




CB&I Nederland B.V.



Project Name:	Hydrocracker Complex
Project Number:	183700
Supplier Name:	Flowserve b.v.
Requisition Number:	183700-MR-0110-001
CBI Document Number:	183700-0110-001-SD-000117
Document Title:	Local Panel Connection/ Wiring Diagrams P-3111 A/B
Supplier Document Number:	ETL150046-047-81260-01
Equipment / Tag No('s):	P-3111A/B
SDR Code(s):	K10-D26

CB&I		
Hydrocracker Complex (183700)		
Engineering Review Status	By:	
Code 1 - No Comments	JAKUB.SVOBOD	
	A	
	Date: 24.07.2018	
<small>These comments do not relieve the supplier of his responsibility to meet the requirements of the P.O.</small>		

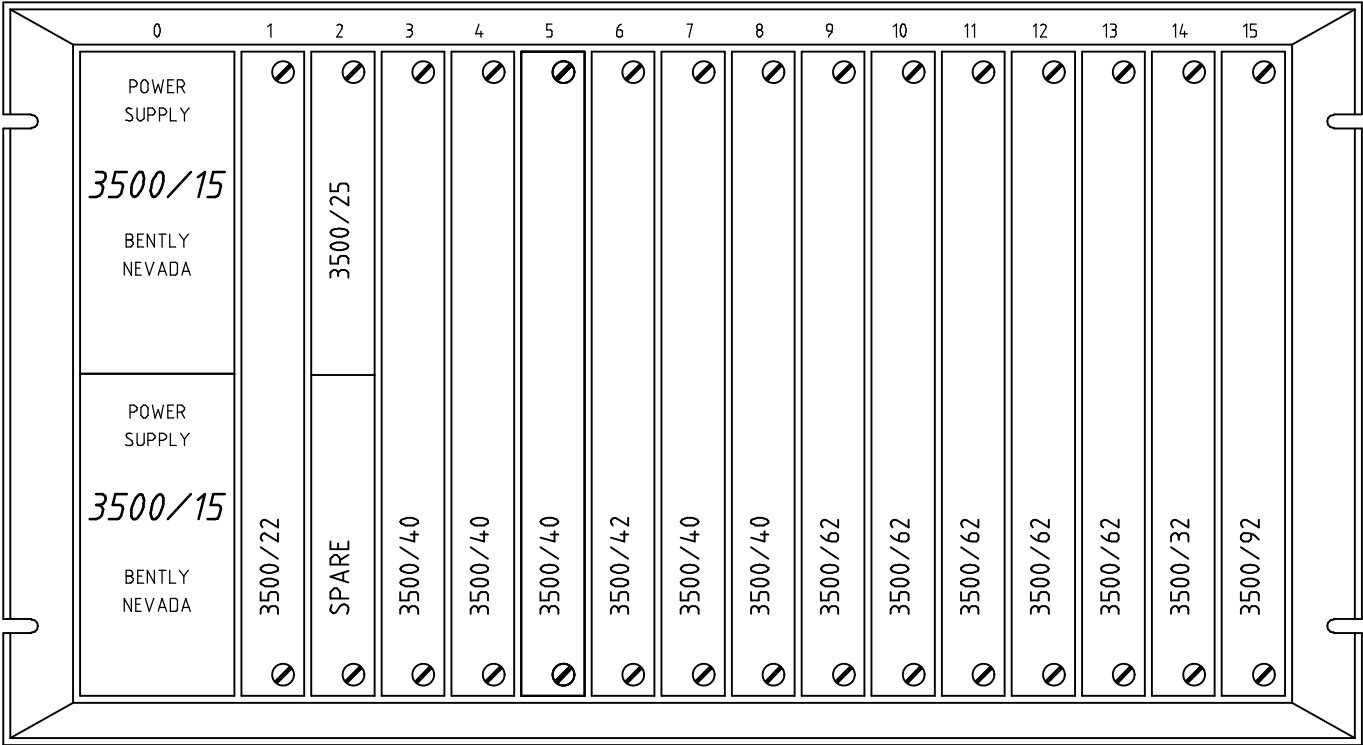
Supplier's Issue Record

Supplier Document Revision Indicator	Issue Date	Description	By	Checked	Approved
07	16/Jul/2018	As built	Supplier	B. Weenink	C. Goossens
06	04/Apr/2018	Final - Implemented terminals interconnections	Srinivasan, N	Munoz, Alicia	Goossens, Christian
05	12/Feb/2018	As built	Narasimhalah, Naveen Kumar	Munoz, Alicia	Kop, John
04	08/Aug/2017	As built	Narasimhalah, Naveen Kumar	Munoz, Alicia	Munoz, Alicia
03	27/Jun/2017	As built	Munoz, Alicia	Kop, John	Kop, John
02	20/Jan/2017	For Review	Enkhuizen , Patrick van	Enkhuizen , Patrick van	Enkhuizen , Patrick van
01	25/Jul/2016	For Review	Enkhuizen , Patrick van	Enkhuizen , Patrick van	Enkhuizen , Patrick van
0	27/Dec/2016	First Issue	Enkhuizen , Patrick van	Enkhuizen , Patrick van	Kop, John

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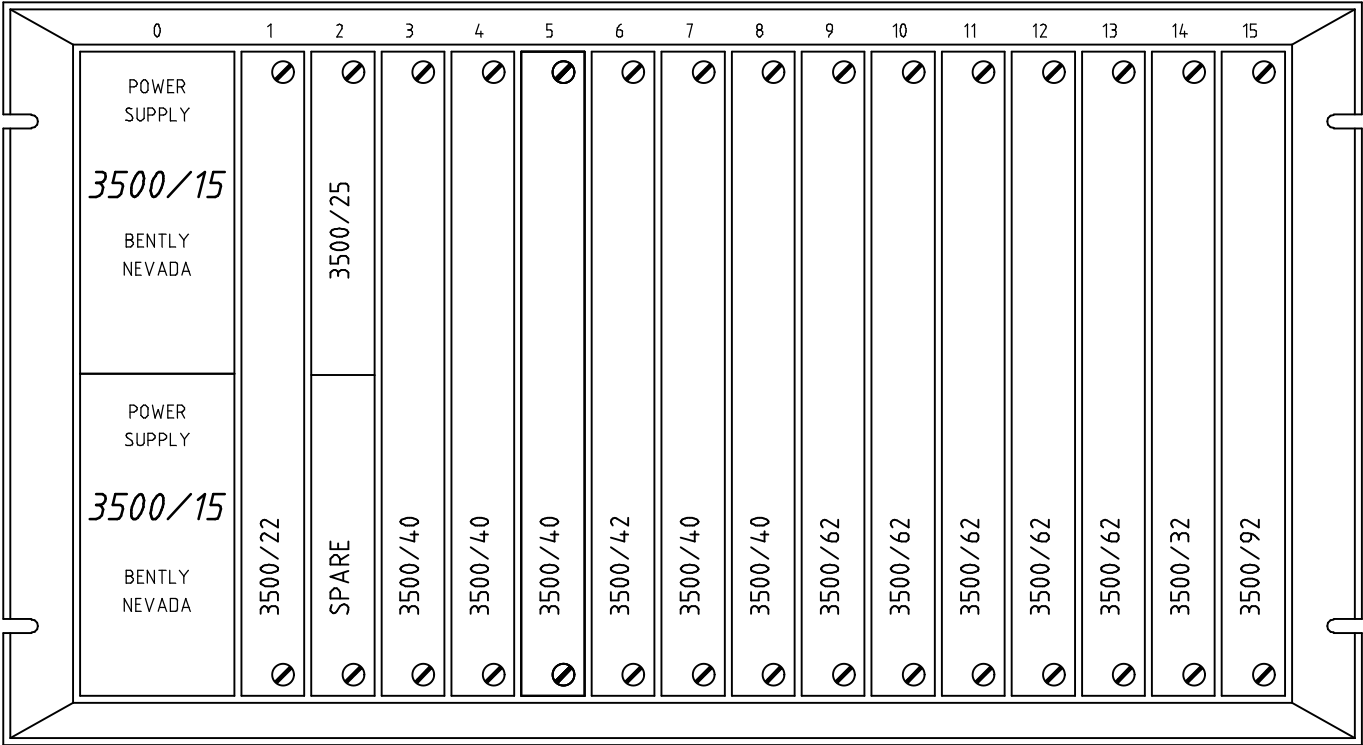
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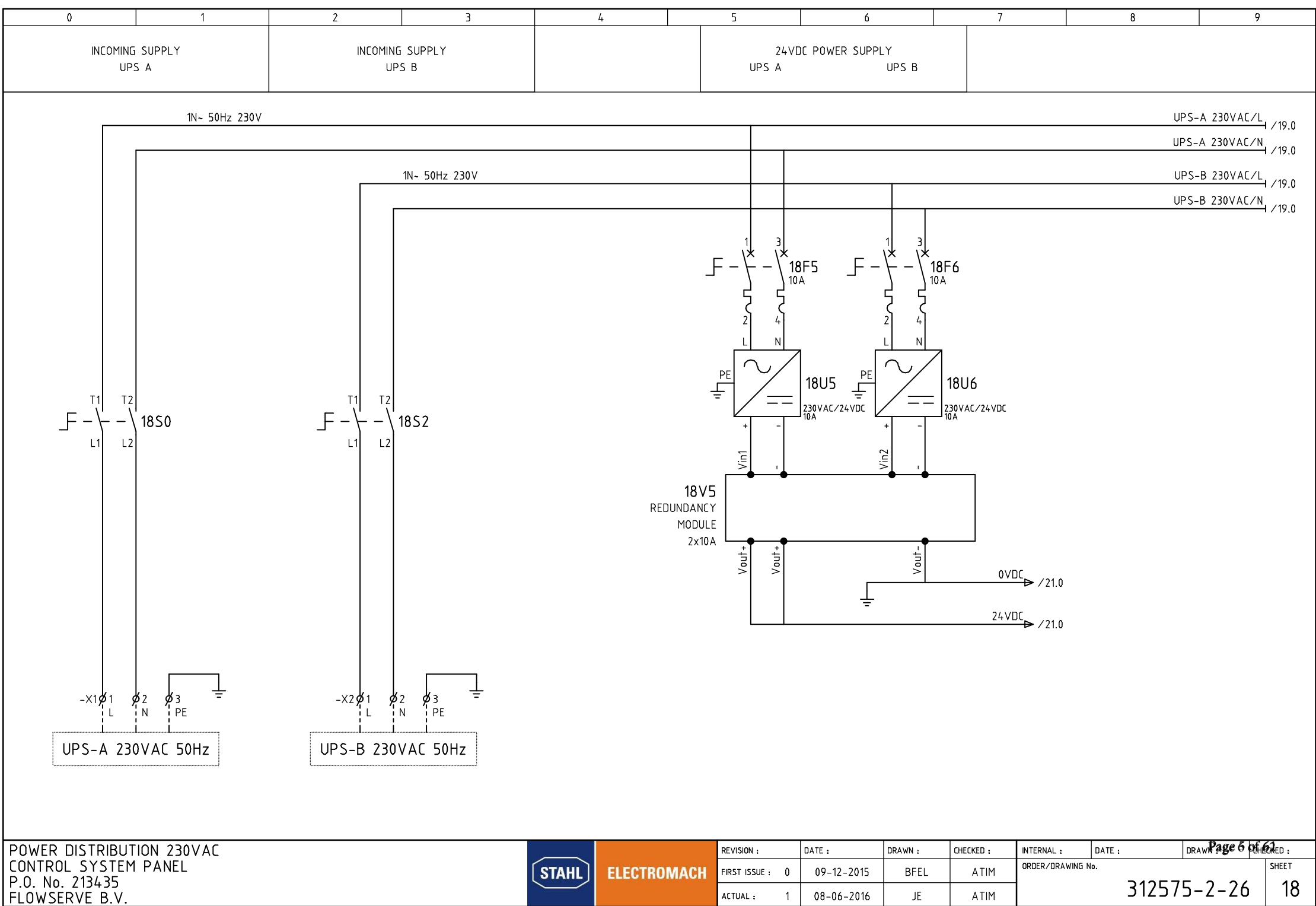


RACK 1
FOR P-3111A

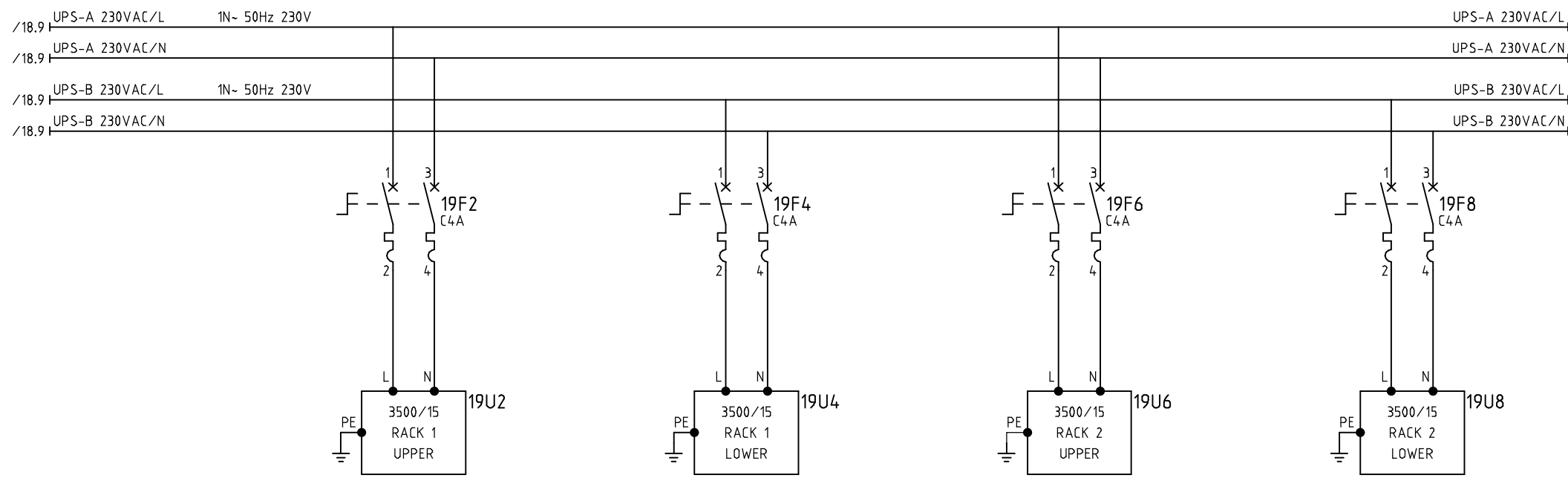
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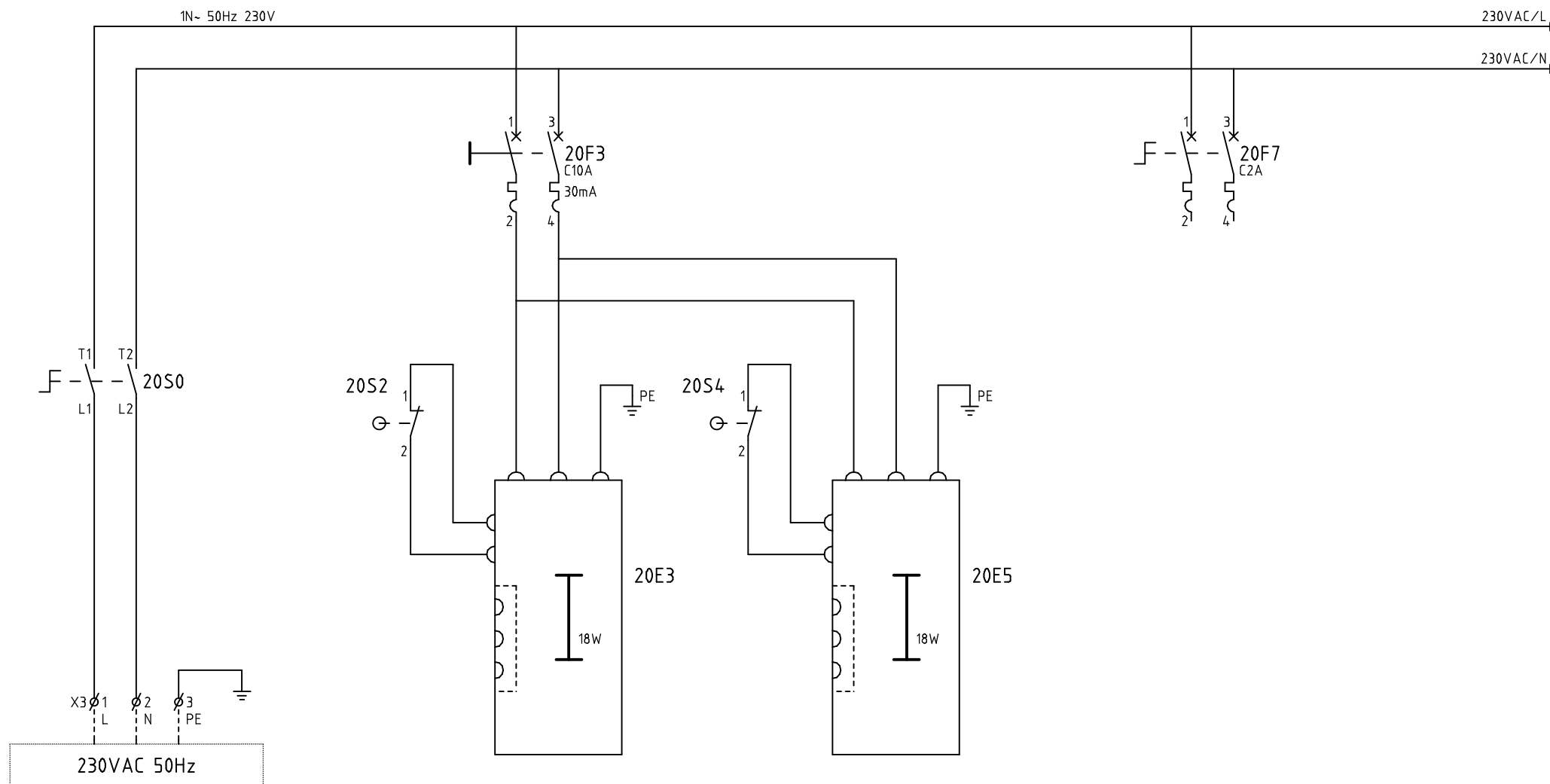
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 FOR P-3111B



