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ABB

SE-721 68 Västerås
Sweden

Latest revision: ECO 105331, WI 241451
Pg 50-55: Functional earth added.
Pg 104-105; 155-157; 204-205: New harnesses added,
including functional earth.

Prepared by, date: EM 2019-06-26 | Approved by, date: ML 2019-08-14



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IRB6650S, IRB7600 LeanID

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3HAC022327-002

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DP	PG		250	PEDISTAL GUN	APPROVED	2015-09-03	SEEMFJA

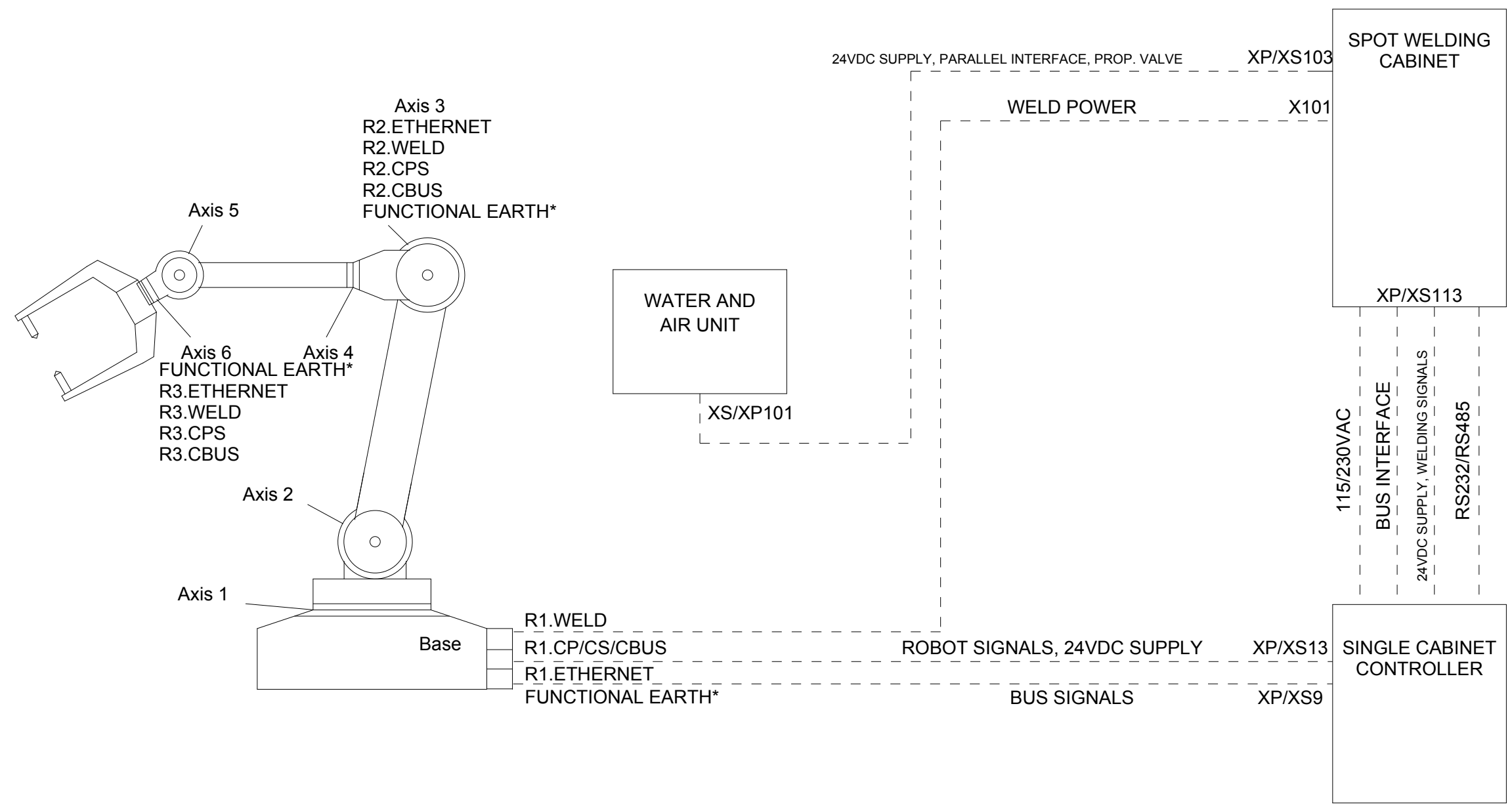
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1	2	3	4	5	6	7	8
Paracom	Parallel Communication					Protective Earth	
Parabuscom	Parallel and Bus Communication (CANBUS, PROFIBUS and DEVICENET)					Twisted wires	
Paramulti	Parallel and Ethernet Communication					Quad twined wires	
S	Welding					Screened wires	
Se	Weld with Servogun					Screen is connected to earth	
H	Material Handling					Screen connection continues on the next page	
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

* Functional earth exist only on the option Paramulti.



