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Pudong New District, Shanghai, 201319  
P.R.China

Latest revision:  
Rev03 Add R1.C1 floor cable information



Lab/Office:  
RA/RDP

IRB910INV  
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Status:  
Approved

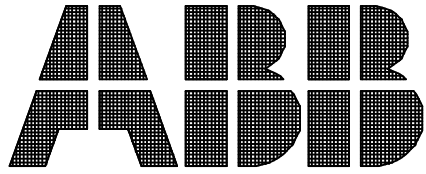
Plant: =  
Location: +  
Sublocation: +

Document no.  
3HAC061899-011

Rev. Ind  
03  
Page 1  
Next 2  
Total 15

Prepared by, date: CNDAHU5

Approved by, date: CNKEWAN10



Description : IRB910INV  
 Drawing number : 3HAC061899-011  
 Drawing version : 03  
 Date :

Customer :  
 Year of construction :

Drawn by : CNDAHU5  
 Number of pages : 15

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IRB910INV  
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Valid for:

This circuit diagram is valid for the following cable harness & board unit assemblies:

Harness for Robot:

- |                |                                |
|----------------|--------------------------------|
| 3HAC063748-001 | Base harness,B+C1+C2+A         |
| 3HAC063748-004 | Base harness,B+C1+A            |
| 3HAC063748-005 | Base harness,B                 |
|                |                                |
| 3HAC063752-001 | Internal harness,B+C1+C2+A,350 |
| 3HAC063752-004 | Internal harness,B+C1+C2+A,550 |
| 3HAC063752-005 | Internal harness,B+C1+A,350    |
| 3HAC063752-006 | Internal harness,B+C1+A,550    |
| 3HAC063752-007 | Internal harness,B,350         |
| 3HAC060416-008 | Internal harness,B,550         |
|                |                                |
| 3HAC063756-001 | Process Hub,B+C1+C2+A          |
| 3HAC063756-004 | Process Hub,B+C1+A             |
| 3HAC063756-005 | Process Hub,B                  |

Board unit for Robot:

- |                |              |
|----------------|--------------|
| 3HAC063968-001 | SMB Unit     |
| 3HAC044075-001 | Battery Unit |

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VALID FOR

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2018-12-25 First version Ver00