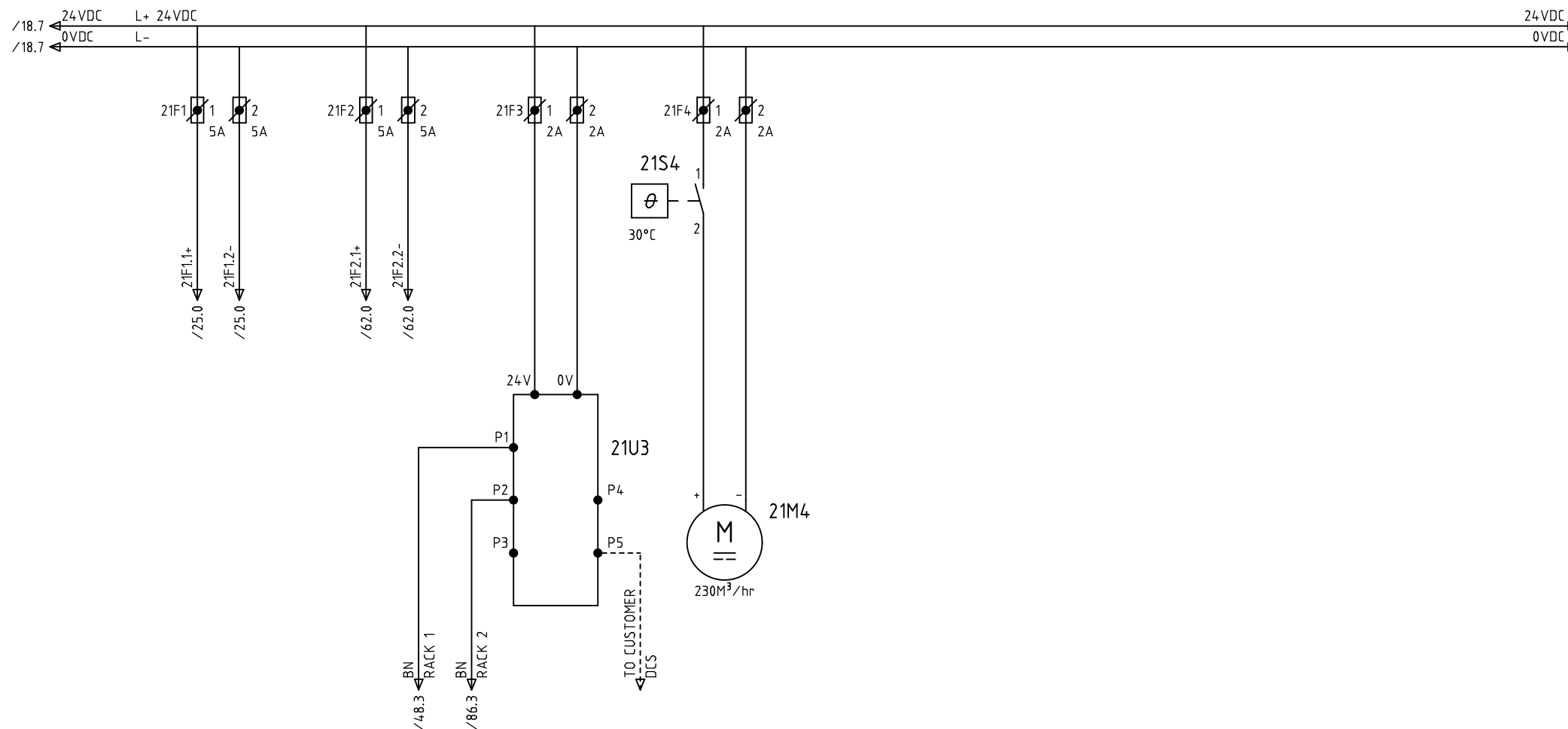
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	POWER SUPPLY BENTLY NEVADA RACK 1 UPPER			POWER SUPPLY BENTLY NEVADA RACK 1 LOWER		POWER SUPPLY BENTLY NEVADA RACK 2 UPPER		POWER SUPPLY BENTLY NEVADA RACK 2 LOWER	



0	1	2	3	4	5	6	7	8	9
	INCOMING SUPPLY UTILITY FEEDER		PANEL LIGHTING + UTILITY SOCKET				SPARE		

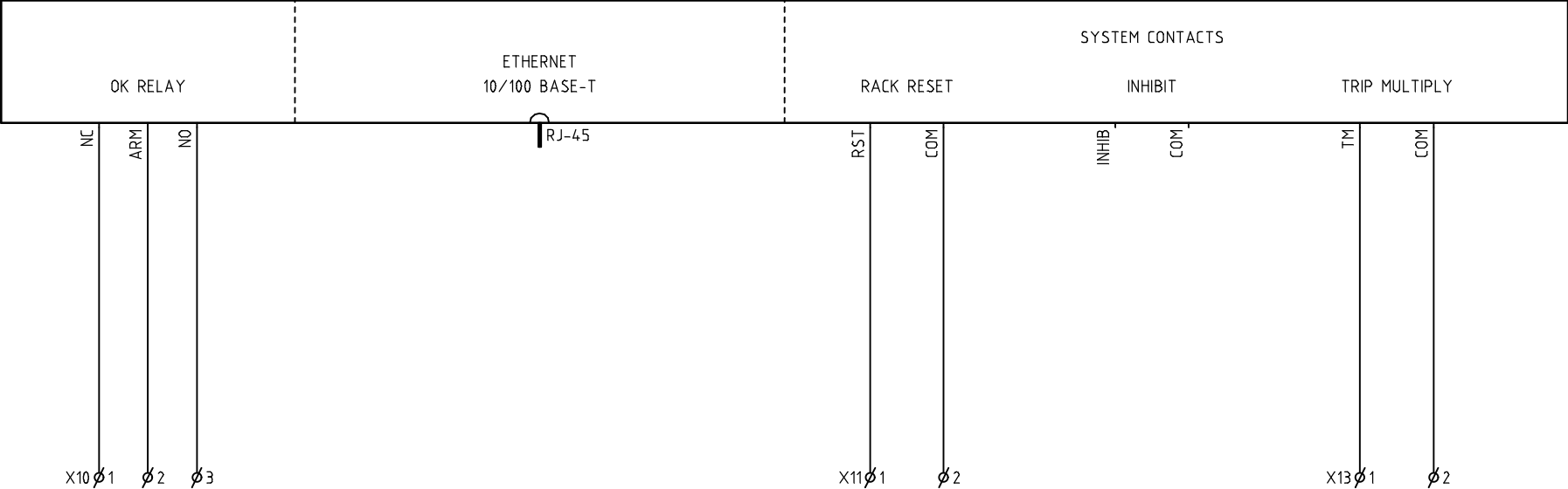


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	24VDC SUPPLY ISOLATORS RACK 1	24VDC SUPPLY ISOLATORS RACK 2	24VDC SUPPLY ETHERNET SWITCH	PANEL VENTILATION					



RACK INTERFACE MODULE 3500/22M-01-01-00

23U1
BN RACK 1
SLOT 1

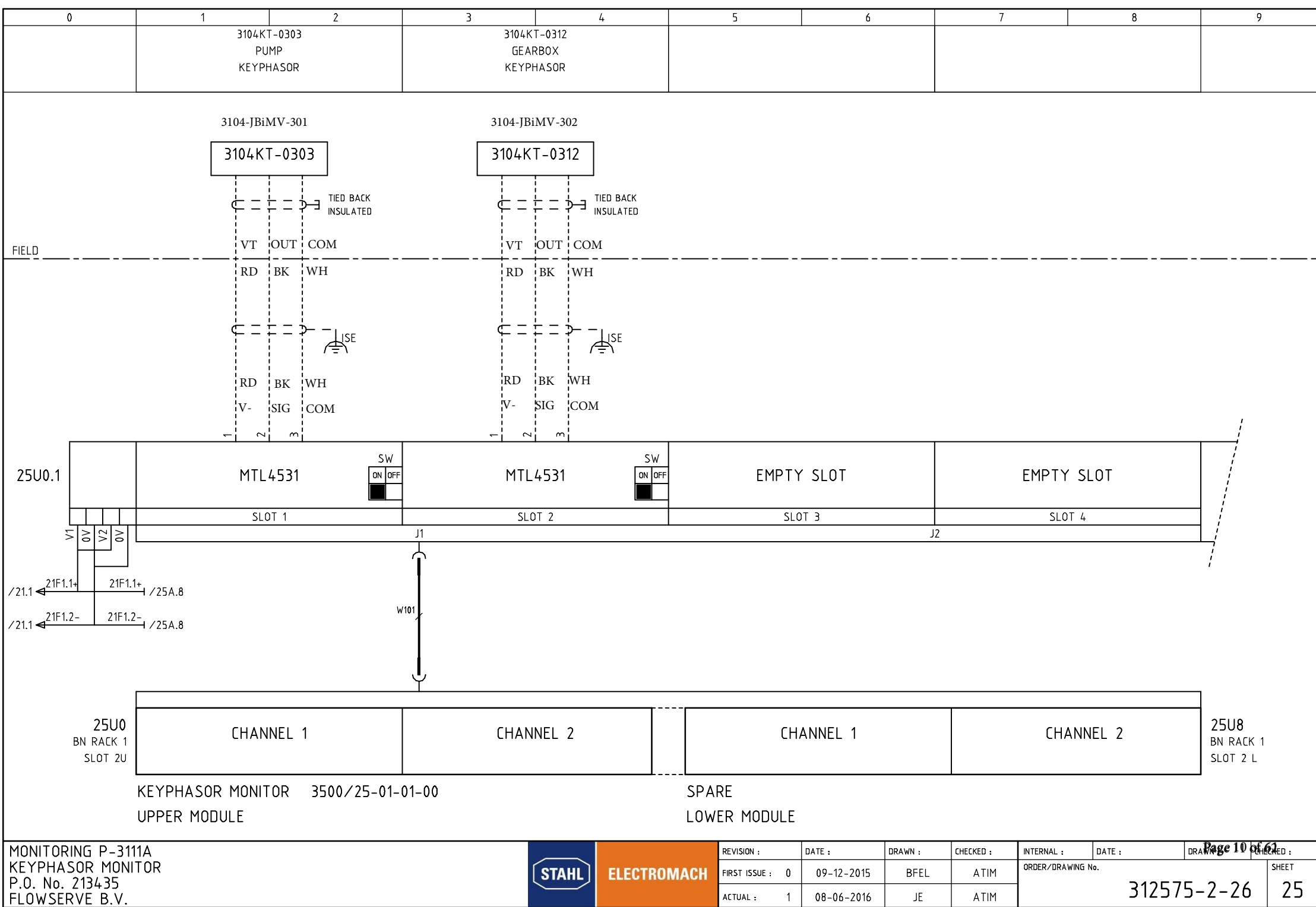


EXTERNAL

3104XS-0340

3104XY-0341

3104XY-0342



MONITORING P-3111A

KEYPHASOR MONITOR

P.O. No. 213435

FLOWERVE B.V.

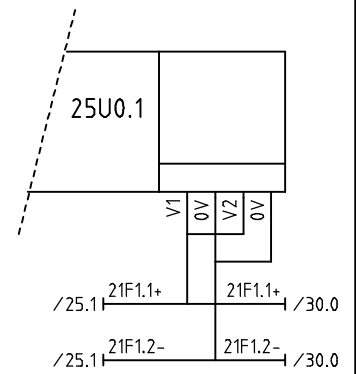
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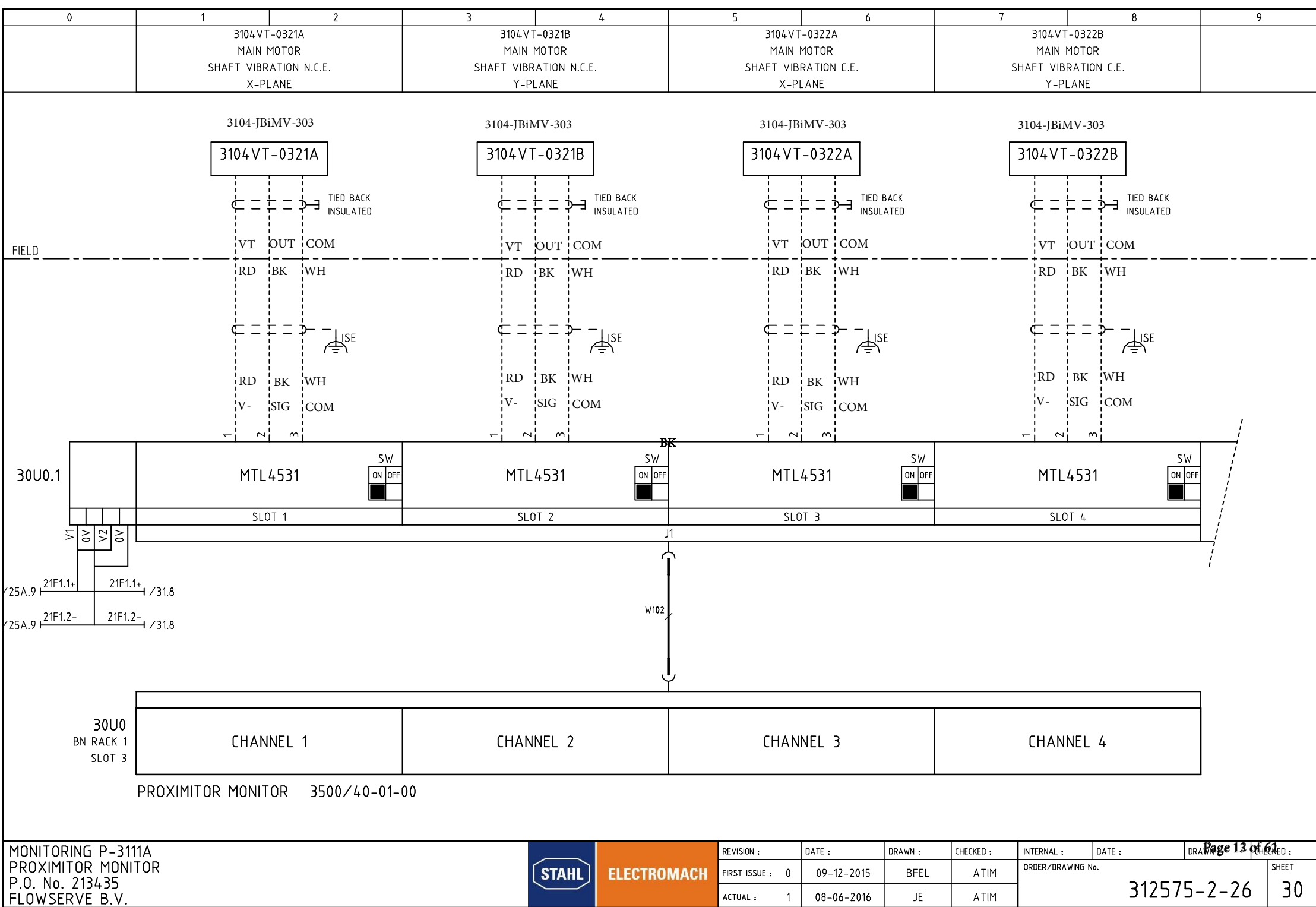
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FIRST ISSUE : 0	09-12-2015	BFEL	ATIM	ORDER/DRAWING No.	312575-2-26		
ACTUAL : 1	08-06-2016	JE	ATIM	25			

