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ABB AB

SE-721 68 Västerås  
Sweden

Latest revision: ECO 77348, WI 109538 Page 10: Wire no 3 added.			Lab/Office: DMRO SE PRIM	IRB 66x0 / 7600	Status: 2016-01-14	Plant: = IRB66x0/7600 Location: + Manipulator Sublocation: +	
Prepared by, date: EM 151217	Approved by, date: JN 160114			COPYRIGHT page	Document no. 3HAC025744-001	Rev. Ind 06	Page 1 Next 2 Total 21

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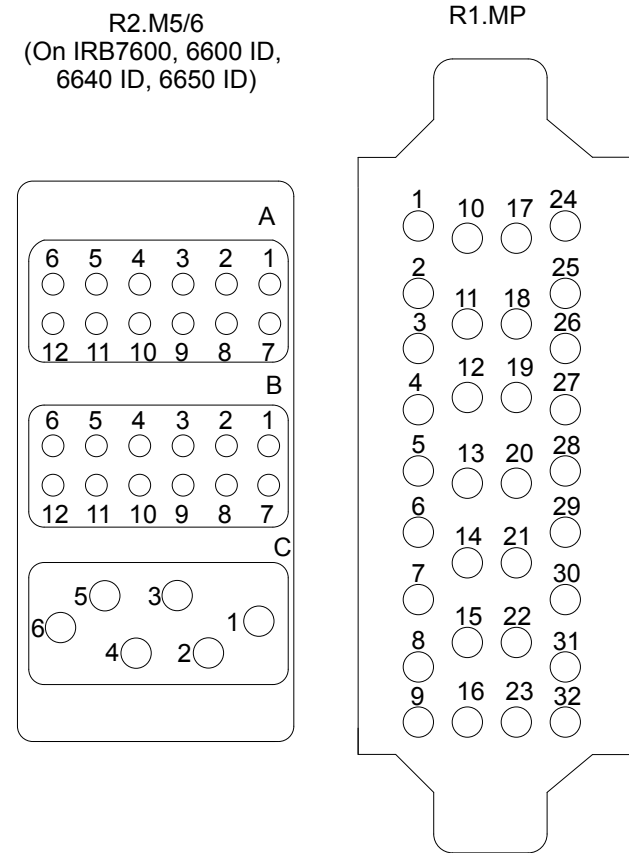
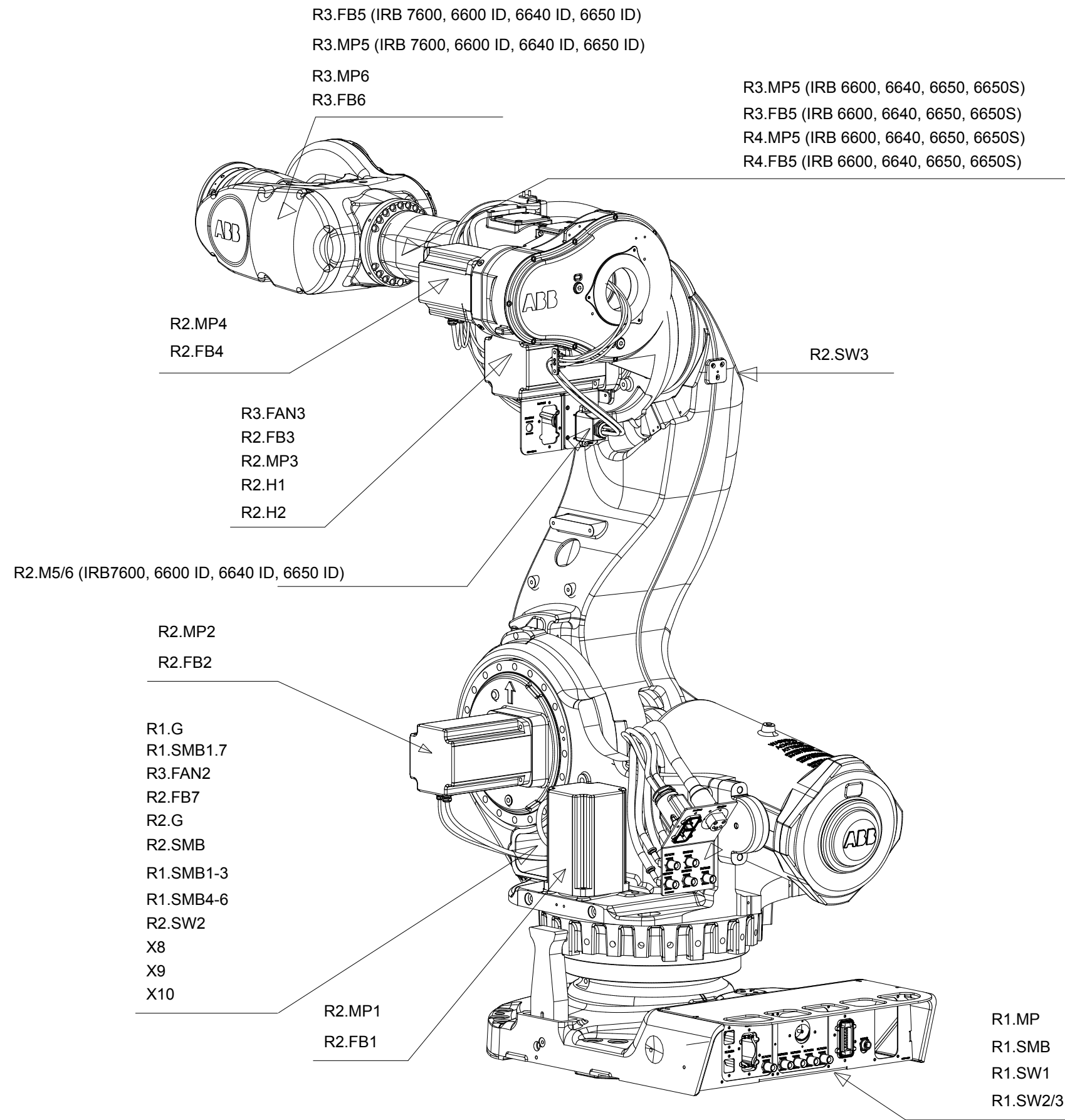
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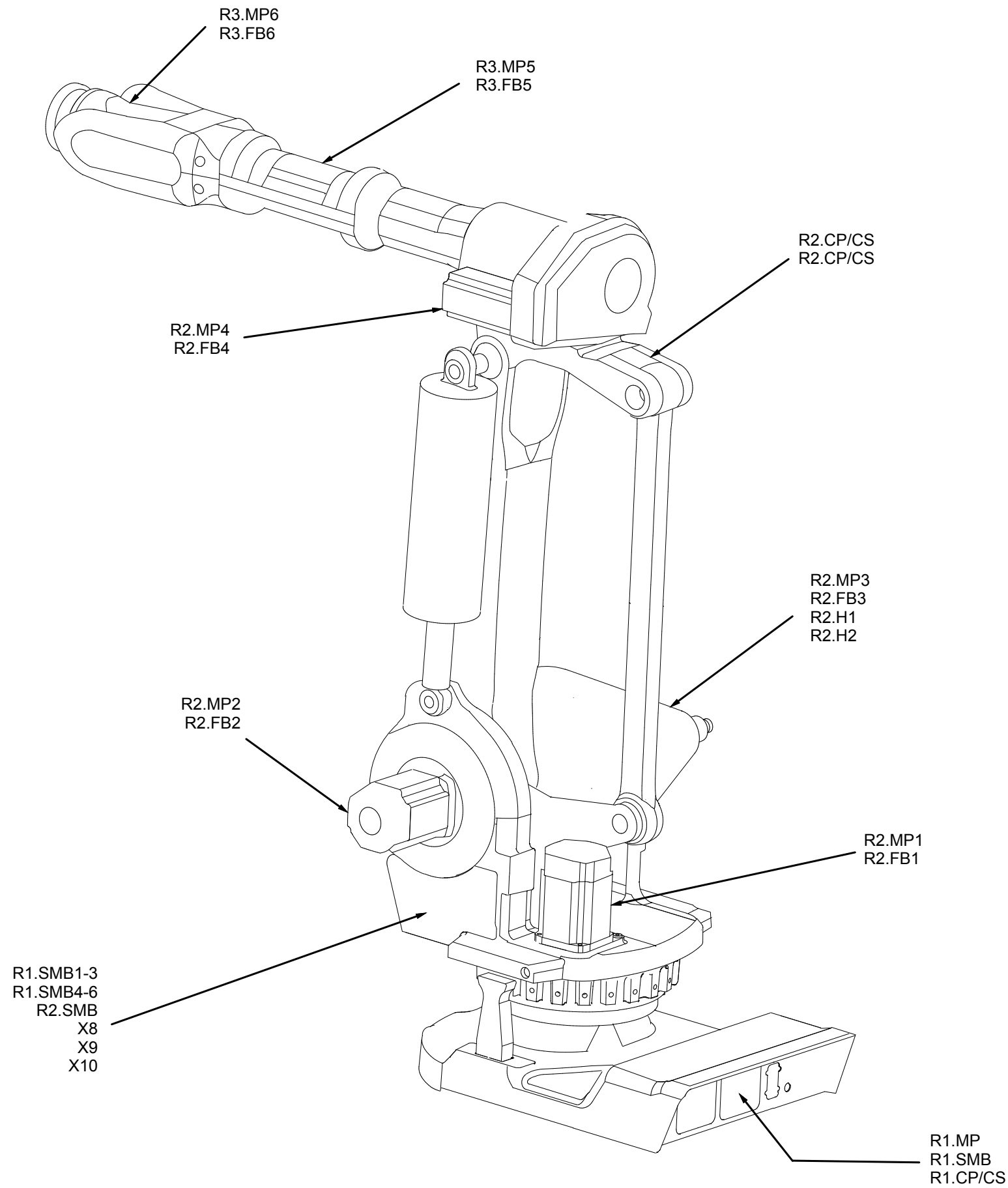
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1	2	3	4	5	6	7	8
<p>Valid For:</p> <p>This circuit diagram is valid for the following cable harness assemblies:</p> <p>3HAC 024385-001 Manipulator harness axis 1-6 (IRB 6600 / 6640)</p> <p>3HAC 024386-001 Manipulator harness axis 1-6 (IRB 6640 / 6650 / 6650S)</p> <p>3HAC14940-1 rev 3 and later. Manipulator harness axis 1-4 (IRB 6600 ID / 6640 ID / 7600)</p> <p>3HAC16331-1 rev 1 and later. Manipulator harness axis 1-4 (IRB 6640 ID / 6650 ID)</p> <p>3HAC14139-1 Manipulator harness axis 5 (IRB 6600 / 6640 / 6650 / 6650S)</p> <p>3HAC11440-1 Manipulator harness axis 5-6 (IRB 7600)</p> <p>3HAC023717-001 Manipulator harness axis 5-6 (IRB 6600 ID / 6640 ID / 6650 ID)</p> <p>3HAC15930-1 UL signal lamp (IRB 6600 / 6640 / 6650 / 6600 ID / 6640 ID / 6650 ID / 6650S / 7600)</p> <p>3HAC12498-1 Pos SW 3 functions (IRB 6600 / 6640 / 6650 / 6600 ID / 6640 ID / 6650 ID / 6650S / 7600)</p> <p>3HAC12587-1 Pos SW 2 functions (IRB 6600 / 6650 / 6600 ID / 6650 ID / 6650S / 7600)</p> <p>3HAC15374-1 Fan (IRB 6600 / 6640 / 6650 / 6600 ID / 6640 ID / 6650 ID / 6650S /6660 / 7600)</p> <p>3HAC15390-1 Pos Sw/ Fan cable harness (IRB 6600 / 6600 ID / 7600)</p> <p>3HAC16659-1 Pos Sw/ Fan cable harness (IRB 6650 / 6650 ID / 6650S)</p> <p>3HAC023599-001 Fan cable harness (IRB 6600 / 6640 / 6650 / 6600 ID / 6640 ID / 6650 ID / 6650S /6660 / 7600)</p> <p>3HAC026733-001 Manipulator harness axis 1-6 (IRB 6660)</p> <p>3HAC028206-001 UL signal lamp (IRB 6660)</p>							
<p>See circuit diagram 3HAC13347-1 in the following cases:</p> <p>- If IRB6600, 6650 or 6650S with 3HAC14940-1, 3HAC16331-1</p> <p>- If cable harness 3HAC14940-1 rev 2 or earlier</p> <p>- If cable harness 3HAC16331-1 rev 0</p>							

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IRB 66x0 / 7600

Connection point location of IRB 6660

Status: 2016-01-14

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Document no.

