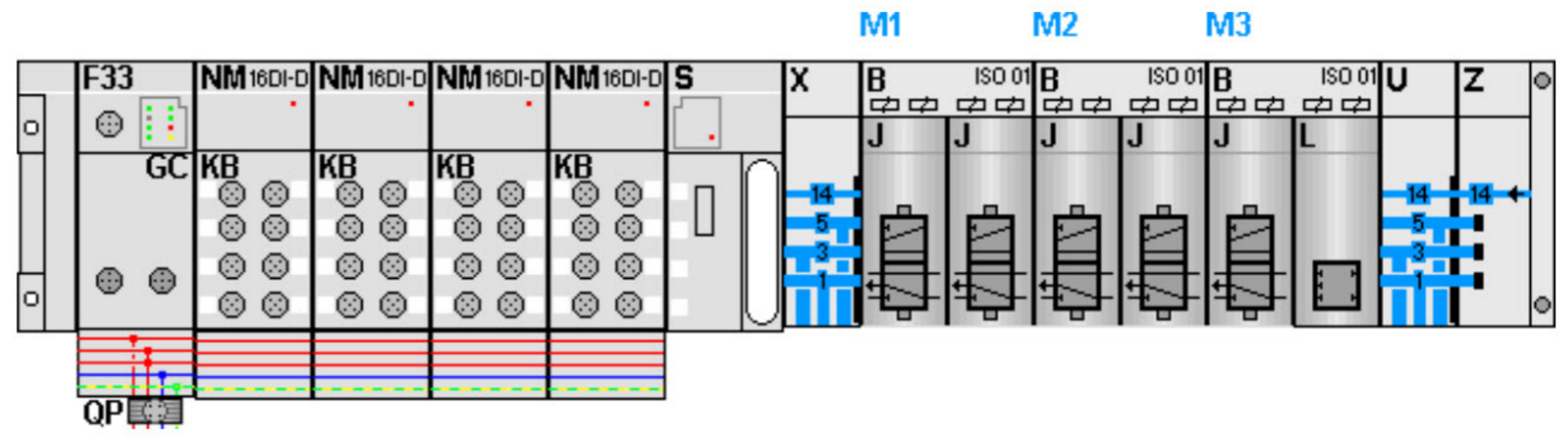


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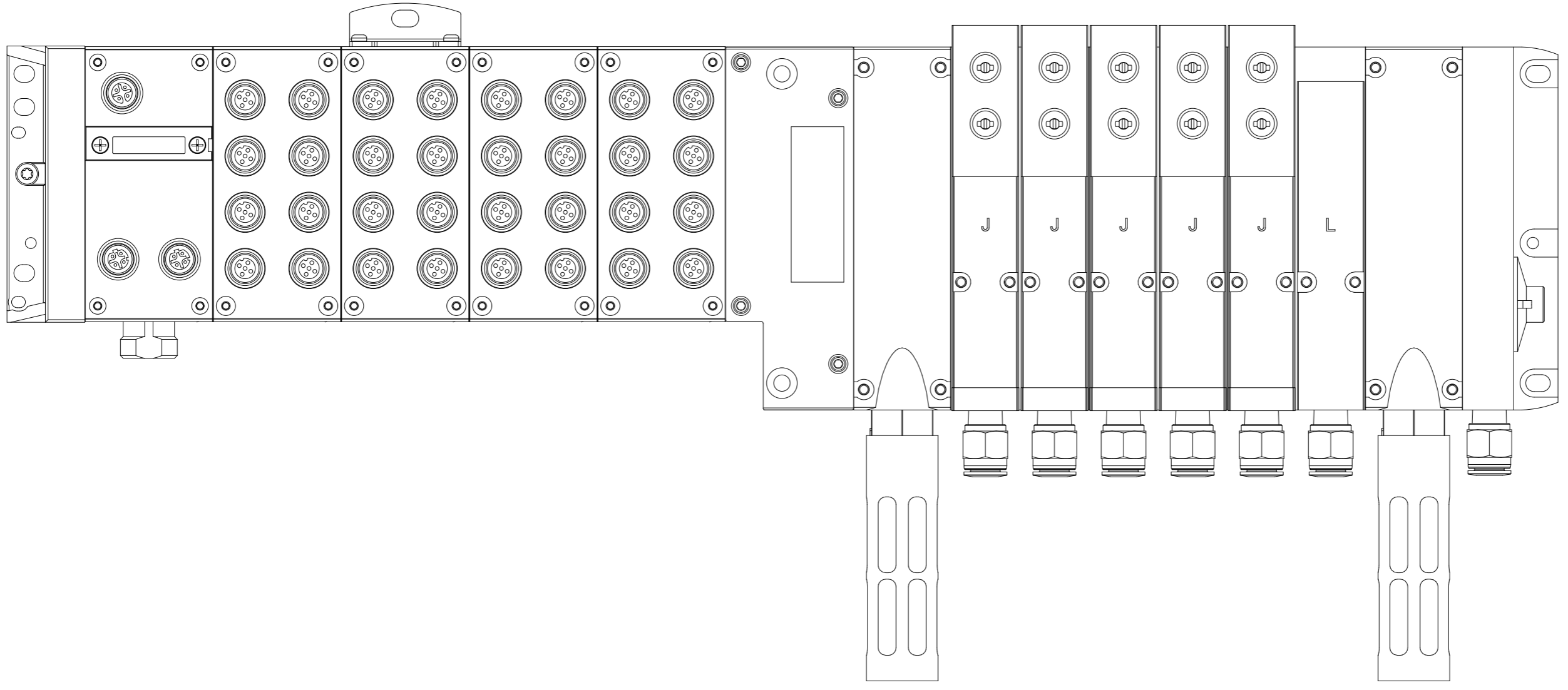
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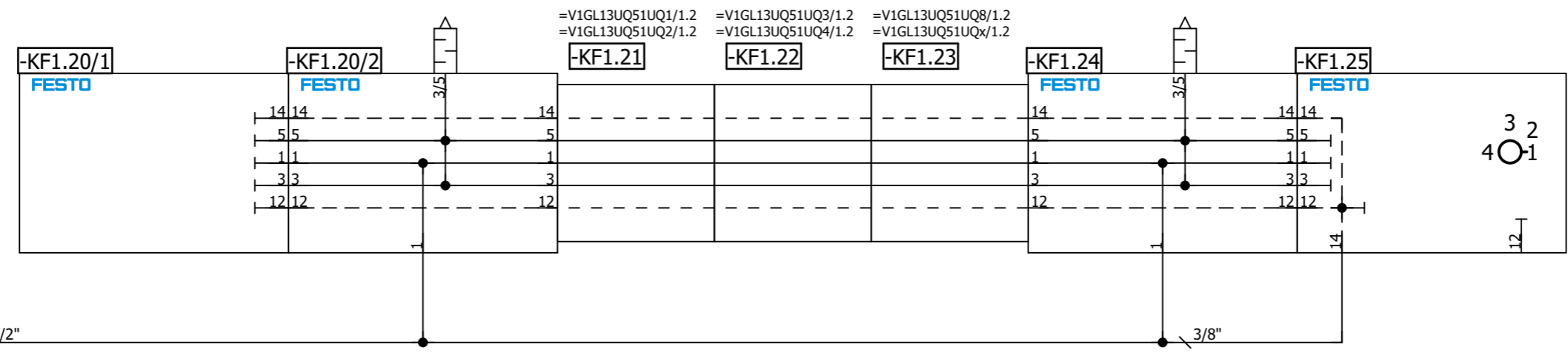
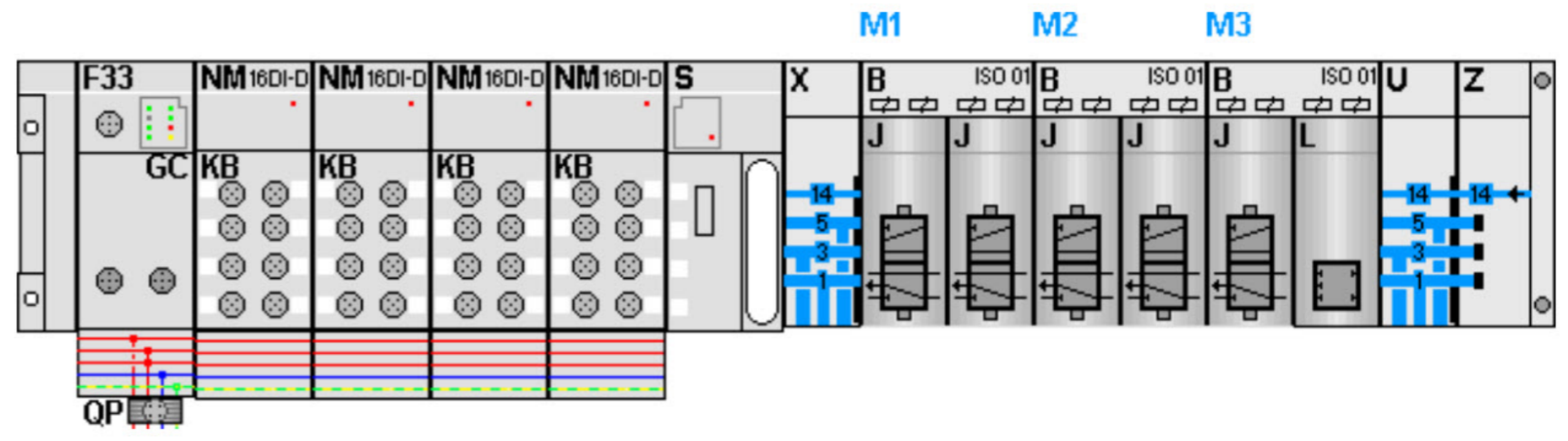


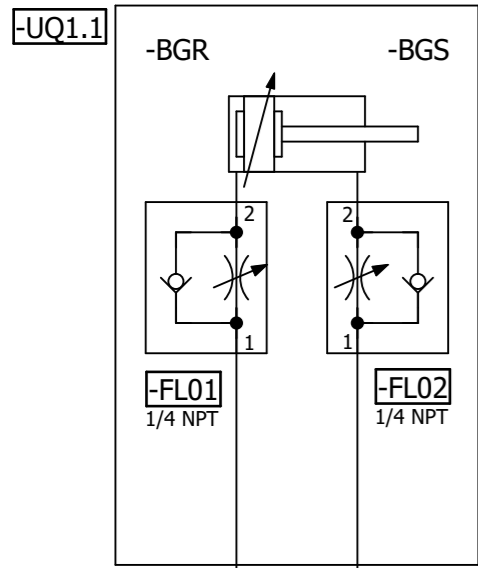
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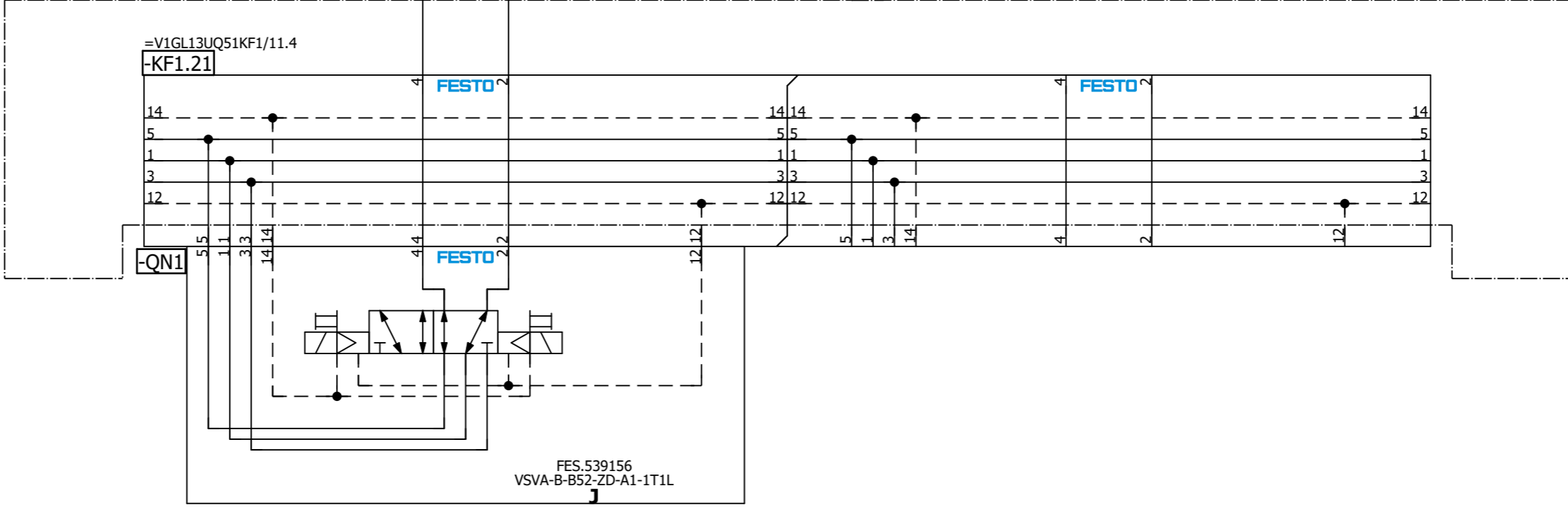
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Modification	Date	Name	Original	Replaced by		MFS		22-16151		227		





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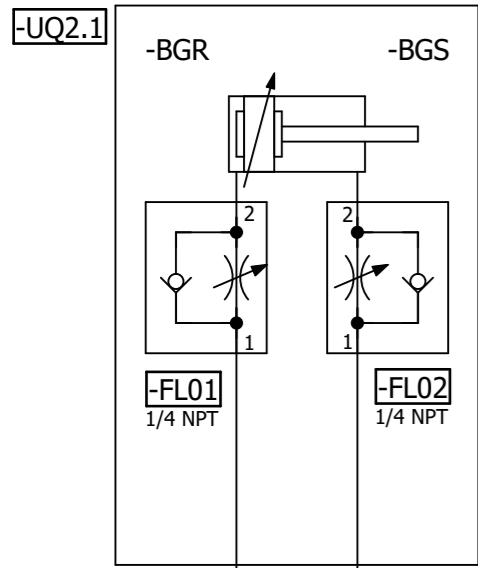
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-UQ1-QN1.1  
Pallet Stop Sta #1  
Load (RST)

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-UQ1-QN1.2  
Pallet Stop Sta #1  
Load (SET)

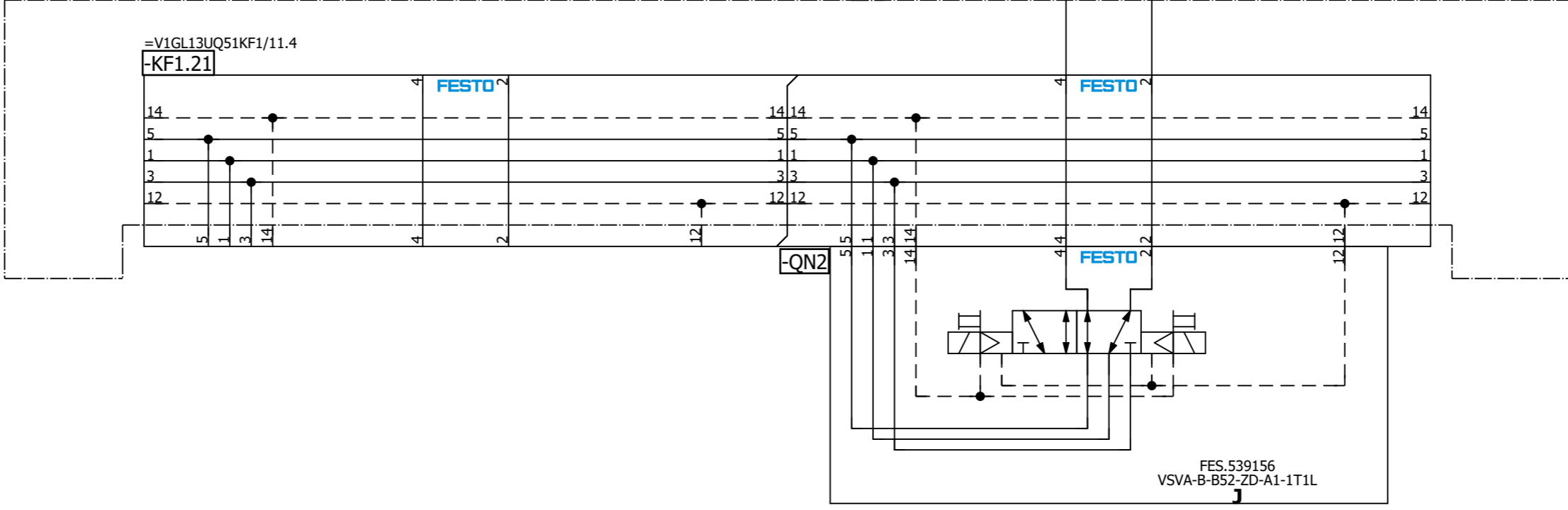
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Date		12/20/2022	Volvo Trucks North America		Valiant TMS	Pallet Stop Station #1 Load	Drawing name:		= V1GL13UQ51UQ1
Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				=2V04&MFS-PNEU		+ V1GL13UQ51
Appr			Replacement of		Scale 1:1		Document type:		MFS
Original			Replaced by				Project nr:		22-16151
Modification	Date	Name	Original				Page		1
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=V1GL13UQ51KF1



=V1GL13UQ51  
-UQ2-QN2.1  
Pallet Stop Sta #2  
Mid-Stop#1 (RST)

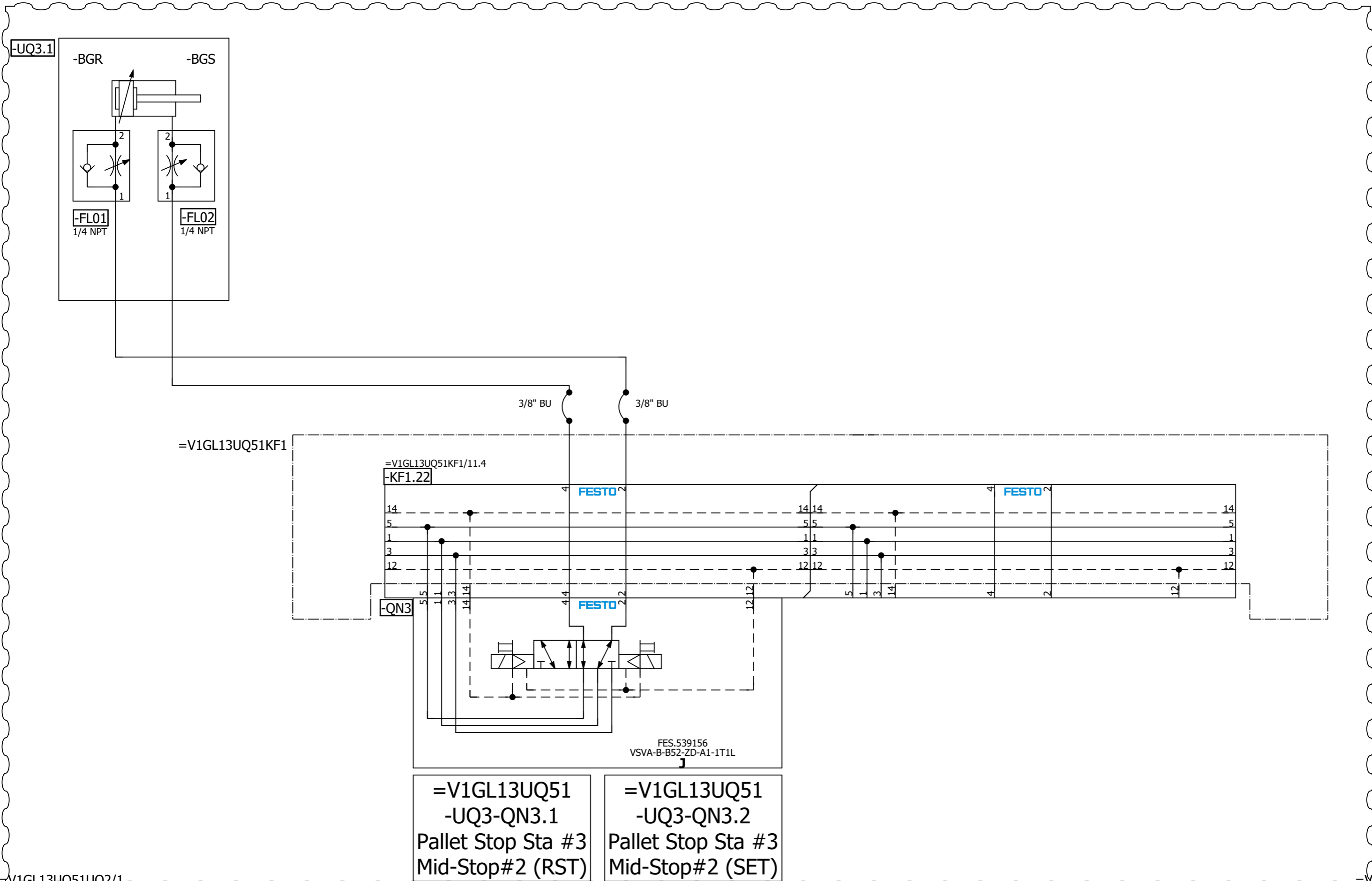
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-UQ2-QN2.2  
Pallet Stop Sta #2  
Mid-Stop#1 (SET)

=V1GL13UQ51UQ3/1

=V1GL13UQ51UQ1/1

Modification		Date	Name	Date	12/20/2022	Ed.	MKLEPADLO	Volvo Trucks North America	Valiant TMS	Pallet Stop Station #2 Mid-Stop #1	Drawing name:	= V1GL13UQ51UQ2	Page	1
				Appr.				P6700 Underbody Mainline - Cell 2V04	Scale 1:1		Document type:	+ V1GL13UQ51	Project nr:	22-16151
				Original				Replacement of			MFS			227

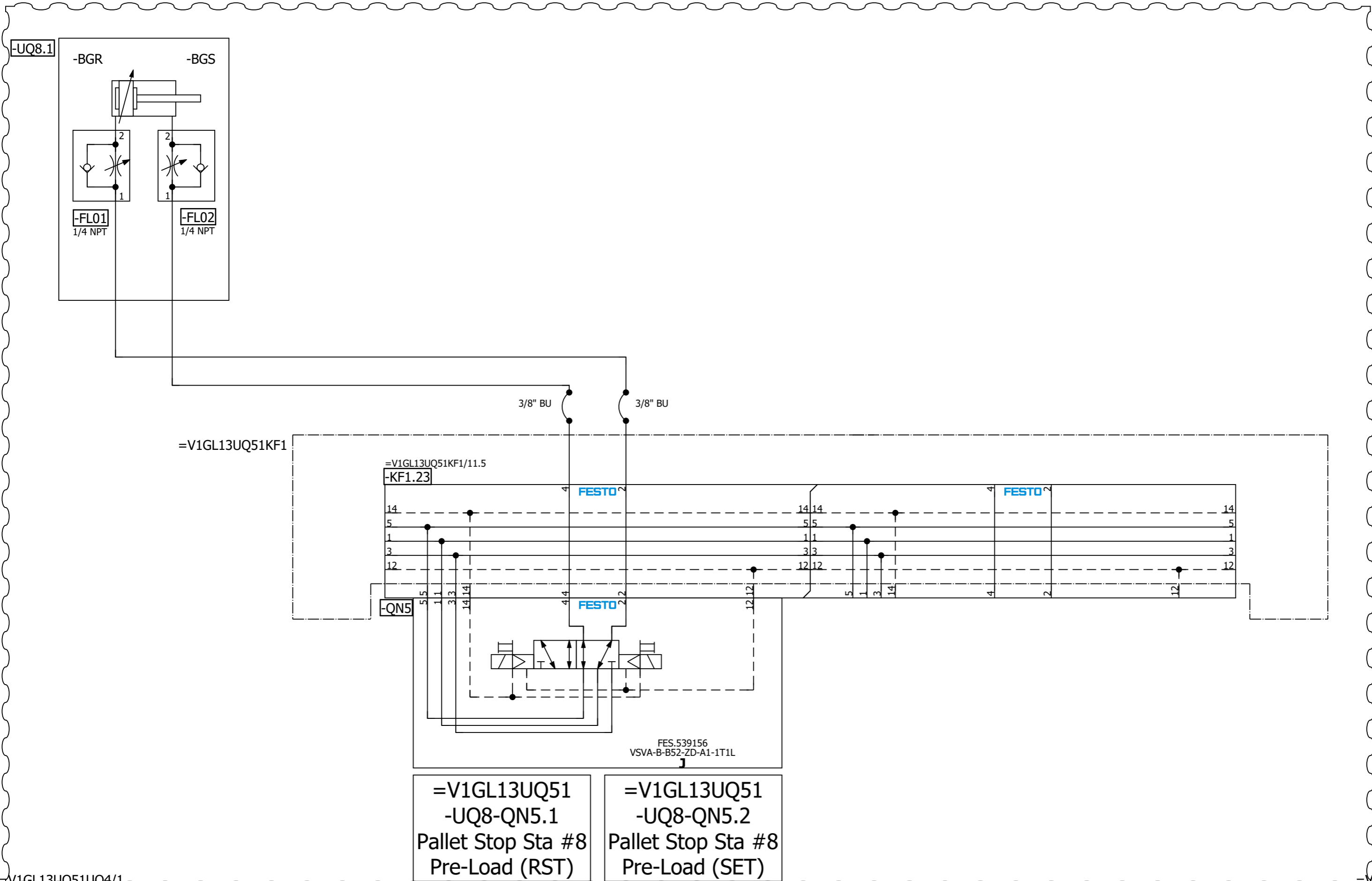




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Modification		Date	Name	Date	12/20/2022	MKLEPADLO	Volvo Trucks North America	Valiant TMS	Pallet Stop Station #3 Mid-Stop #2	Drawing name:	=V1GL13UQ51UQ3	Page	1
				Ed.			P6700 Underbody Mainline - Cell 2V04	Scale 1:1		Document type:	=2V04&MFS-PNEU	Project nr:	22-16151
				Appr			Replacement of			MFS	+ V1GL13UQ51		227
				Original			Replaced by						





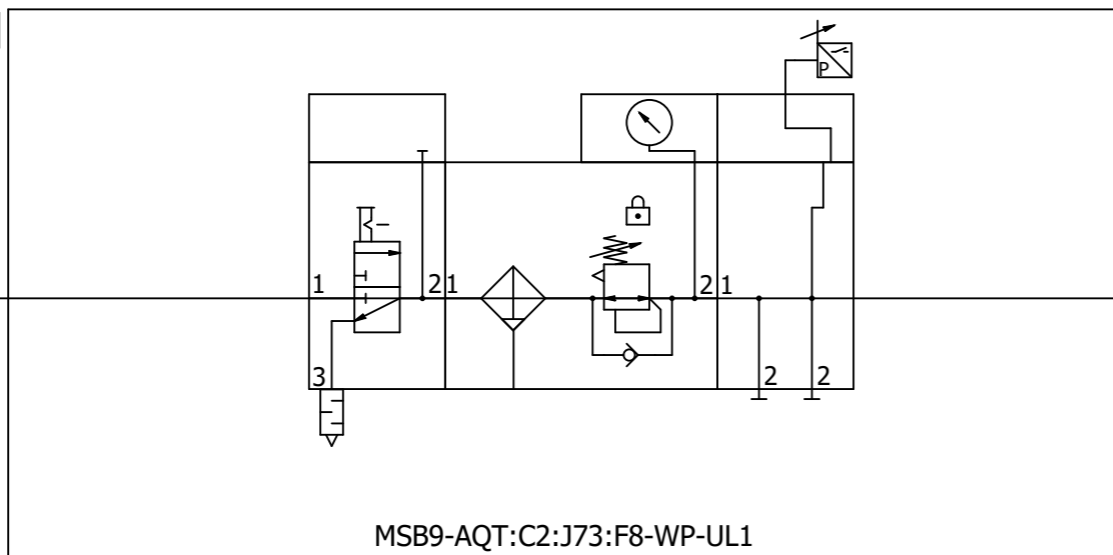
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Ed.		MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type:		= 2V04&MFS-PNEU	
Appr				Replacement of		Replaced by				Project nr:		22-16151	
Original										Page		1	
Modification		Date		Name						MFS		227	



A2

=KH0+KH0/1.7 / +V1UQ51KH1-P1




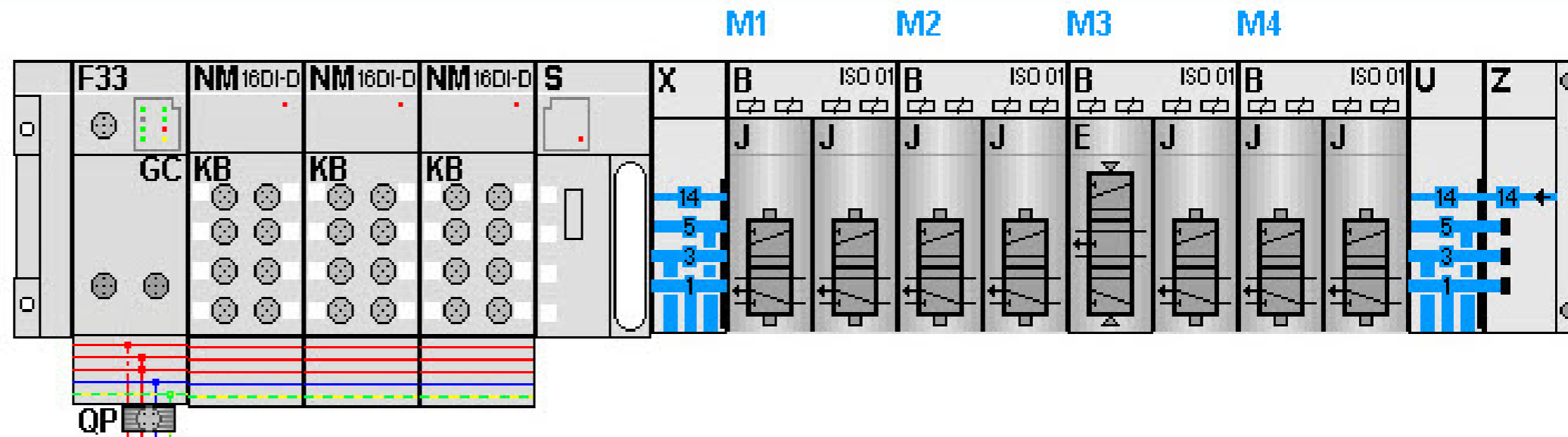
1"

+V1UQ51-P1 / =V1UQ51KF1+V1UQ51/11.0

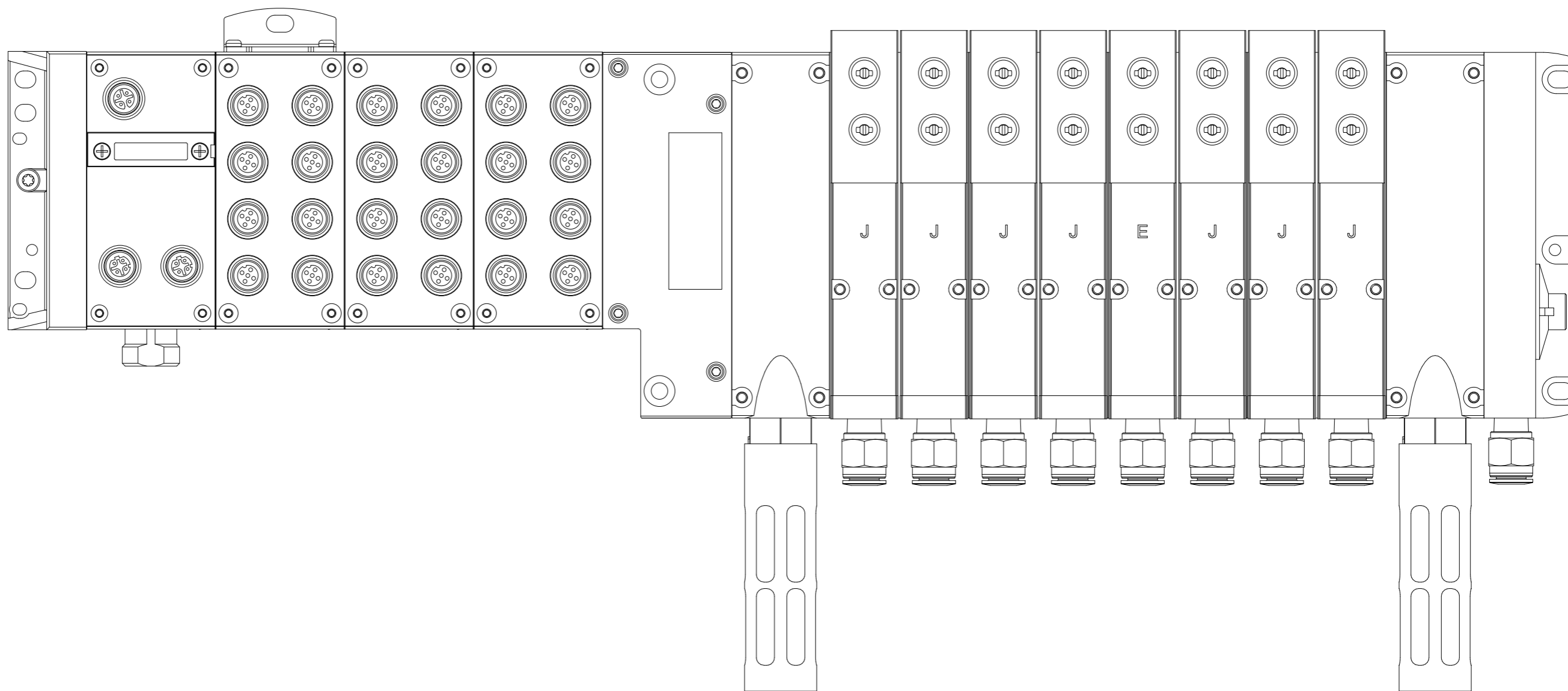
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=V1UQ51KF1+V1UQ51/5

			Date	12/21/2022	Volvo Trucks North America		Valiant TMS	Incoming air supply (Fixture)	Drawing name:		= V1UQ51
			Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04		Scale 1:1		=2V04&MFS-PNEU		+ KH1
Modification	Date	Name	Appr	Original	Replacement of	Replaced by			Document type:	Project nr:	Page
									MFS	22-16151	1
											227



