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ABB

SE-721 68 Västerås  
Sweden

Latest revision: ECO 106383, WI 248941  
Pg 200-201: 3HAC073344-001 was 3HAC046547-001.  
Pg 202-203: 3HAC073345-001 was 3HAC046548-001.  
Pg 204-205: 3HAC073346-001 was 3HAC071286-001.

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Status: 2019-09-26

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Document no.

3HAC044246-002

Plant: = SP  
Location: +  
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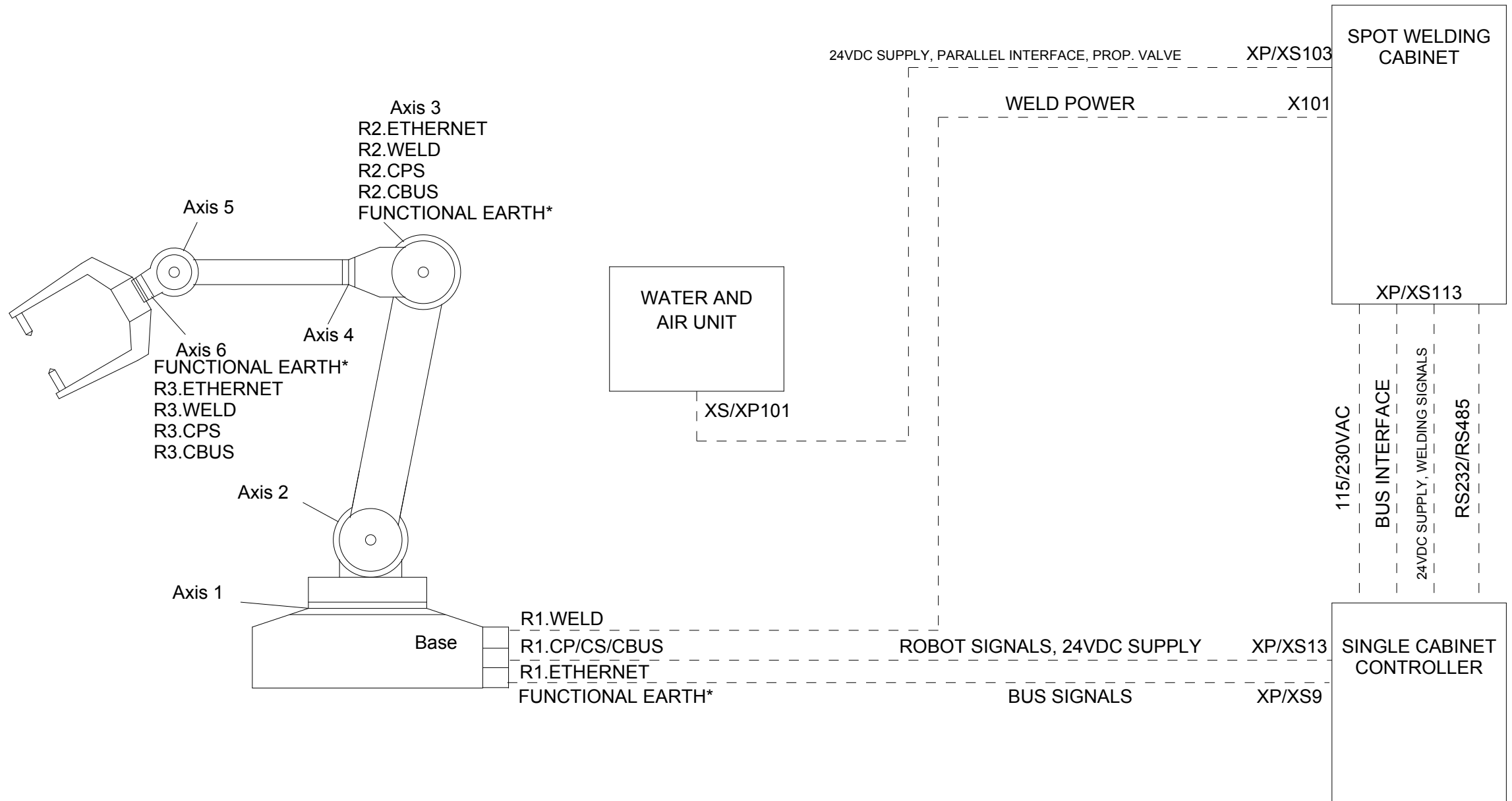
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1	2	3	4	5	6	7	8
Paracom	Parallel Communication						Protective Earth (PE)
Parabuscom	Parallel and Bus Communication (CANBUS, PROFIBUS and DEVICENET)						Twisted wires
Paramulti	Parallel and Ethernet Communication						Quad twined wires
S	Welding with Pneumatic Gun						Screened wires
Se	Welding with Servo Gun						Screen is connected to earth
H	Material Handling						Screen connection continues on the next page
HS	Material Handling and Pneumatic Gun						
HSE	Material Handling and Servo Gun						
FB	Motor Feedback Signal (7th axis)						
SMB	Serial Measurment Board						
CP/CS	Customer Power/Customer Signal						
CBUS	Bus Signal						
SP	Servo Gun Signal						
MH3	Harness between axis 3 to axis 6						
MH6	Harness between Manipulator base to axis 6						

BLOCK DIAGRAM TYPE S (pneumatic gun)  
 IRBDP SW6  
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011  
 and 3HAC026871-020 for Panel mounted controller.  
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001 & 3HAC044736-001.

\* Functional earth exist only on the option Paramulti.



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 BLOCK DIAGRAM - TYPE S  
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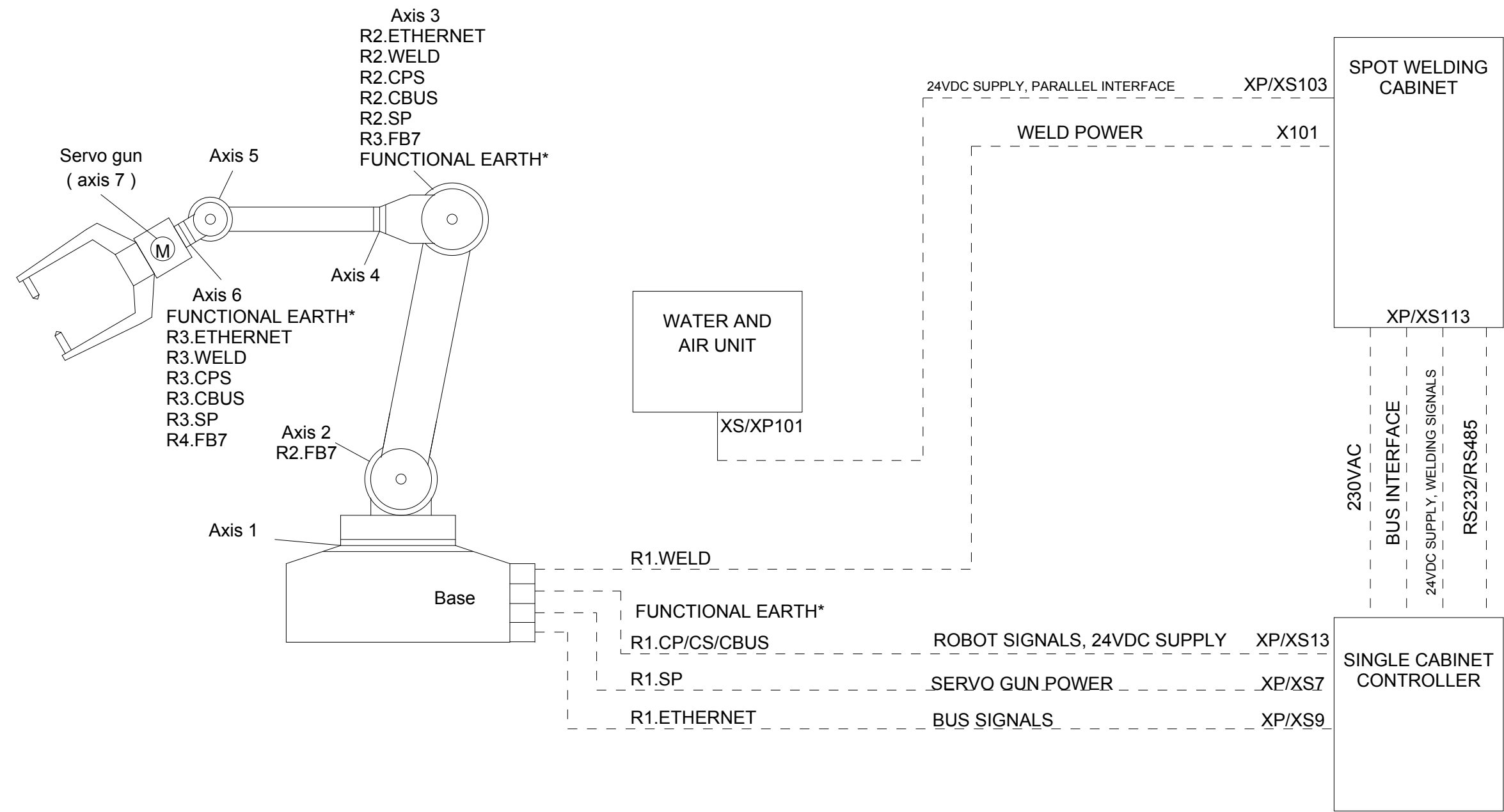
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BLOCK DIAGRAM TYPE Se (servo gun)  
 IRBDP SW6  
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011  
 and 3HAC026871-020 for Panel mounted controller.  
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001 & 3HAC044736-001.

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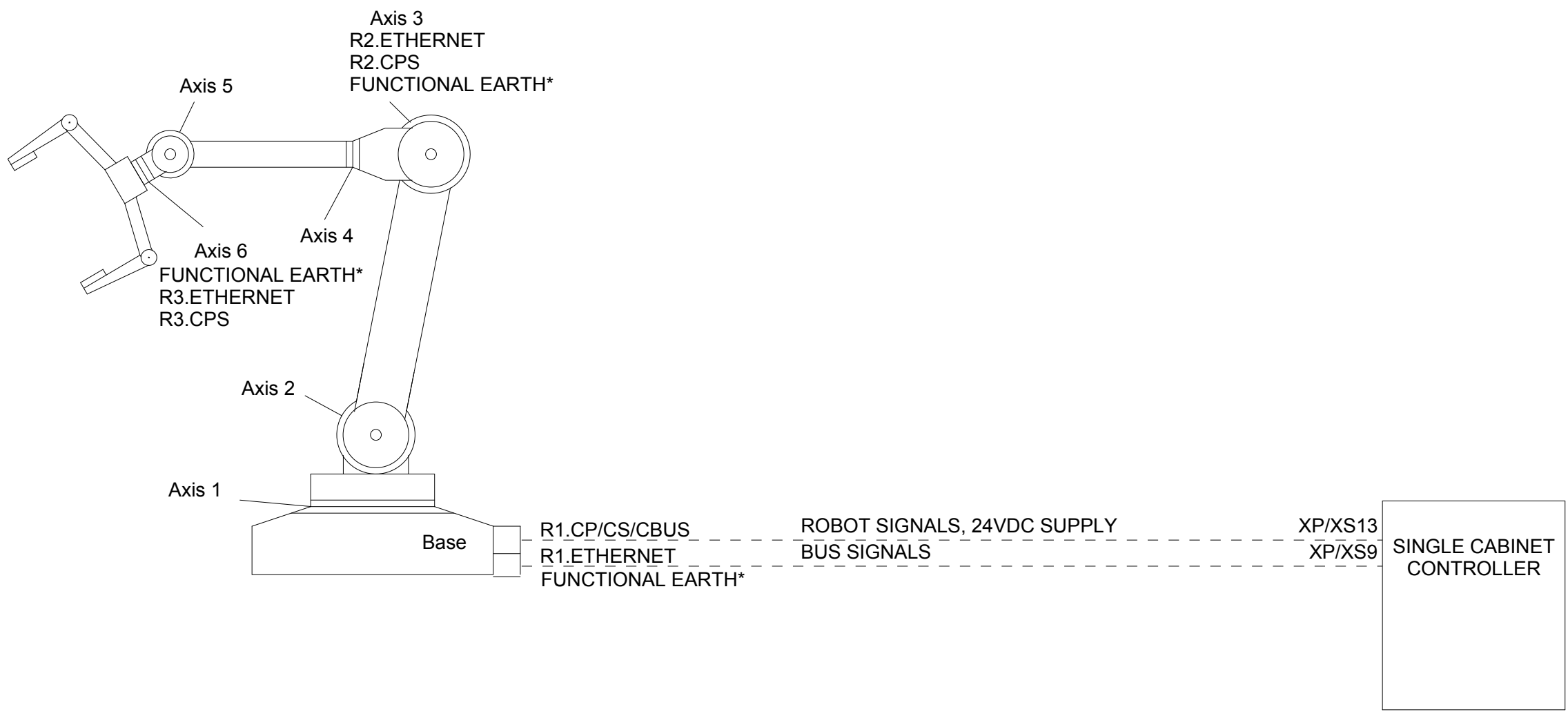
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BLOCK DIAGRAM TYPE H (material handling)  
 IRBDP MH6  
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011  
 and 3HAC026871-020 for Panel mounted controller.

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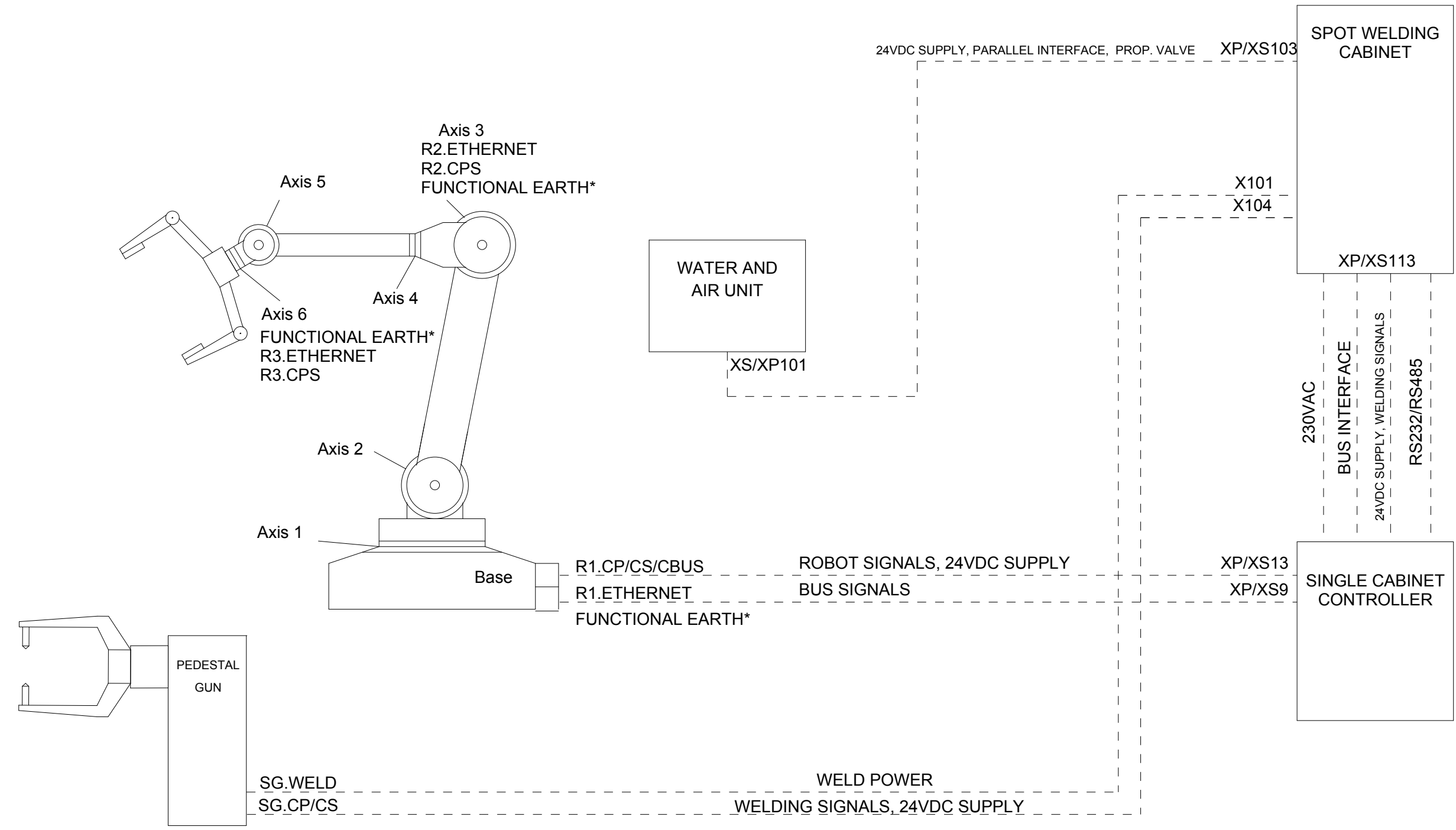
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BLOCK DIAGRAM TYPE HS (material handling and pneumatic gun)  
 IRBDP SW6  
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011  
 and 3HAC026871-020 for Panel mounted controller.  
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001 & 3HAC044736-001.