3HAC025744-001

Plant: = IRB6660  
Location: + Manipulator  
Sublocation: +

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**06**


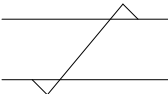
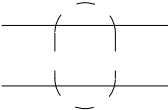
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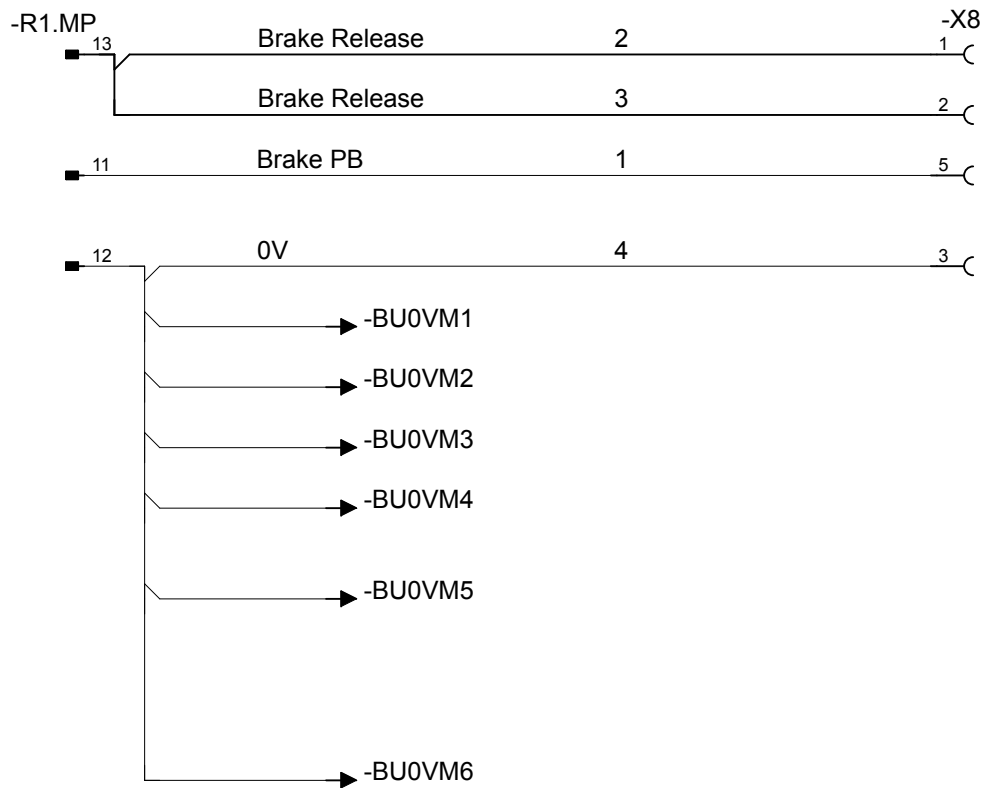
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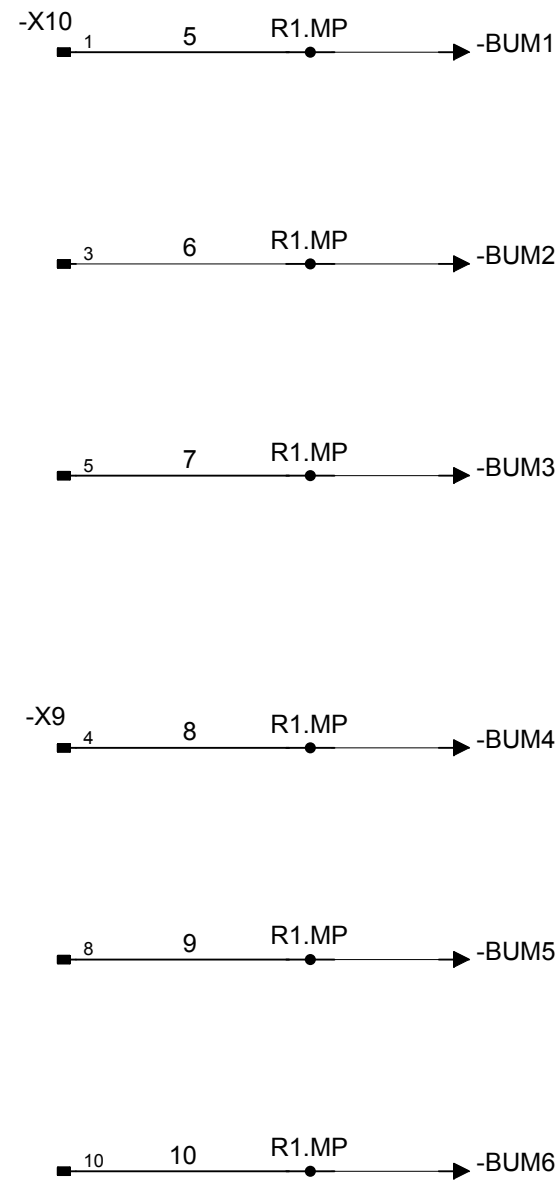
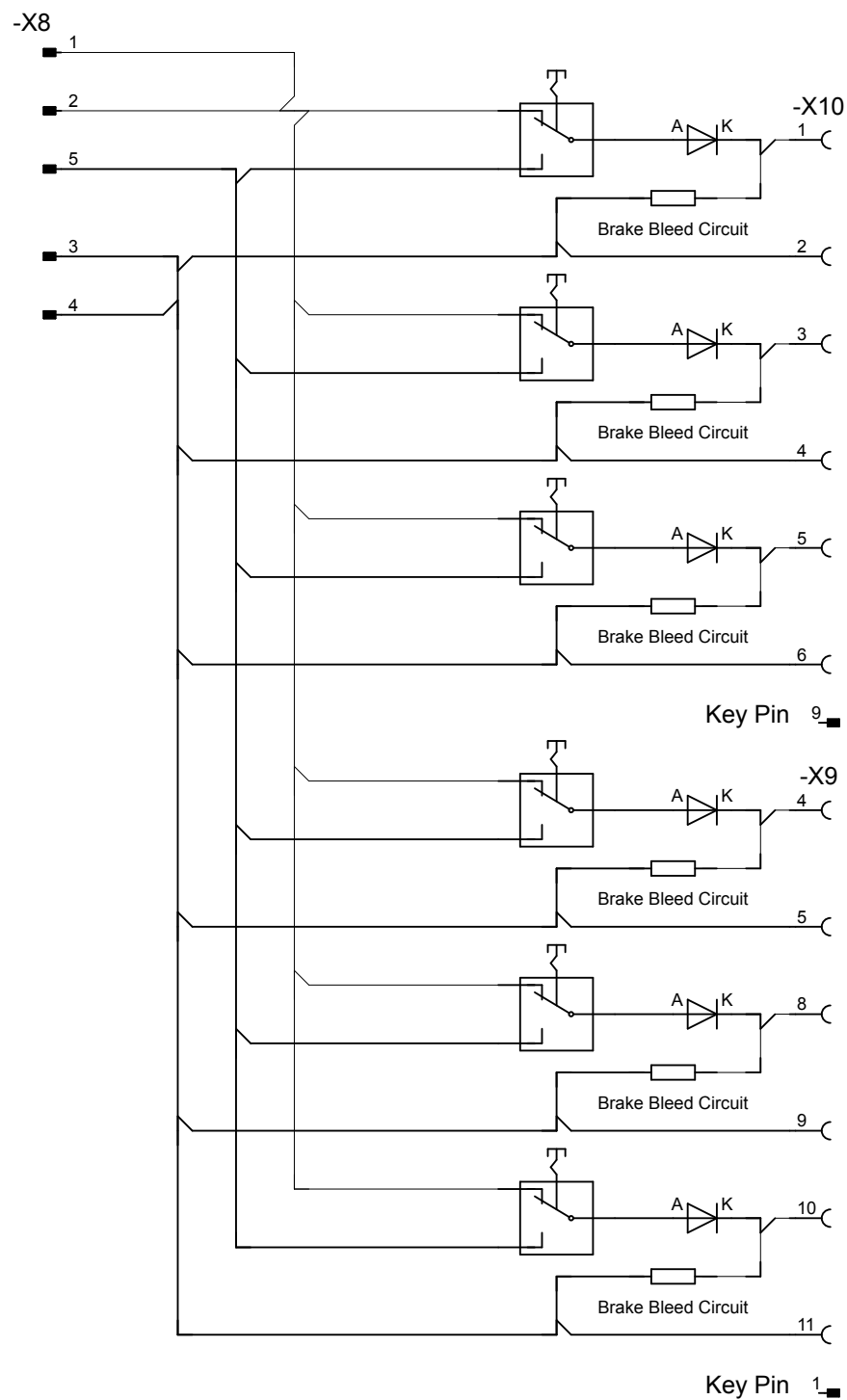
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1	2	3	4	5	6	7	8
M	Motor			Protective Earth			
B	Brake						
PTC	Temp sensor (PTC- resistor)			Twisted wires			
R	Resolver						
G	Battery Pack			Screened wires			
BU	Brake Release Unit						
FB	Feedback unit		IRB6X0	Any number i.e. 66X0 can be 6600, 6640, 6660 or 6650			
SMB	Serial Measurment Board						
FAN	Fan						
SW	Position switch						
Keypin	Location pin to avoid mismatch						

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-BU Brake Release (Simplified)



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IRB 66x0 / 7600

Brake Release Unit

Status: 2016-01-14

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Plant: = IRB66X0/7600  
Location: + BU  
Sublocation: +

