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IRT 510 to Omnicore V-line  
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Document no. 3HAC091050-001			



Description : IRT 510 to Omnicore V-line  
Drawing number : 3HAC091050-001  
Drawing version : 00  
Date : 4/22/2024

Customer :  
Year of construction :

Drawn by : CNYAZHA48  
Number of pages : 25

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IRT 510 to Omnicore V-line  
TITLE PAGE

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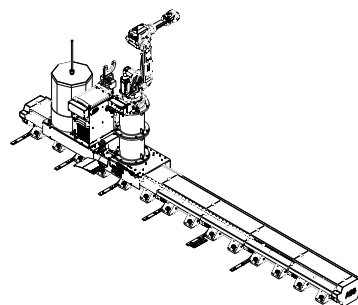
2024-04-22 Revision Ver00  
First version for IRT510 with Omnicore V-line

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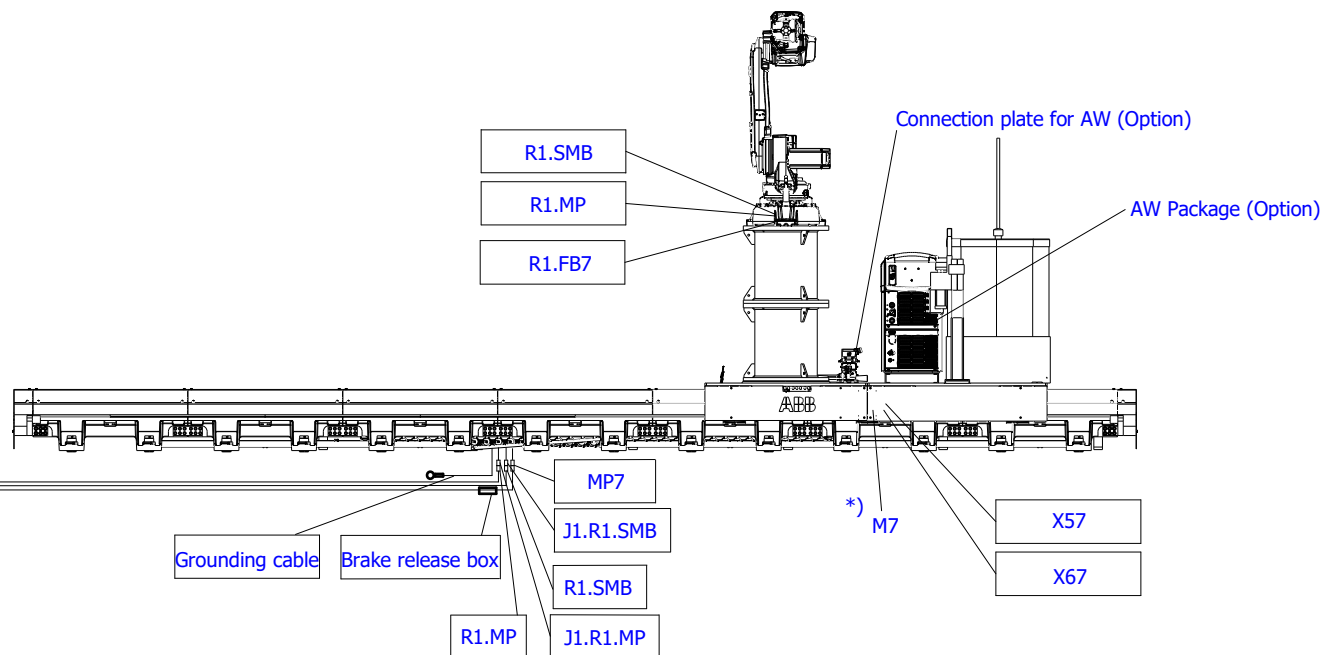
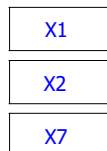
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\*) SYSTEM CONFIGURATION

MOTOR No	SMB NODE No	UNIT
M7	7	ROBOT TRACK



Omnichore V250XT/V400XT



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IRT 510 to Omnicore V-line  
BLOCK DIAGRAM (ROBOTTRACK)

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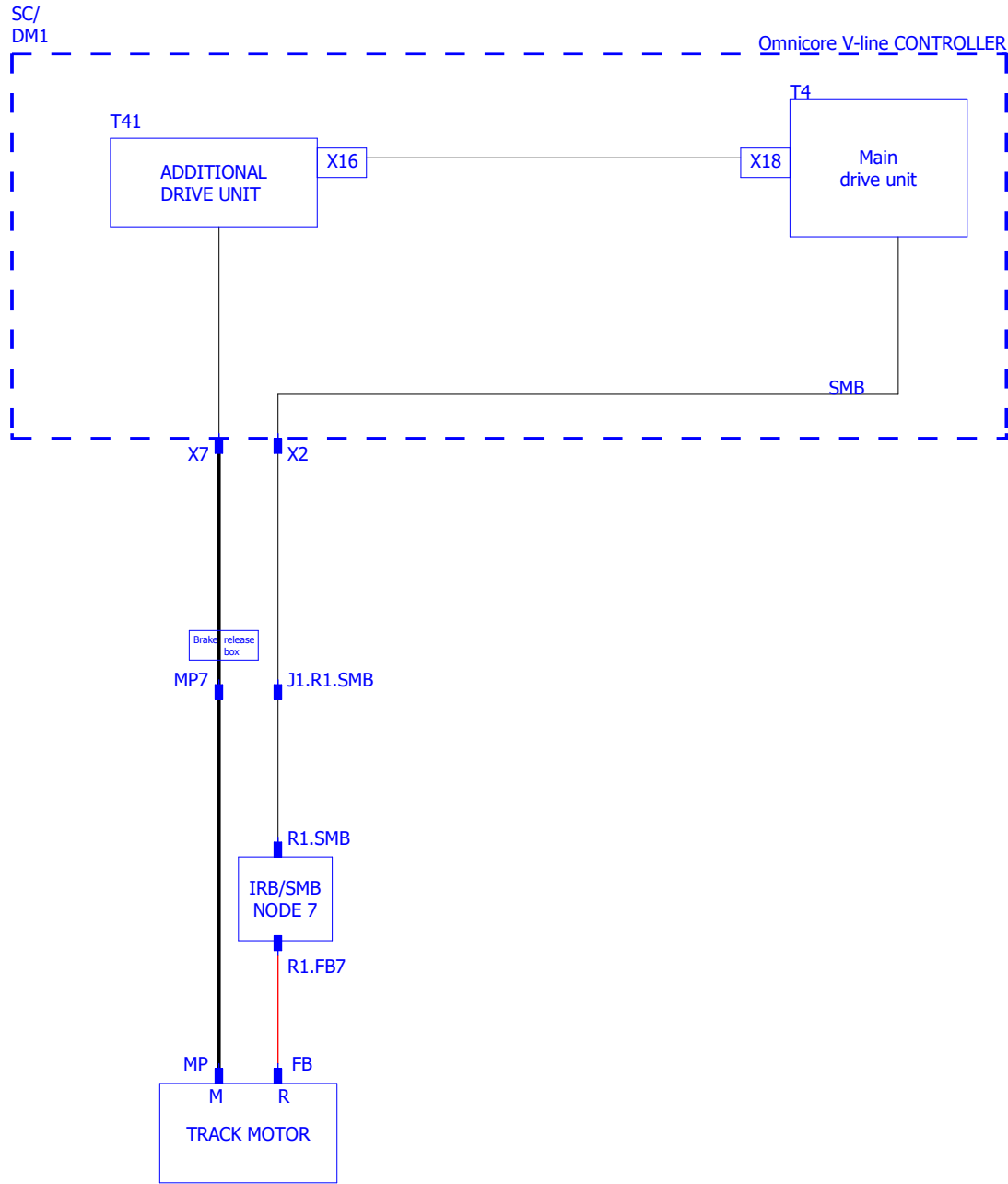
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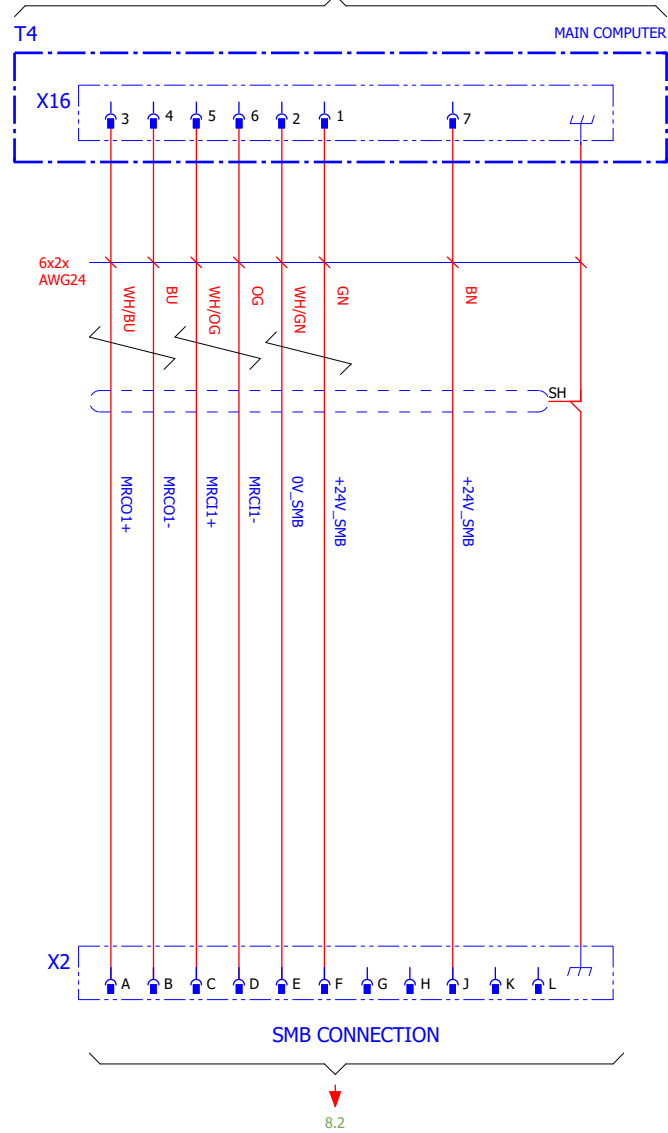
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IRT 510 to Omnicore V-line  
MEASUREMENT SYSTEM 1  
ROBOTTRACK