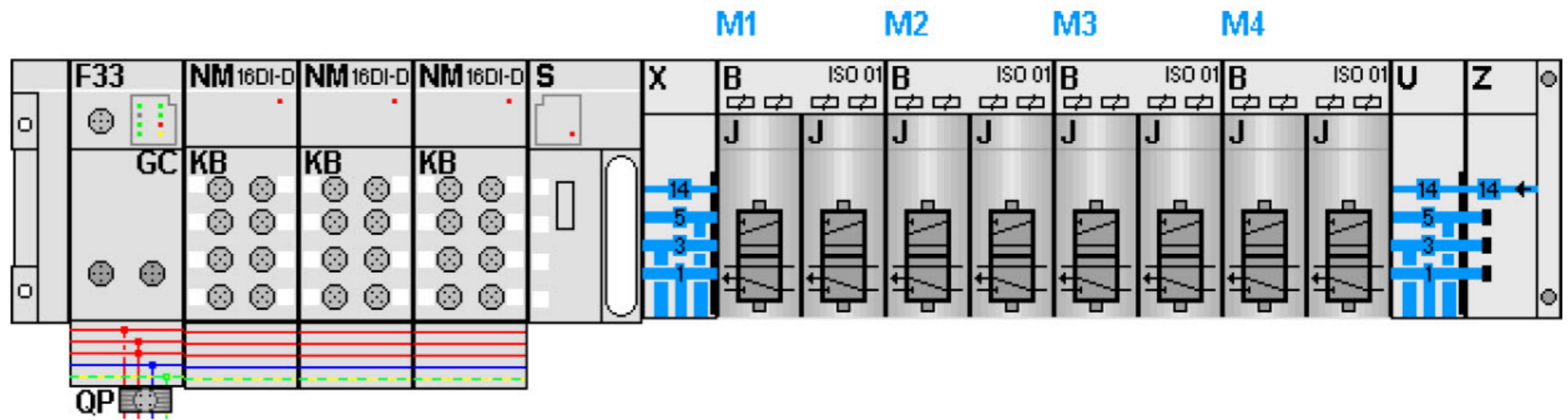
KF1.0



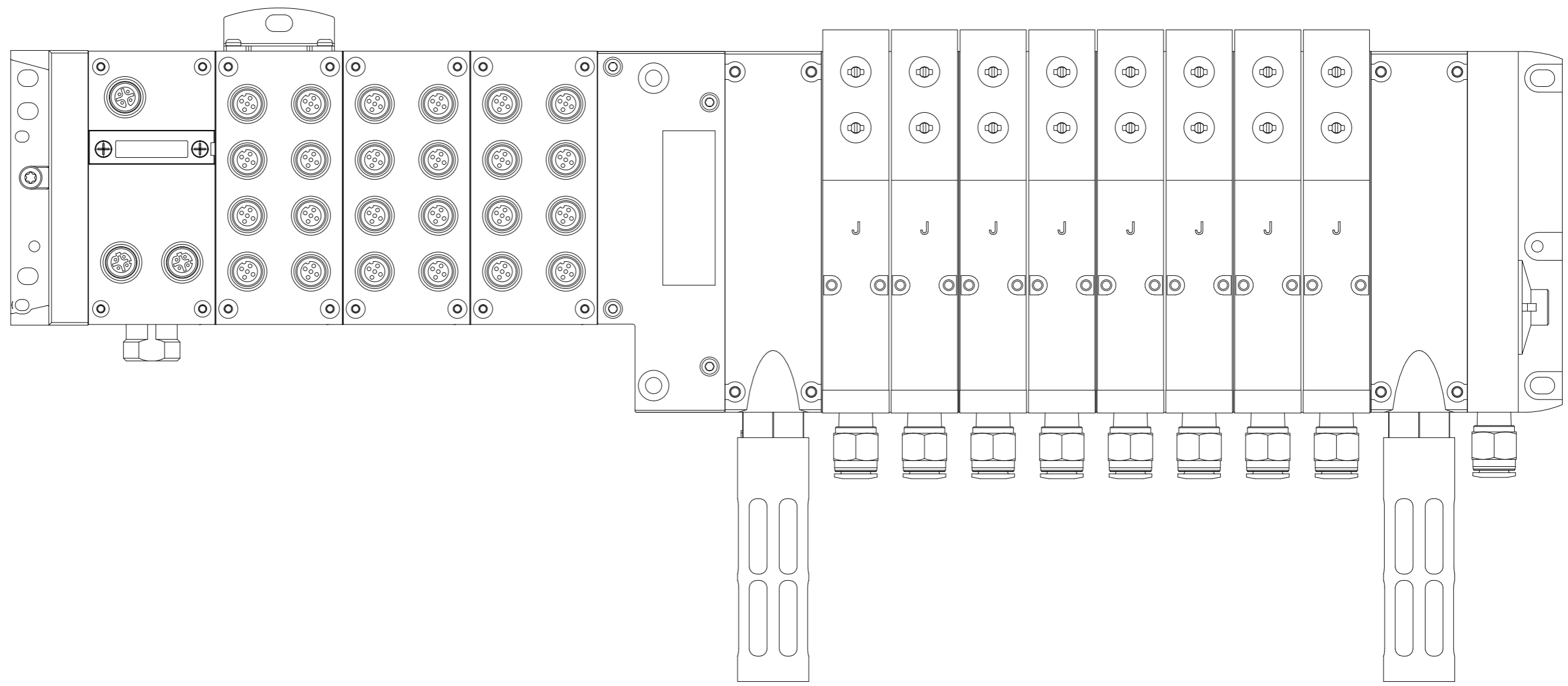
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				=2V04&MFS-PNEU		+ V1UQ51
Appr.			Replacement of		Scale 1:1	Document type:	Project nr:	22-16151	Page
Modification	Date	Name	Original	Replaced by					MFS
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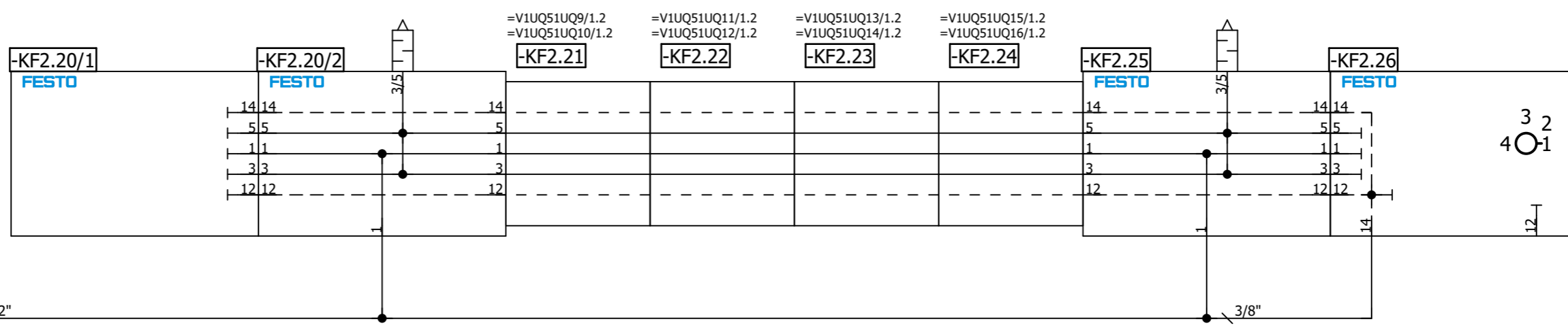
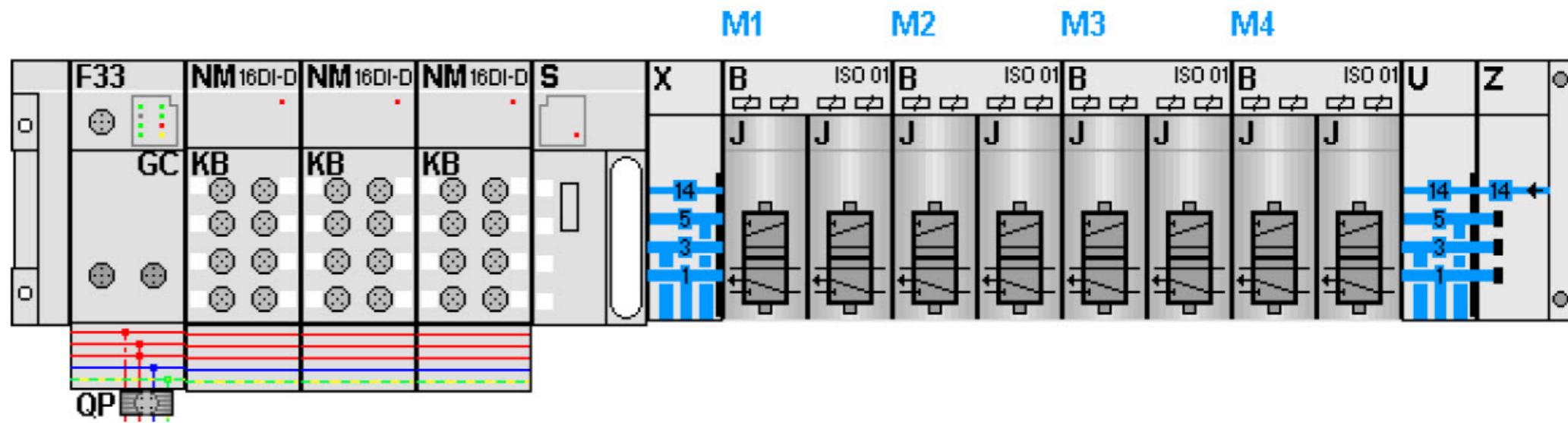
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				=2V04&MFS-PNEU		+ V1UQ51
Appr			Replacement of		Scale 1:1	Document type:	Project nr:	MFS	22-16151
Modification	Date	Name	Original	Replaced by					
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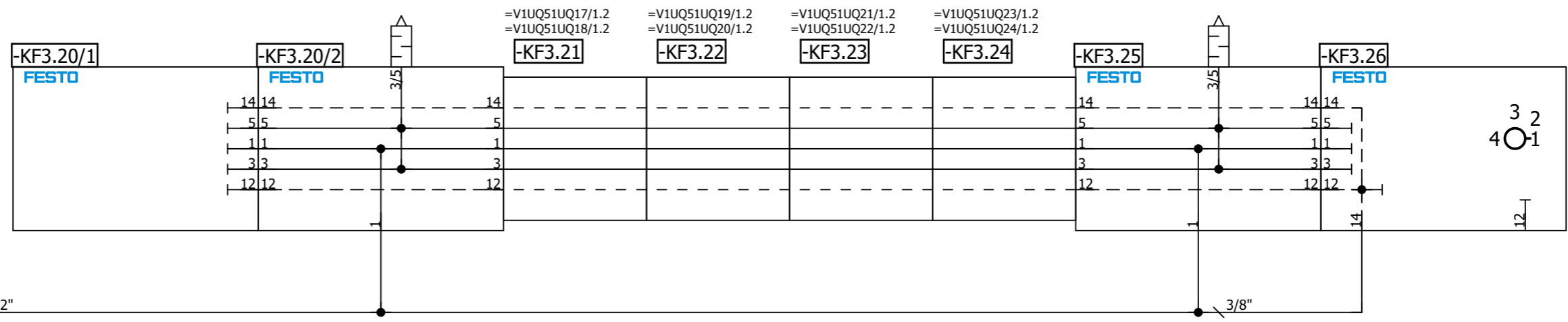
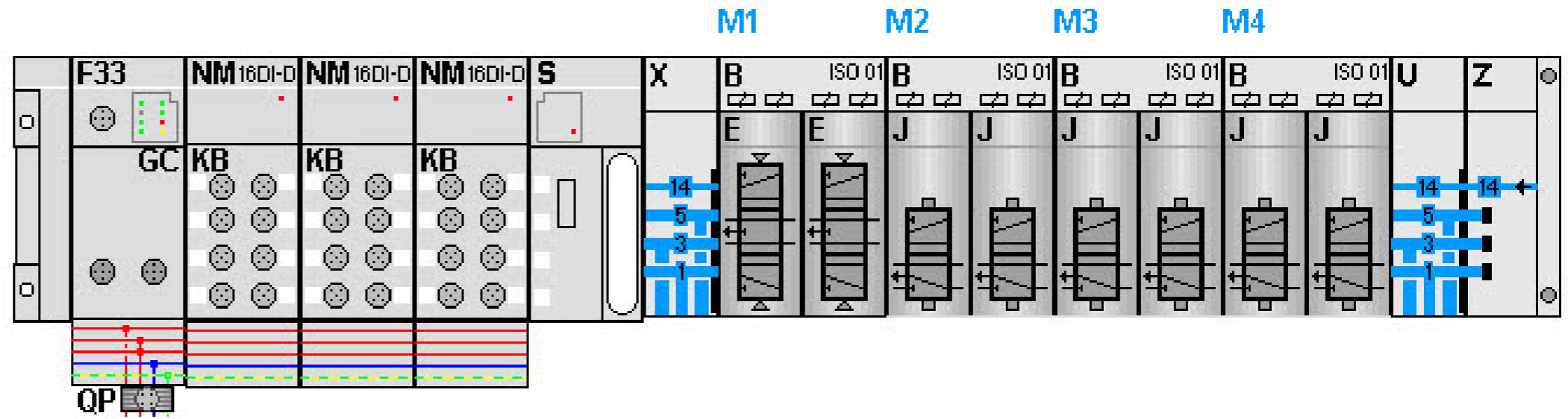


=V1UQ51KF1/11.1 / P2 → 1/2"

3/8"

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Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1		= 2V04&MFS-PNEU	+ V1UQ51		
Appr.					Document type:	MFS	Project nr:	22-16151
Modification	Date	Name	Original	Replacement of	Replaced by			227



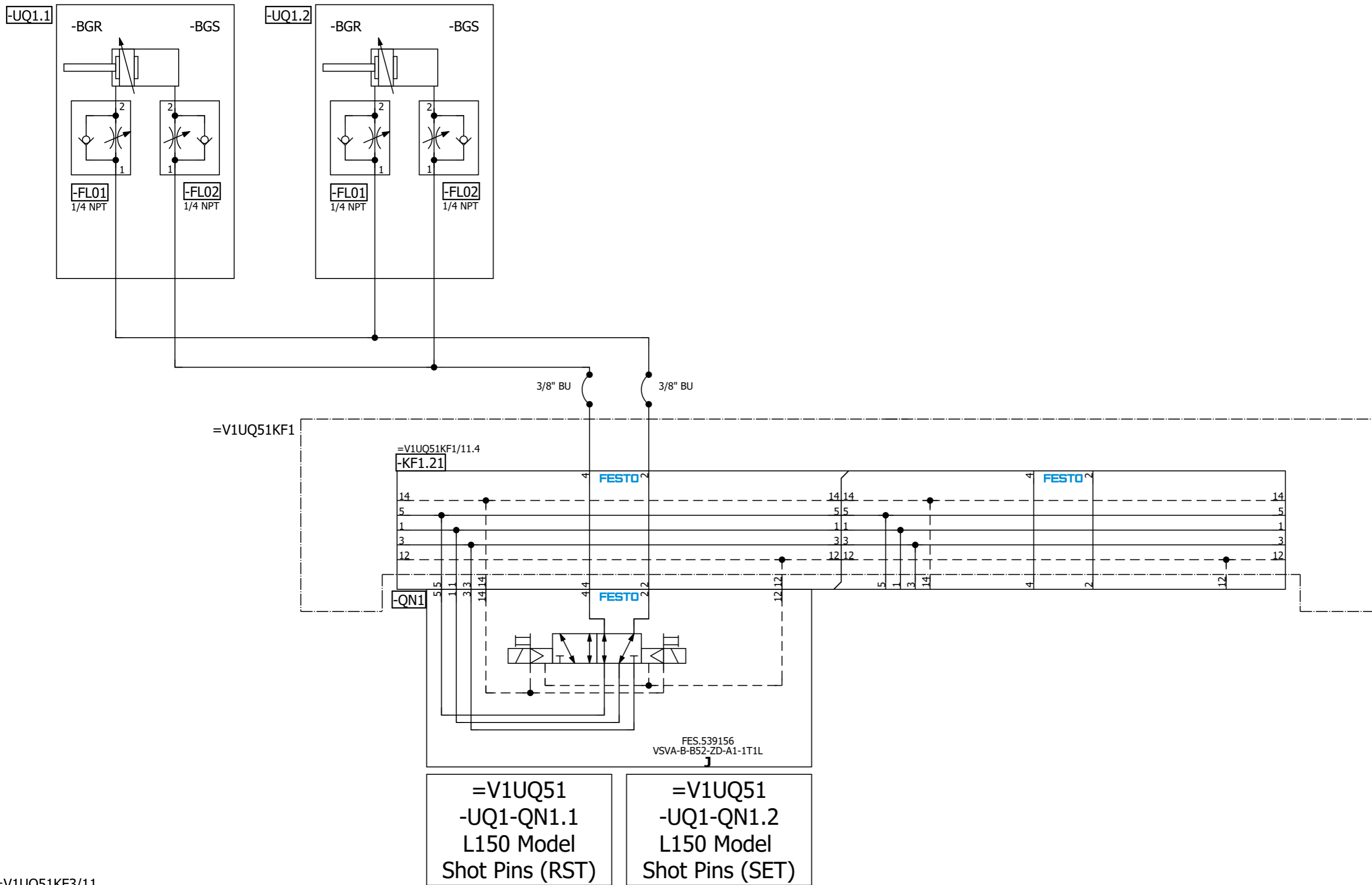


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5

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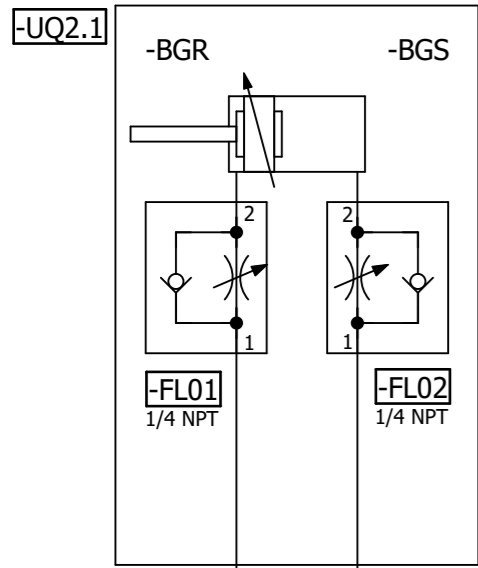
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Appr.					Document type:	MFS	Project nr:
Modification	Date	Name	Original	Replacement of	Replaced by	Page	11
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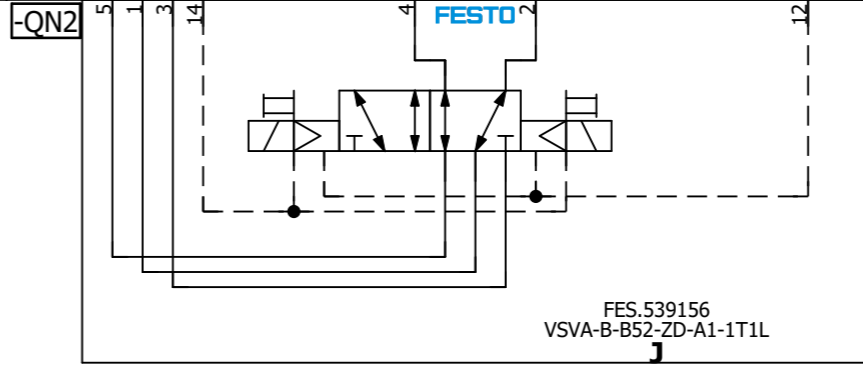
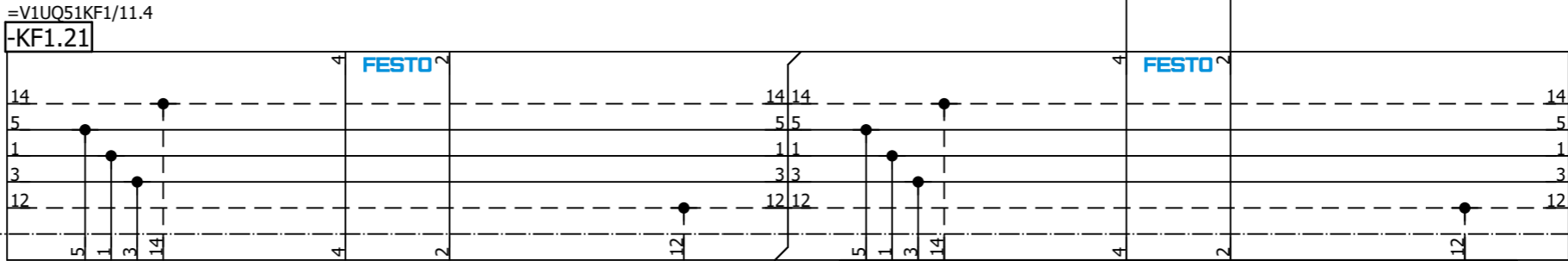
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Ed.		MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type:		= 2V04&MFS-PNEU	
Appr.				Replacement of		Replaced by				Project nr:		+ V1UQ51	
Modification		Date		Name		Original				MFS		Page 1	
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=V1UQ51KF1



=V1UQ51  
-UQ2-QN2.1  
Common  
Shot Pin (RST)

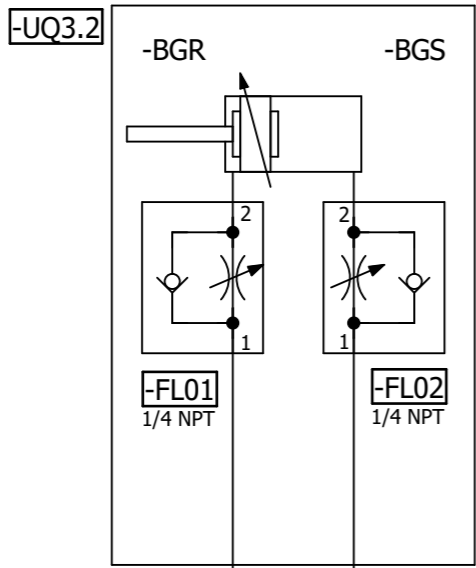
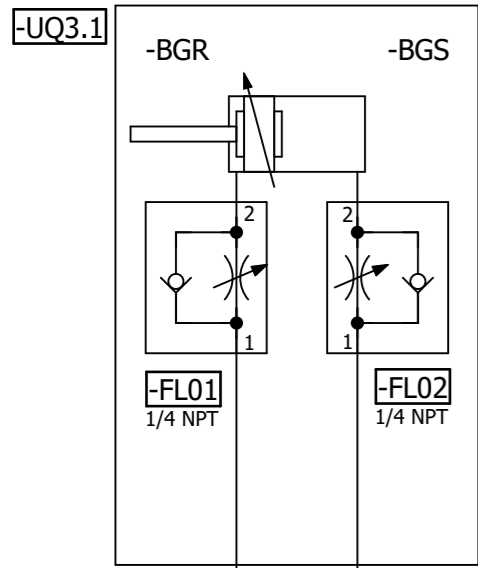
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Common  
Shot Pin (SET)

=V1UQ51UQ1/1

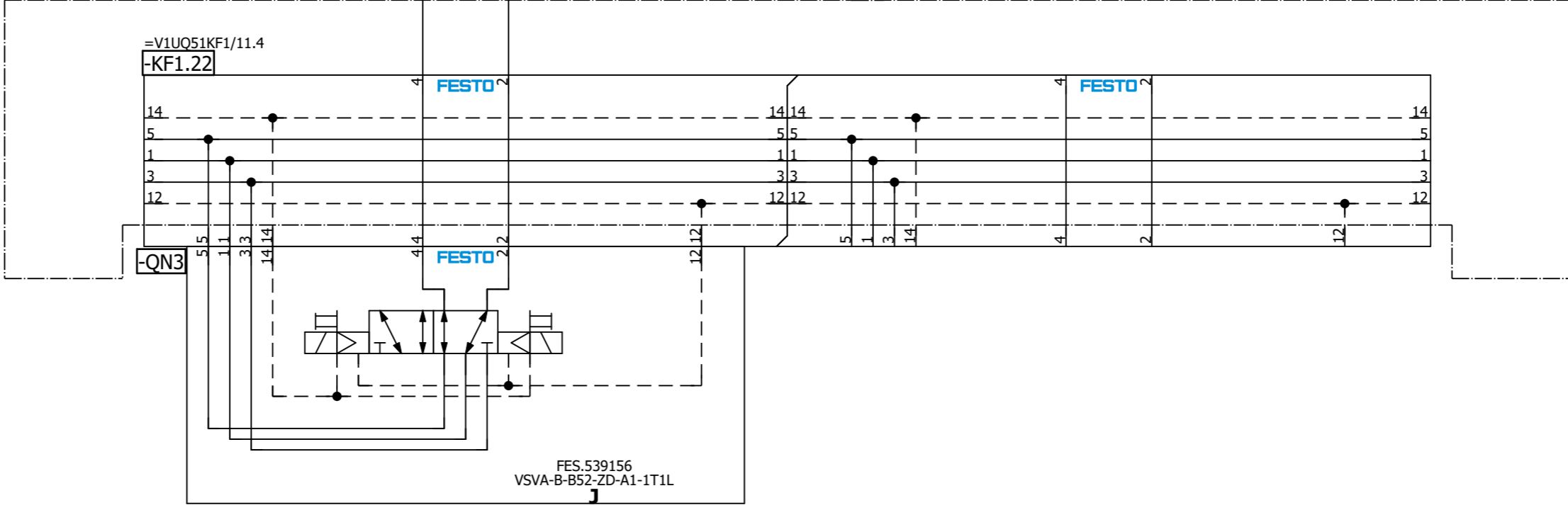
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Appr			Replacement of		Scale 1:1		Document type:		Project nr:
Original			Replaced by				MFS		22-16151
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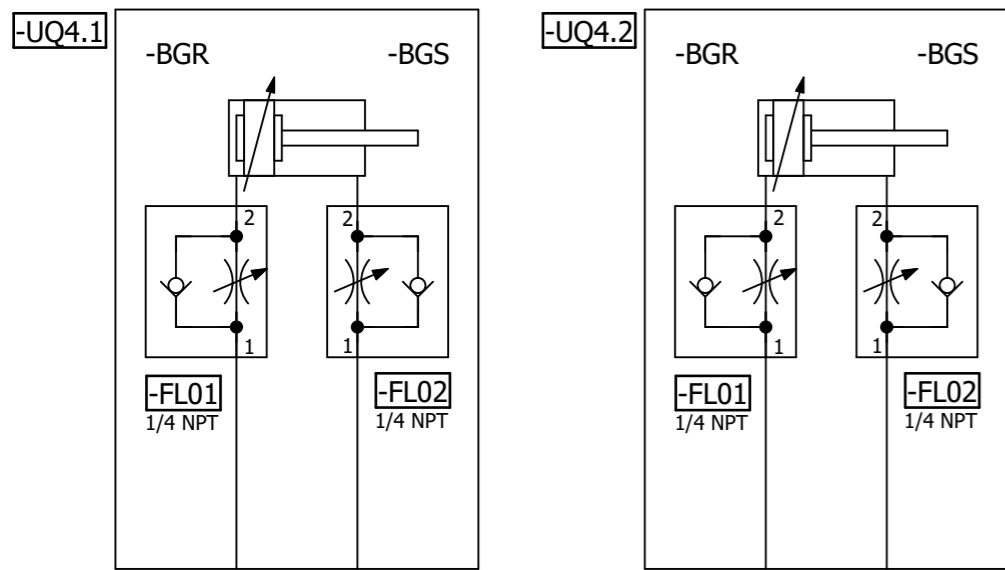
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L150/230 Model  
Shot Pins (RST)

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L150/230 Model  
Shot Pins (SET)

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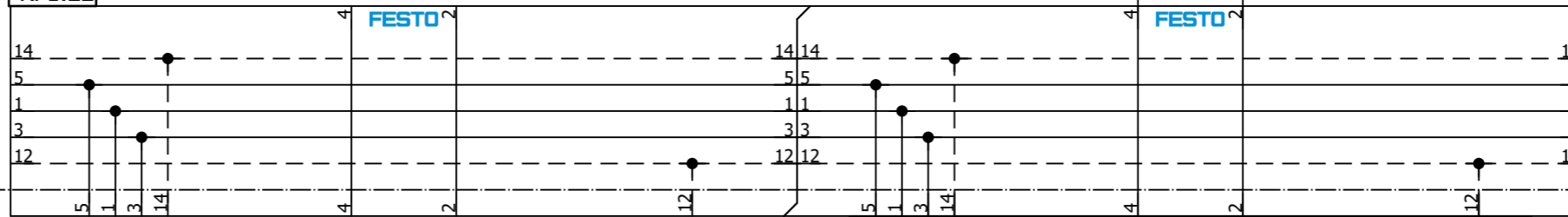
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Appr				Replacement of		Replaced by				Project nr:		+ V1UQ51	
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Modification		Date		Name						22-16151		227	

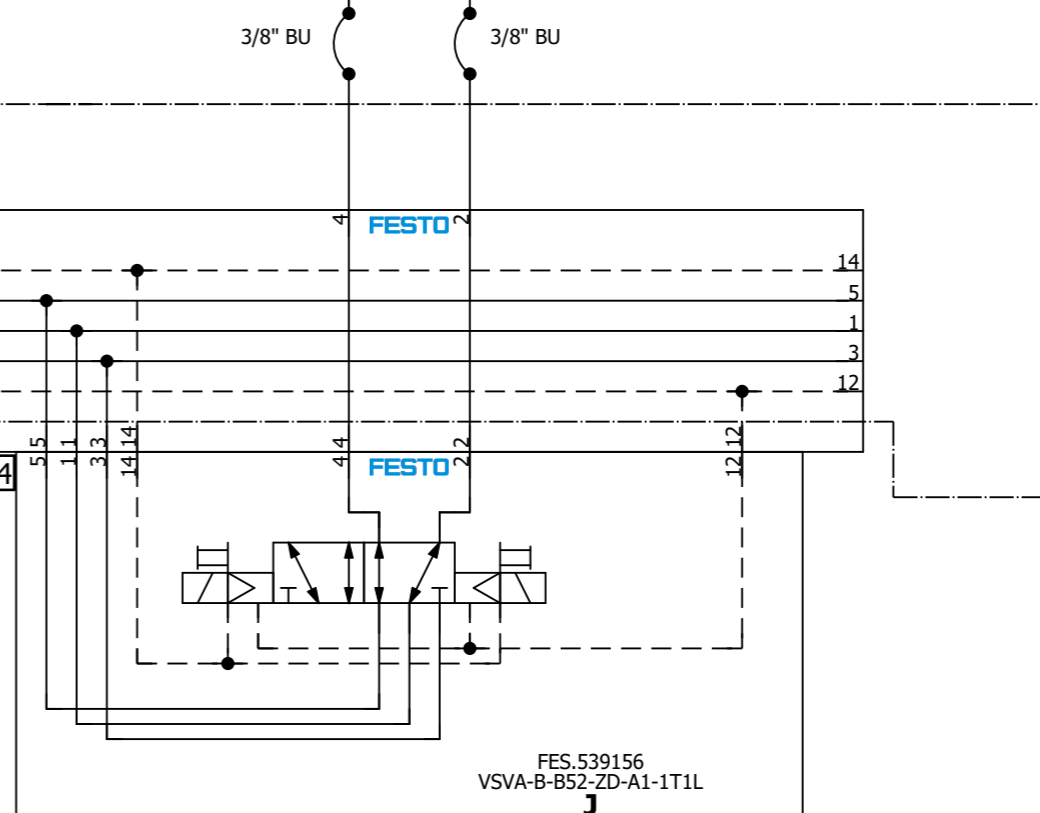


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-KF1.22



-QN4



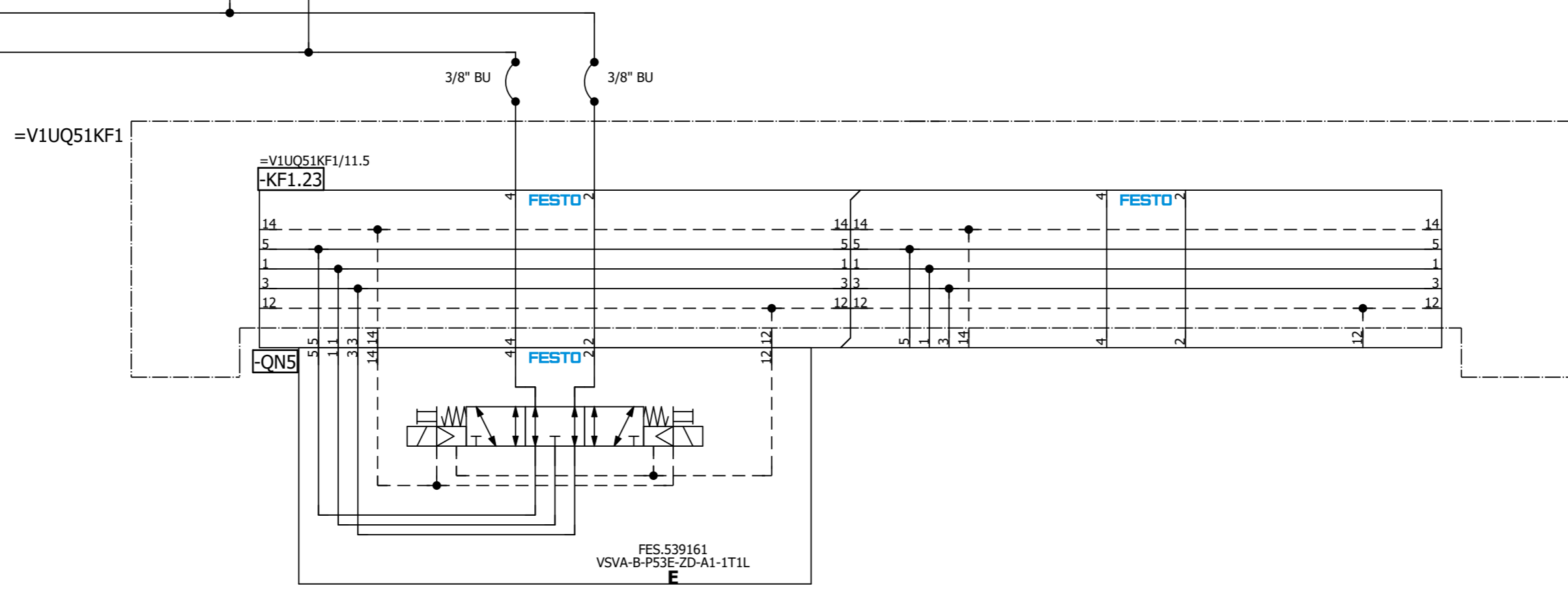
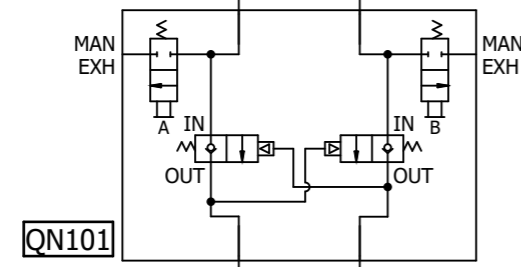
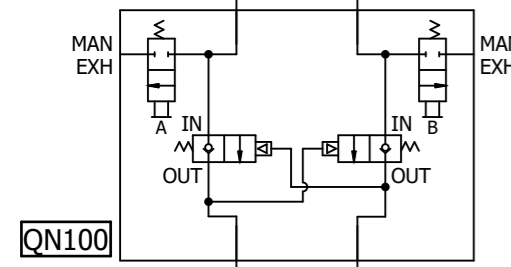
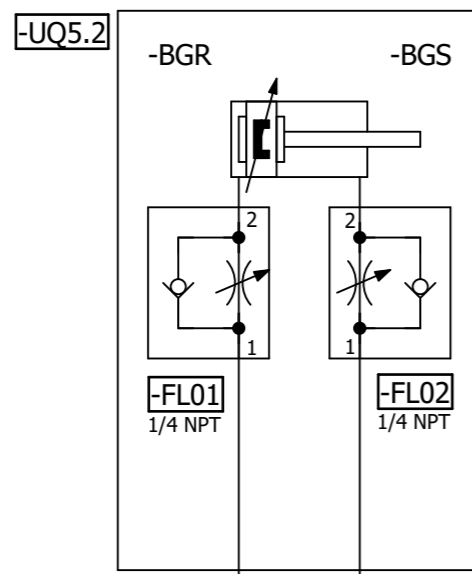
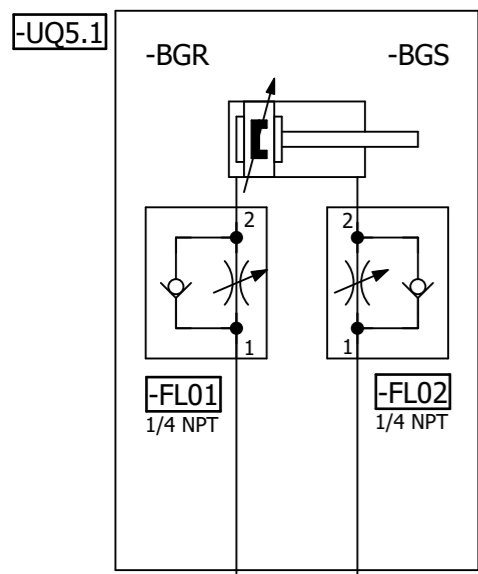
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Common  
Clamps 1 (RST)

=V1UQ51  
-UQ4-QN4.2  
Common  
Clamps 1 (SET)

=V1UQ51UQ5/1

=V1UQ51UQ3/1

Date		12/21/2022		Volvo Trucks North America		Valiant TMS		Common Clamps 1		Drawing name: =2V04&MFS-PNEU		= V1UQ51UQ4 + V1UQ51	
Ed.		MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type: MFS		Project nr: 22-16151	
Appr.				Replacement of		Replaced by				Page		1	
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Common  
Y-Slides (RST)

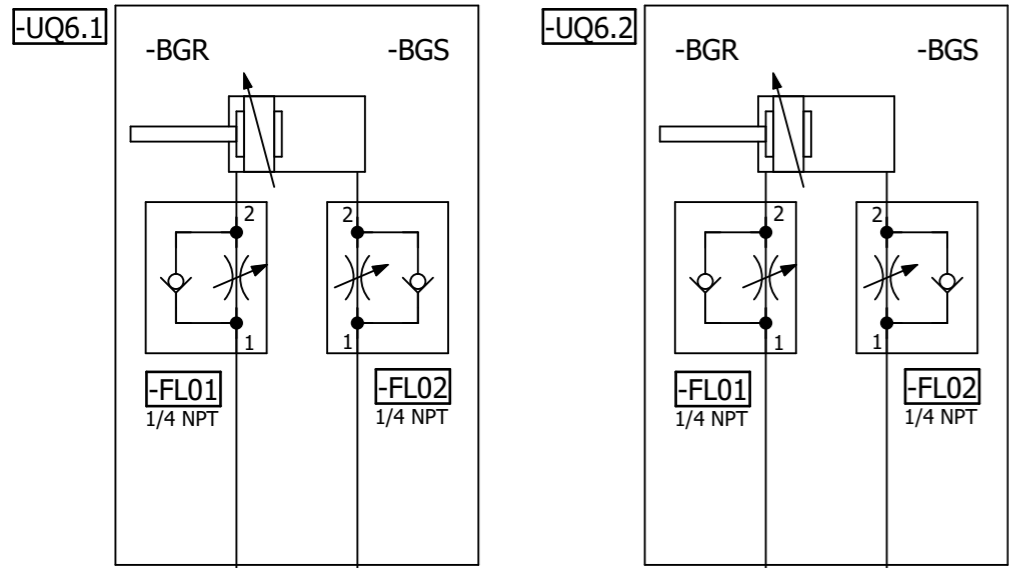
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Common  
Y-Slides (SET)