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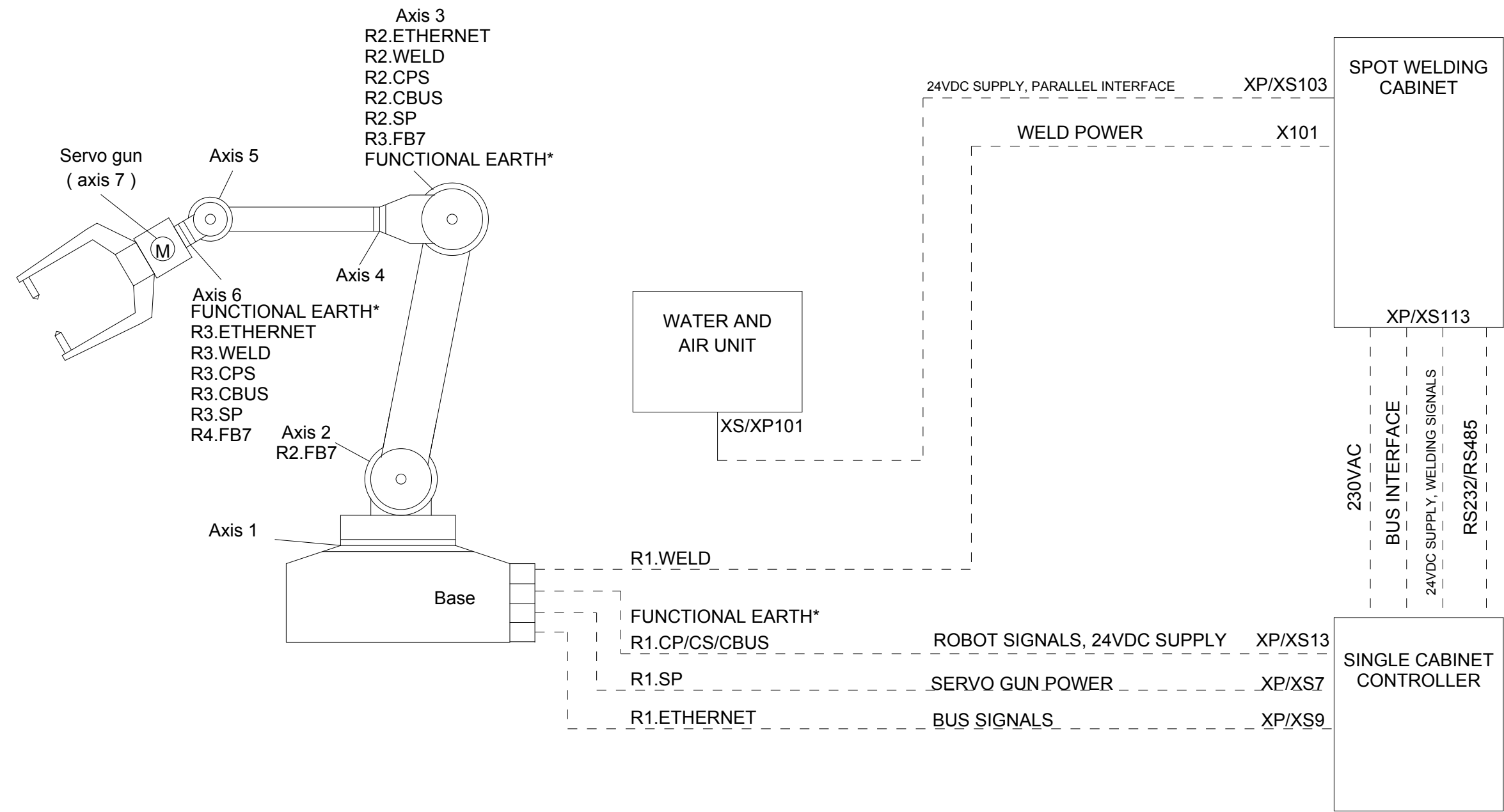
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 BLOCK DIAGRAM - TYPE S
 DRESS PACK