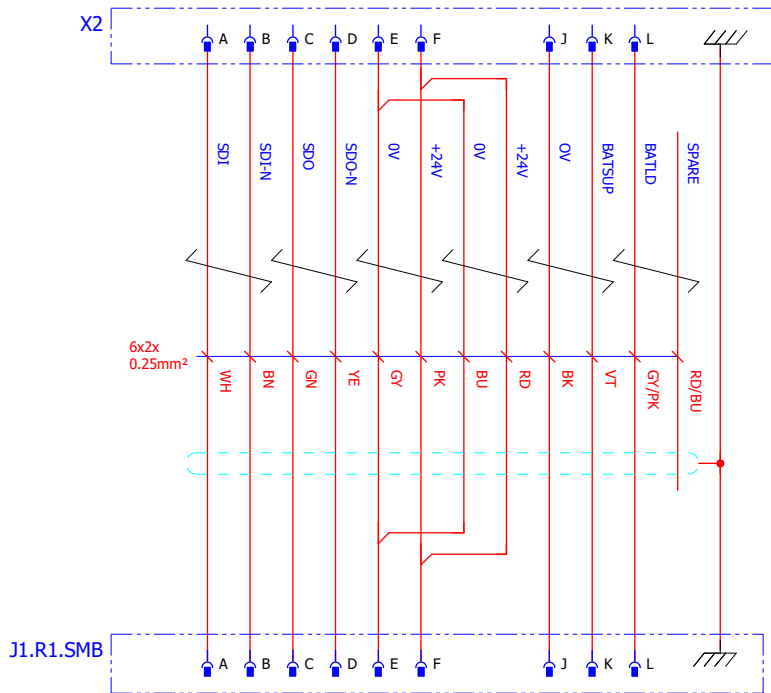
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9.7

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IRT 510 to Omnicore V-line  
RESOLVER CABLE, ROBOT

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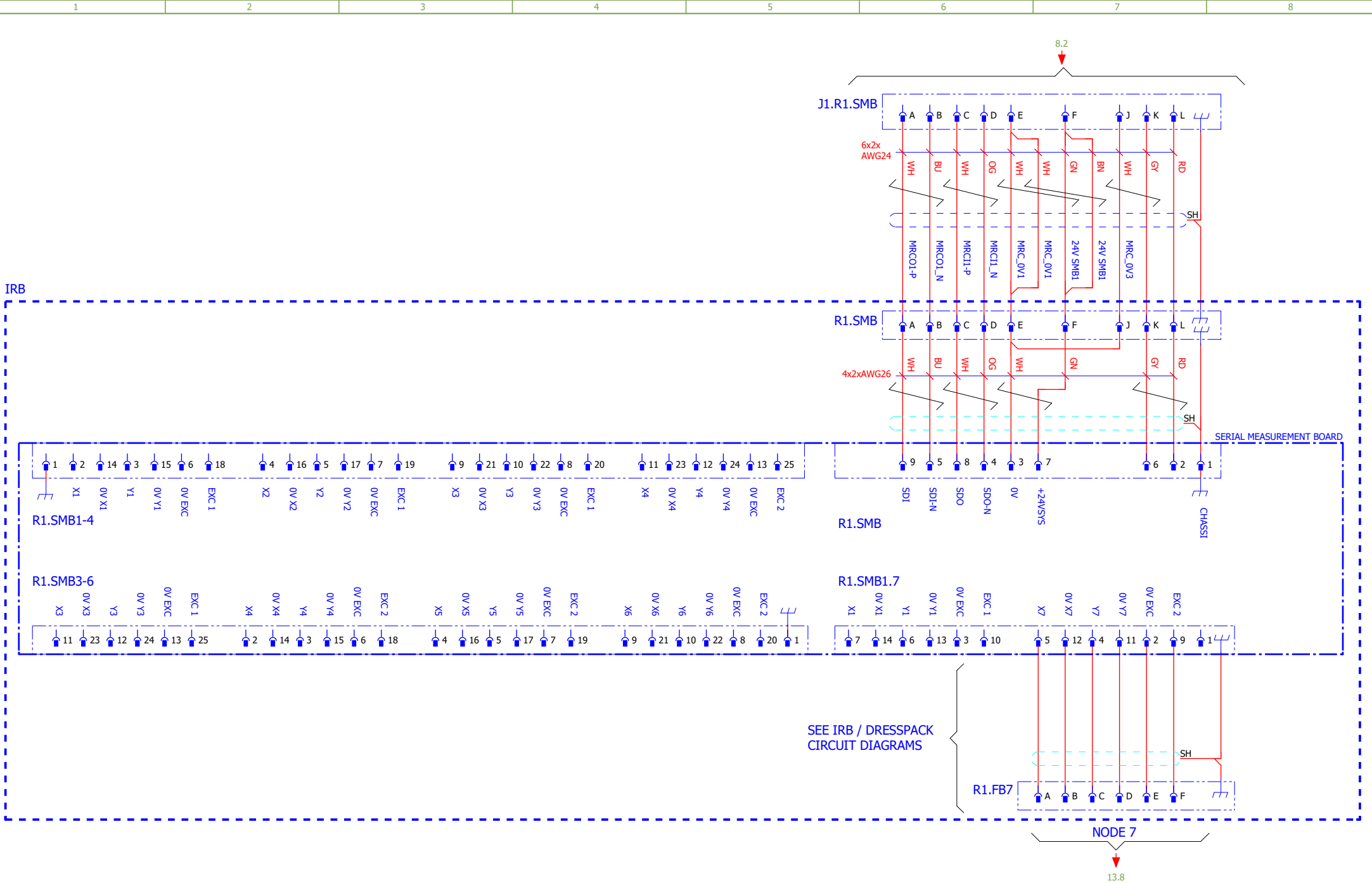
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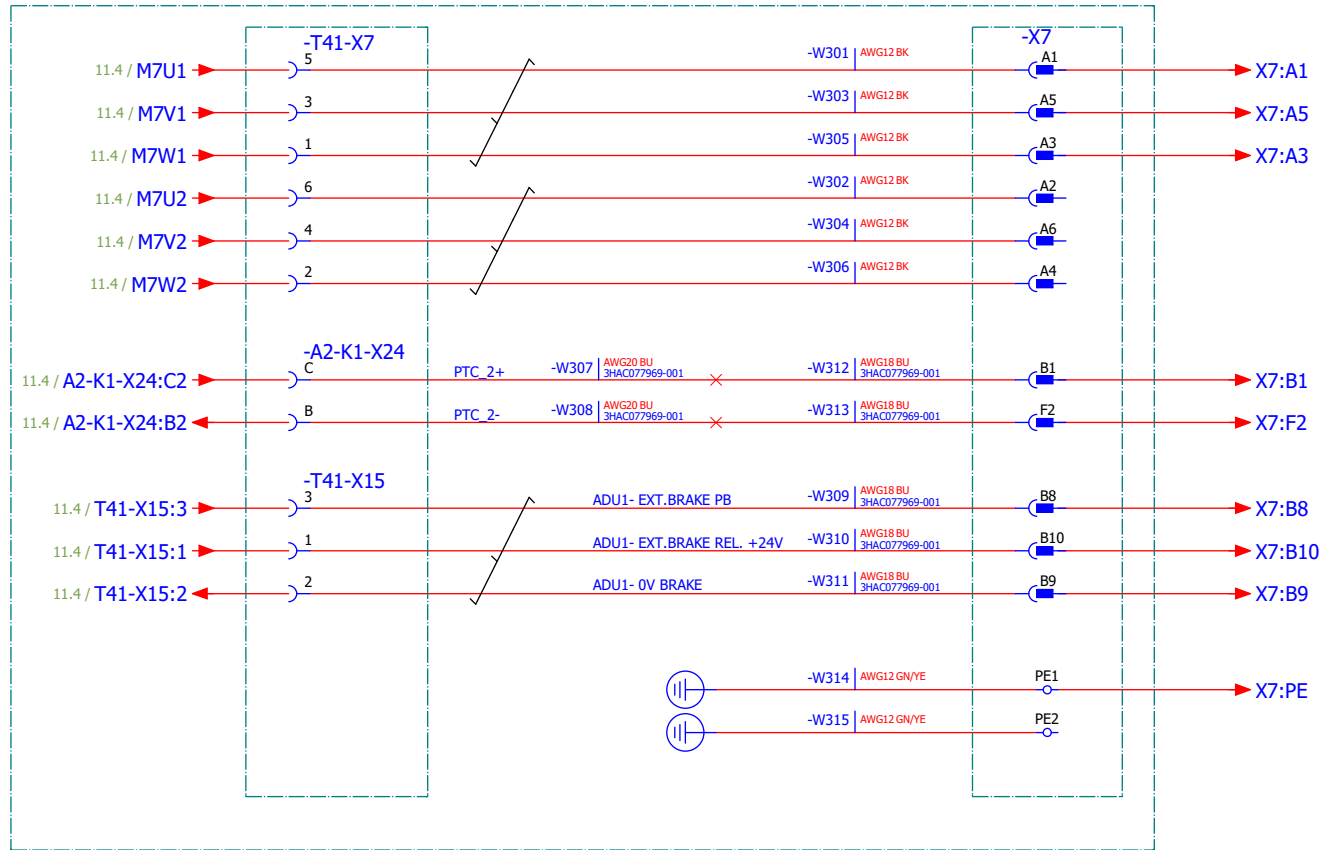
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 IRB SERIAL MEASUREMENT BOARD  
 NODE 7 ROBOTTRACK

