




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-000057
Document Title:	Local Panel Connection / Wiring Diagrams P-3101 A/B
Supplier Document Number:	ETL150044-045-81260-01
Equipment / Tag No('s):	P-3101A/B
SDR Code(s):	K10-D26

CB&I		
Hydrocracker Complex (183700)		
Engineering Review Status	By:	
Code 1 - No Comments	JAKUB.SVOBOD	
	A	
	Date: 16.04.2018	
<small>These comments do not relieve the supplier of his responsibility to meet the requirements of the PO.</small>		

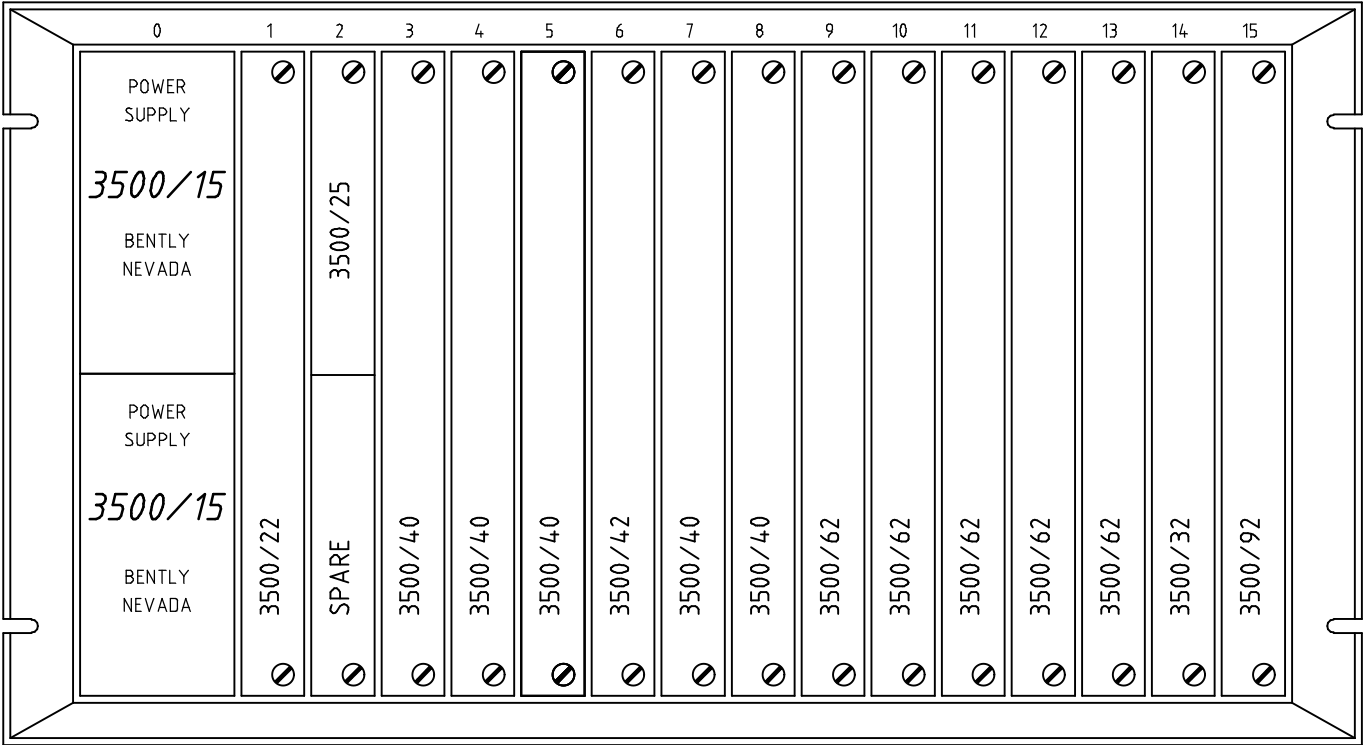
Supplier's Issue Record

Supplier Document Revision Indicator	Issue Date	Description	By	Checked	Approved
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	28/Nov/2016	For Review	Enkhuizen , Patrick van	Enkhuizen , Patrick van	Enkhuizen , Patrick van
01	28/Jun/2016	For Review	Enkhuizen , Patrick van	Enkhuizen , Patrick van	Enkhuizen , Patrick van
0	22/Jan/2016	For Review	Enkhuizen , Patrick van	Enkhuizen , Patrick van	Kop, John

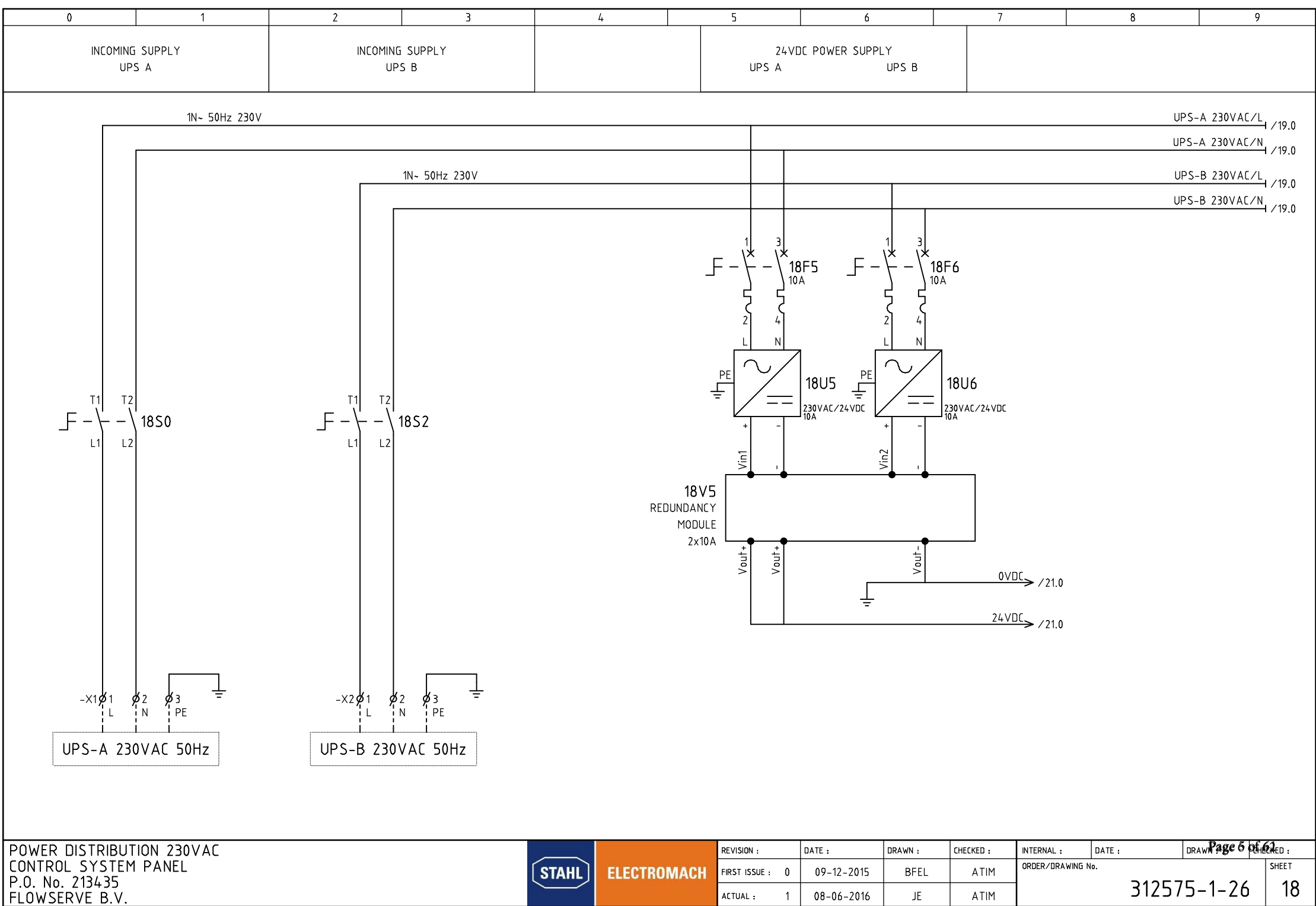
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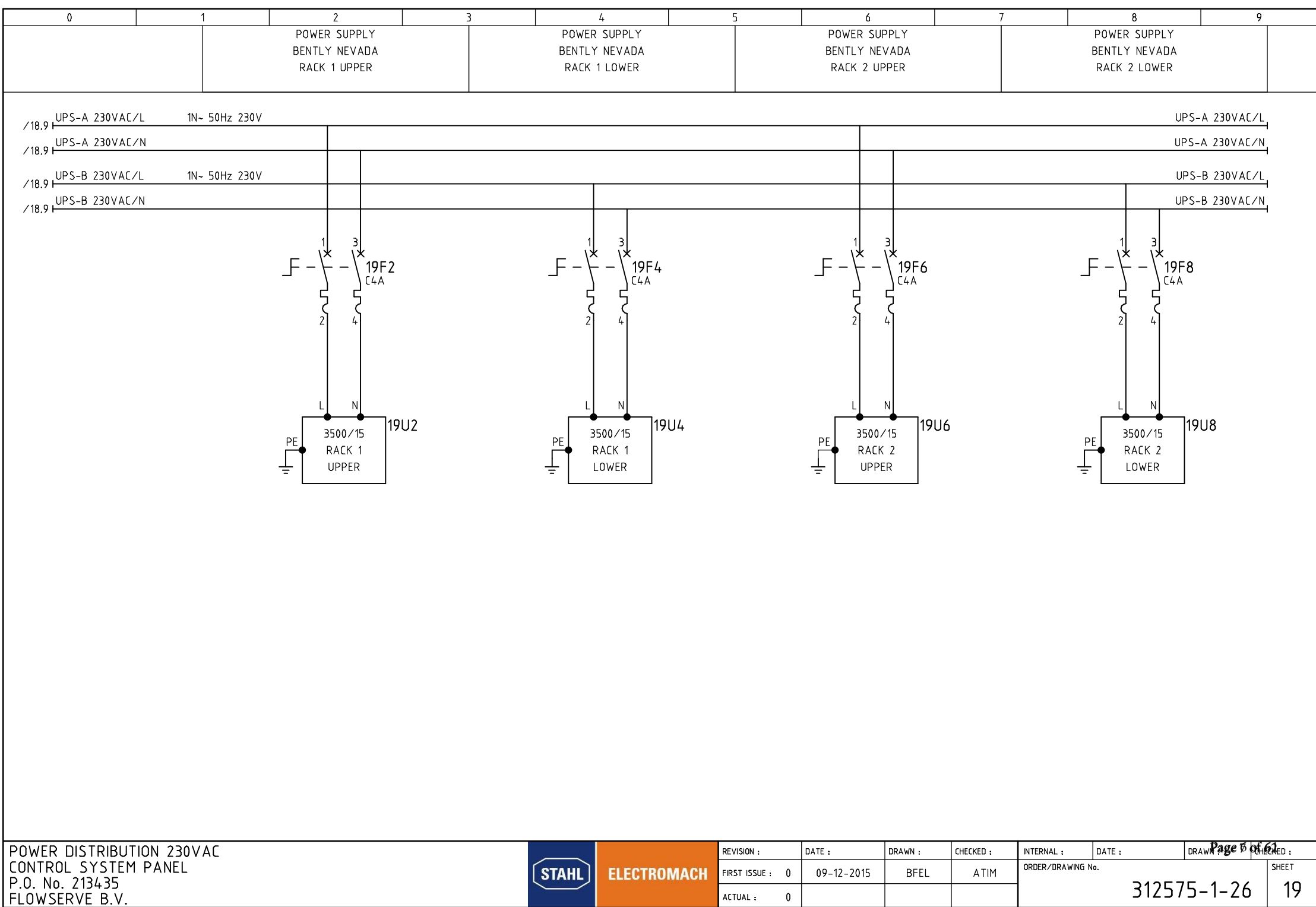
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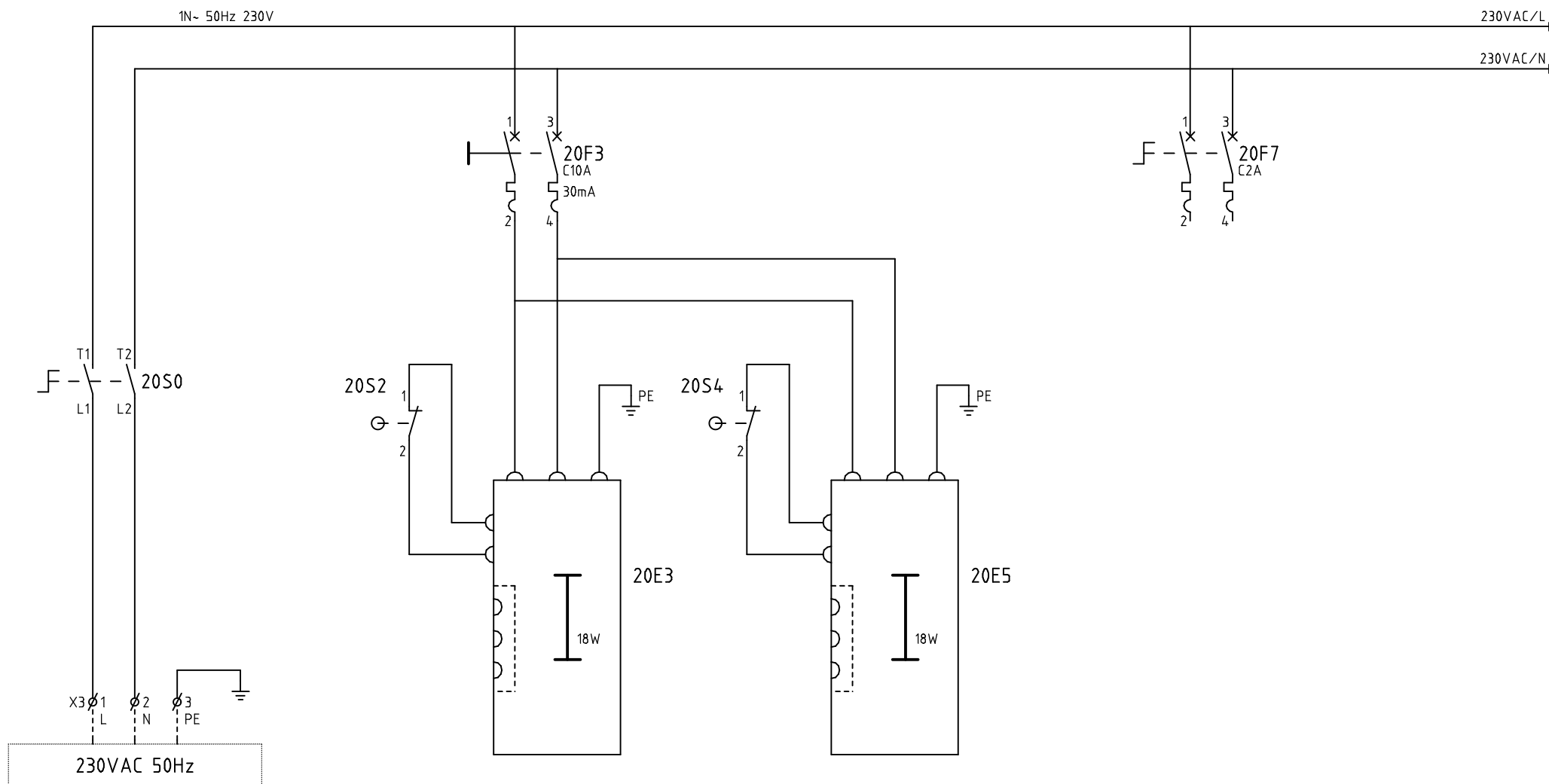