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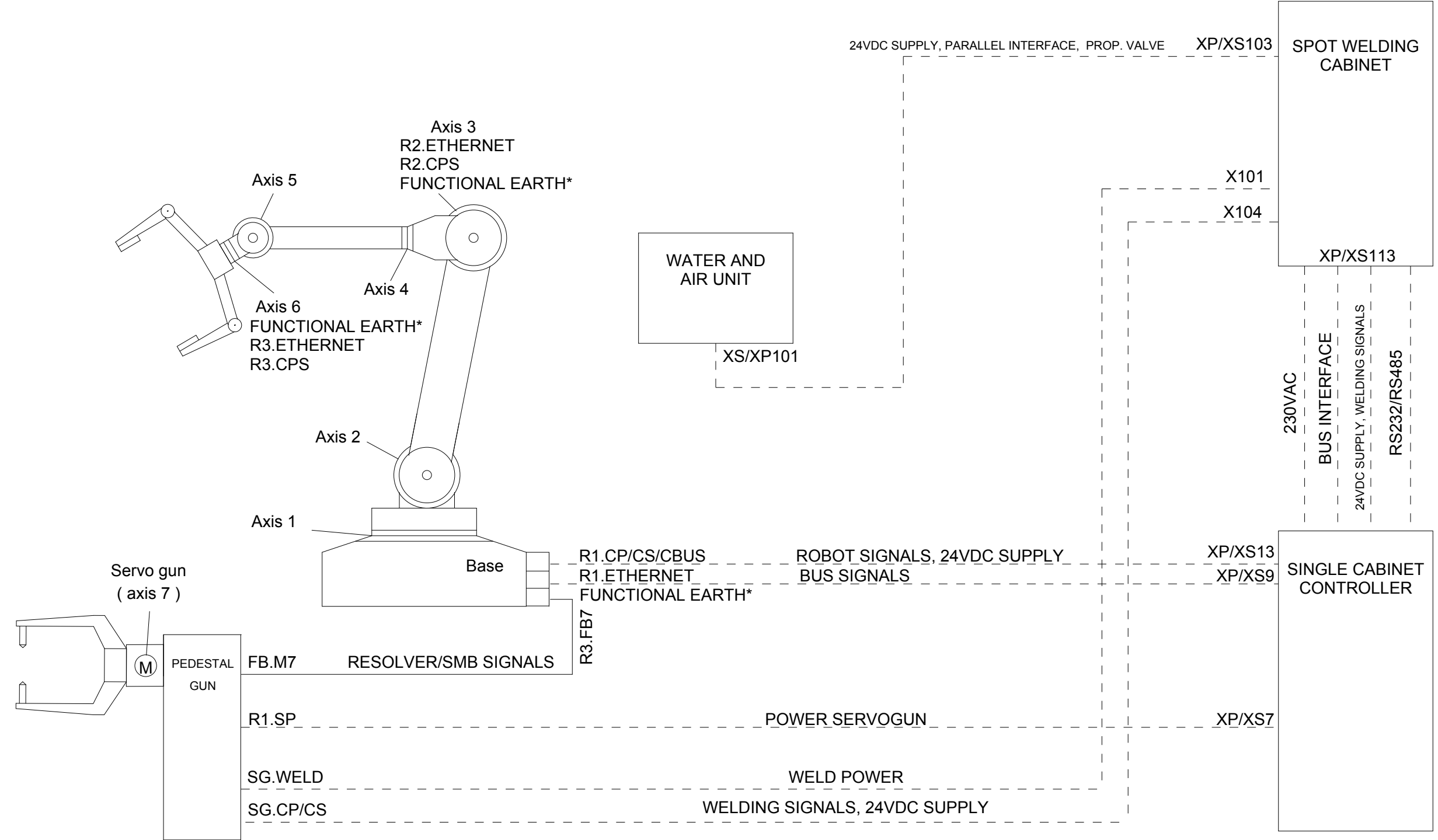
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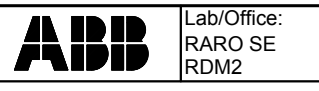
BLOCK DIAGRAM TYPE HSe (material handling and servo gun)  
 IRBDP SW6  
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011  
 and 3HAC026871-020 for Panel mounted controller.  
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001 & 3HAC044736-001.

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 BLOCK DIAGRAM - TYPE HSe  
 DRESS PACK

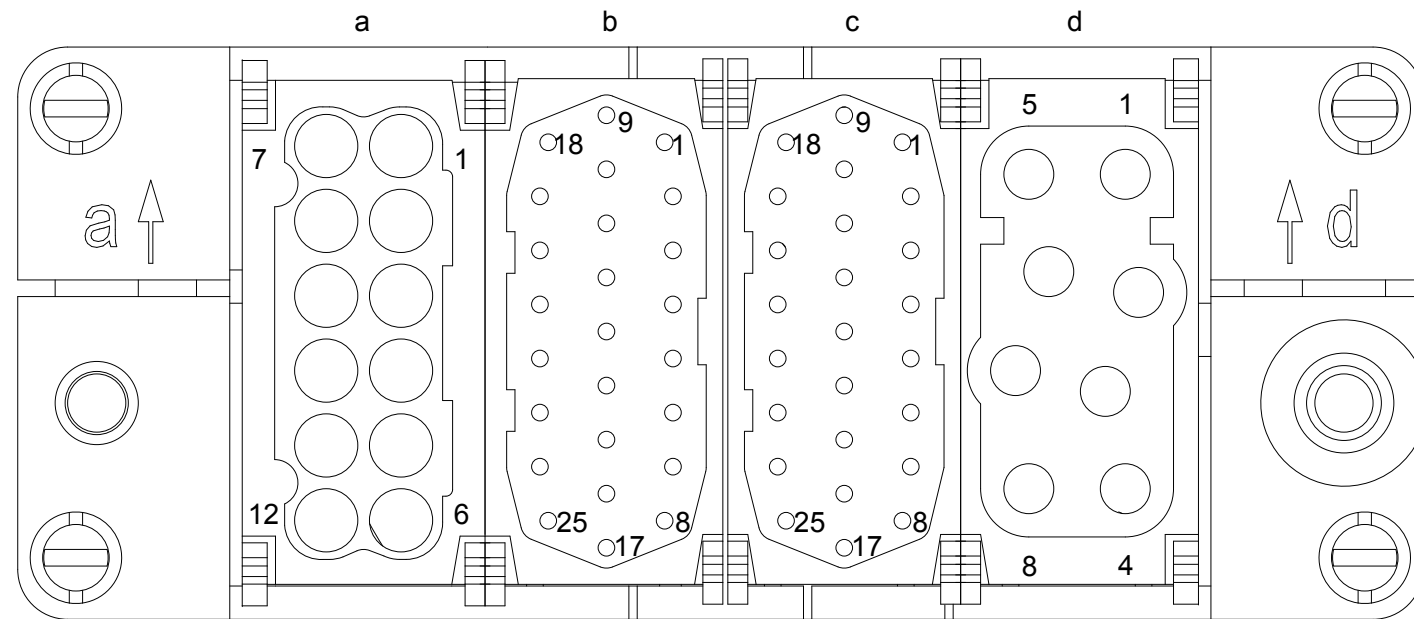
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BLOCK DIAGRAM TYPE S/H

Male (R1.CP/CS)



HARTING HAN MODULE/

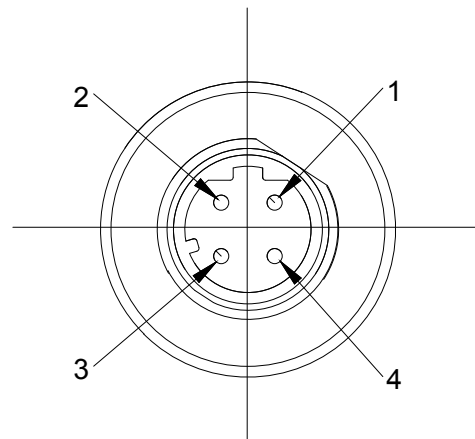
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HD

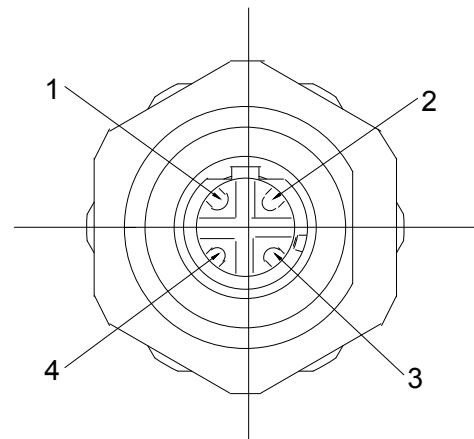
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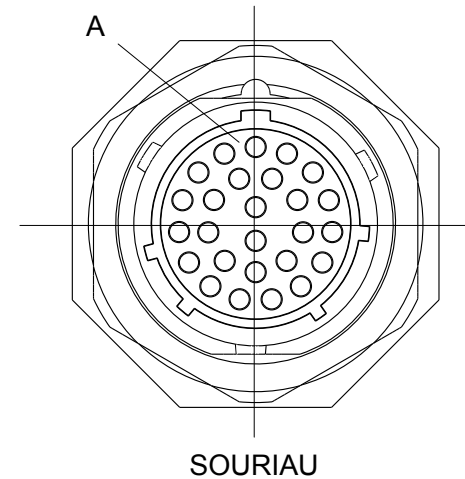
Male 4p  
R2.ETHERNET  
R3.ETHERNET



Female 4p  
R1.ETHERNET  
R2.ETHERNET

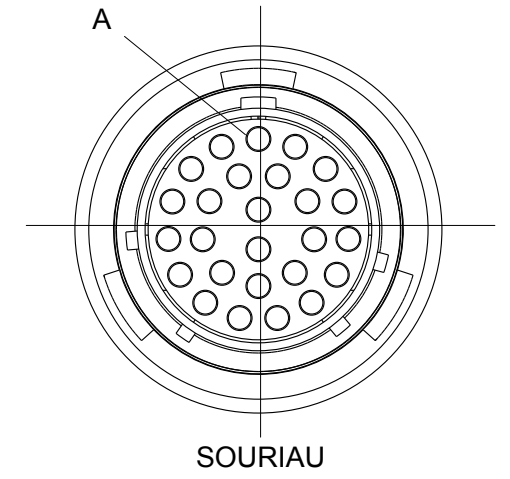


Female 26p (R2.CP/CS)



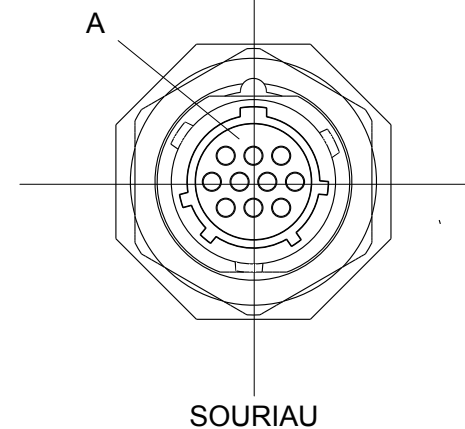
SOURIAU

Female 26p (R3.CPS)  
Male 26p (R2.CPS)



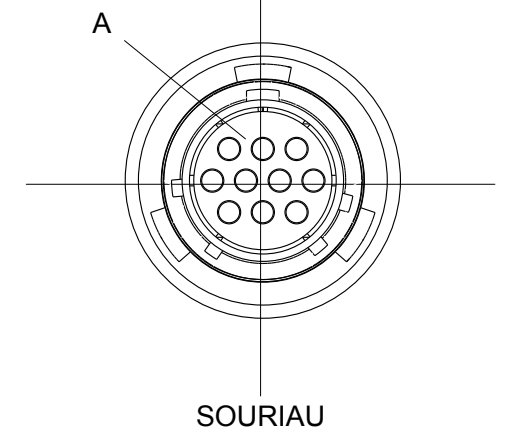
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Female 10p (R2.CBUS)



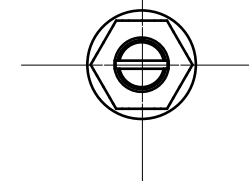
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Male 10p (R2.CBUS)  
Female 10p (R3.CBUS)



SOURIAU

FUNCTIONAL EARTH



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CONNECTOR LAYOUT

DRESS PACK

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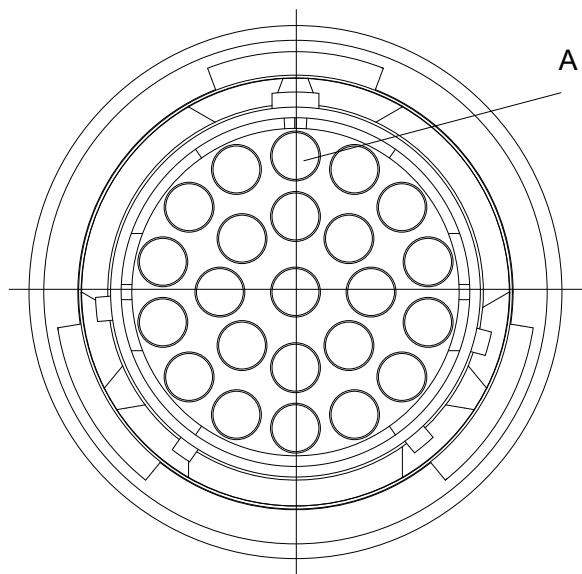
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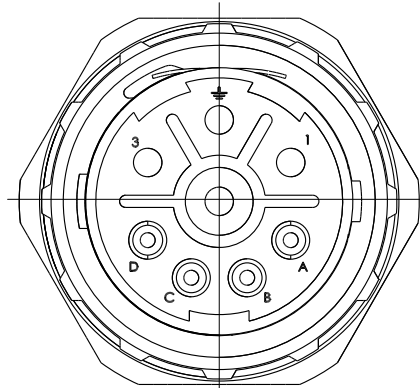
BLOCK DIAGRAM TYPE Se/S