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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

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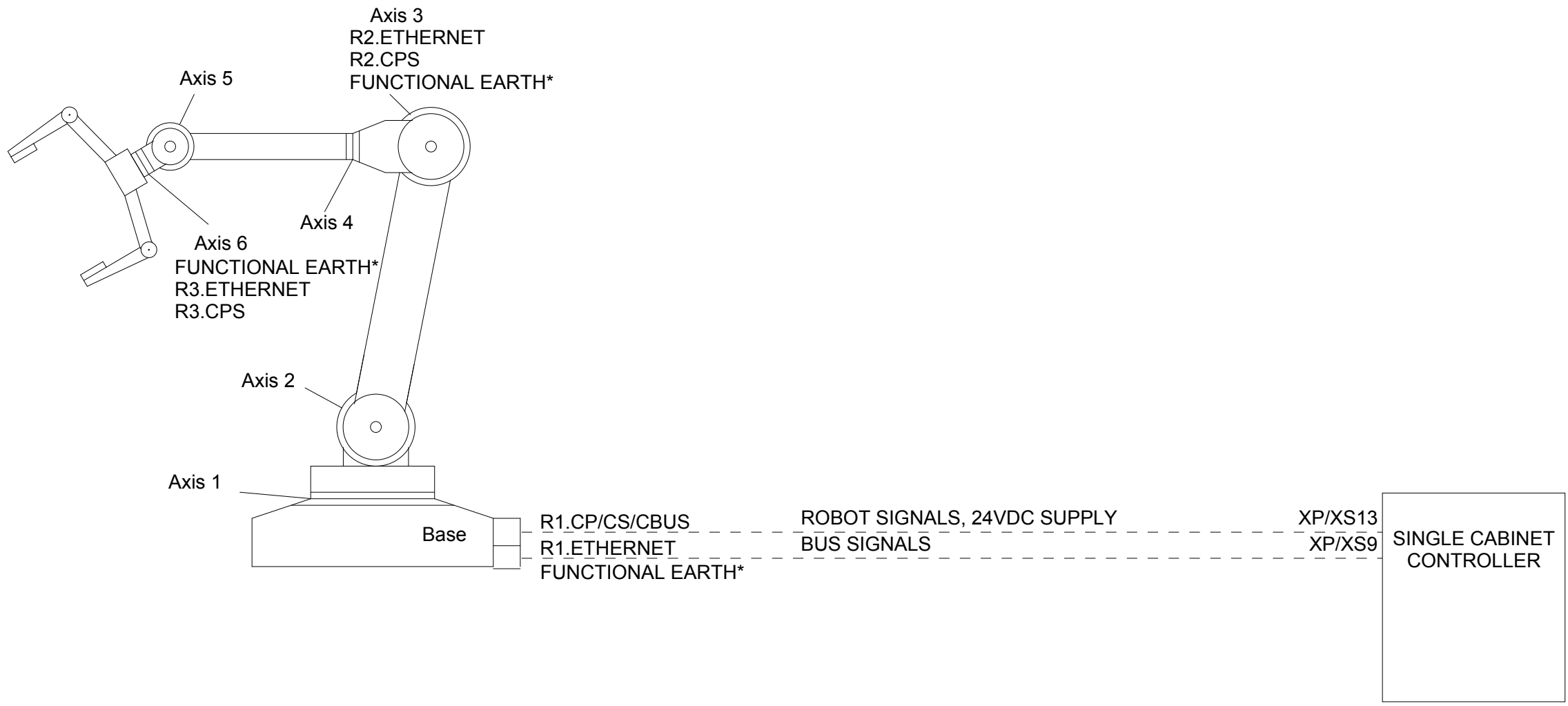
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BLOCK DIAGRAM TYPE H