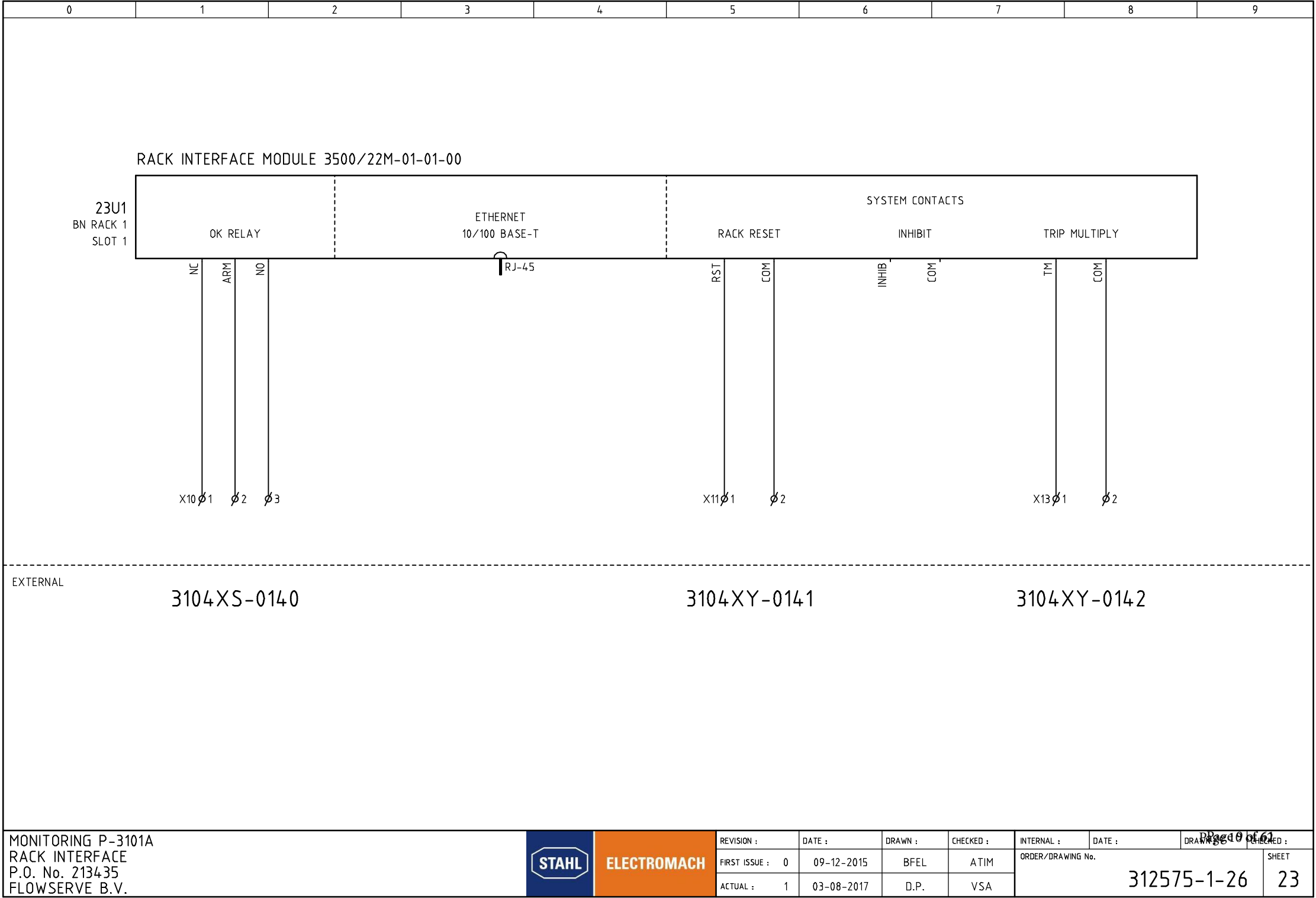
RACK 2
FOR P-3101B

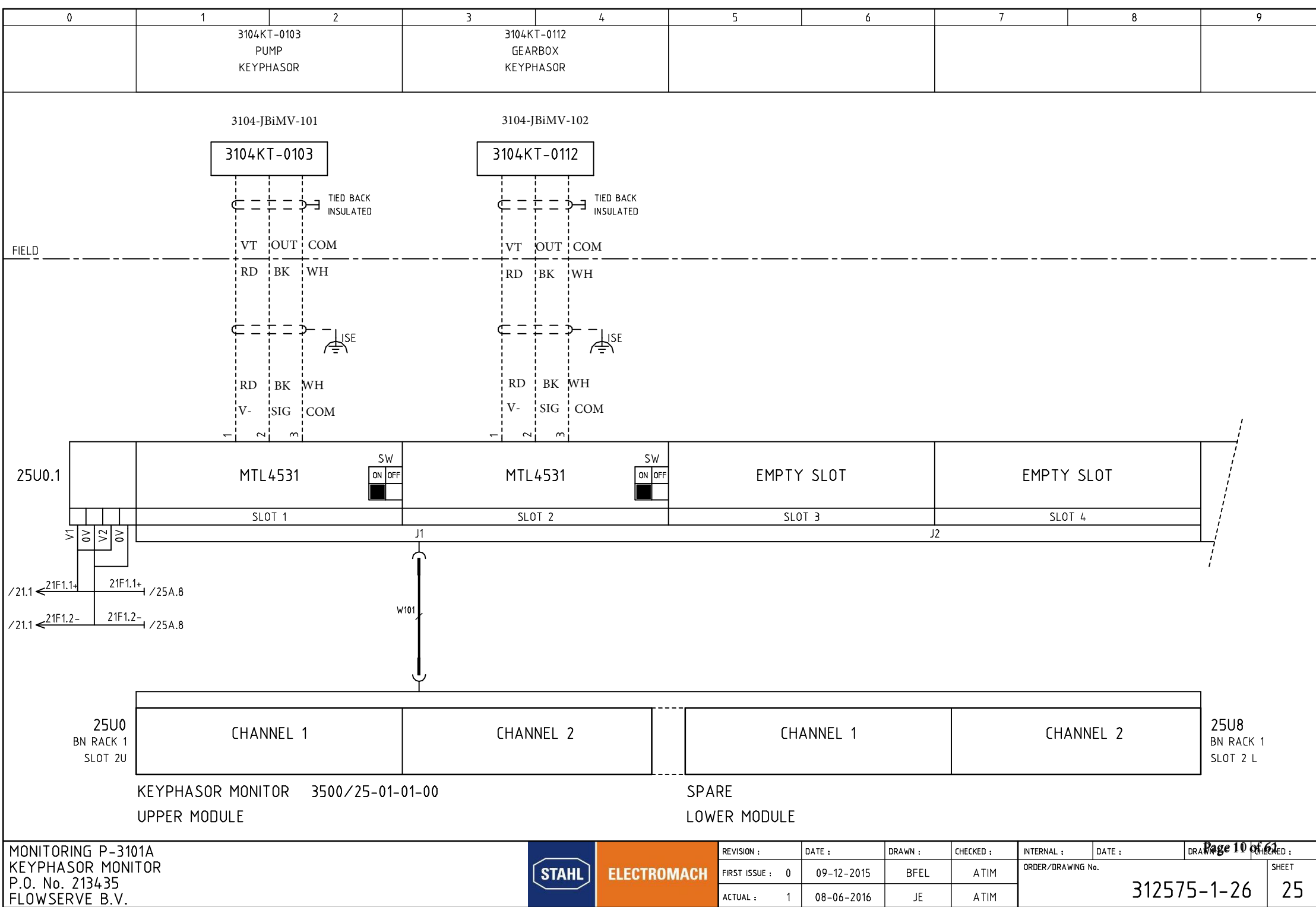




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	INCOMING SUPPLY UTILITY FEEDER		PANEL LIGHTING + UTILITY SOCKET				SPARE		







MONITORING P-3101A

KEYPHASOR MONITOR

P.O. No. 213435

FLOWERVE B.V.

STAHL

ELECTROMACH

REVISION :

DATE :

DRAWN :

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DATE :

DRAWN :

CHECKED :

FIRST ISSUE : 0

09-12-2015

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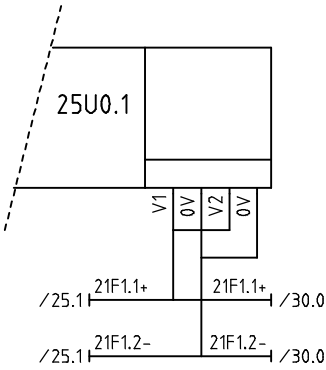
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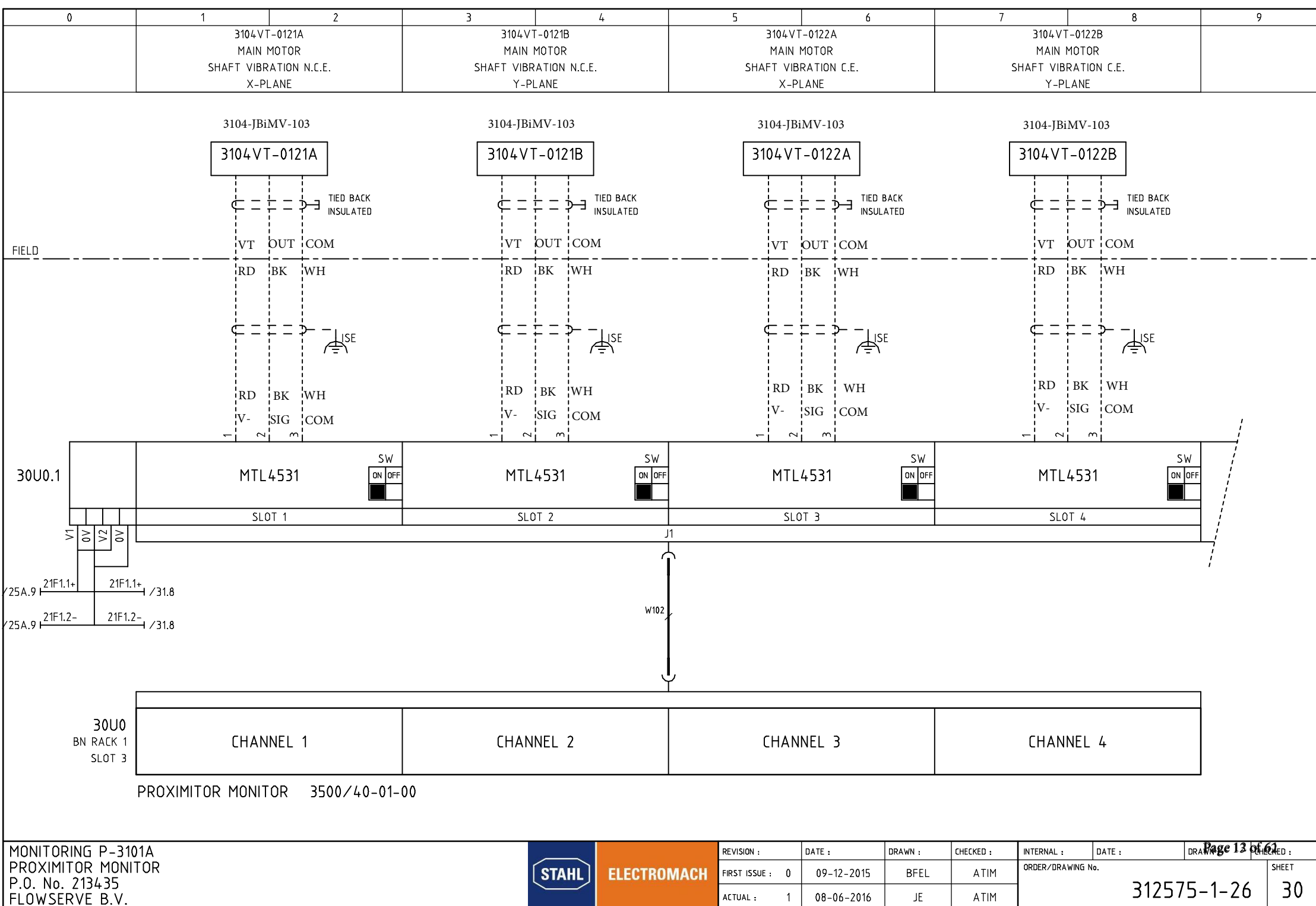
SHEET

25

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MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

J1

W102

30U0

BN RACK 1

SLOT 3

CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00

MONITORING P-3101A

PROXIMITOR MONITOR

P.O. No. 213435

FLOWERVE B.V.