Female 23p (R1.SP)



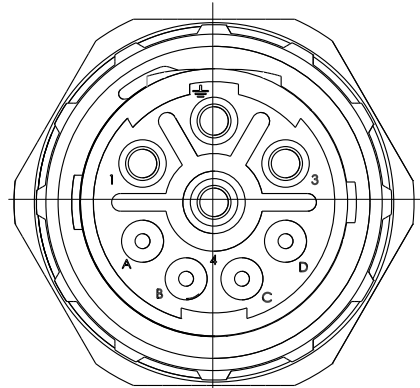
SOURIAU

Male 8p  
R2.SP



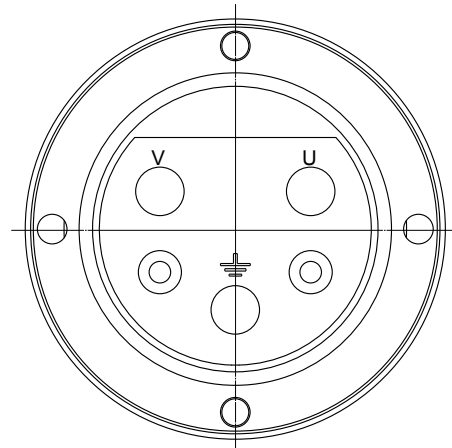
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Female 8p  
R2.SP  
R3.SP

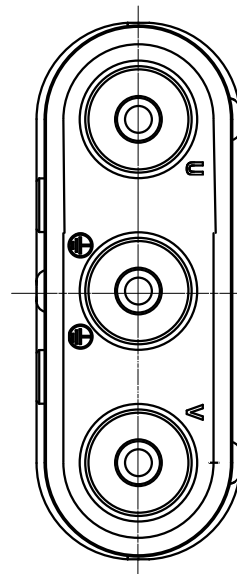


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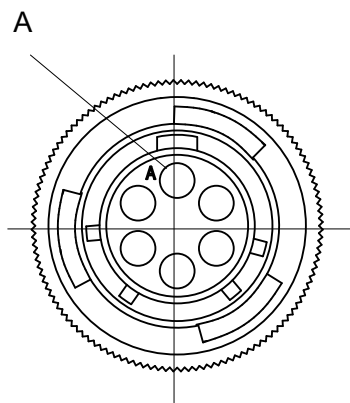
Male 3p  
R1.WELD



Female & Male 3p  
R2.WELD

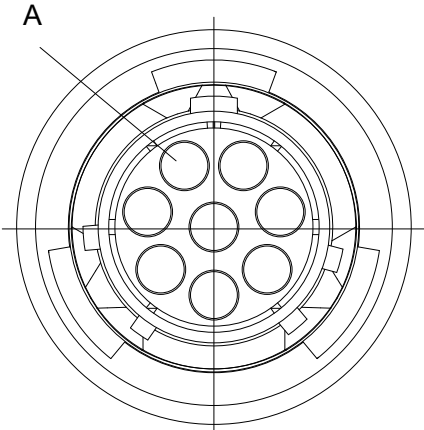


Female / Male 6p (R2.FB7)



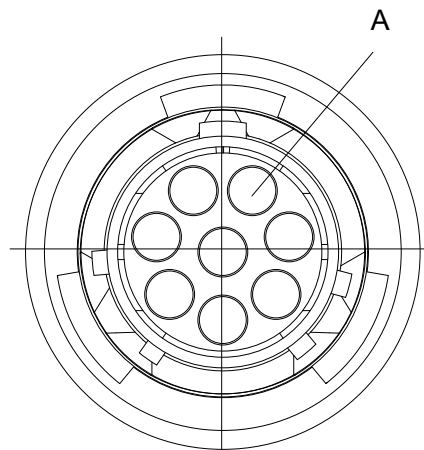
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Female 8p (R2.FB7 / R3.FB7)



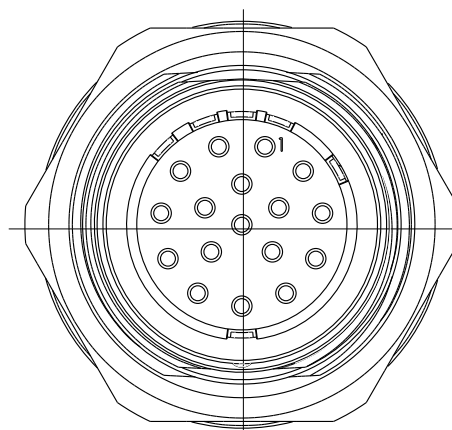
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Male 8p (R2.FB7)



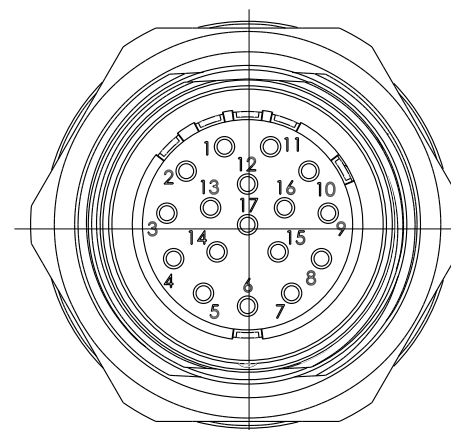
SOURIAU

Female 17p (R3.FB7)



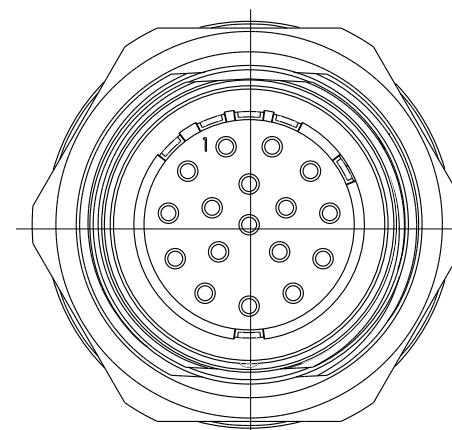
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Male 17p (R3.FB7)



HUMMEL

Female 17p (R4.FB7)



HUMMEL

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CONNECTOR LAYOUT

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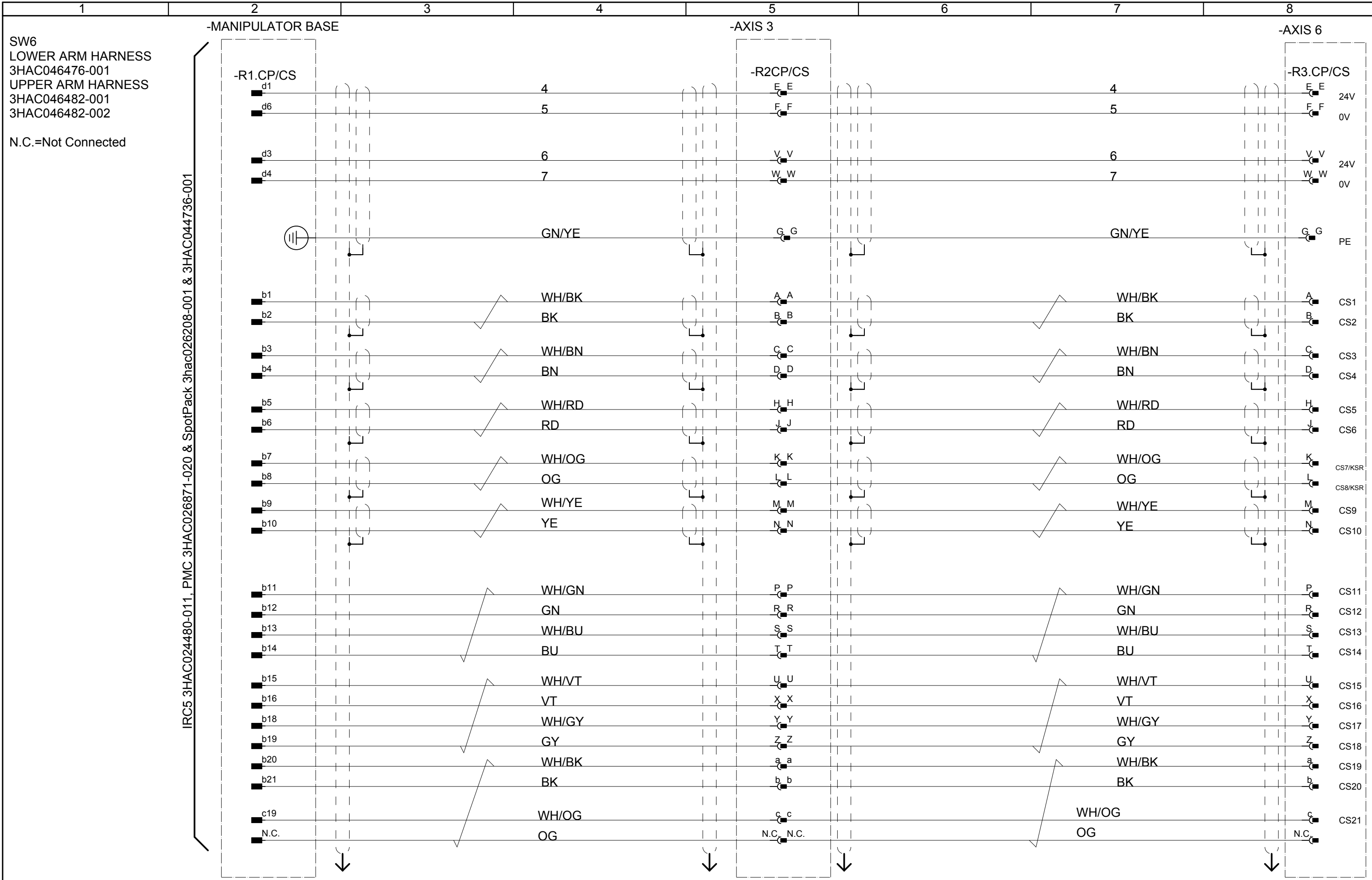
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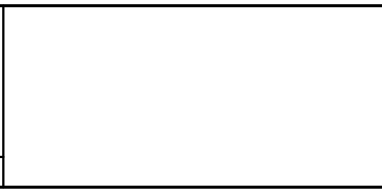
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 3HAC046476-001  
 UPPER ARM HARNESS  
 3HAC046482-001  
 3HAC046482-002

N.C.=Not Connected

IRC5 3HAC024480-011, PMC 3HAC026871-020 & SpotPack 3hac026208-001 & 3HAC044736-001

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 PARACOM SW6  
 TYPE S

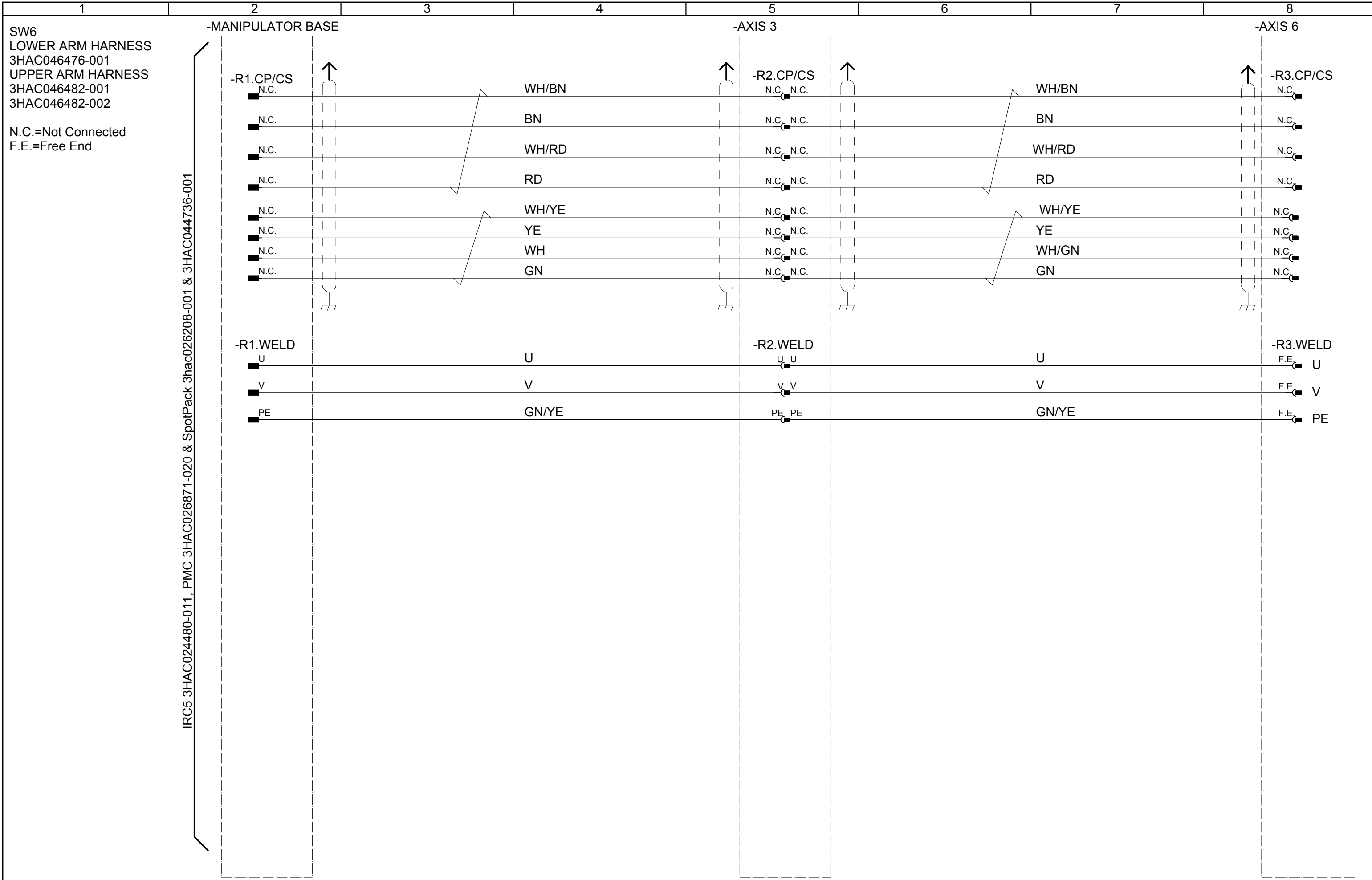
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IRC5 3HAC024480-011, PMC 3HAC026871-020 & SpotPack 3hac026208-001 & 3HAC044736-001