2020-08-05 Rev01

Update page 14: Customer Connection


2020-09-04 Rev02

Add twisted cable mark for motor phase/brake/Ethenet cables

2021-01-14 Rev03

Add R1.C1 floor cable information

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Base

Base Interface

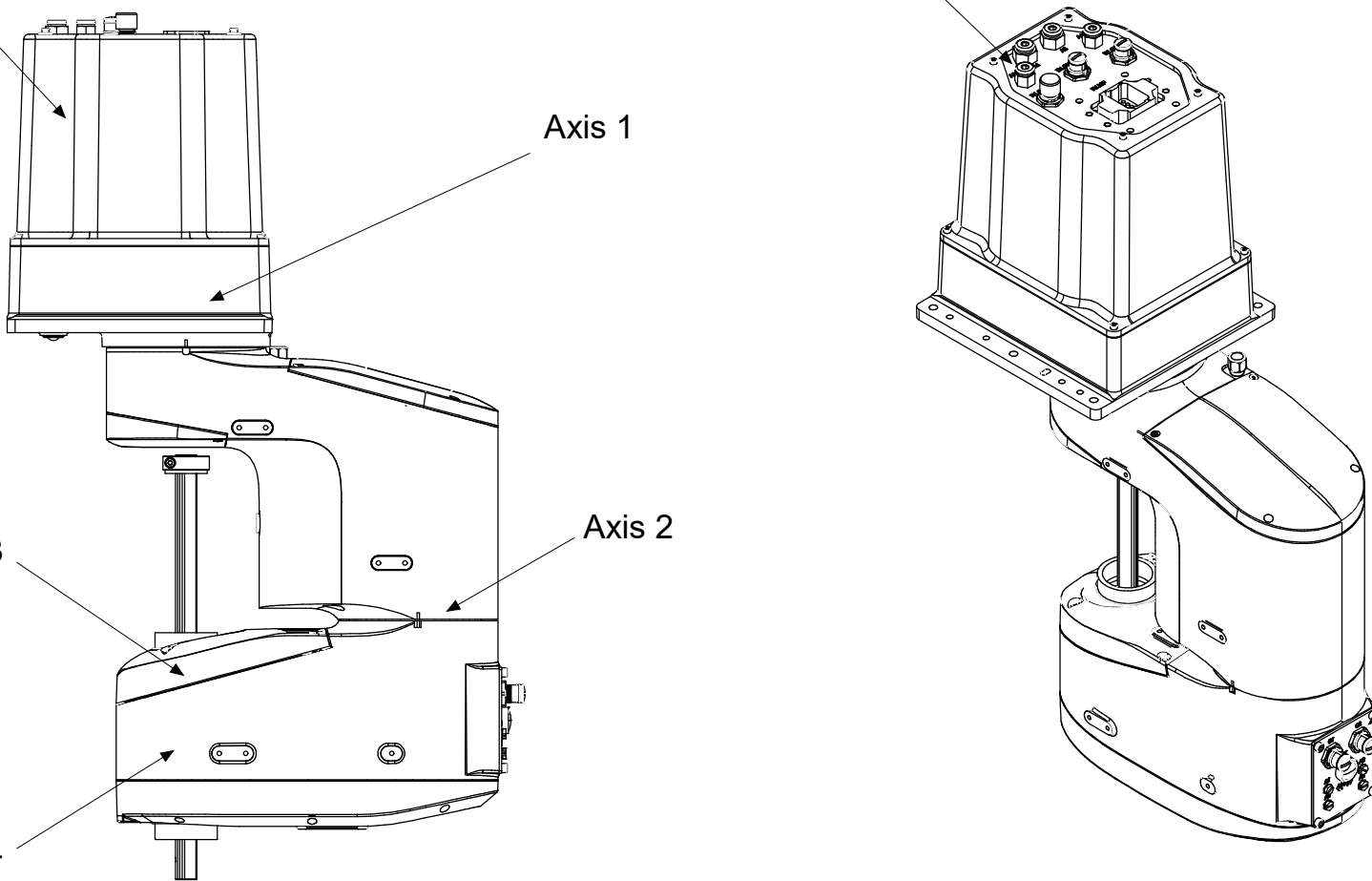
Axis 1

Axis 3

Axis 2

Axis 4

Process Hub



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IRB910INV  
SYSTEM OVERVIEW

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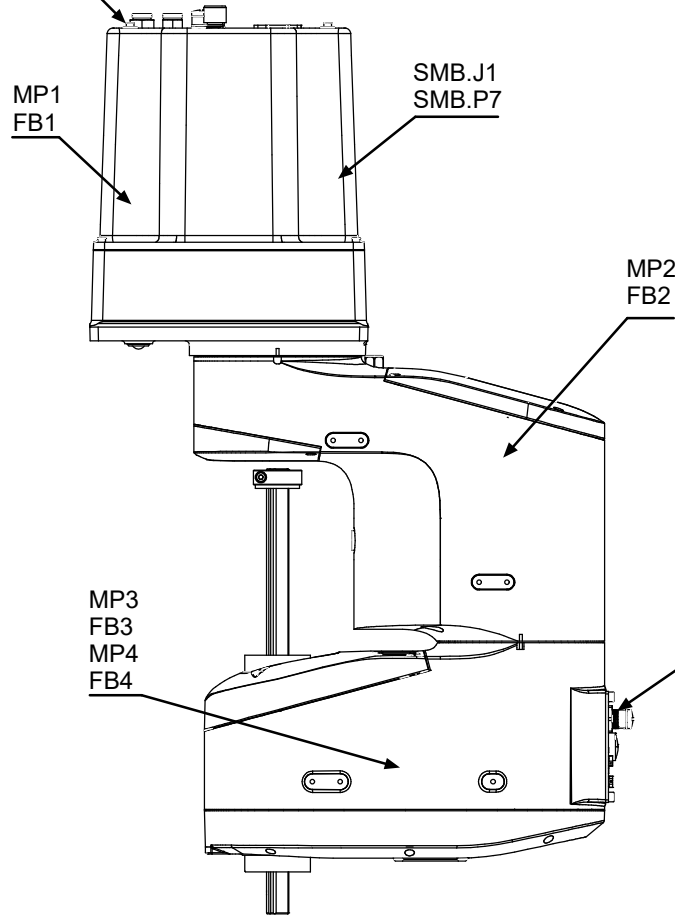
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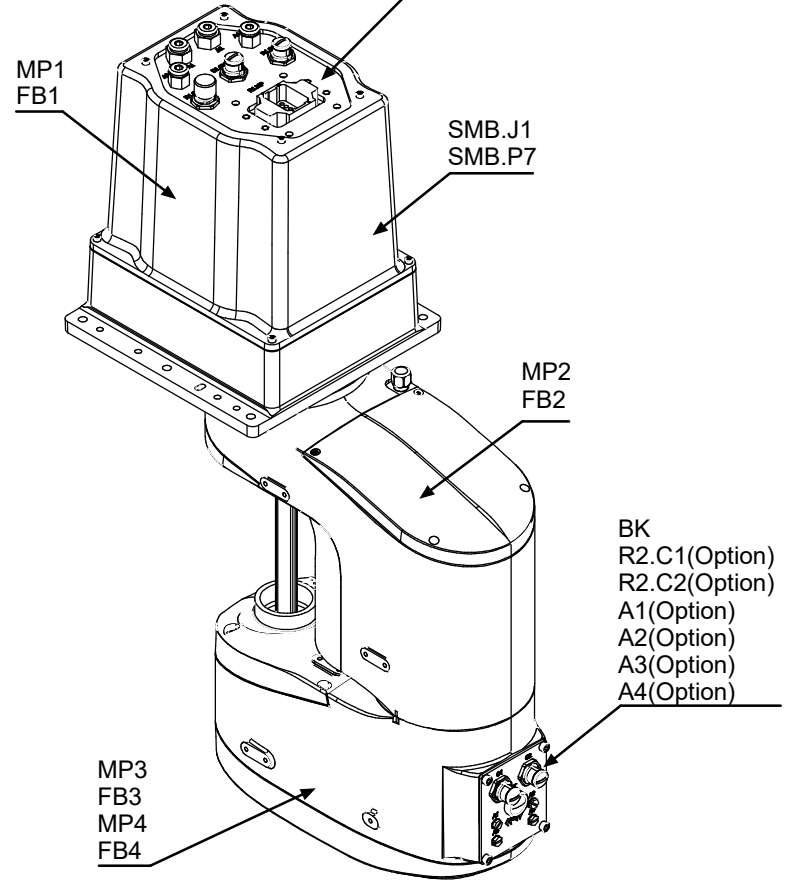
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R1.MP  
 R1.SMB  
 R1.C1(Optional)  
 R1.C2(Optional)  
 A1 (Option)  
 A2 (Option)  
 A3 (Option)  
 A4 (Option)