=V1UQ51UQ4/1

=V1UQ51UQ6/1

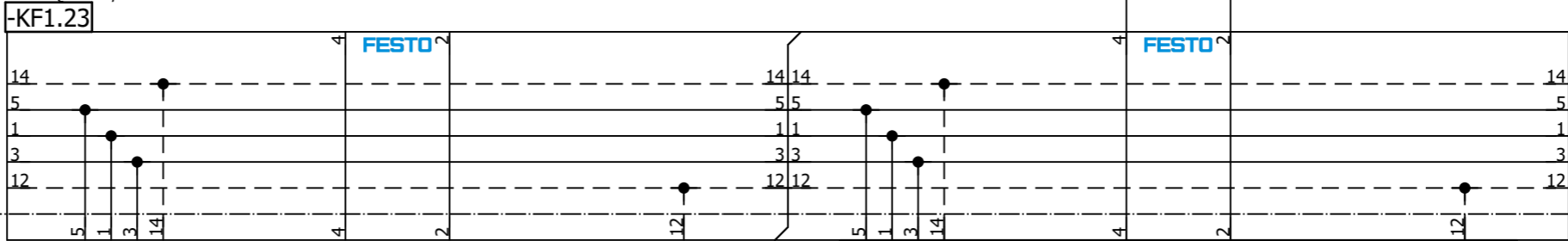
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Appr:		Replacement of		Replaced by		Project nr: 22-16151		Page 1	
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=V1UQ51KF1

=V1UQ51KF1/11.5



-QN6

=V1UQ51  
-UQ6-QN6.1  
Common  
Shot Pins 2 (RST)

=V1UQ51  
-UQ6-QN6.2  
Common  
Shot Pins 2 (SET)

FES.539156  
VSVA-B-B52-ZD-A1-1T1L

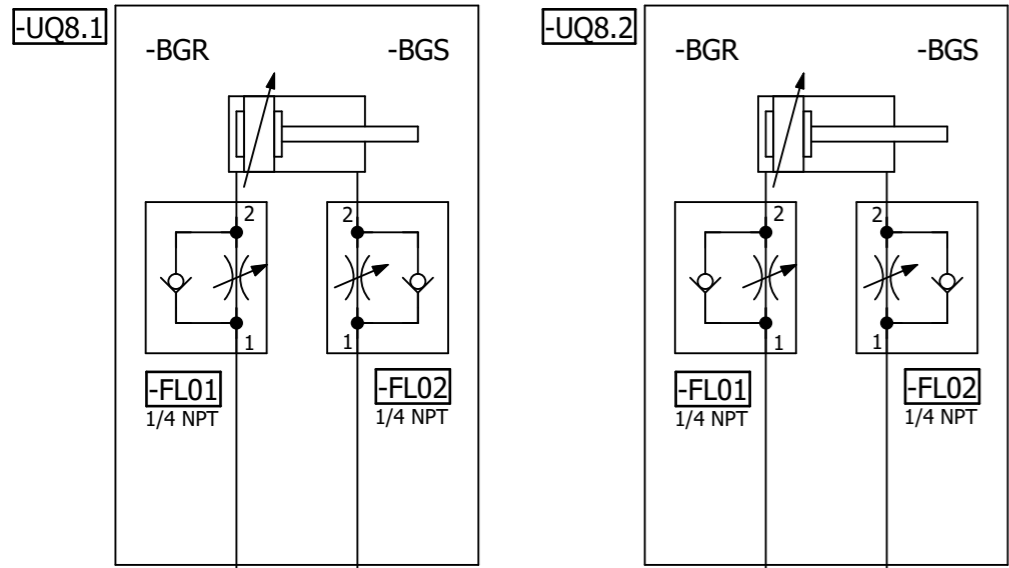
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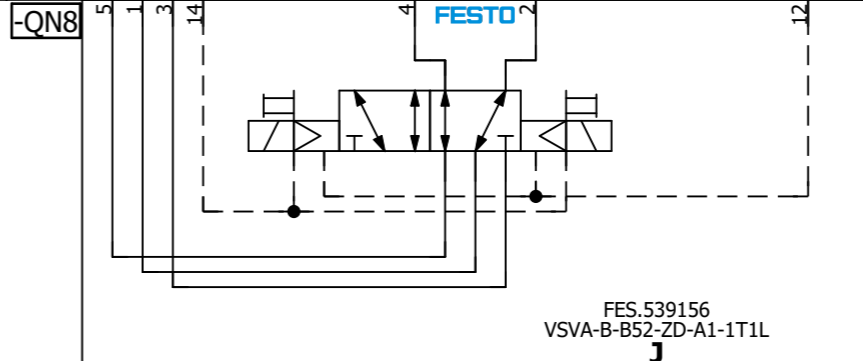
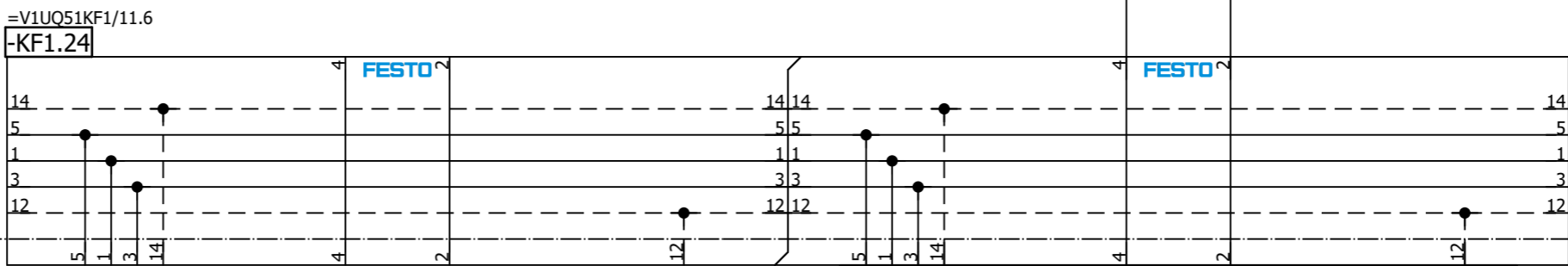
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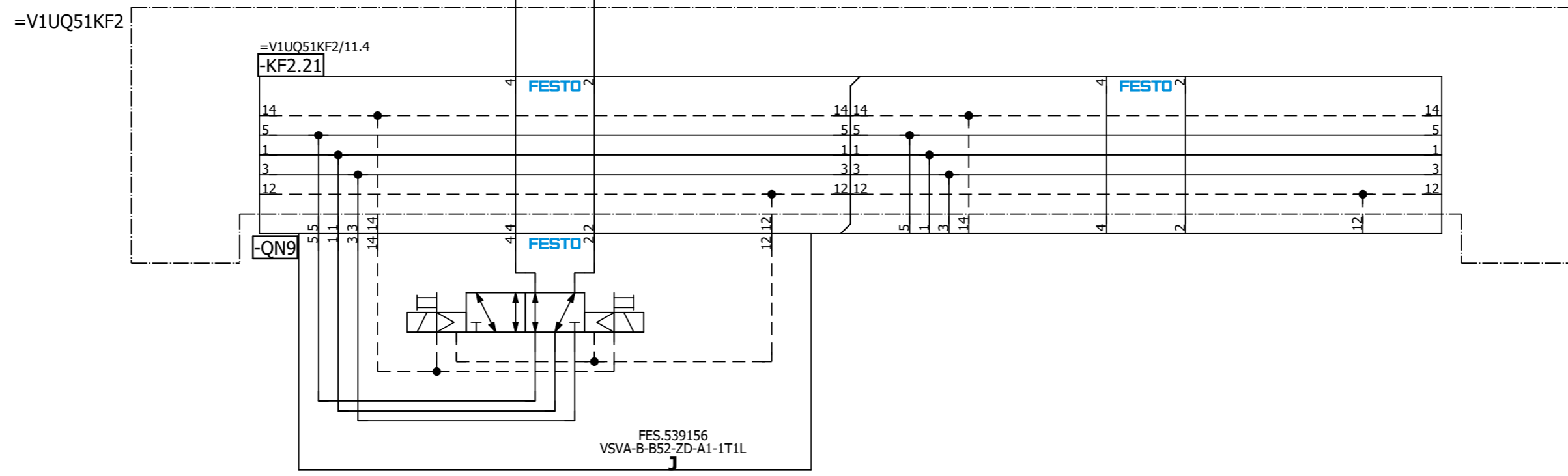
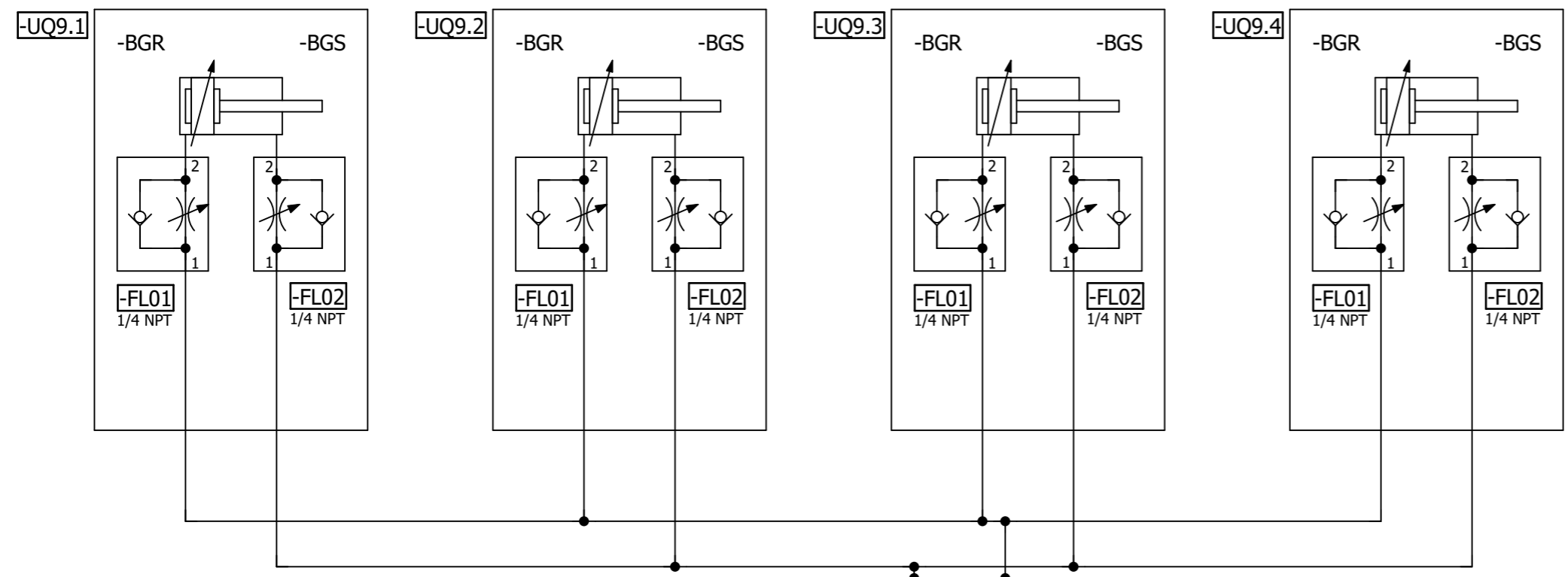
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L150 Model  
Clamps 1 (RST)

=V1UQ51  
-UQ8-QN8.2  
L150 Model  
Clamps 1 (SET)

=V1UQ51UQ7/1

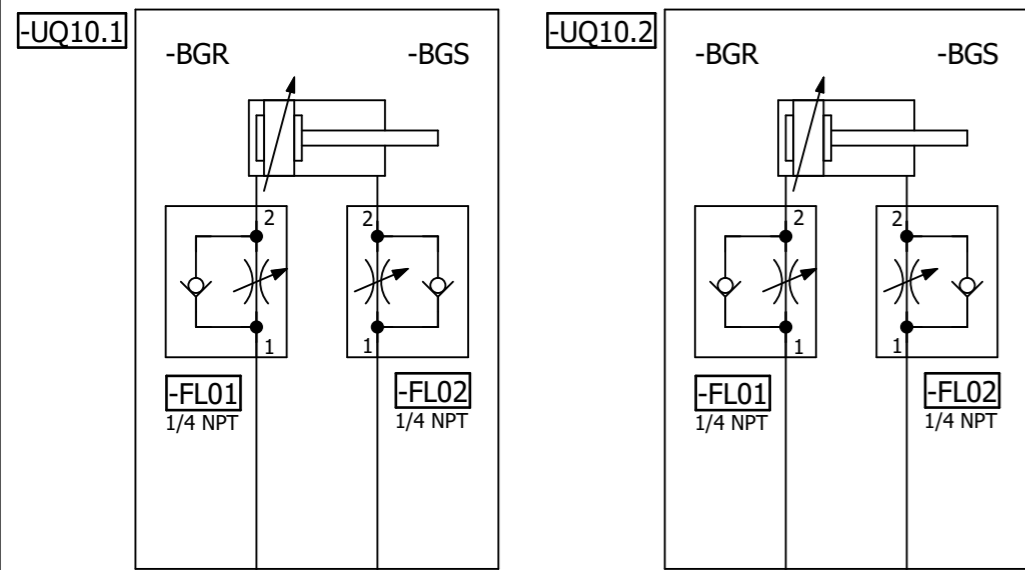
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Original			Replaced by				MFS		22-16151
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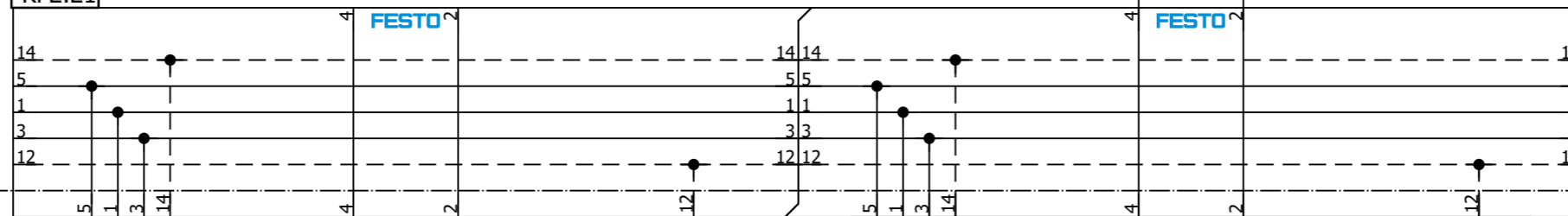
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Common  
Clamps 3 (RST)

=V1UQ51  
-UQ9-QN9.2  
Common  
Clamps 3 (SET)

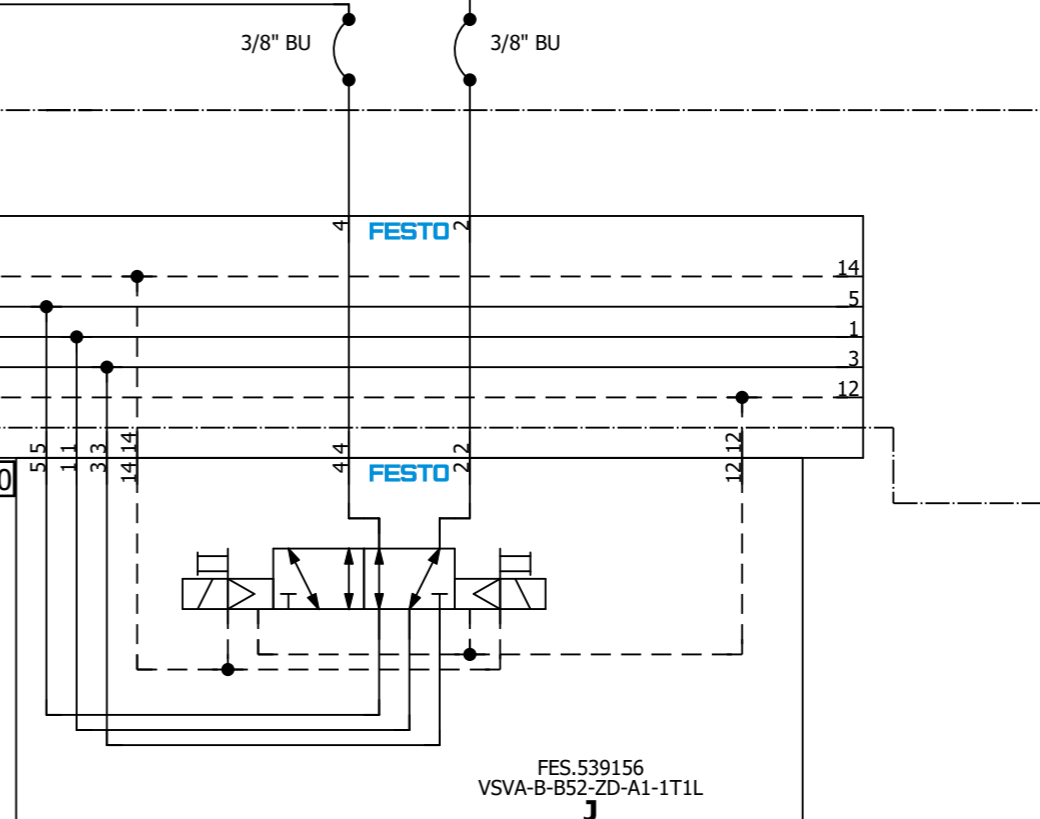


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=V1UQ51KF2/11.4  
-KF2.21



-QN10



=V1UQ51  
-UQ10-QN10.1  
Common  
Clamps 4 (RST)

=V1UQ51  
-UQ10-QN10.2  
Common  
Clamps 4 (SET)

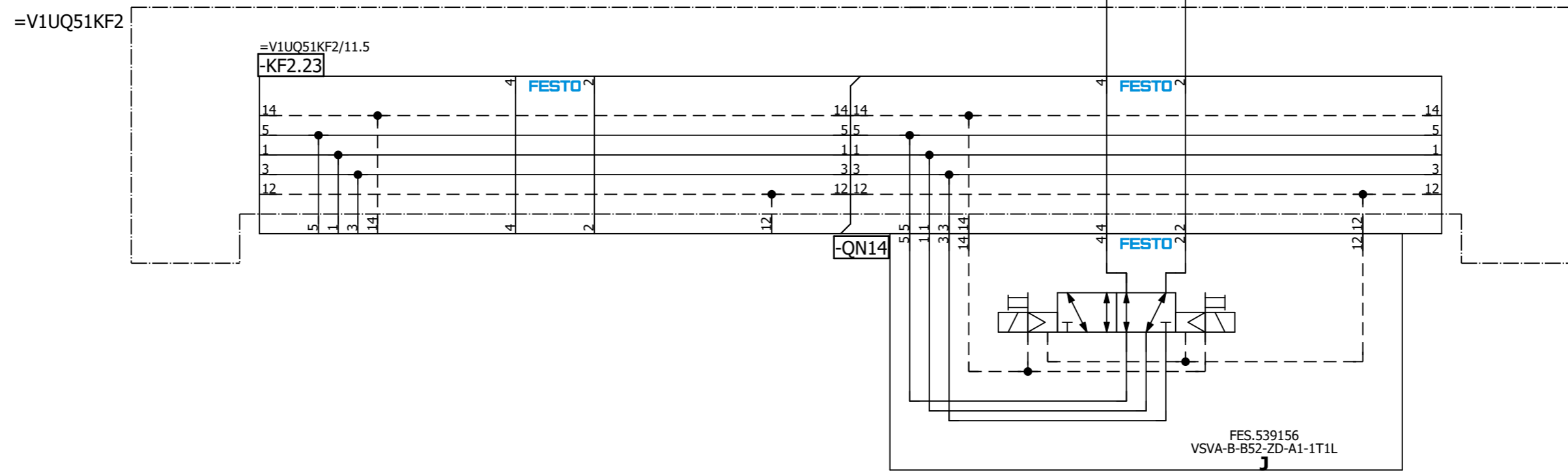
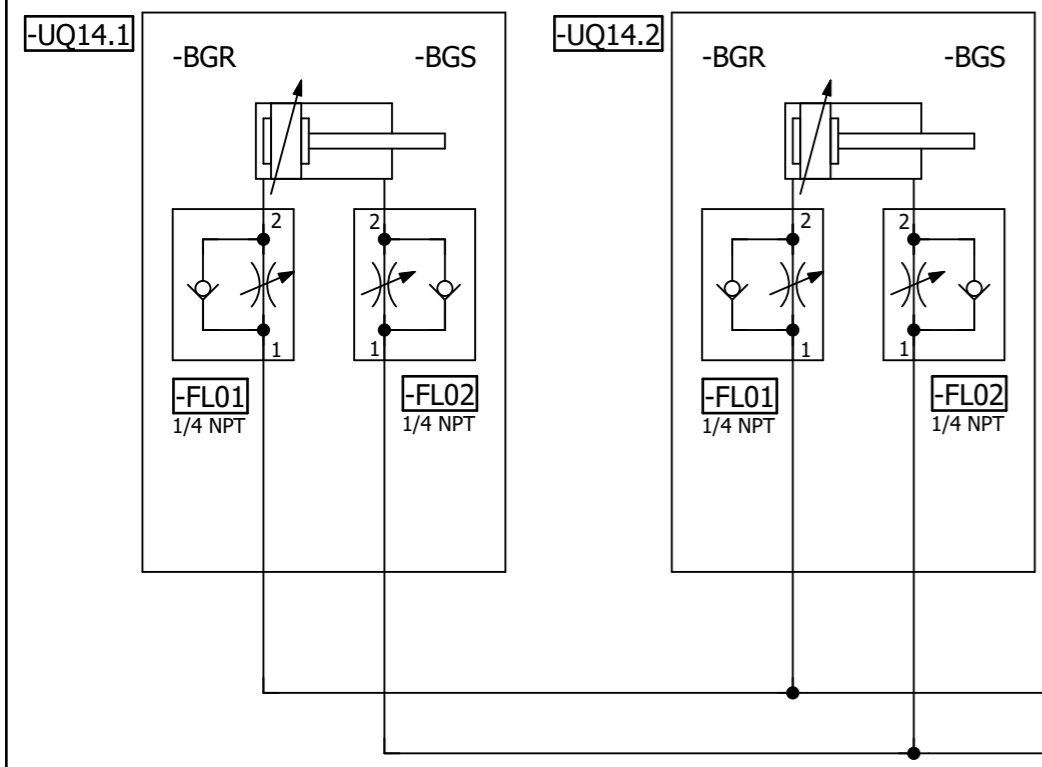
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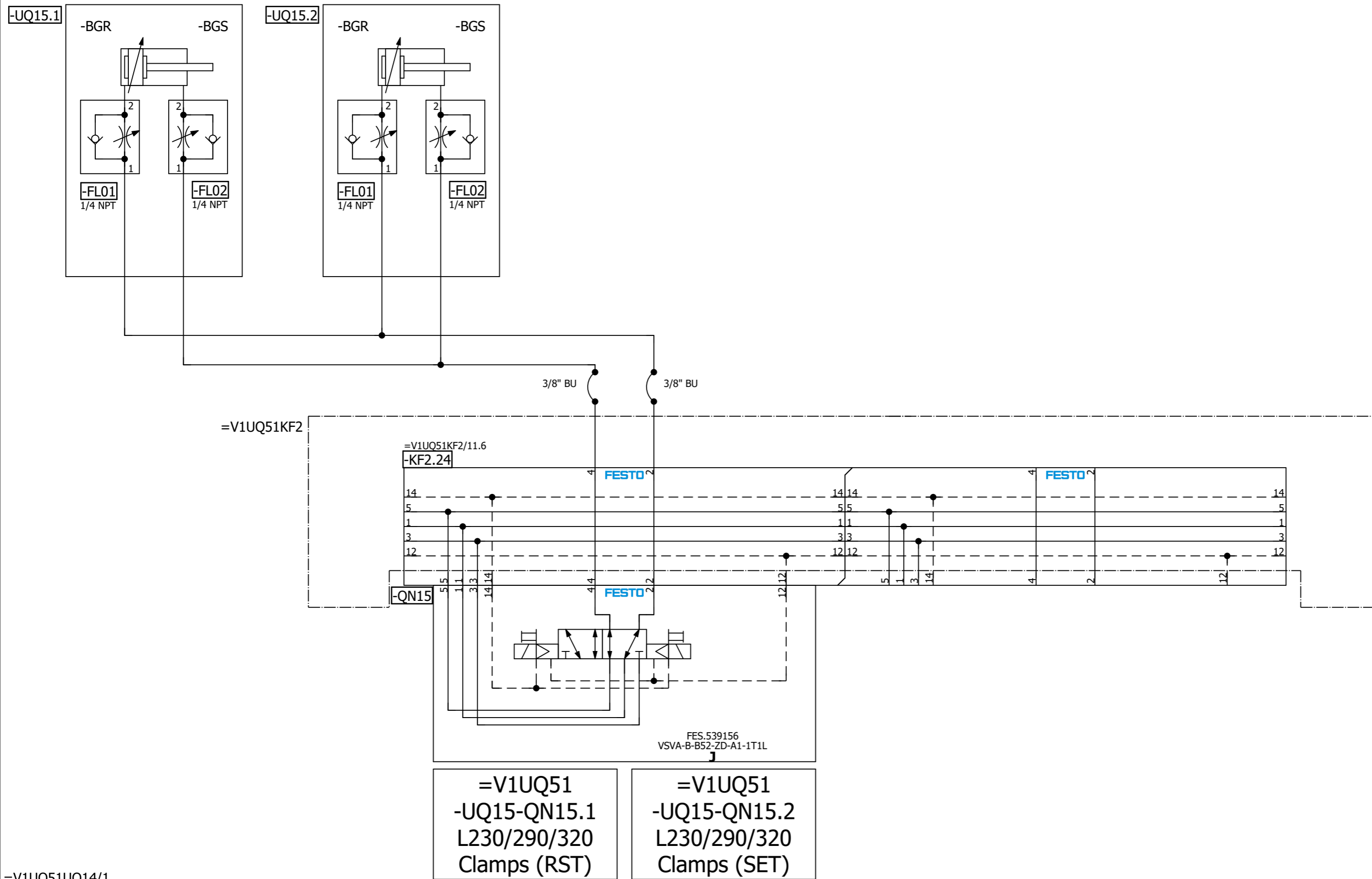






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L230/290 Model  
Clamps (RST)**

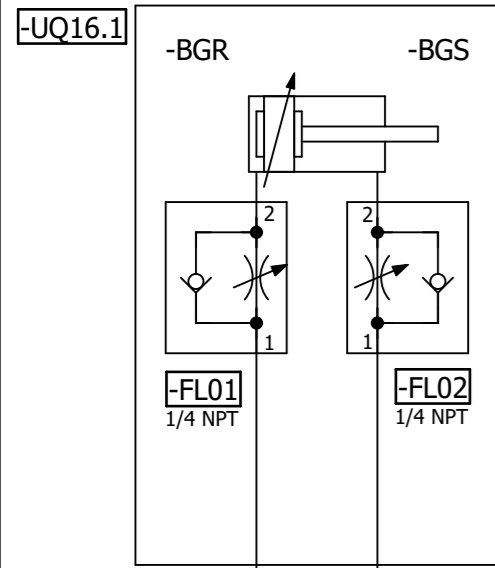
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L230/290 Model  
Clamps (SET)**



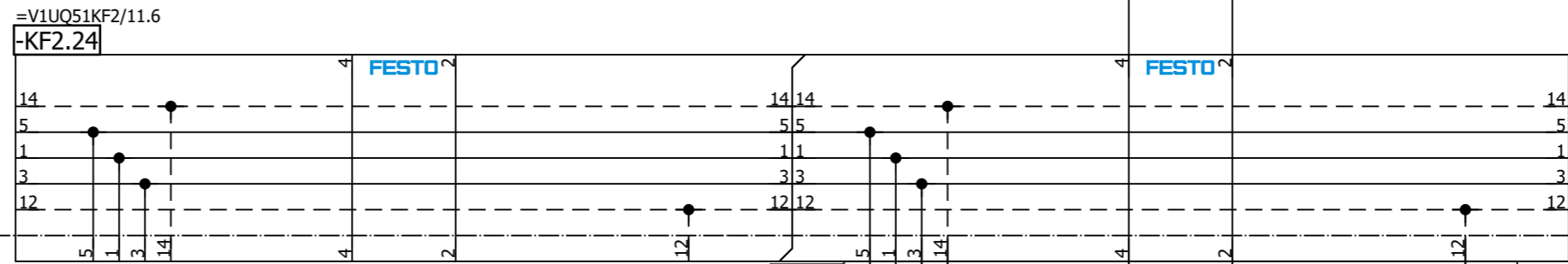
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Original			Replaced by				Project nr:		22-16151
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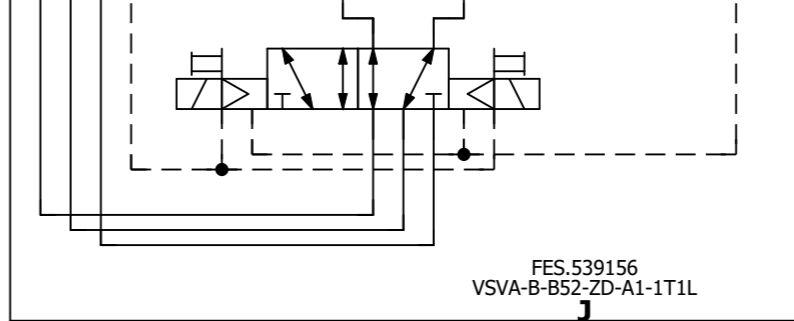


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-QN16

FESTO



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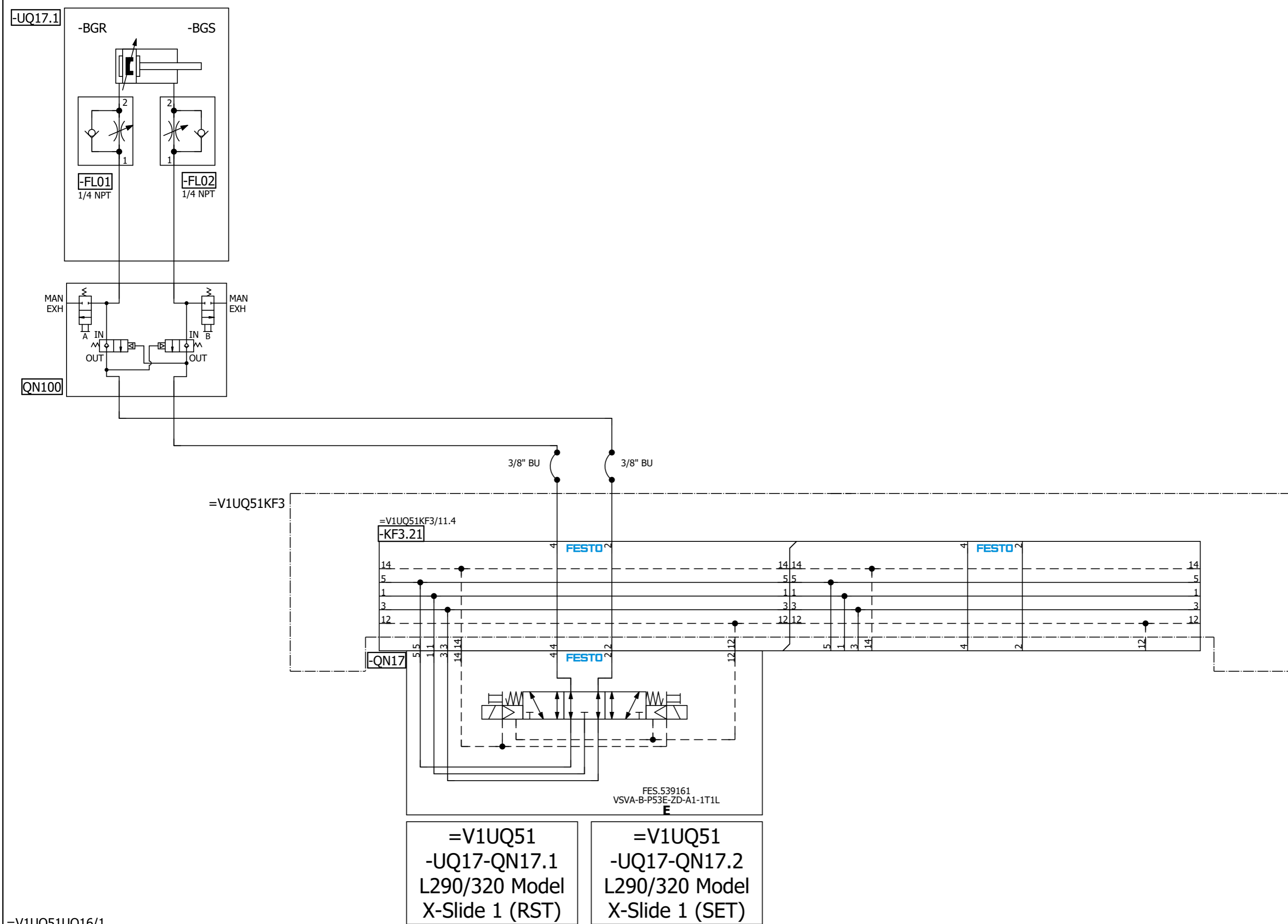
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L230 Model  
Clamp (RST)

=V1UQ51  
-UQ16-QN16.2  
L230 Model  
Clamp (SET)

=V1UQ51UQ17/1

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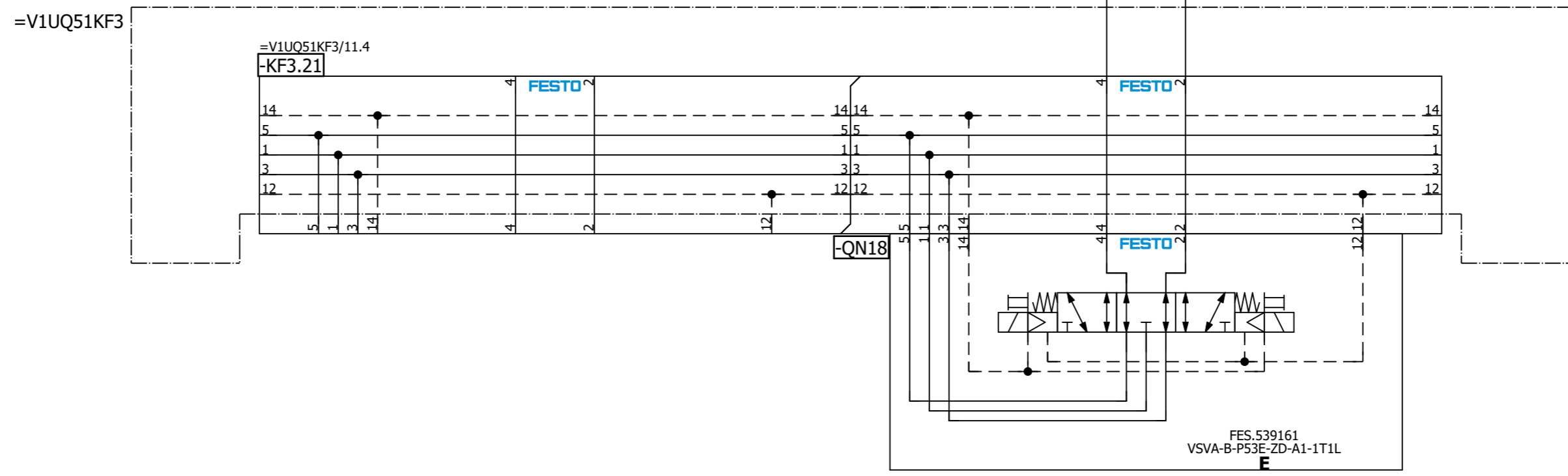
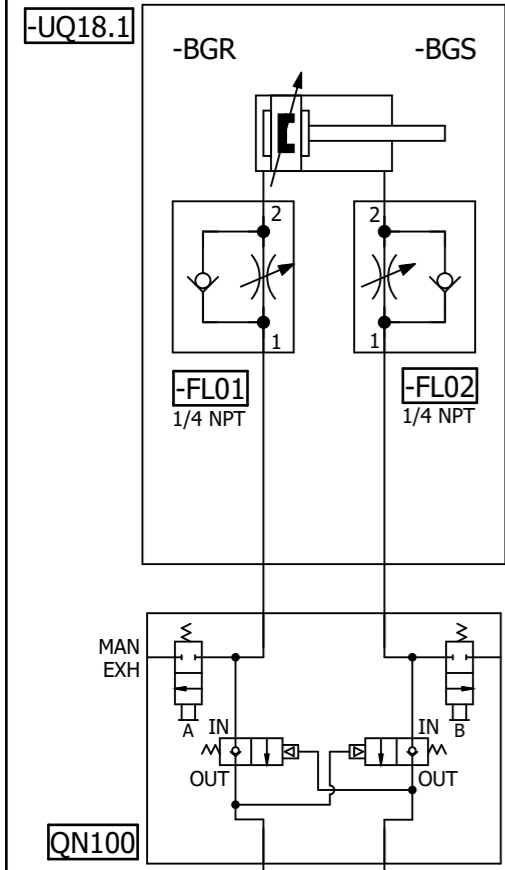
Date		12/21/2022	Volvo Trucks North America		Valiant TMS	L230 Model Clamp	Drawing name:		= V1UQ51UQ16
Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				=2V04&MFS-PNEU		+ V1UQ51
Appr			Replacement of		Scale 1:1		Document type:		Page
Original			Replaced by				MFS		Project nr:
Modification		Date	Name	Original			22-16151		227