STAH

ELECTROMACH

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DATE :

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DATE :

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FIRST ISSUE : 0

09-12-2015

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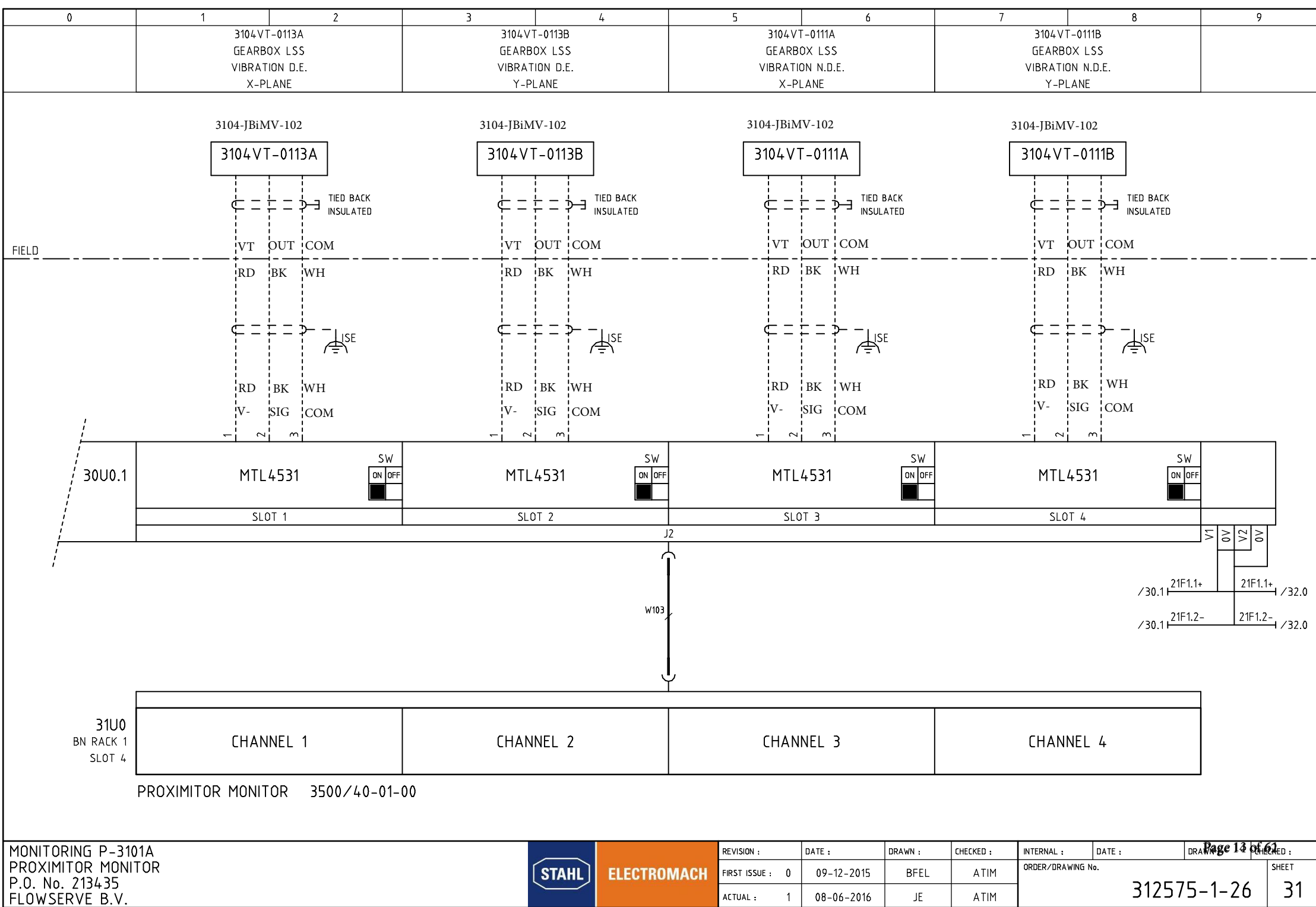
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ORDER/DRAWING No.

312575-1-26

SHEET

30



MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

J2

W103

V1

0V

V2

0V

/30.1

21F1.1+

21F1.1+

/32.0

/30.1

21F1.2-

21F1.2-

/32.0

31U0

BN RACK 1

SLOT 4

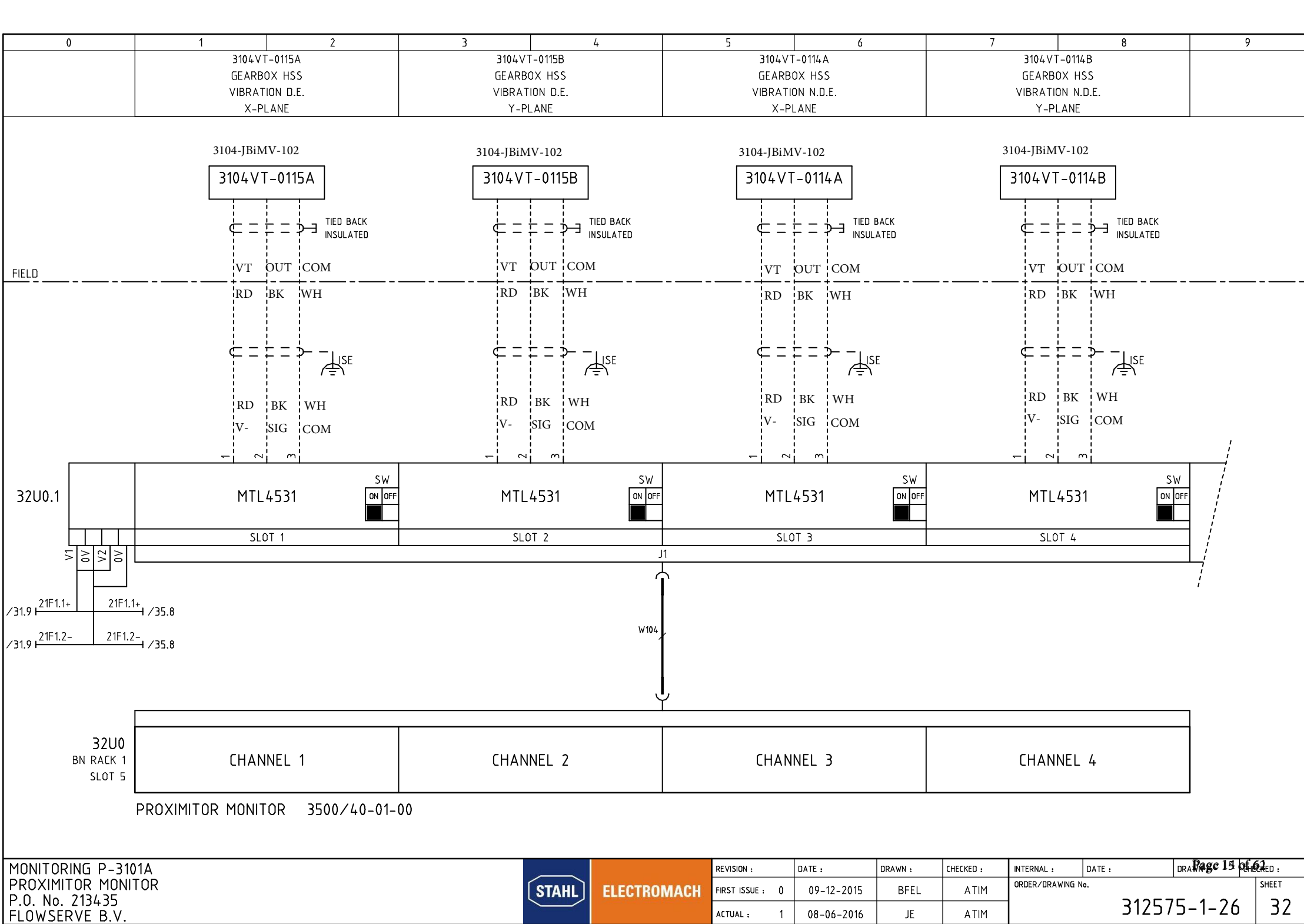
CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00



MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

J1

W104

32U0

BN RACK 1

SLOT 5

CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00

MONITORING P-3101A

PROXIMITOR MONITOR

P.O. No. 213435

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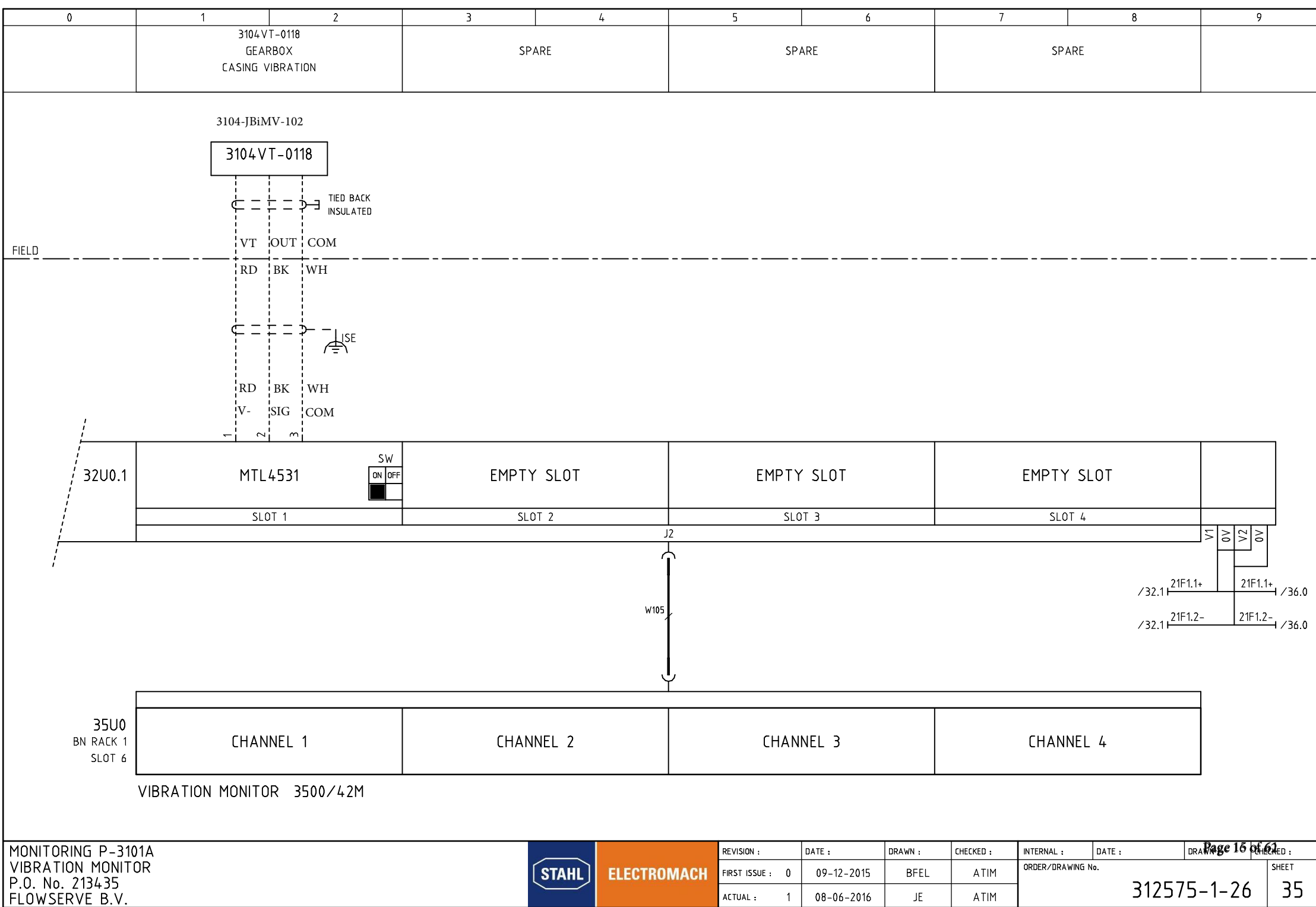
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ACTUAL : 1

08-06-2016

JE

ATIM



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P.O. No. 213435

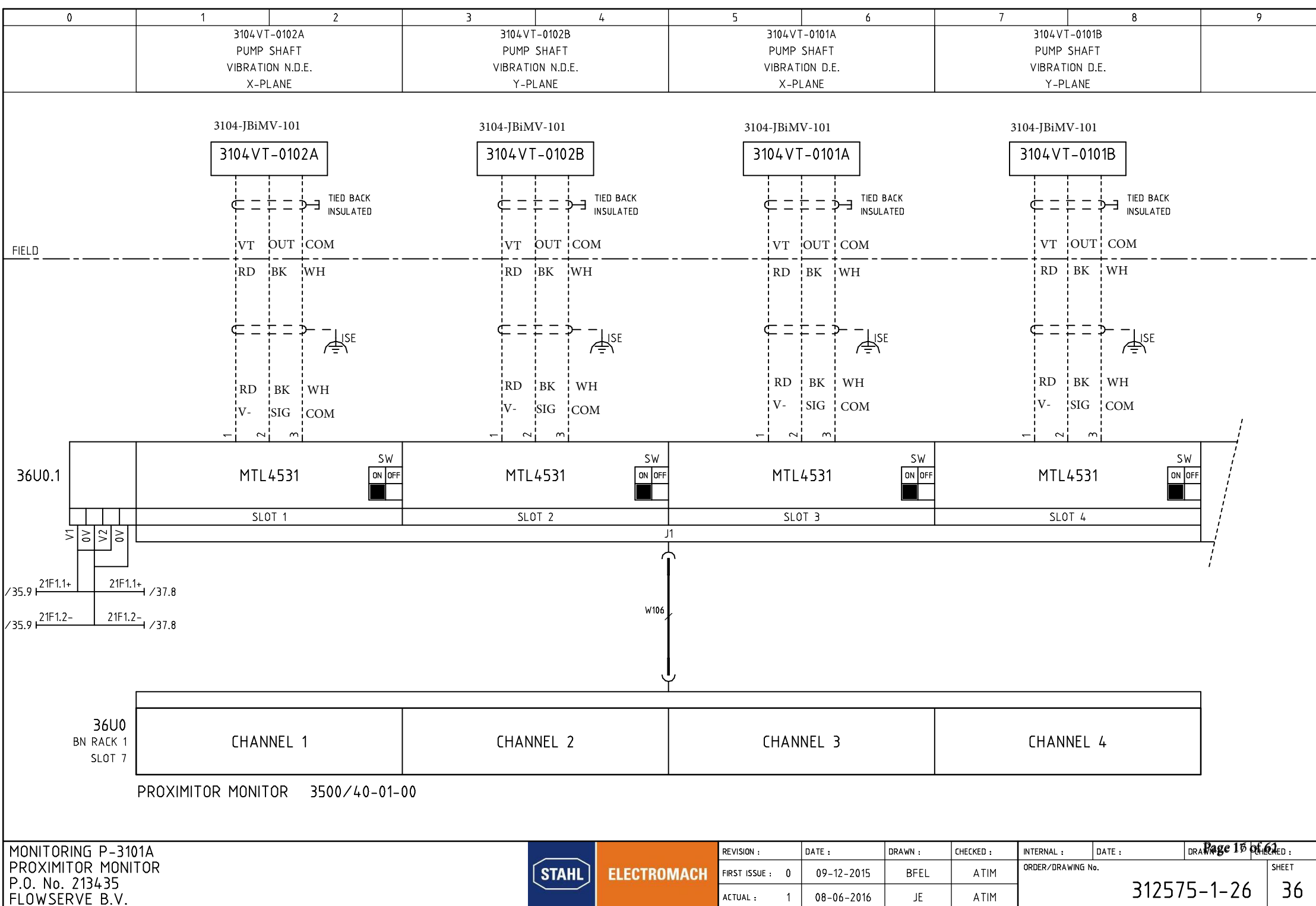
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FIRST ISSUE : 0	09-12-2015	BFEL	ATIM	ORDER/DRAWING No. 312575-1-26			
ACTUAL : 1	08-06-2016	JE	ATIM	SHEET 35			

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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-3101A