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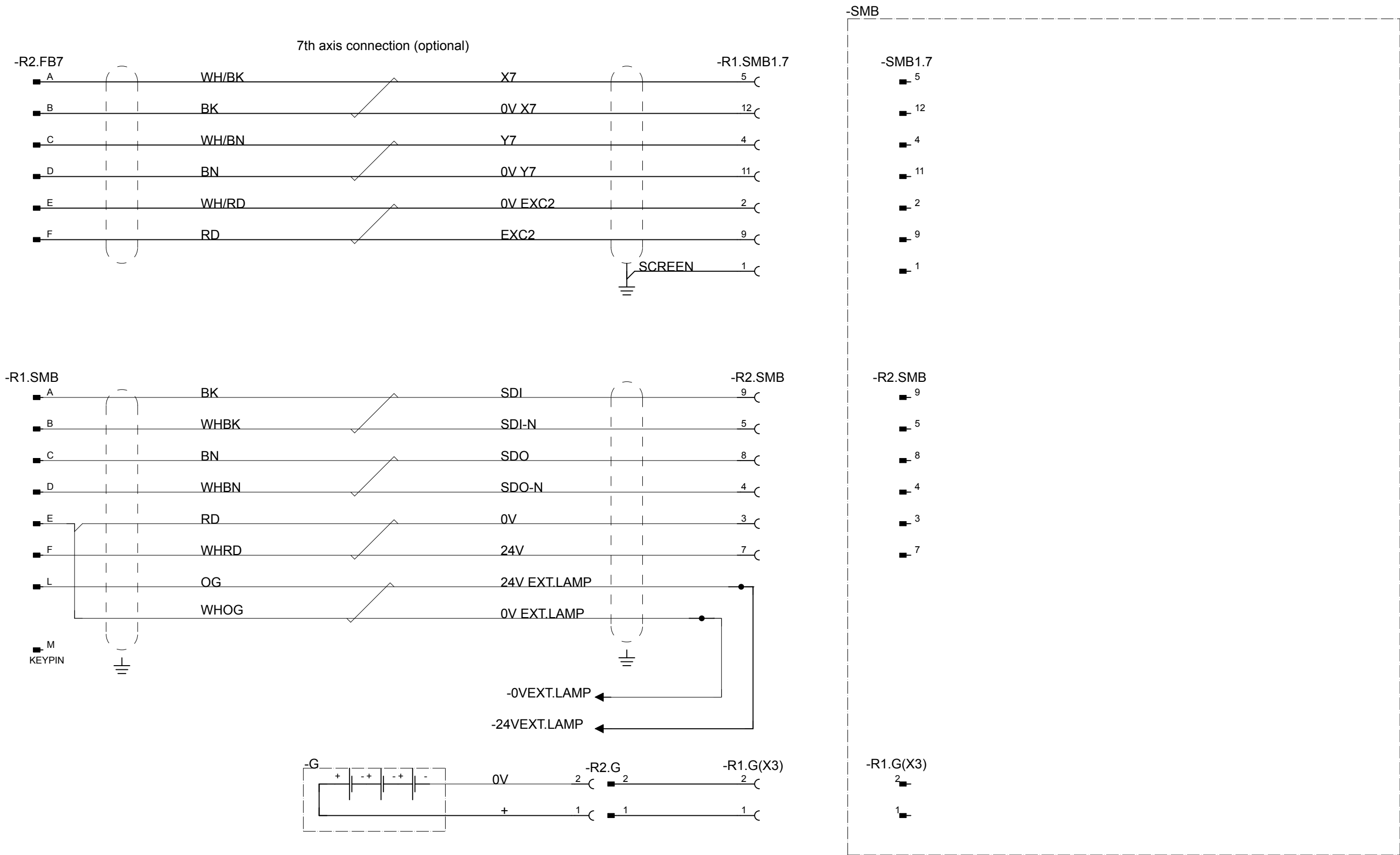
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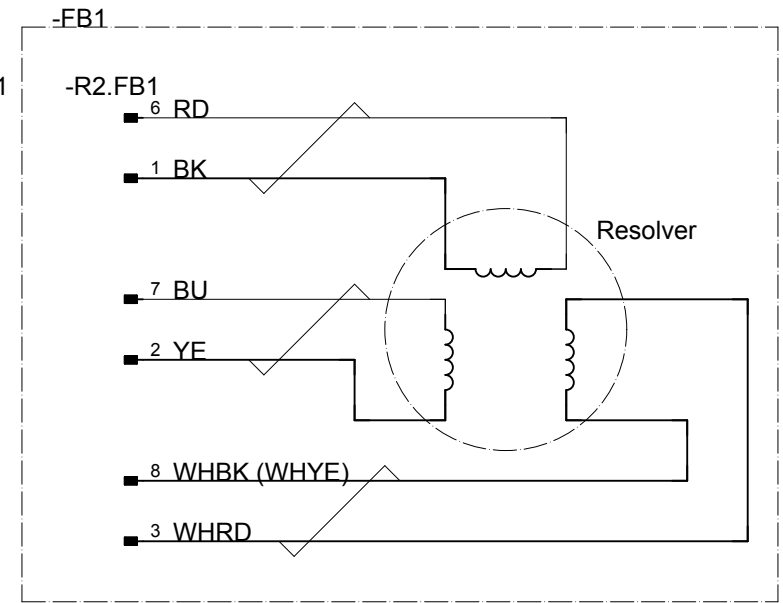
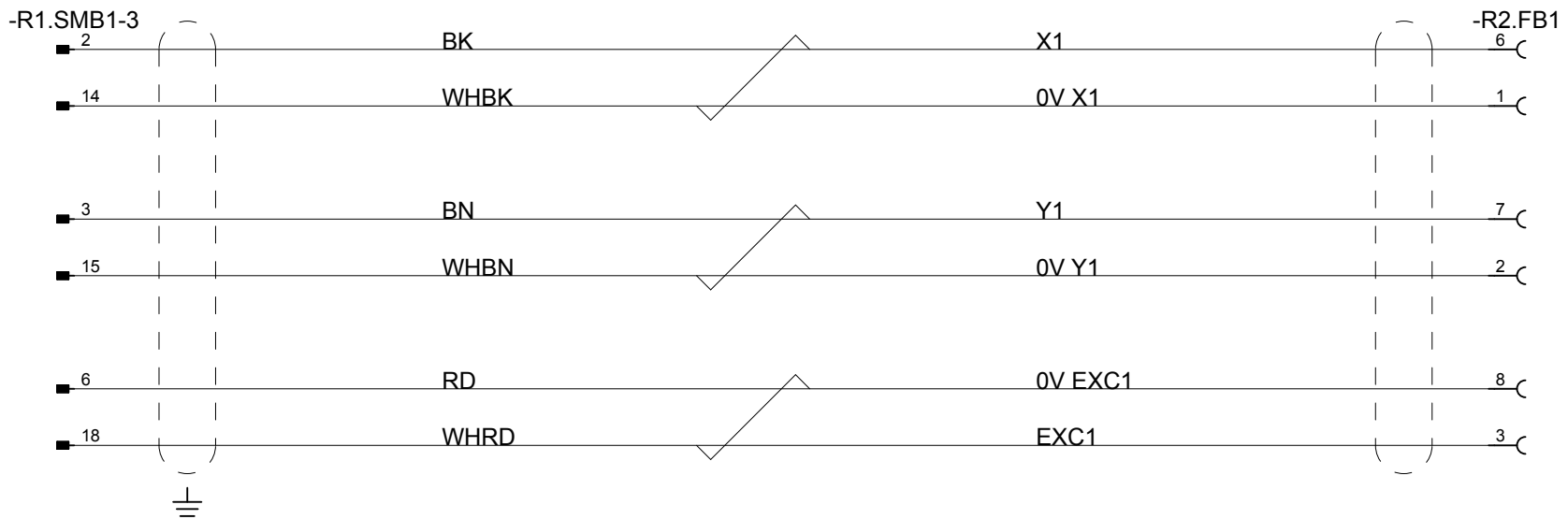
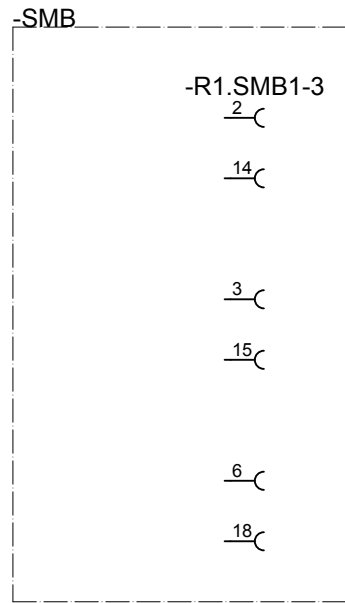
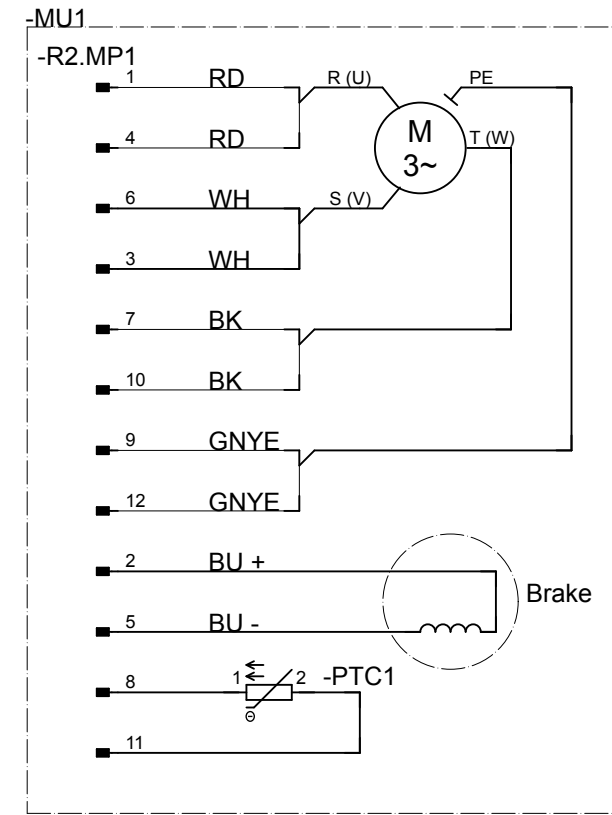
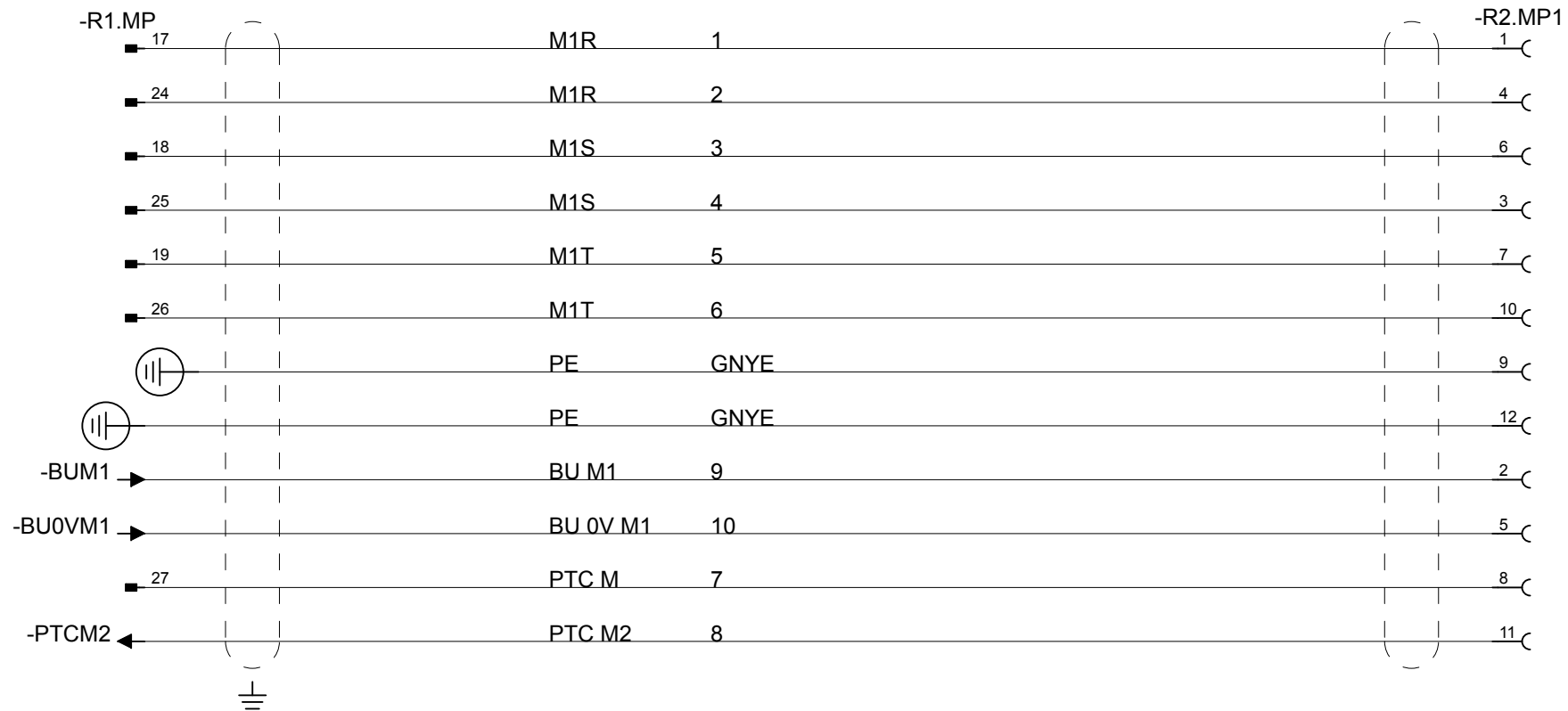
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IRB 66x0 / 7600  
Serial Measuring Board, incl. optional 7th axis connection

Status: 2016-01-14  
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Location: + SMB  
Sublocation: +  
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IRB 66x0 / 7600