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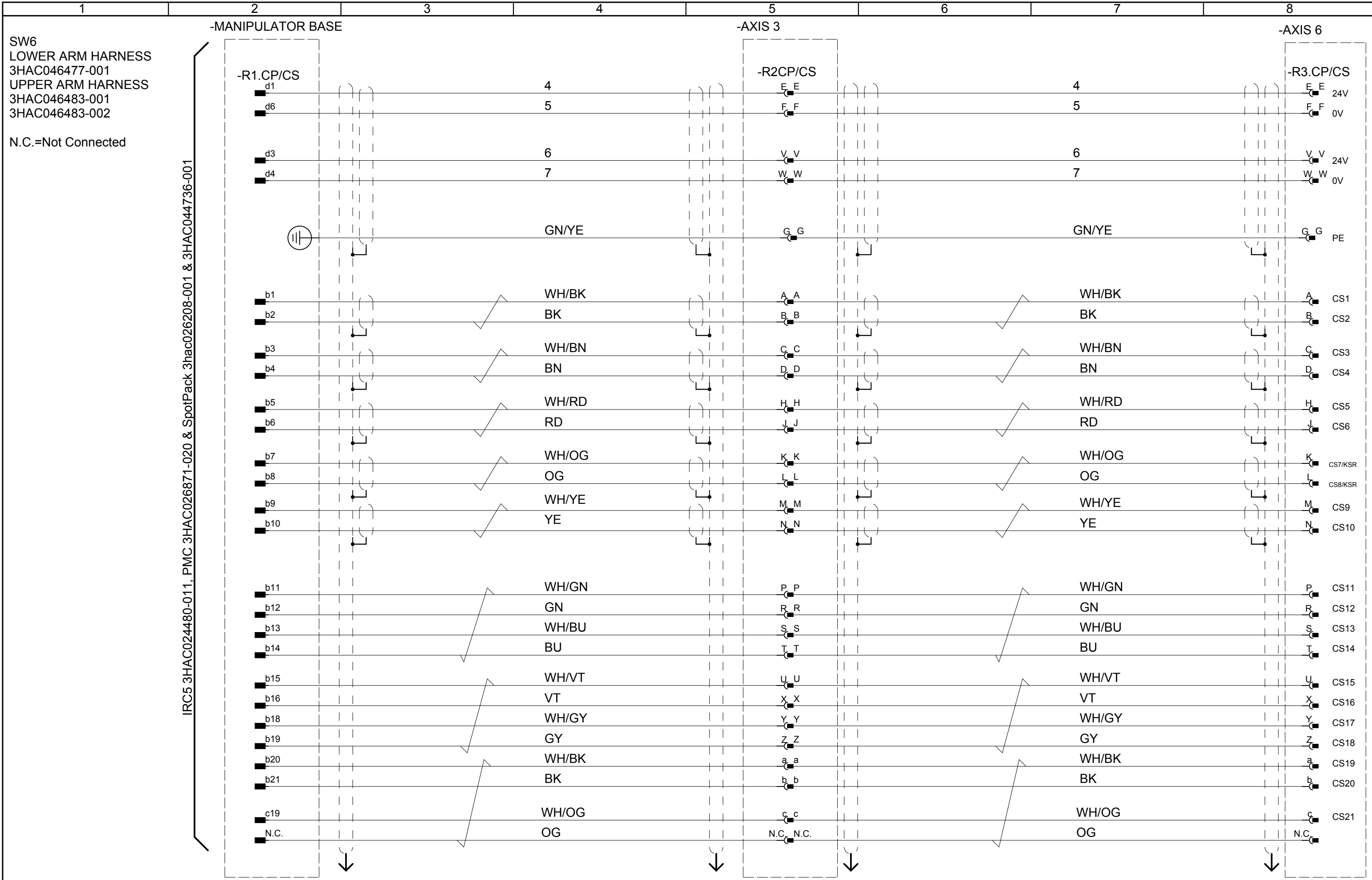
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SW6  
 LOWER ARM HARNESS  
 3HAC046477-001  
 UPPER ARM HARNESS  
 3HAC046483-001  
 3HAC046483-002  
 N.C.=Not Connected

IRC5 3HAC024480-011, PMC 3HAC026871-020 & SpotPack 3hac026208-001 & 3HAC044736-001

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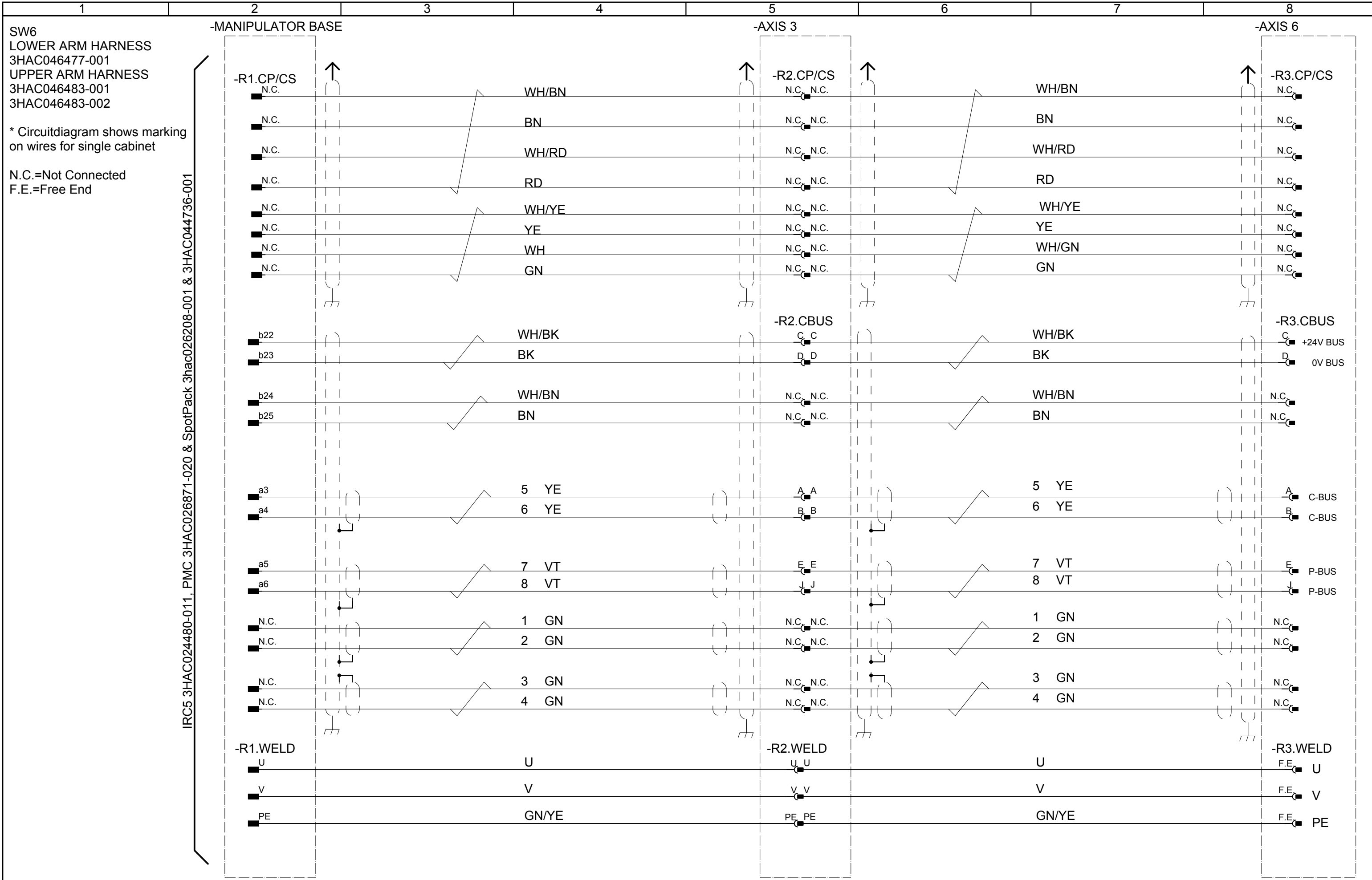
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SW6  
 LOWER ARM HARNESS  
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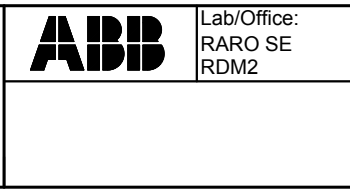
\* Circuitdiagram shows marking on wires for single cabinet

N.C.=Not Connected  
 F.E.=Free End

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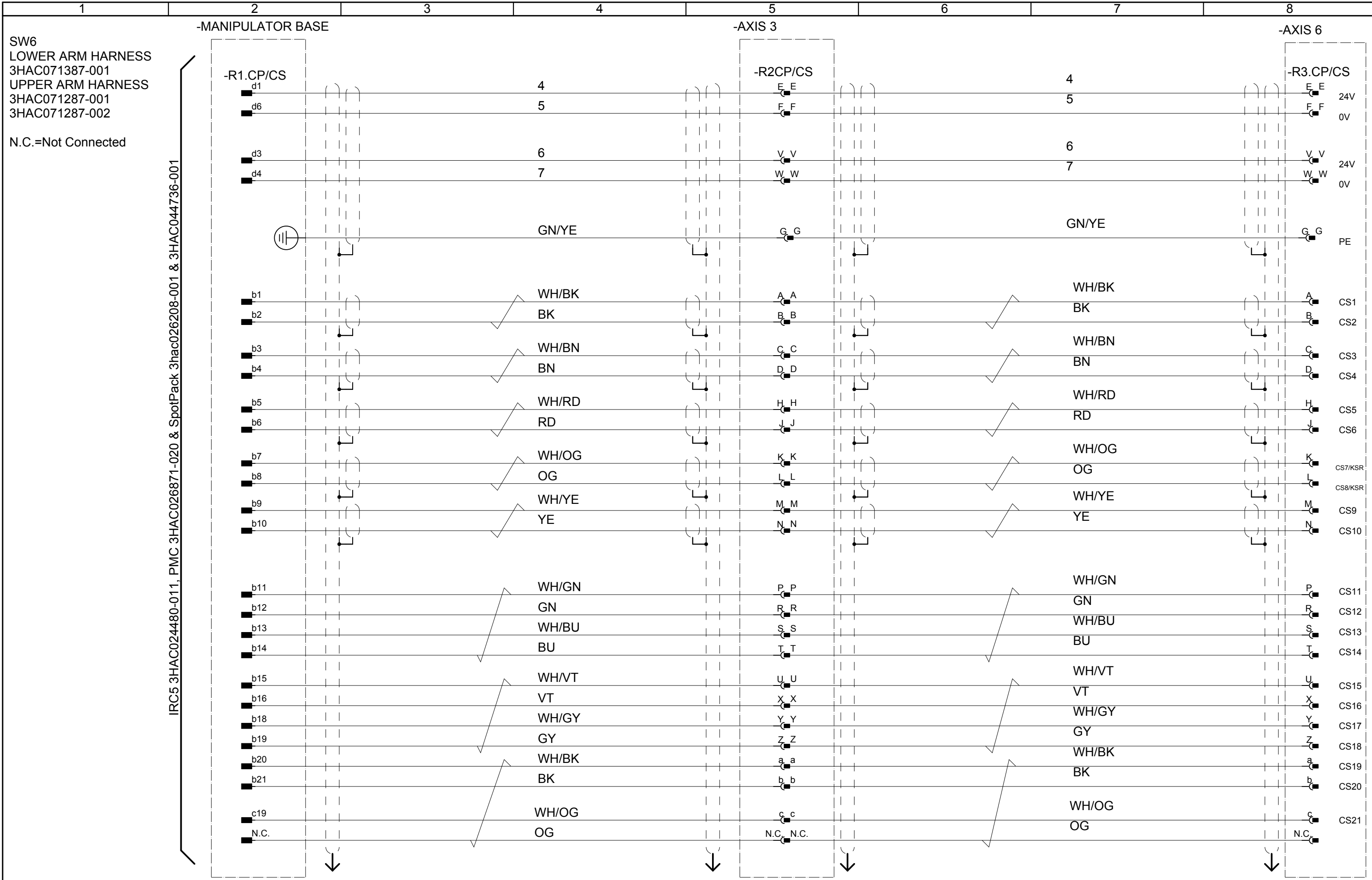
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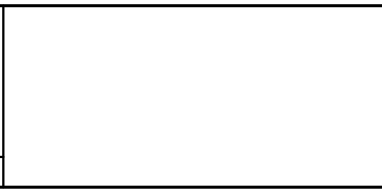
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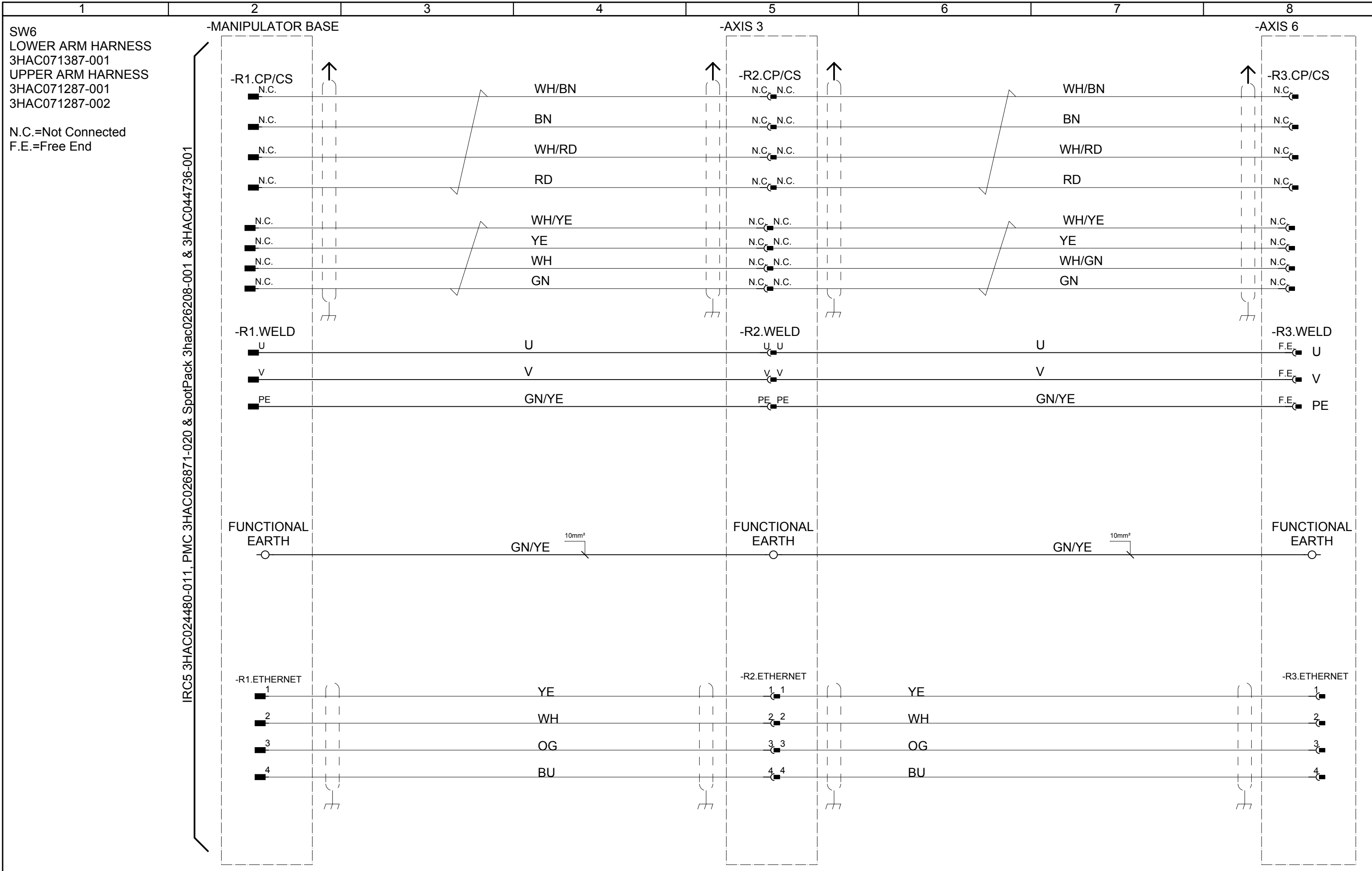