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=V1UQ51UQ18/1

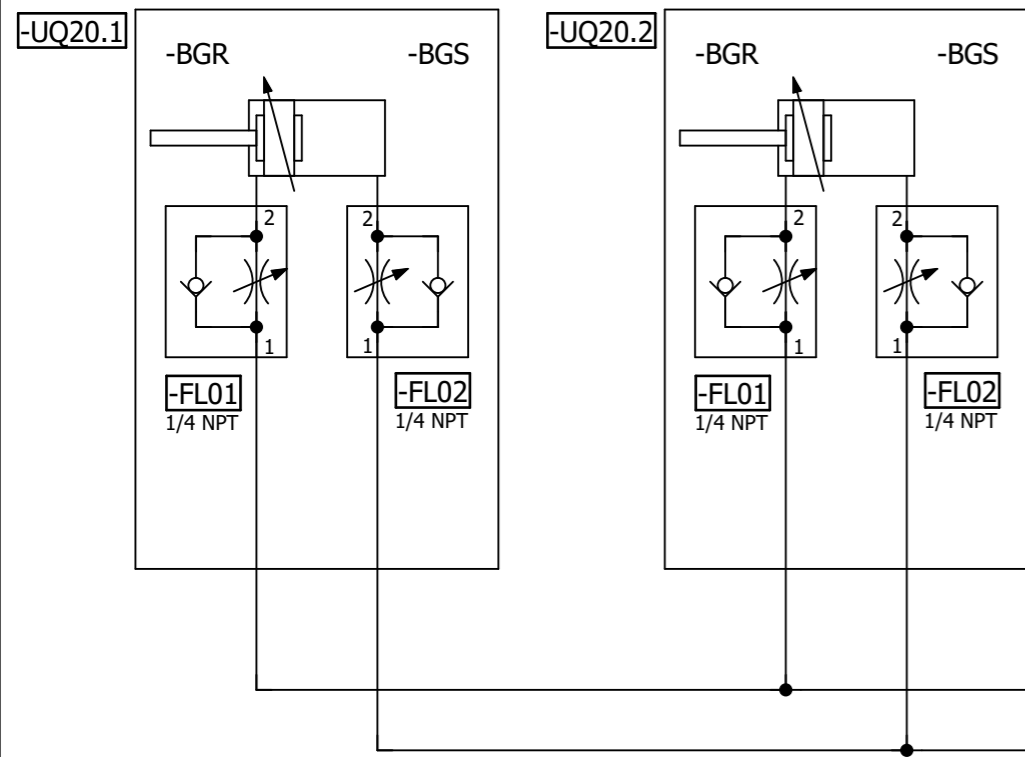
Date: 12/21/2022		Volvo Trucks North America		Valiant TMS		L290/320 Model X-Slide 1		Drawing name: =V1UQ51UQ17		= V1UQ51UQ17	
Ed.: MKLEPADLO		P6700 Underbody Mainline - Cell 2V04				Scale 1:1		Document type: MFS		Project nr: 22-16151	
Appr:		Replacement of						Replaced by		Page 1	



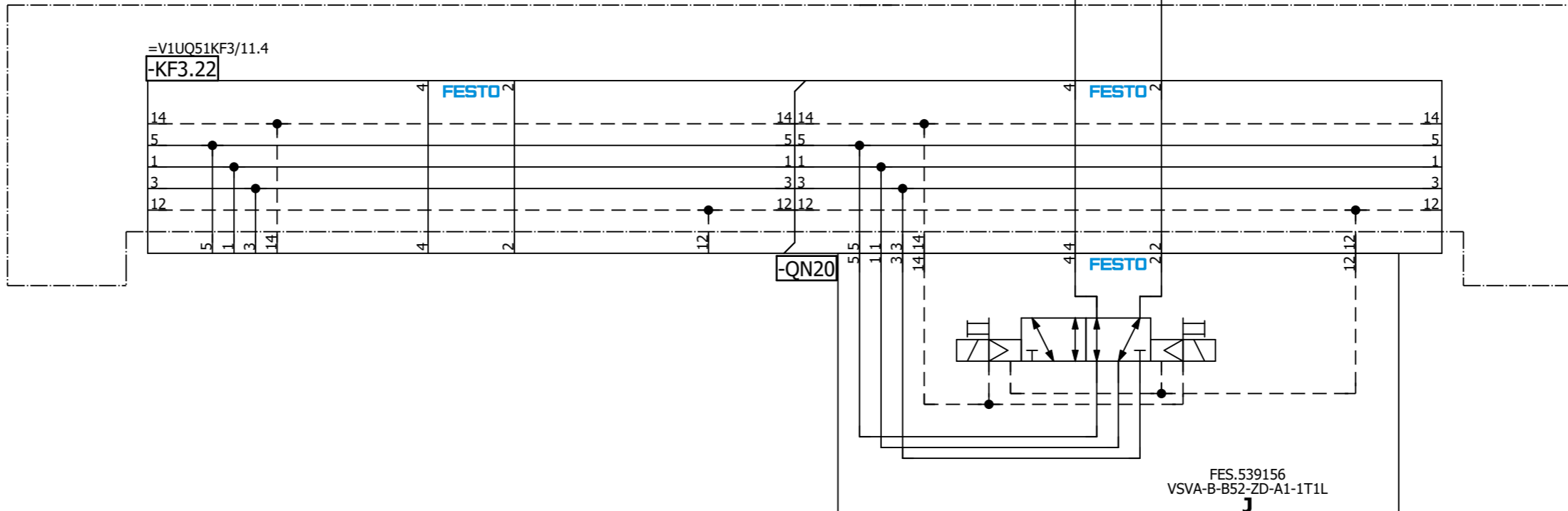
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**-UQ18-QN18.1**  
**L290/320 Model**  
**X-Slide 2 (RST)**

**=V1UQ51**  
**-UQ18-QN18.2**  
**L290/320 Model**  
**X-Slide 2 (SET)**





=V1UQ51KF3



=V1UQ51  
-UQ20-QN20.1  
L320 Model  
Shot Pins (RST)

=V1UQ51  
-UQ20-QN20.2  
L320 Model  
Shot Pins (SET)

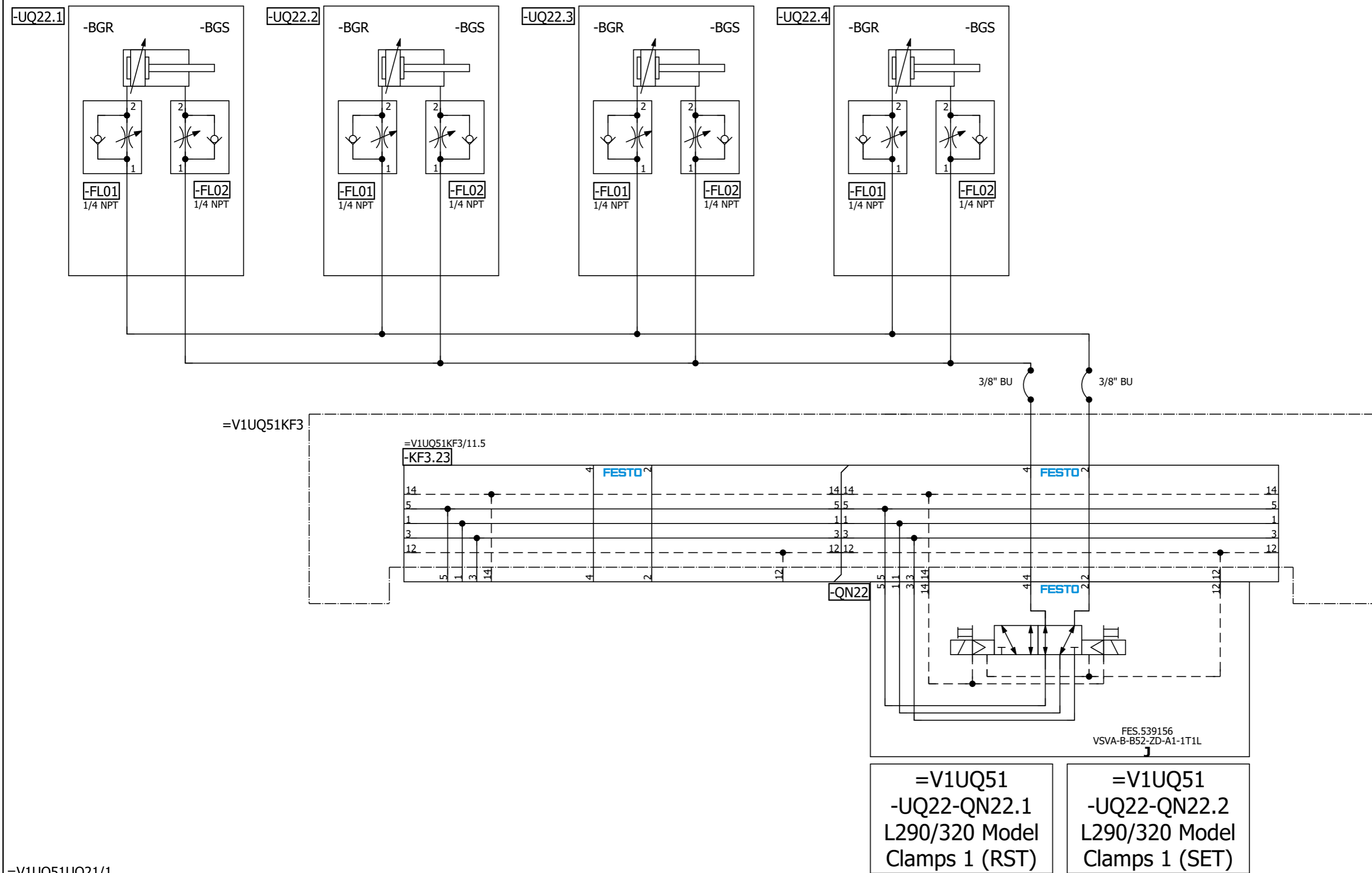
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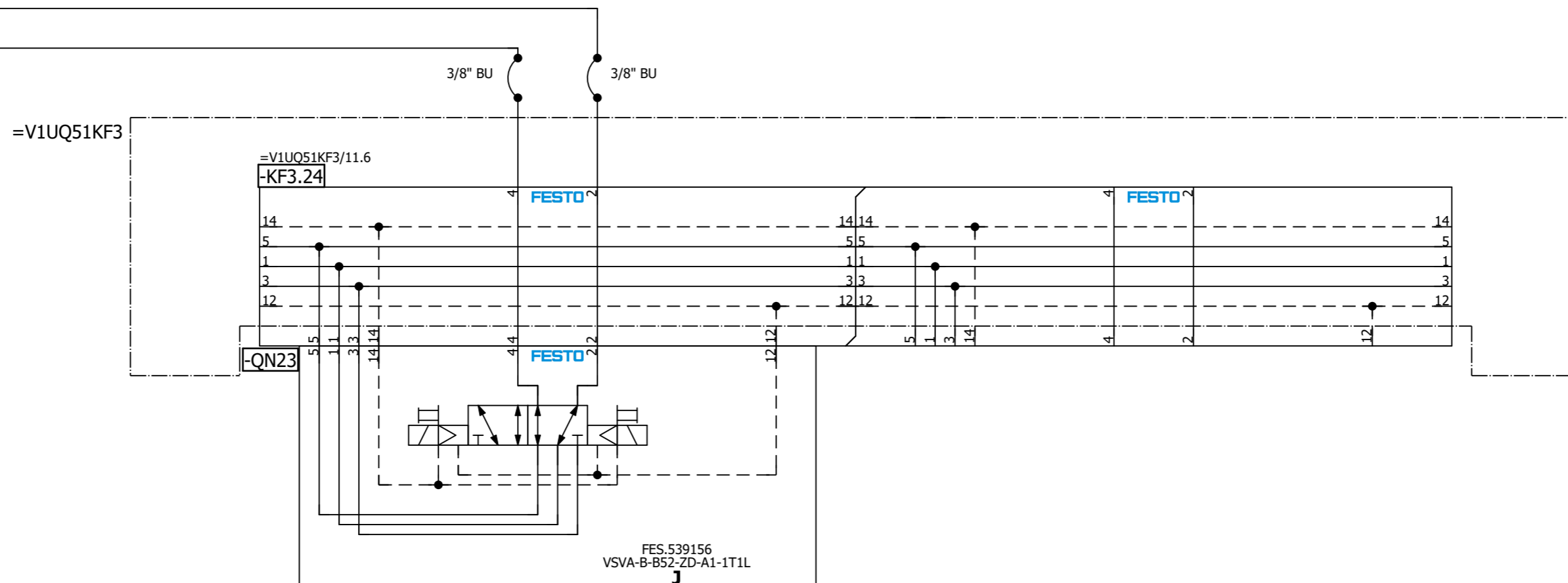
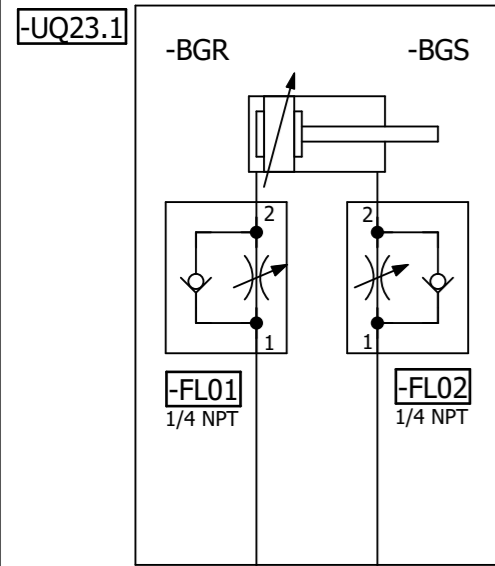
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Appr			Replacement of		Scale 1:1		Document type:		Project nr:
Modification	Date	Name	Original	Replaced by			MFS	22-16151	Page
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=V1UQ51  
-UQ23-QN23.1  
L290 Model  
Clamp 3 (RST)

=V1UQ51  
-UQ23-QN23.2  
L290 Model  
Clamp 3 (SET)

=V1UQ51UQ22/1

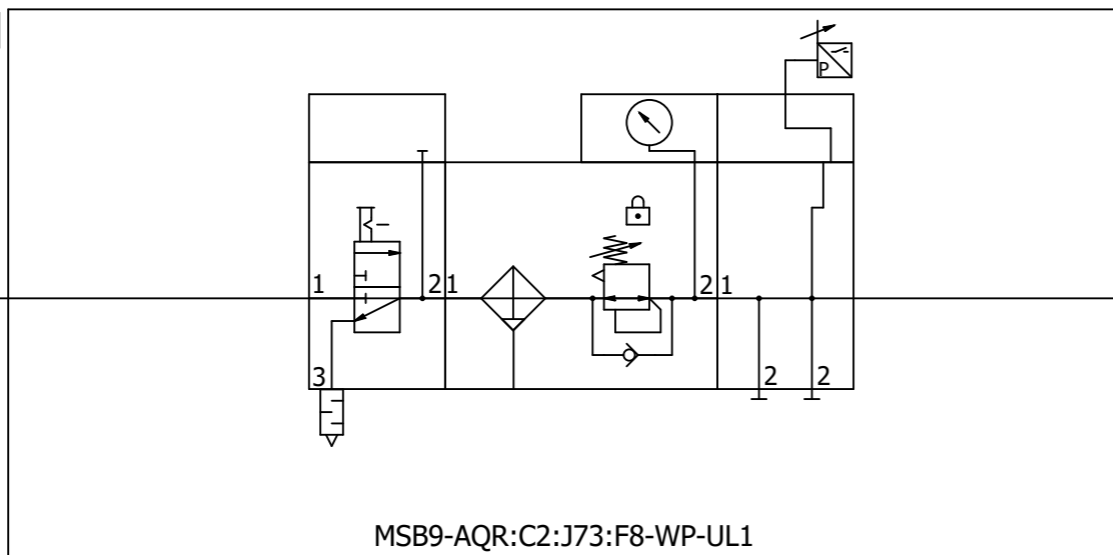
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				Document type:		MFS	= 2V04&MFS-PNEU
Appr			Replacement of		Scale 1:1	Project nr:		22-16151	Page	1
Original			Replaced by			Document type:		MFS	227	



A2

=KH0+KH0/1.7 / +V1UQ52KH1-P1




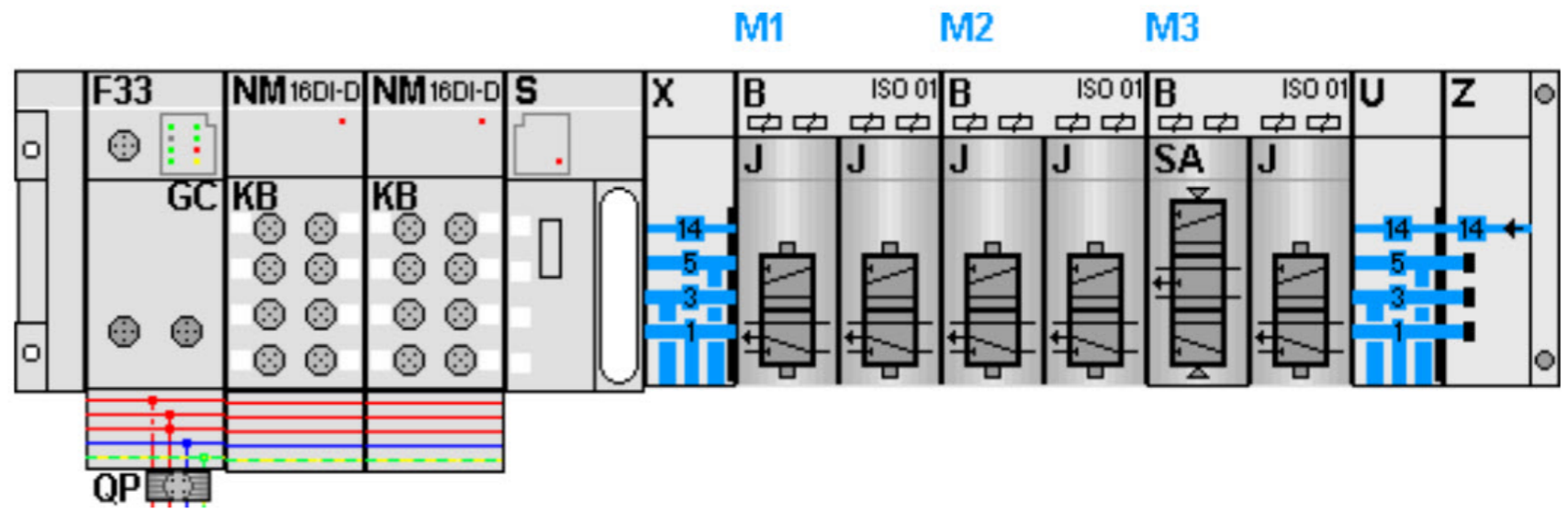
1/2"

+V1UQ52-P1 / =V1UQ52KF1+V1UQ52/11.0

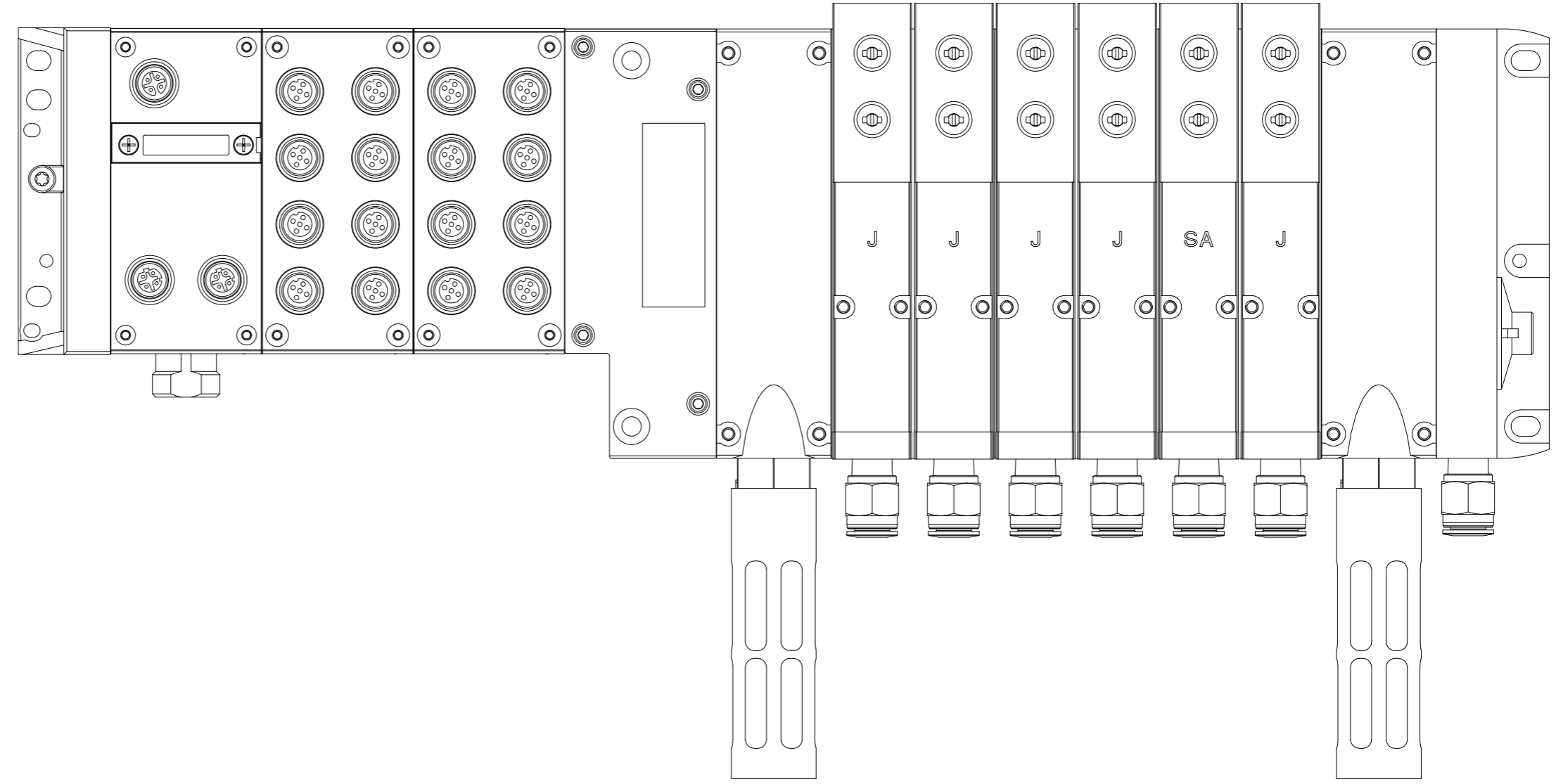
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=V1UQ52KF1+V1UQ52/5

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		Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04						=2V04&MFS-PNEU		+ KH1		
		Appr		Replacement of		Replaced by	Scale 1:1	Document type:		MFS	Project nr:	22-16151	Page	1
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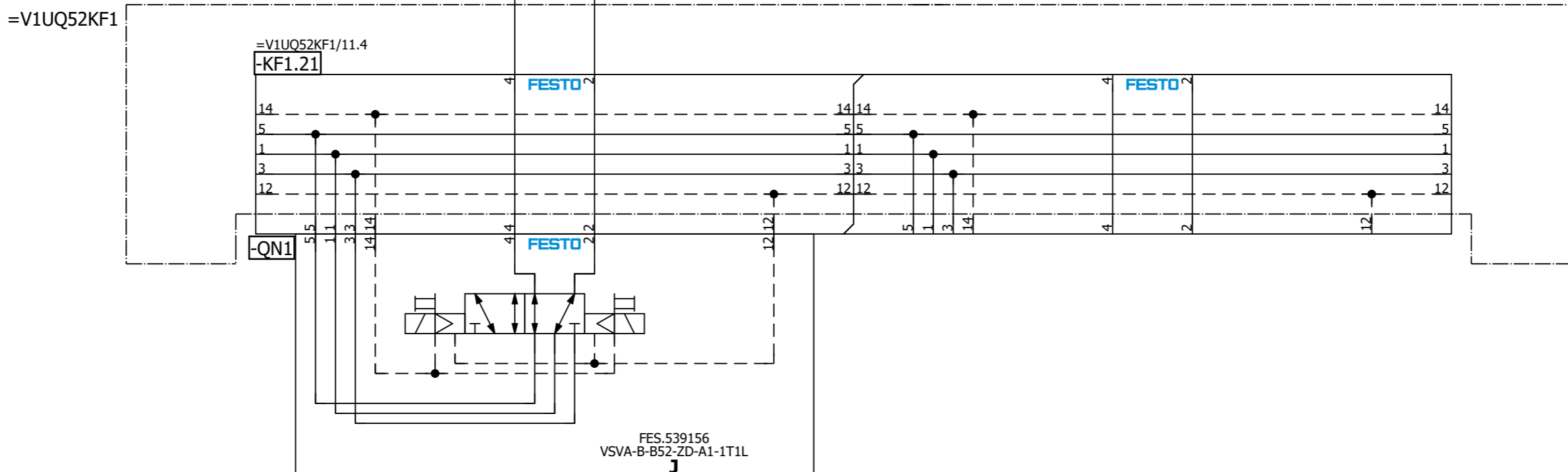
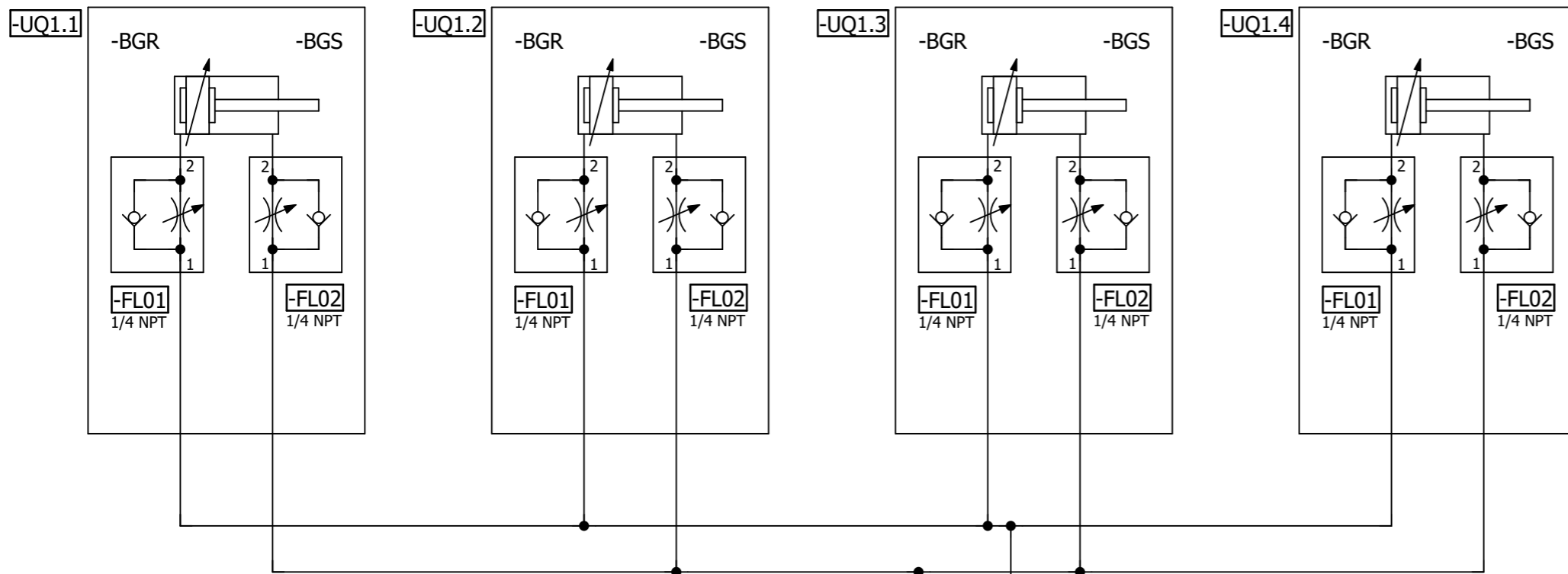
KF1.0



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Date		12/21/2022		Volvo Trucks North America		Valiant TMS		AIR SUPPLY CONFIGURATION		Drawing name:		= V1UQ52KF1	
Ed.		MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				= 2V04&MFS-PNEU		+ V1UQ52	
Appr				Replacement of		Replaced by				Document type:		Project nr:	
Original										MFS		22-16151	
Modification		Date		Name								Page	
												5	
												227	





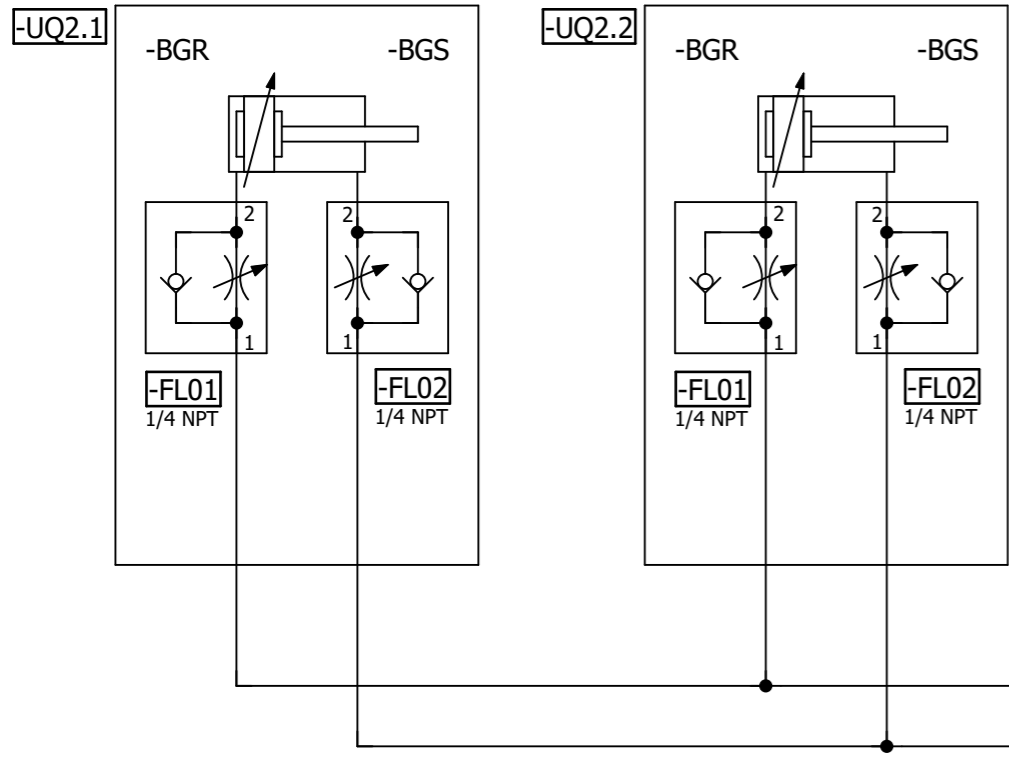
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Common  
Clamps (RST)

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Common  
Clamps (SET)

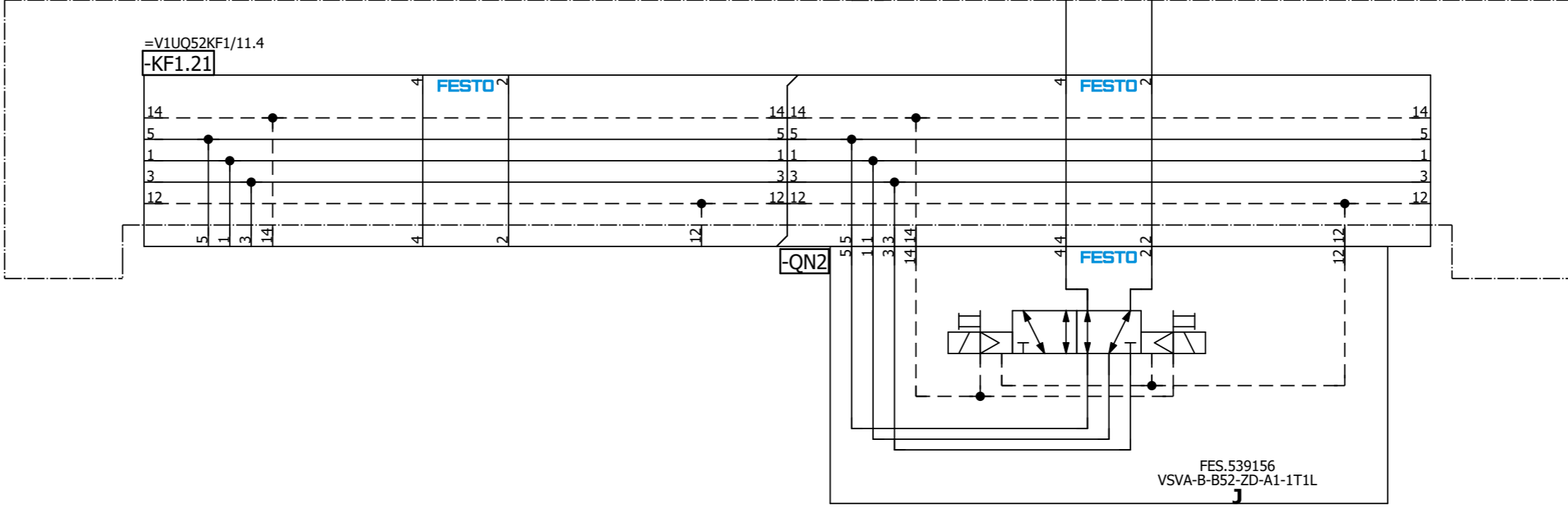
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Ed.: MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Common Clamps		Document type: MFS		+ V1UQ52	
Appr.:		Replacement of:		Scale 1:1		Project nr: 22-16151		Page 1	
Original:		Replaced by:						227	



=V1UQ52KF1



=V1UQ52  
-UQ2-QN2.1  
L150 Model  
Clamps (RST)

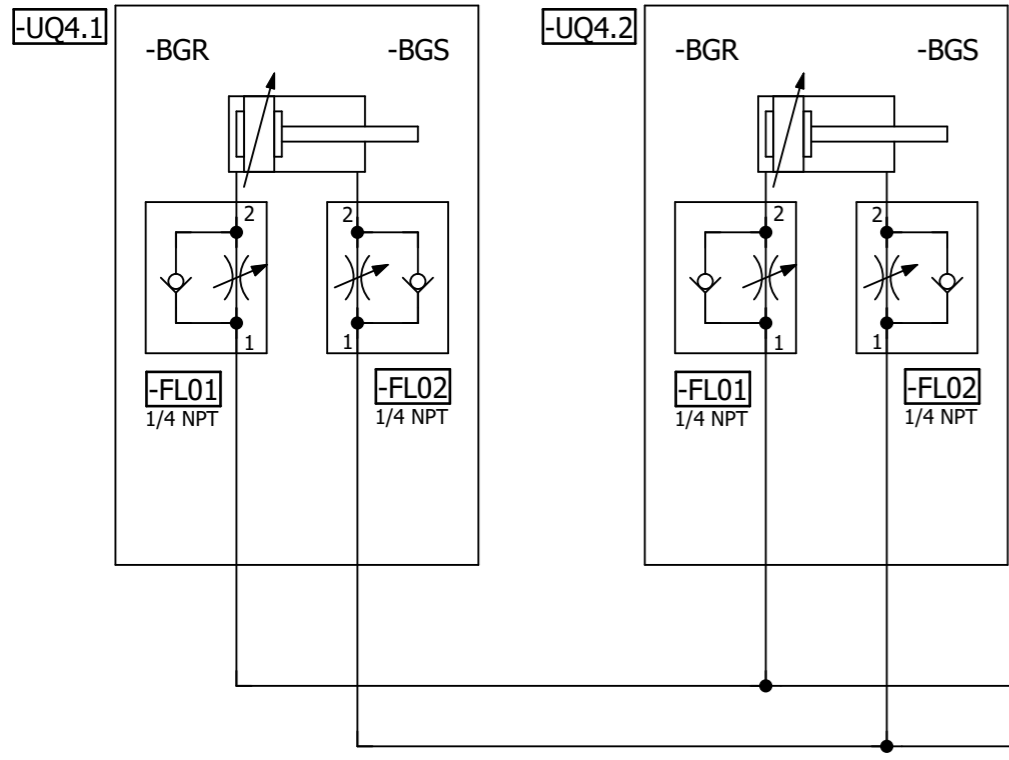
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L150 Model  
Clamps (SET)