Axis 1

Status: 2016-01-14

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Sublocation: +

Rev. Ind

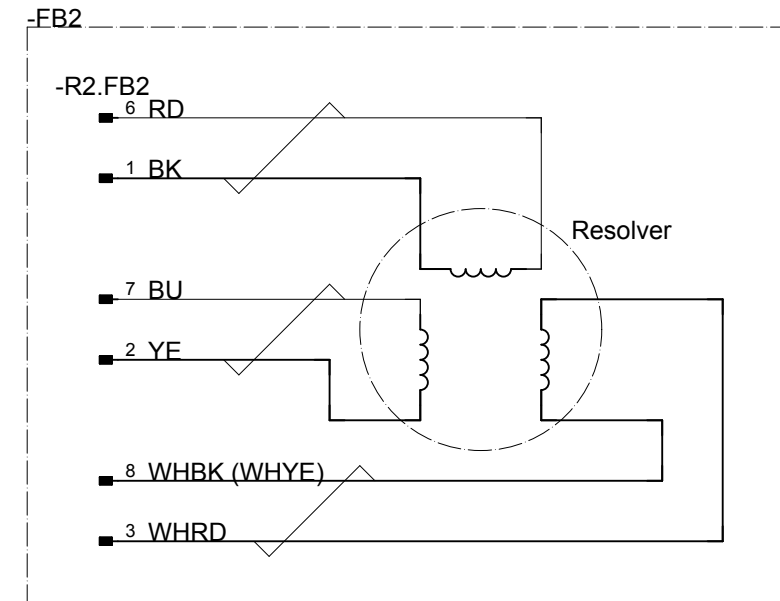
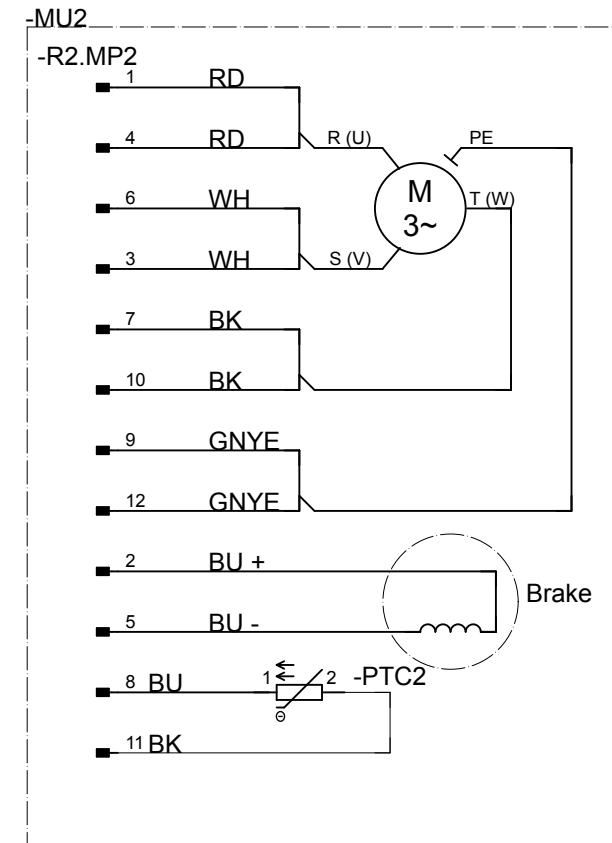
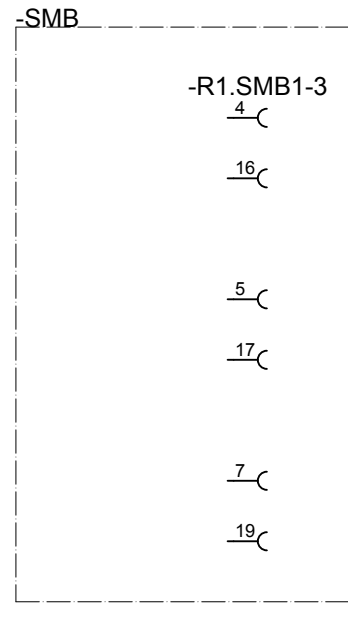
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IRB 66x0 / 7600  
Axis 2