R1.MP  
 R1.SMB  
 R1.C1(Optional)  
 R1.C2(Optional)  
 A1 (Option)  
 A2 (Option)  
 A3 (Option)  
 A4 (Option)



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 CONNECTION POINT LOCATION

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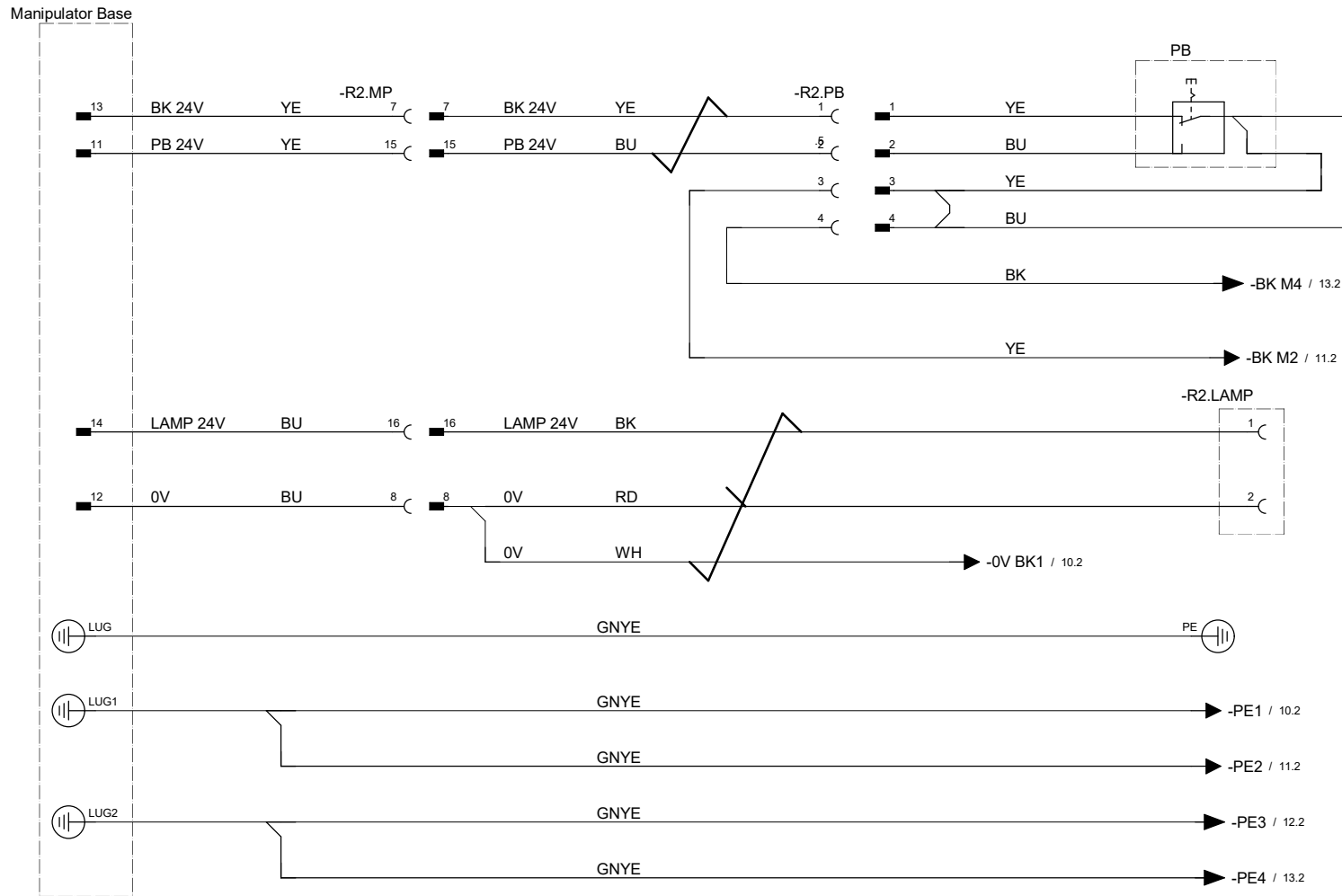
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IRB910INV  
BRAKE RELEASE UNIT