PROXIMITOR MONITOR

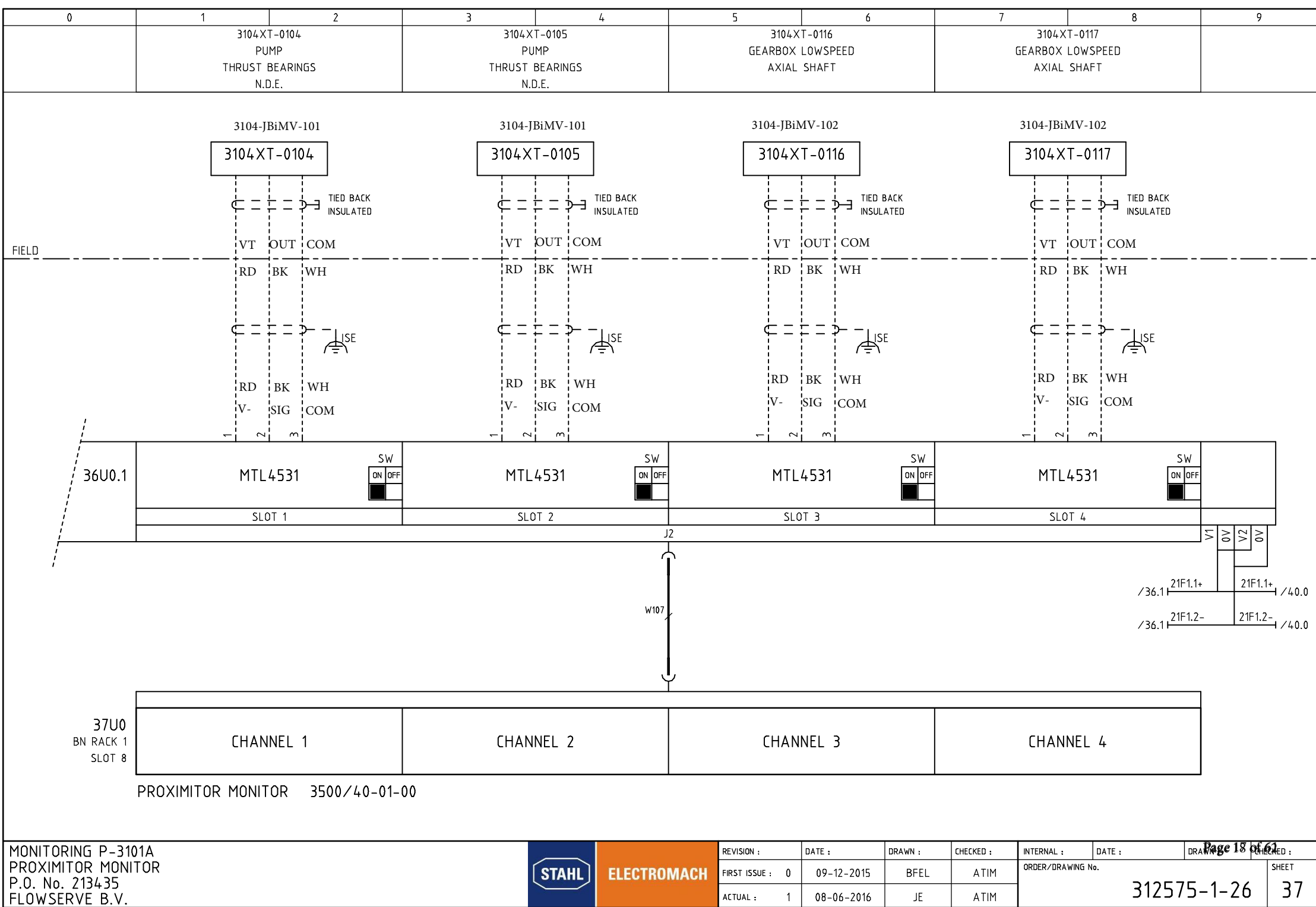
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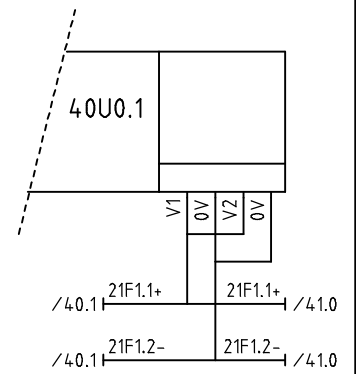
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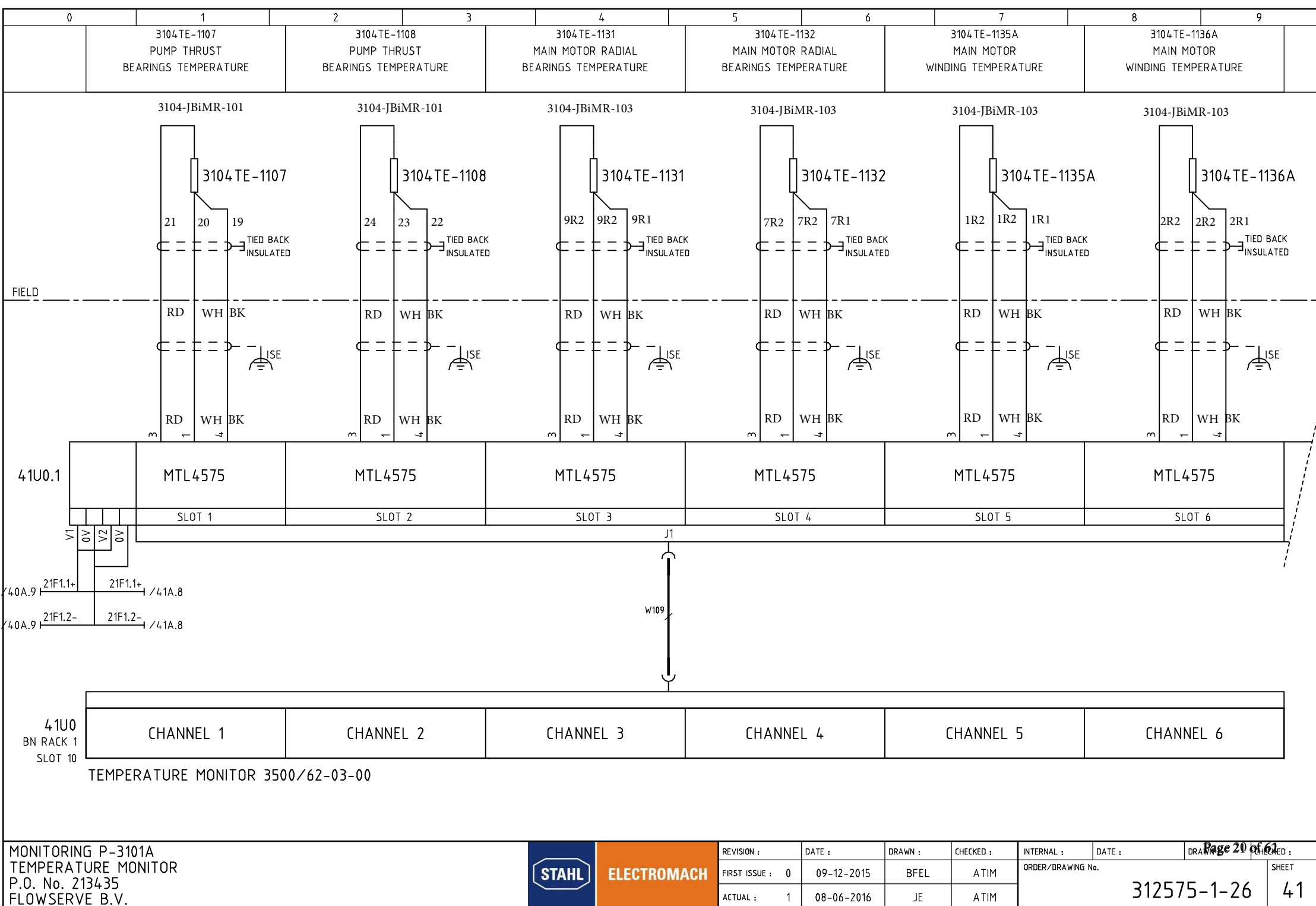
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MONITORING P-3101A

TEMPERATURE MONITOR

P.O. No. 213435

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FIRST ISSUE :

0

09-12-2015

BFEL

ATIM

ORDER/DRAWING No.

312575-1-26

SHEET

41

ACTUAL :

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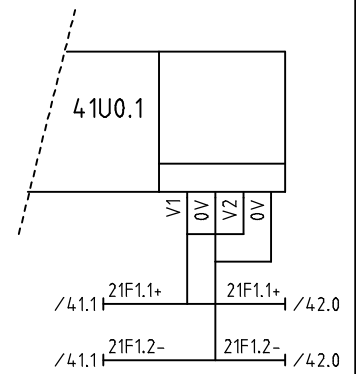
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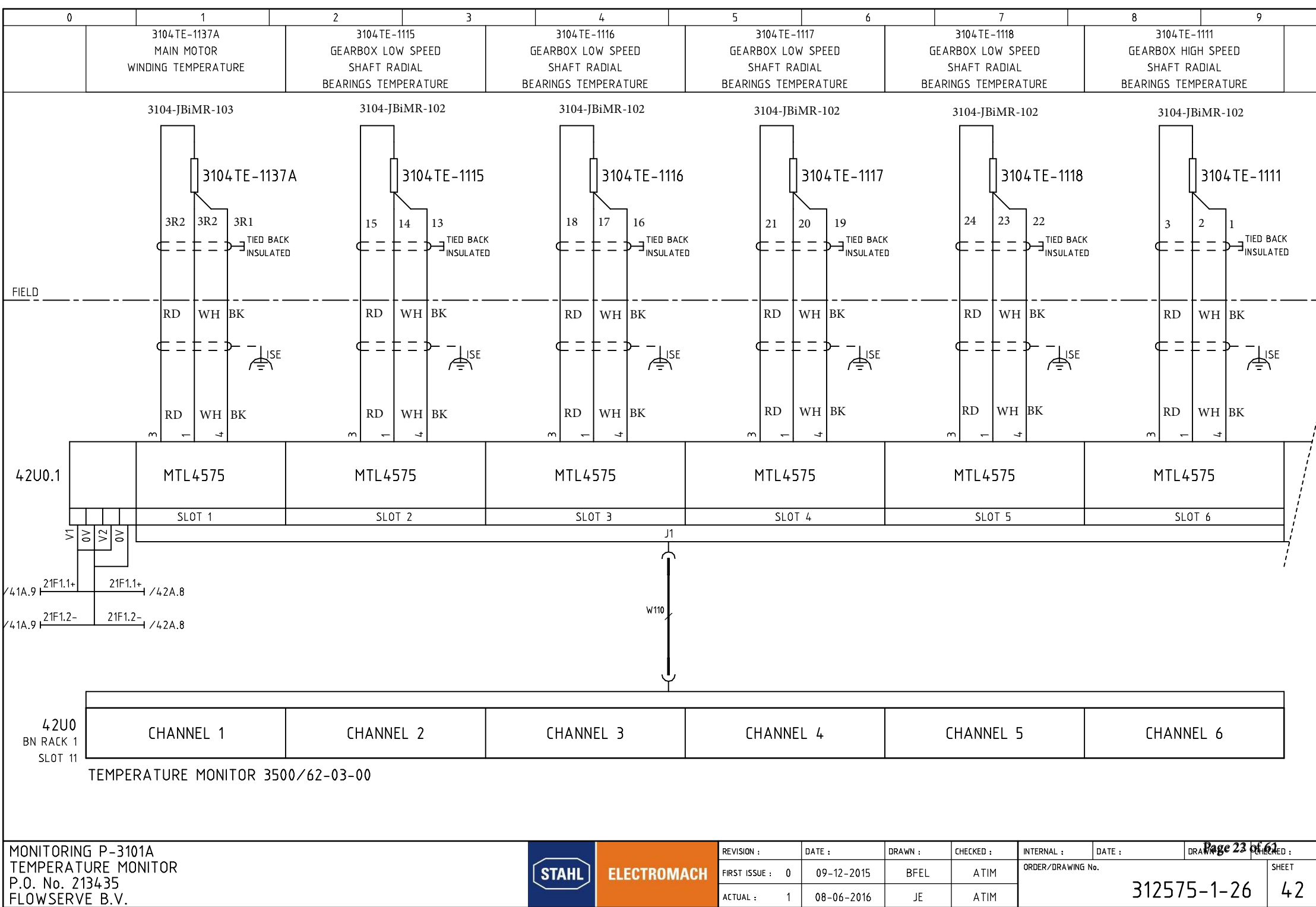
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ATIM