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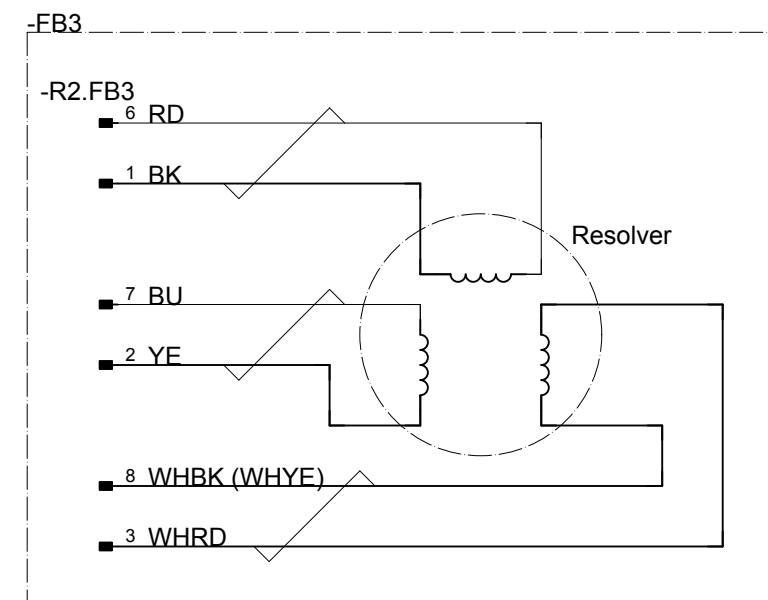
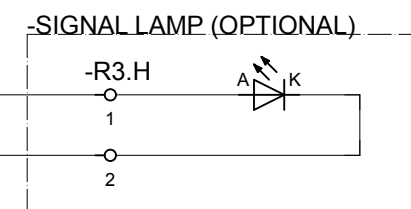
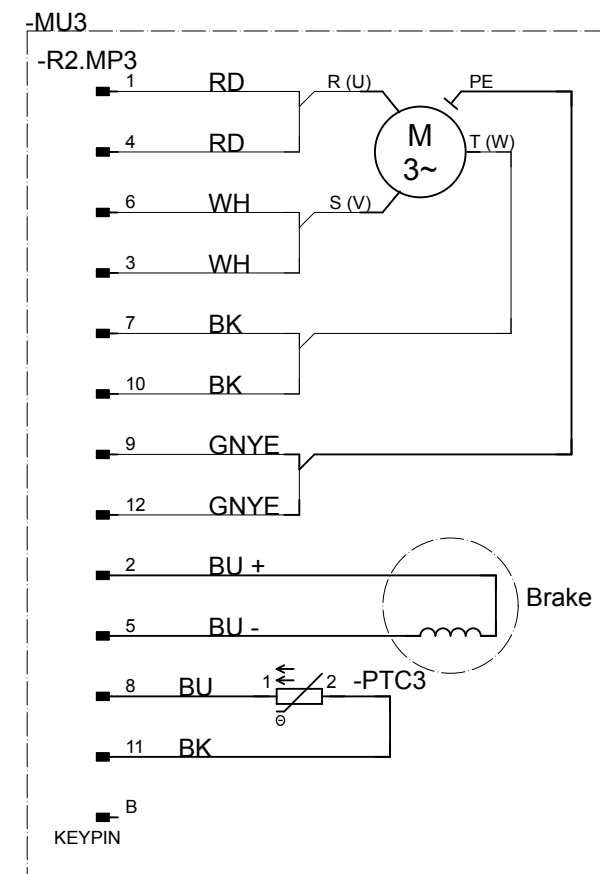
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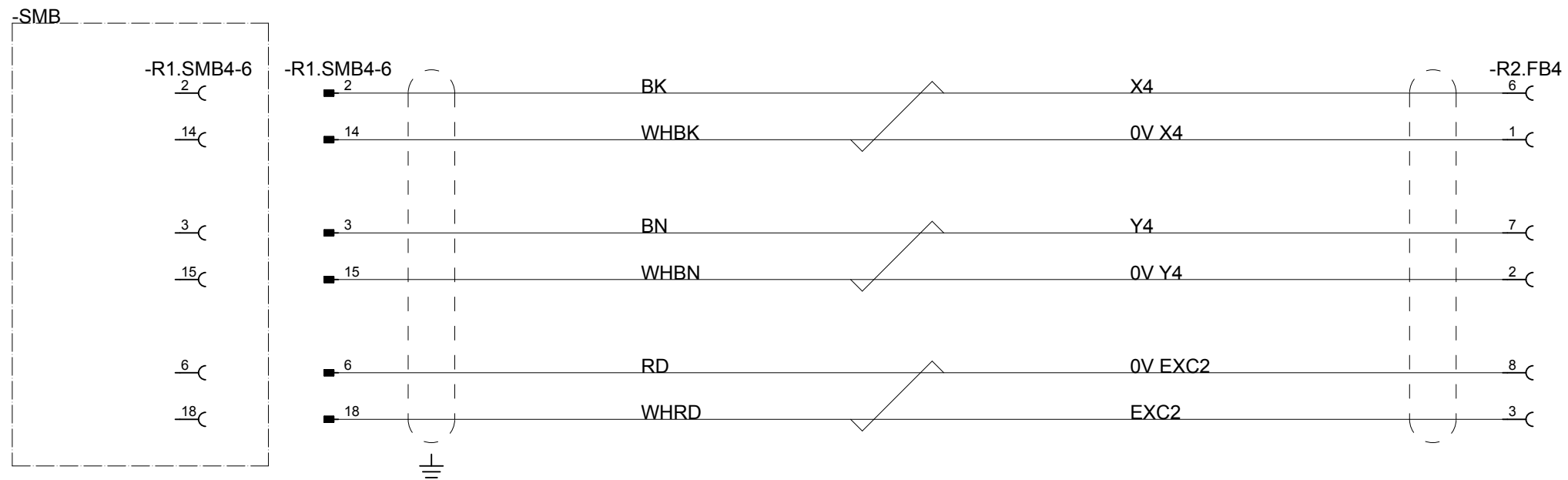
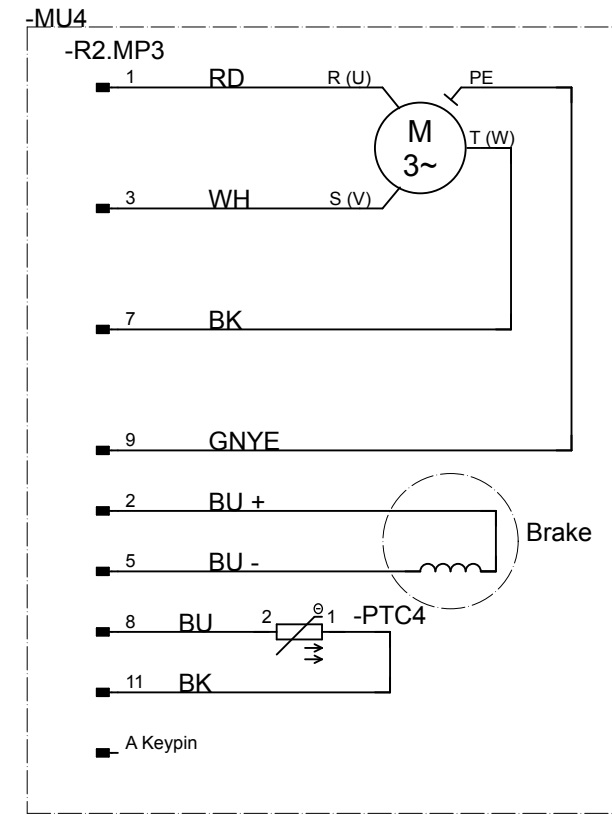
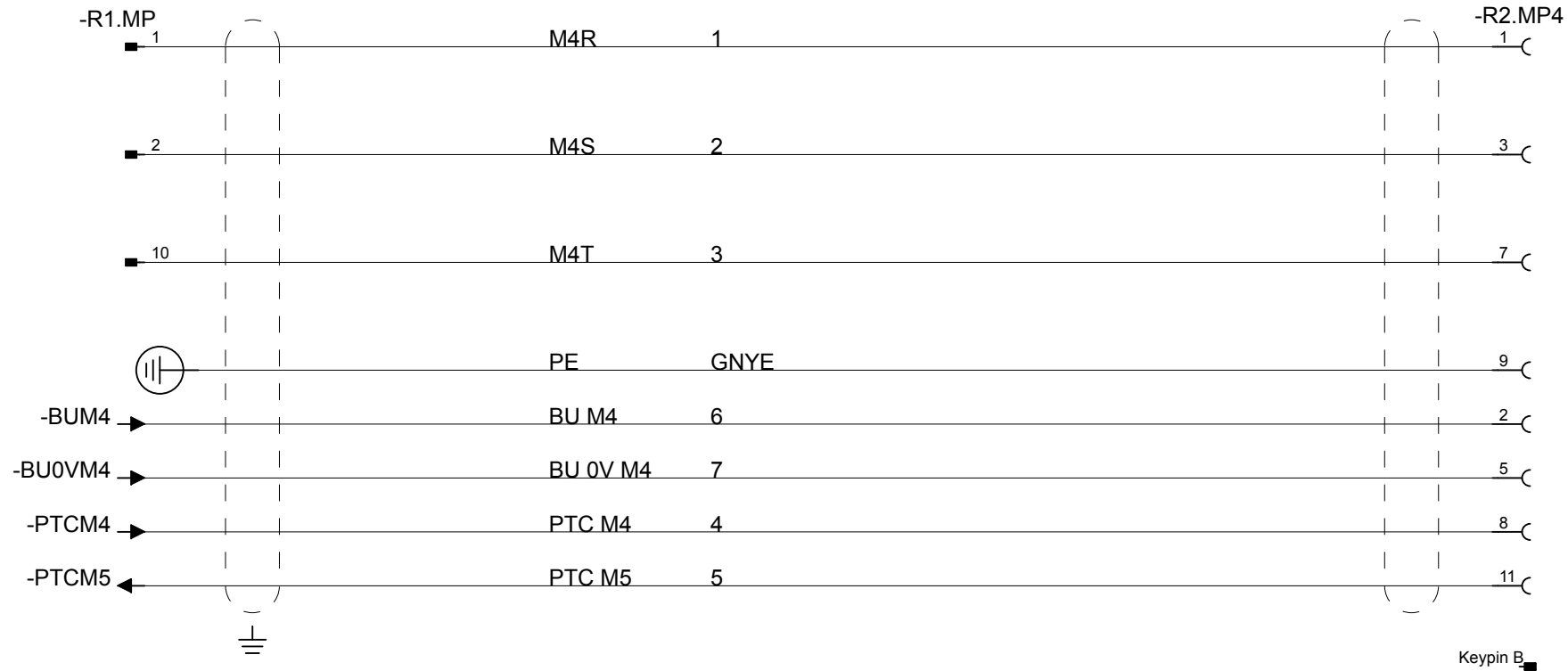
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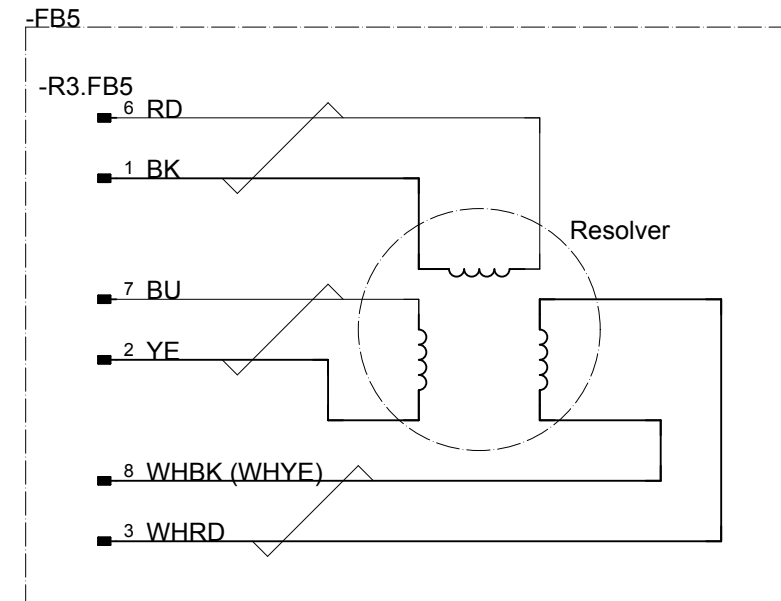
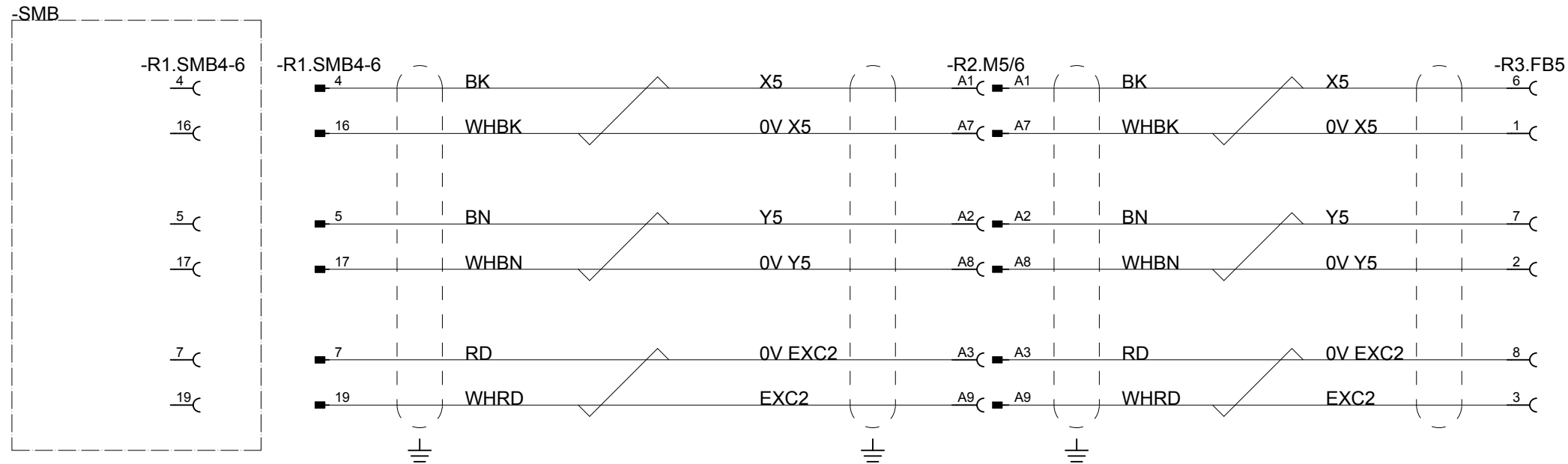
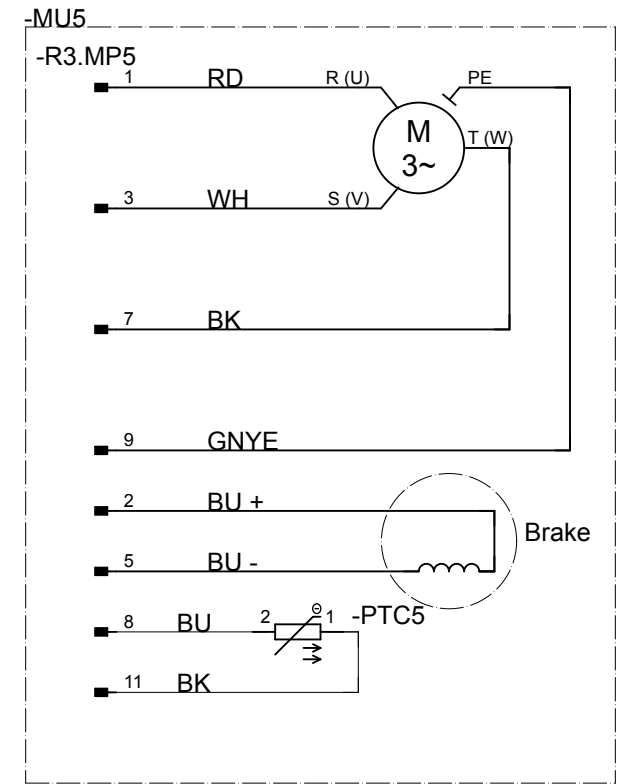
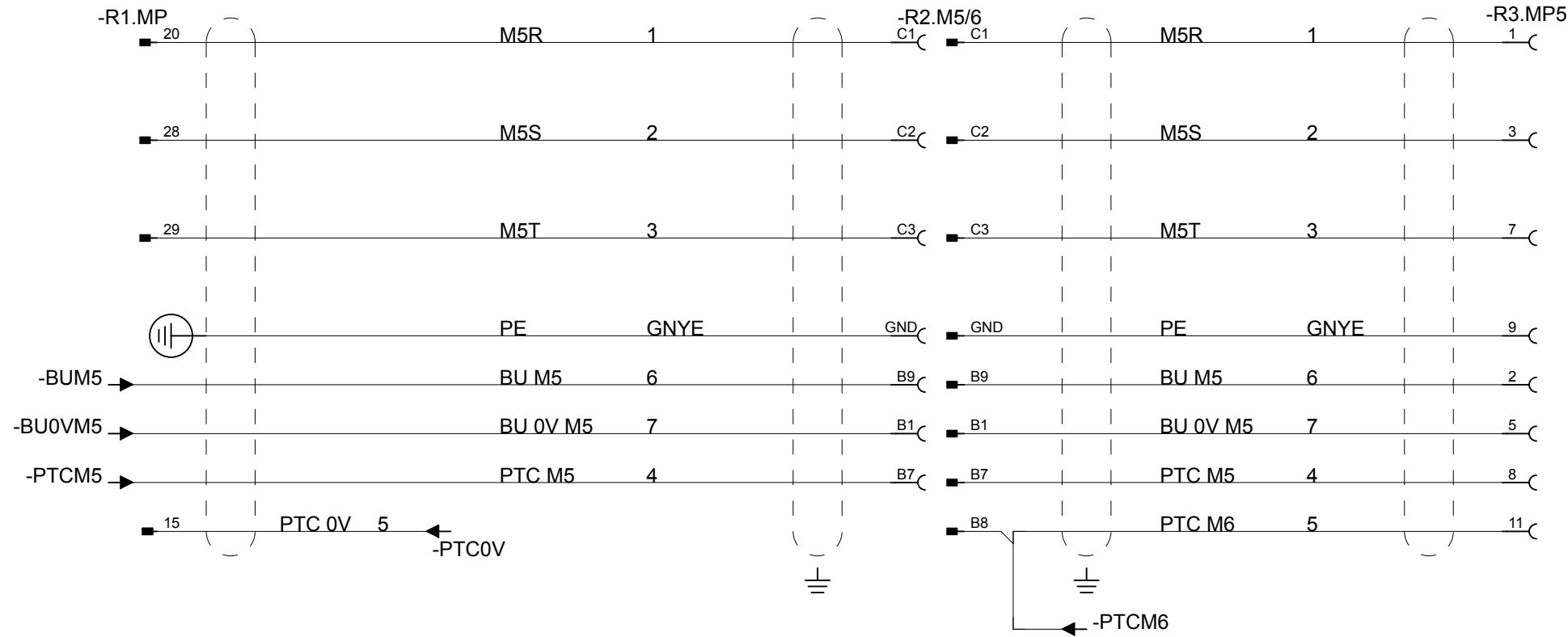
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IRB 66x0 / 7600  
Axis 5, IRB 7600