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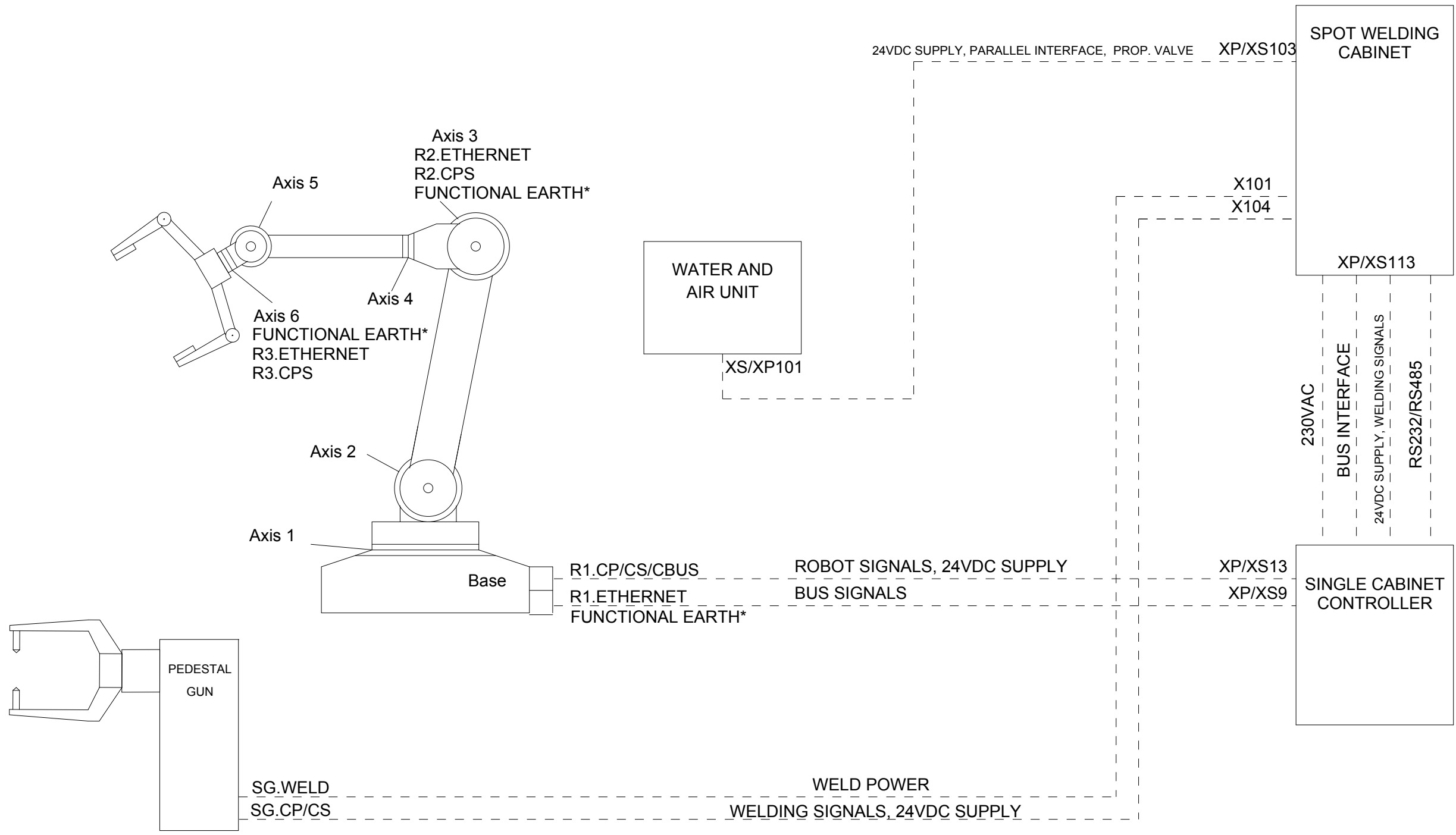
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BLOCK DIAGRAM TYPE HS (material handling and pneumatic gun)
 IRBDP SW6
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011
 and 3HAC026871-020 for Panel mounted controller.
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001