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42U0.1

MTL4575

MTL4575

MTL4575

MTL4575

MTL4575

MTL4575

SLOT 1

SLOT 2

SLOT 3

SLOT 4

SLOT 5

SLOT 6

V1 0V V2 0V

21F1.1+ 21F1.1+

21F1.2- 21F1.2-

41A.9 42A.8

41A.9 42A.8

J1

W110

42U0

BN RACK 1

SLOT 11

CHANNEL 1

CHANNEL 2

CHANNEL 3

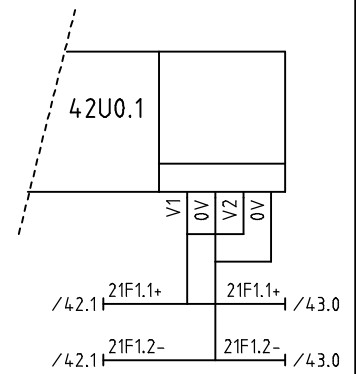
CHANNEL 4

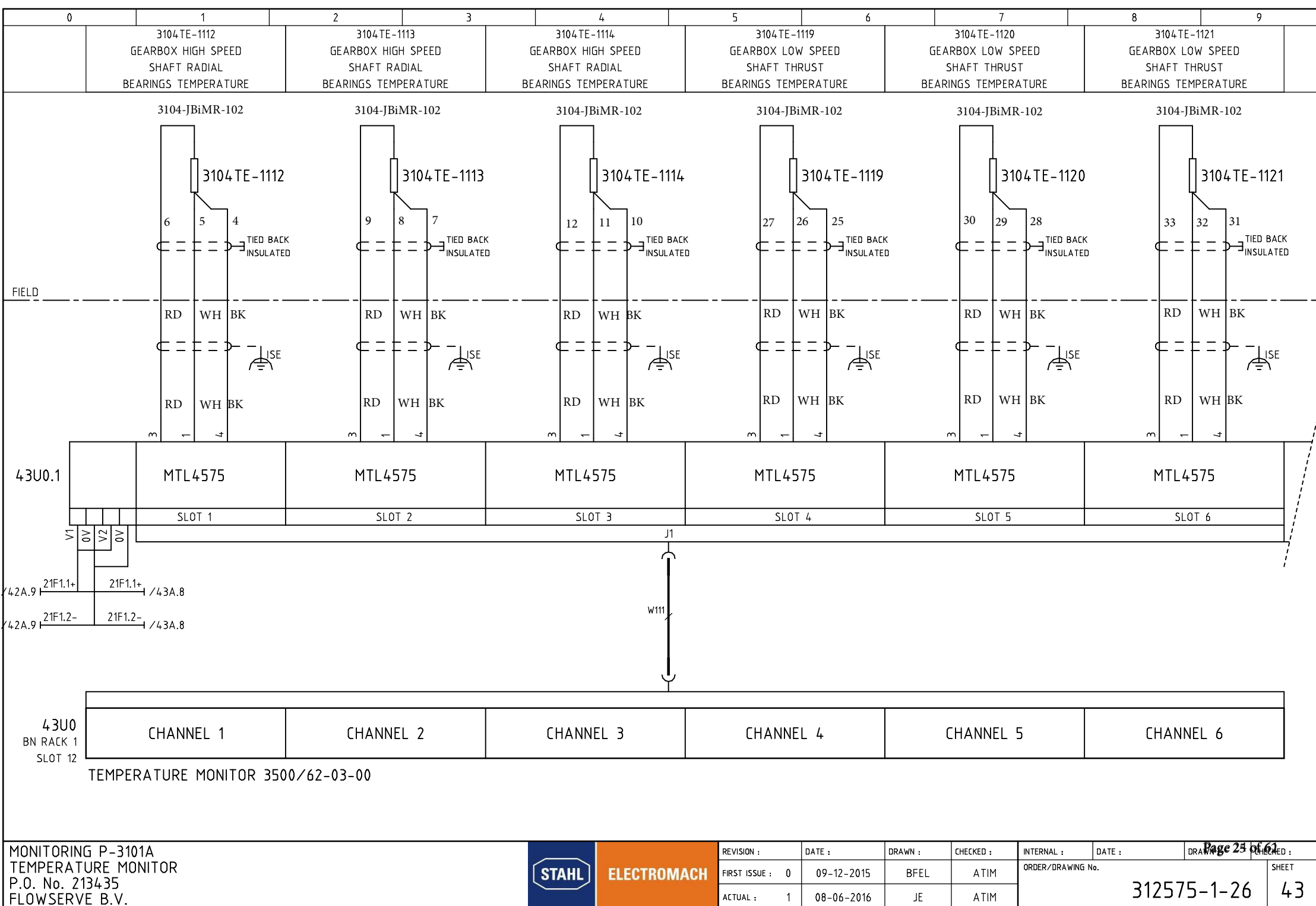
CHANNEL 5

CHANNEL 6

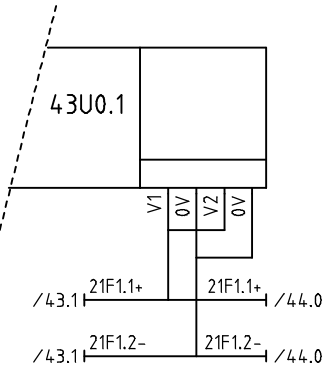
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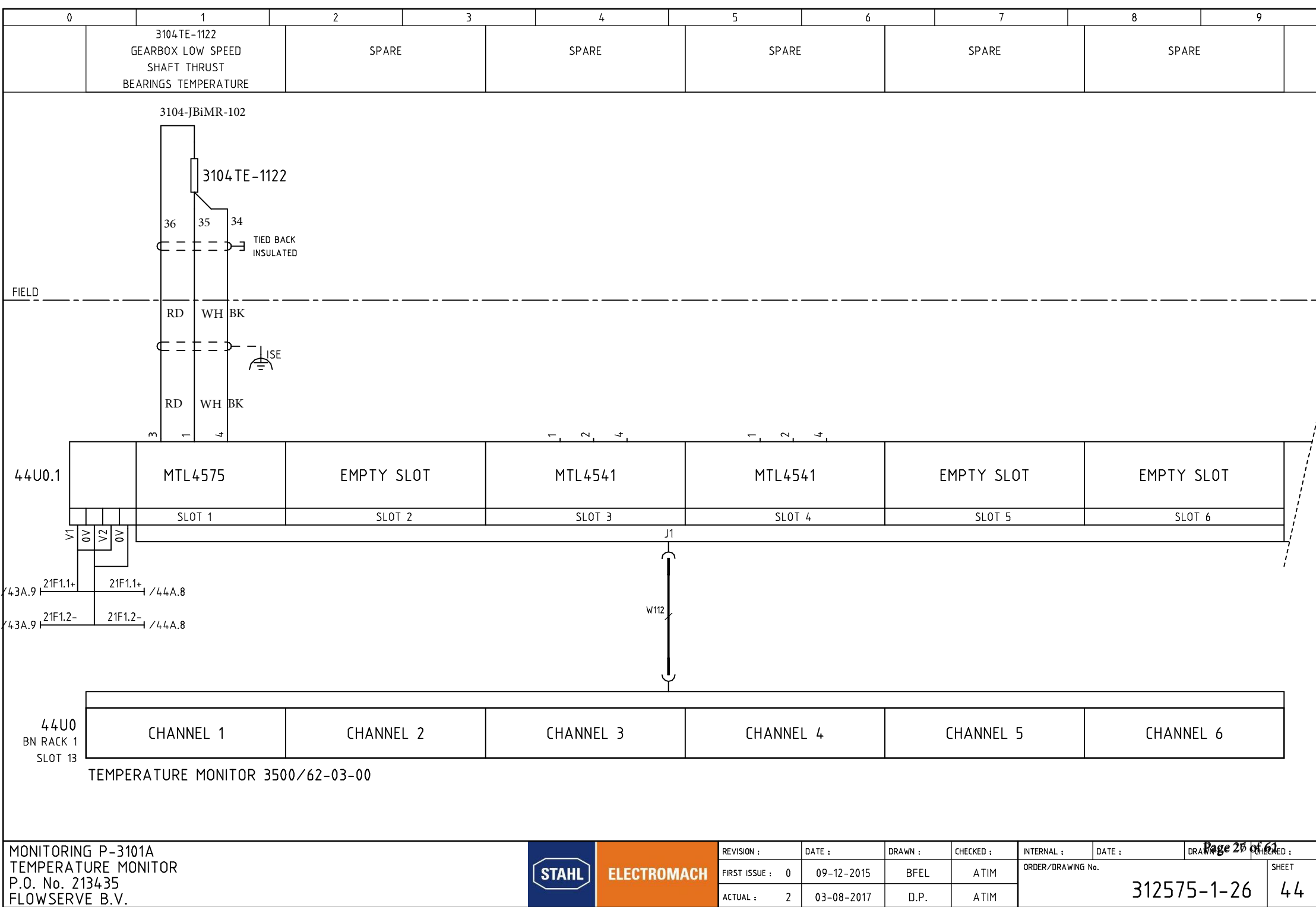
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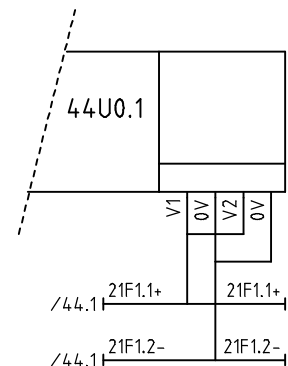


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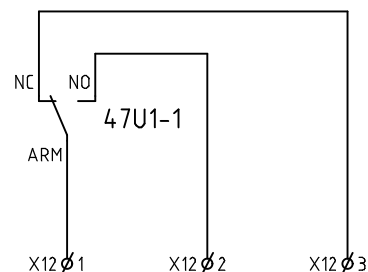
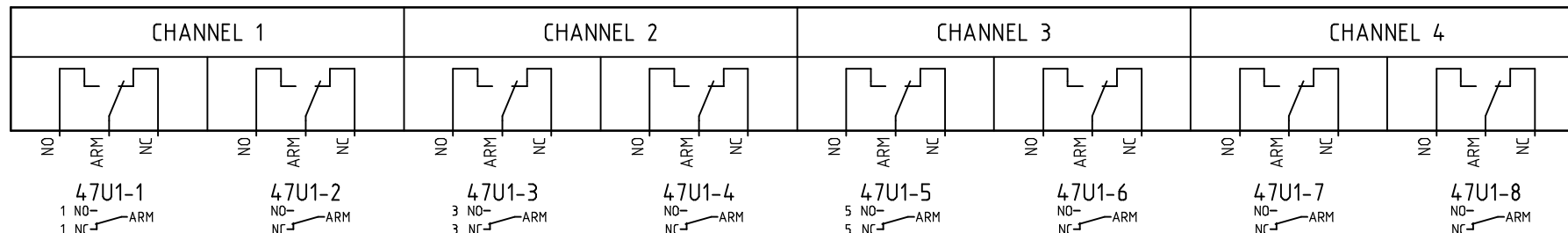
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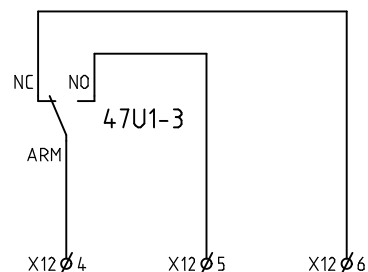
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	3104XS-0129 COMMON TRIP VIBRATION 3100Z-103A		3104XS-0130 COMMON TEMPERATURE MEASUREMENT 3100Z-103A		3104XS-0128 COMMON TRIP AXIAL DISPLACEMENT 3100Z-103A		SPARE		

RELAY MODULE 3500/32-01-00

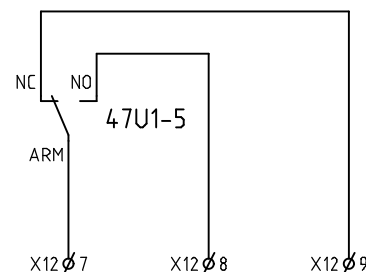
47U1
BN RACK 1
SLOT 14



3104XS-0129



3104XS-0130



3104XS-0128

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	MODBUS TCP/IP				SPARE				

COMMUNICATION GATEWAY 3500/92-04-01-00

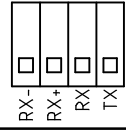
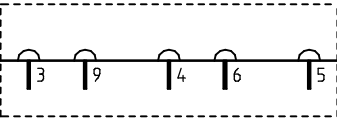
48U1
BN RACK 1
SLOT 15