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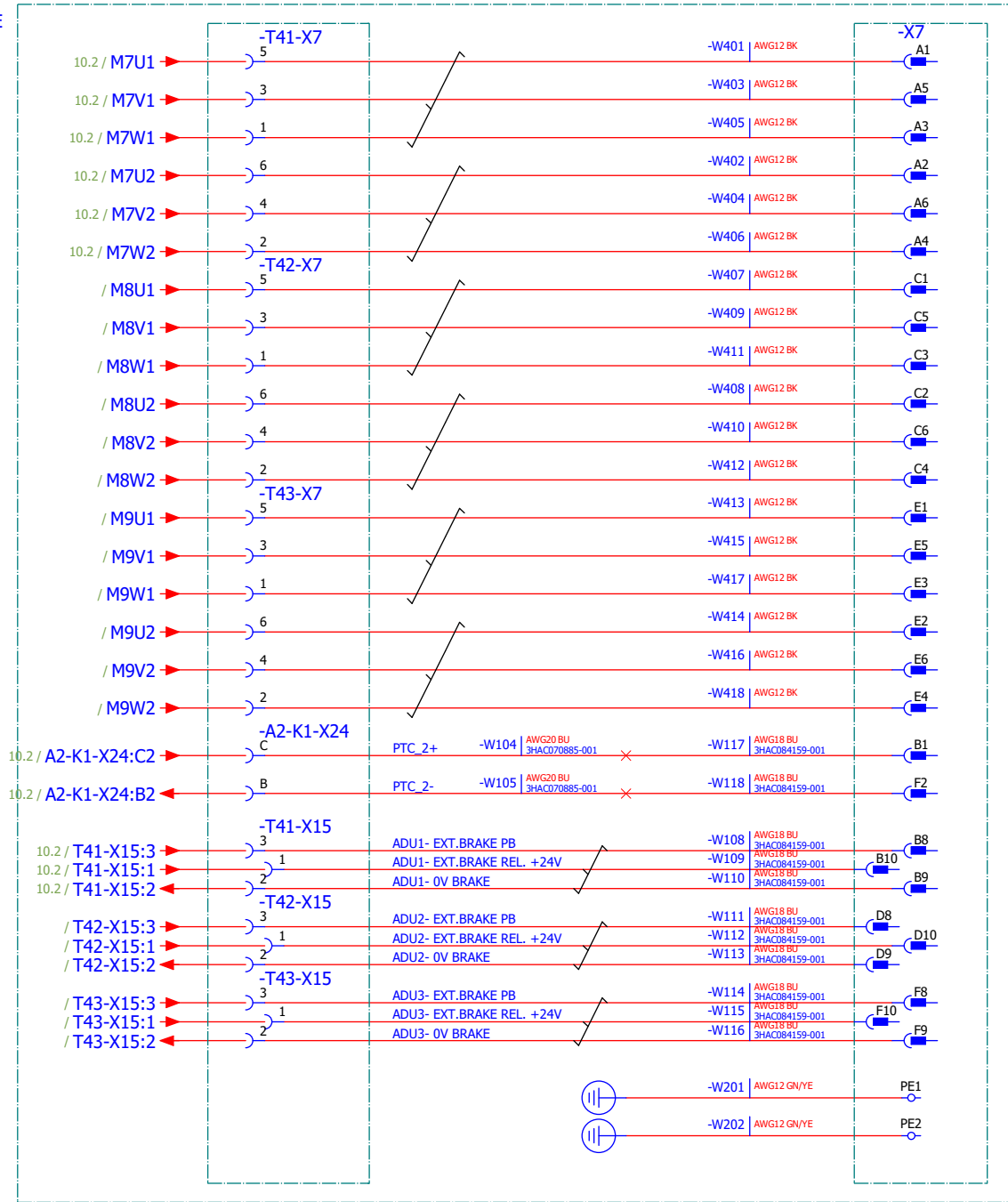
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SEE EL.DWGS FOR THE OMNICORE V-LINE CONTROLLER



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According to Motor-ConnectionBox circuit diagram 3HAC088150-001

\*) PTC Jumper as default.

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IRT 510 to Omnicore V-line  
EXTERNAL AXIS no 7, 8, 9 A41.3 .4 .5

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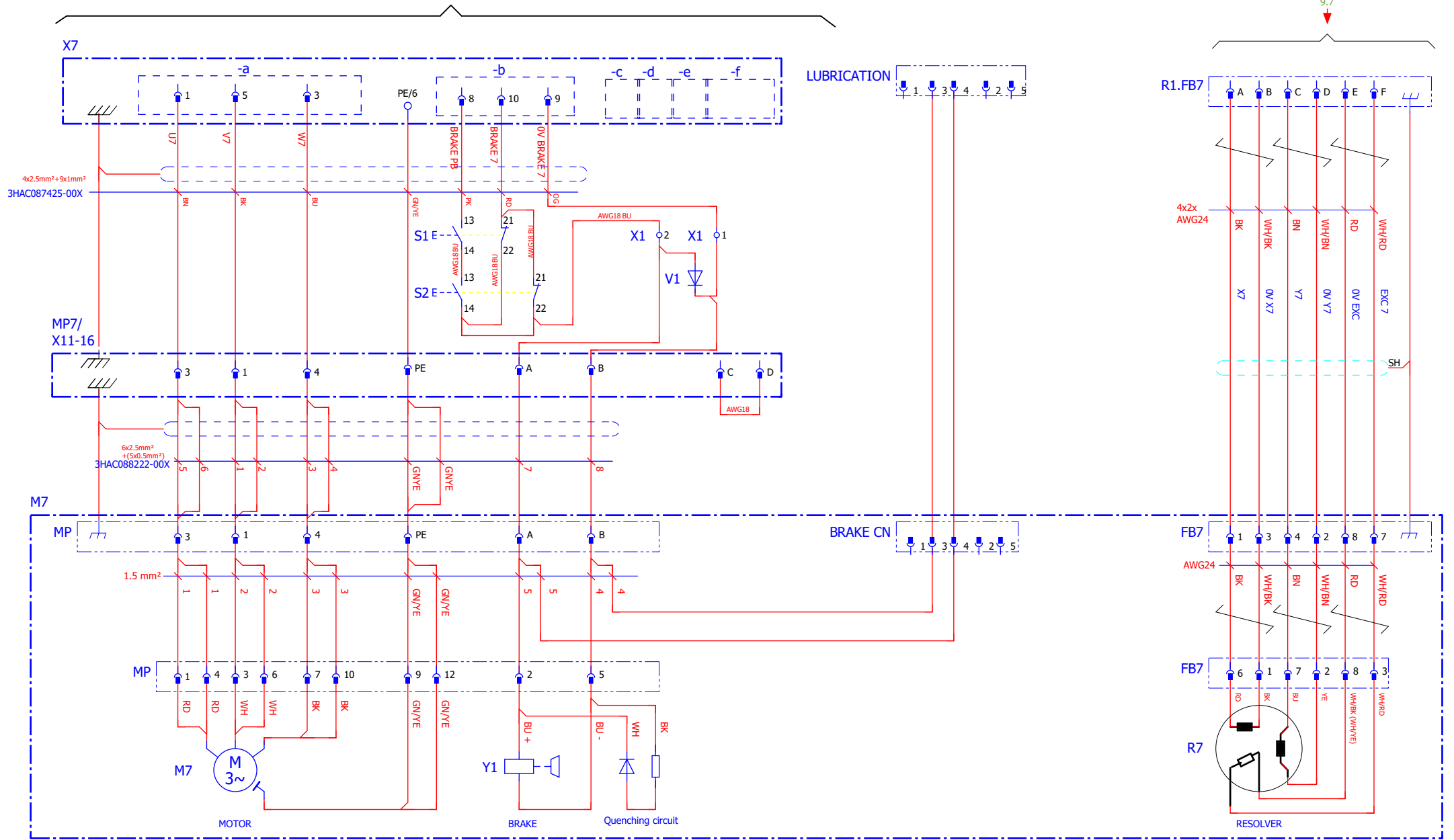
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IRT 510 to Omnicore V-line  
MOTOR, ROBOTTRACK