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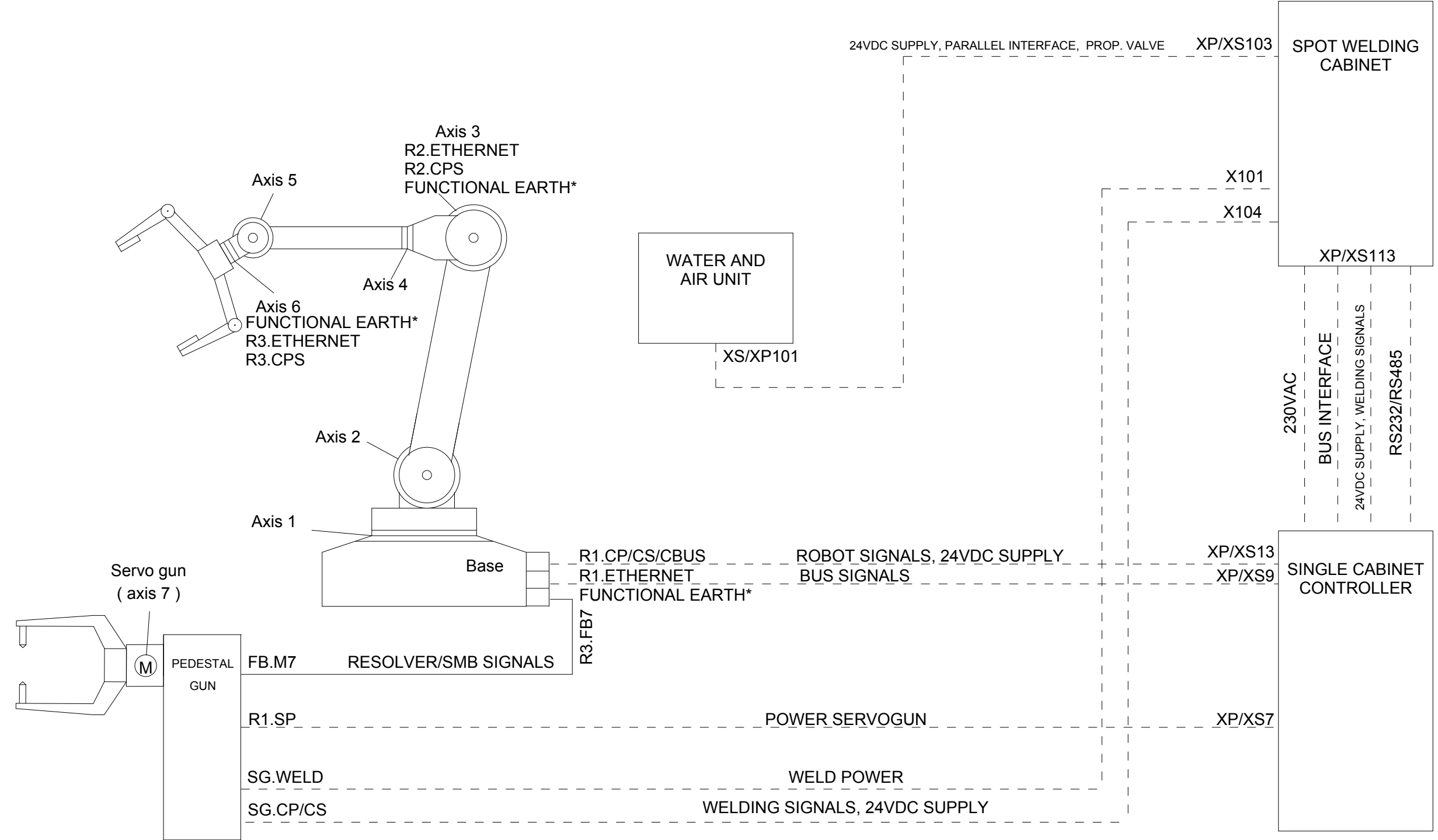
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 DRESS PACK

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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

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 BLOCK DIAGRAM - TYPE HSe
 DRESS PACK