ETHERNET
10/100 BASE-T
RJ-45
IP ADDRESS :
192.168.0.7

W113

BN
RACK 1
/21.2

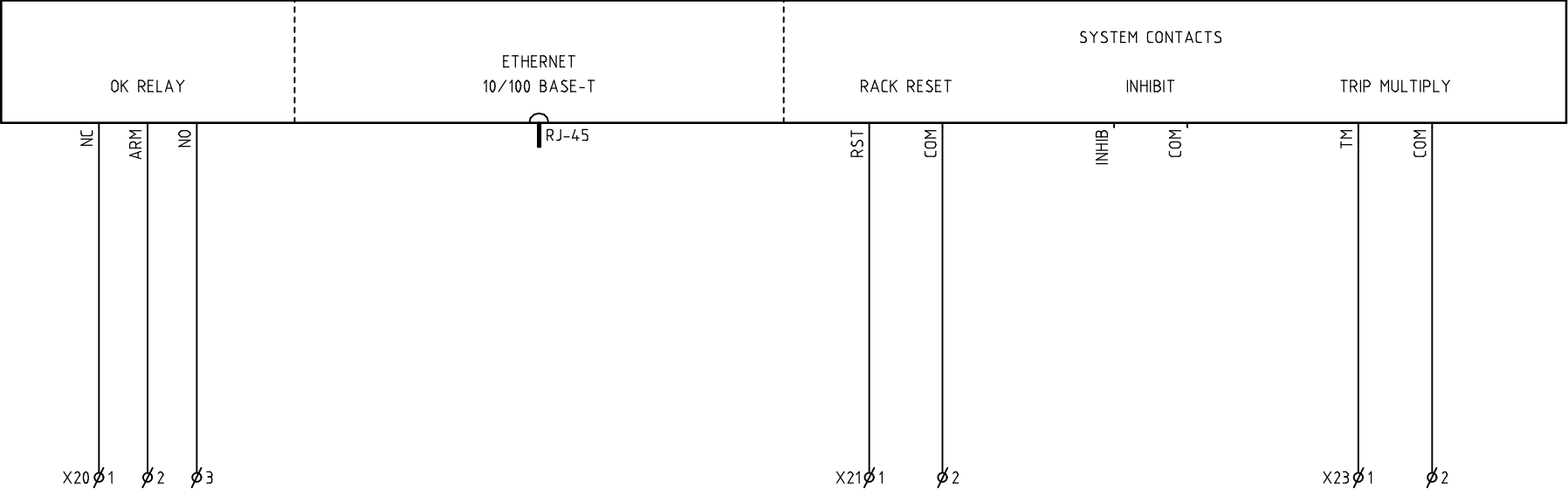
RS485
MODBUS



SLAVE
ADDRESS

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

60U1
BN RACK 2
SLOT 1

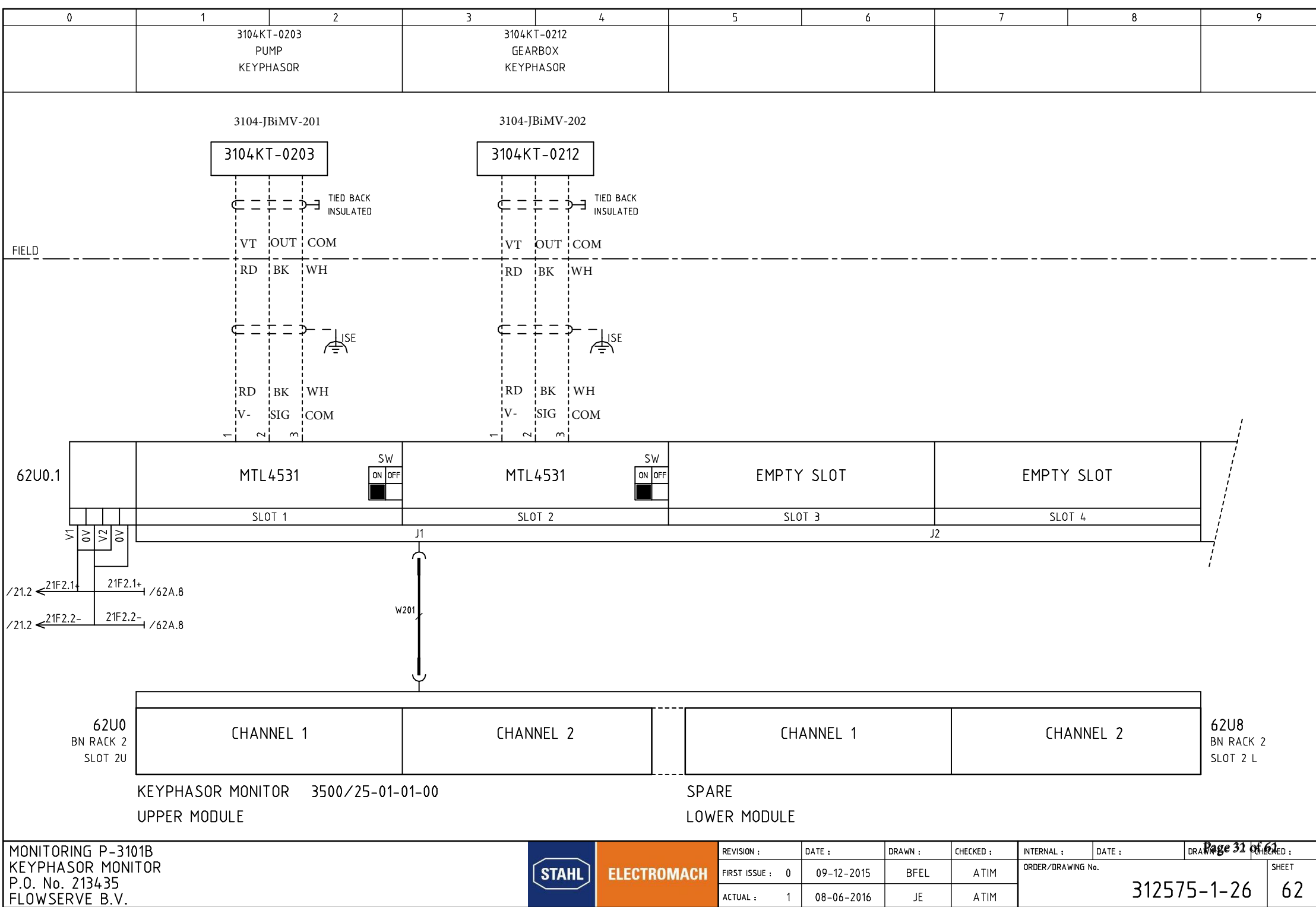


EXTERNAL

3104XS-0240

3104XY-0241

3104XY-0242



V1

0V

V2

0V

21F2.1+

21F2.2+

21F2.1-

21F2.2-

62A.8

62A.8

J1

J2

W201

62U0

BN RACK 2

SLOT 2U

CHANNEL 1

CHANNEL 2

CHANNEL 1

CHANNEL 2

62U8

BN RACK 2

SLOT 2 L

KEYPHASOR MONITOR

3500/25-01-01-00

SPARE

UPPER MODULE

LOWER MODULE

MONITORING P-3101B

KEYPHASOR MONITOR

P.O. No. 213435

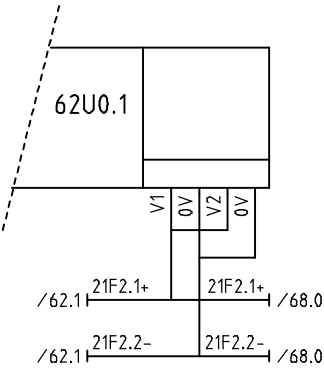
FLOWERVE B.V.

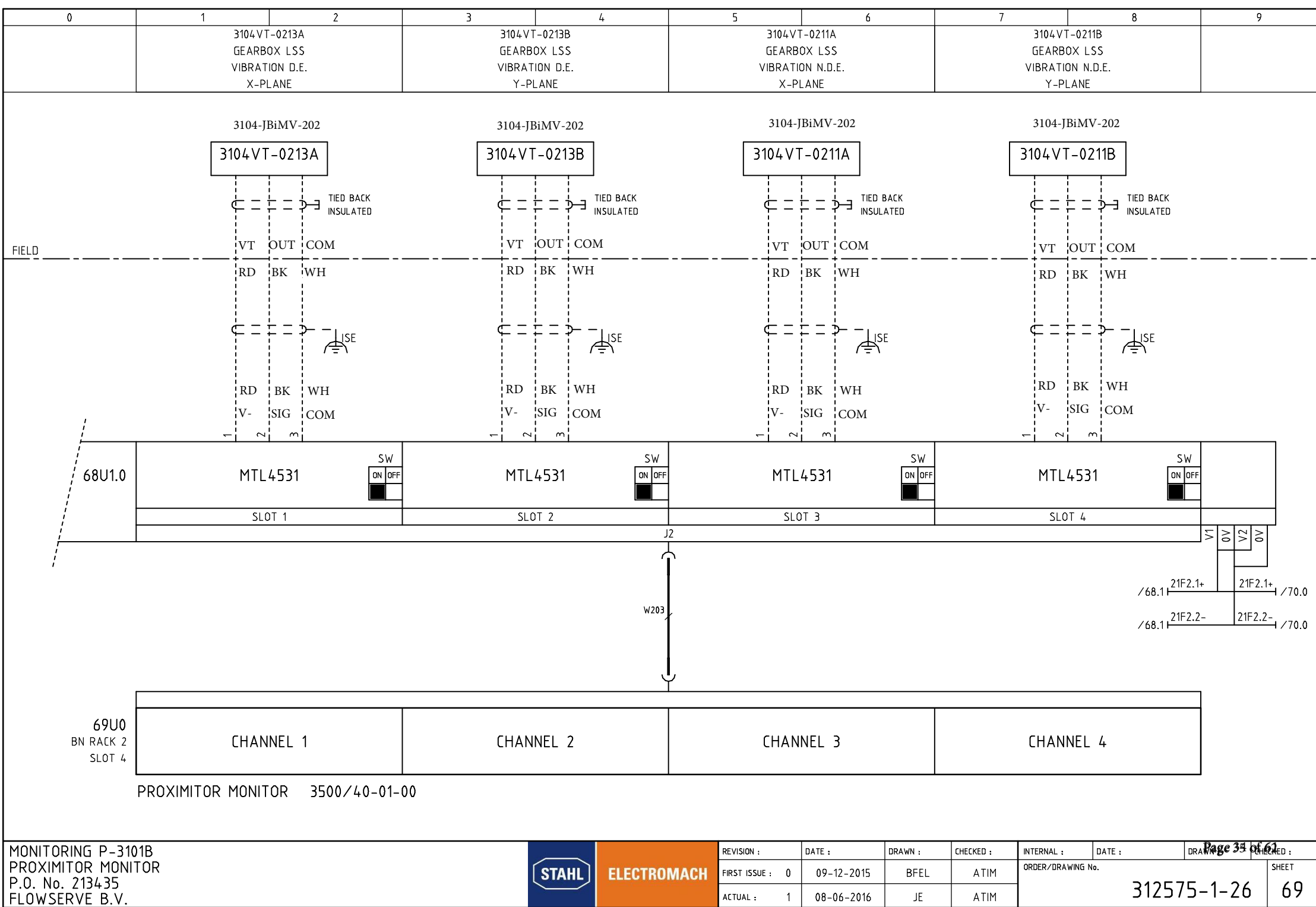
STAHL

ELECTROMACH

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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

/68.1

21F2.1+

21F2.2-

/68.1

21F2.1+

21F2.2-

/70.0

69U0

BN RACK 2

SLOT 4

CHANNEL 1

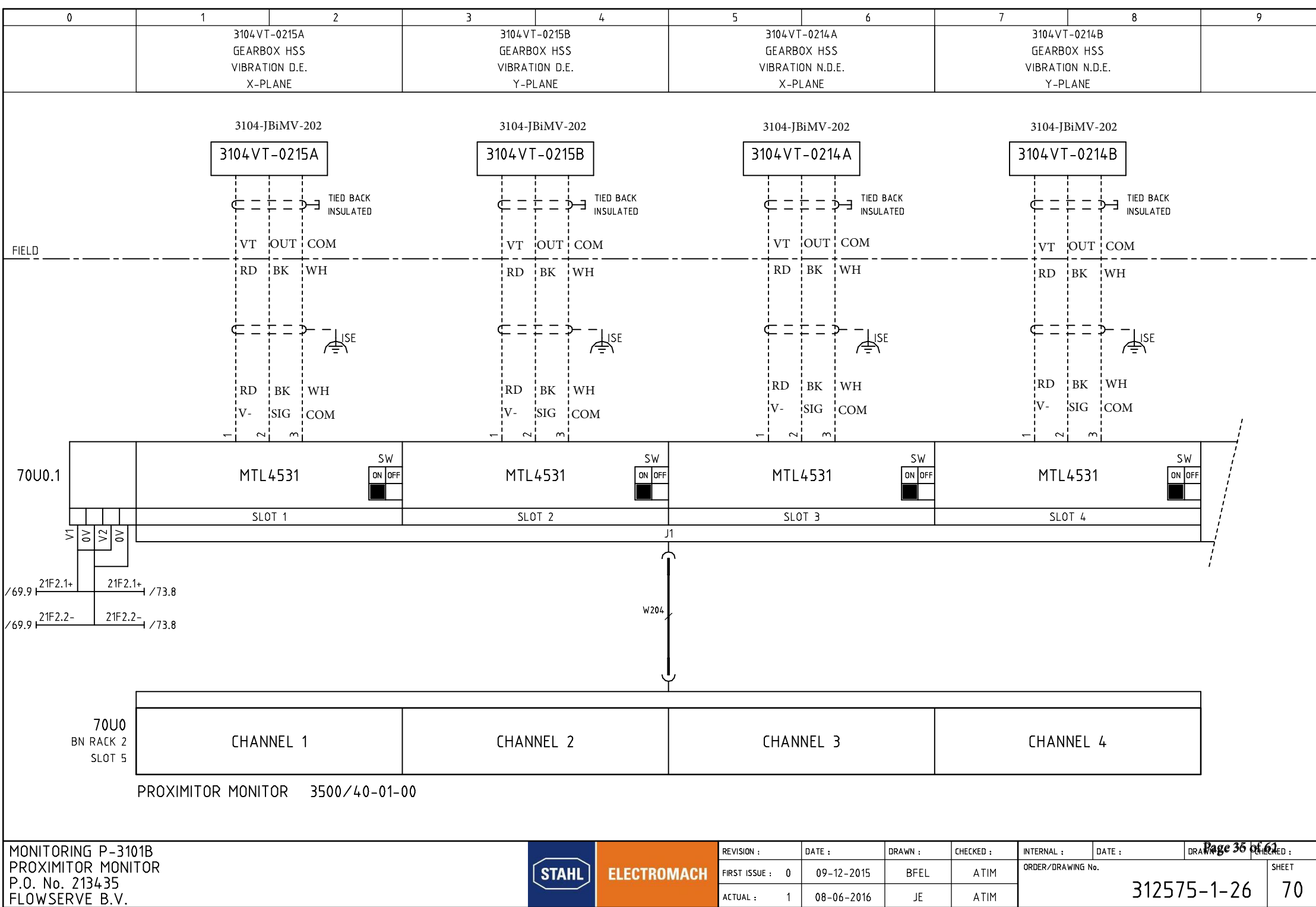
CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR

3500/40-01-00



3104-JBiMV-202

3104 VT-0214A

VT

OUT

COM

TIED BACK

INSULATED

RD

BK

WH

ISE

RD

BK

WH

V-

SIG

COM

1

2

3

3104-JBiMV-202

3104 VT-0214B

VT

OUT

COM

TIED BACK

INSULATED

RD

BK

WH

ISE

RD

BK

WH

V-

SIG

COM

1

2

3

70U0.1

MTL4531

SW

ON

OFF

SLOT 1

MTL4531

SW

ON

OFF

SLOT 2

MTL4531

SW

ON

OFF

SLOT 3

MTL4531

SW

ON

OFF

SLOT 4

V1

OV

V2

OV

21F2.1+

21F2.1+

73.8

21F2.2-

21F2.2-

73.8

J1

W204

70U0

BN RACK 2

SLOT 5

CHANNEL 1

CHANNEL 2

CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00

MONITORING P-3101B

PROXIMITOR MONITOR

P.O. No. 213435

FLOWERVE B.V.