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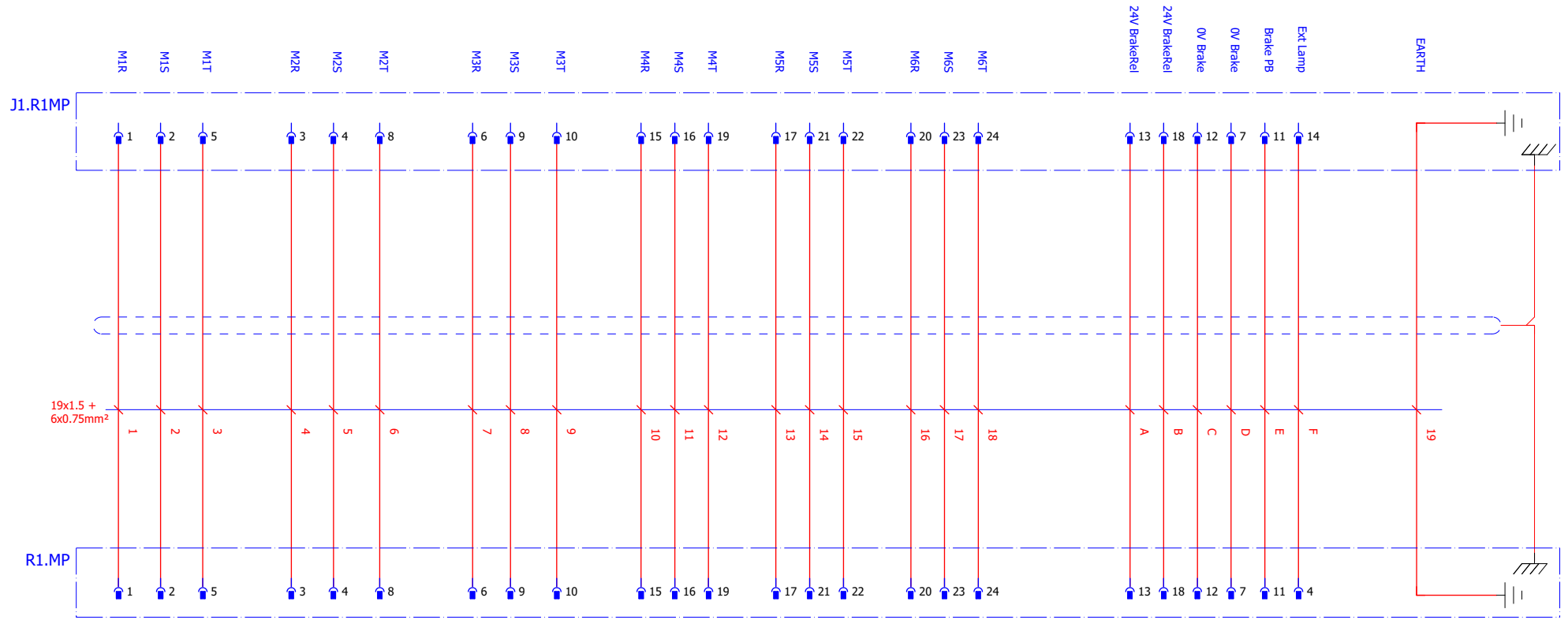
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IRT 510 to Omnicore V-line  
ROBOT MOTOR CABLE, IRB 1520

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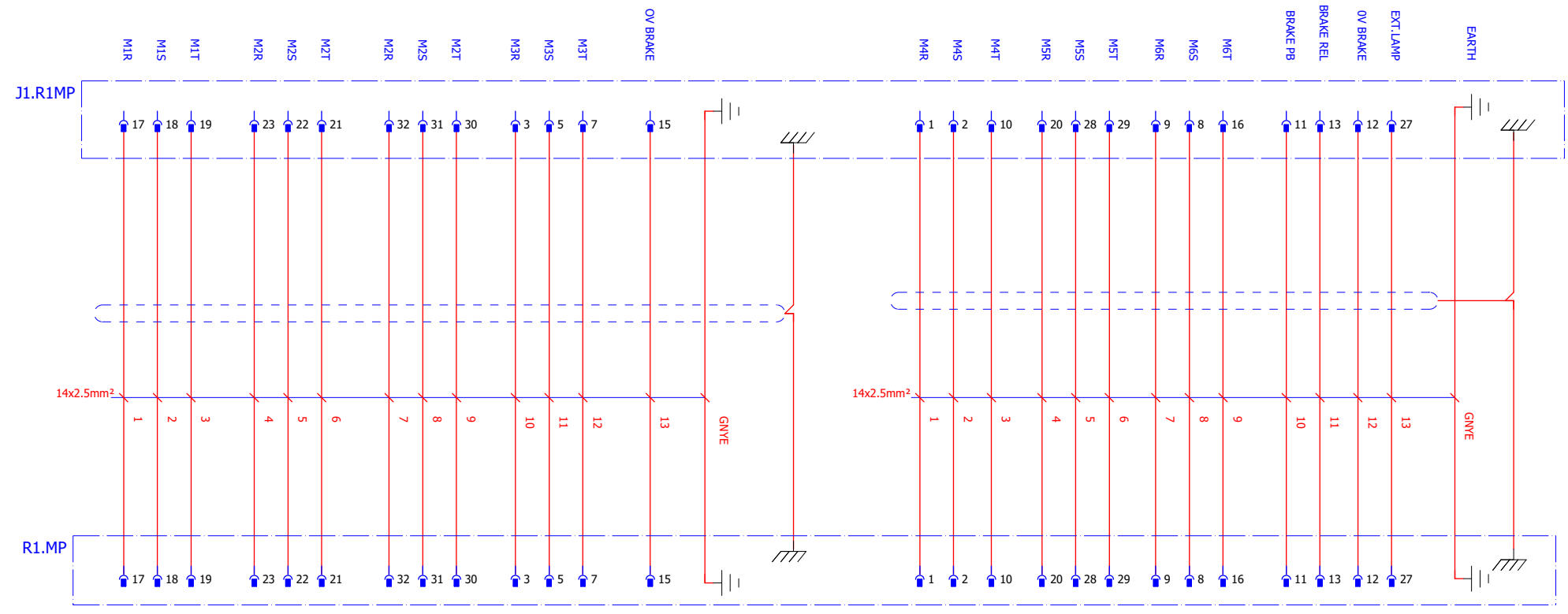
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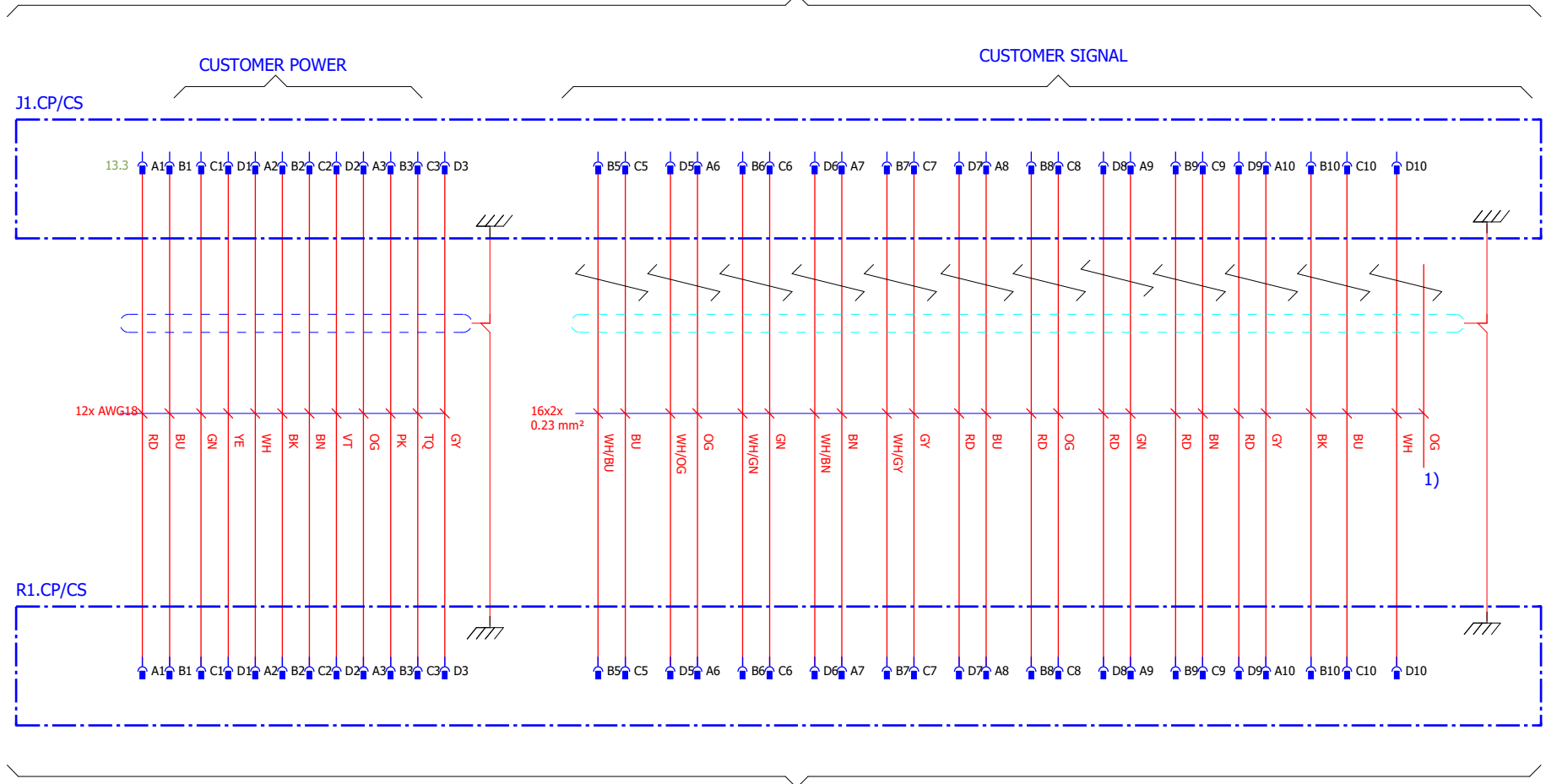
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IRT 510 to Omnicore V-line  
ROBOT MOTOR CABLE, IRB 26/4600