Status: 2019-08-14
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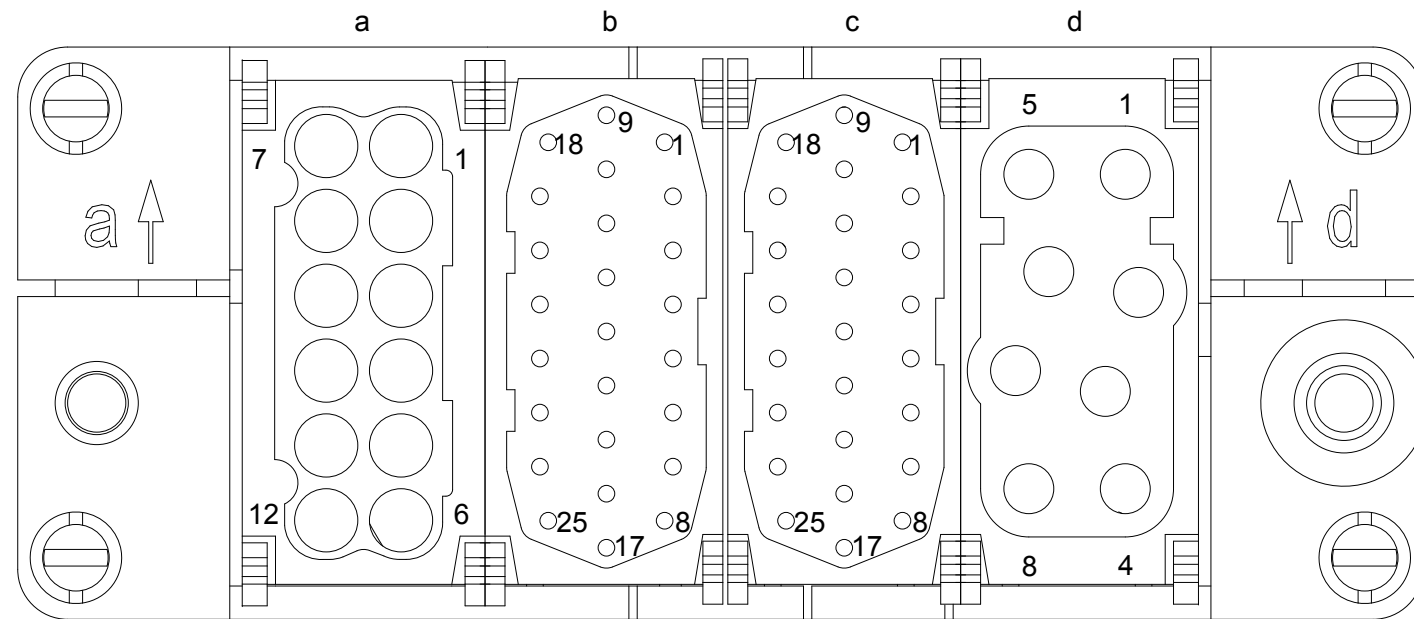
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BLOCK DIAGRAM TYPE S/H

Male (R1.CP/CS)



HARTING HAN MODULE/

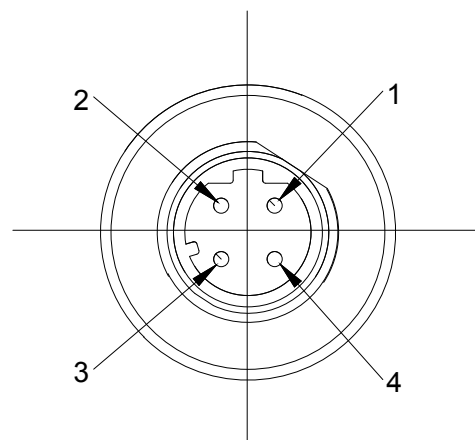
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HD

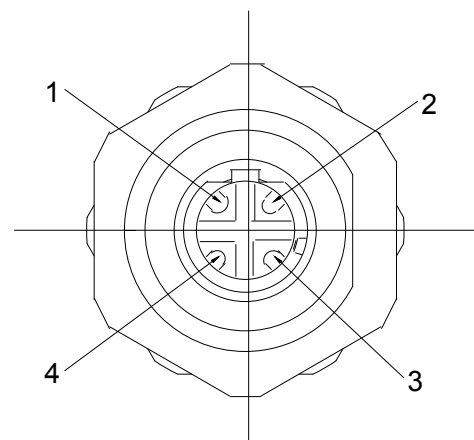
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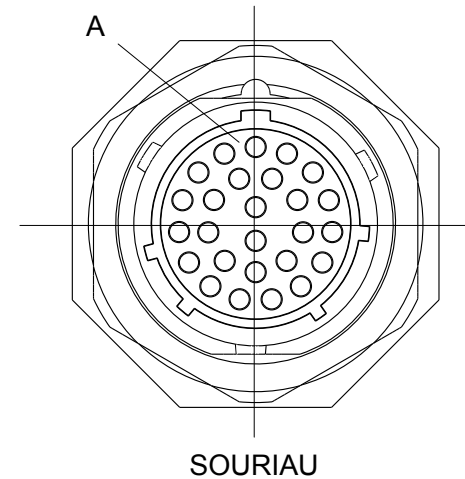
Male 4p
R2.ETHERNET
R3.ETHERNET