Page 10 of 61

0	1	2	3	4	5	6	7	8	9





MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

30U0

BN RACK 1

SLOT 3

CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR

3500/40-01-00

30U0.1

V1

OV

V2

OV

21F1.1+

21F1.1+

25A.9

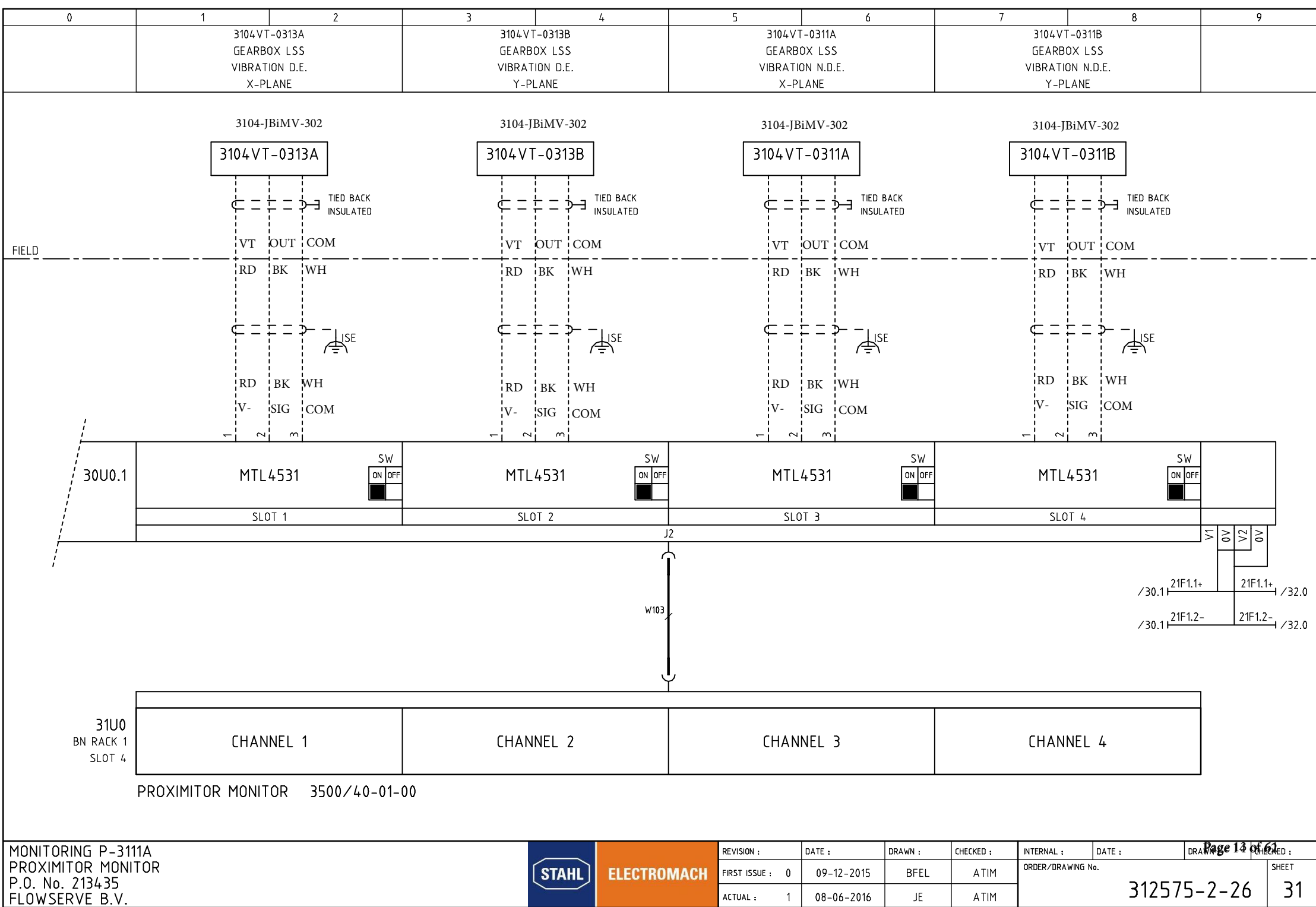
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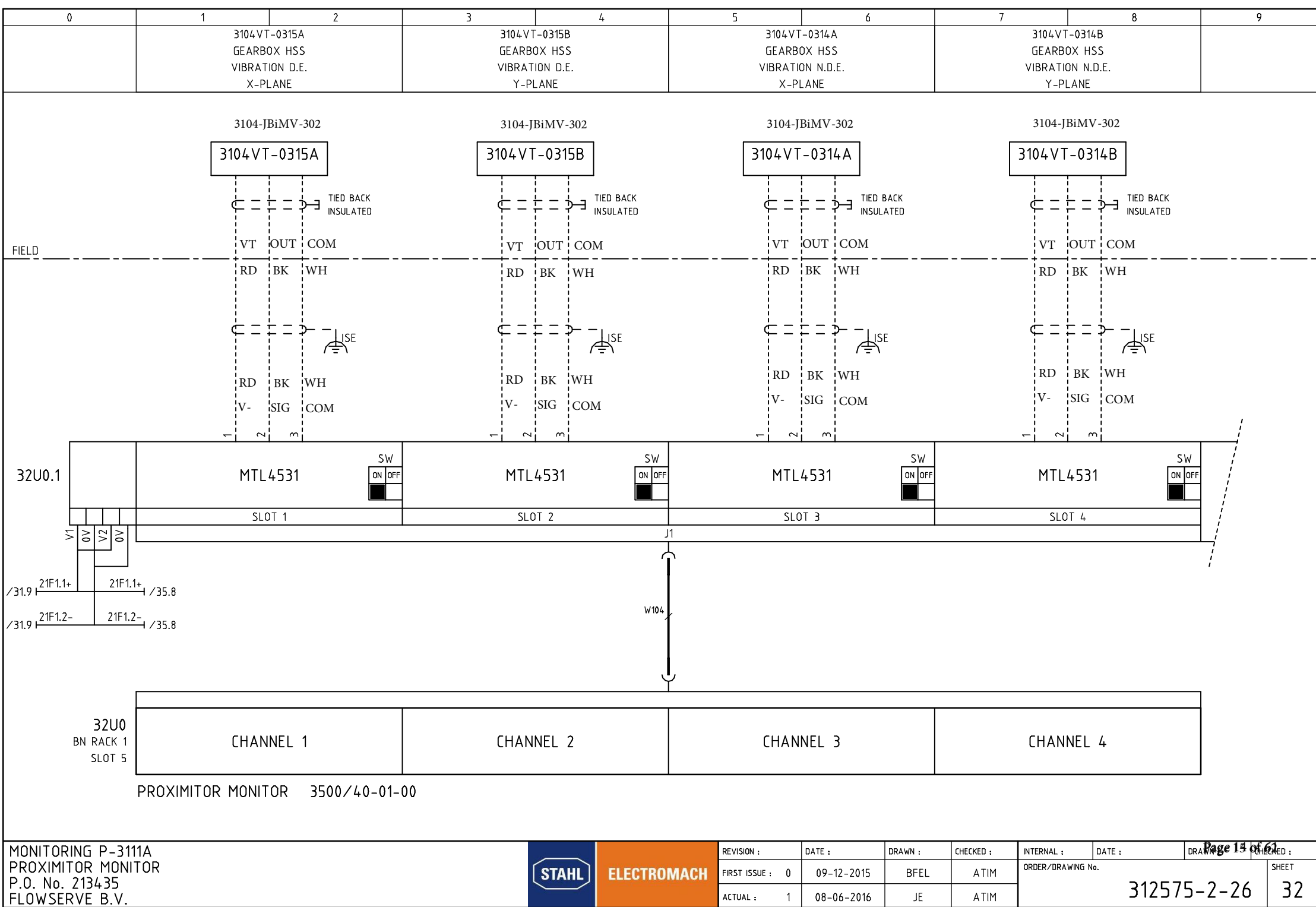
21F1.2-

21F1.2-

25A.9

31.8





MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

J1

W104

32U0

BN RACK 1

SLOT 5

CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00

MONITORING P-3111A

PROXIMITOR MONITOR

P.O. No. 213435

FLOWERVE B.V.

STAHL

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08-06-2016

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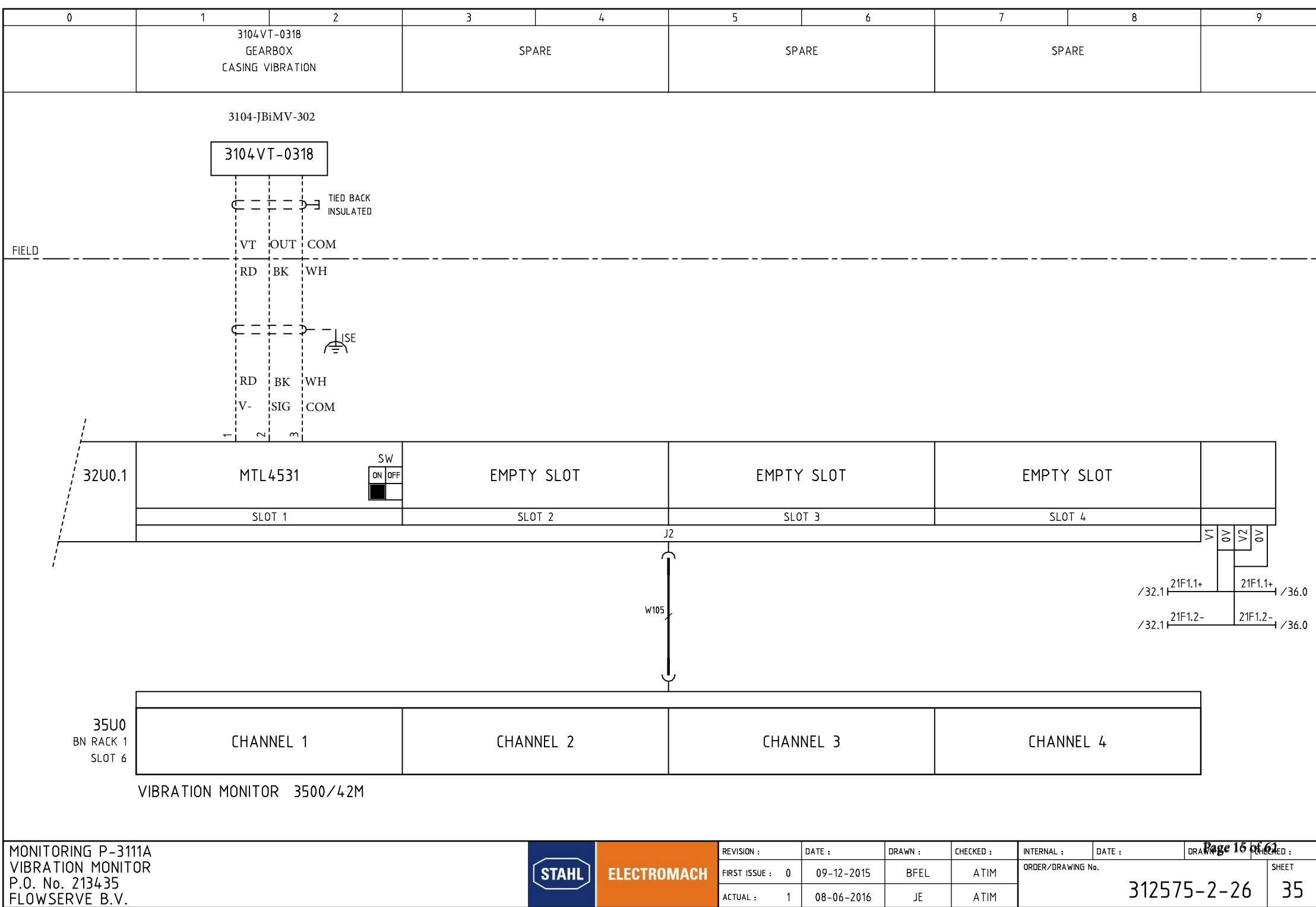
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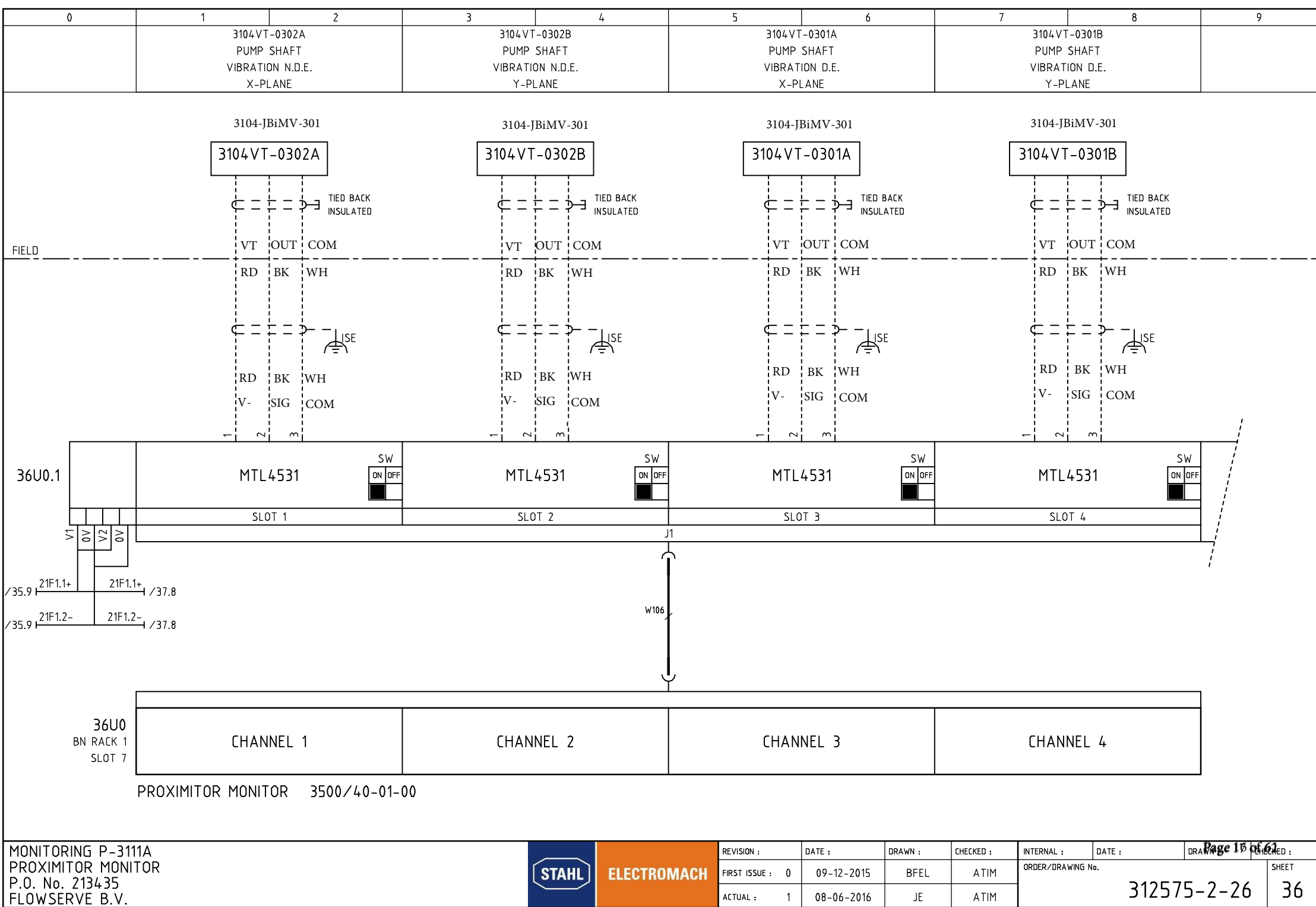
312575-2-26