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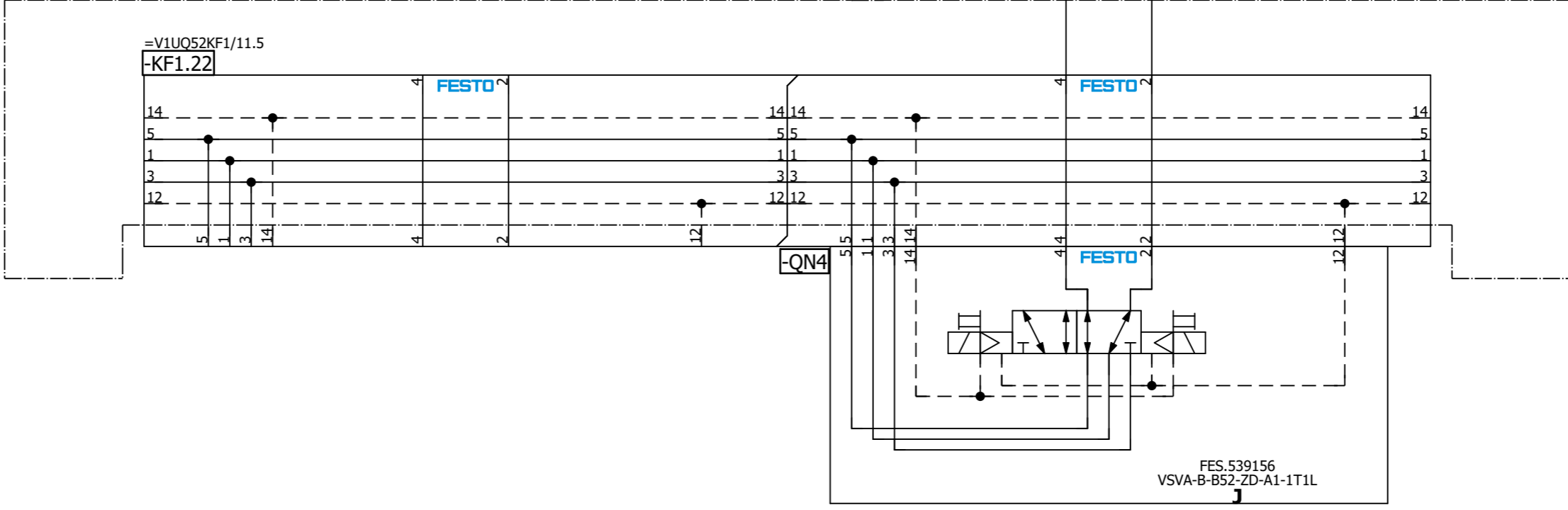
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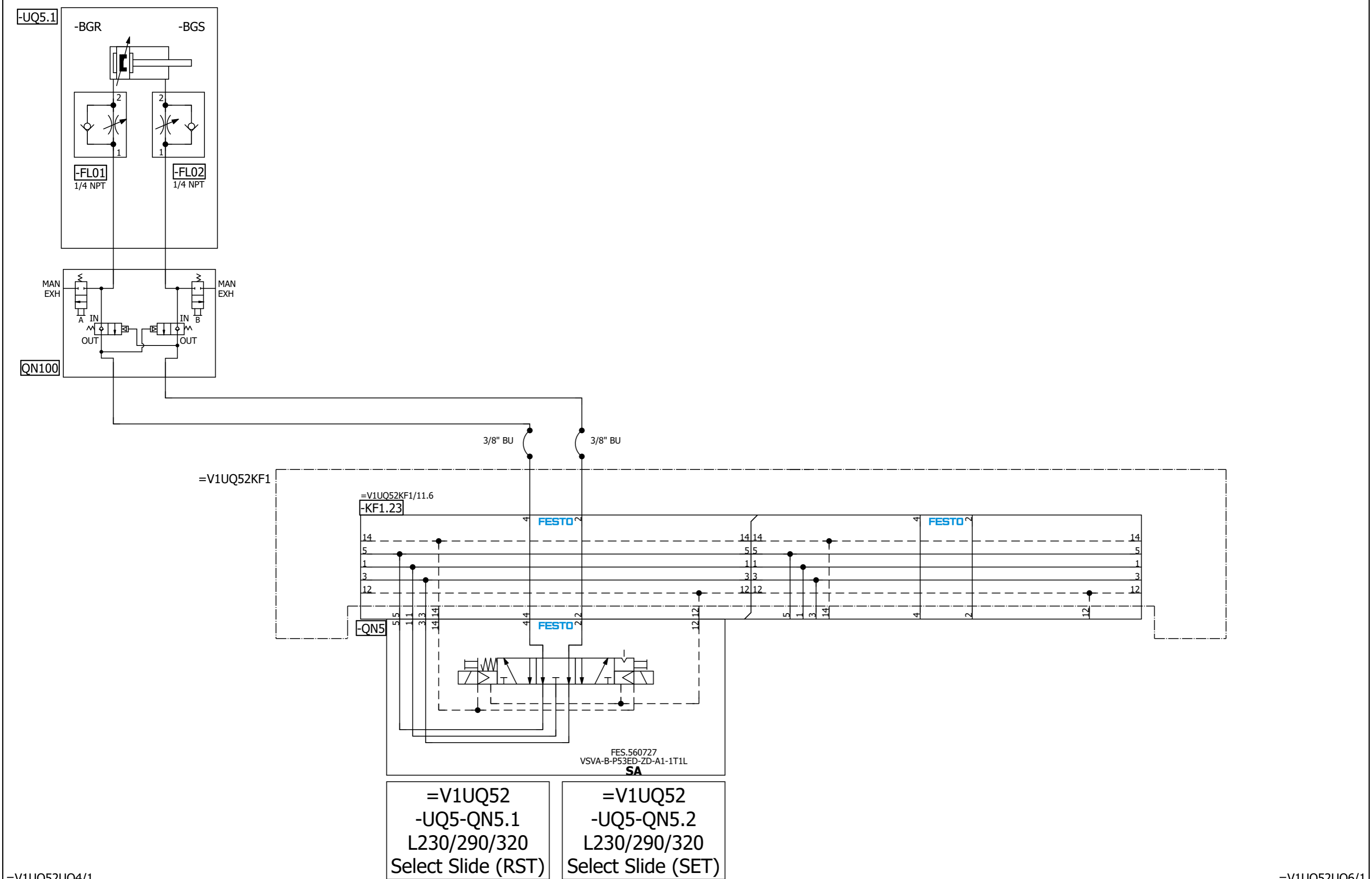


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-UQ4-QN4.1  
L230/290/320  
Clamps (RST)

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-UQ4-QN4.2  
L230/290/320  
Clamps (SET)

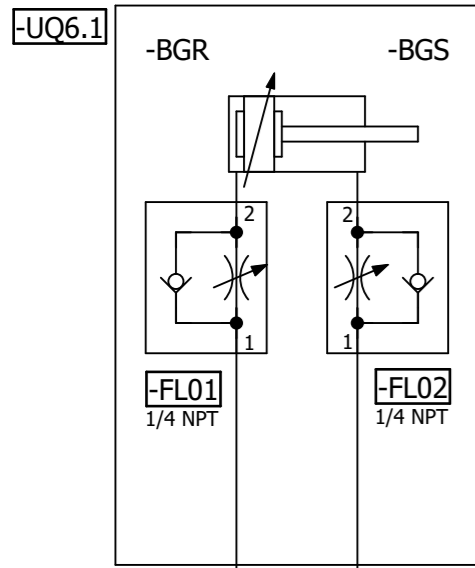
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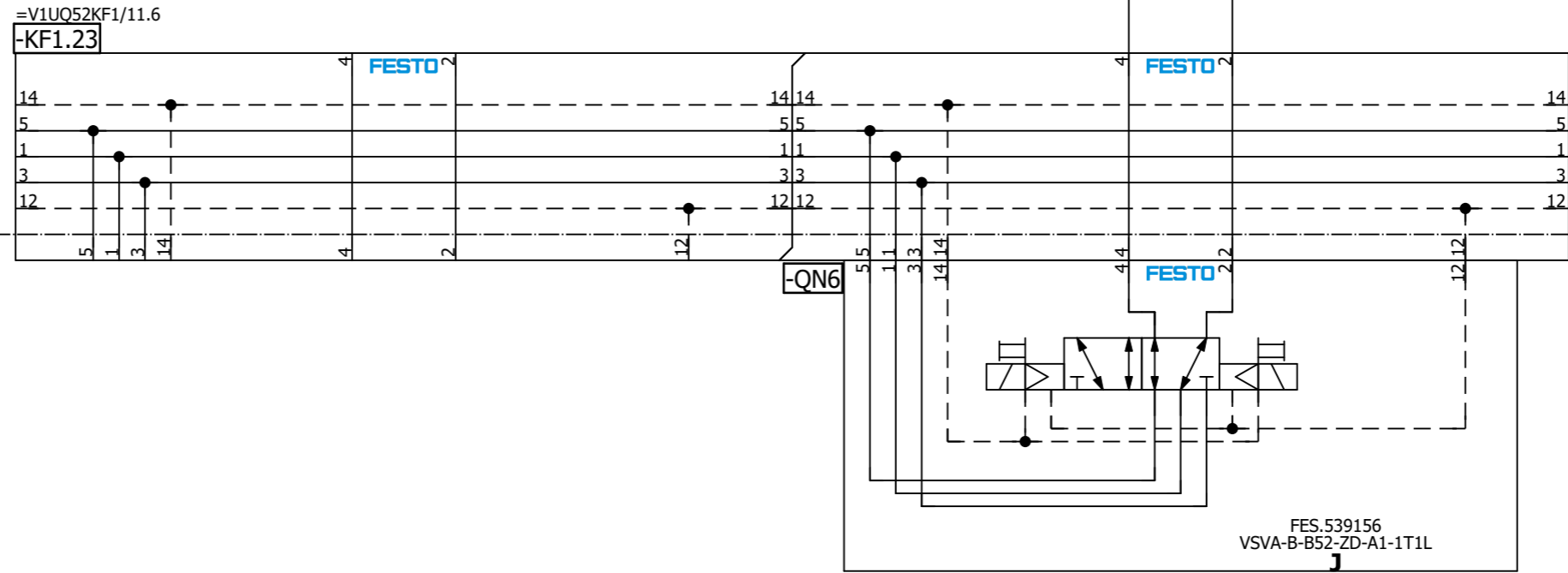


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		Ed. MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type: MFS		Project nr: 22-16151	
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=V1UQ52UQ6/1



=V1UQ52KF1



=V1UQ52  
-UQ6-QN6.1  
L290 Slide Lock  
Clamp (RST)

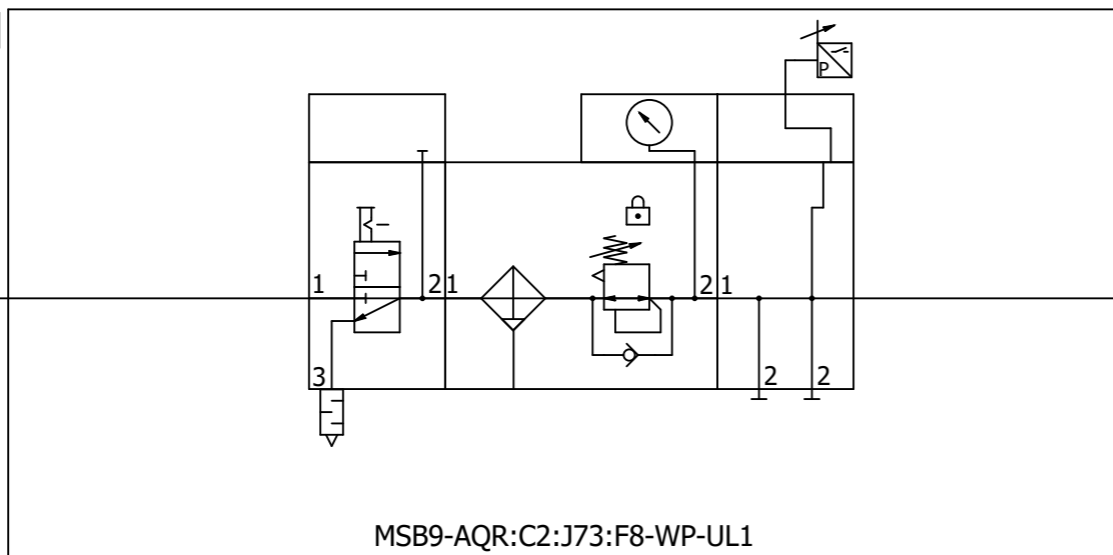
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-UQ6-QN6.2  
L290 Slide Lock  
Clamp (SET)

=V1UQ53+KH1/1

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Modification	Date	Name	Original	Replacement of		Replaced by	Scale 1:1	Document type:	MFS	Project nr:	22-16151	Page
								= 2V04&MFS-PNEU				227

A2

=KH0+KH0/1.7 / +V1UQ53KH1-P1




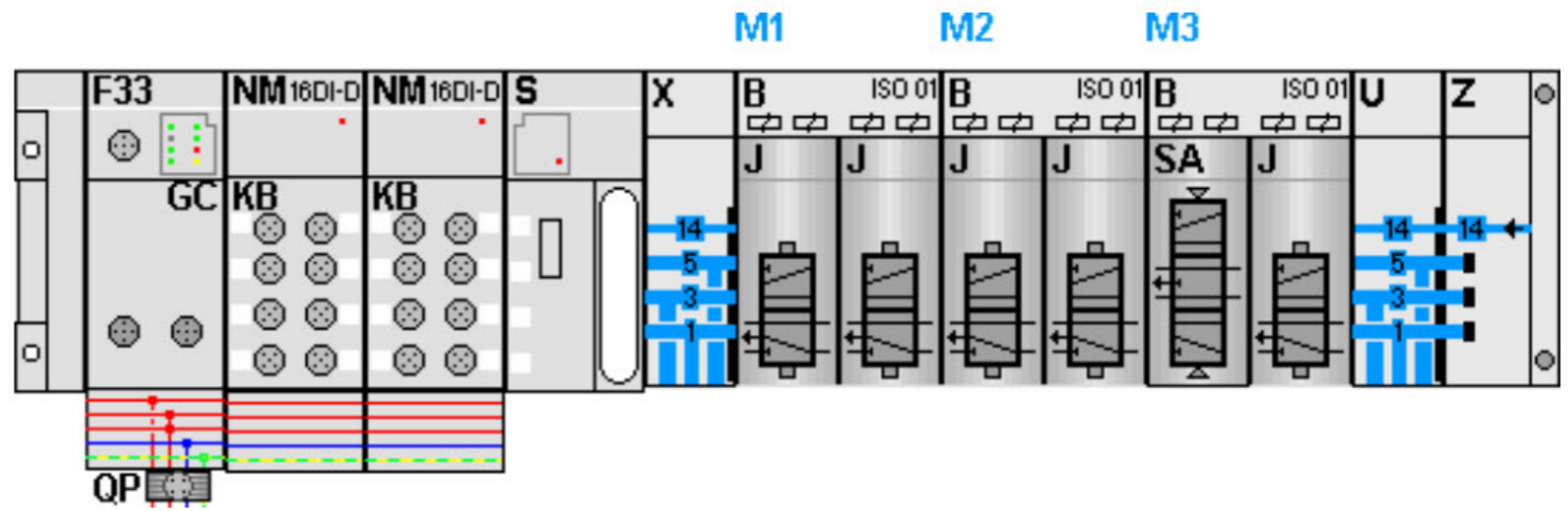
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+V1UQ53-P1 / =V1UQ53KF1+V1UQ53/11.0

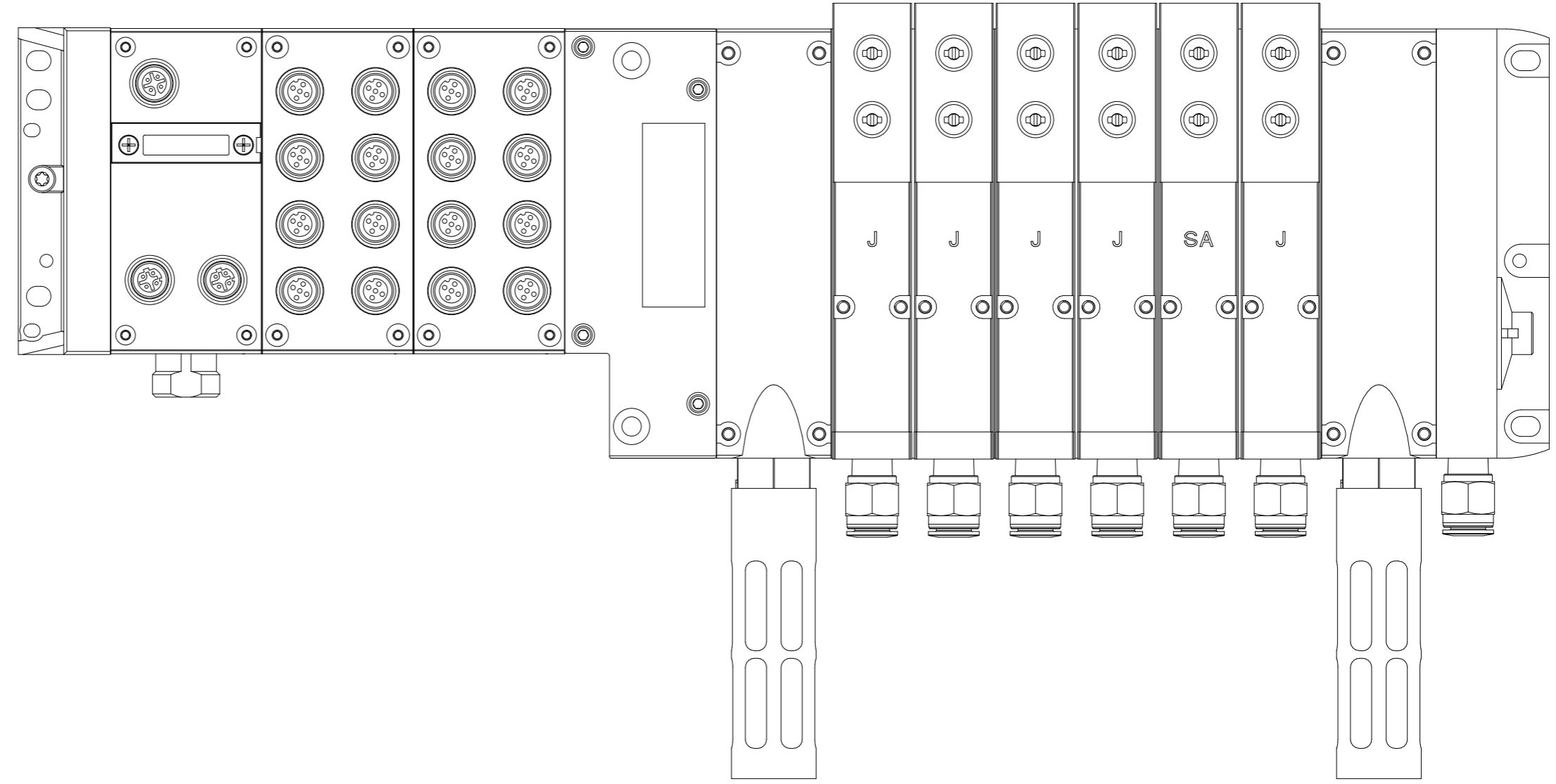
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=V1UQ53KF1+V1UQ53/5

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		Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04			Scale 1:1		=2V04&MFS-PNEU		+ KH1
Modification	Date	Name	Original	Replacement of	Replaced by			Document type:	Project nr:	Page	1
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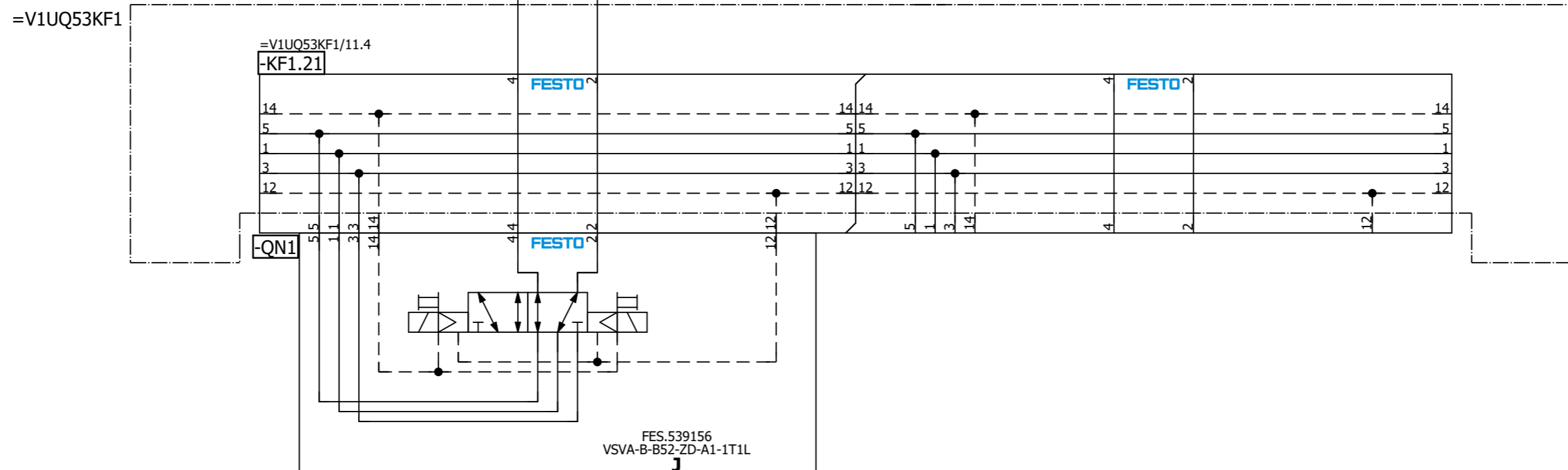
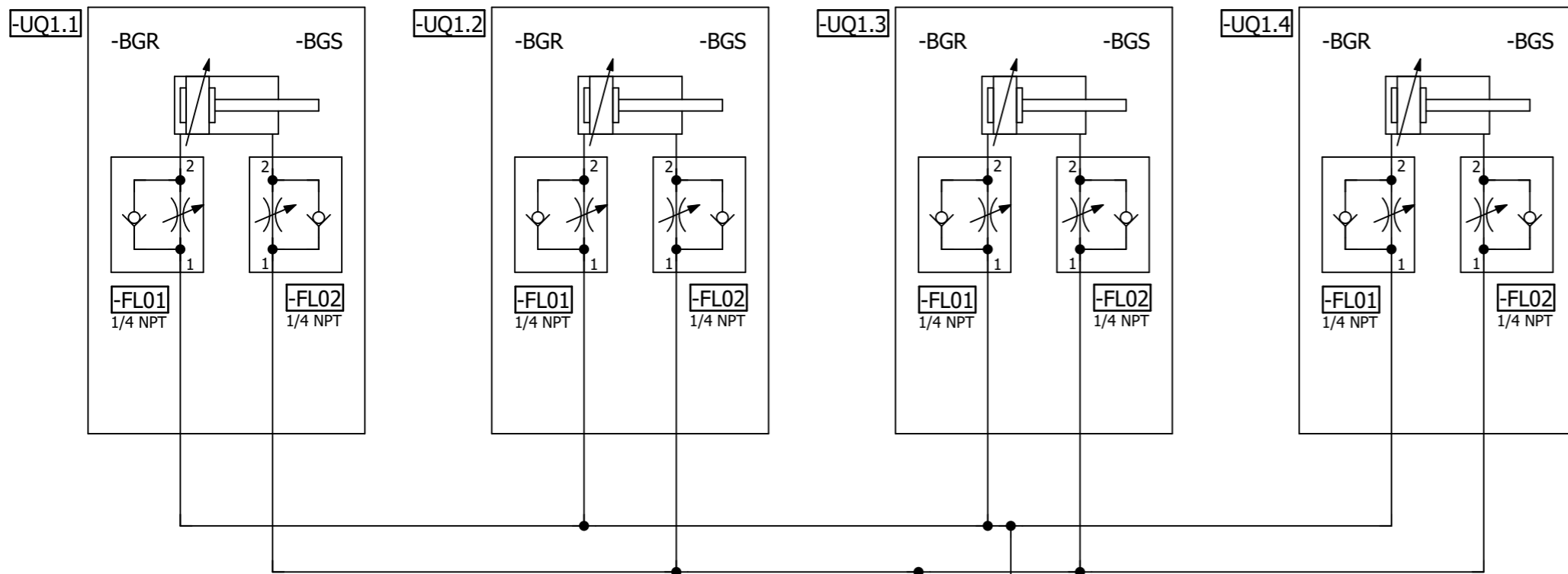
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=V1UQ53+KH1/1

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Ed.		MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				=2V04&MFS-PNEU		+ V1UQ53	
Appr				Replacement of		Replaced by				Document type:		Project nr:	
Original										MFS		22-16151	
Modification		Date		Name								Page	
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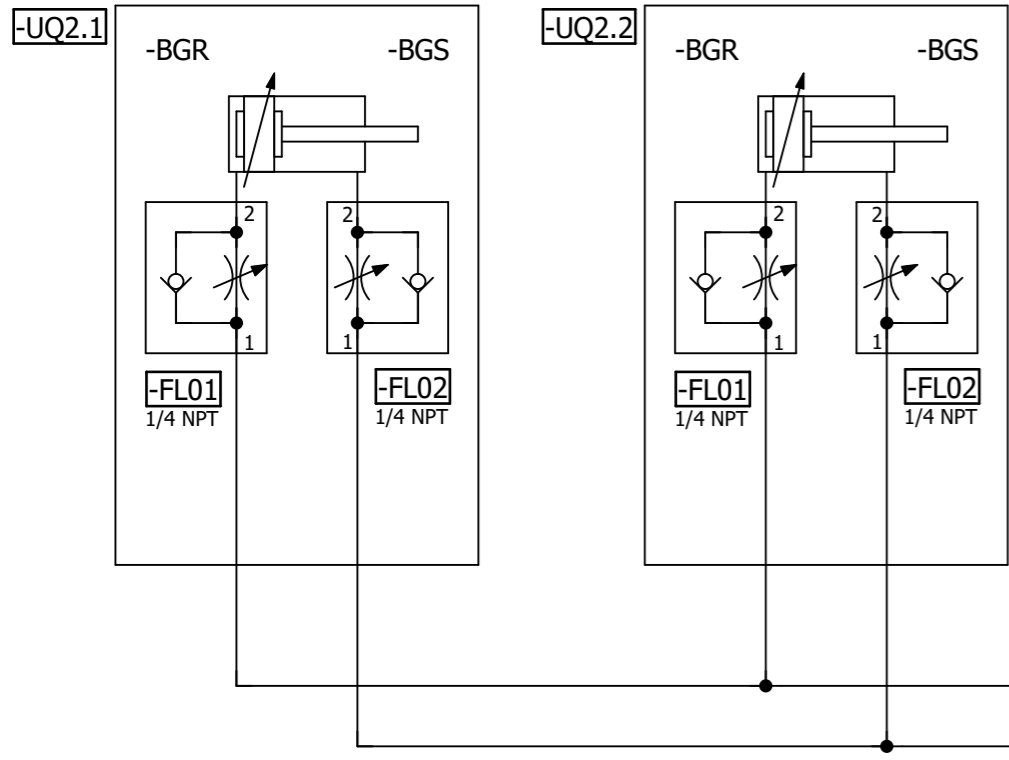




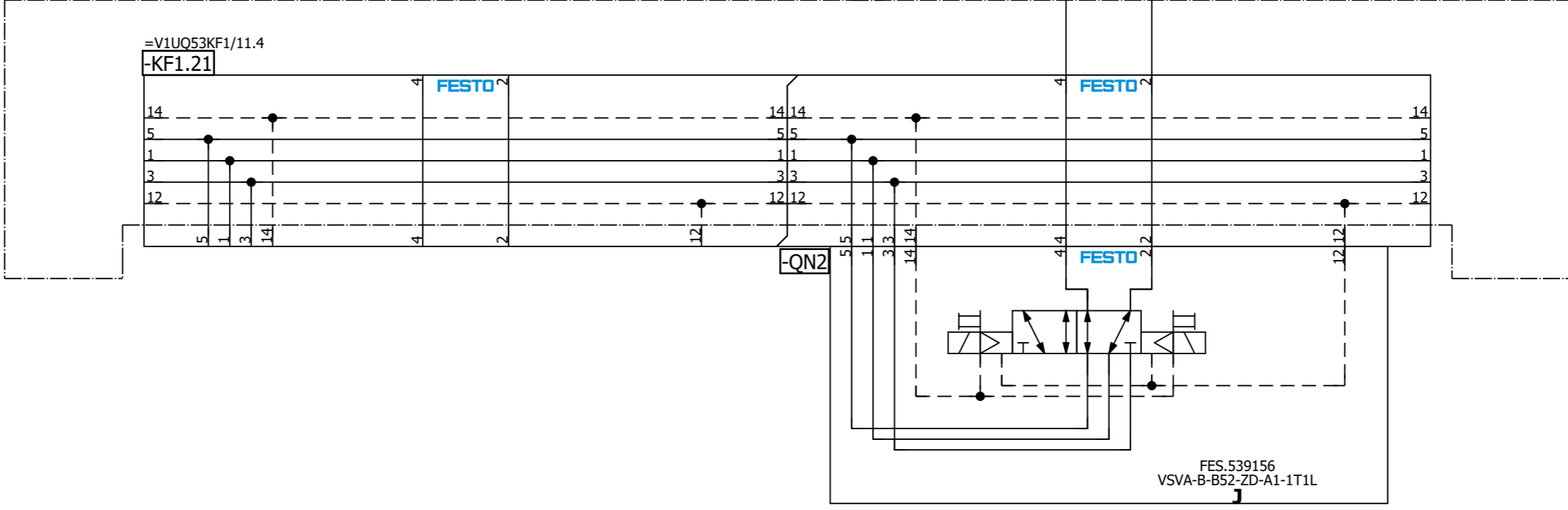
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-UQ1-QN1.1  
Common  
Clamps (RST)

=V1UQ53  
-UQ1-QN1.2  
Common  
Clamps (SET)





=V1UQ53KF1



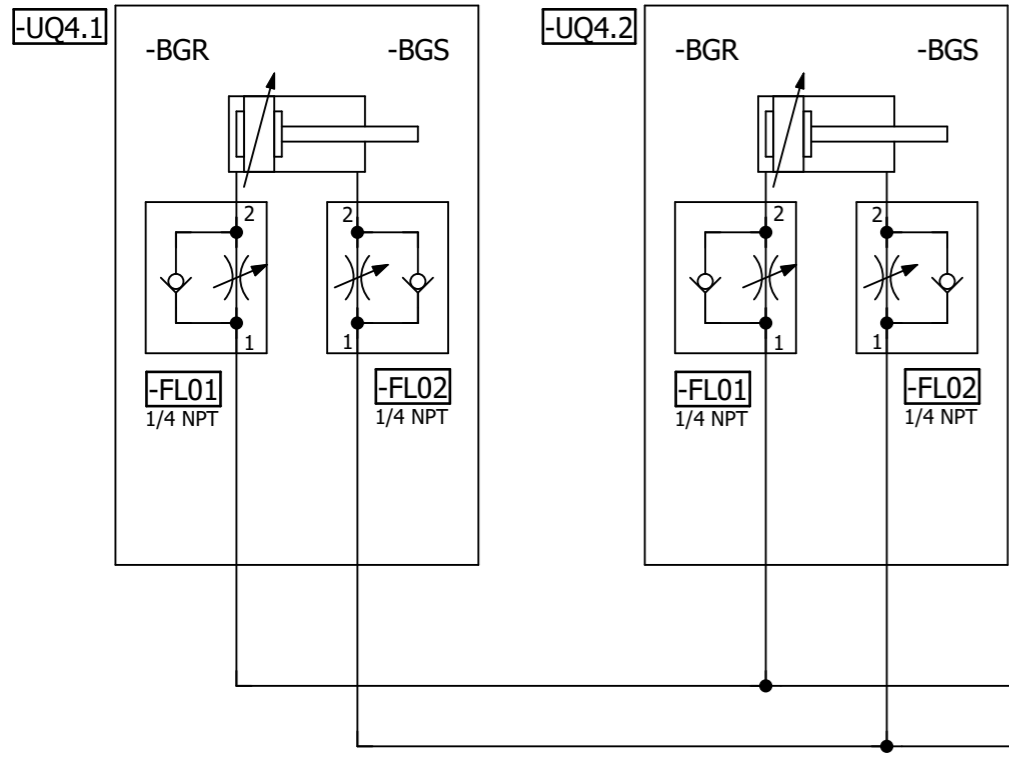
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-UQ2-QN2.1  
L150 Model  
Clamps (RST)

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-UQ2-QN2.2  
L150 Model  
Clamps (SET)

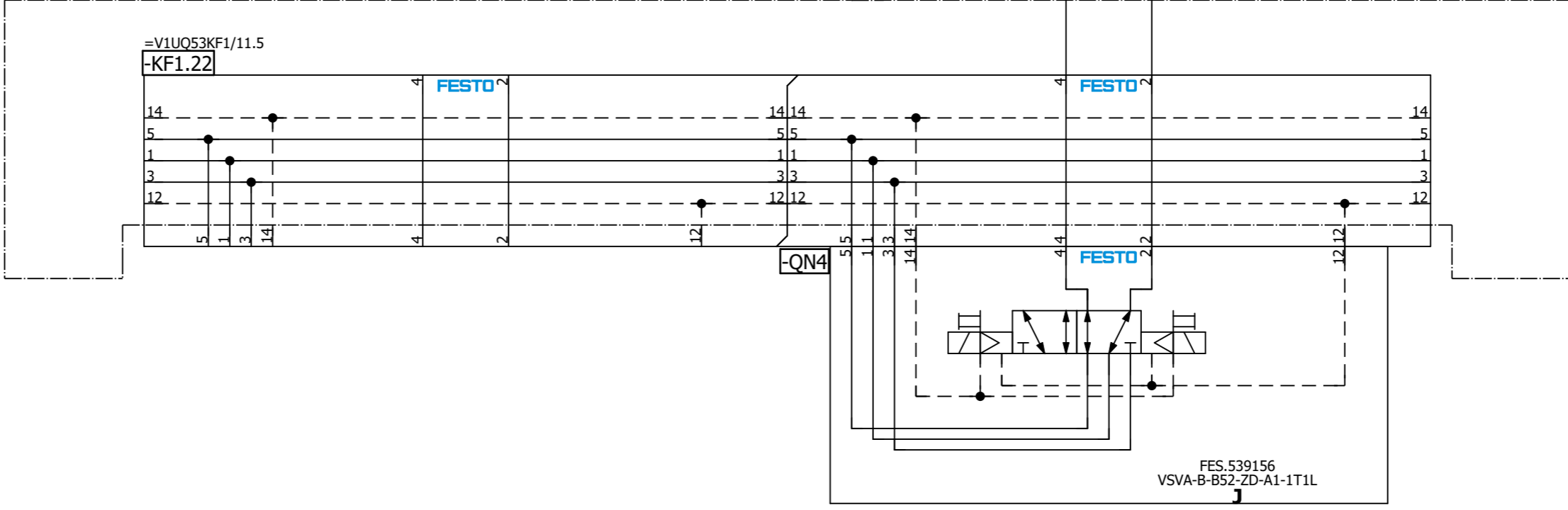
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=V1UQ53UQ3/1





=V1UQ53KF1



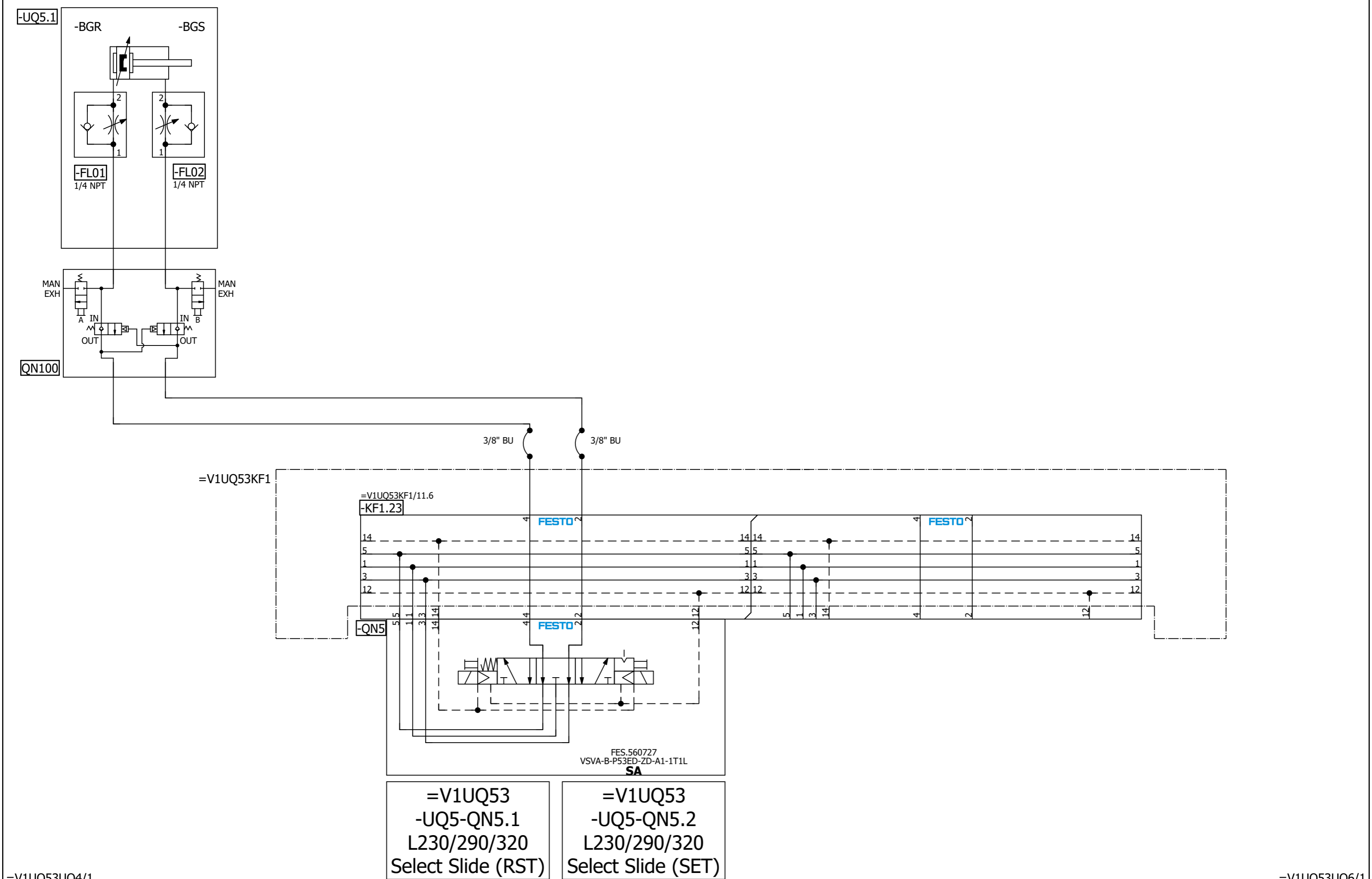
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L230/290/320  
Clamps (RST)