Female 4p
R1.ETHERNET
R2.ETHERNET

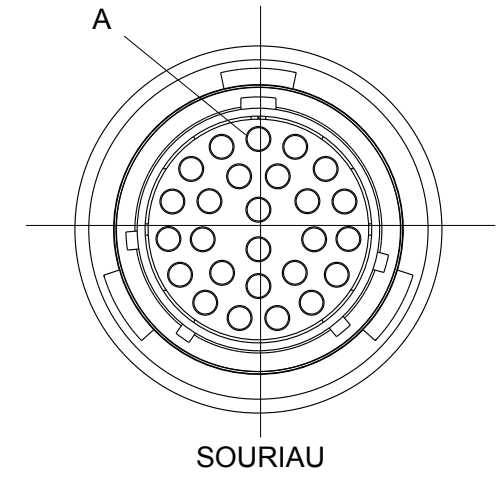


Female 26p (R2.CP/CS)



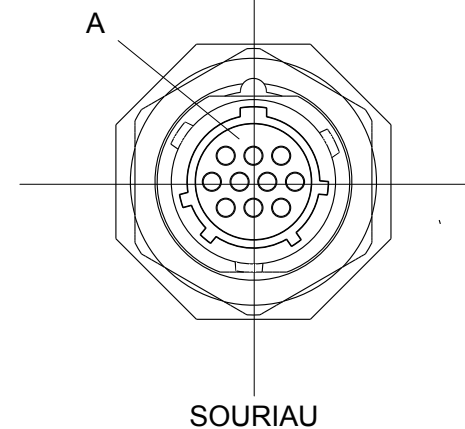
SOURIAU

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



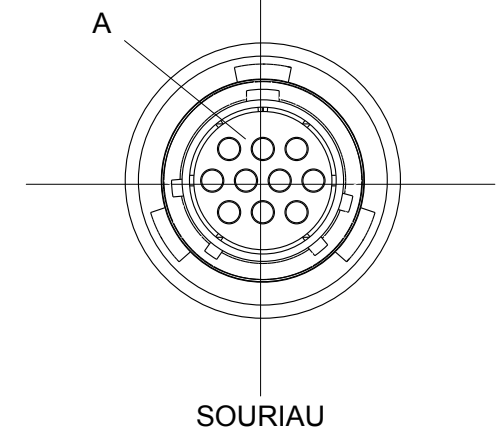
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Female 10p (R2.CBUS)



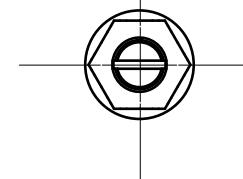
SOURIAU

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



SOURIAU

FUNCTIONAL EARTH



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CONNECTOR LAYOUT

DRESS PACK

Status: 2019-08-14

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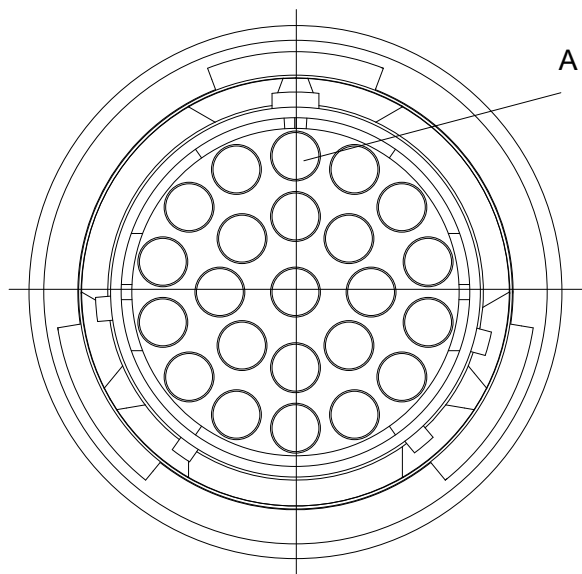
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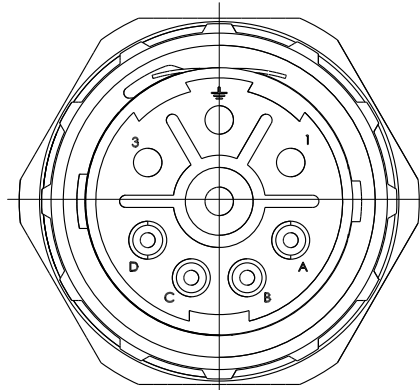
BLOCK DIAGRAM TYPE Se