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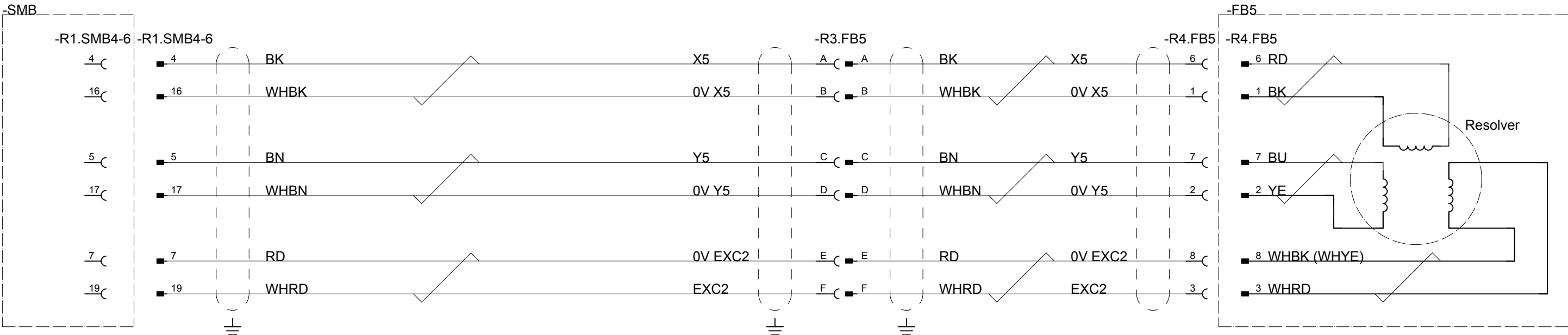
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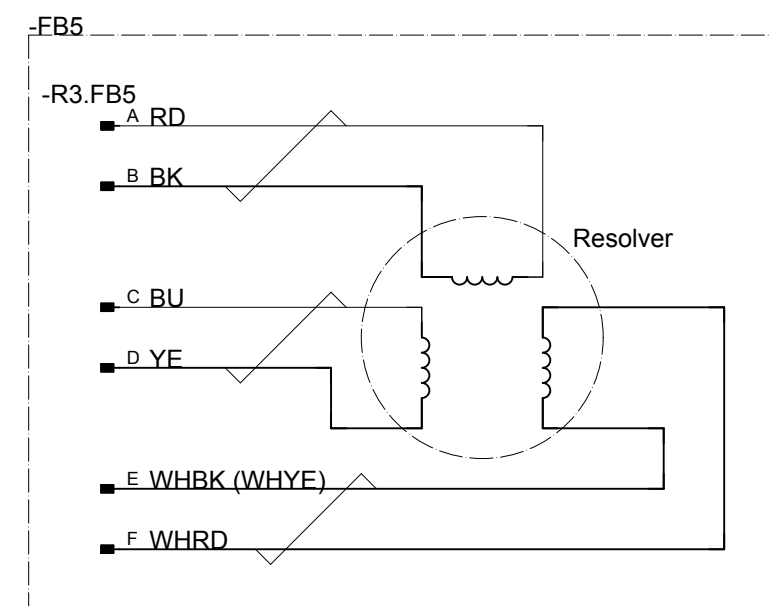
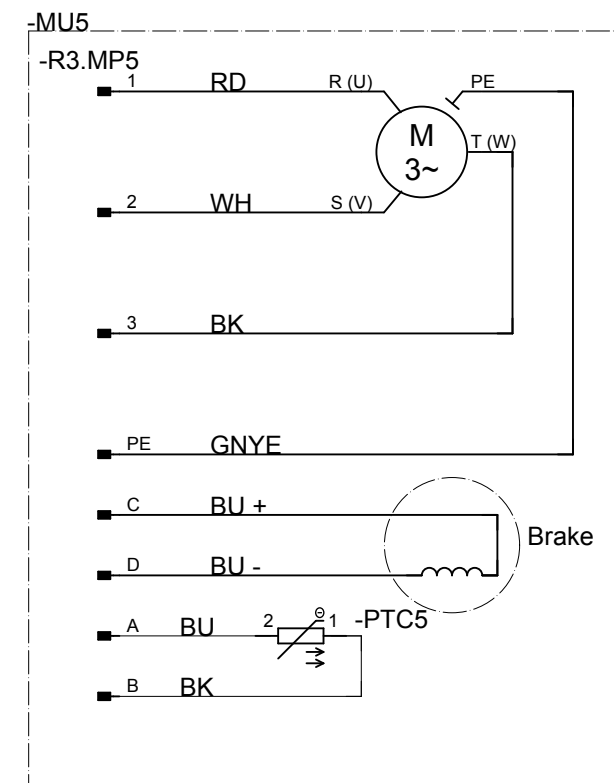
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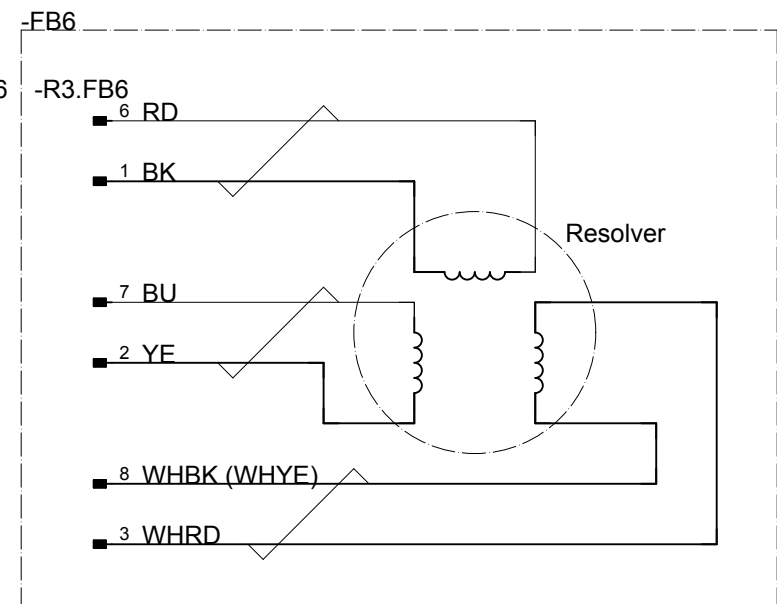
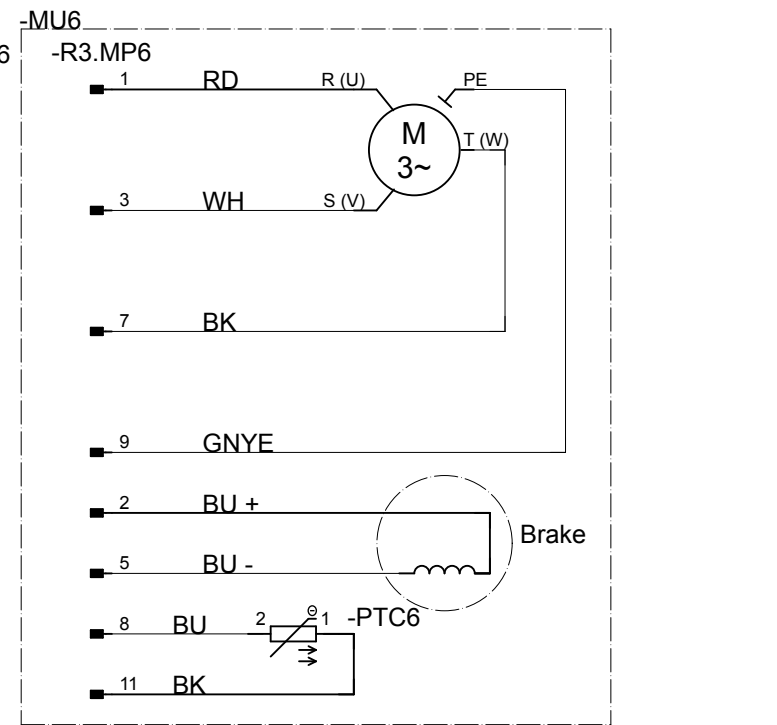
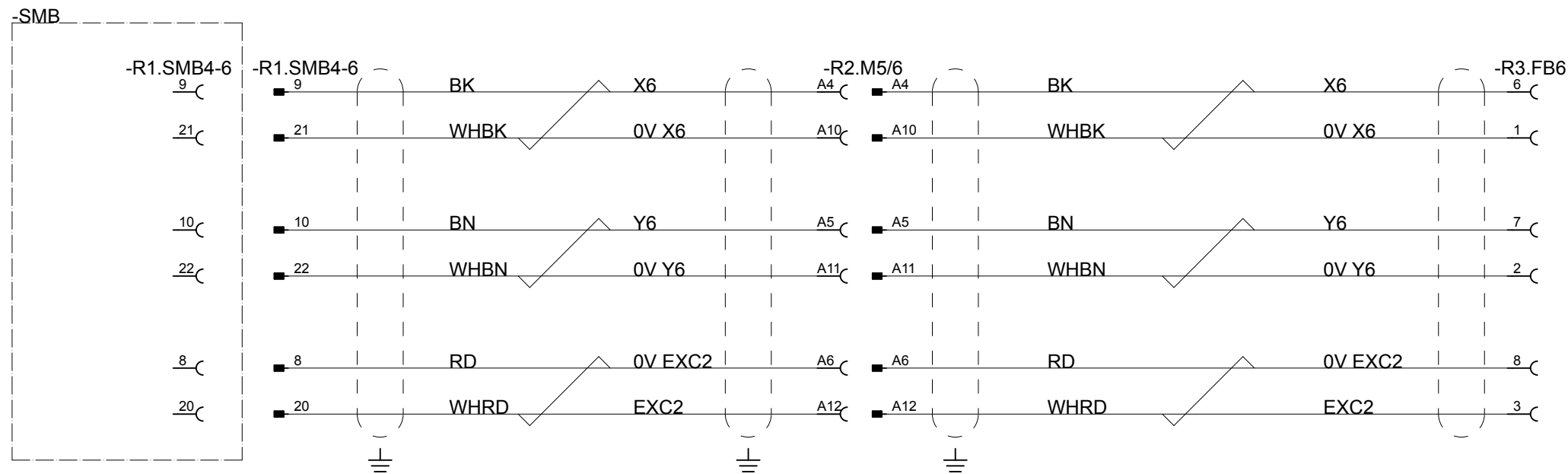
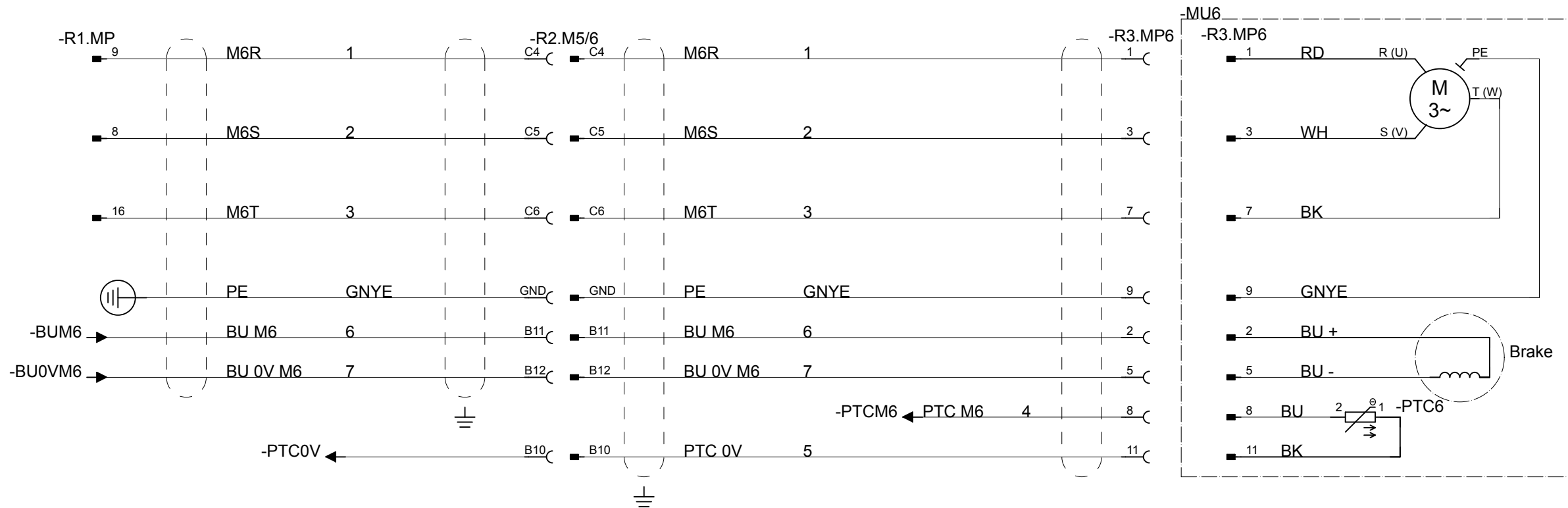
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IRB 66x0 / 7600  
Axis 6, IRB 7600