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09-12-2015

BFEL

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312575-1-26

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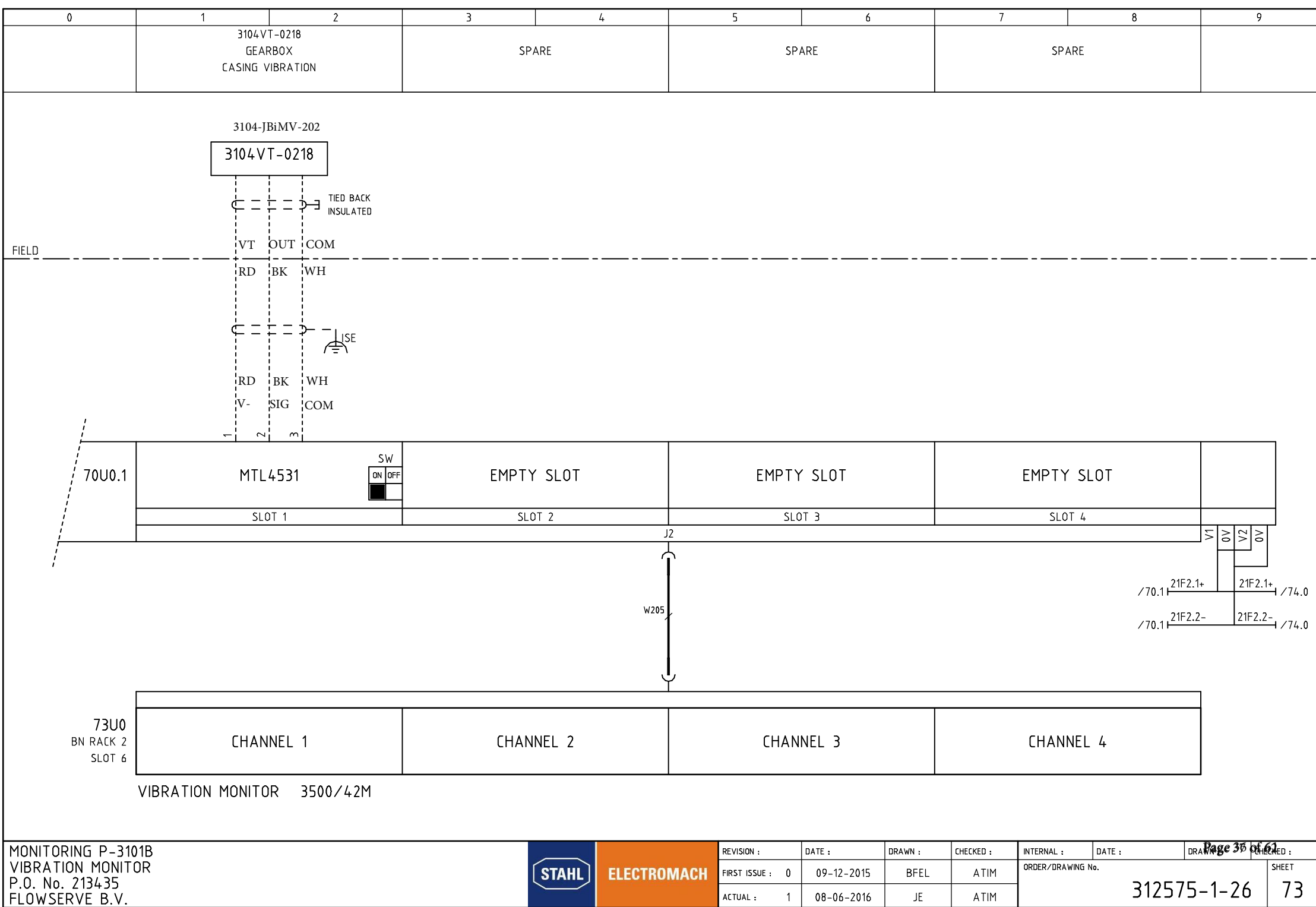
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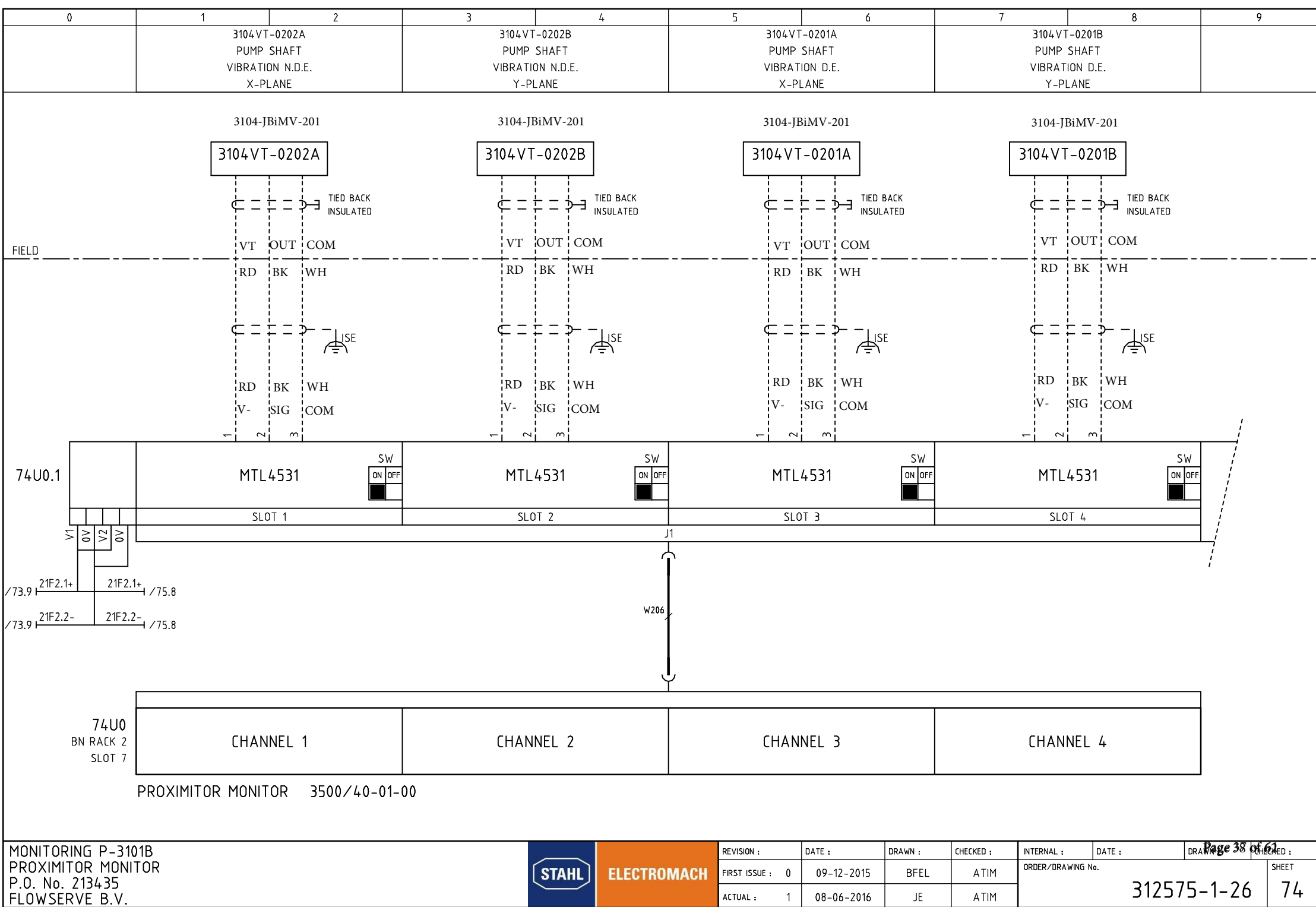
08-06-2016

JE

ATIM

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74U0.1

V1

OV

V2

OV

21F2.1+

21F2.1+

21F2.2-

21F2.2-

/73.9

/75.8

/73.9

/75.8

J1

W206

MONITORING P-3101B

PROXIMITOR MONITOR

P.O. No. 213435

FLOWERVE B.V.

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312575-1-26

SHEET

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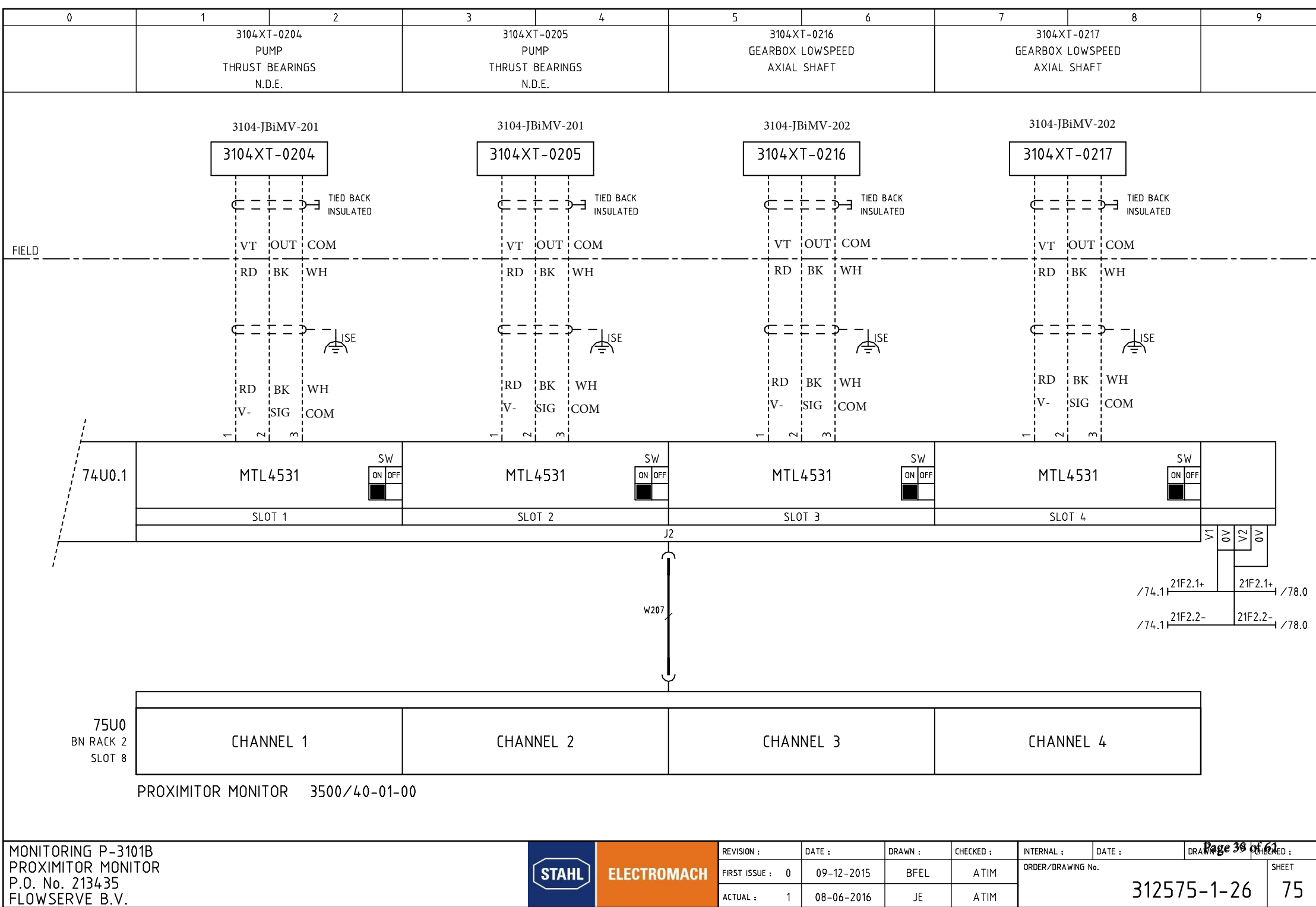
ACTUAL : 1

08-06-2016

JE

ATIM

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MTL4531

SW

ONOFF

SLOT 3

MTL4531

SW

ONOFF

SLOT 4

J2

W207

V1

0V

V2

0V

/74.1

21F2.1+

21F2.1+

/78.0

/74.1

21F2.2-

21F2.2-

/78.0

75U0

BN RACK 2

SLOT 8

CHANNEL 1

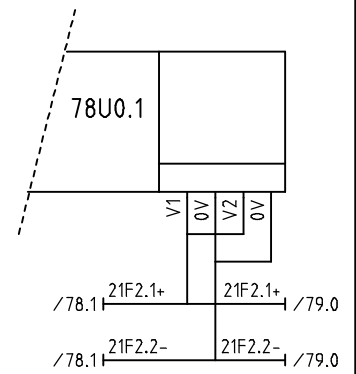
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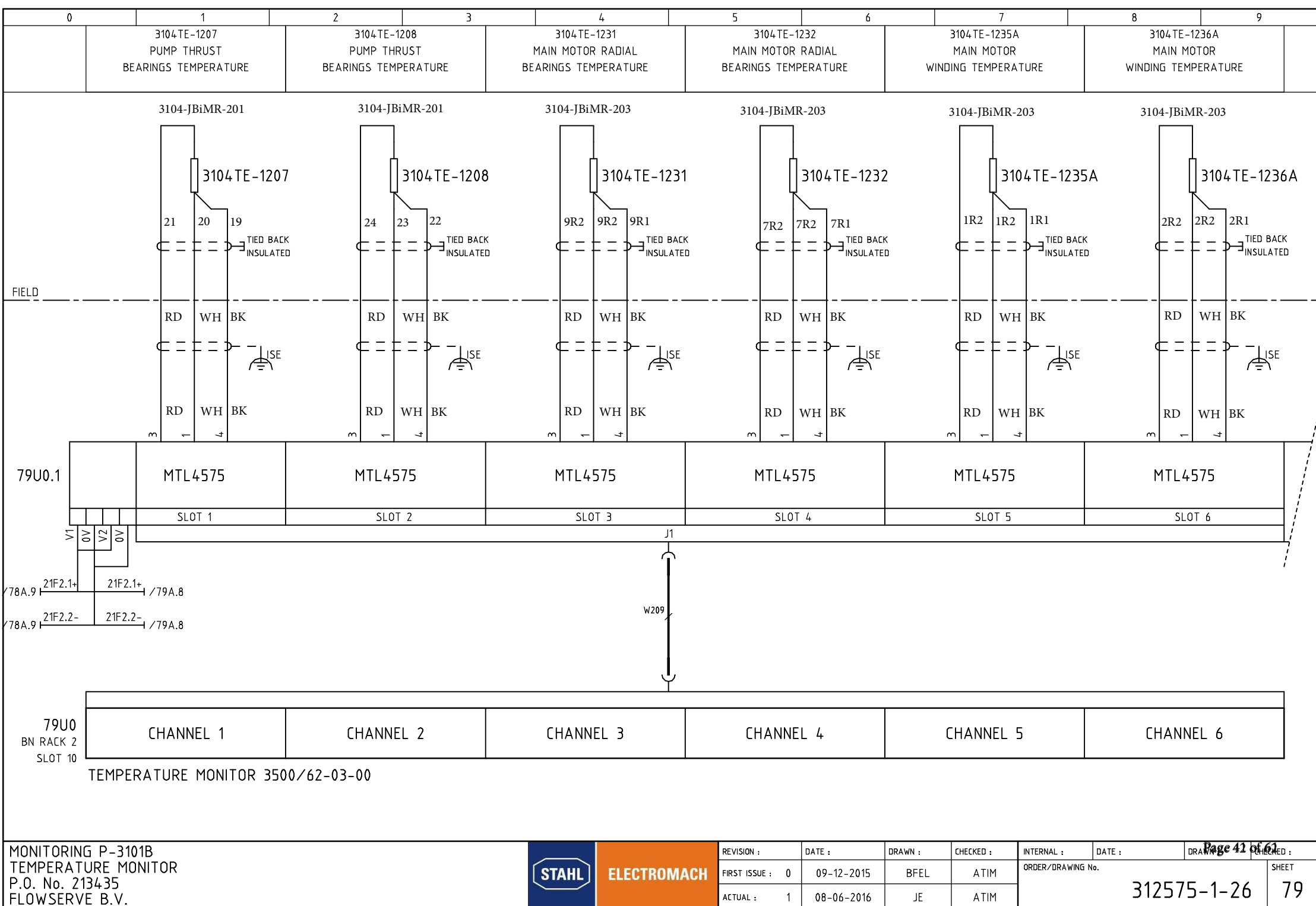
CHANNEL 3

CHANNEL 4

PROXIMITOR MONITOR 3500/40-01-00

0	1	2	3	4	5	6	7	8	9





MONITORING P-3101B
TEMPERATURE MONITOR
P.O. No. 213435
FLOWERVE B.V.

STAHL

ELECTROMACH

REVISION :
FIRST ISSUE : 0
ACTUAL : 1

DATE :
09-12-2015
08-06-2016

DRAWN :
BFEL
JE

CHECKED :
ATIM
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INTERNAL :
ORDER/DRAWING No.