Status:  
Approved

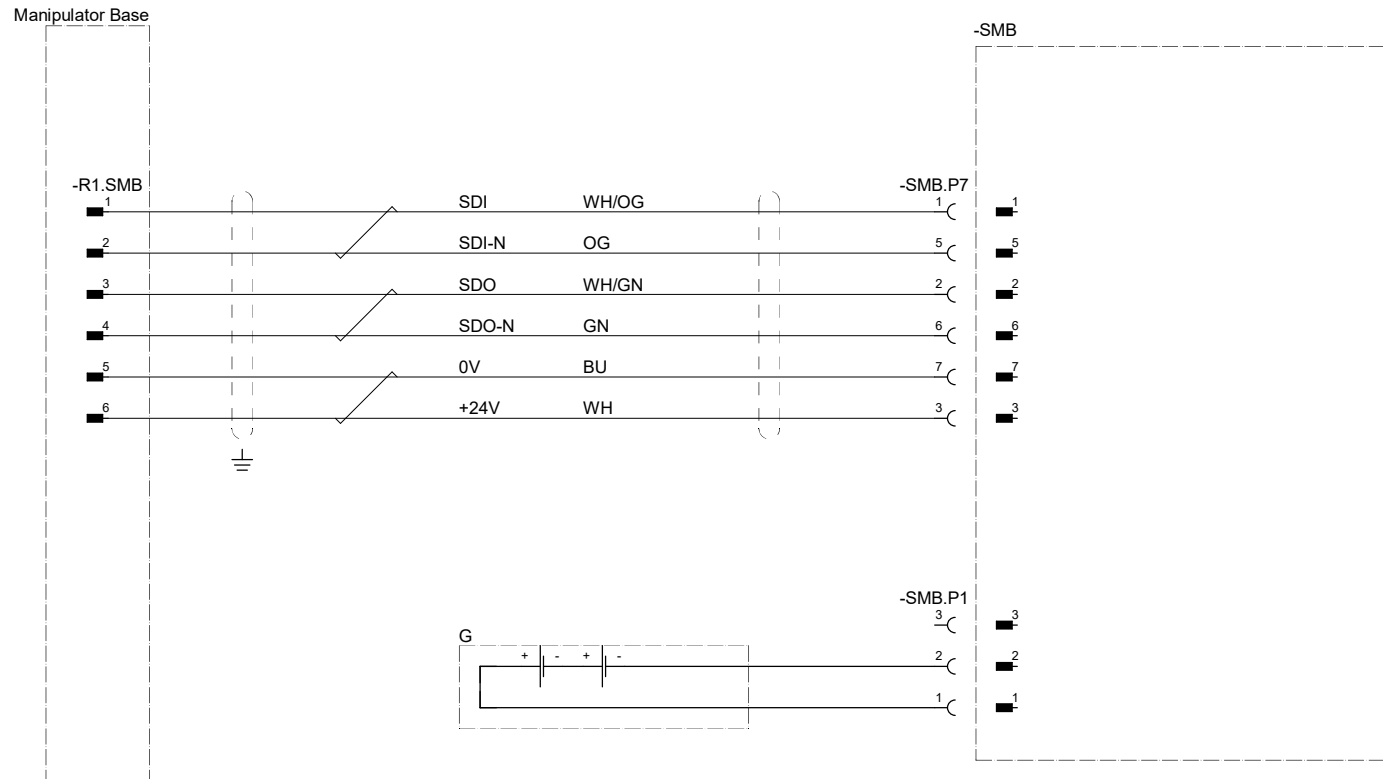
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SERIAL MEASUREMENT BOARD