SHEET

32

Page 15 of 61





MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

V1

OV

V2

OV

21F1.1+

21F1.1+

37.8

21F1.2-

21F1.2-

37.8

J1

W106

MONITORING P-3111A

PROXIMITOR MONITOR

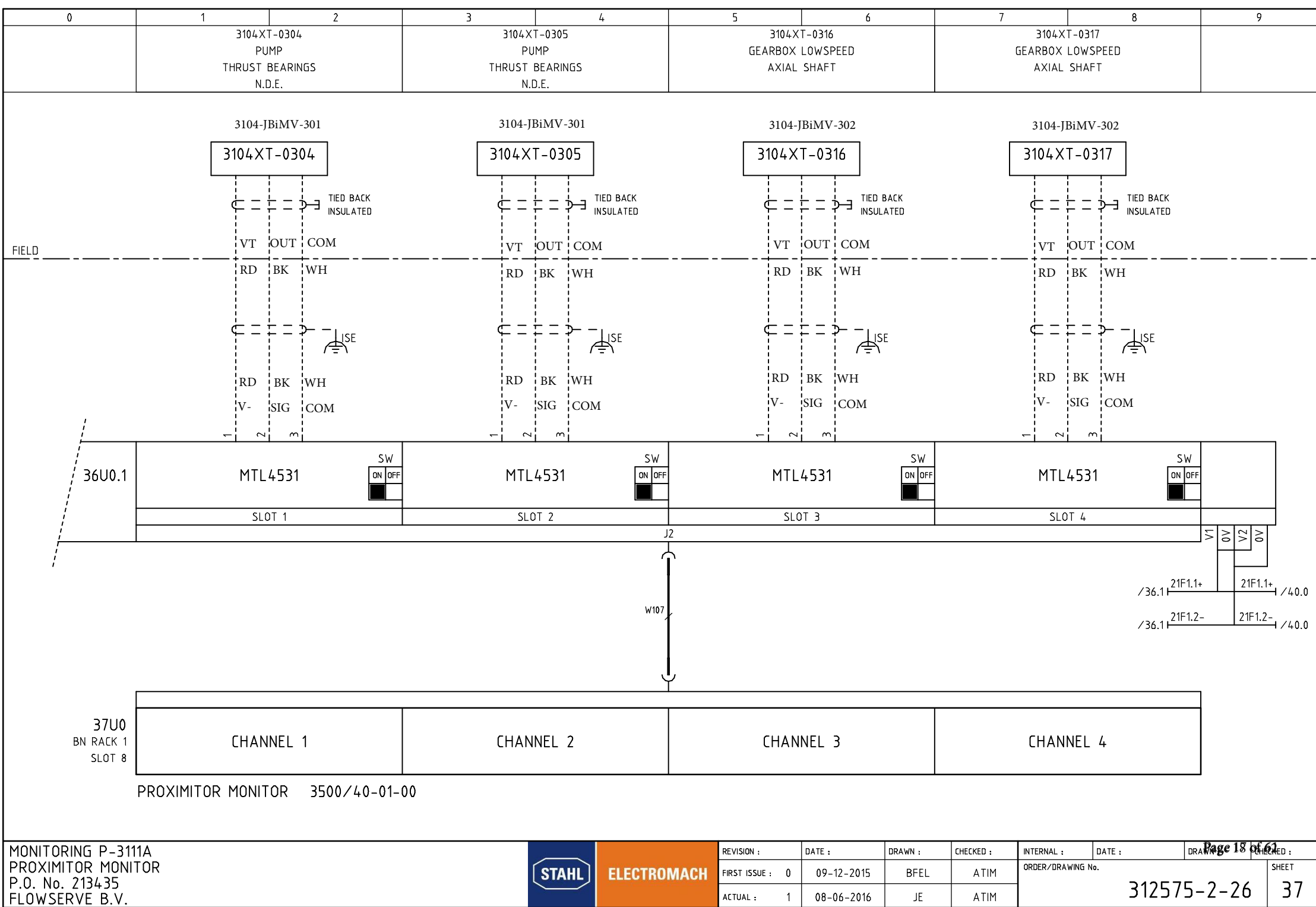
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Page 16 of 61



3104-JBiMV-302

3104XT-0316

VT

OUT

COM

RD

BK

WH

ISE

RD

BK

WH

V-

SIG

COM

123

TIED BACK
INSULATED

3104-JBiMV-302

3104XT-0317

VT

OUT

COM

RD

BK

WH

ISE

RD

BK

WH

V-

SIG

COM

123

TIED BACK
INSULATED

36U0.1

MTL4531

SW

ON

OFF

SLOT 1

MTL4531

SW

ON

OFF

SLOT 2

MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

J2

W107

V1

0V

V2

0V

21F1.1+

21F1.2-

36.1

40.0

37U0

BN RACK 1

SLOT 8

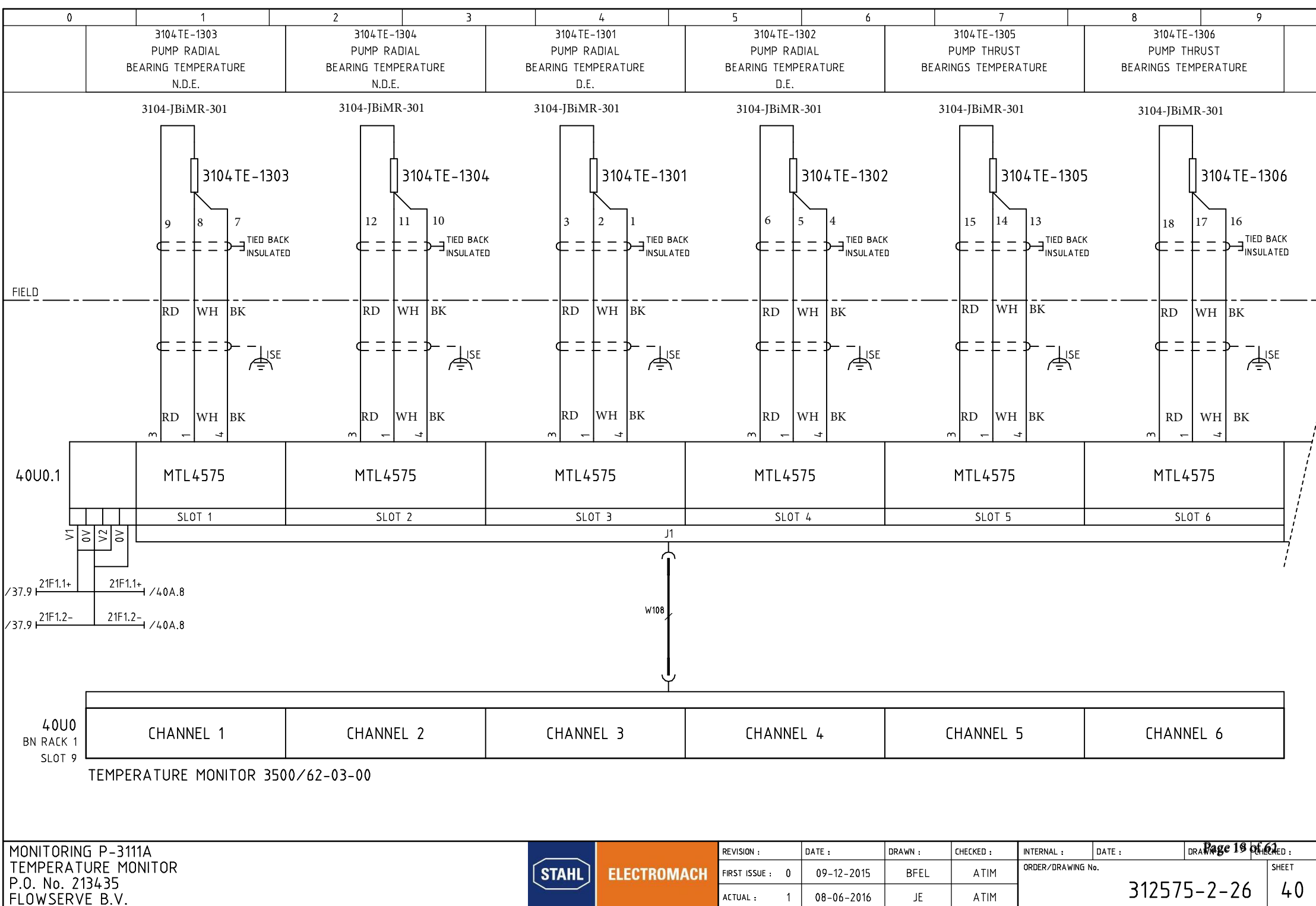
CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00



MONITORING P-3111A

TEMPERATURE MONITOR

P.O. No. 213435

FLOWERVE B.V.

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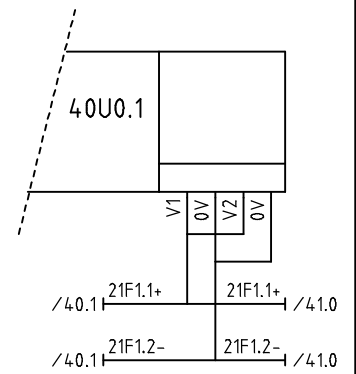
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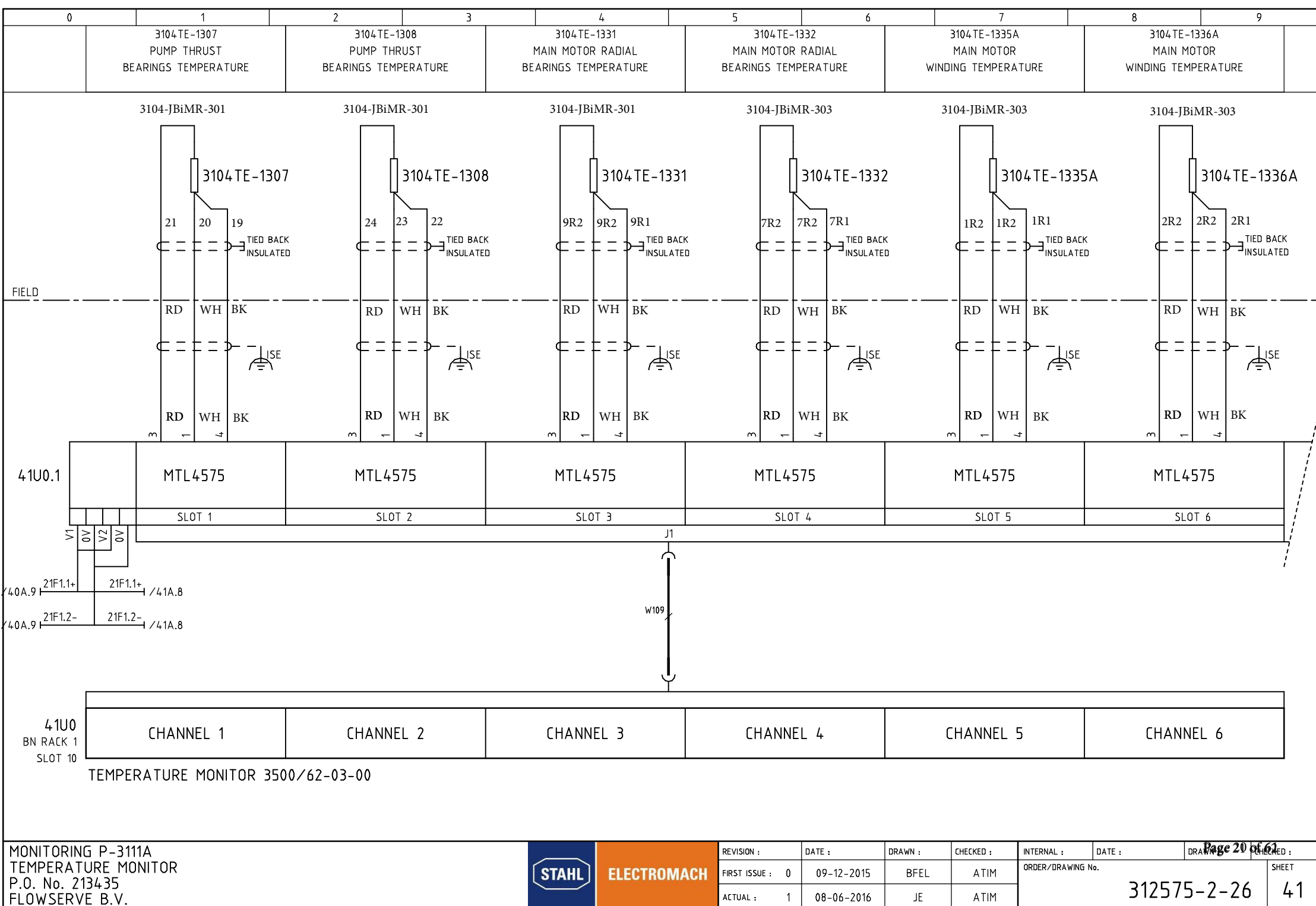
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SHEET

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MONITORING P-3111A

TEMPERATURE MONITOR

P.O. No. 213435

FLOWERVE B.V.

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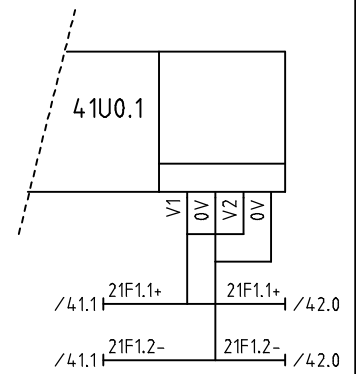
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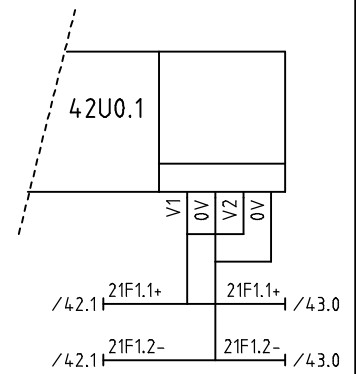
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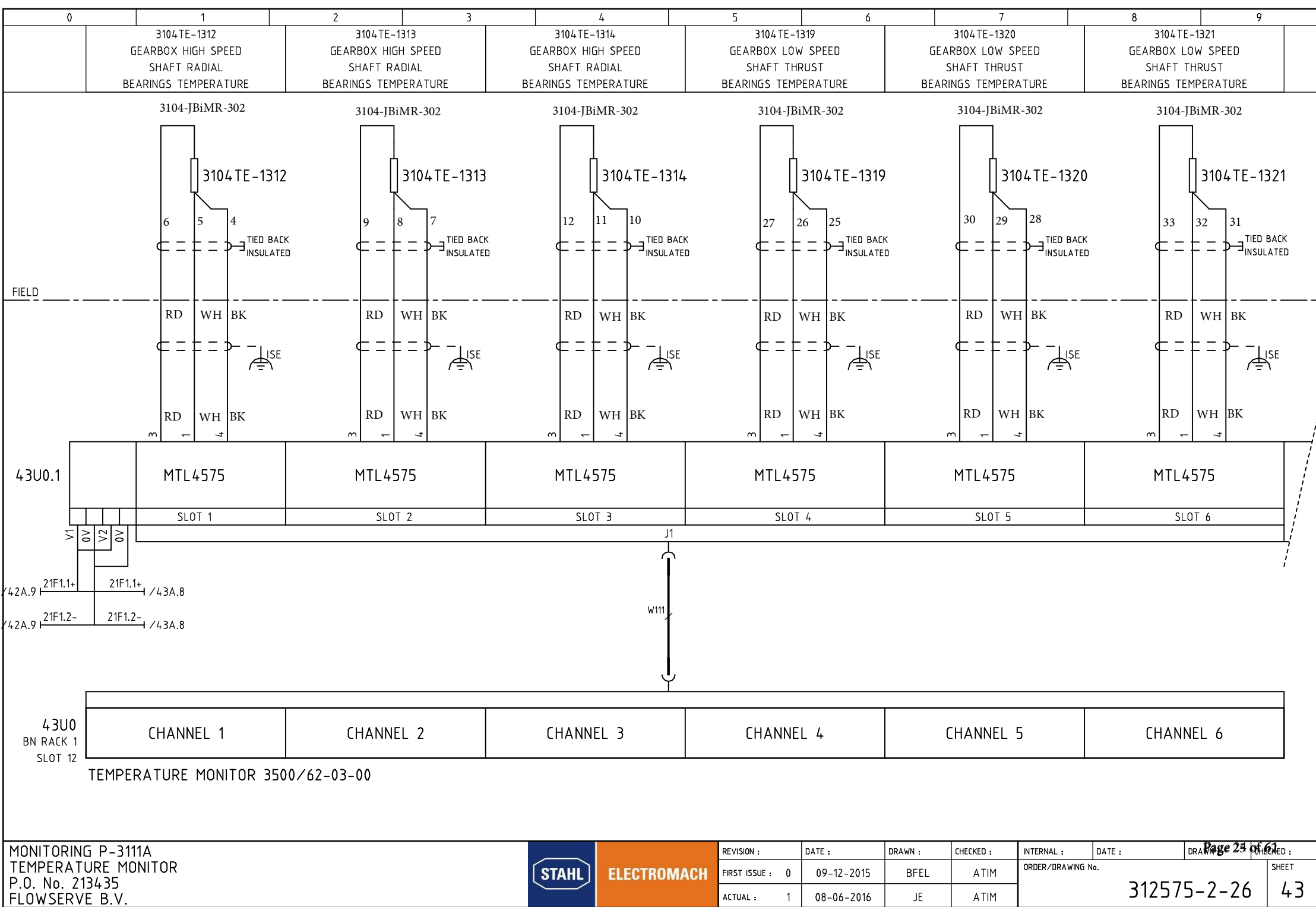
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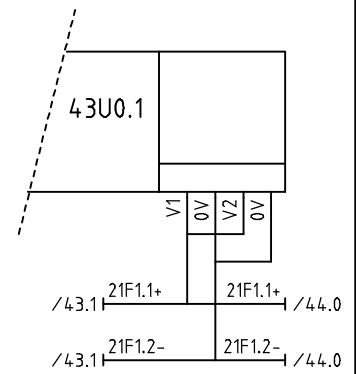