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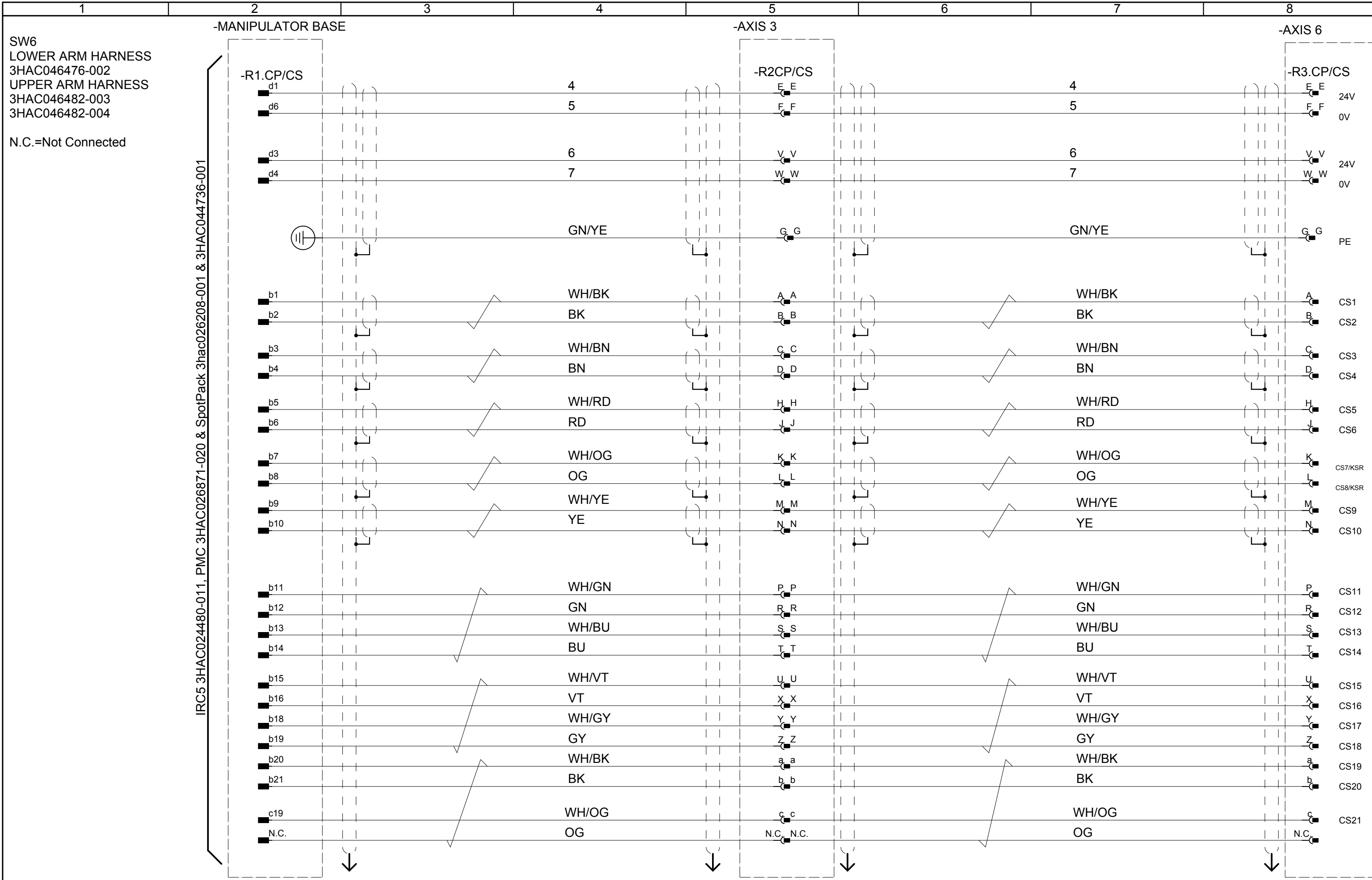
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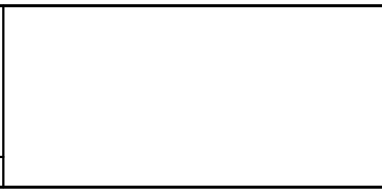


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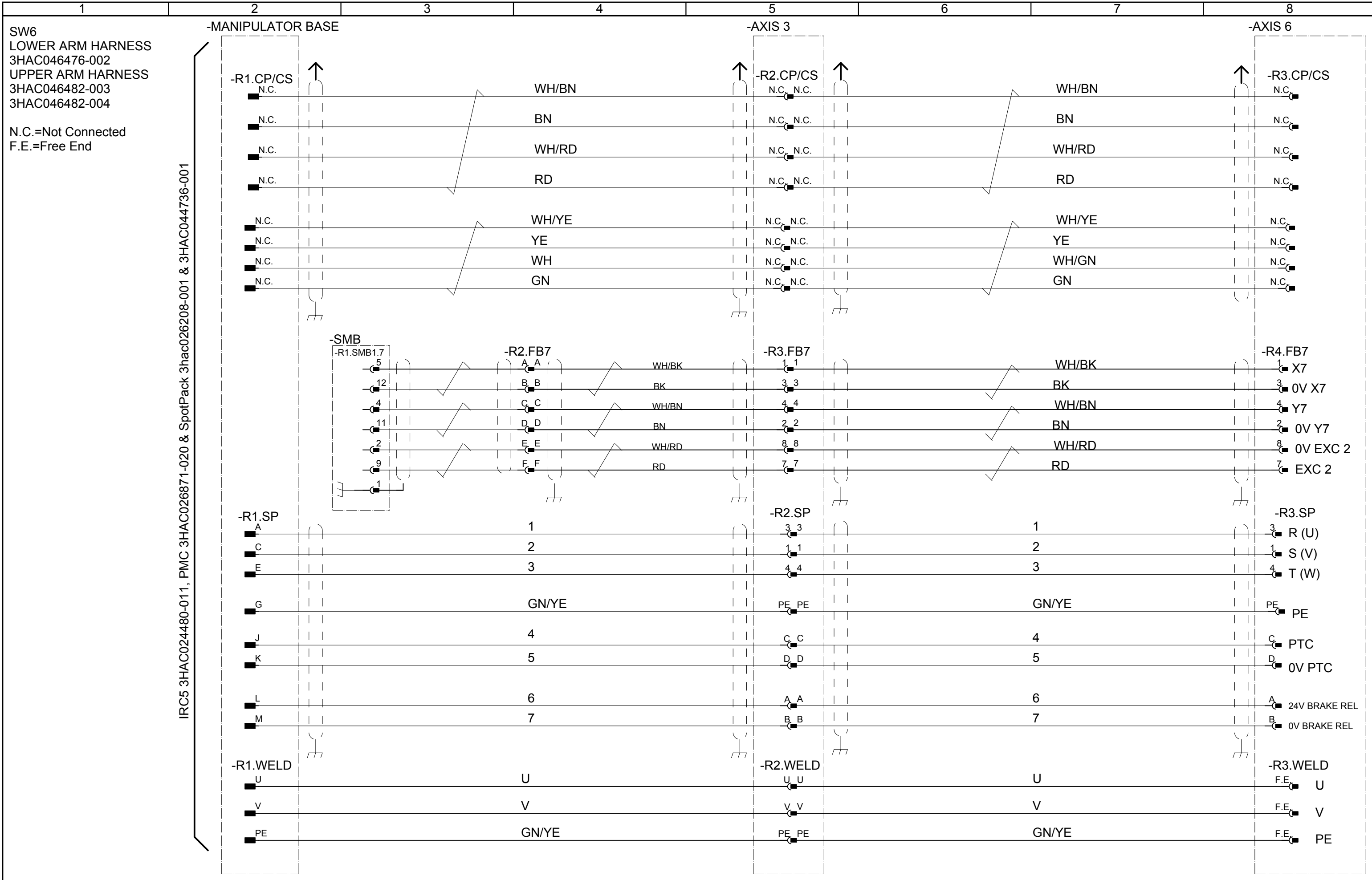
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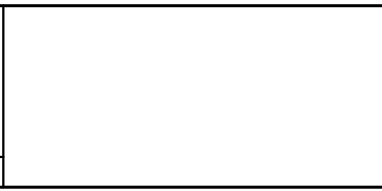
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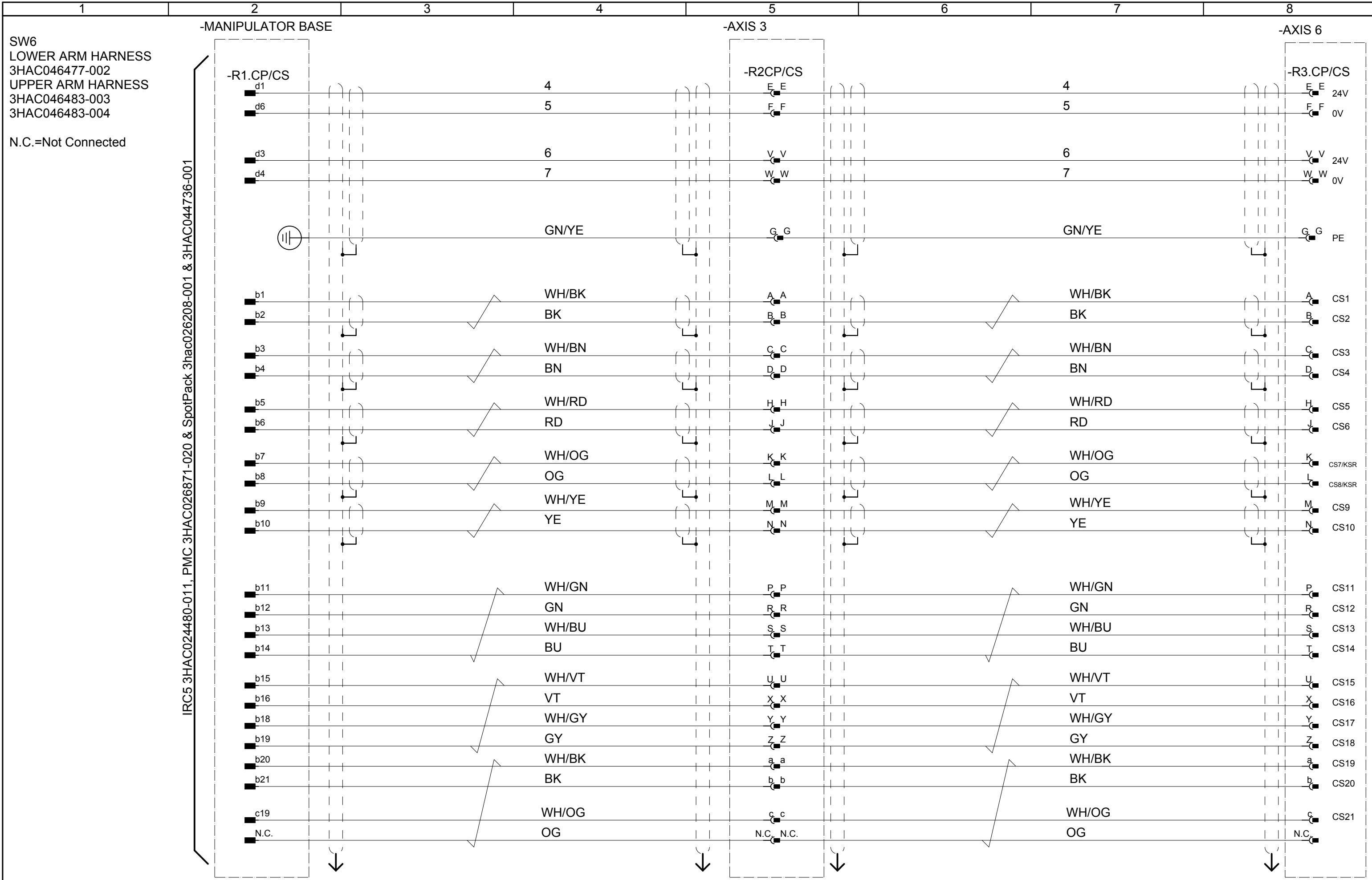
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PARABUSCOM, SERVOGUN SW6