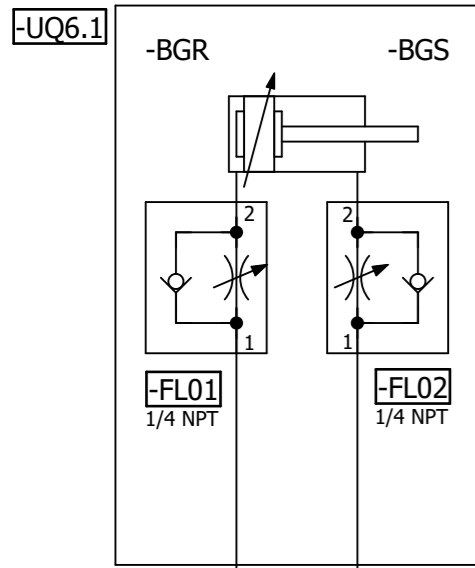
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L230/290/320  
Clamps (SET)

=V1UQ53UQ3/1

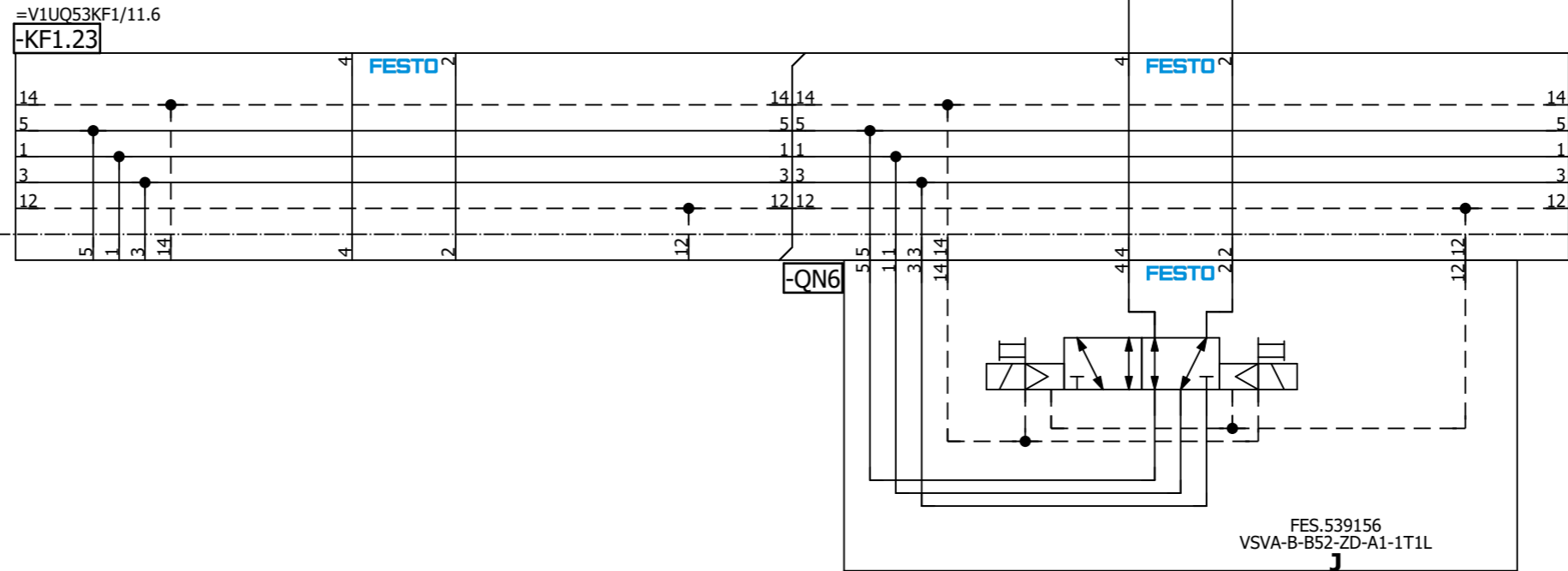
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Date: 12/21/2022		Volvo Trucks North America		Valiant TMS		L230/290/320 Model Clamps		Drawing name: =2V04&MFS-PNEU		= V1UQ53UQ4 + V1UQ53	
Ed.: MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1				Document type: MFS		Project nr: 22-16151	
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=V1UQ53KF1



**=V1UQ53  
-UQ6-QN6.1  
L290 Slide Lock  
Clamp (RST)**

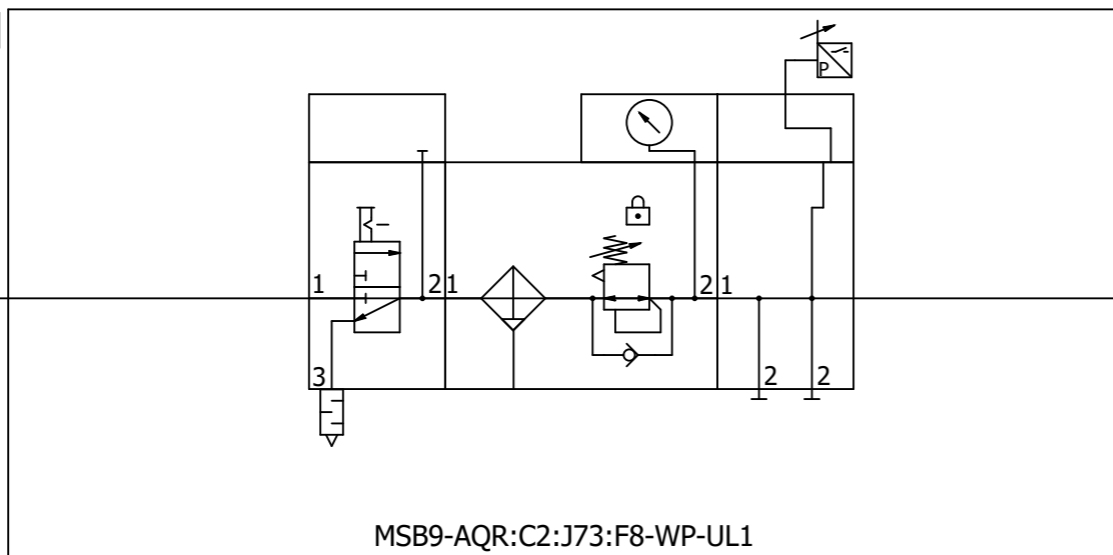
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L290 Slide Lock  
Clamp (SET)**

=V1UQ54+KH1/1

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		Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04		Scale 1:1		=2V04&MFS-PNEU	+ V1UQ53	
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								MFS	22-16151	227

A2

=KH0+KH0/1.7 / +V1UQ54KH1-P1




1/2"

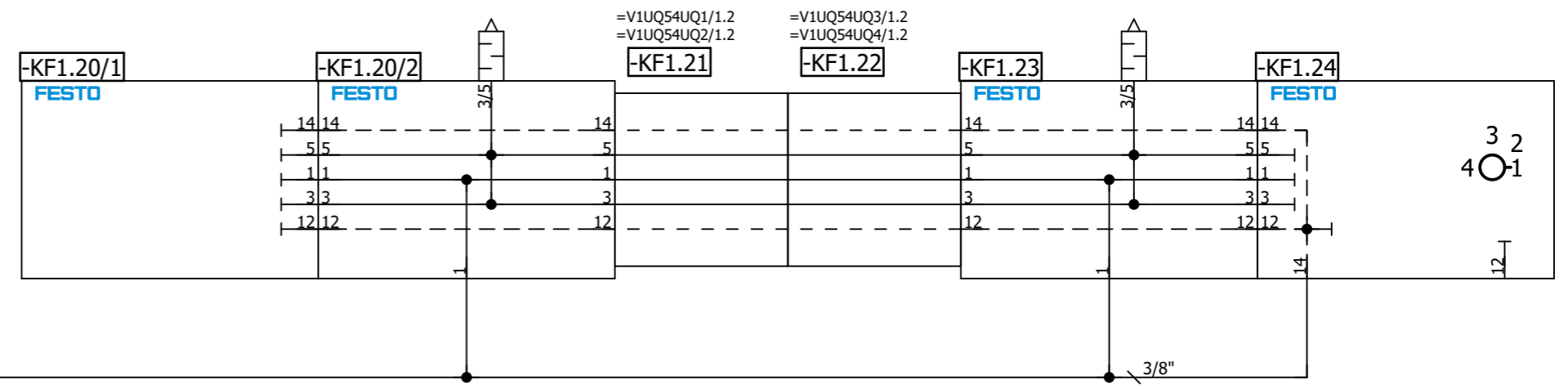
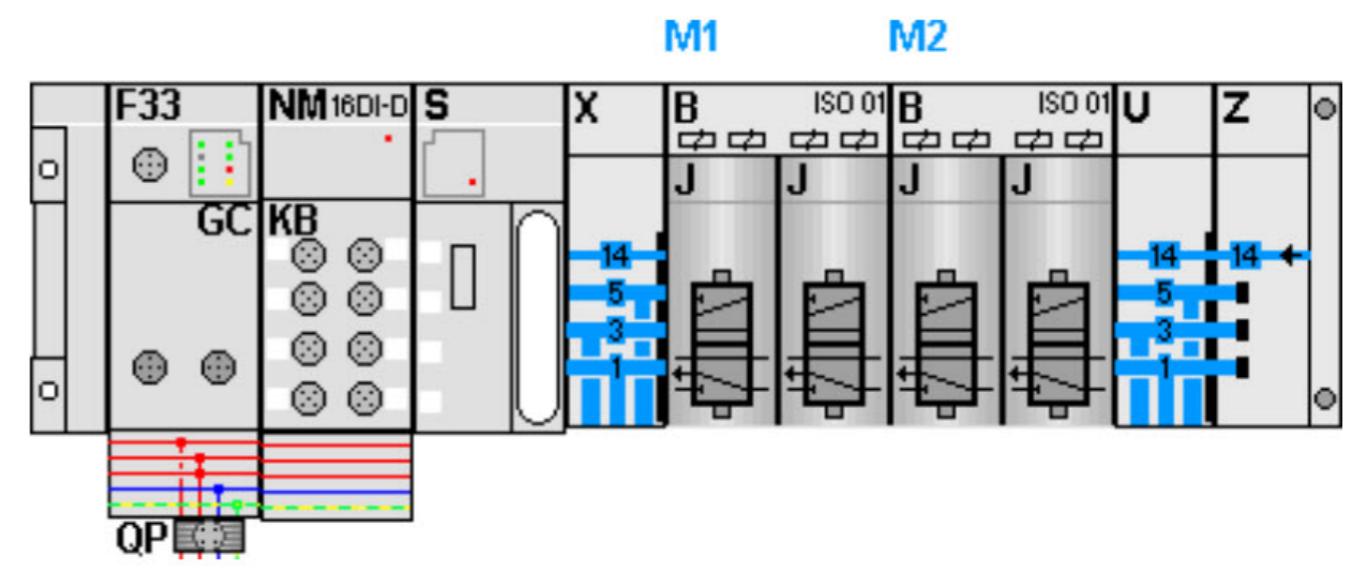
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=V1UQ53UQ6+V1UQ53/1

=V1UQ54KF1+V1UQ54/5

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Modification	Date	Name	Original	Replacement of	Replaced by		Scale 1:1		Document type:	Project nr:	Page
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=V1UQ54+KH1/1.6 / P1 → 1/2"

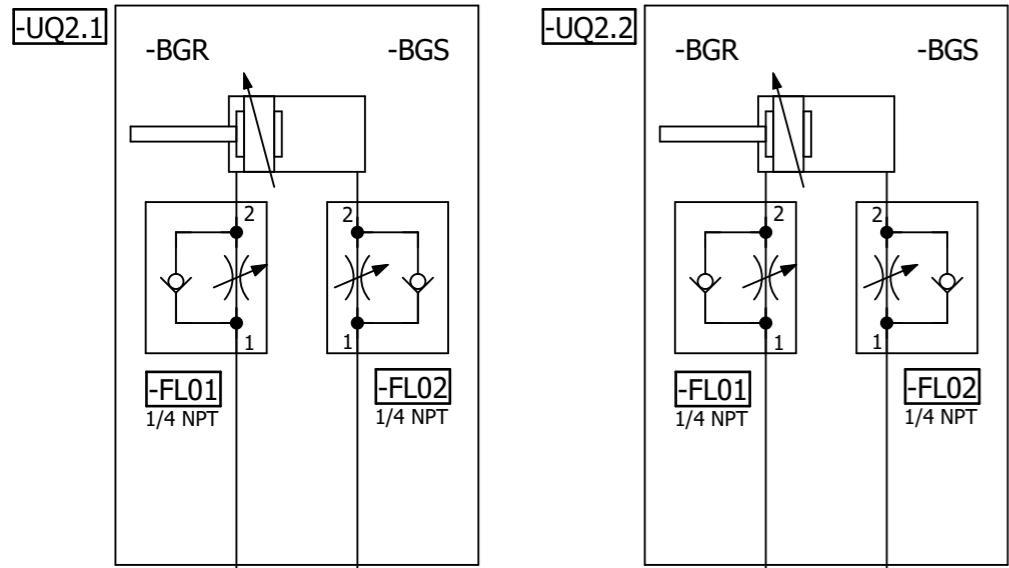
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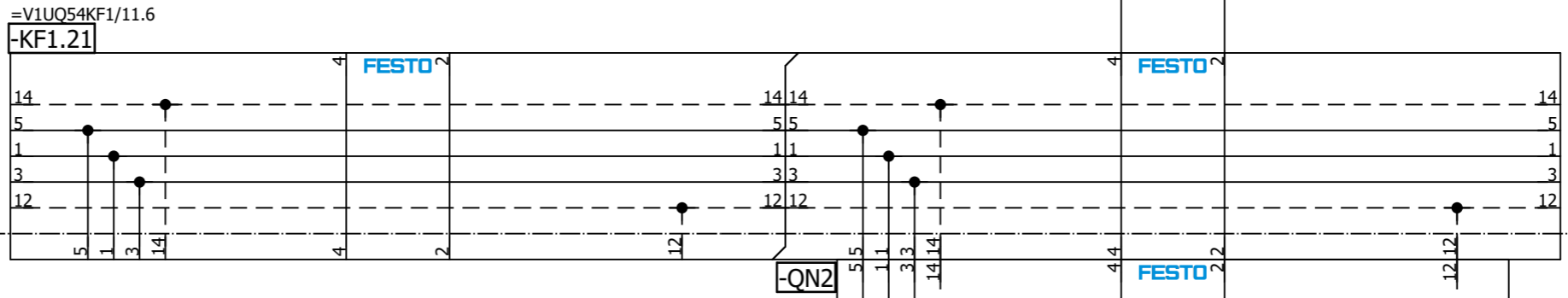
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				=2V04&MFS-PNEU		+ V1UQ54
Appr.			Replacement of		Scale 1:1	Document type:		MFS	Project nr:
Original			Replaced by			Project nr:		22-16151	Page
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=V1UQ54KF1



=V1UQ54  
-UQ2-QN2.1  
L230 Model  
Shot Pins (RST)

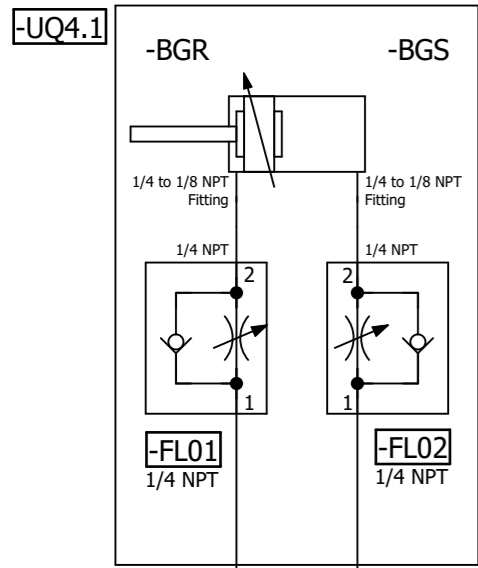
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L230 Model  
Shot Pins (SET)

FES.539156  
VSVA-B-B52-ZD-A1-1T1L

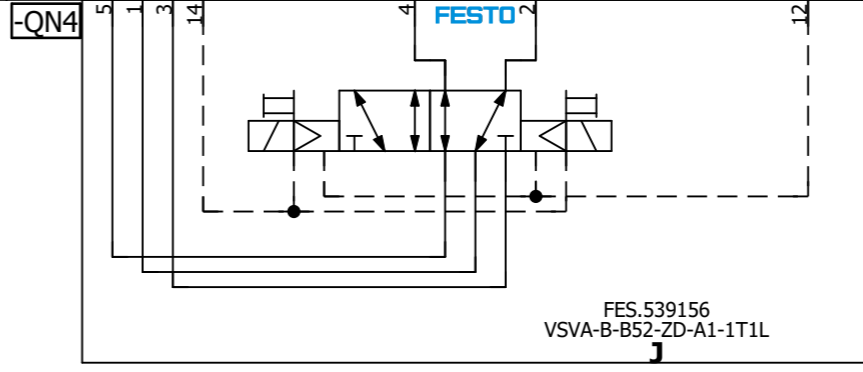
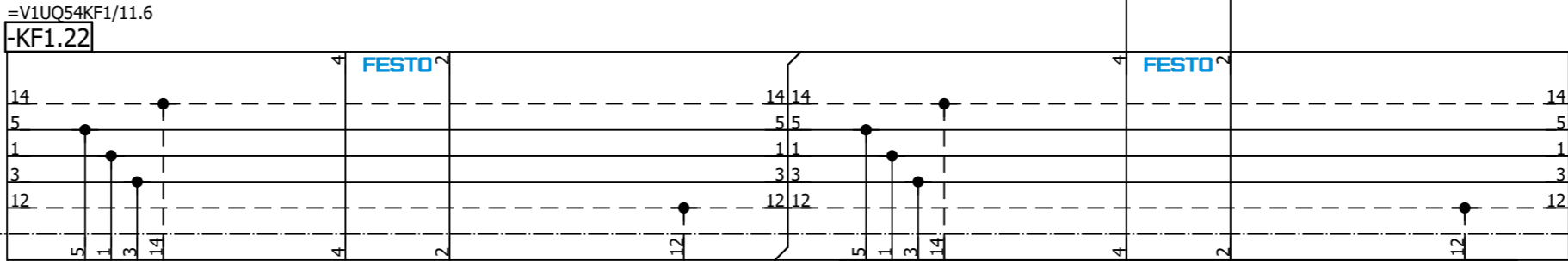
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=V1UQ54UQ3/1





=V1UQ54KF1



=V1UQ54  
-UQ4-QN4.1  
Common  
Shot Pin (RST)

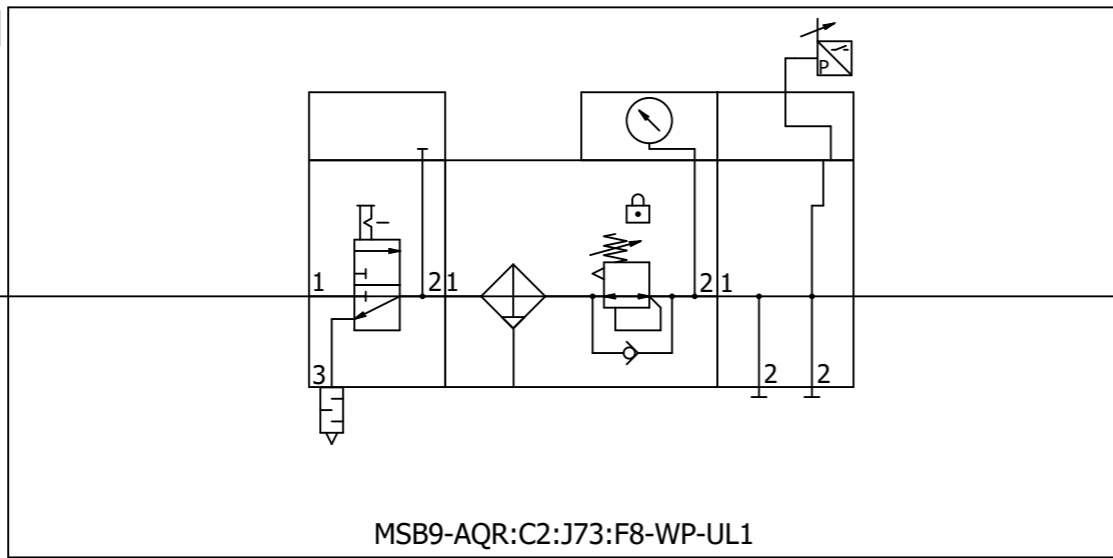
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Common  
Shot Pin (SET)

=V1UQ55+KH1/1

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		Appr		P6700 Underbody Mainline - Cell 2V04	Scale 1:1		Document type:	Project nr:	Page
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A2

=KH0+KH0/1.7 / +V1UQ55KH1-P1 →



1/2"

→ +V1UQ55-P1 / =V1UQ55KF1+V1UQ55/11.0

MSB9-AQR:C2:J73:F8-WP-UL1

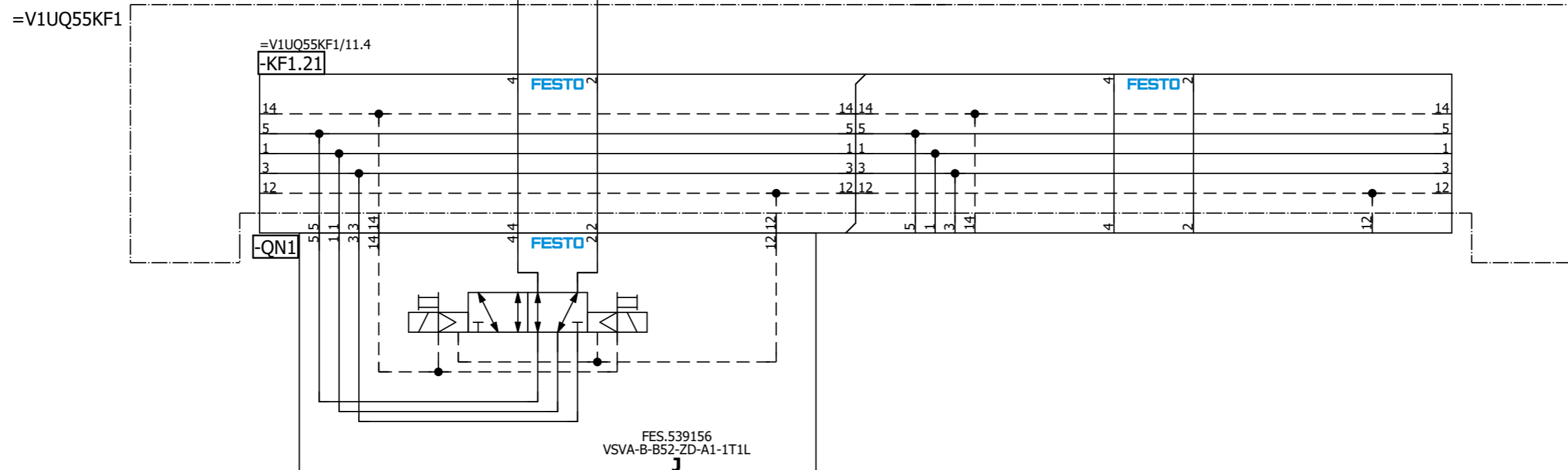
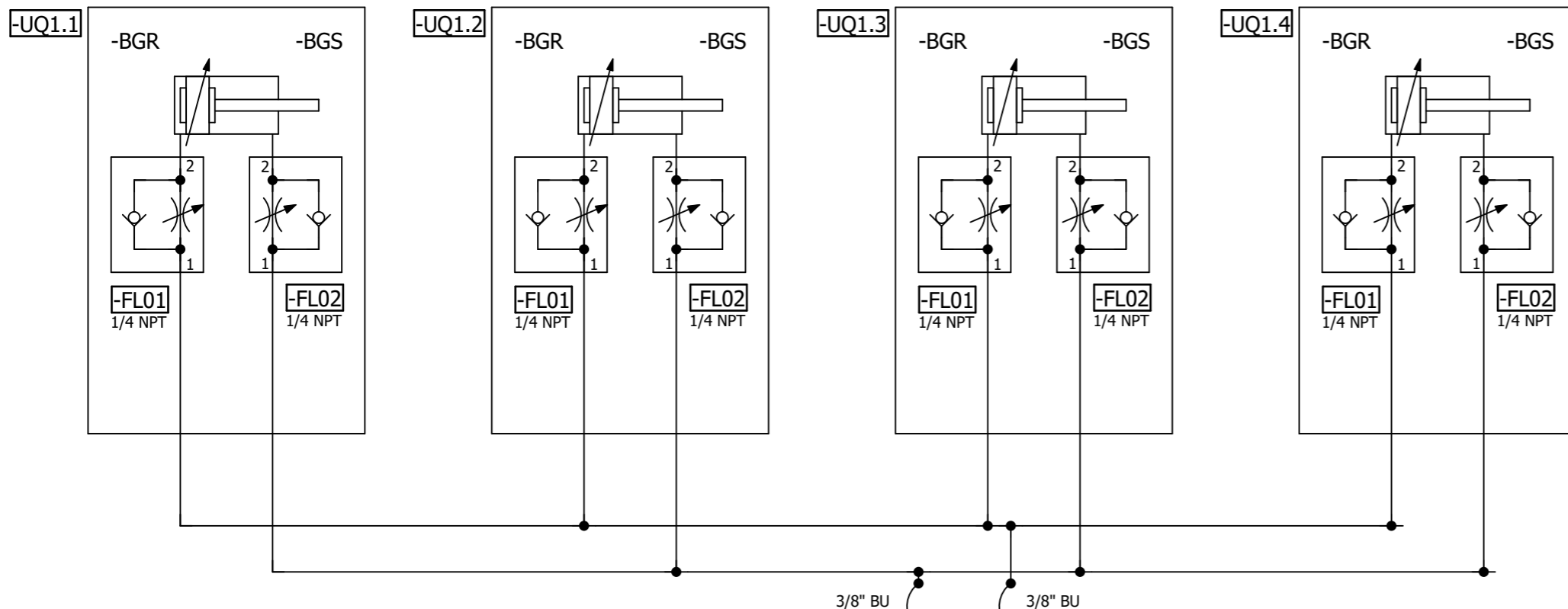
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		Appr.		Replacement of			Scale 1:1	Document type:		Project nr:	Page
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=V1UQ55  
-UQ1-QN1.1  
Common  
Clamps (RST)

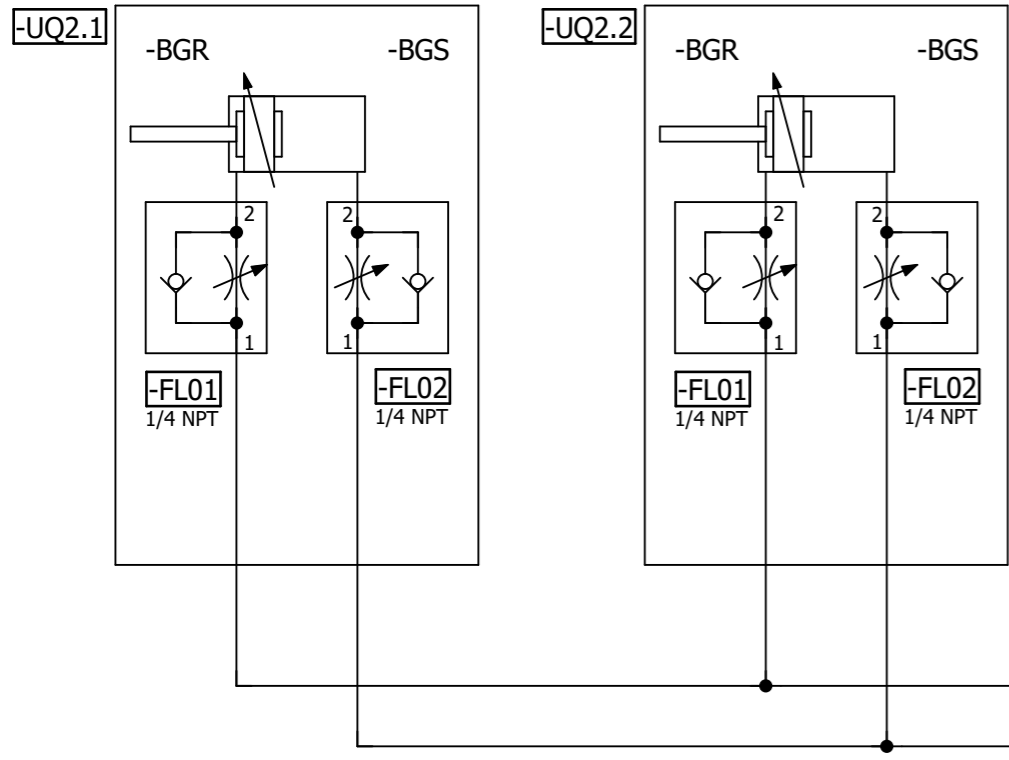
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Common  
Clamps (SET)

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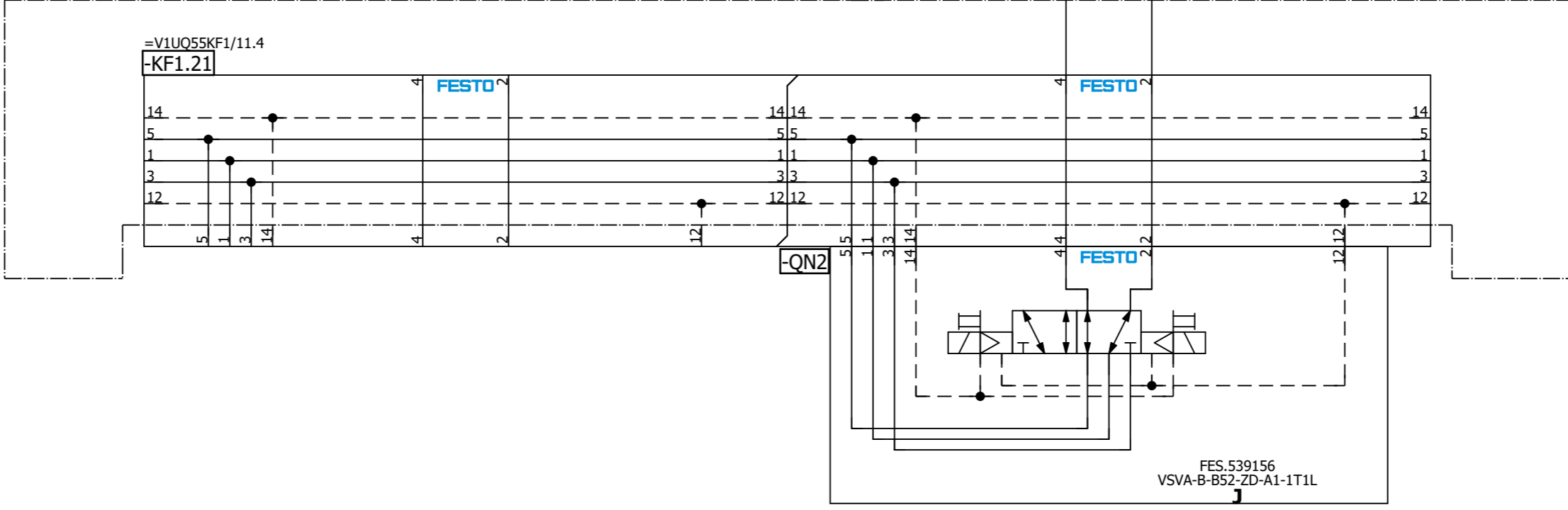
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Ed.: MKLEPADLO		P6700 Underbody Mainline - Cell 2V04		Scale 1:1		Document type: MFS		+ V1UQ55	
Appr.:		Replacement of:		Replaced by:		Project nr: 22-16151		Page 1	
Original:								227	





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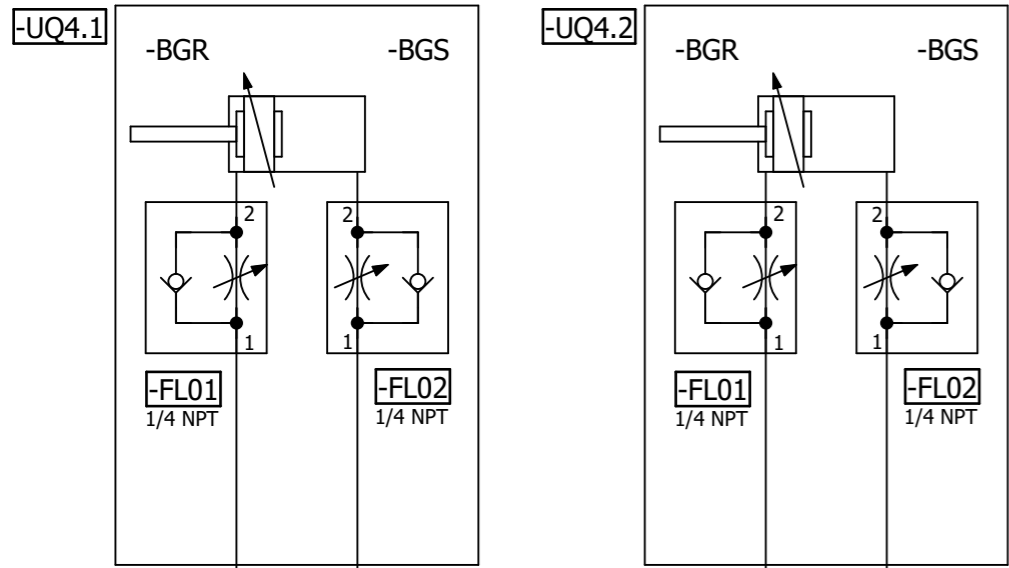
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-UQ2-QN2.1  
L150 Model  
Shot Pins (RST)

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L150 Model  
Shot Pins (SET)

=V1UQ55UQ3/1

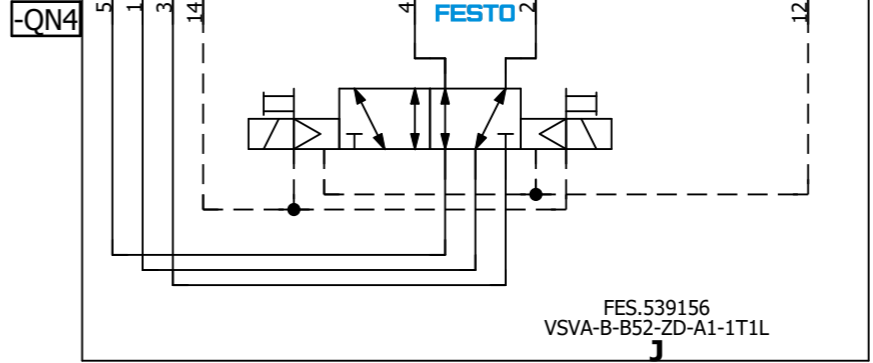
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			Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1		=2V04&MFS-PNEU		Project nr:	22-16151
			Appr.					Replacement of	Replaced by		
Modification	Date	Name	Original								