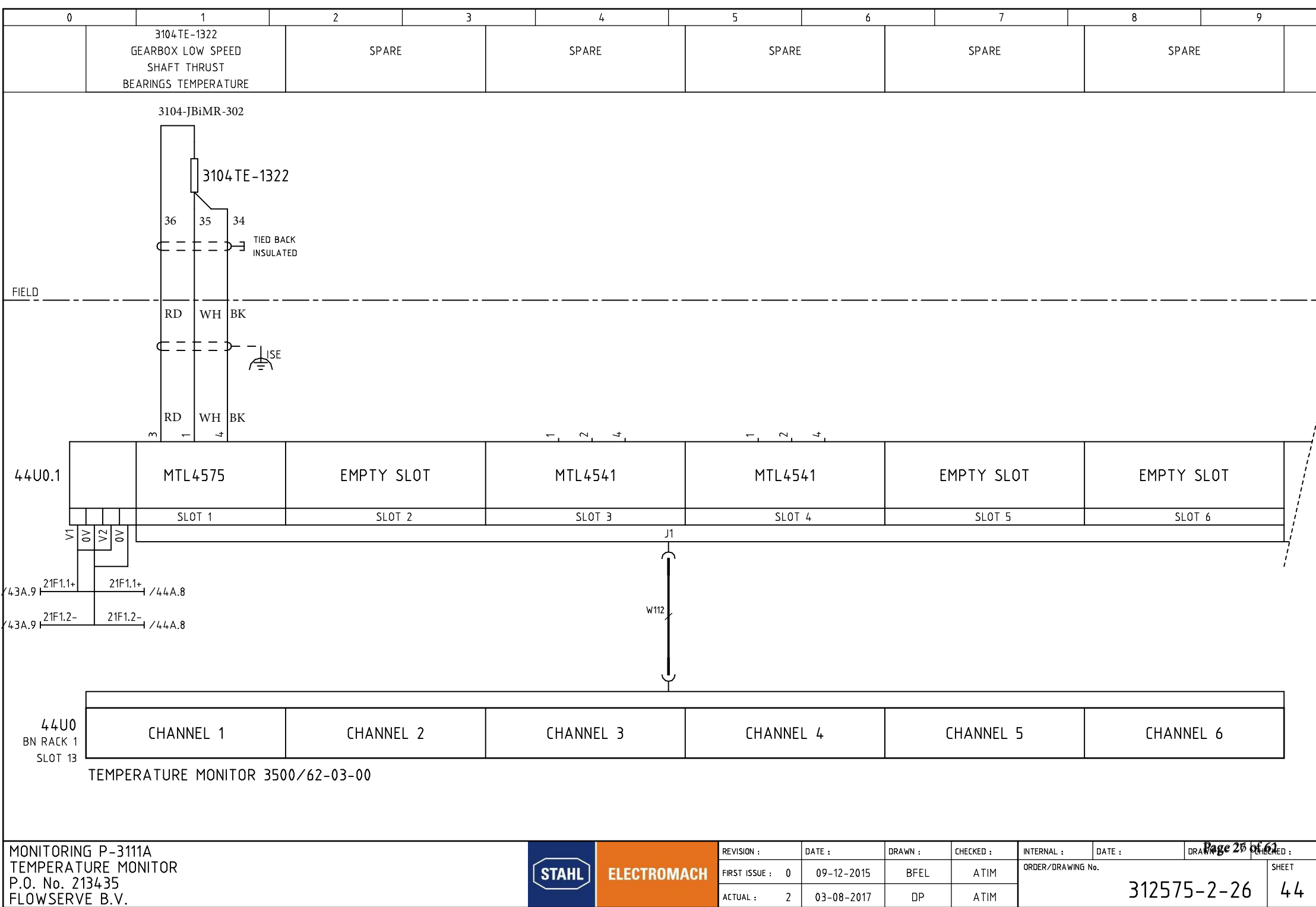
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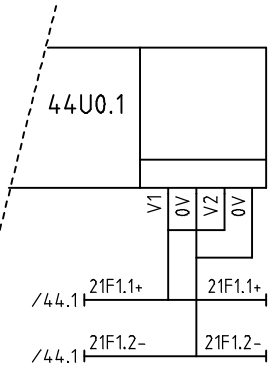


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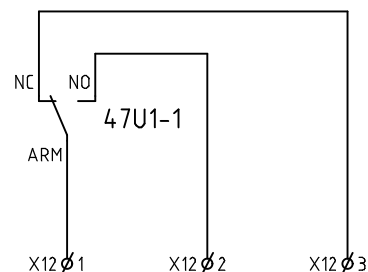
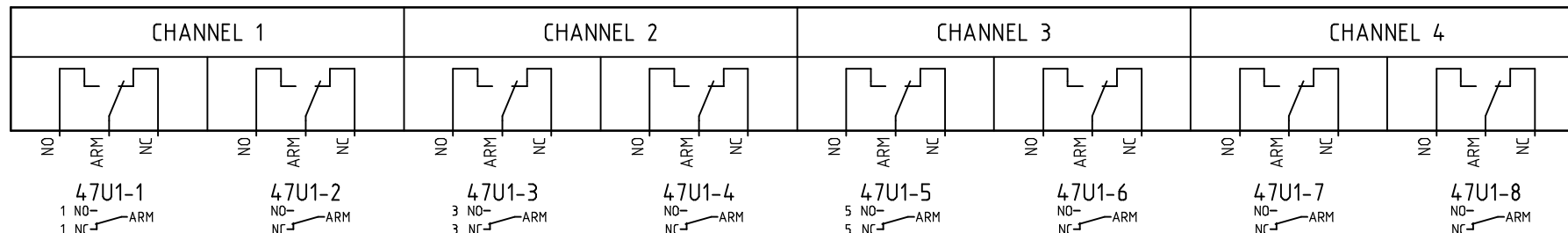
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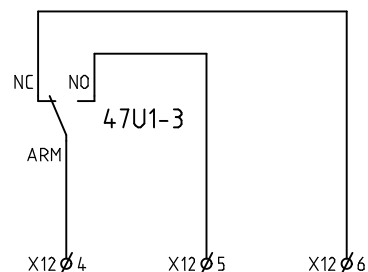
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	3104XS-0329 COMMON TRIP VIBRATION 3100Z-113A		3104XS-0330 COMMON TEMPERATURE MEASUREMENT 3100Z-113A		3104XS-0328 COMMON TRIP AXIAL DISPLACEMENT 3100Z-113A		SPARE		

RELAY MODULE 3500/32-01-00

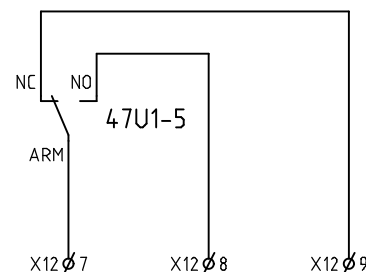
47U1
BN RACK 1
SLOT 14



3104XS-0329



3104XS-0330



3104XS-0328

0	1	2	3	4	5	6	7	8	9
	MODBUS TCP/IP				SPARE				

COMMUNICATION GATEWAY 3500/92-04-01-00

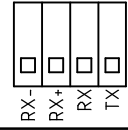
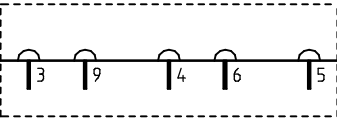
48U1
BN RACK 1
SLOT 15