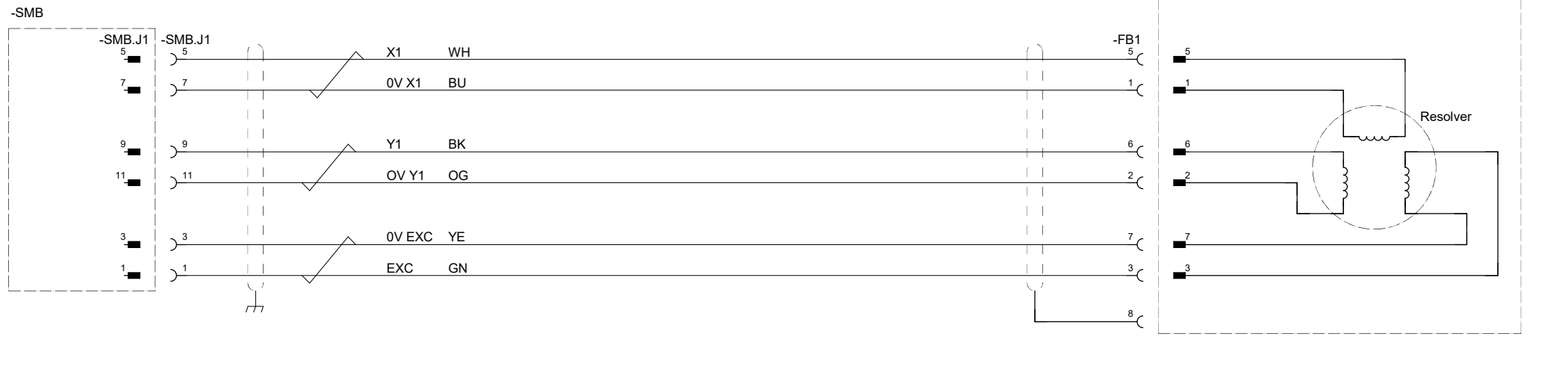
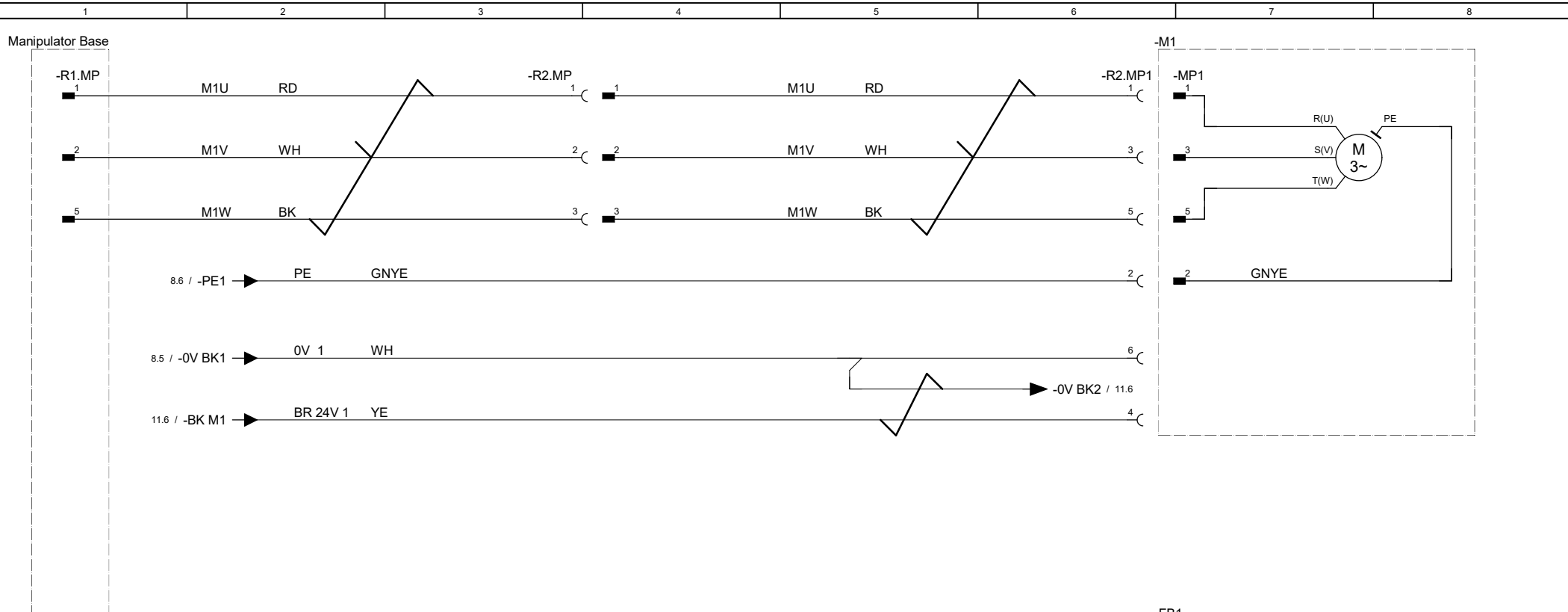
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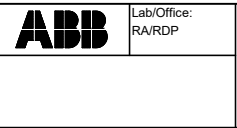
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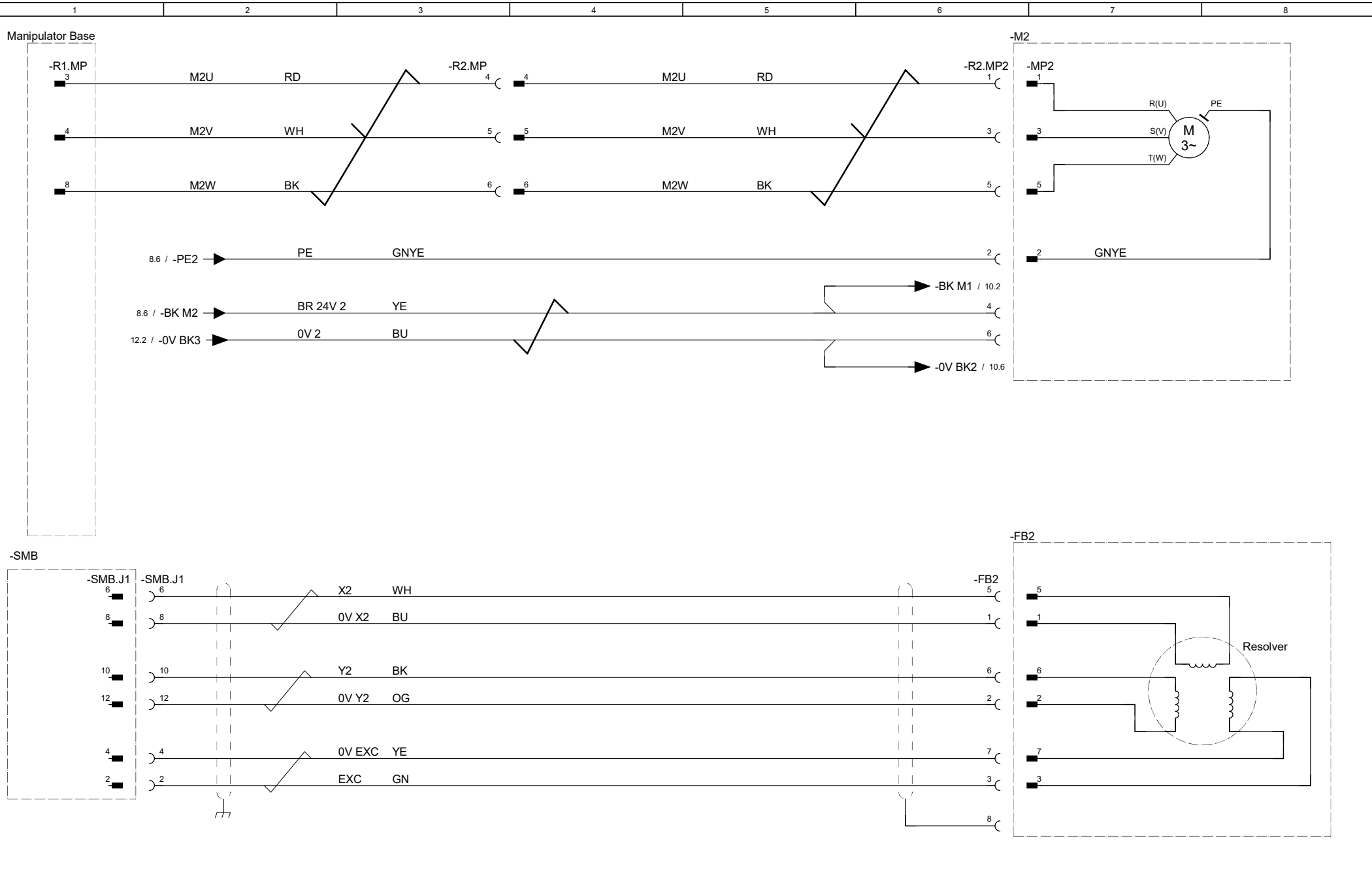