TYPE Se

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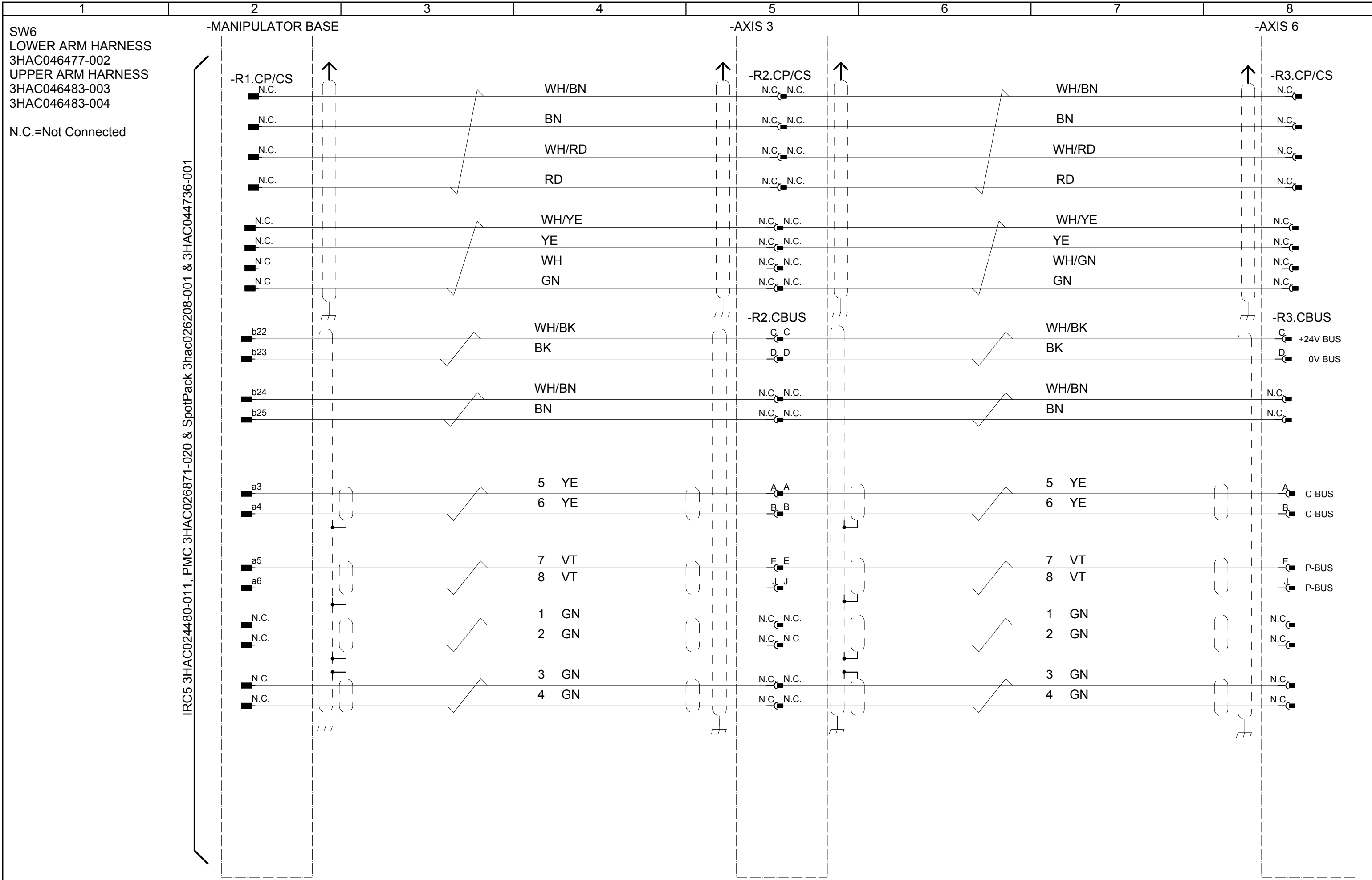
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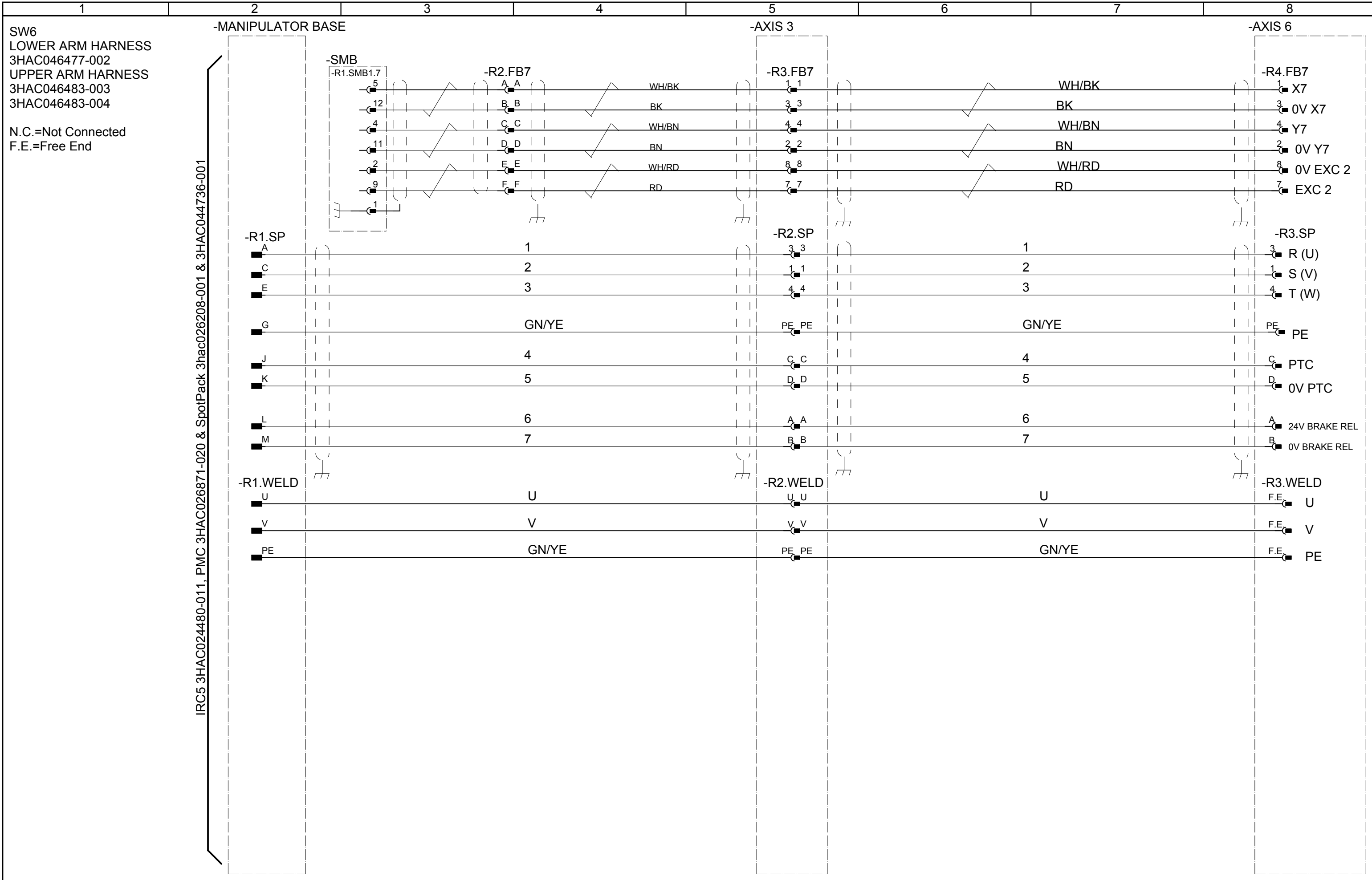
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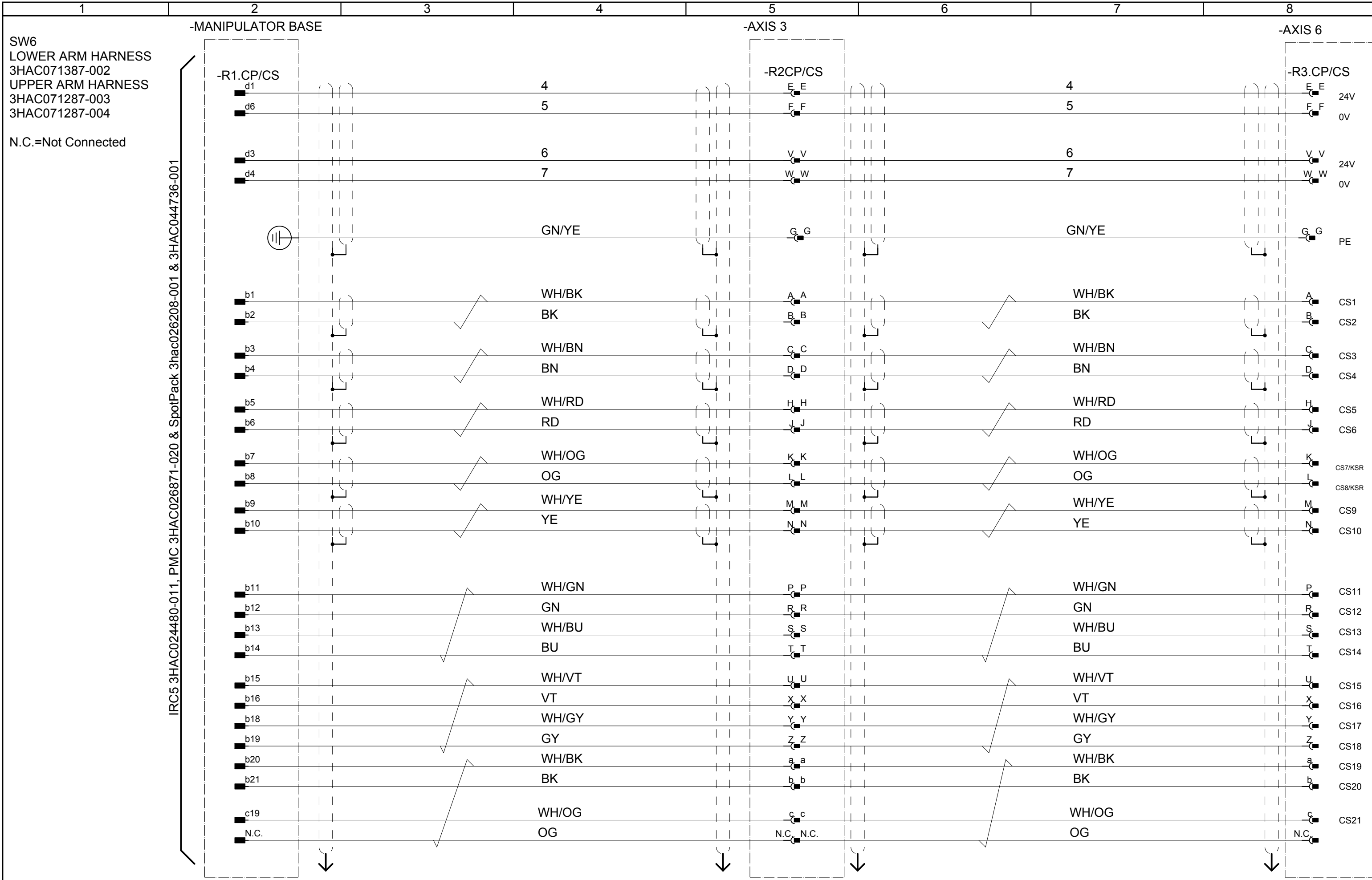
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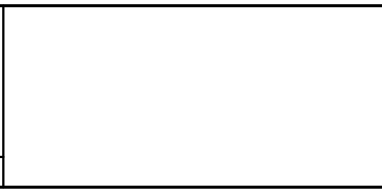
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PARAMULTI, SERVOGUN SW6