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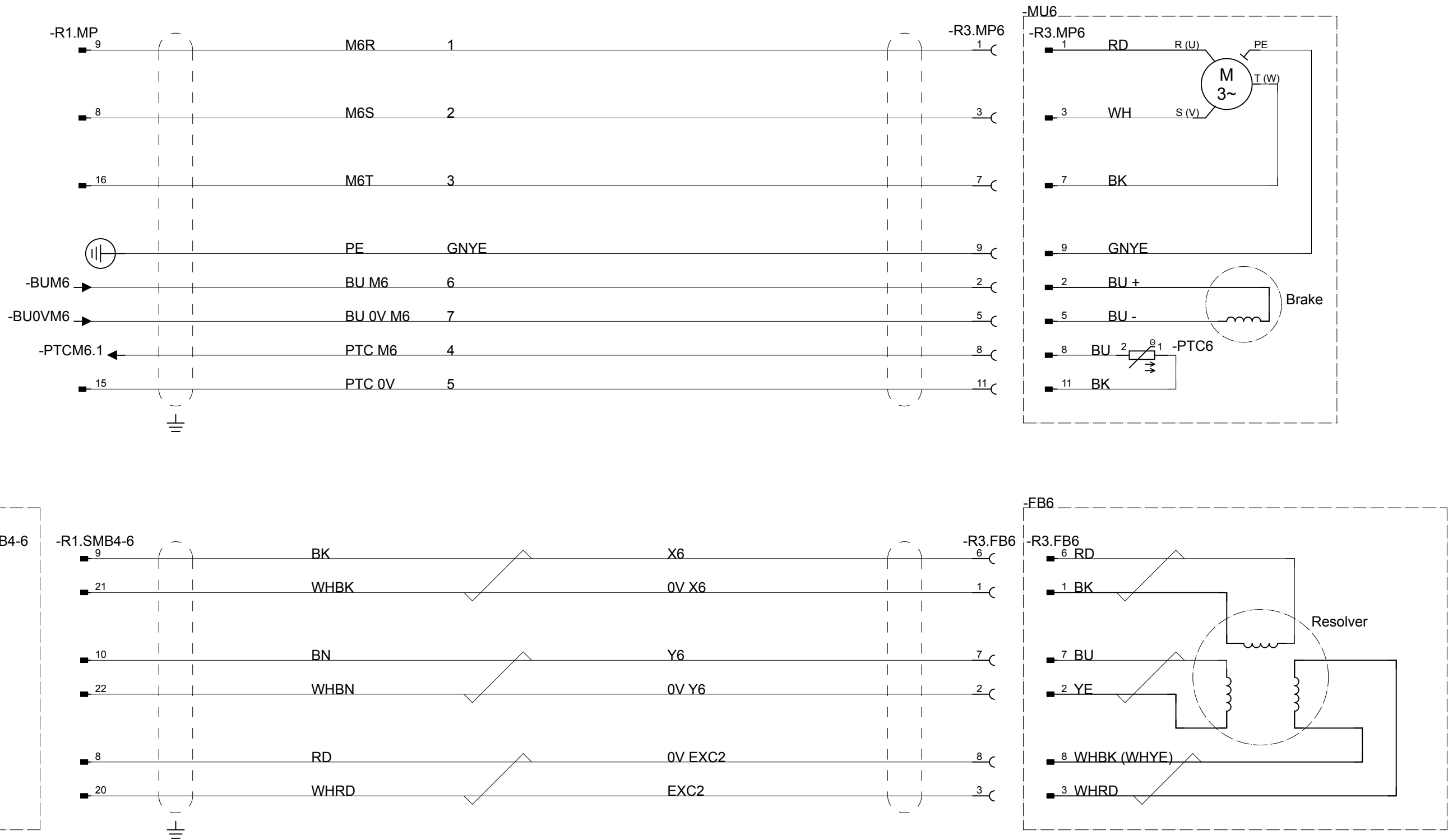
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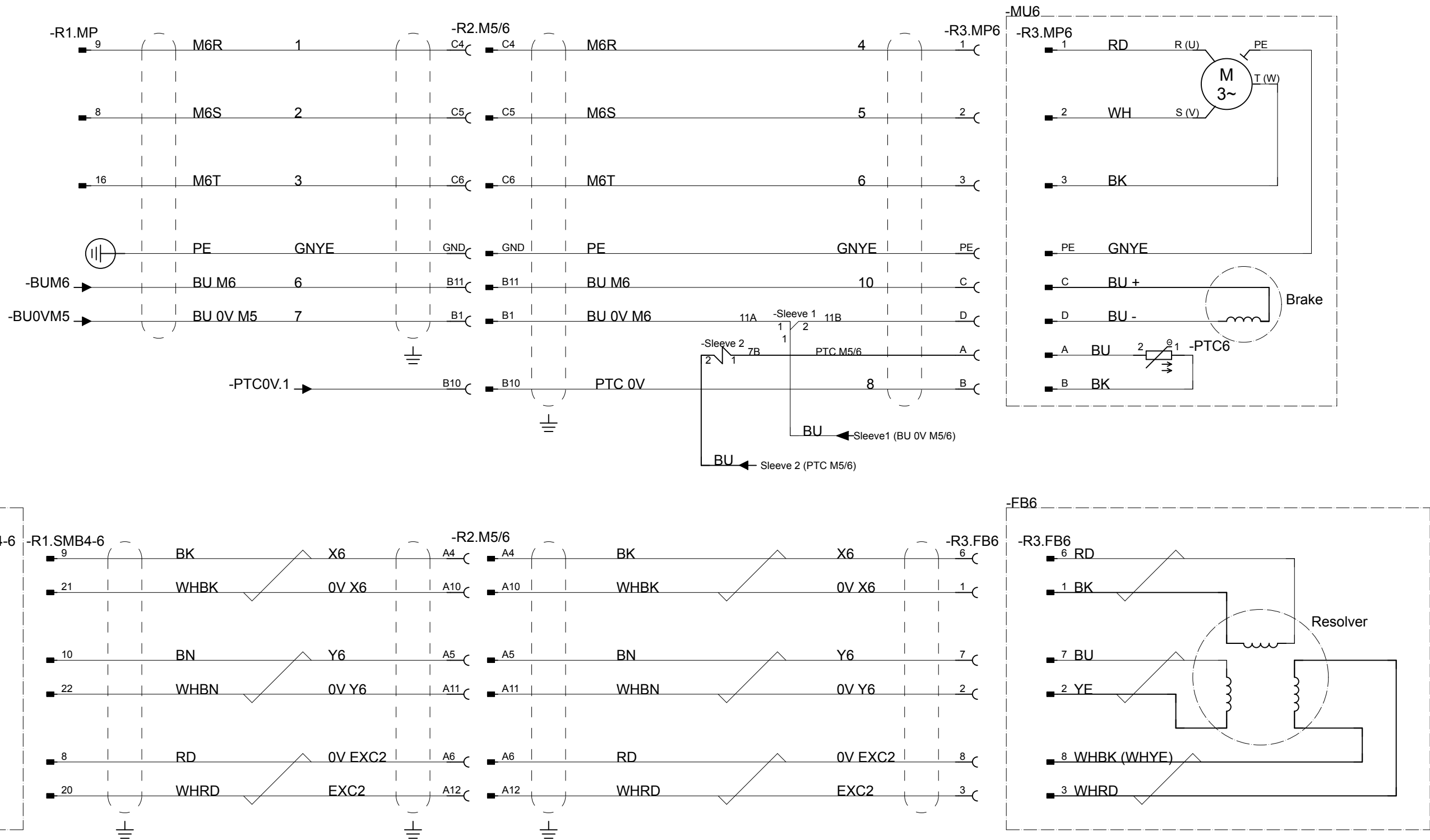
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IRB 66x0 / 7600  
Axis 6, IRB 66X0ID