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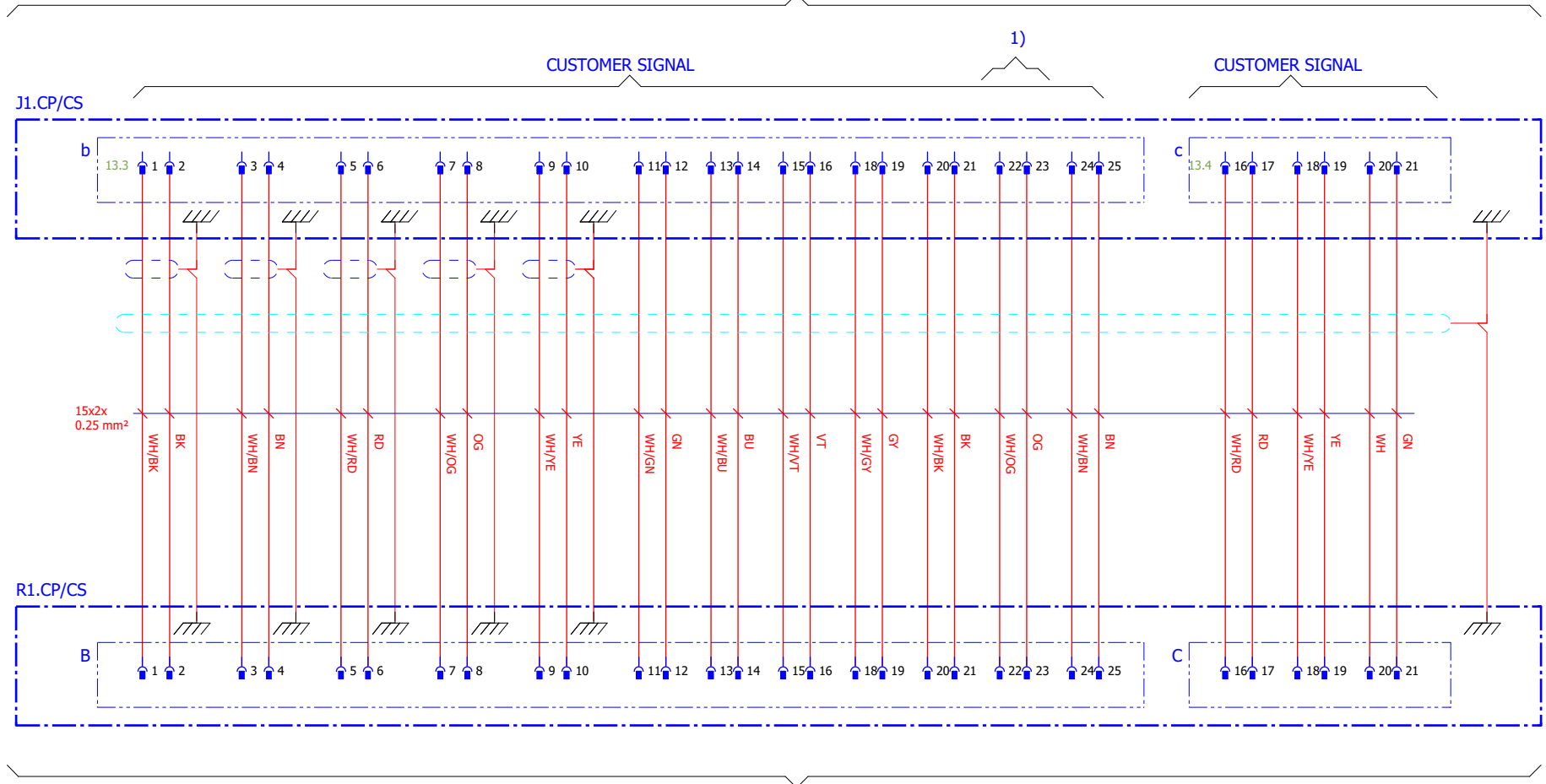
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1) Spare wire need be cut off.