TYPE Se

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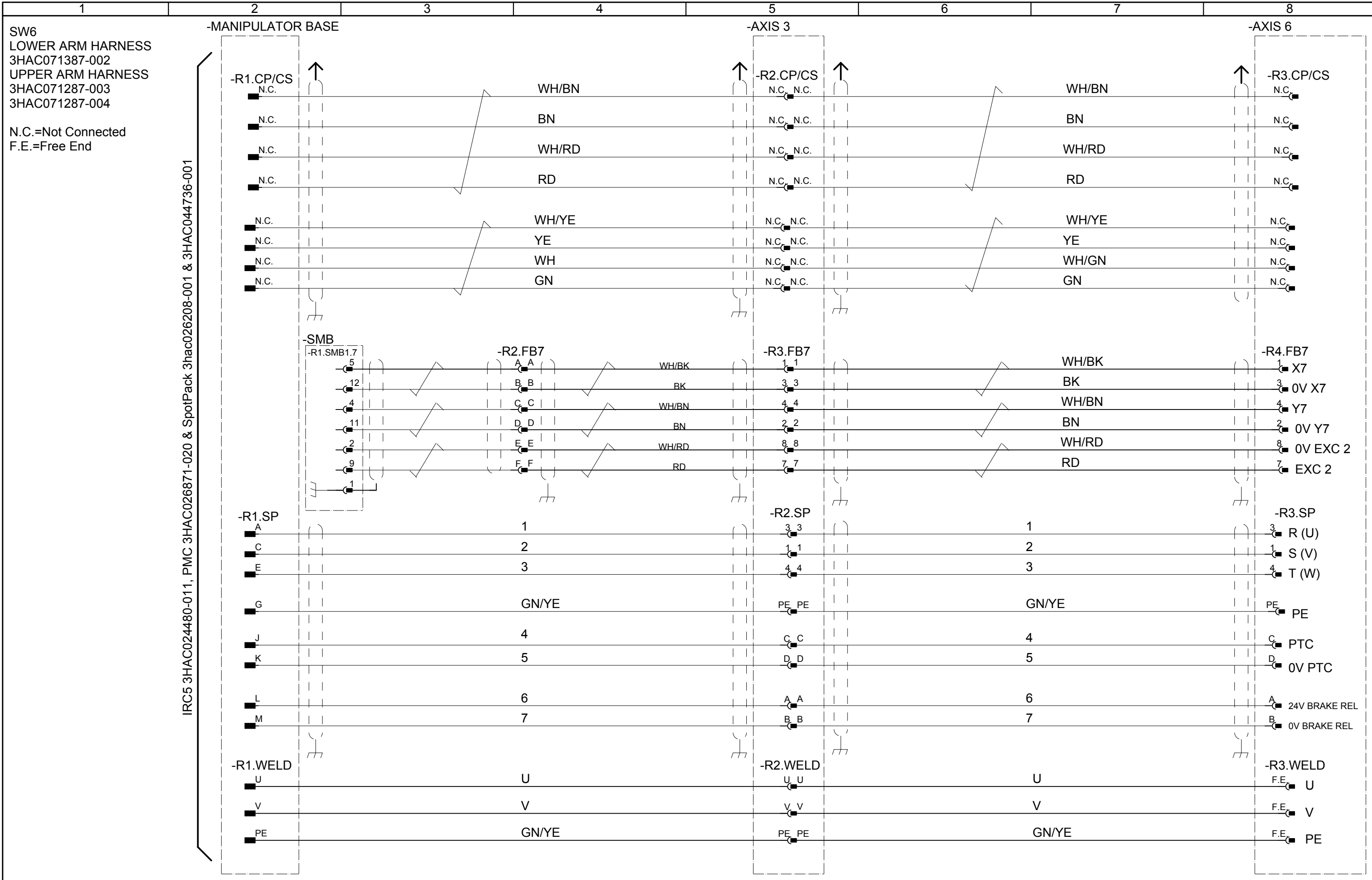
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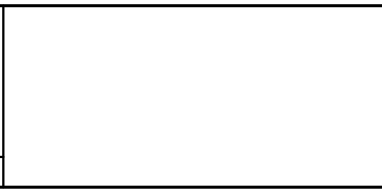
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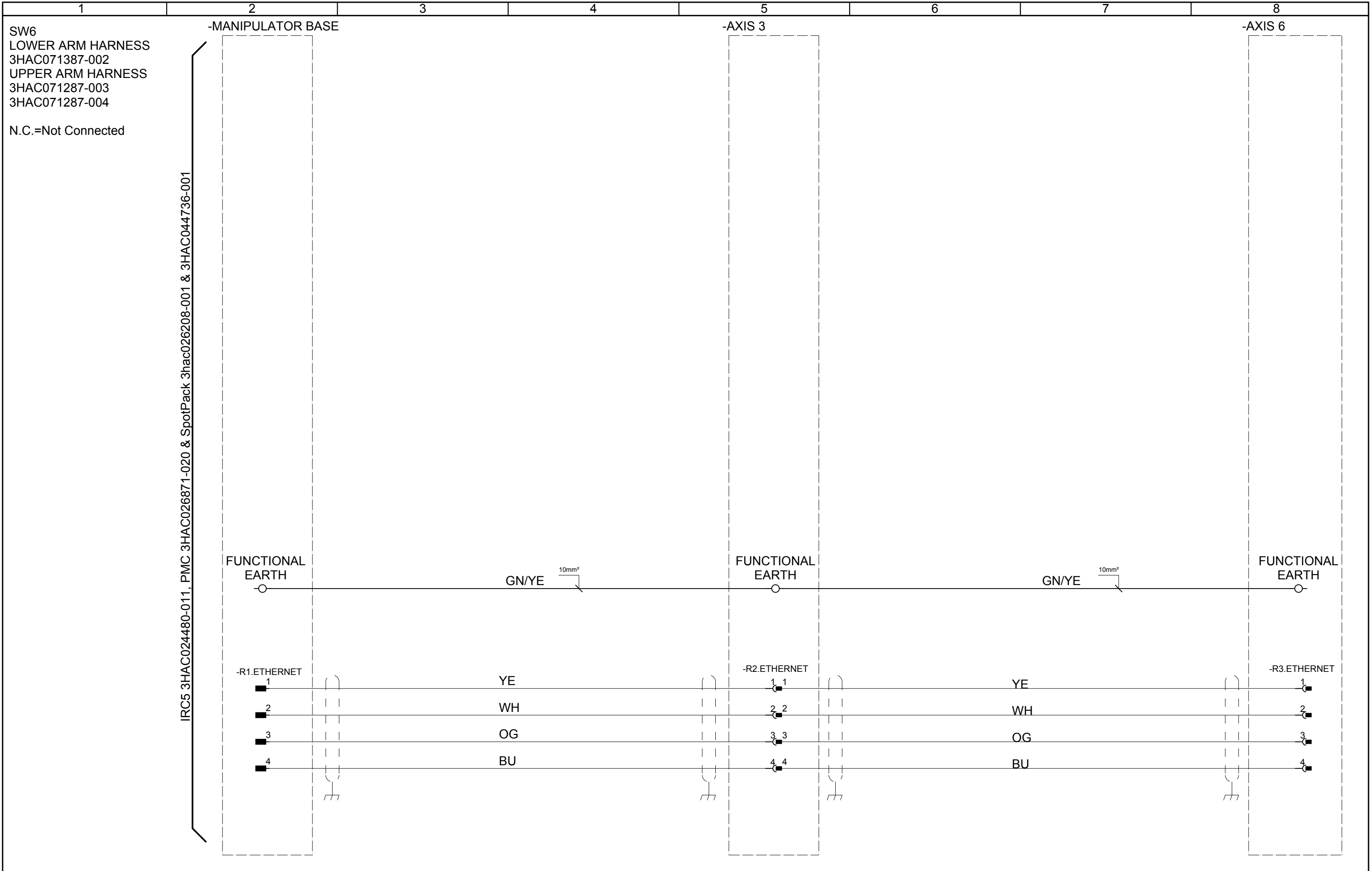
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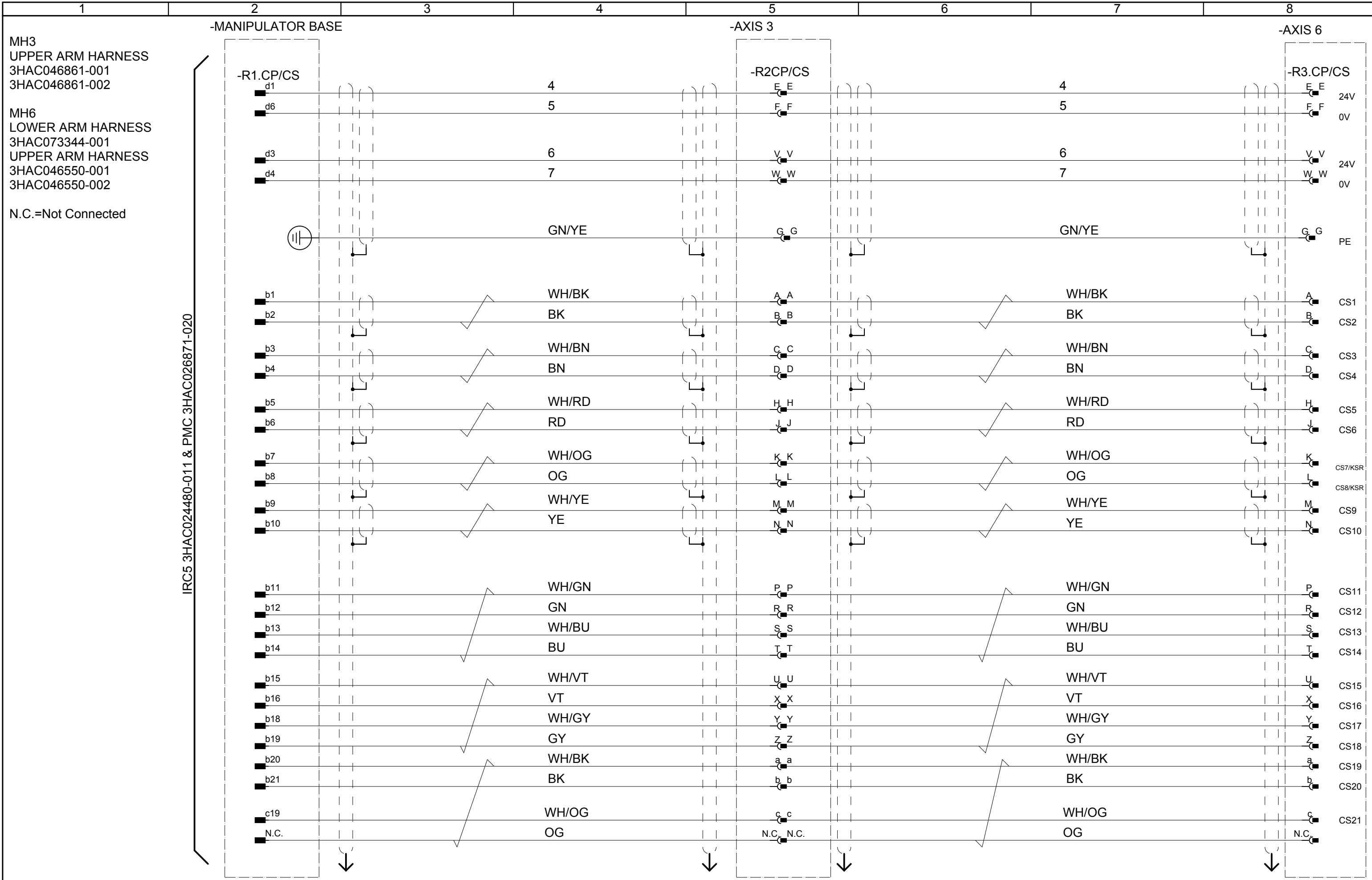
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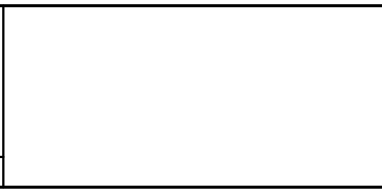
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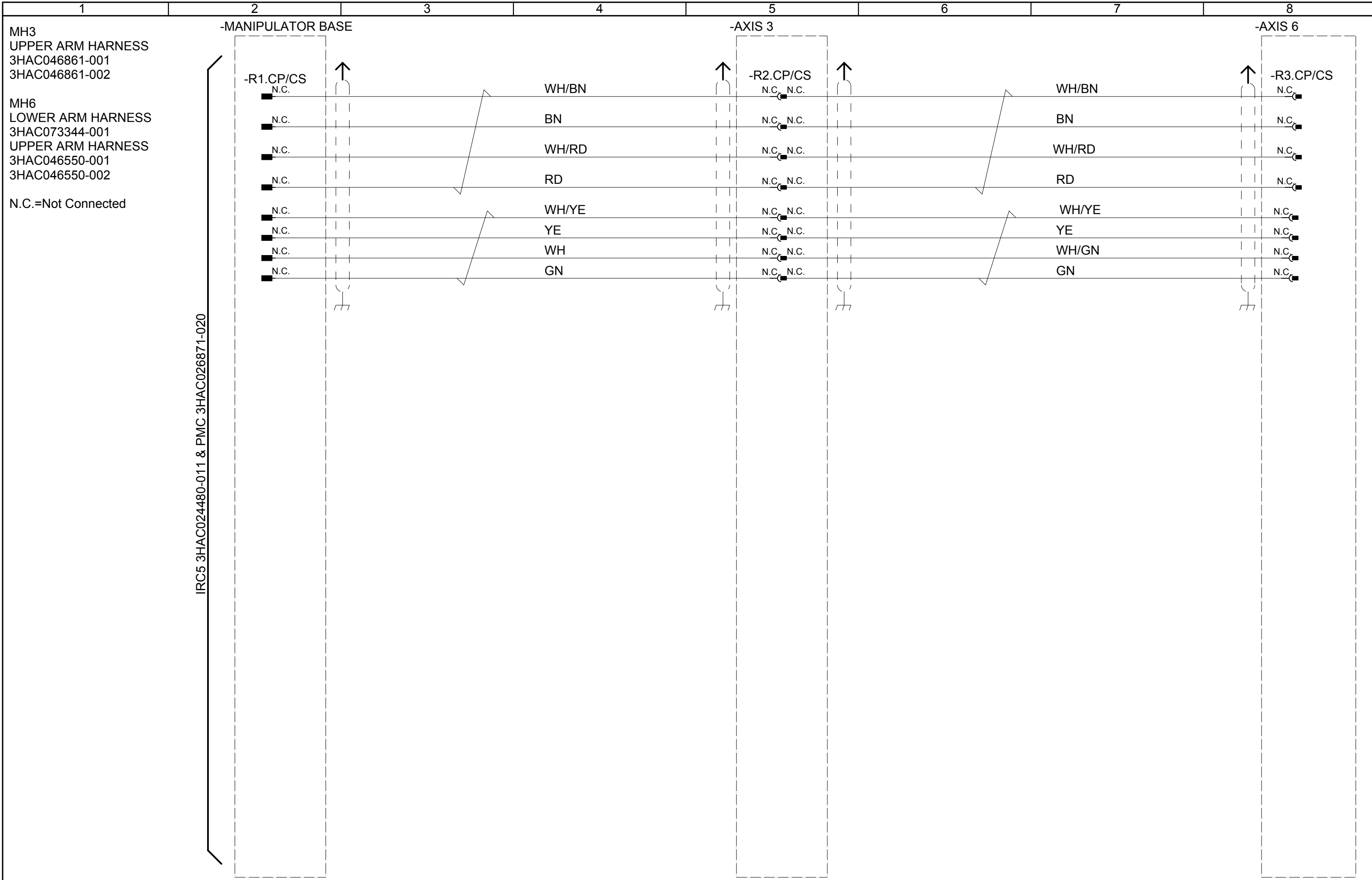


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IRB6700  
 PARACOM MH3 & 6  
 TYPE H