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IRB910INV  
AXIS 1

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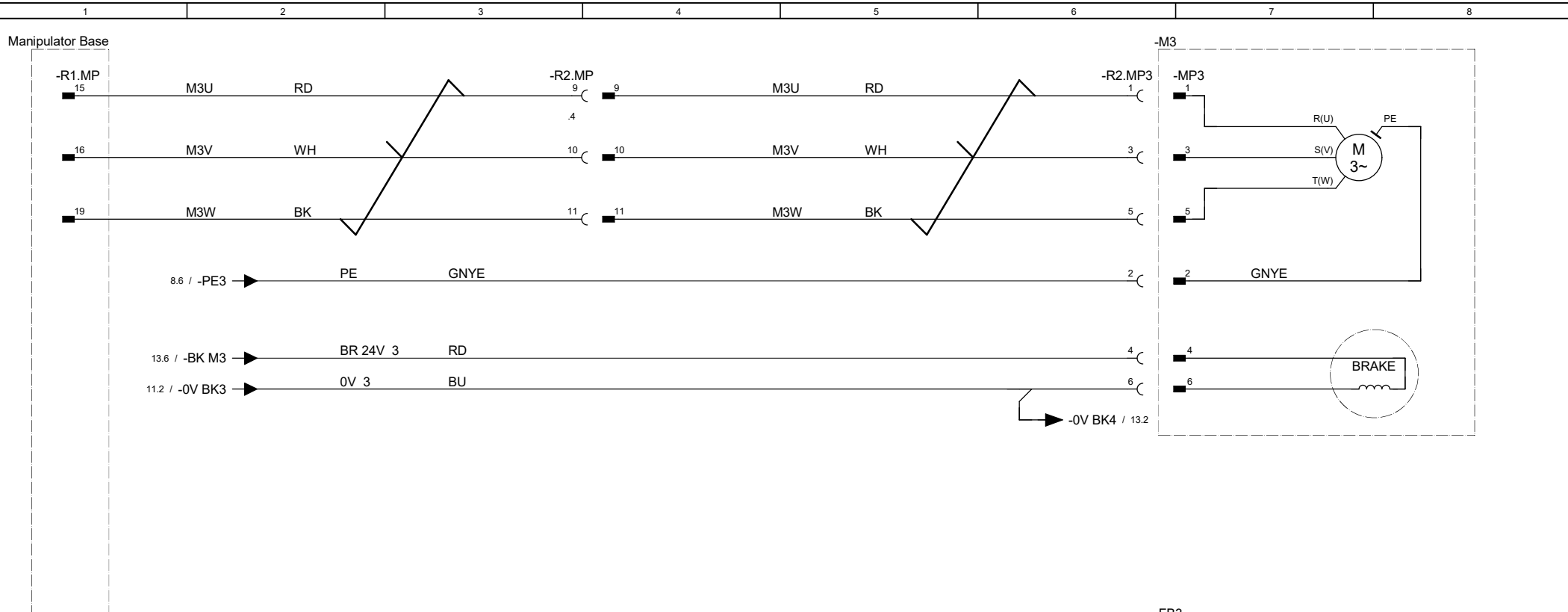