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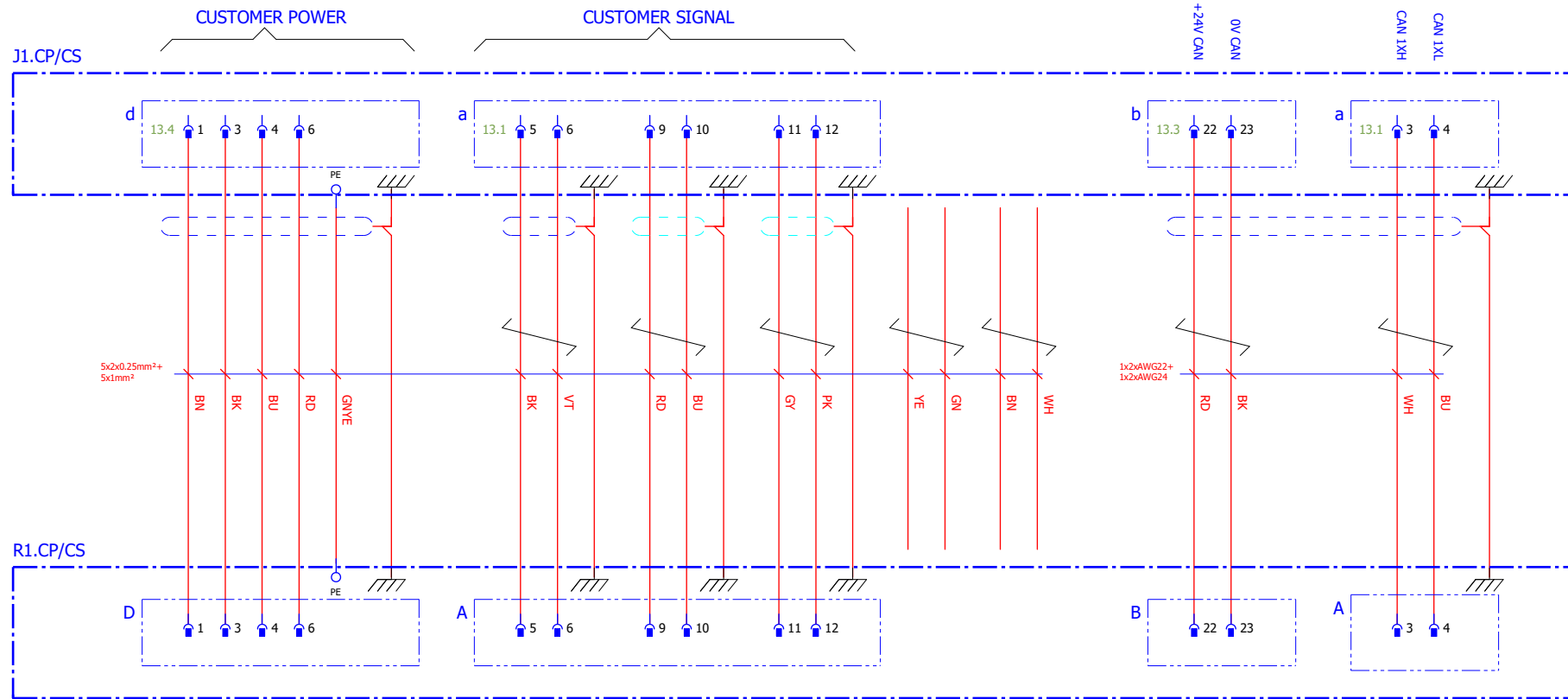


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1) Part OG, WH/OG not connected to b/B.22,23 when Opt. DeviceNet, see sh. 13.

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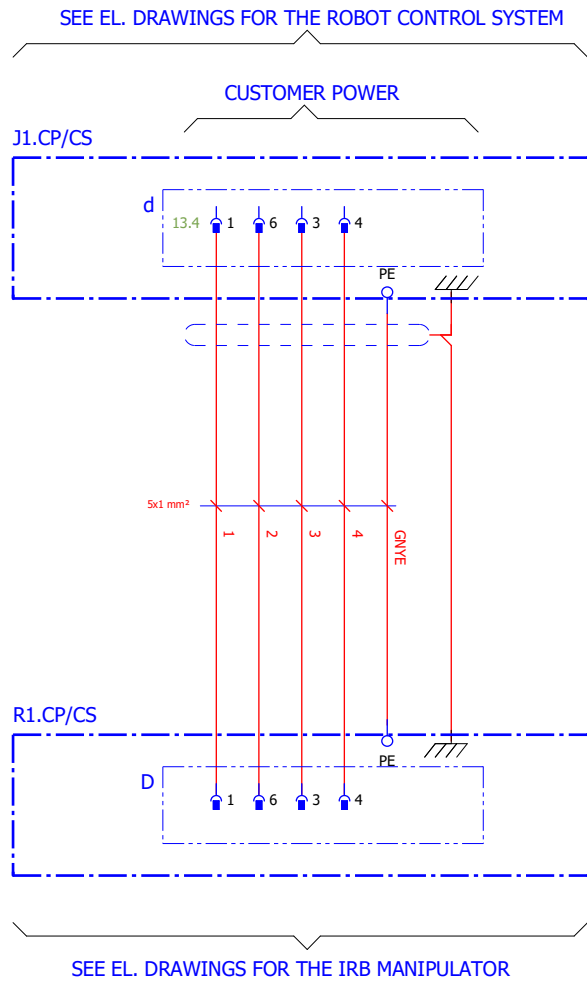
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IRT 510 to Omnicore V-line  
 OPTION CUSTOMER POWER/SIGNAL  
 DEVICENET, IRB 26/4600

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IRT 510 to Omnicore V-line  
OPTION CUSTOMER POWER/SIGNAL  
PARALLEL, IRB 26/4600

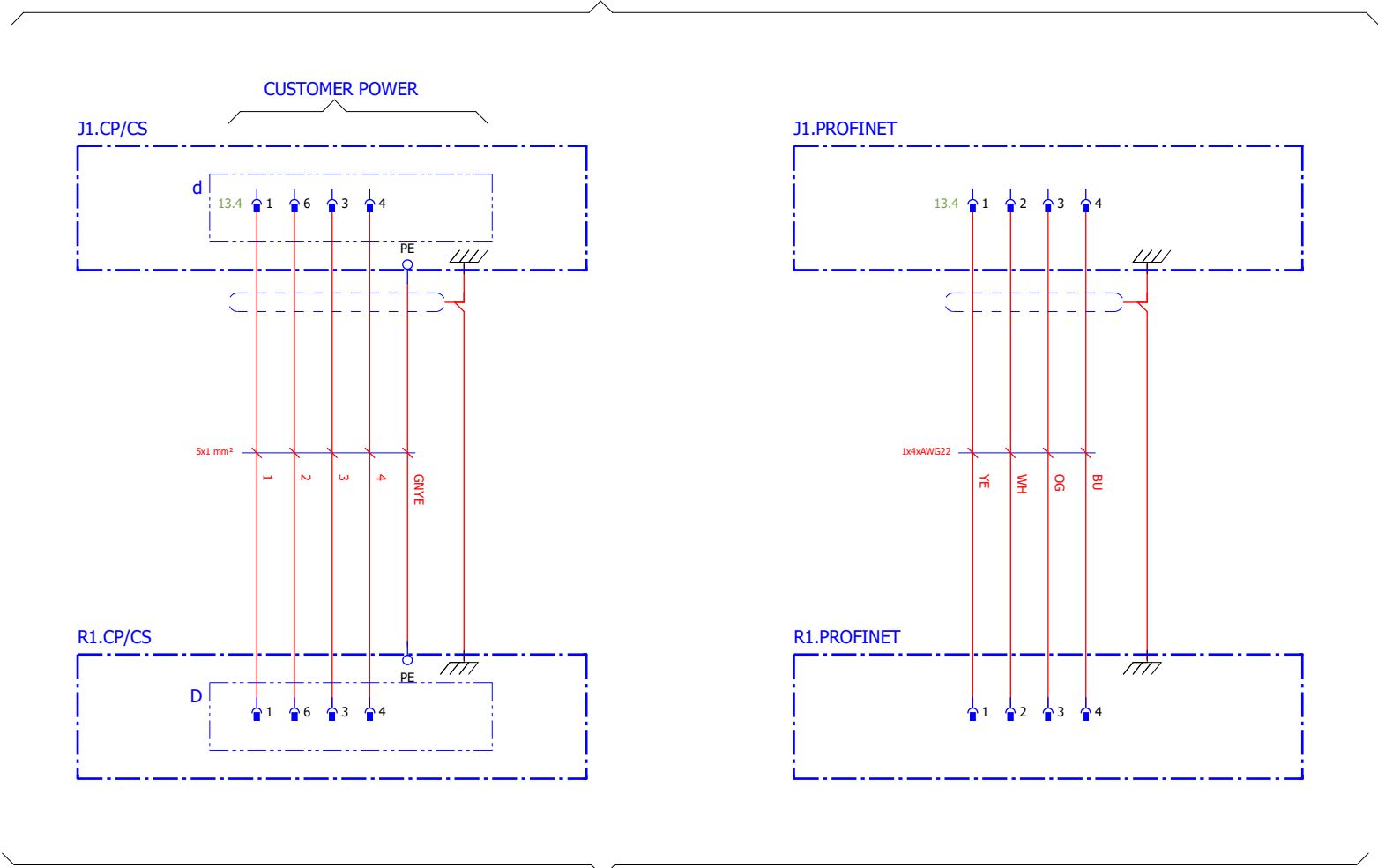
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SEE EL.DRAWINGS FOR THE ROBOT CONTROL SYSTEM