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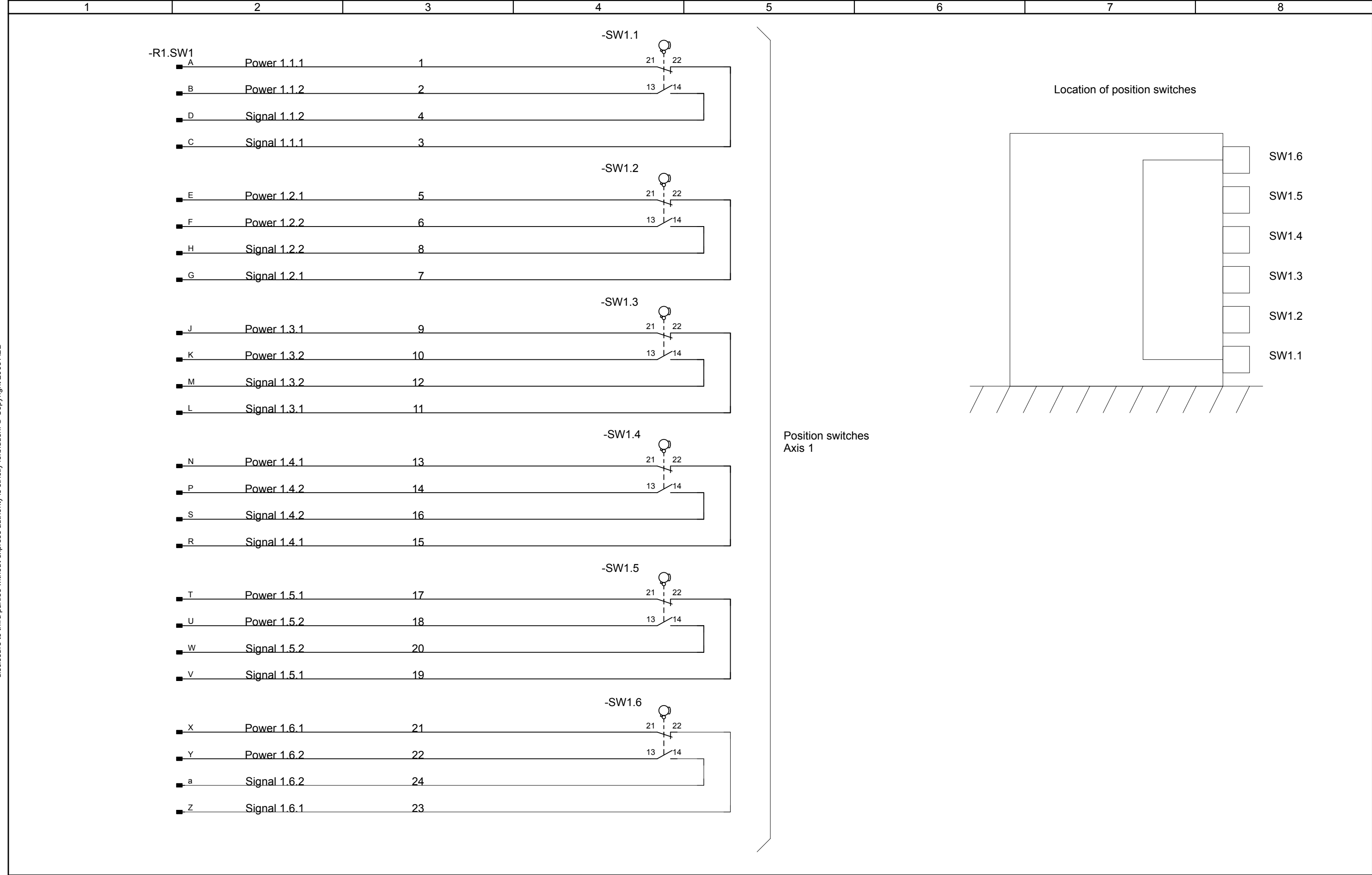
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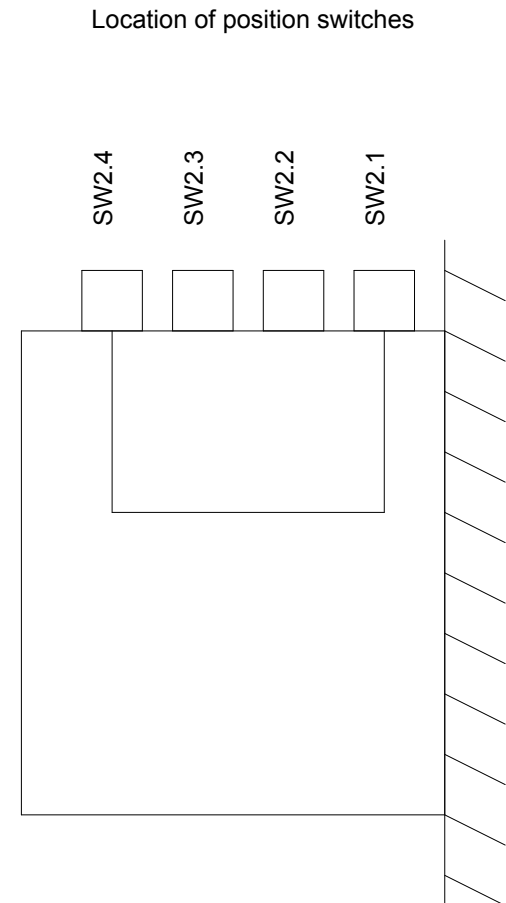
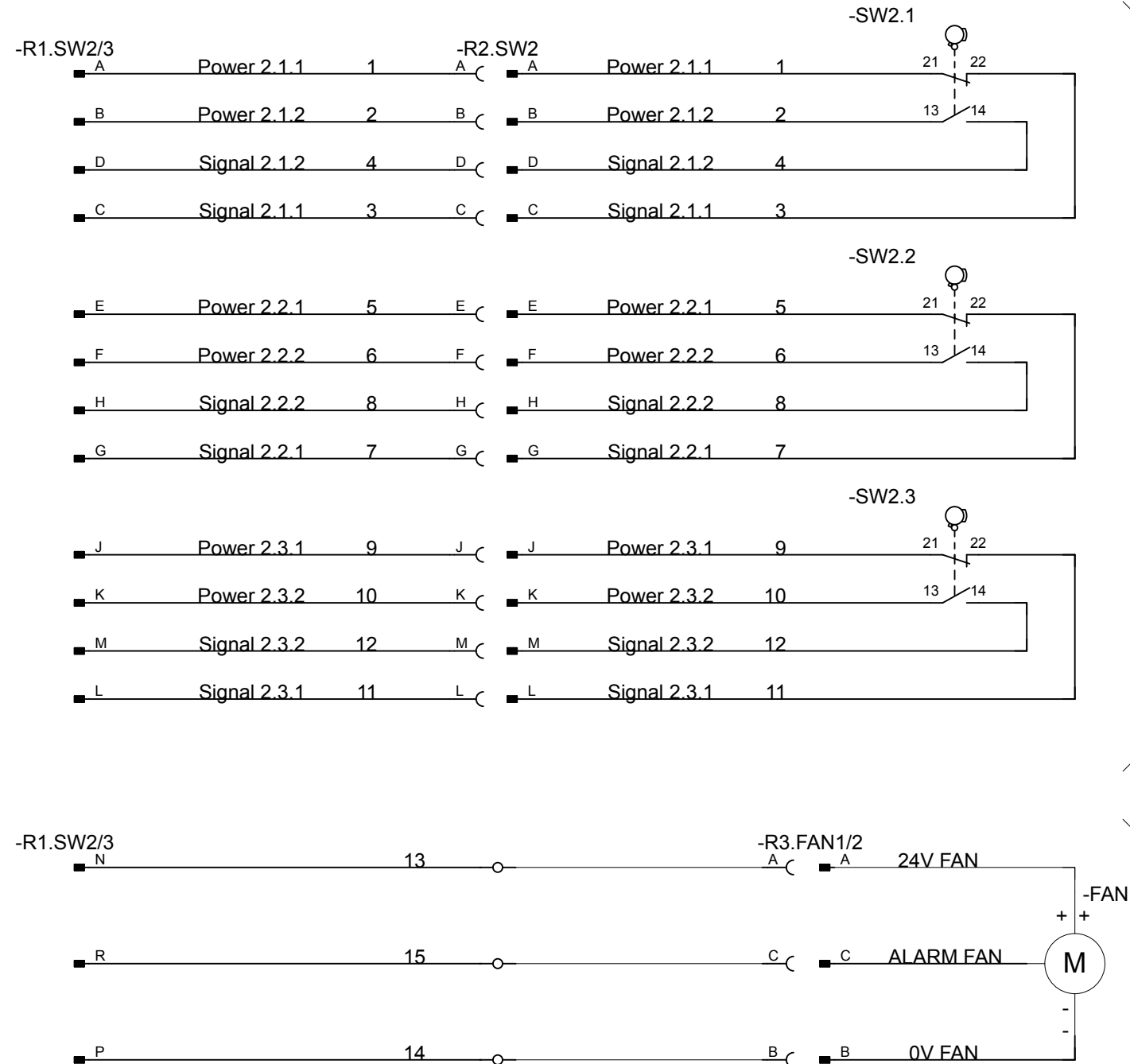
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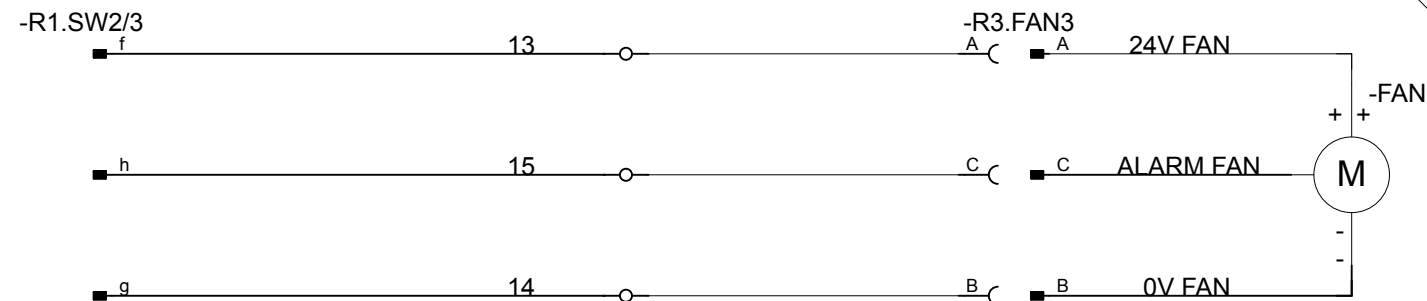
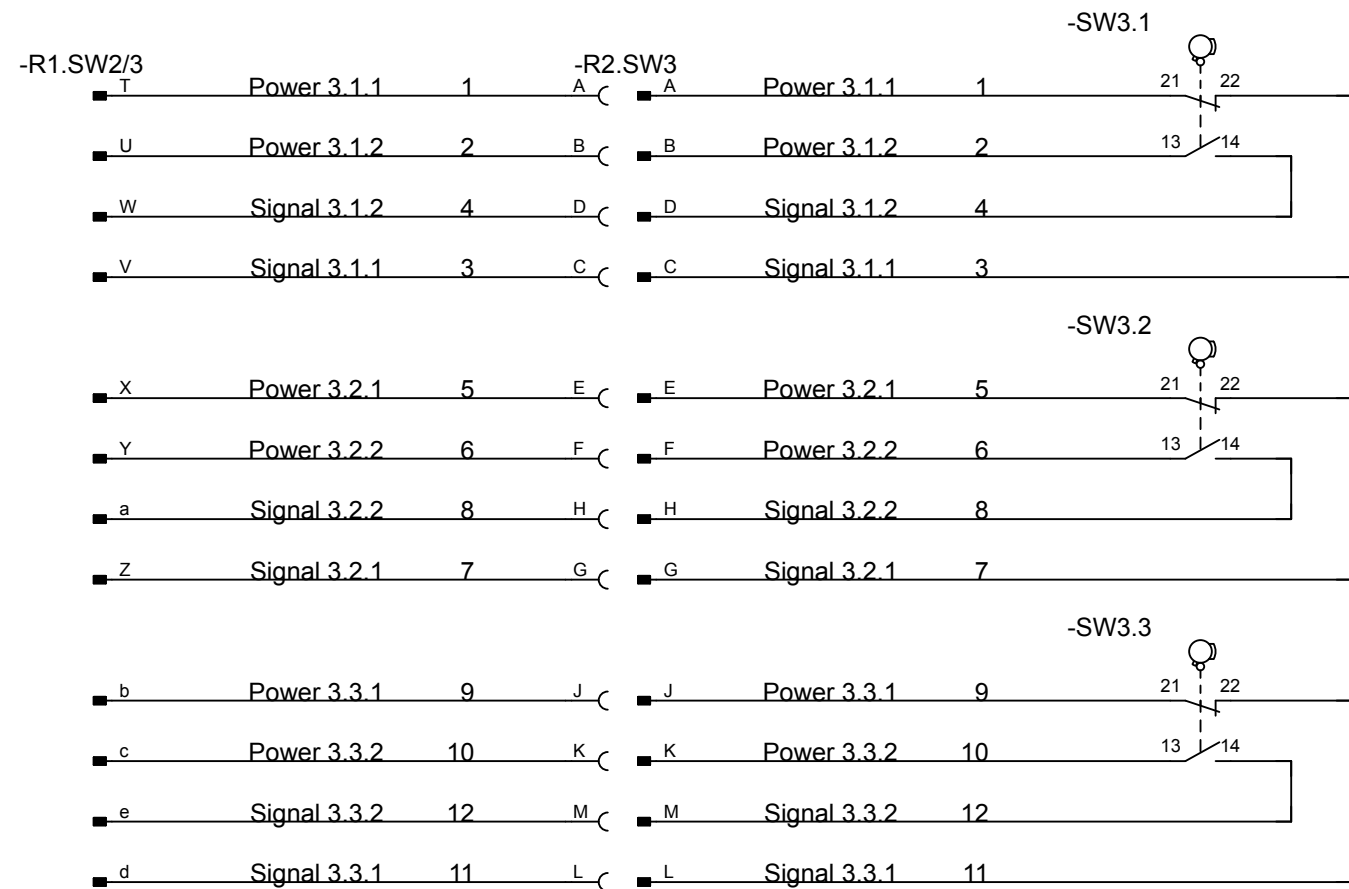


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					Document no.		Sublocation: +		
Prepared by, date: EM 151217		Approved by, date: JN 160114		Pos. switch Axis 1, optional IRB 66X0/7600		3HAC025744-001		Rev. Ind	Page 130
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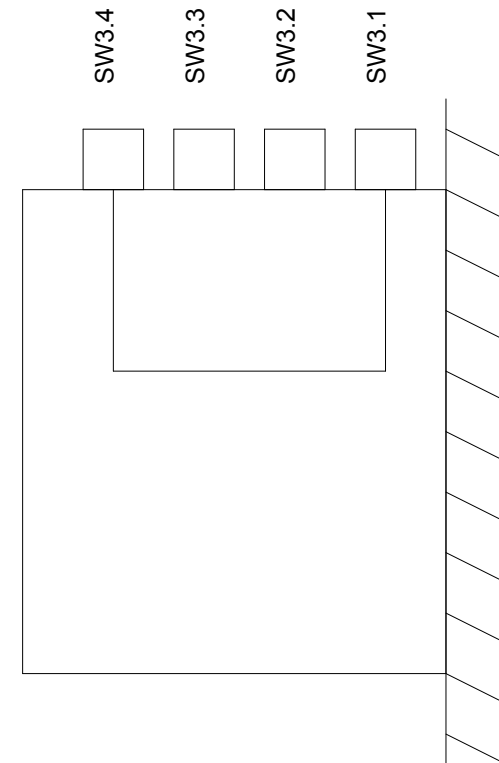
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Position switches  
Axis 3

Fan axis 3

Location of Position switches



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IRB 66x0 / 7600  
Pos. switch Axis 3, fan Axis 3, optional IRB 66x0/7600

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