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-KF1.22

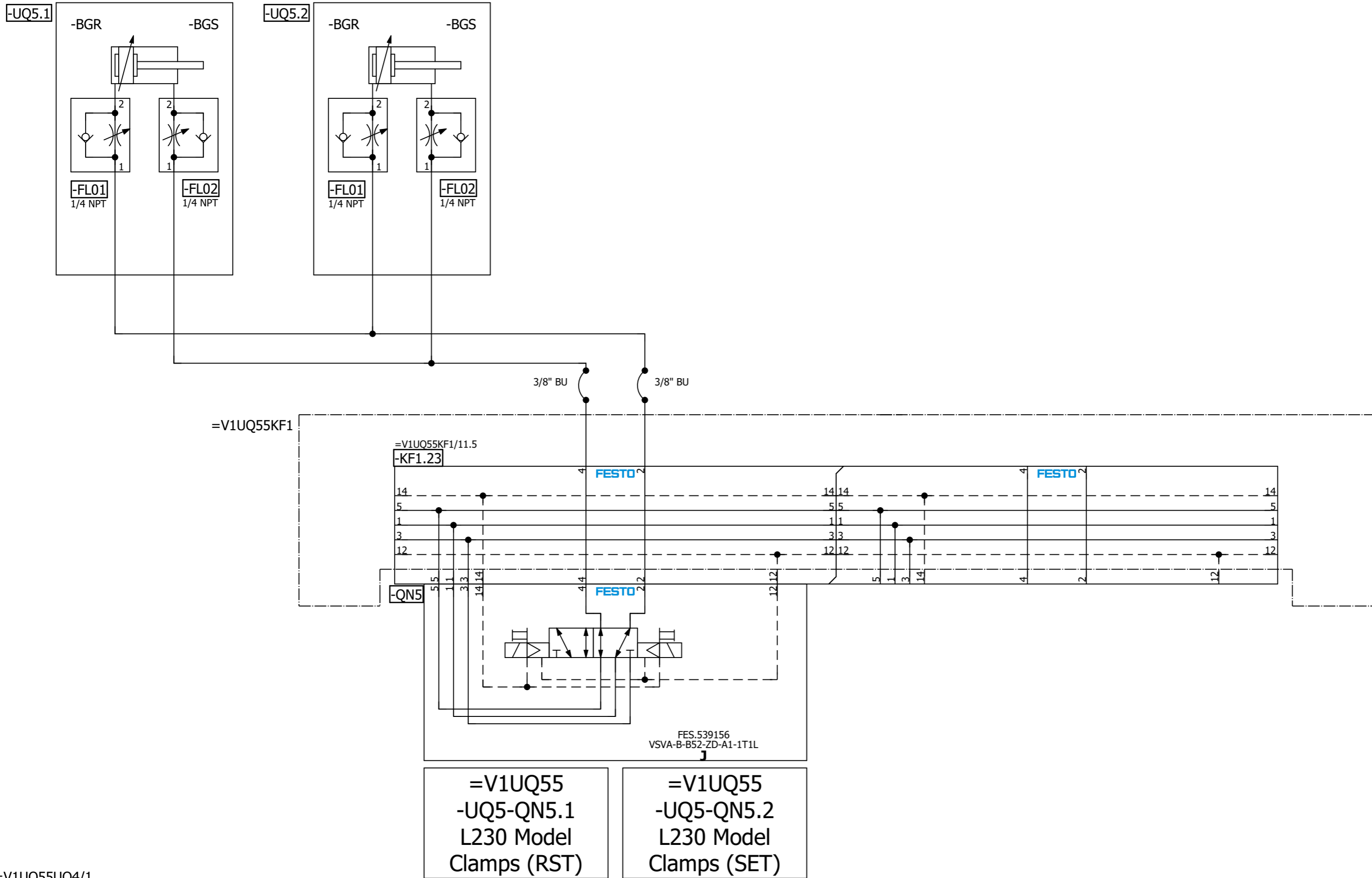


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L230 Model  
Shot Pins (RST)

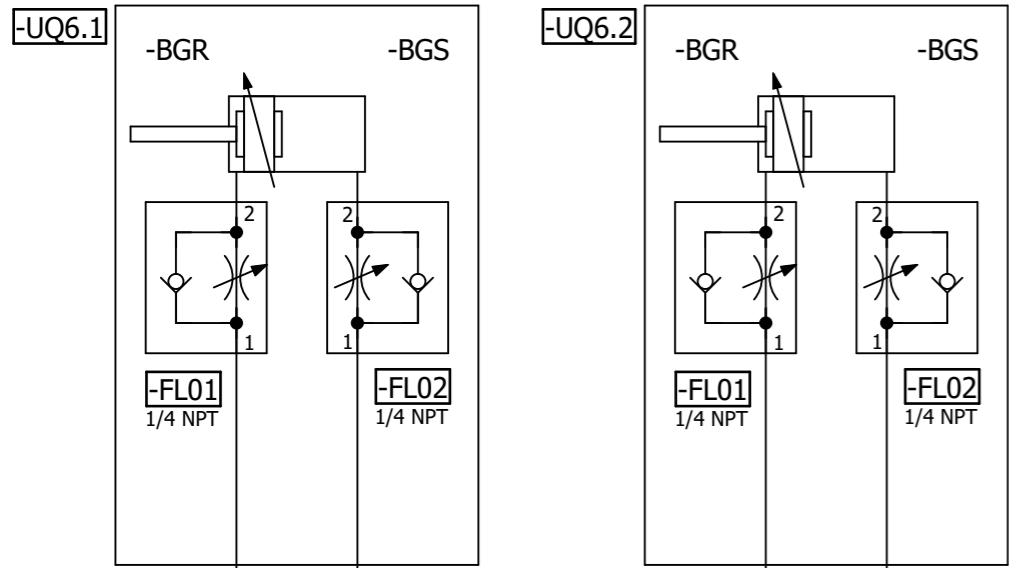
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L230 Model  
Shot Pins (SET)

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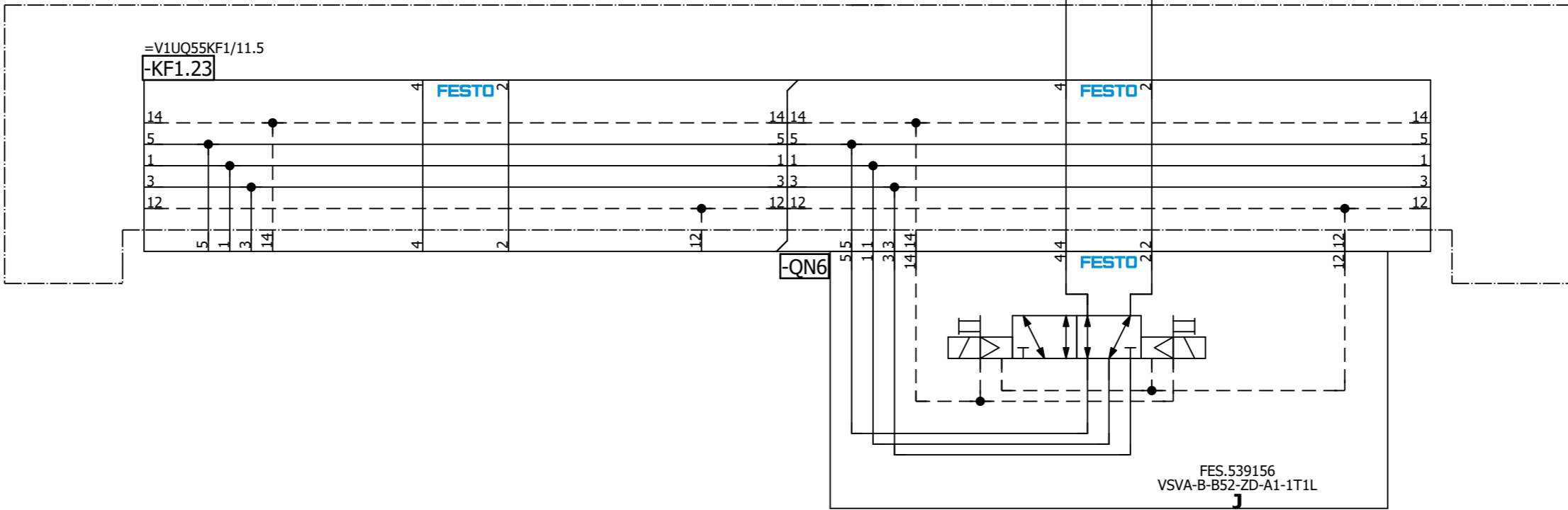
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Appr		Replacement of			Document type: MFS
Original		Replaced by			Project nr: 22-16151
Modification	Date	Name			Page 1 227



=V1UQ55KF1

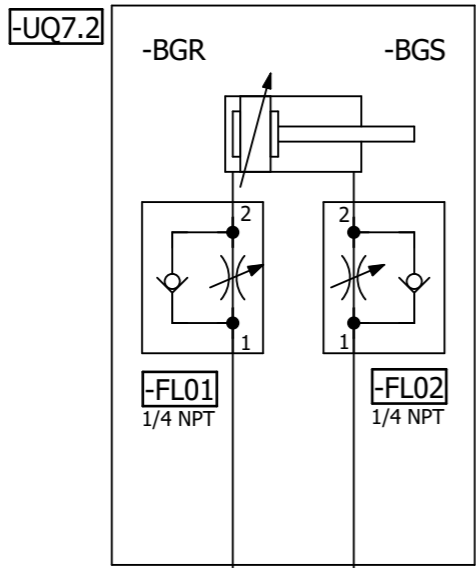
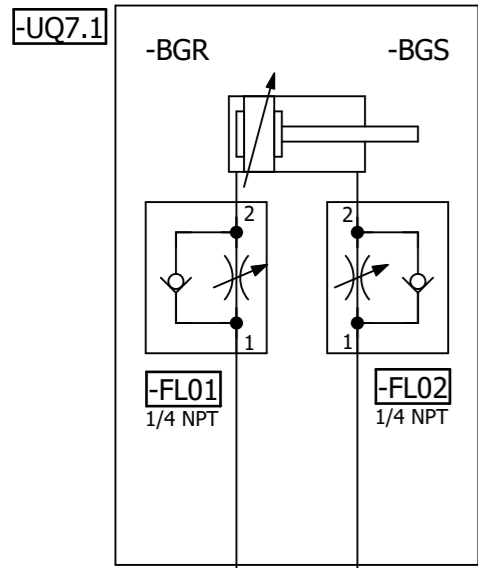


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L290 Model  
Shot Pins (RST)

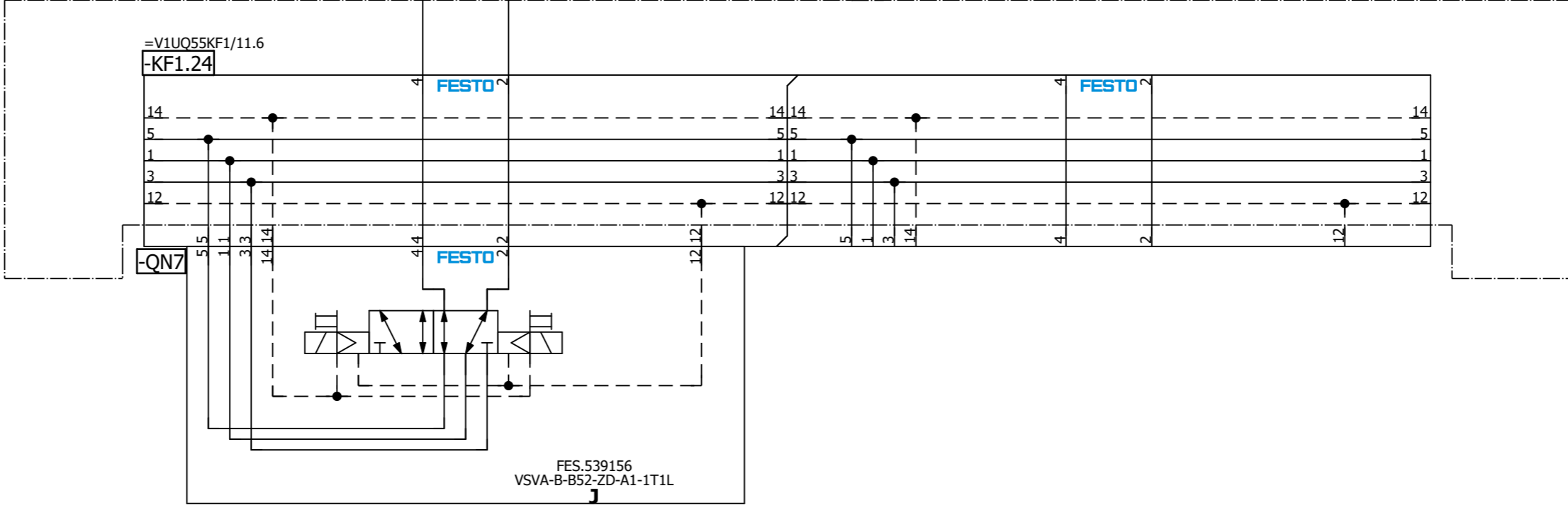
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L290 Model  
Shot Pins (SET)

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=V1UQ55UQ7/1



=V1UQ55KF1



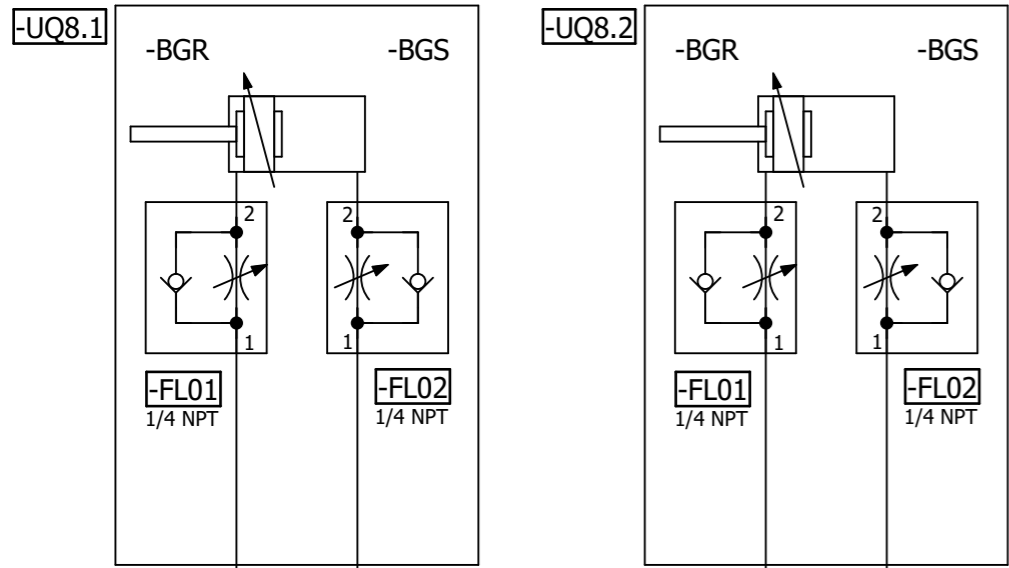
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L290 Model  
Clamps (RST)

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L290 Model  
Clamps (SET)

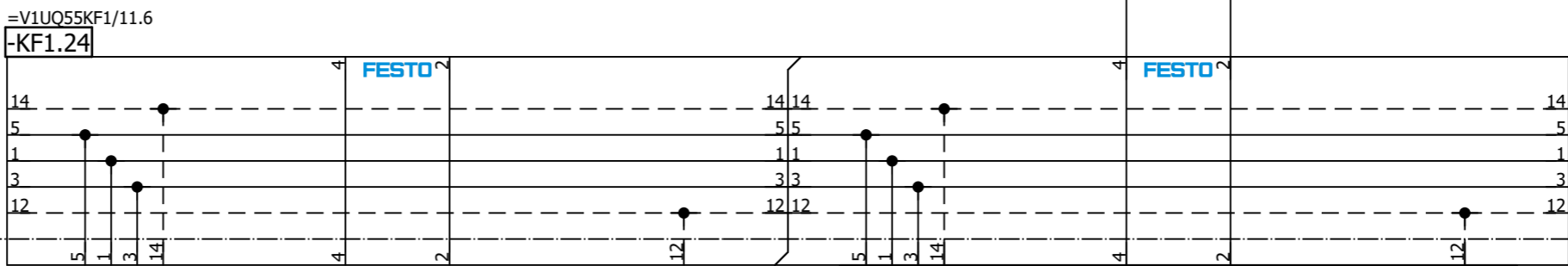
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				Document type:		MFS		
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Original			Replaced by								227

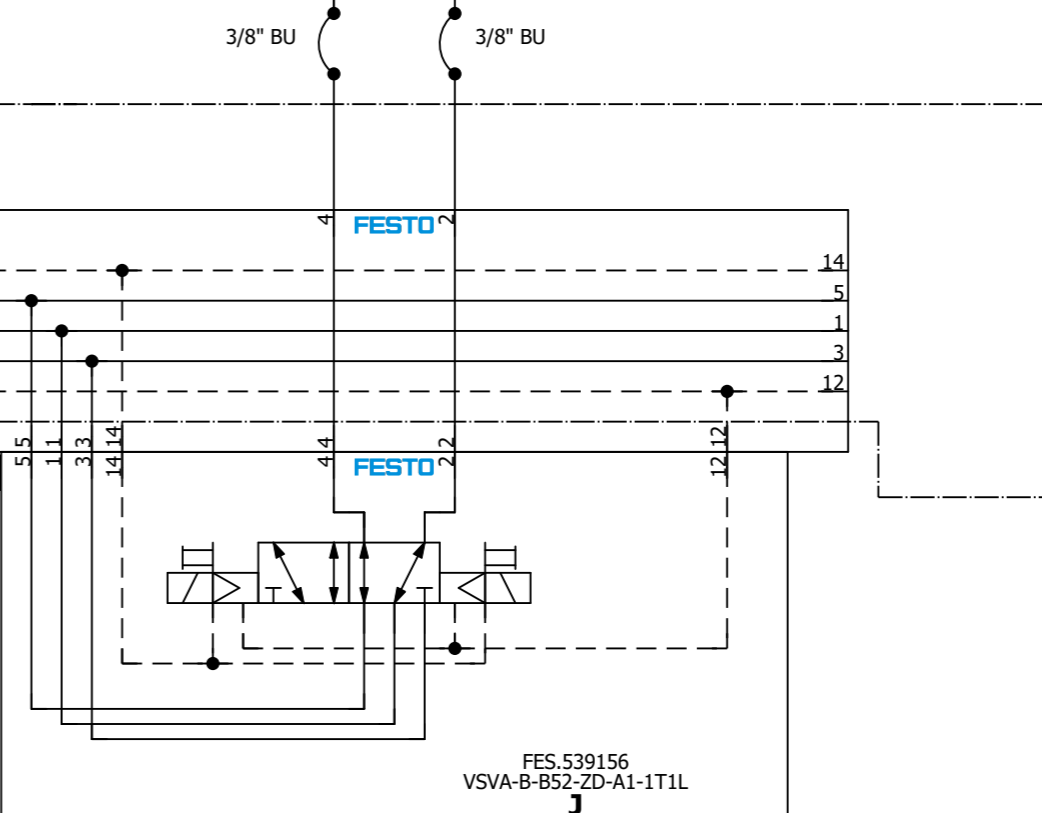


=V1UQ55KF1



-QN8

FESTO



=V1UQ55  
-UQ8-QN8.1  
L320 Model  
Shot Pins (RST)

=V1UQ55  
-UQ8-QN8.2  
L320 Model  
Shot Pins (SET)

=V1UQ55UQ7/1

=V1UQ55UQ9/1

Date		12/21/2022	Volvo Trucks North America		Valiant TMS	L320 Model Shot Pins	Drawing name:		= V1UQ55UQ8
Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				=2V04&MFS-PNEU		+ V1UQ55
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Original			Replaced by				MFS		Project nr:
							22-16151		227

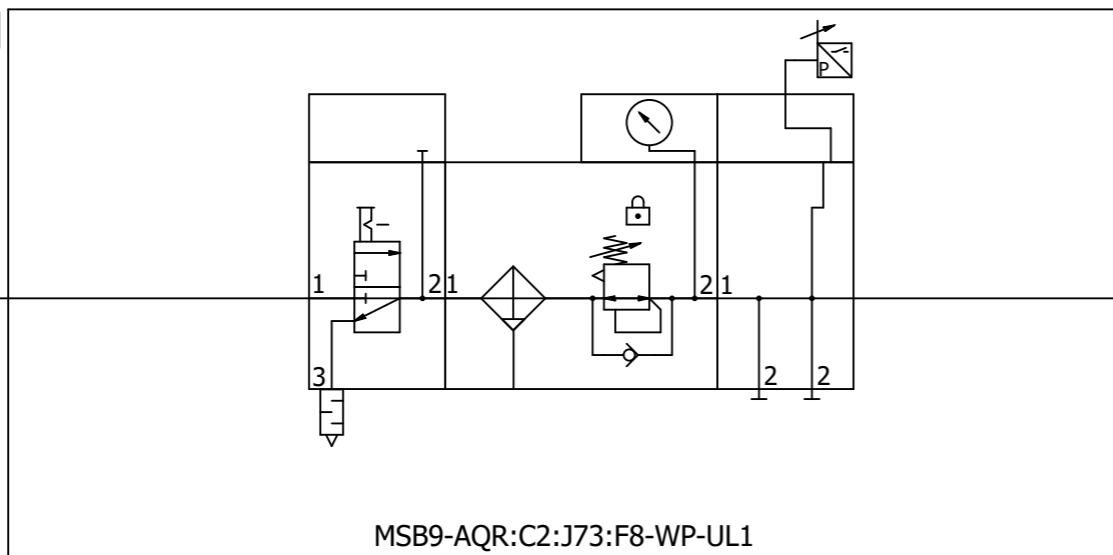






A2

=KH0+KH0/1.7 / +V1WR1KH1-P1




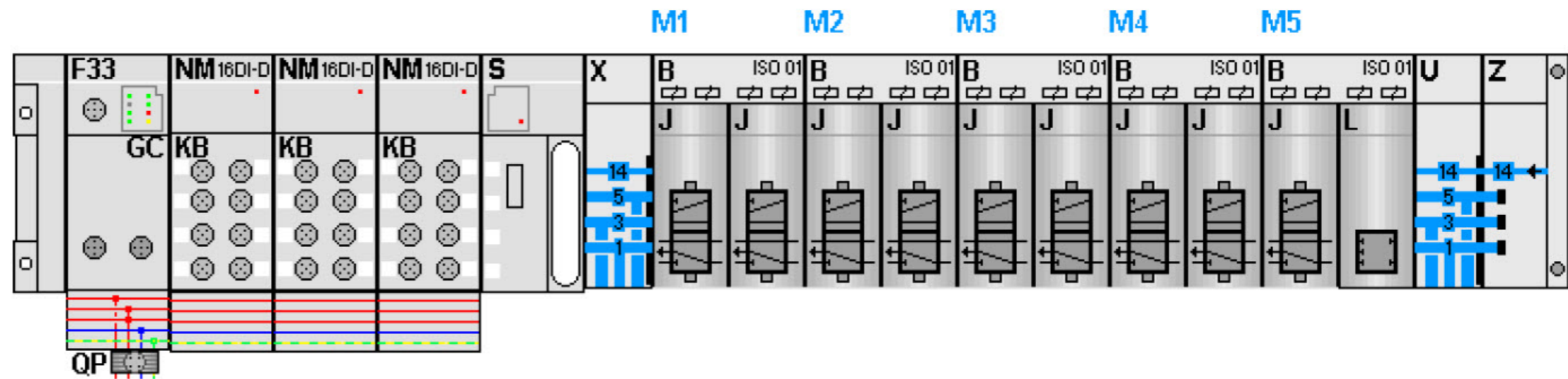
1/2"

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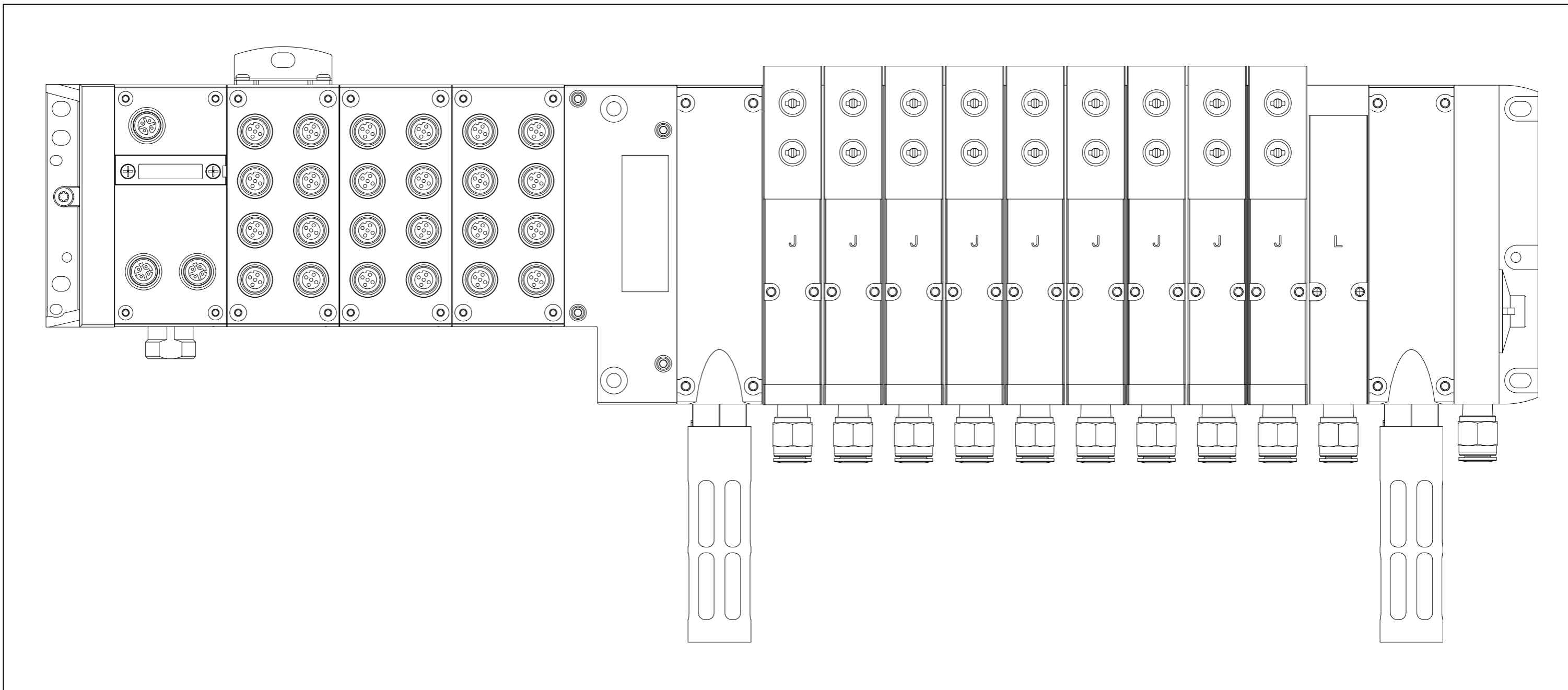
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		Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04						=2V04&MFS-PNEU	
Modification	Date	Name	Original	Replacement of	Replaced by		Scale 1:1		Document type:	Project nr:	Page
									MFS	22-16151	1
											227

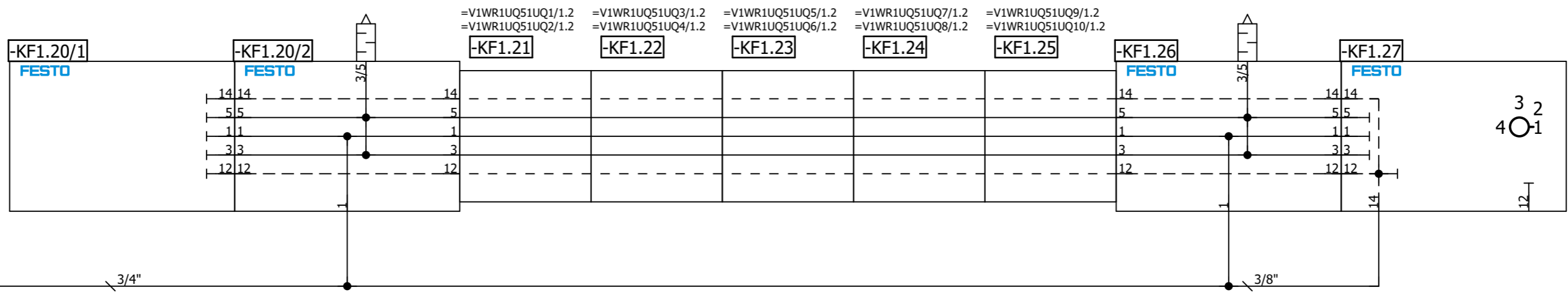
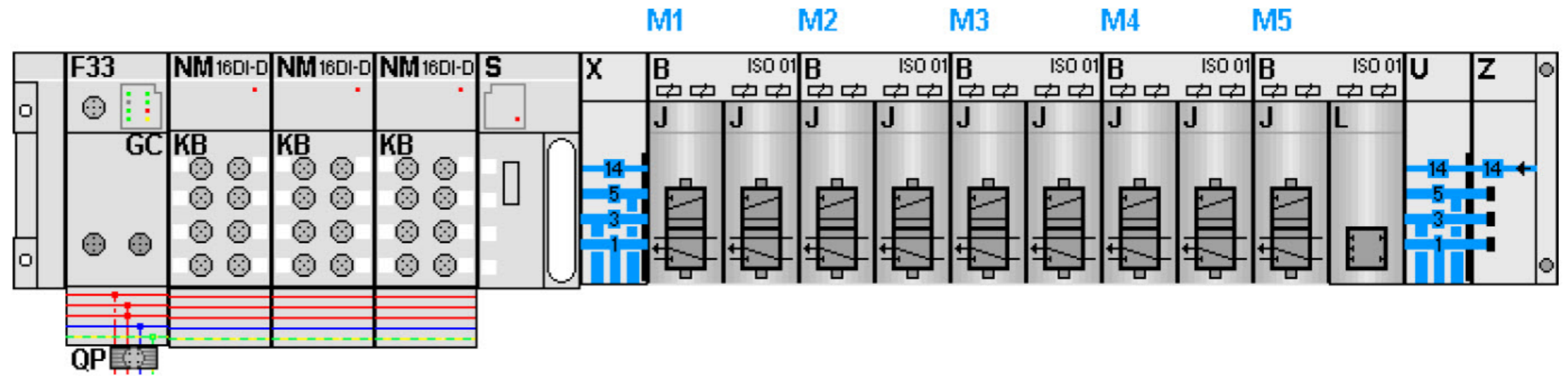


KF1.0



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Date		12/21/2022	Volvo Trucks North America		Valiant TMS	AIR SUPPLY CONFIGURATION	Drawing name:		= V1WR1UQ51KF1	Page	5
Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				=2V04&MFS-PNEU		+ V1WR1UQ51		
Appr			Replacement of		Scale 1:1		Document type:		Project nr:	Page	5
Original			Replaced by				MFS				

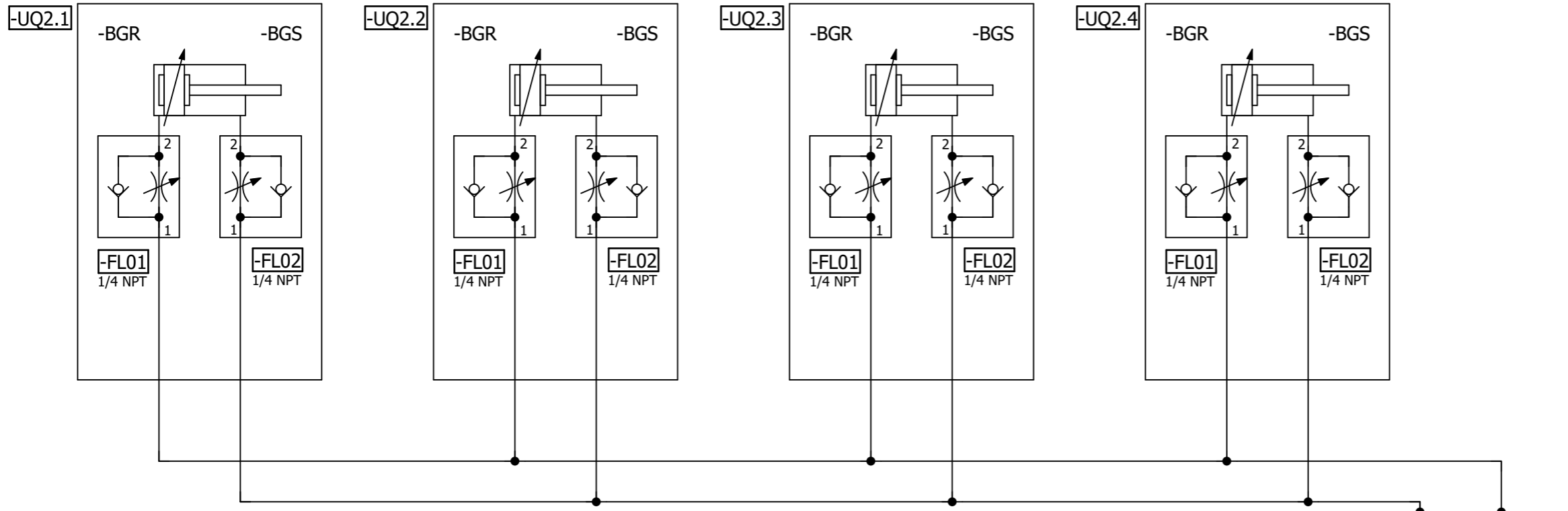


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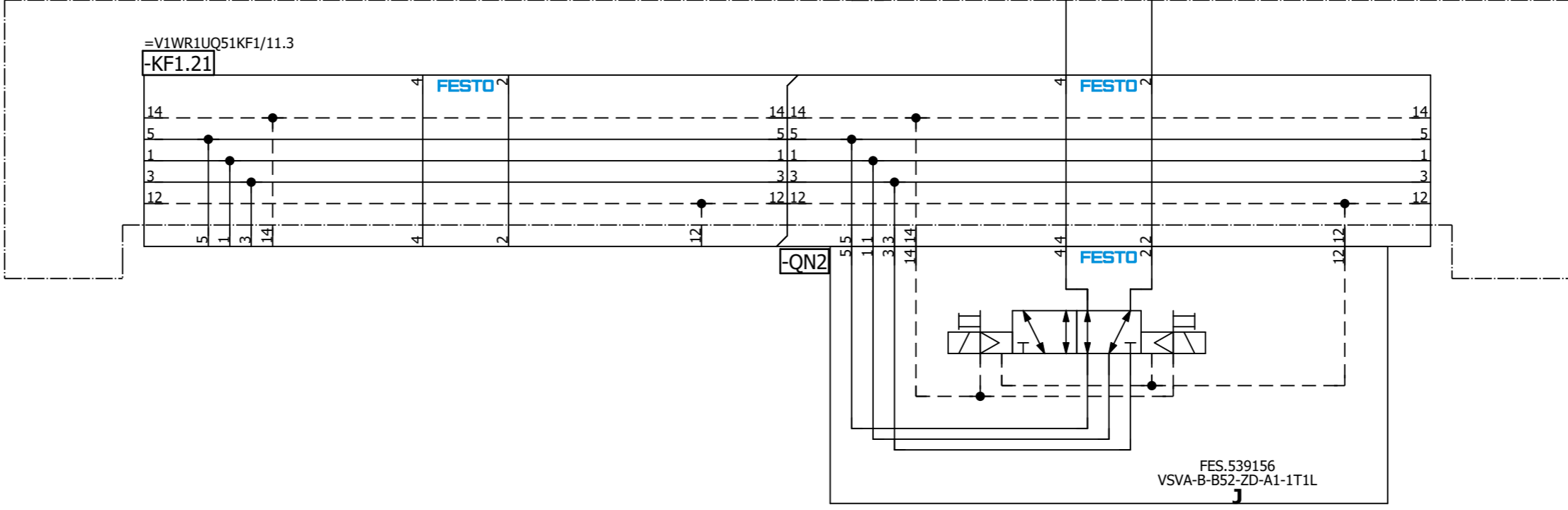
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Appr.			Replacement of		Scale 1:1	Document type:		Project nr:		Page
Original			Replaced by			MFS		22-16151		11
Modification	Date	Name	Original							227