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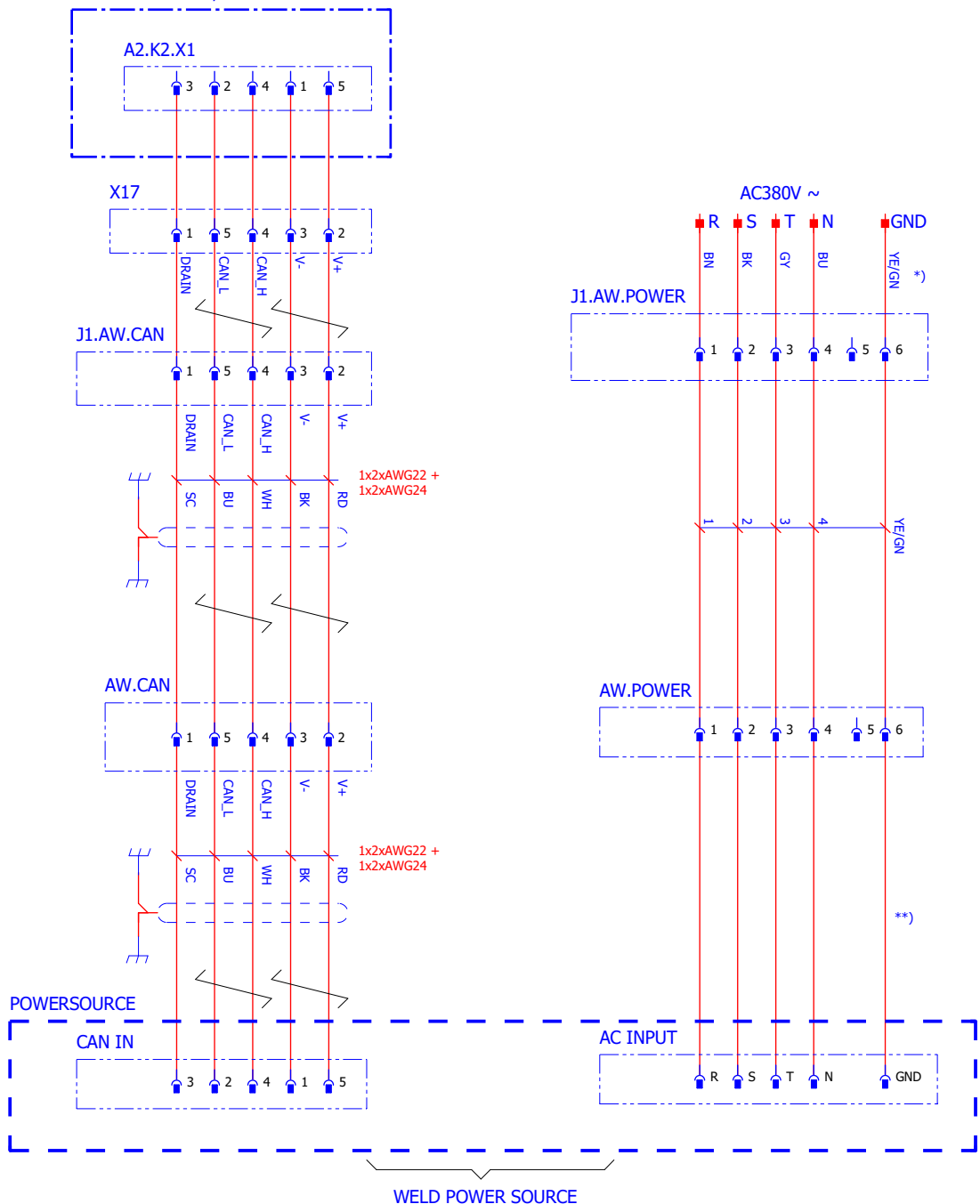
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 OPTION CUSTOMER POWER/SIGNAL   
 PROFINET, IRB 26/4600

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Omnicores V250XT/V400XT



\*) Floor welder power cable will be supplied from customer.  
 \*\*) The power cable will be connected from power source.

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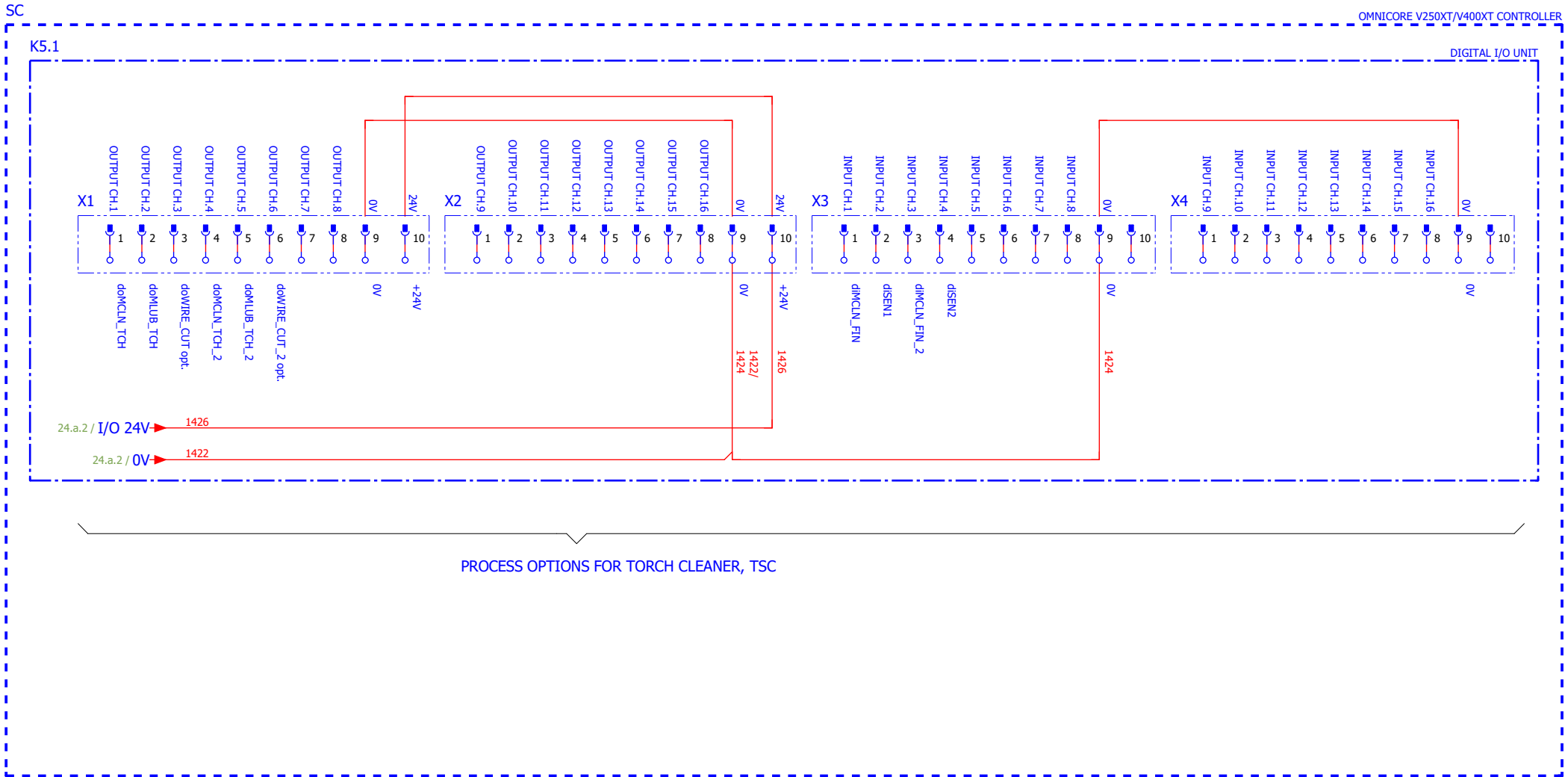