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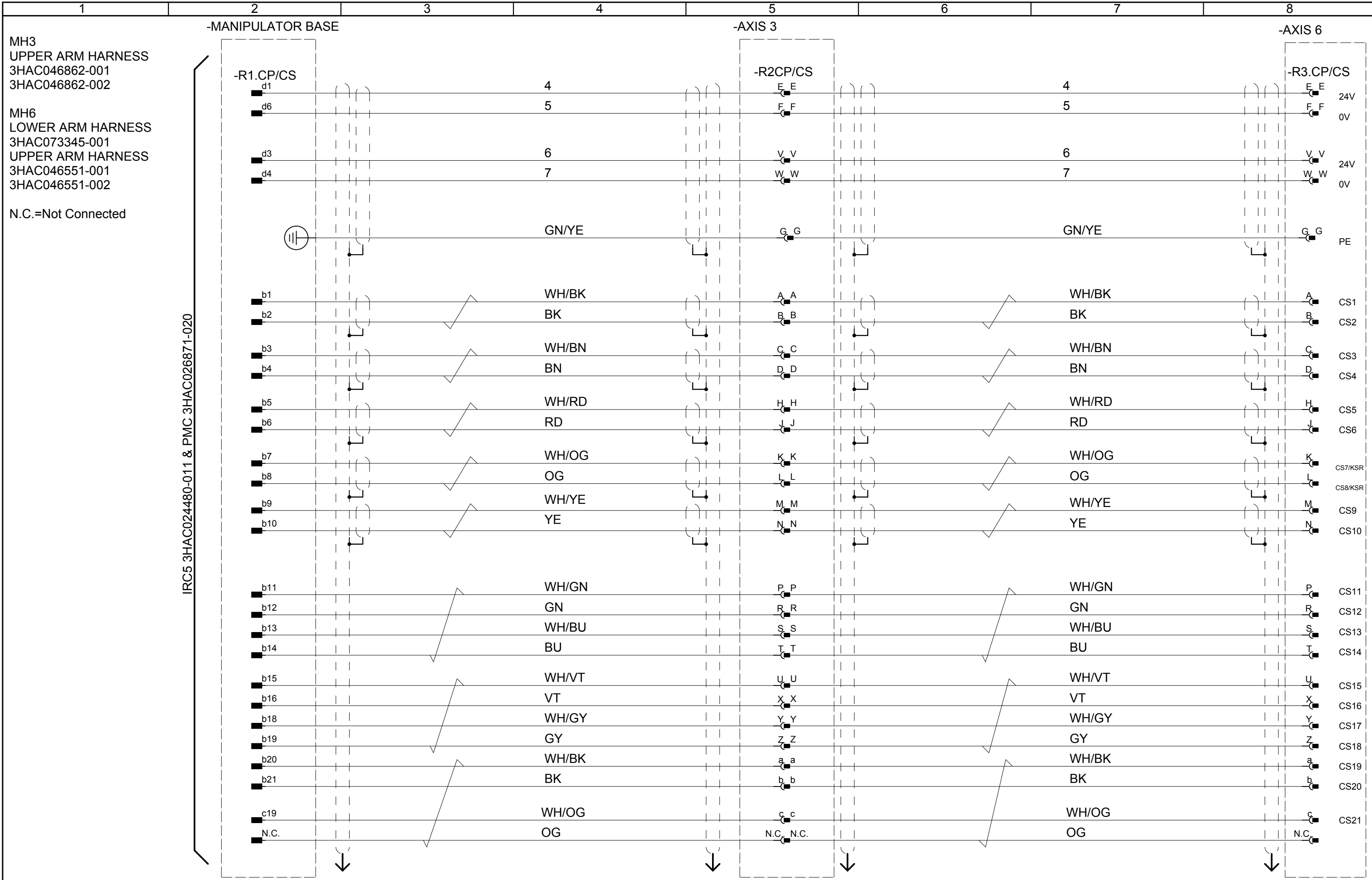
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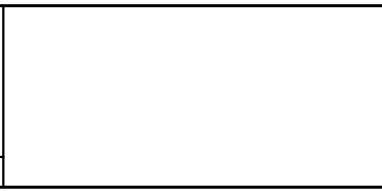
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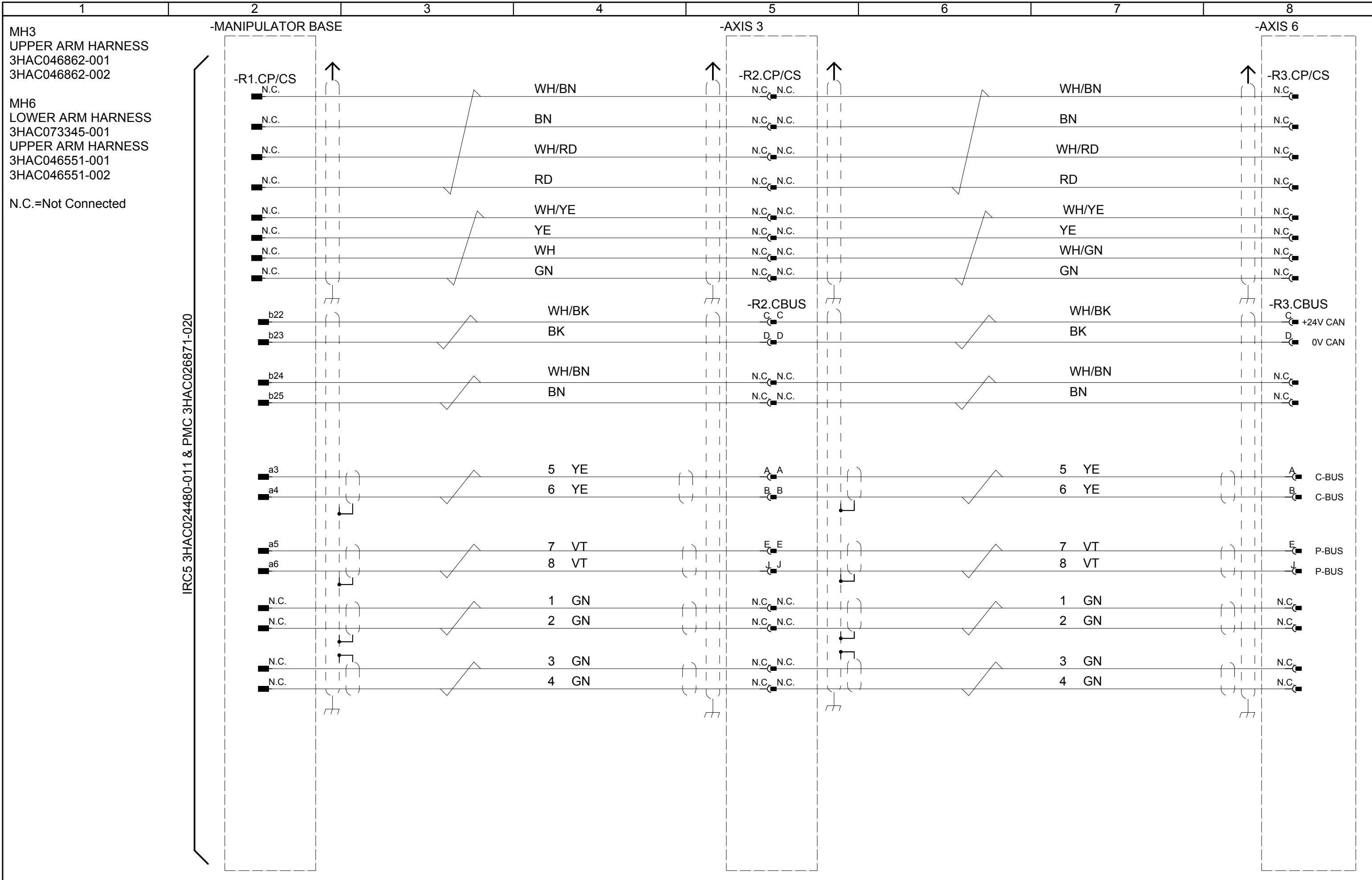
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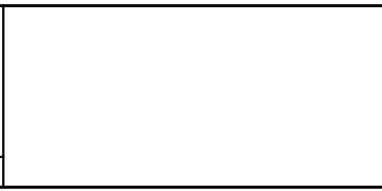
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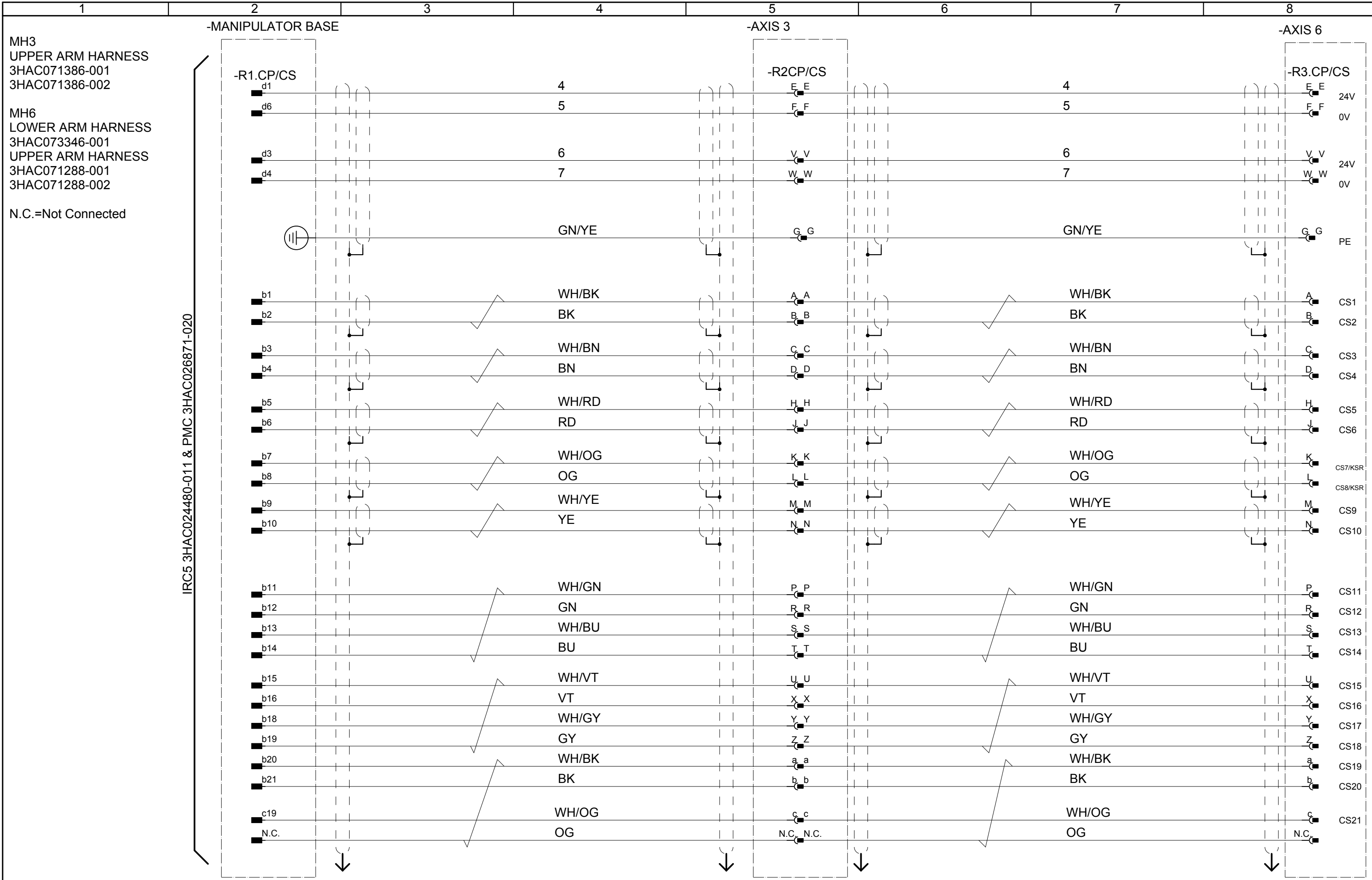
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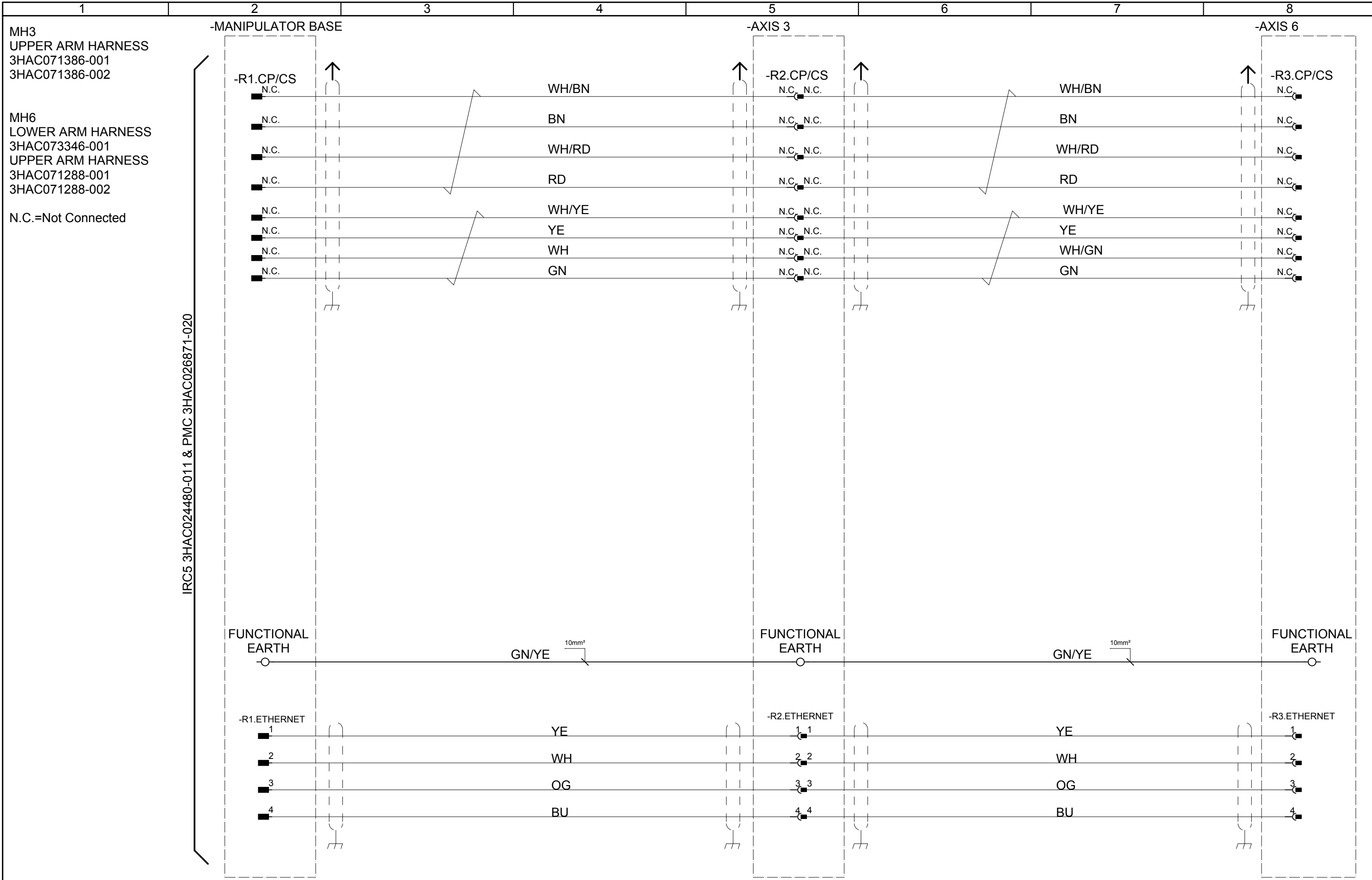
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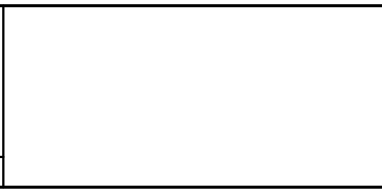
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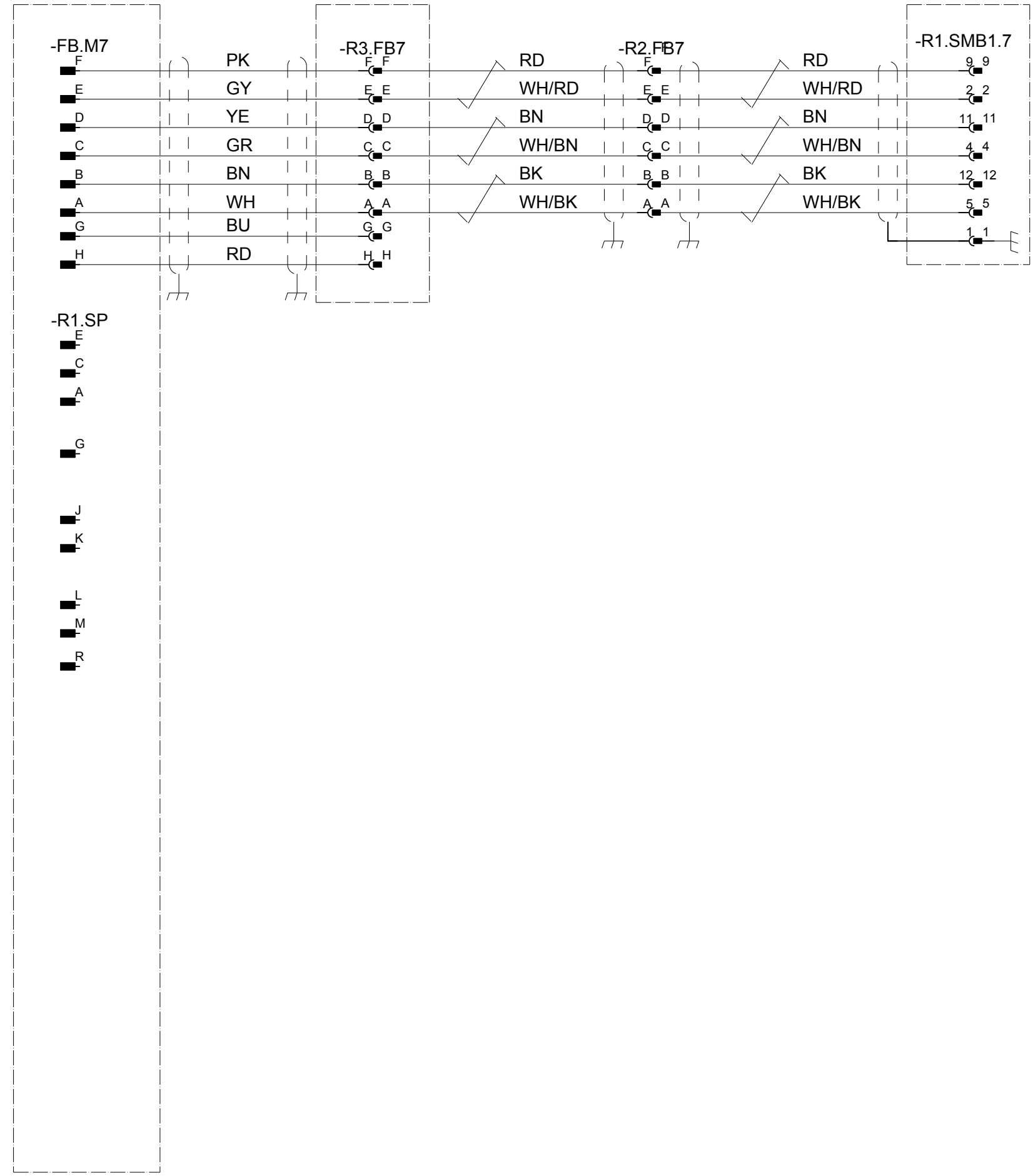
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TYPE HSe  
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 FLOOR HARNESS  
 3HXD1250-70  
 LOWER ARM HARNESS  
 3HAC023278-001

-SERVO PEDESTAL GUN  
 (AXIS 7)

-MANIPULATOR BASE

-SMB



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 TYPE HS, HSe

Status: 2019-09-26

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Document no.

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