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=V1WR1UQ51KF1



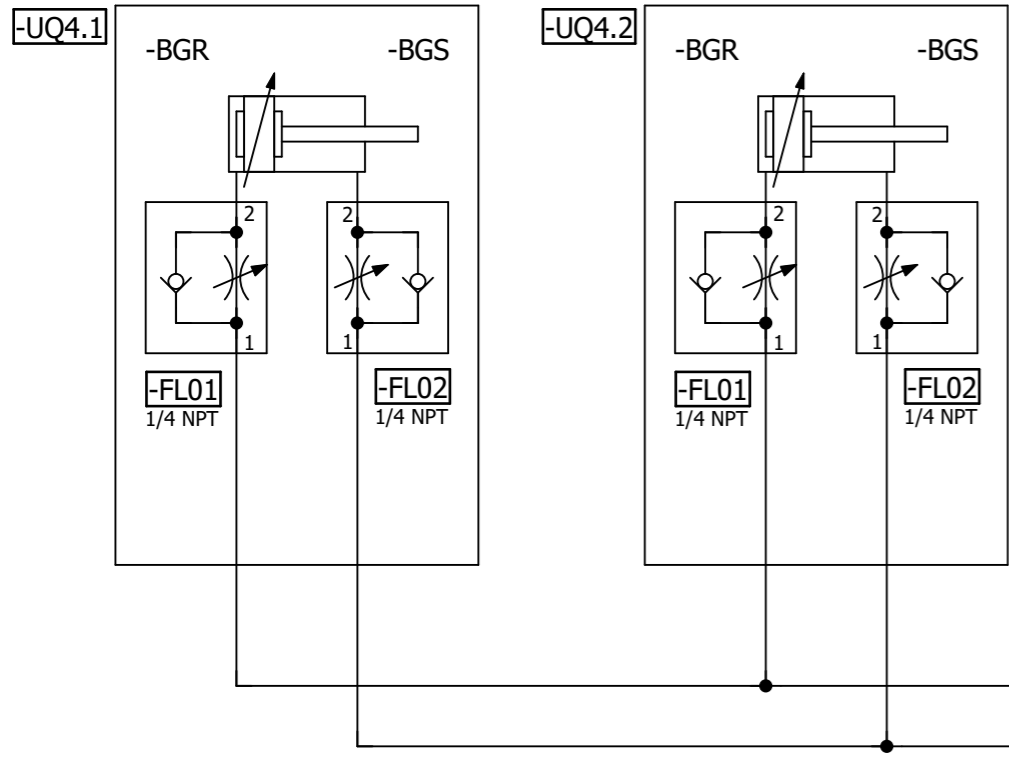
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Common  
Clamps (RST)

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-UQ2-QN2.2  
Common  
Clamps (SET)

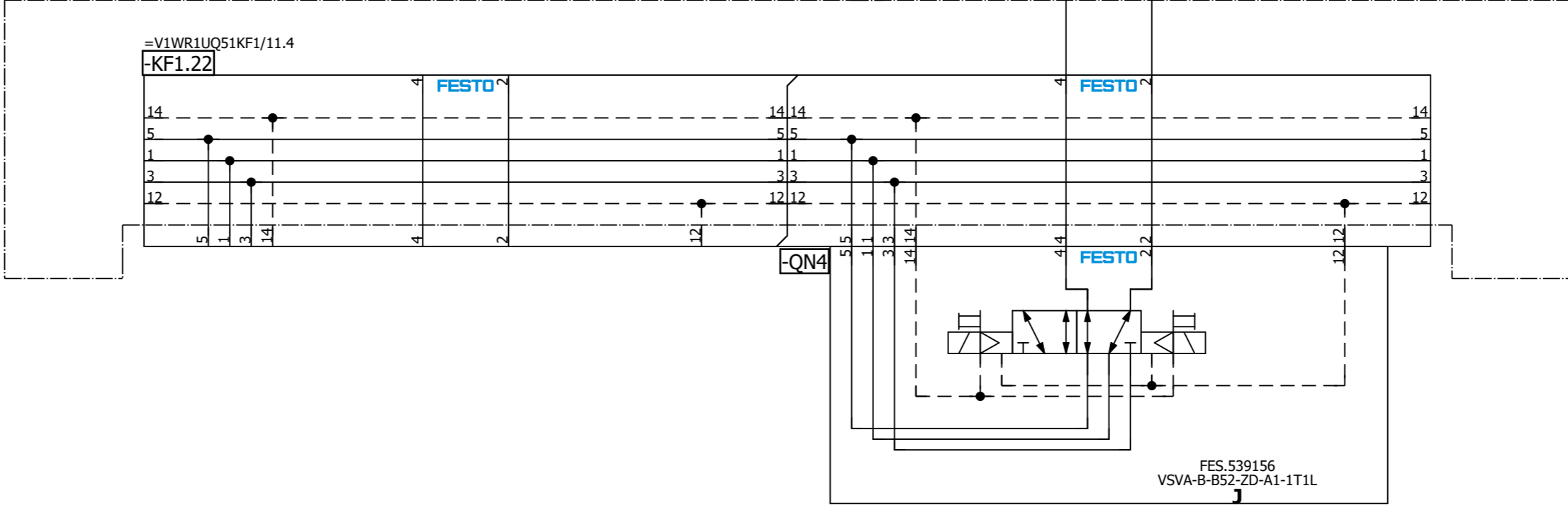
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			Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1		Drawing type:	= 2V04&MFS-PNEU	
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Modification	Date	Name	Original					Project nr:	22-16151	
									Page	1
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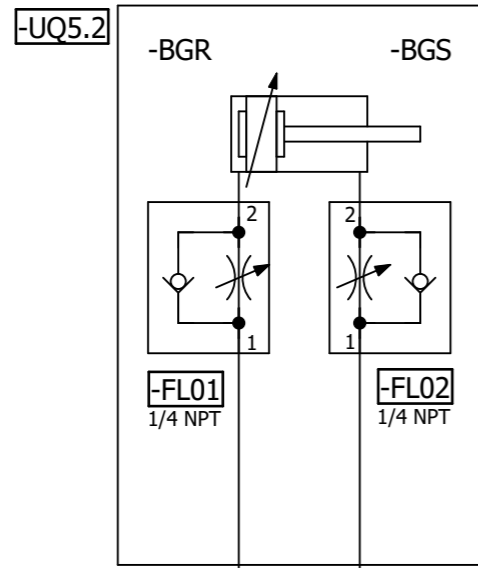
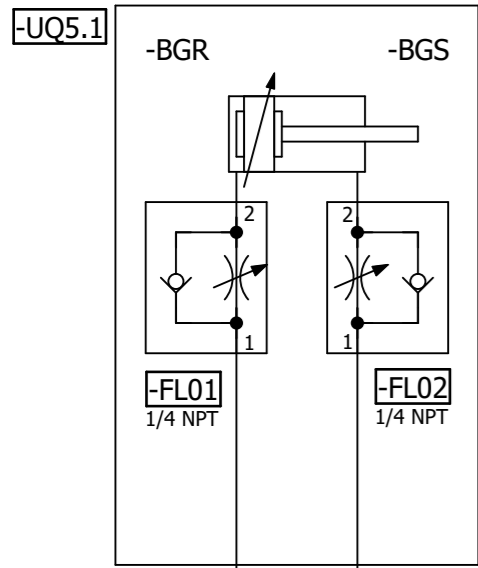
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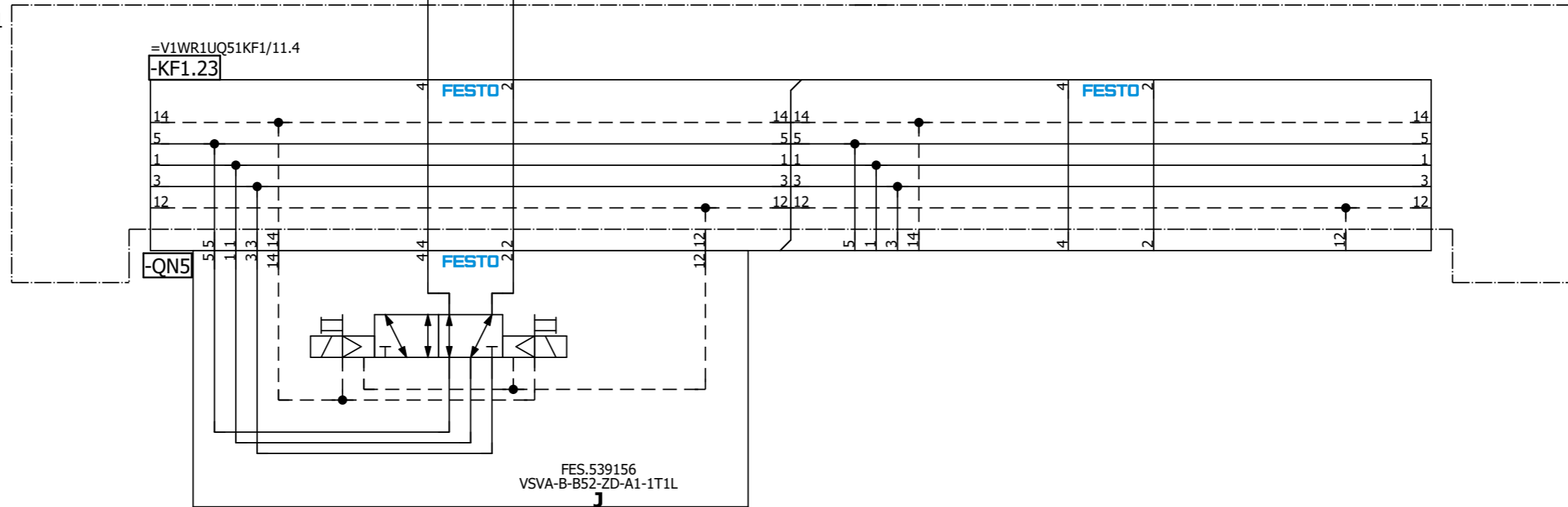
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L230 Model  
Clamps (RST)

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L230 Model  
Clamps (SET)





=V1WR1UQ51KF1



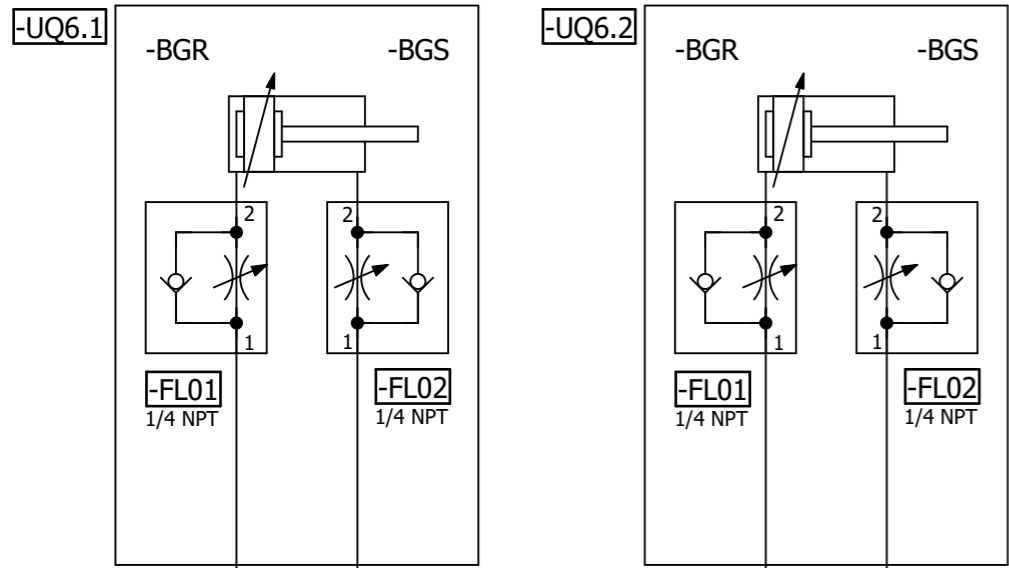
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L290 Model  
Clamps (RST)

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L290 Model  
Clamps (SET)

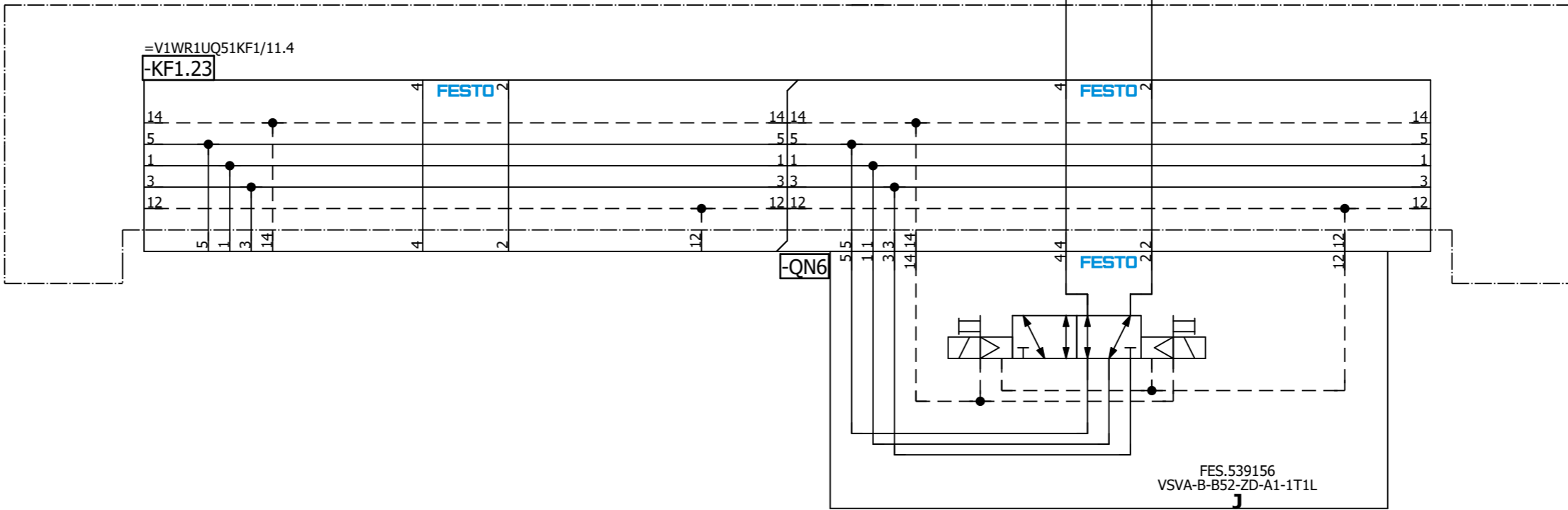
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Ed.		MKLEPADLO	P6700 Underbody Mainline - Cell 2V04				Document type:		MFS
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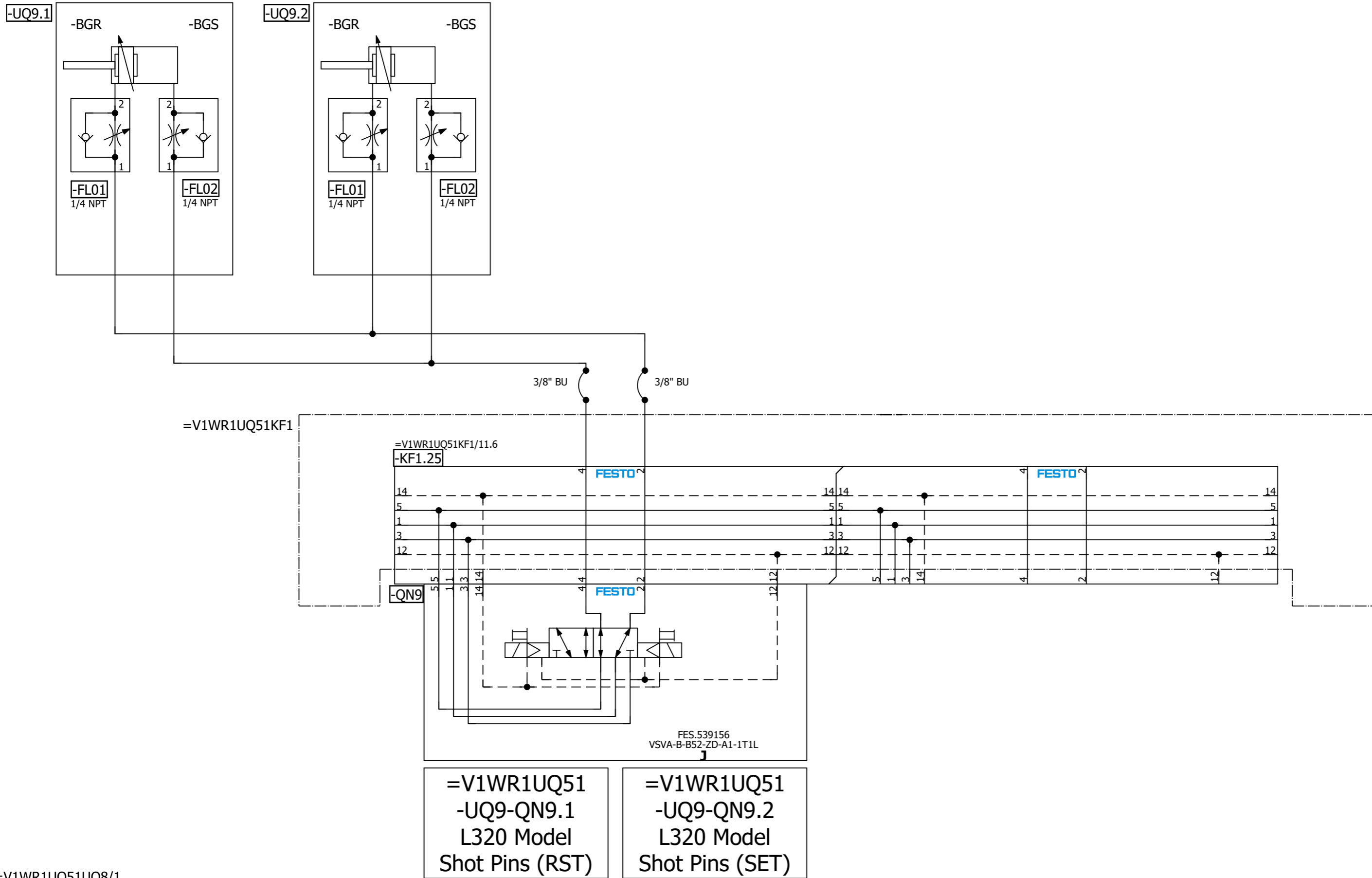


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L320 Model  
Clamps (RST)

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L320 Model  
Clamps (SET)



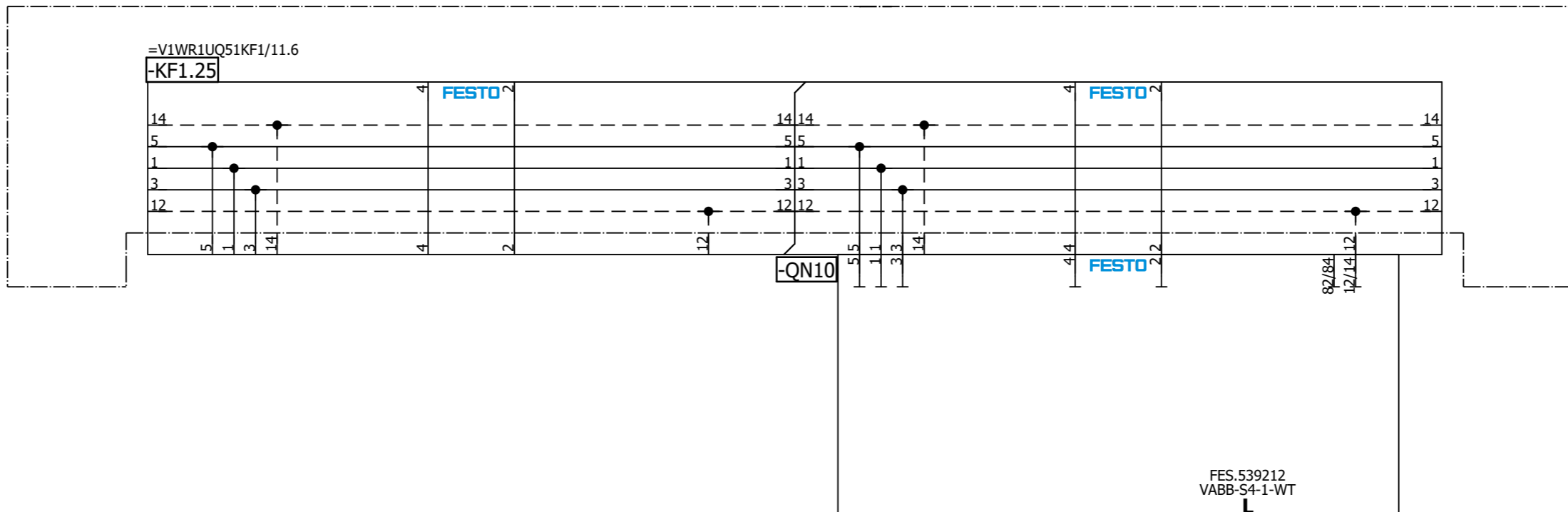




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Appr:		Replacement of		Replaced by		Project nr: 22-16151		Page 1	
Original								227	

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&MPB+KH0/1

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		Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04			=2V04&MFS-PNEU		+ V1WR1UQ51		Page	1
Modification	Date	Name	Original	Replacement of	Replaced by	Scale 1:1	Document type:	MFS	Project nr:	22-16151	Page	1
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# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1AR11UQ41KF1-KF1.0	1	Valve Manifold	51E-F33GCQPNMKBNMKBNMK-B-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J	FES.MBHBHBHBH-8J	FES.51E-F33GCQPNMKBNMKBNMK-B-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J
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=V1AR11UQ41KF1-KF1.22	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF1-KF1.23	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF1-KF1.24	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF2-KF2.0	1	Valve Manifold	51E-F33GCQPNMKBNMKBNMK-B-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J	FES.MBHBHBHBH-8J	FES.51E-F33GCQPNMKBNMKBNMK-B-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J
=V1AR11UQ41KF2-KF2.21	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF2-KF2.22	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF2-KF2.23	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF2-KF2.24	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF3-KF3.0	1	Valve Manifold	51E-F33GCQPNMKBNMKBNMK-B-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J	FES.MBHBHBHBH-8J	FES.51E-F33GCQPNMKBNMKBNMK-B-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J
=V1AR11UQ41KF3-KF3.21	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF3-KF3.22	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF3-KF3.23	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41KF3-KF3.24	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR11UQ41UQ1-QN1	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ2-QN2	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ3-QN3	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ3-UQ3.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ3-UQ3.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-QN4	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-UQ4.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-UQ4.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-UQ4.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-UQ4.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-UQ4.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ4-UQ4.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-QN5	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ5-UQ5.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-UQ5.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-UQ5.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-UQ5.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-UQ5.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-UQ5.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ5-UQ5.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ6-QN6	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ7-QN7	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ8-QN8	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ8-UQ8.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ8-UQ8.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ8-UQ8.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ8-UQ8.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ8-UQ8.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

+KH1/1

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Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1	FES.51E-F33GCQPNMKBNMKBNMK-B-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBH-8J - FES.534663	2V04&MFS-PNEU	+ V1AR11UQ41	
Appr						Document type:	Project nr:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							227


# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1AR11UQ41UQ8-UQ8.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ9-QN9	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ9-UQ9.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ9-UQ9.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ9-UQ9.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ9-UQ9.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ10-QN10	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ10-UQ10.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ10-UQ10.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ10-UQ10.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ10-UQ10.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ11-QN11	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ11-UQ11.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ11-UQ11.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ12-QN12	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ13-QN13	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ14-QN14	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ14-UQ14.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ14-UQ14.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ14-UQ14.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ14-UQ14.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ15-QN15	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ15-UQ15.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ15-UQ15.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ15-UQ15.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ15-UQ15.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ16-QN16	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ16-UQ16.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ16-UQ16.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ16-UQ16.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ16-UQ16.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ17-QN17	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ17-UQ17.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ17-UQ17.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ18-QN18	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ19-QN19	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ20-QN20	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ20-UQ20.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ20-UQ20.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ20-UQ20.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ20-UQ20.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ21-QN21	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ21-UQ21.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ21-UQ21.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ21-UQ21.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ21-UQ21.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ22-QN22	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ22-UQ22.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ22-UQ22.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ23-QN23	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ24-QN24	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR11UQ41UQ24-UQ24.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ24-UQ24.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ24-UQ24.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR11UQ41UQ24-UQ24.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list : FES.534663 - FES.534663	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04		Scale 1:1	=	+ V1AR11UQ41	
Appr					Document type:	Project nr:	Page
Modification	Date	Name	Original	Replaced by	MPB	22-16151	227

# 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-MBHBHBHBHBH-10J	FES.MBHBHBHBHBH-10J	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBHBH-10J
=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
=V1AR12UQ41KF1-KF1.25	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR12UQ41UQ1-QN1	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ2-QN2	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ3-QN3	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ4-QN4	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=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-3/8-U		FES.534663
=V1AR12UQ41UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ5-UQ5.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ5-UQ5.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=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-3/8-U		FES.534663
=V1AR12UQ41UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ6-UQ6.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ6-UQ6.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=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-3/8-U		FES.534663
=V1AR12UQ41UQ7-UQ7.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ7-UQ7.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ7-UQ7.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ8-QN8	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ8-UQ8.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ8-UQ8.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ9-QN9	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR12UQ41UQ9-UQ9.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ9-UQ9.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ9-UQ9.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ9-UQ9.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR12UQ41UQ10-QN10	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953

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+ .AR13UQ41/1

Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBHBH-10J - FES.537953	F2V04&MFS-PNEU	+ V1AR12UQ41	
Appr							Document type:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							227







# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1AR14UQ41KF1-KF1.0	1	Valve Manifold	51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBHBH-10J	FES.MBHBHBHBHBH-10J	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBHBH-10J
=V1AR14UQ41KF1-KF1.21	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR14UQ41KF1-KF1.22	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR14UQ41KF1-KF1.23	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR14UQ41KF1-KF1.24	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR14UQ41KF1-KF1.25	0	Subbase	VMPA2-FB-AP-2-1		FES.538000
=V1AR14UQ41UQ1-QN1	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ1-UQ1.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ1-UQ1.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ2-QN2	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ3-QN3	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ4-QN4	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ5-QN5	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ6-QN6	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ6-UQ6.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ6-UQ6.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ7-QN7	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ7-UQ7.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ7-UQ7.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ7-UQ7.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ7-UQ7.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ8-QN8	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ8-UQ8.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ8-UQ8.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ9-QN9	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ9-UQ9.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ9-UQ9.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ9-UQ9.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ9-UQ9.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ10-QN10	0	Solenoid valve	VMPA2-M1H-J-PI		FES.537953
=V1AR14UQ41UQ10-UQ10.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ10-UQ10.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ10-UQ10.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1AR14UQ41UQ10-UQ10.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

+ .AR13UQ41/1

+ .AR15UQ41/1

Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBHBH-10J - FES.534663	FES.51E-F33GCQPNMKBNMKBNMKB-D-UL1+GS2GZBA & 32P-TJQ-R-MBHBHBHBHBH-10J	+ V1AR14UQ41	
Appr							Document type:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							227










# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1GL13UQ51KF1-KF1.0	1	Valve Manifold	51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-3BU-5JL	FES	FES.51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-3BU-5JL
=V1GL13UQ51KF1-KF1.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GL13UQ51KF1-KF1.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GL13UQ51KF1-KF1.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1GL13UQ51UQ1-QN1	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1GL13UQ51UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ2-QN2	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1GL13UQ51UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ3-QN3	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1GL13UQ51UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ4-QN4	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1GL13UQ51UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ8-QN5	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1GL13UQ51UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1GL13UQ51UQx-QN6	0	Blanking plate	VABB-S4-1-WT		FES.539212

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+ .UQ51/1

Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04		FES.51E-F33GCQPNMKBNMKBNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-3BU-5JL - FES.539212	+ V1GL13UQ51		
Appr				Scale 1:1	MPB	Project nr:	22-16151
Modification	Date	Name	Original	Replaced by			1
							227


# Parts list

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Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1UQ51KF1-KF1.0	1	Valve Manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-4JE3J	FES	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-4JE3J
=V1UQ51KF1-KF1.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF1-KF1.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF1-KF1.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF1-KF1.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF2-KF2.0	1	Valve Manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8J	FES	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-8J
=V1UQ51KF2-KF2.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF2-KF2.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF2-KF2.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF2-KF2.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF3-KF3.0	1	Valve Manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6J	FES	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-EE6J
=V1UQ51KF3-KF3.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF3-KF3.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF3-KF3.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51KF3-KF3.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ51UQ1-QN1	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ1-UQ1.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ1-UQ1.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ2-QN2	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ3-QN3	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ3-UQ3.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ3-UQ3.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ4-QN4	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ4-UQ4.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ4-UQ4.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ5-QN5	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L	FES	FES.539161
=V1UQ51UQ5-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1UQ51UQ5-QN101	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1UQ51UQ5-UQ5.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ5-UQ5.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ5-UQ5.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ6-QN6	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ6-UQ6.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ6-UQ6.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-QN7	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ7-UQ7.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.5-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.5-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04		FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-4BU-4JE3J - FES.534663	= 2V04&MFS-PNEU	+ V1UQ51	
Appr							Document type:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							227


# Parts list

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Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1UQ51UQ7-UQ7.6-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.6-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.7-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ7-UQ7.7-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ8-QN8	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ8-UQ8.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ8-UQ8.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-QN9	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ9-UQ9.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-UQ9.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-UQ9.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-UQ9.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-UQ9.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-UQ9.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-UQ9.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ9-UQ9.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ10-QN10	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ10-UQ10.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ10-UQ10.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ10-UQ10.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ10-UQ10.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ11-QN11	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ11-UQ11.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ11-UQ11.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ12-QN12	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
=V1UQ51UQ13-QN3	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
=V1UQ51UQ14-QN14	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ14-UQ14.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ14-UQ14.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ14-UQ14.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ14-UQ14.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ15-QN15	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-QN16	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
=V1UQ51UQ17-QN17	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L	FES	FES.539161
=V1UQ51UQ17-QN100	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-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ17-UQ17.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ18-QN18	0	Solenoid valve	VSVA-B-P53E-ZD-A1-1T1L	FES	FES.539161
=V1UQ51UQ18-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=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-QN19	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

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Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list : FES.534663 - FES.534663	Drawing name:	=		
Ed.	MKLEPADLO	 P6700 Underbody Mainline - Cell 2V04	Scale 1:1		=2V04&MFS-PNEU	+ V1UQ51		
Appr					Document type:	Project nr:	Page	2
Modification	Date	Name	Original	Replacement of	Replaced by	MPB	22-16151	227

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# Parts list

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Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1UQ51UQ19-UQ19.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ19-UQ19.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ20-QN20	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
=V1UQ51UQ20-UQ20.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ20-UQ20.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ21-QN21	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
=V1UQ51UQ21-UQ21.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ21-UQ21.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-QN22	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
=V1UQ51UQ22-UQ22.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-UQ22.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-UQ22.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ22-UQ22.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ23-QN23	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
=V1UQ51UQ24-QN24	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ51UQ24-UQ24.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ51UQ24-UQ24.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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+ .UQ52/1

Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list : FES.534663 - FES.534663	Drawing name:	=
Ed.	MKLEPADLO				=2V04&MFS-PNEU	+ V1UQ51
Appr		P6700 Underbody Mainline - Cell 2V04			Document type:	Project nr:
Original		Replacement of	Replaced by	Scale 1:1	MPB	22-16151
Modification	Date	Name				Page 3
						227







# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1UQ53KF1-KF1.0	1	Valve Manifold	51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-3BU-4JSAJ	FES	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-3BU-4JSAJ
=V1UQ53KF1-KF1.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ53KF1-KF1.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ53KF1-KF1.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ53UQ1-QN1	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ53UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ1-UQ1.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ1-UQ1.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ1-UQ1.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ1-UQ1.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ1-UQ1.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ1-UQ1.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ2-QN2	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ53UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ2-UQ2.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ2-UQ2.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ3-QN3	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ53UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ4-QN4	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ53UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ4-UQ4.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ4-UQ4.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ5-QN5	0	Solenoid valve	VSVA-B-P53ED-ZD-A1-1T1L		FES.560727
=V1UQ53UQ5-QN100	1	3/8" DUAL PO CHECK VALVE, IN-LINE W/MANUAL TRAPPED AIR RELIEF	2768D3904	ROSS CONTROLS	2768D3904
=V1UQ53UQ5-UQ5.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ6-QN6	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ53UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ53UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663

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+ .UQ54/1

Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=		
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1	FES.51E-F33GCQPNMKBNMKB-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-3BU-4JSAJ - FES.534663	=2V04&MFS-PNEU	+ V1UQ53		
Appr							Document type:	Project nr:
Modification	Date	Name	Original	Replacement of	Replaced by	MPB	22-16151	1
								227





# Parts list

F01\_001

Device tag	Quantity	Designation	Type number	Supplier	Part number
=V1UQ55KF1-KF1.0	1	Valve Manifold	51E-F33GCQPNMKBNMKBNMK-B-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-5BU-9JL	FES	FES.51E-F33GCQPNMKBNMKBNMK-B-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-5BU-9JL
=V1UQ55KF1-KF1.21	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ55KF1-KF1.22	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ55KF1-KF1.23	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ55KF1-KF1.24	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ55KF1-KF1.25	0	Manifold subbase	VABV-S4-1HS-N14-2T2		FES.546213
=V1UQ55UQ1-QN1	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ1-UQ1.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ1-UQ1.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ1-UQ1.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ1-UQ1.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ1-UQ1.3-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ1-UQ1.3-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ1-UQ1.4-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ1-UQ1.4-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ2-QN2	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ2-UQ2.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ2-UQ2.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ2-UQ2.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ2-UQ2.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ3-QN3	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ3-UQ3.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ3-UQ3.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ3-UQ3.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ3-UQ3.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ4-QN4	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ4-UQ4.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ4-UQ4.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ4-UQ4.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ4-UQ4.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ5-QN5	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ5-UQ5.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ5-UQ5.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ5-UQ5.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ5-UQ5.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ6-QN6	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ6-UQ6.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ6-UQ6.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ6-UQ6.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ6-UQ6.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ7-QN7	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ7-UQ7.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ7-UQ7.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ7-UQ7.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ7-UQ7.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ8-QN8	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ8-UQ8.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ8-UQ8.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ8-UQ8.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ8-UQ8.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ9-QN9	0	Solenoid valve	VSVA-B-B52-ZD-A1-1T1L	FES	FES.539156
=V1UQ55UQ9-UQ9.1-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ9-UQ9.1-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ9-UQ9.2-FL01	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ9-UQ9.2-FL02	1	One-way flow control valve	GRLA-1/4-QB-3/8-U		FES.534663
=V1UQ55UQ10-QN10	0	Blanking plate	VABB-S4-1-WT		FES.539212

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+ .WR1UQ51/1

Date	12/20/2022	Volvo Trucks North America	Valiant TMS	Parts list :	Drawing name:	=	
Ed.	MKLEPADLO	P6700 Underbody Mainline - Cell 2V04	Scale 1:1	FES.51E-F33GCQPNMKBNMKBNMK-B-S-UL1+GS2GZBA & 45PN-R-Z-LSMX-5BU-9JL - FES.539212	= 2V04&MFS-PNEU	+ V1UQ55	
Appr							Document type:
Modification	Date	Name	Original	Replaced by	MPB	22-16151	1
							227









LATEST REVISION				
REV.	DATE	SIGN.	DRAWING NR:	SHEET NR:
1	2022-11-04	KMAFFRE	&MFS=V1AR12UQ41UQ9+V1AR12UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ1+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ2+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ3+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ4+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ5+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ6+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ7+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ8+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR13UQ41UQ9+V1AR13UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ1+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ2+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ3+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ4+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ5+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ6+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ7+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ8+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ9+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR14UQ41UQ10+V1AR14UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ1+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ2+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ3+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ4+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ5+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ6+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ7+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ8+V1AR15UQ41	1
1	2022-11-04	KMAFFRE	&MFS=V1AR15UQ41UQ9+V1AR15UQ41	1

LATEST REVISION

REV.	DATE	SIGN.	DRAWING NR:	SHEET NR:
2	2022-11-11	MKLEPADLO	&MFS=V1AR11UQ41KF1+V1AR11UQ41	11
2	2022-11-11	MKLEPADLO	&MFS=V1AR11UQ41KF2+V1AR11UQ41	11
2	2022-11-11	MKLEPADLO	&MFS=V1AR11UQ41KF3+V1AR11UQ41	11
2	2022-11-11	MKLEPADLO	&MFS=V1AR12UQ41KF1+V1AR12UQ41	11
2	2022-11-11	MKLEPADLO	&MFS=V1AR13UQ41KF1+V1AR13UQ41	11
2	2022-11-11	MKLEPADLO	&MFS=V1AR14UQ41KF1+V1AR14UQ41	11
2	2022-11-11	MKLEPADLO	&MFS=V1AR15UQ41KF1+V1AR15UQ41	11
2	2022-11-11	MKLEPADLO	&MFS=V1GL11UQ51KF2+V1GL11UQ51	5,11
2	2022-11-11	MKLEPADLO	&MFS=V1GL11UQ51UQ4+V1GL11UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL11UQ51UQ5+V1GL11UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL11UQ51UQ6+V1GL11UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL11UQ51UQ7+V1GL11UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL11UQ51UQ11+V1GL11UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL11UQ51UQ12+V1GL11UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL12UQ51KF2+V1GL12UQ51	5,11
2	2022-11-11	MKLEPADLO	&MFS=V1GL12UQ51UQ5+V1GL12UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL12UQ51UQ6+V1GL12UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL12UQ51UQ11+V1GL12UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL12UQ51UQ12+V1GL12UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL13UQ51KF1+V1GL13UQ51	5,11
2	2022-11-11	MKLEPADLO	&MFS=V1GL13UQ51UQ1+V1GL13UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL13UQ51UQ2+V1GL13UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL13UQ51UQ3+V1GL13UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL13UQ51UQ7+V1GL13UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL13UQ51UQ8+V1GL13UQ51	1
2	2022-11-11	MKLEPADLO	&MFS=V1GL13UQ51UQx+V1GL13UQ51	1

**LATEST REVISION**

REV.	DATE	SIGN.	DRAWING NR:	SHEET NR:
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51KF2+V1GL11UQ51	5,11
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ2+V1GL11UQ51	1
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ3+V1GL11UQ51	1
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ4+V1GL11UQ51	1
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ5+V1GL11UQ51	1
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ6+V1GL11UQ51	1
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ7+V1GL11UQ51	1
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ8+V1GL11UQ51	1
3	2022-12-20	MKLEPADLO	&MFS=V1GL11UQ51UQ12+V1GL11UQ51	1