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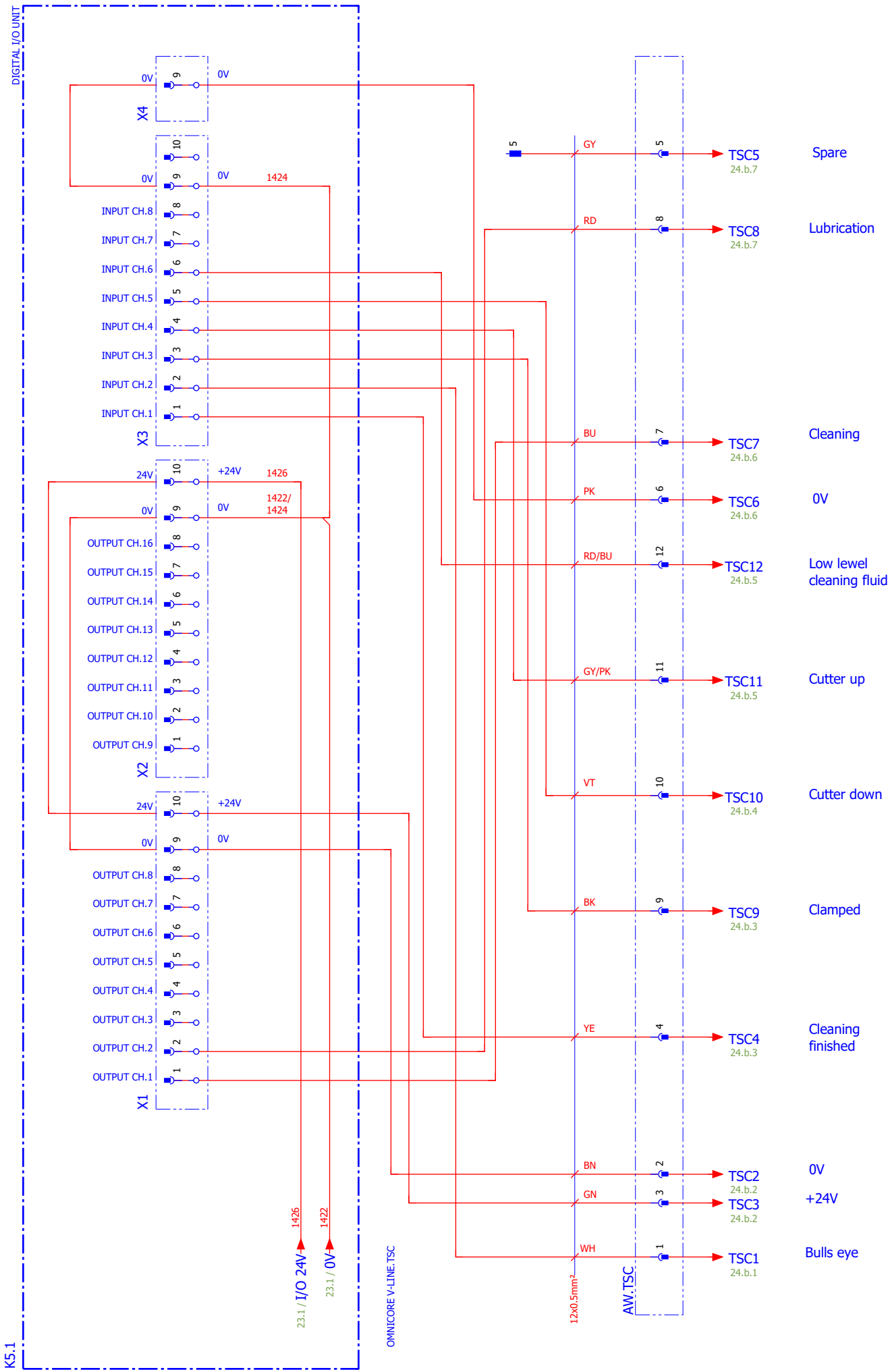
IRT 510 to Omnicore V-line  
 OPTION ARC WELDING DEVICENET BUS  
 WELDER POWER SOURCE

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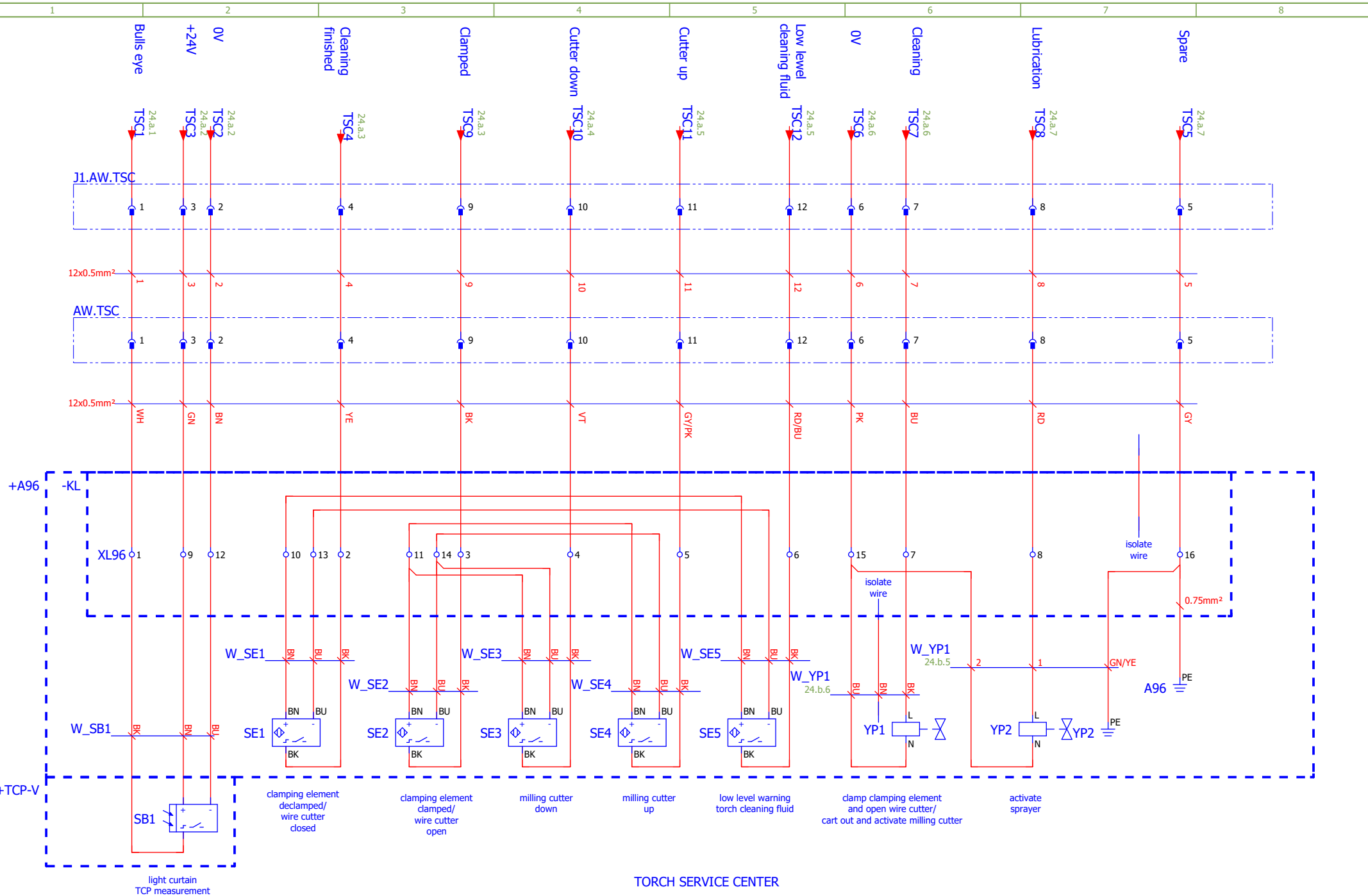


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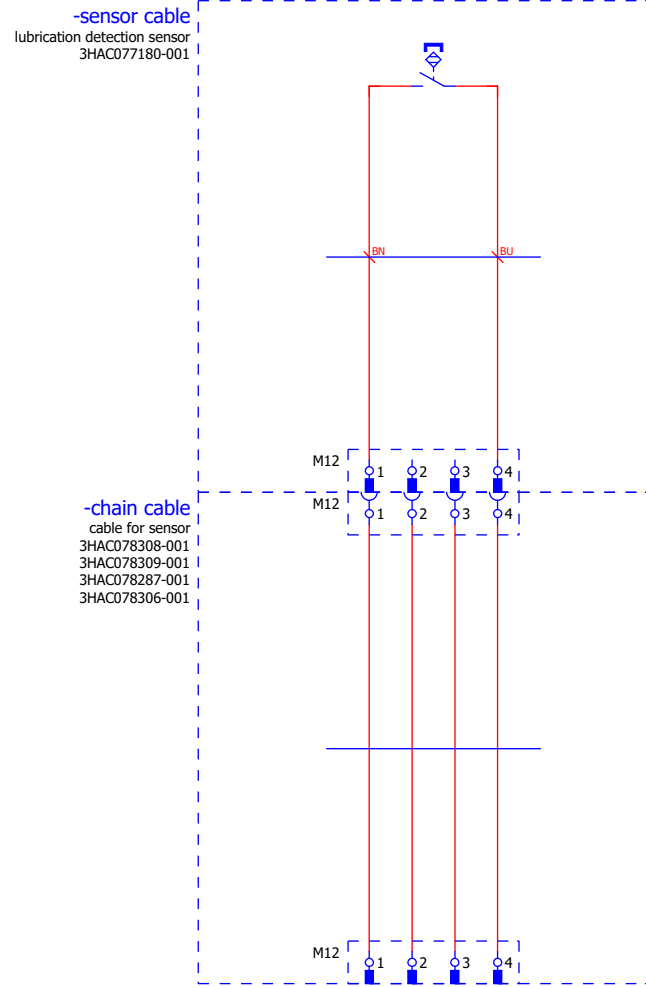
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IRT 510 to Omnicore V-line  
OPTION ARC WELDING  
TORCH CLEANER TSC

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IRT 510 to Omnicore V-line  
Sensor & Cable

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