ETHERNET
10/100 BASE-T
RJ-45
IP ADDRESS :
192.168.0.9

W113

BN
RACK 1
/21.2

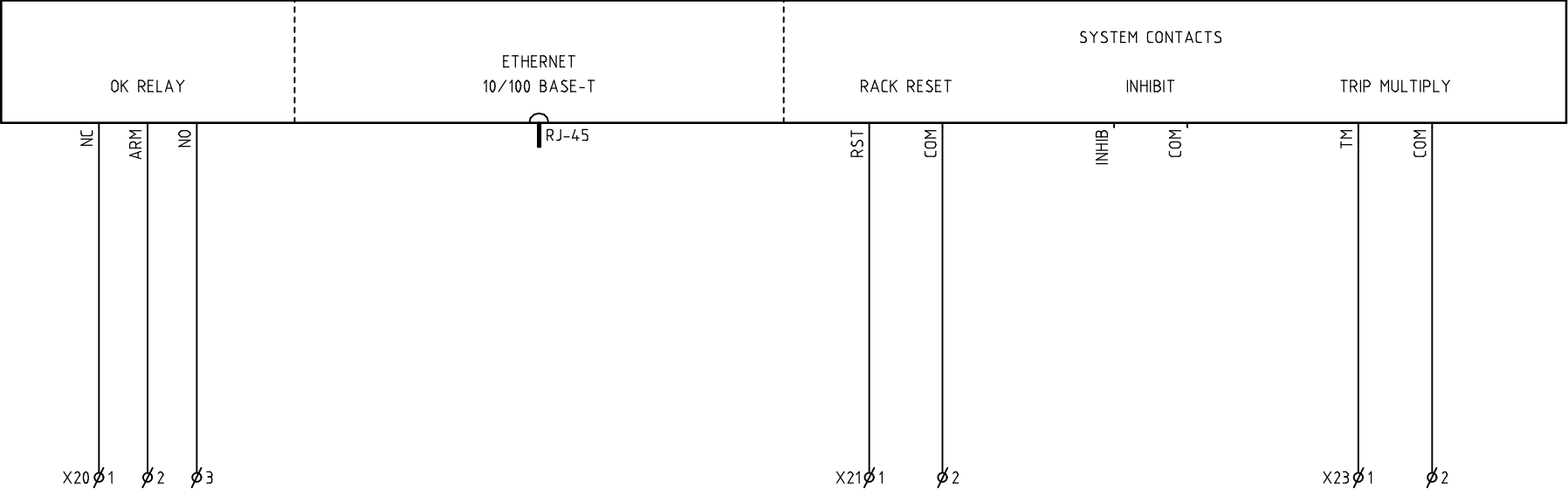
RS485
MODBUS



SLAVE
ADDRESS

RACK INTERFACE MODULE 3500/22M-01-01-00

60U1
BN RACK 2
SLOT 1

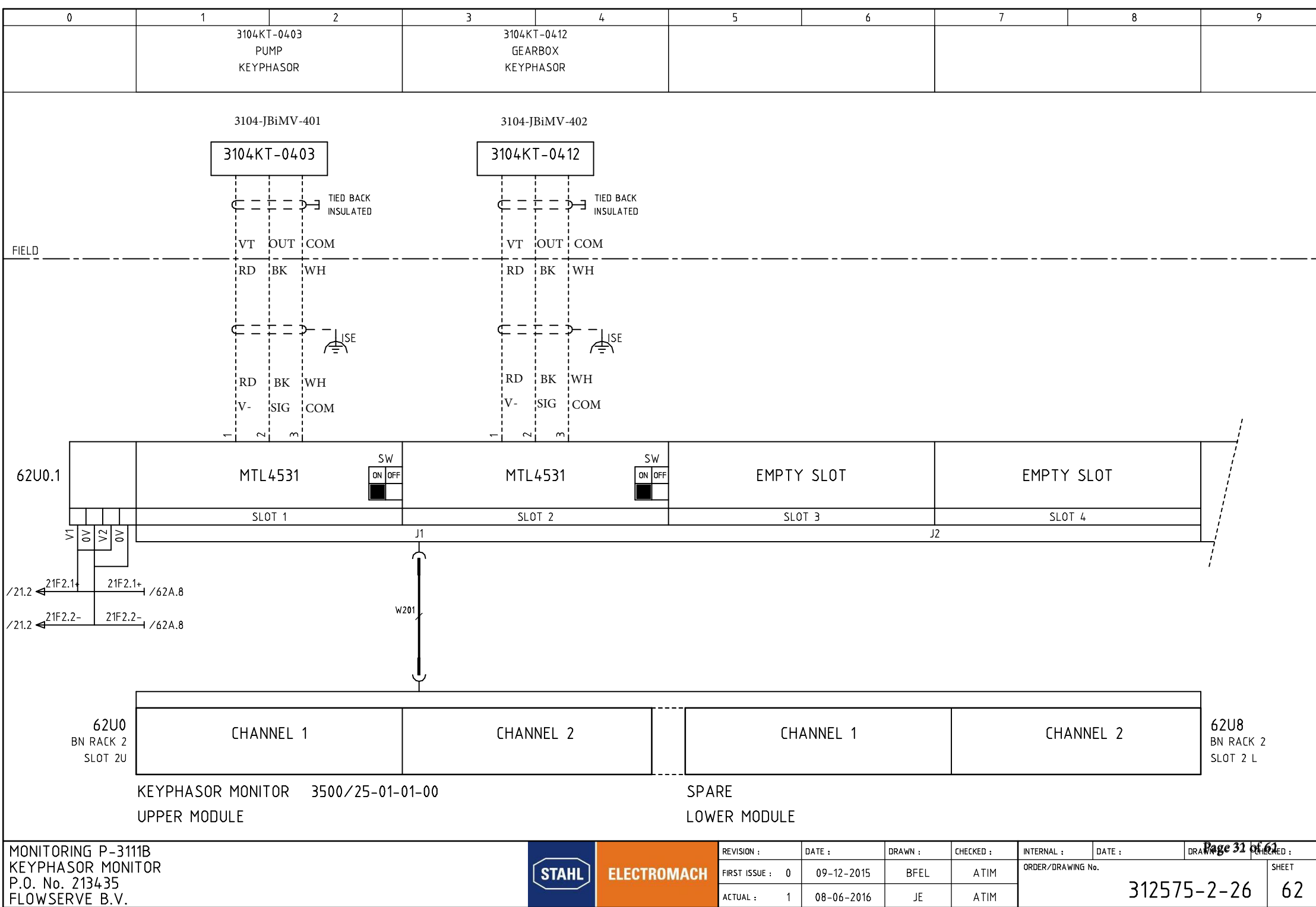


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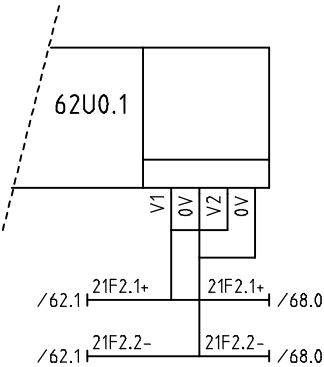
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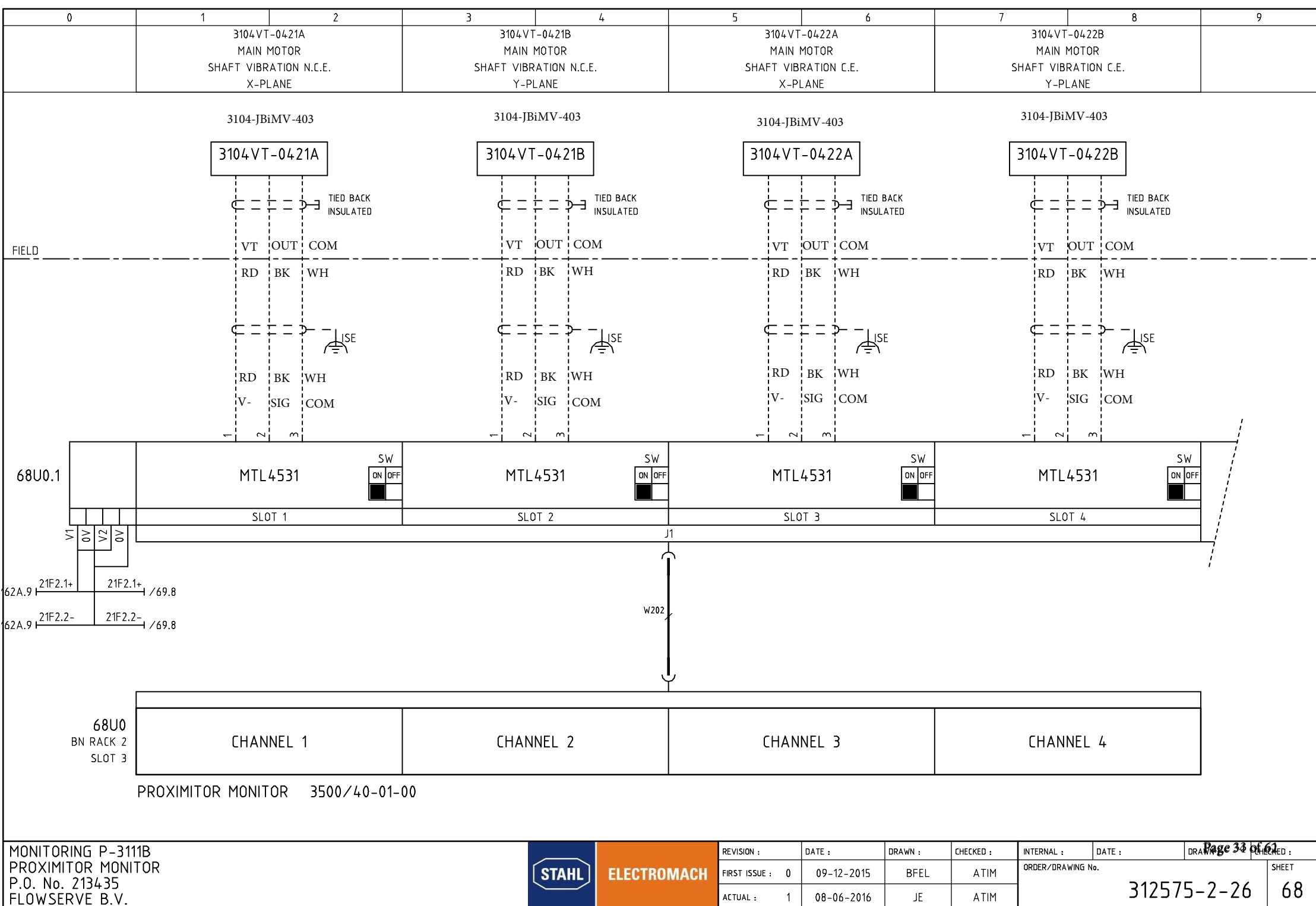
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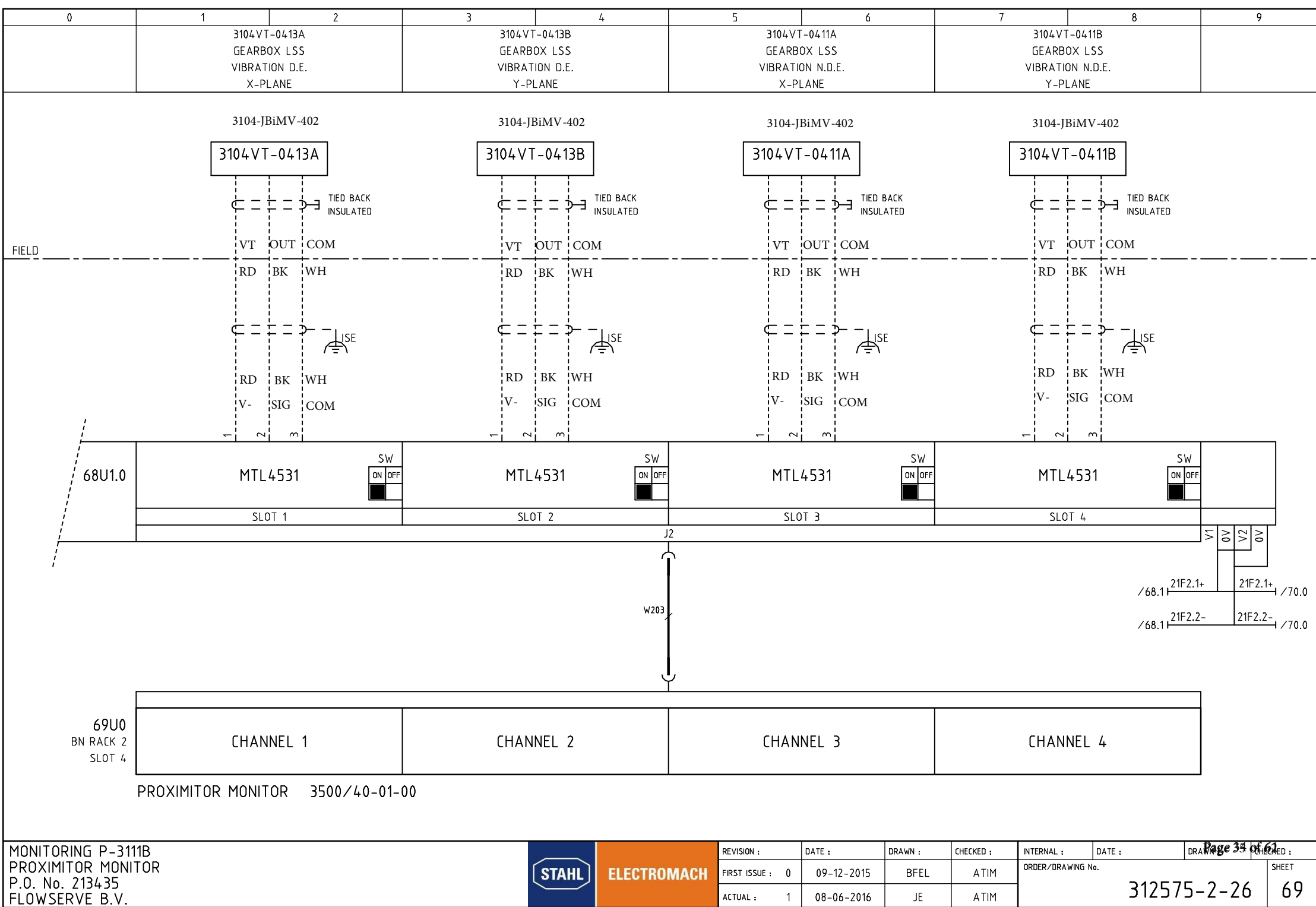
3104XY-0442



0	1	2	3	4	5	6	7	8	9







MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

J2

W203

V1

0V

V2

0V

21F2.1+

21F2.1+

21F2.2-

21F2.2-

/68.1

/70.0

/68.1

/70.0

69U0

BN RACK 2

SLOT 4

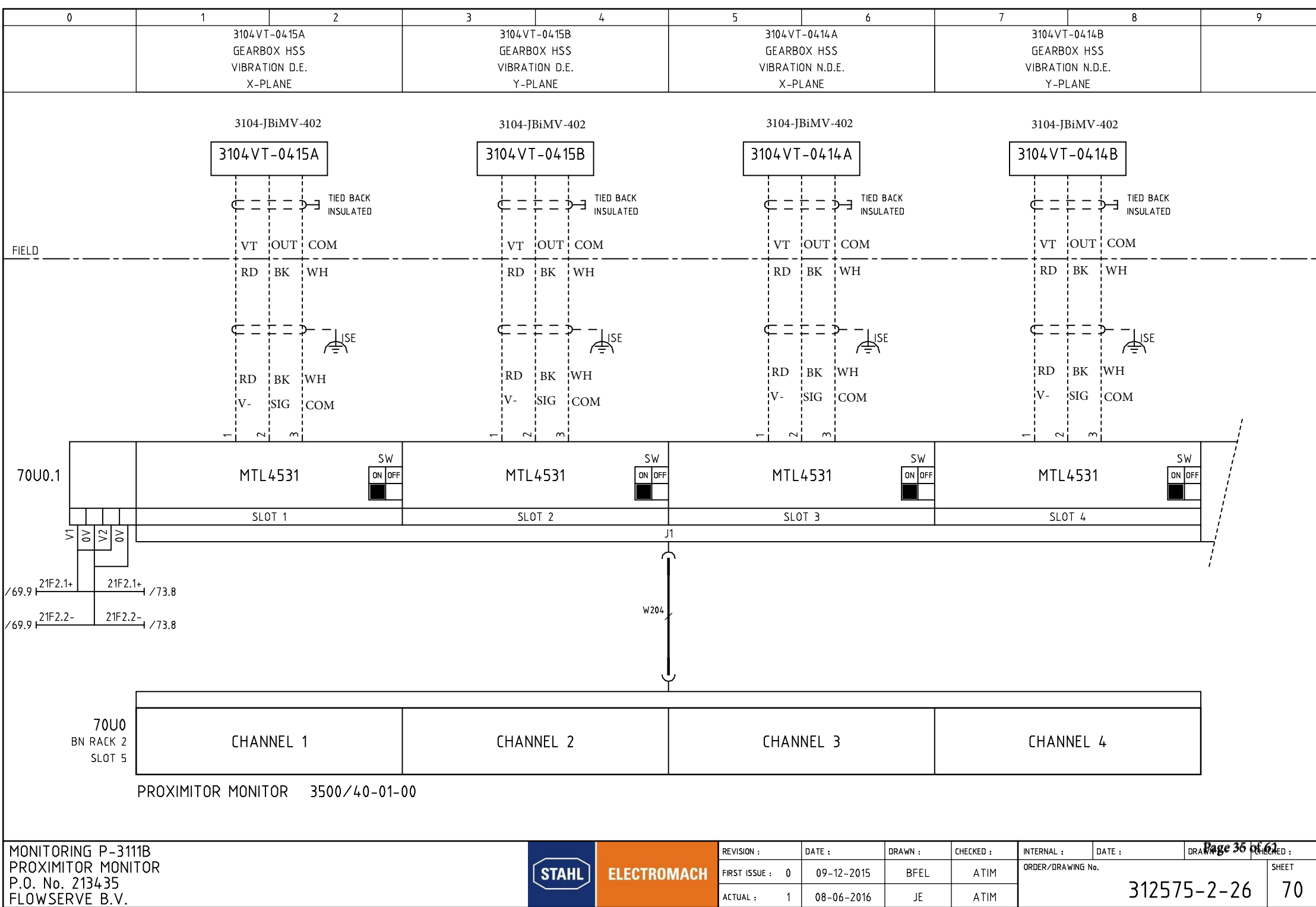
CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00



MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

V1

OV

V2

OV

21F2.1+

21F2.1+

73.8

21F2.2-

21F2.2-

73.8

J1

W204

MONITORING P-3111B

PROXIMITOR MONITOR

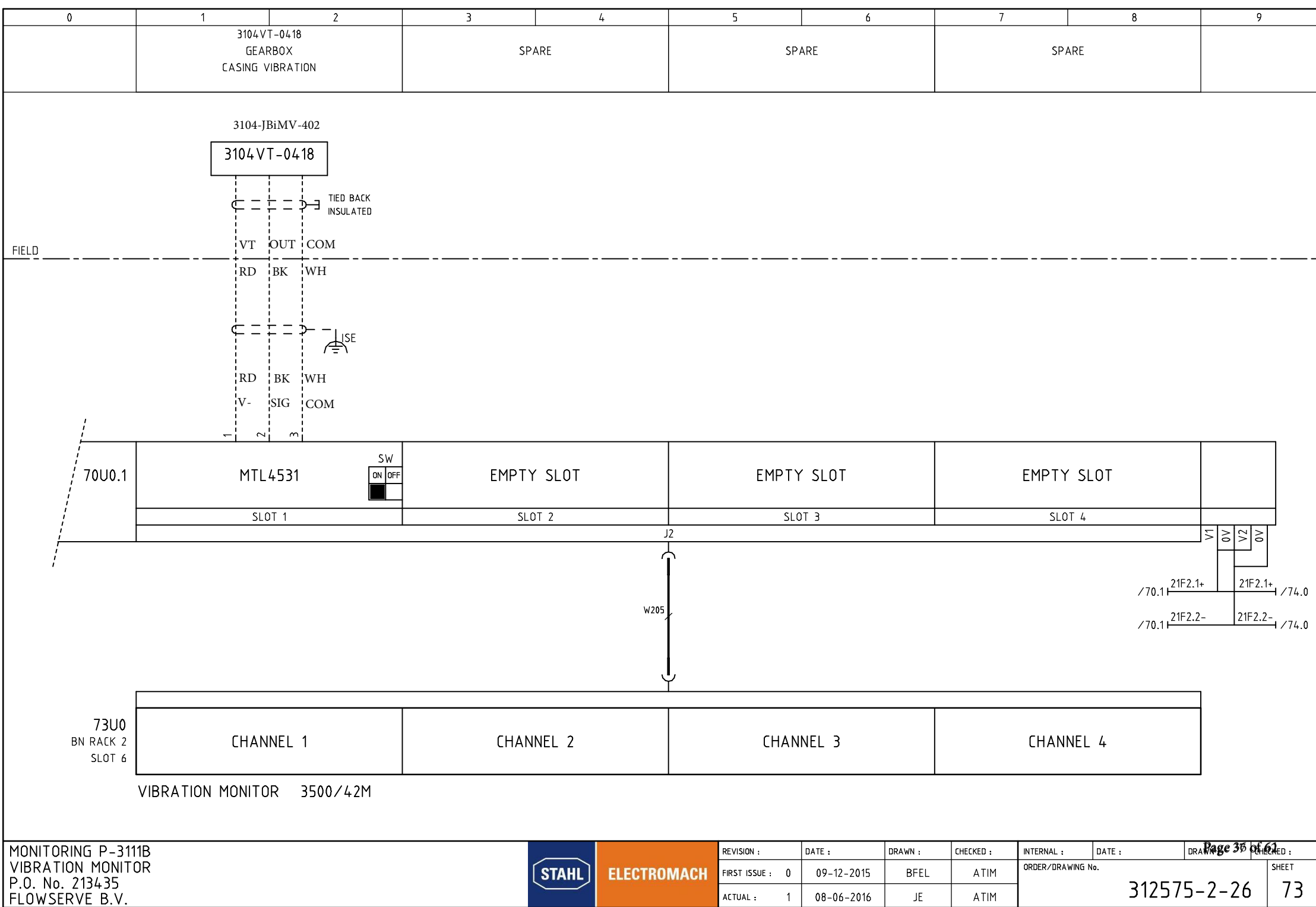
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Page 36 of 61