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IRB910INV  
AXIS 2

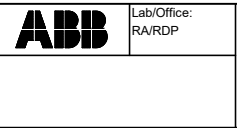
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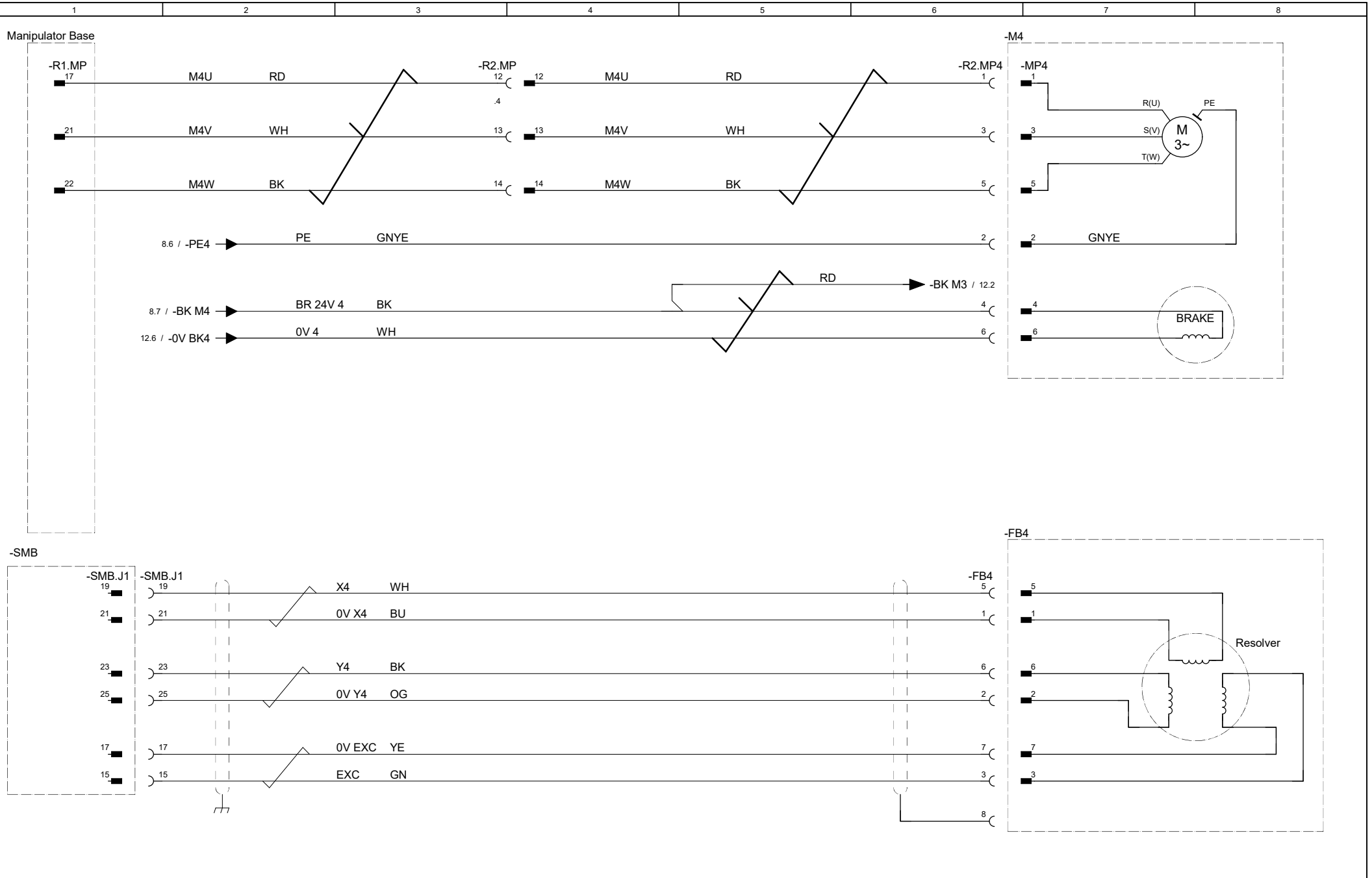


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IRB910INV  
AXIS 3

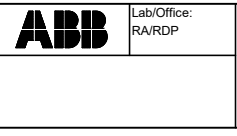
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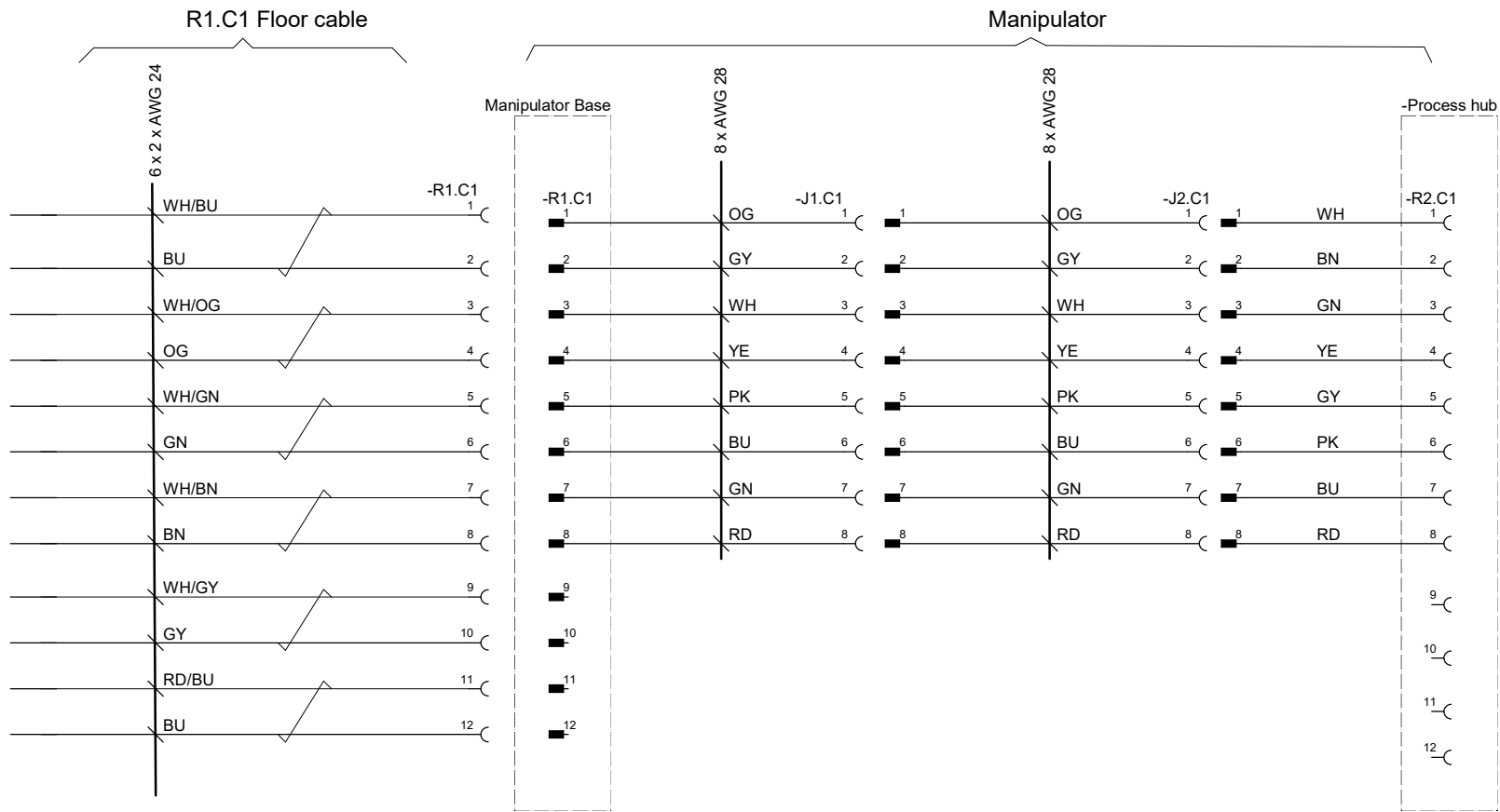