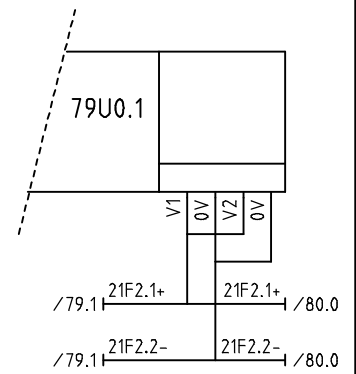
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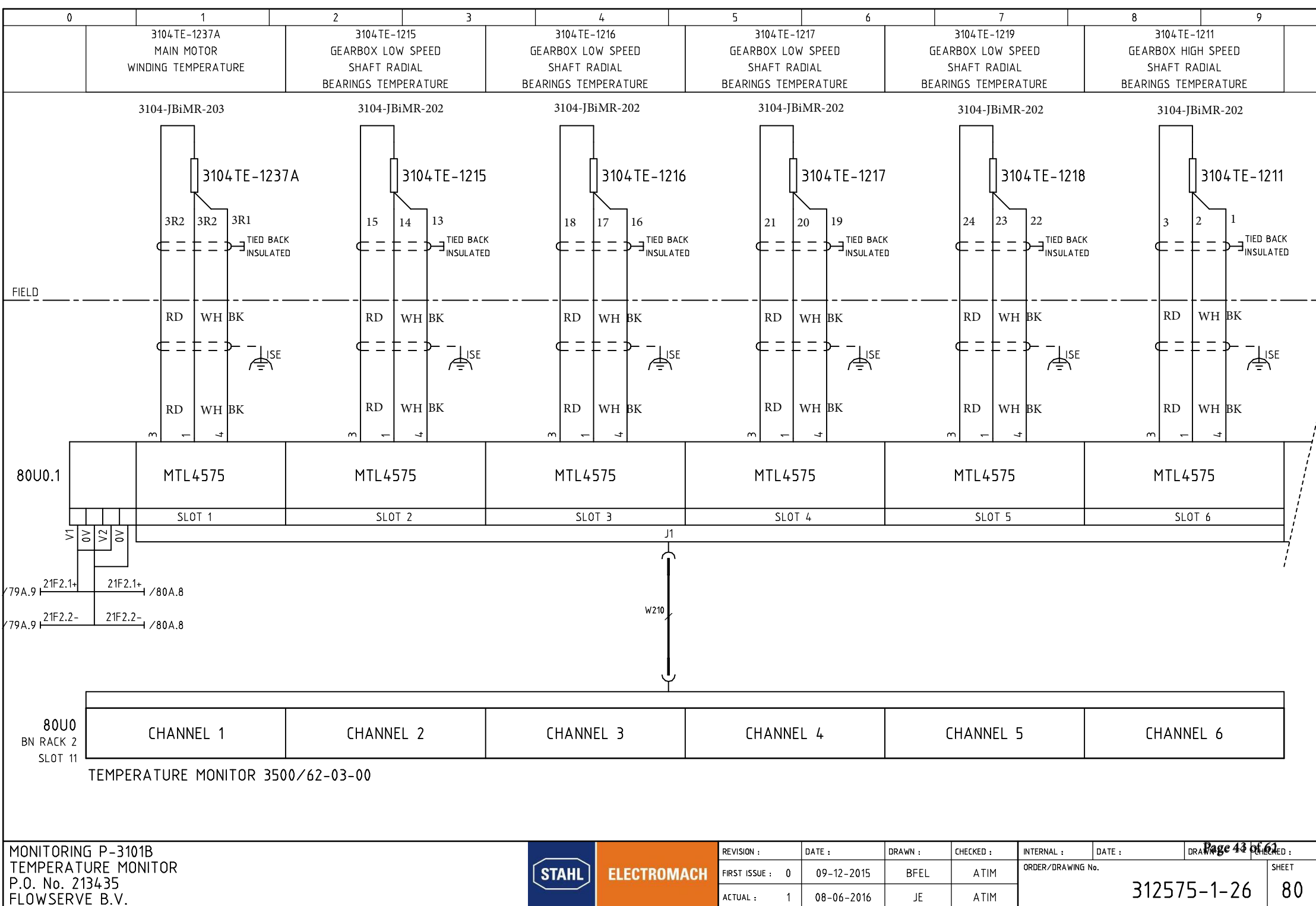
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SHEET

79

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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+

21F2.2- 21F2.2-

79A.9 80A.8

79A.9 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-3101B

TEMPERATURE MONITOR

P.O. No. 213435

FLOWERVE B.V.

STAHLELECTROMACH

REVISION : 0

DATE : 09-12-2015

DRAWN : BFEL

CHECKED : ATIM

INTERNAL : ORDER/DRAWING No.

DATE : 08-06-2016

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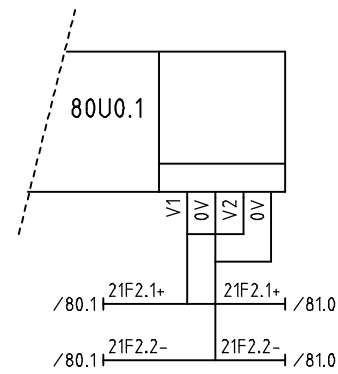
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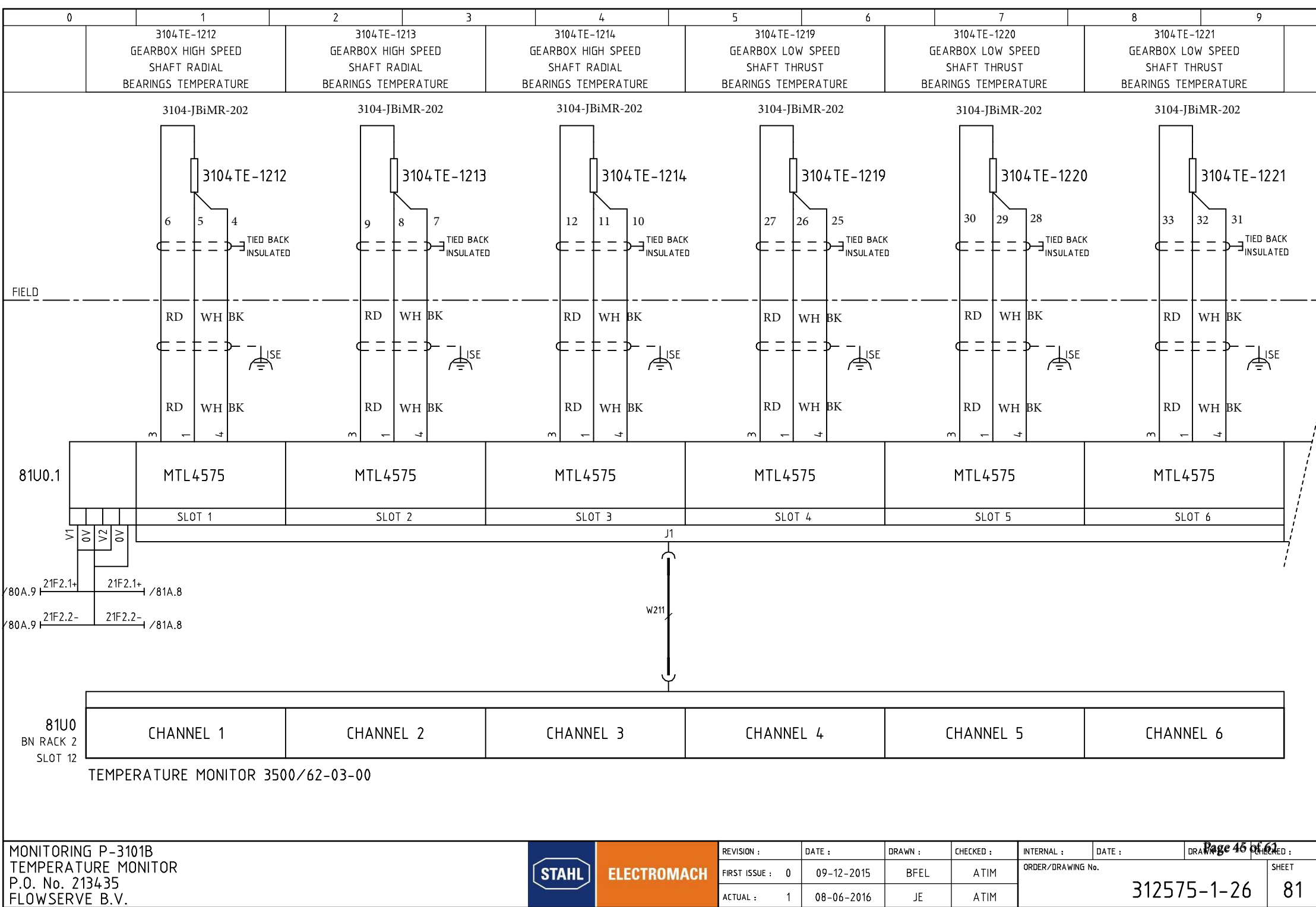
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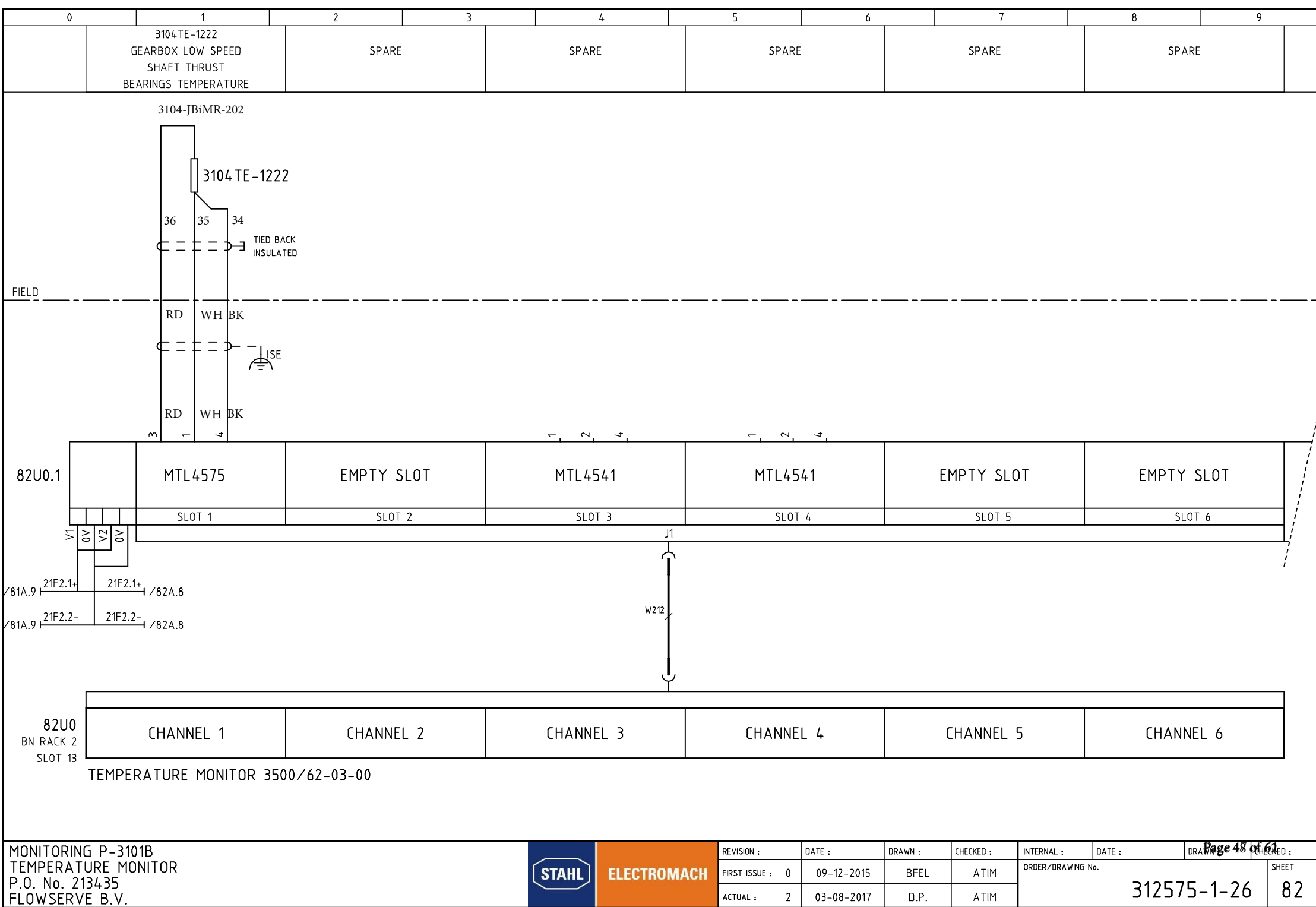
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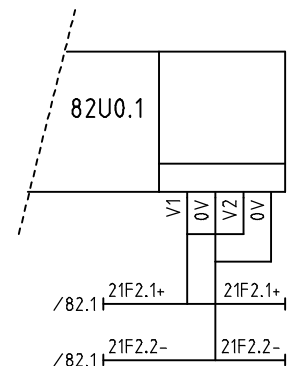
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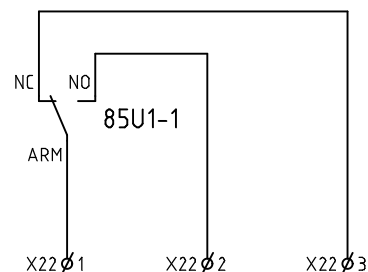
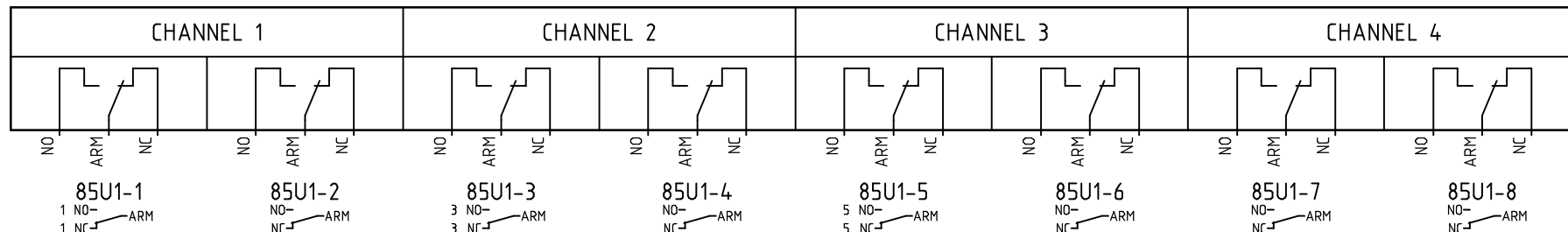
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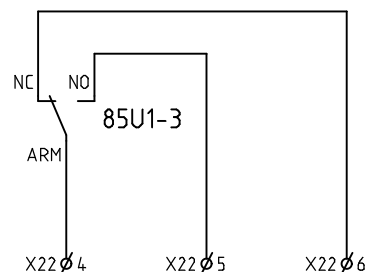
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RELAY MODULE 3500/32-01-00

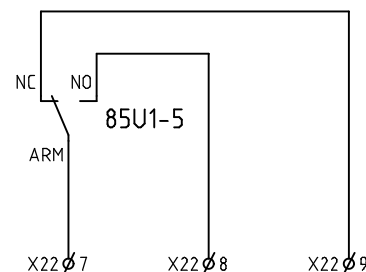
85U1
BN RACK 2
SLOT 14



3104XS-0229



3104XS-0230



3104XS-0228

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

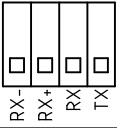
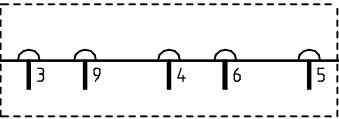
COMMUNICATION GATEWAY 3500/92-04-01-00

86U1
BN RACK 1
SLOT 15

ETHERNET
10/100 BASE-T
RJ-45
IP ADDRESS :
192.168.0.8

W213
BN RACK 2
/21.3

RS485
MODBUS



SLAVE
ADDRESS

[illegible]