MONITORING P-3111B

VIBRATION MONITOR

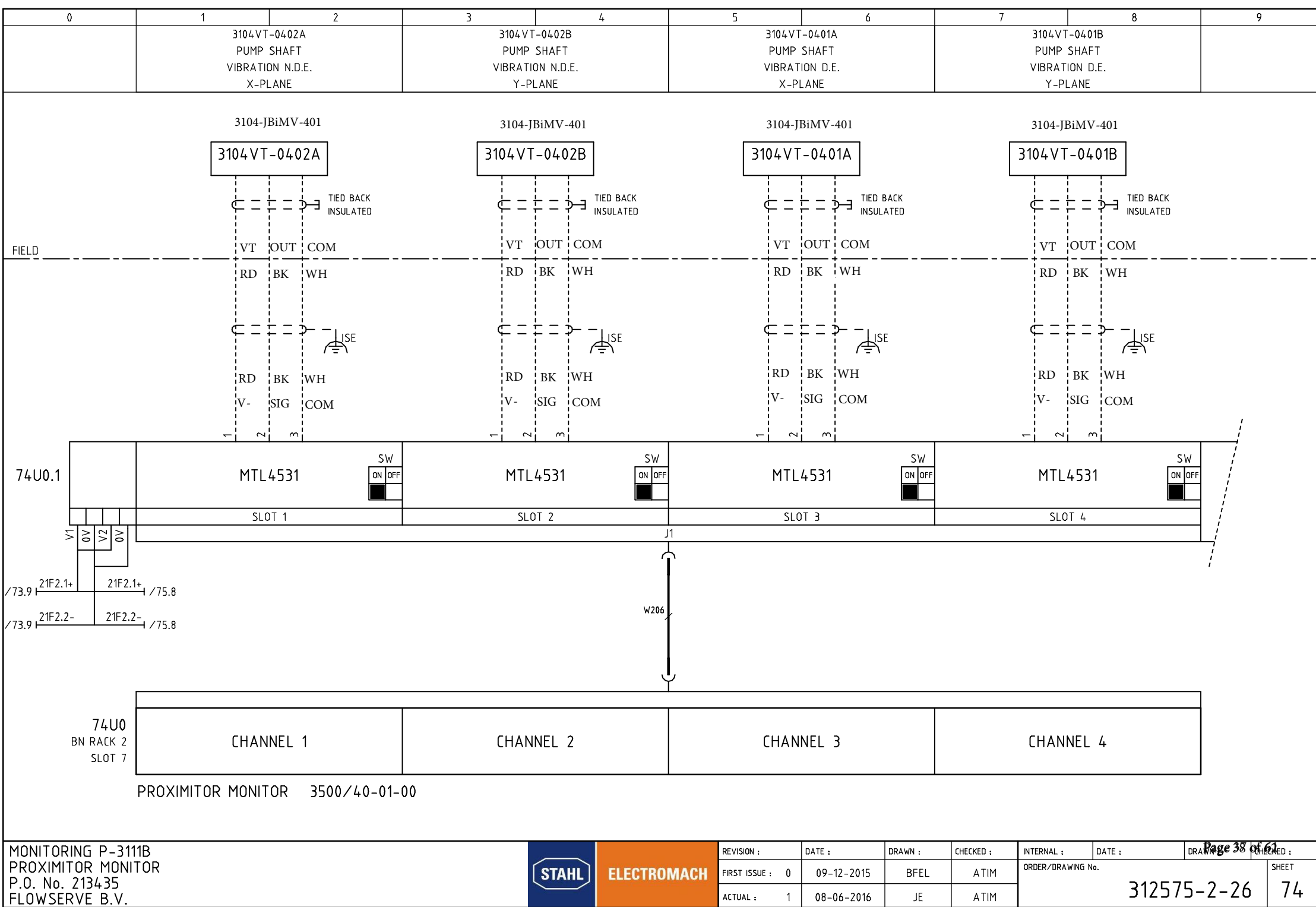
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Page 36 of 61



MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

V1

OV

V2

OV

21F2.1+

21F2.1+

73.9

75.8

21F2.2-

21F2.2-

73.9

75.8

J1

W206

MONITORING P-3111B

PROXIMITOR MONITOR

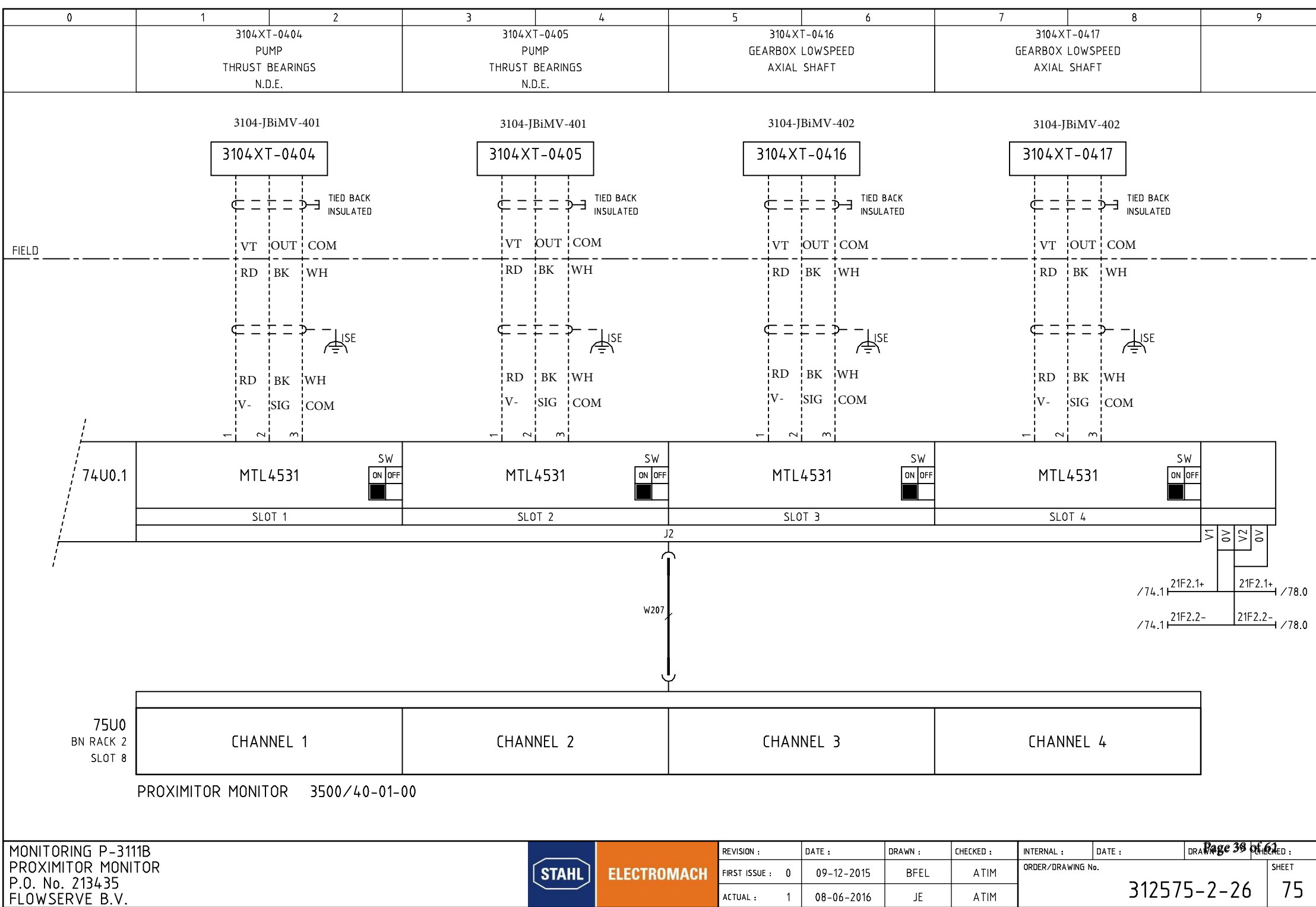
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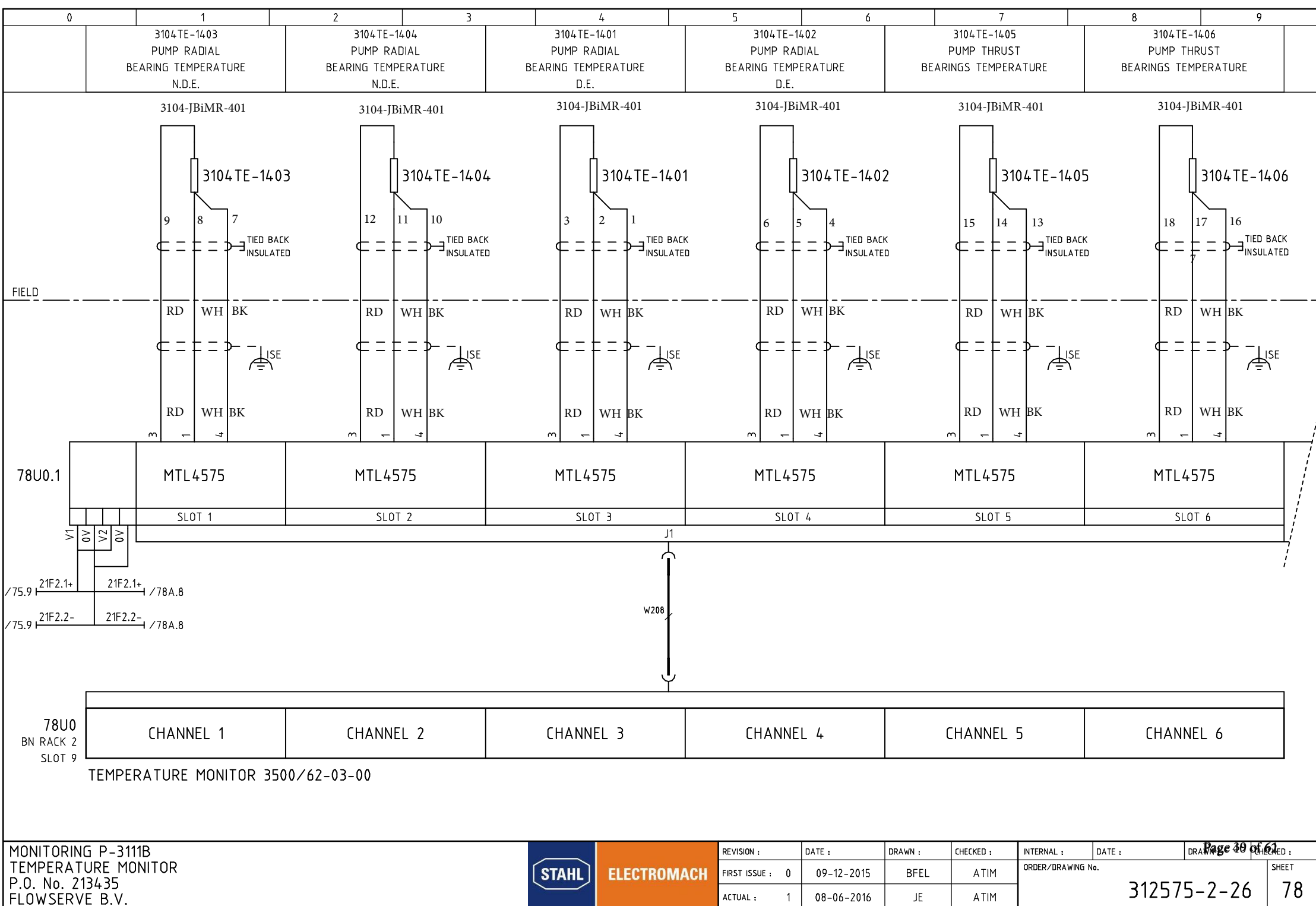
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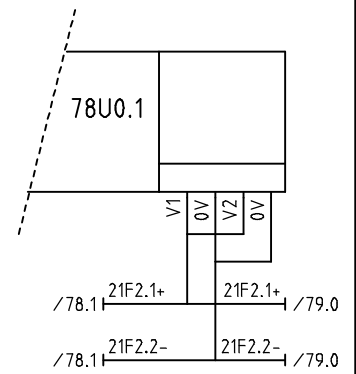
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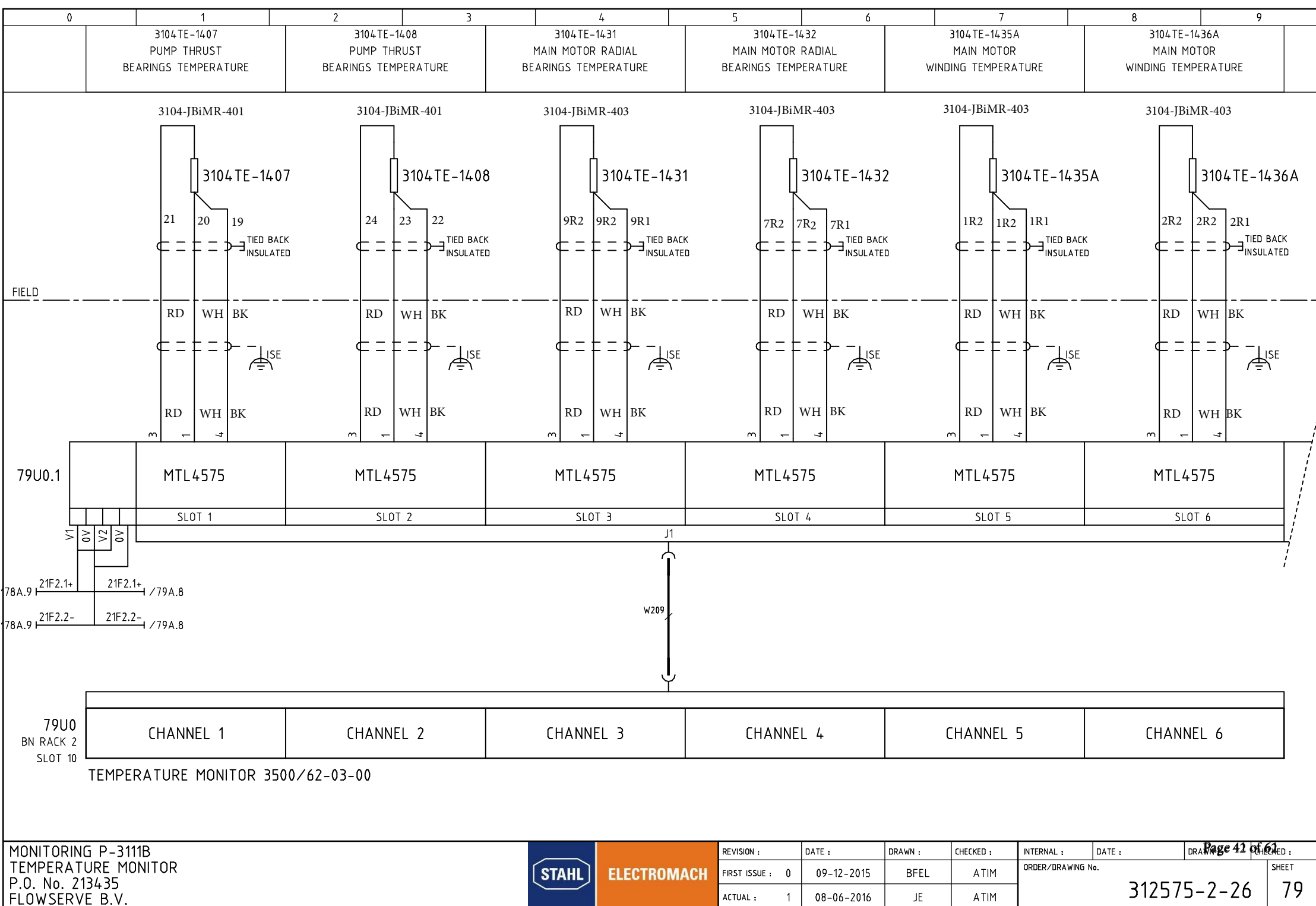
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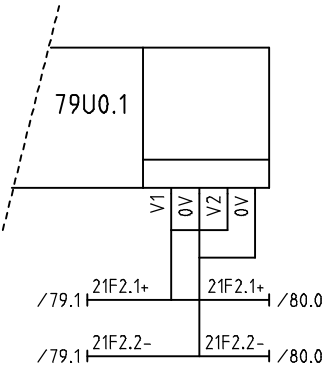