IRB910INV  
AXIS 4

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Free end wire



Note : 1) Maximum rating in each C1 wire: 30V, 1.5A. Stresses above the limitation may cause permanent damage to the manipulator.

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IRB910INV  
CUSTOMER CONNECTION

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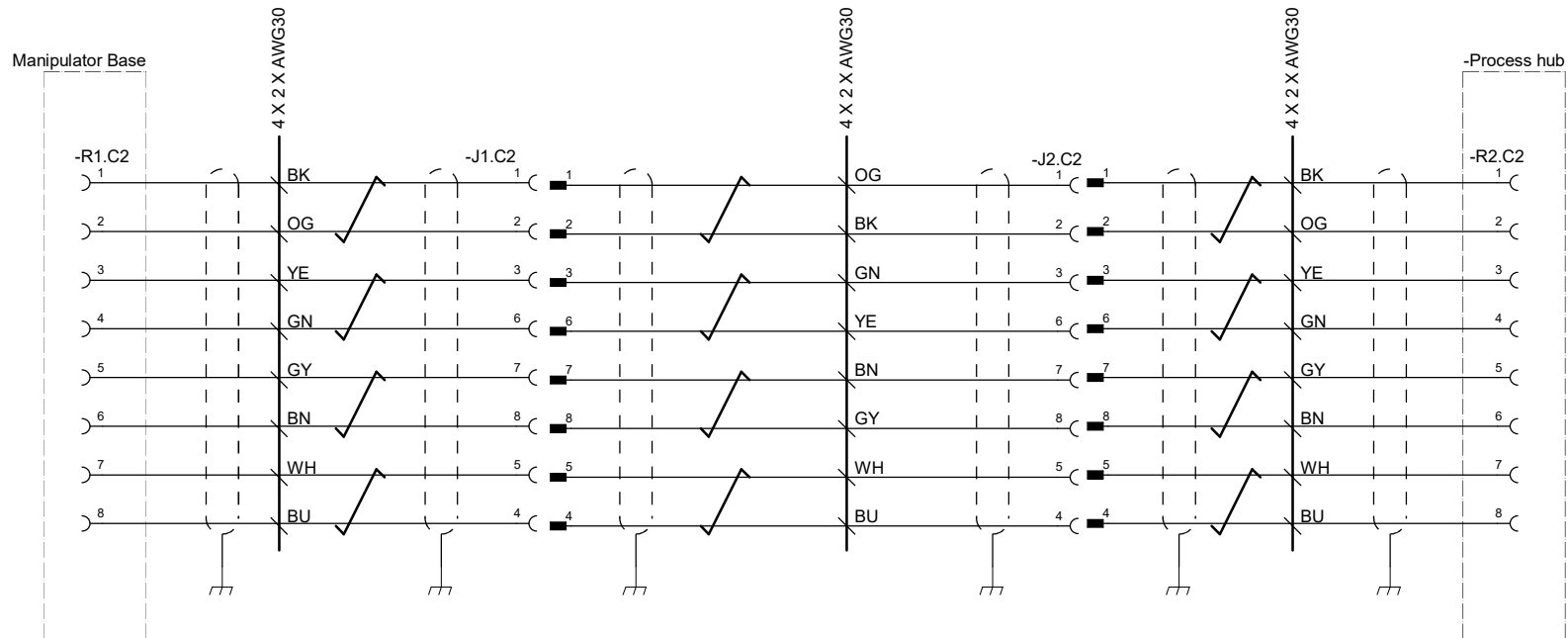
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Note : 1): Maximum rating in each C2 wire: 30V, 1A (when not using for Ethernet). Stresses above the limitation may cause permanent damage to the manipulator.

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