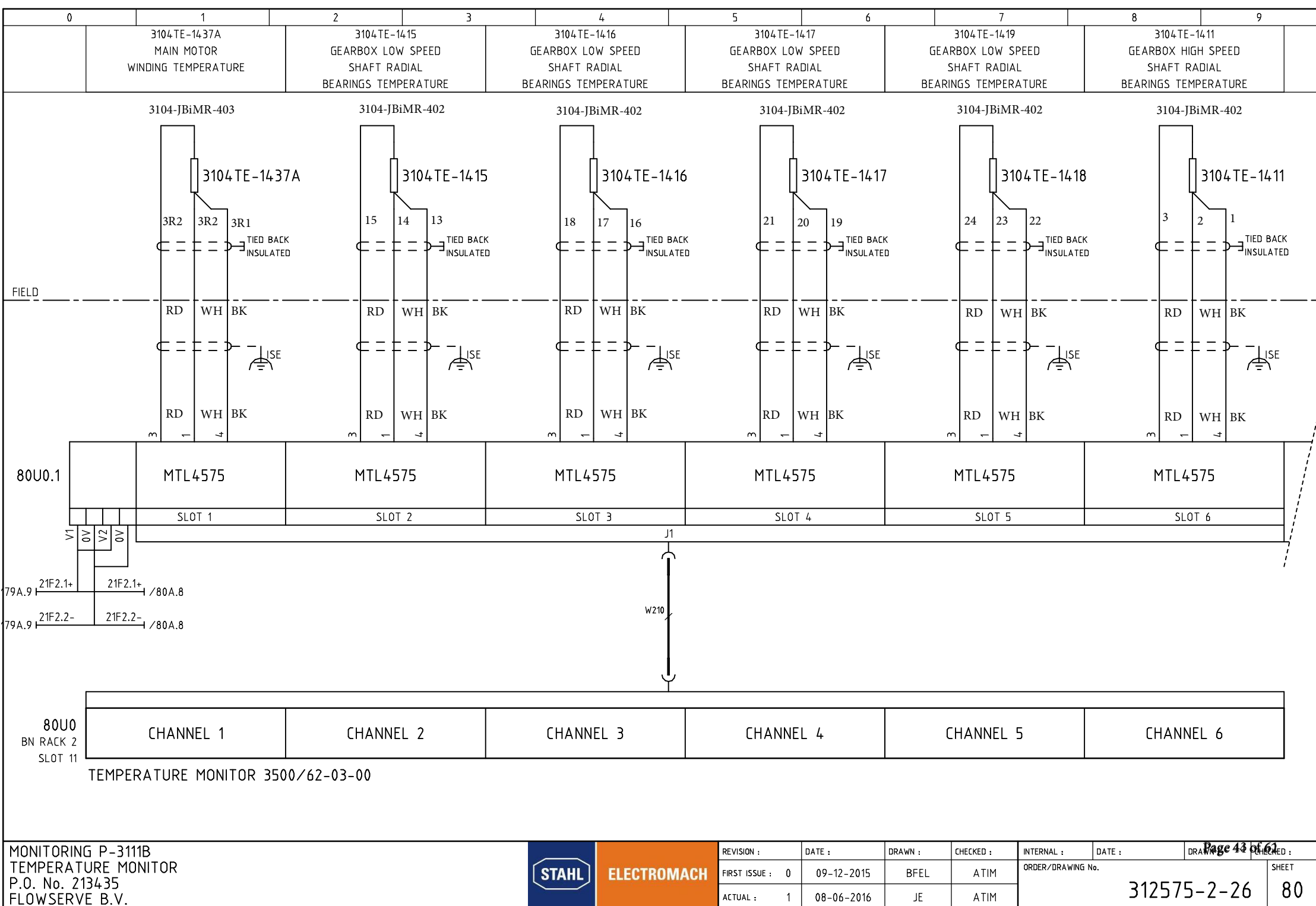
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0	1	2	3	4	5	6	7	8	9





80U0.1

MTL4575

MTL4575

MTL4575

MTL4575

MTL4575

MTL4575

SLOT 1

SLOT 2

SLOT 3

SLOT 4

SLOT 5

SLOT 6

V1 0V V2 0V

21F2.1+ 21F2.1+ /80A.8

21F2.2- 21F2.2- /80A.8

J1

W210

80U0

BN RACK 2

SLOT 11

CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

CHANNEL 5

CHANNEL 6

TEMPERATURE MONITOR 3500/62-03-00

MONITORING P-3111B

TEMPERATURE MONITOR

P.O. No. 213435

FLOWERVE B.V.

STAHL

ELECTROMACH

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09-12-2015

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312575-2-26

SHEET

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ACTUAL :

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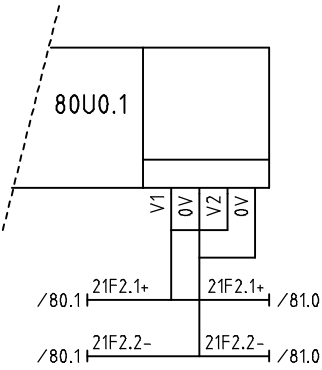
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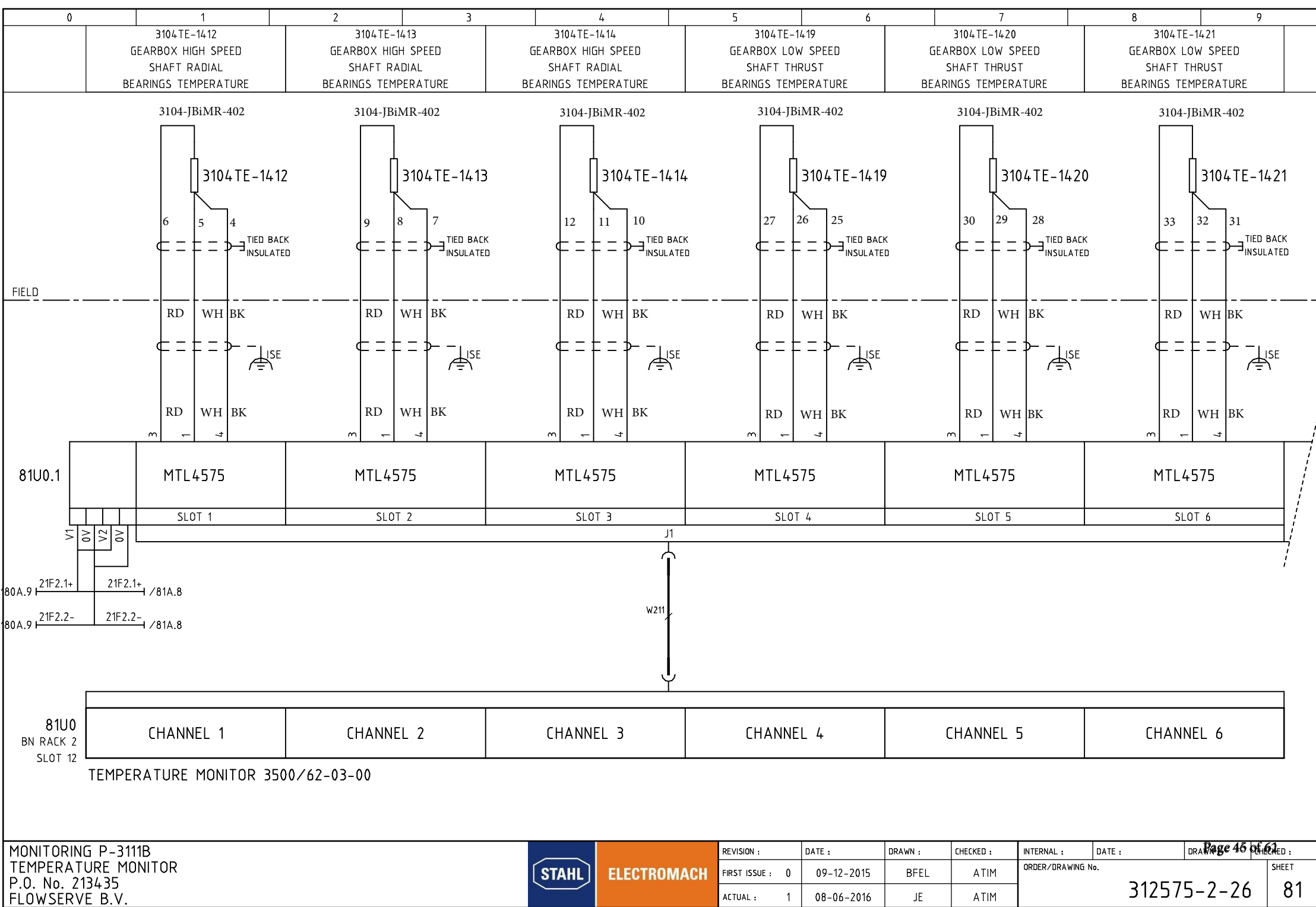
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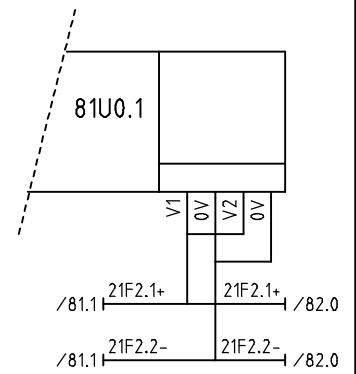
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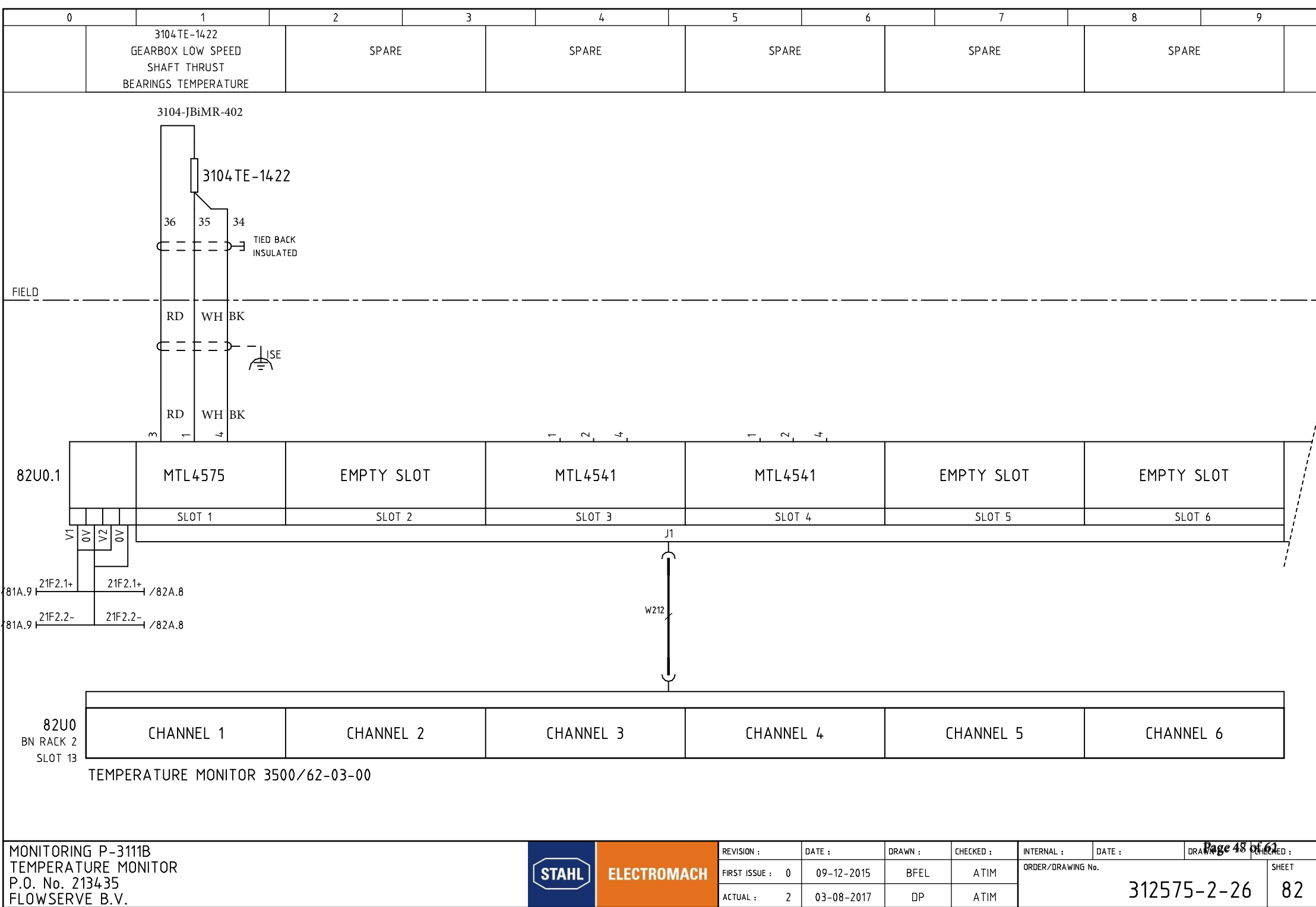
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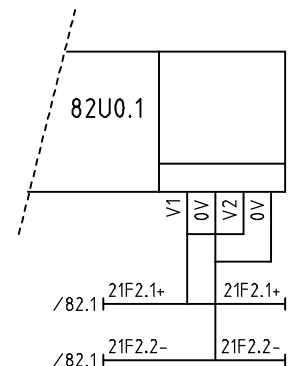


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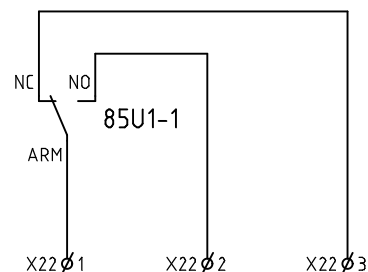
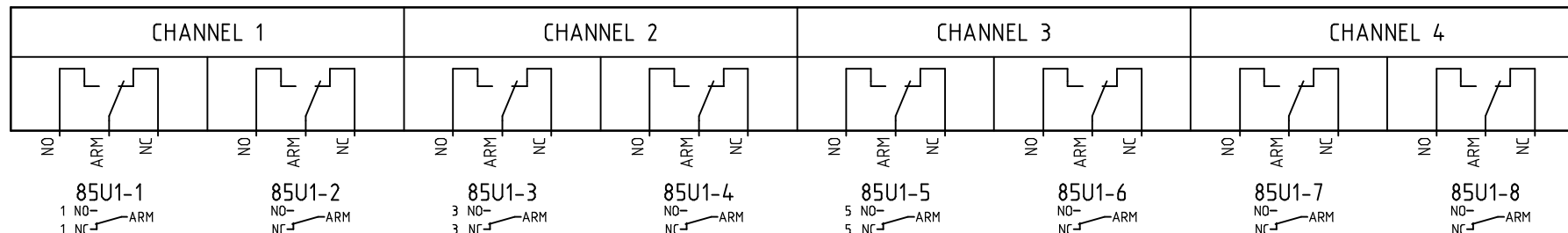
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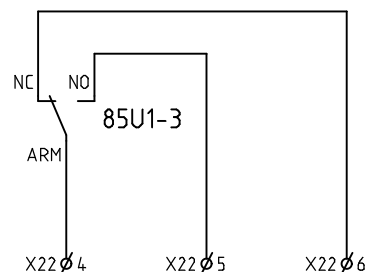
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	3104XS-0429 COMMON TRIP VIBRATION 3100Z-113B		3104XS-0430 COMMON TEMPERATURE MEASUREMENT 3100Z-113B		3104XS-0428 COMMON TRIP AXIAL DISPLACEMENT 3100Z-113B		SPARE		

RELAY MODULE 3500/32-01-00

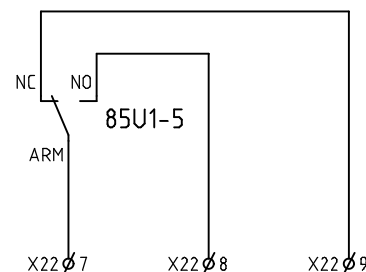
85U1
BN RACK 2
SLOT 14



3104XS-0429



3104XS-0430



3104XS-0428

0	1	2	3	4	5	6	7	8	9
	MODBUS TCP/IP				SPARE				

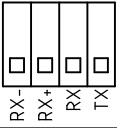
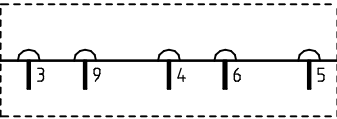
COMMUNICATION GATEWAY 3500/92-04-01-00

86U1
BN RACK 1
SLOT 15

ETHERNET
10/100 BASE-T
RJ-45
IP ADDRESS :
192.168.0.10

W213
BN RACK 2
/21.3

RS485
MODBUS



SLAVE
ADDRESS

[illegible]

TERMINAL ROW X-SPARE 1
MONITORING P-3111A
P.O. No. 213435
FLOWSERVE B.V.

ELECTROMACH

REVISION :	DATE :	DRAWN :	CHECKED :	INTERNAL :	DATE :	DRAWN :	CHECKED :
FIRST ISSUE : 0	09-12-2015	BFEL	ATIM	ORDER/DRAWING No.			
ACTUAL : 0				312575-2-26			
				SHEET 111			