Female 23p (R1.SP)



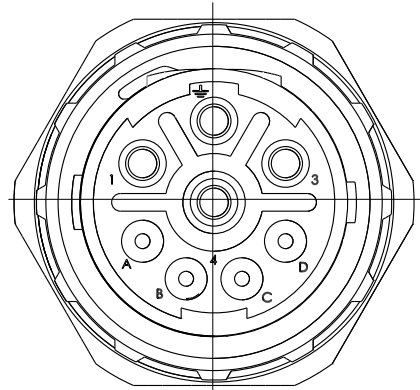
SOURIAU

Male 8p
R2.SP



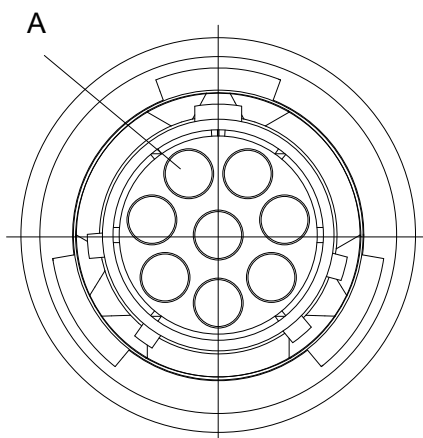
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Female 8p
R2.SP
R3.SP



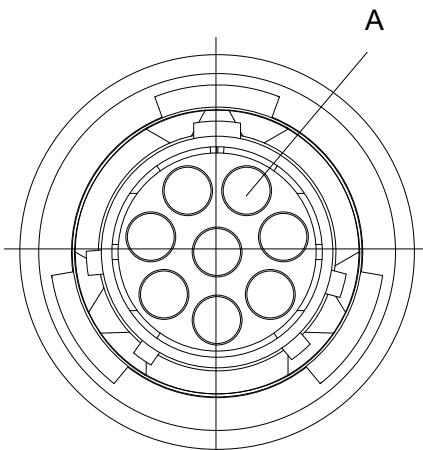
HUMMEL

Female 8p (R2.FB7)



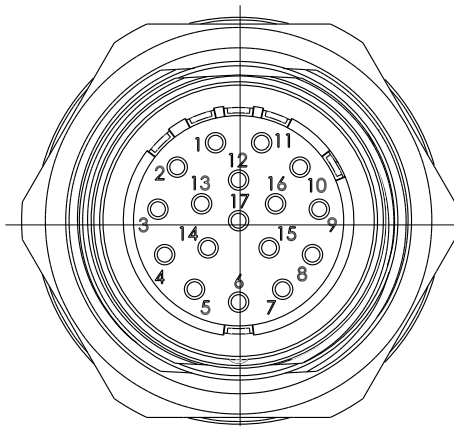
SOURIAU

Male 8p (R2.FB7)



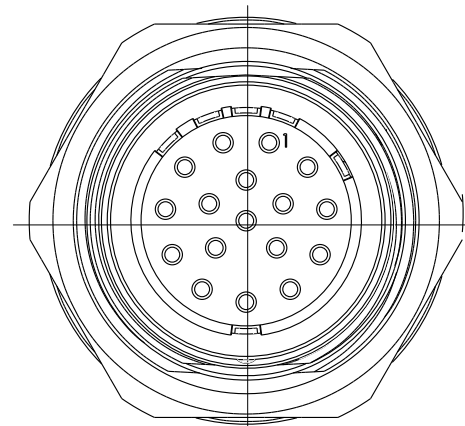
SOURIAU

Male 17p (R3.FB7)



SOURIAU

Female 17p (R3.FB7 & R4.FB7)



SOURIAU

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CONNECTOR LAYOUT

DRESS PACK

Status: 2019-08-14

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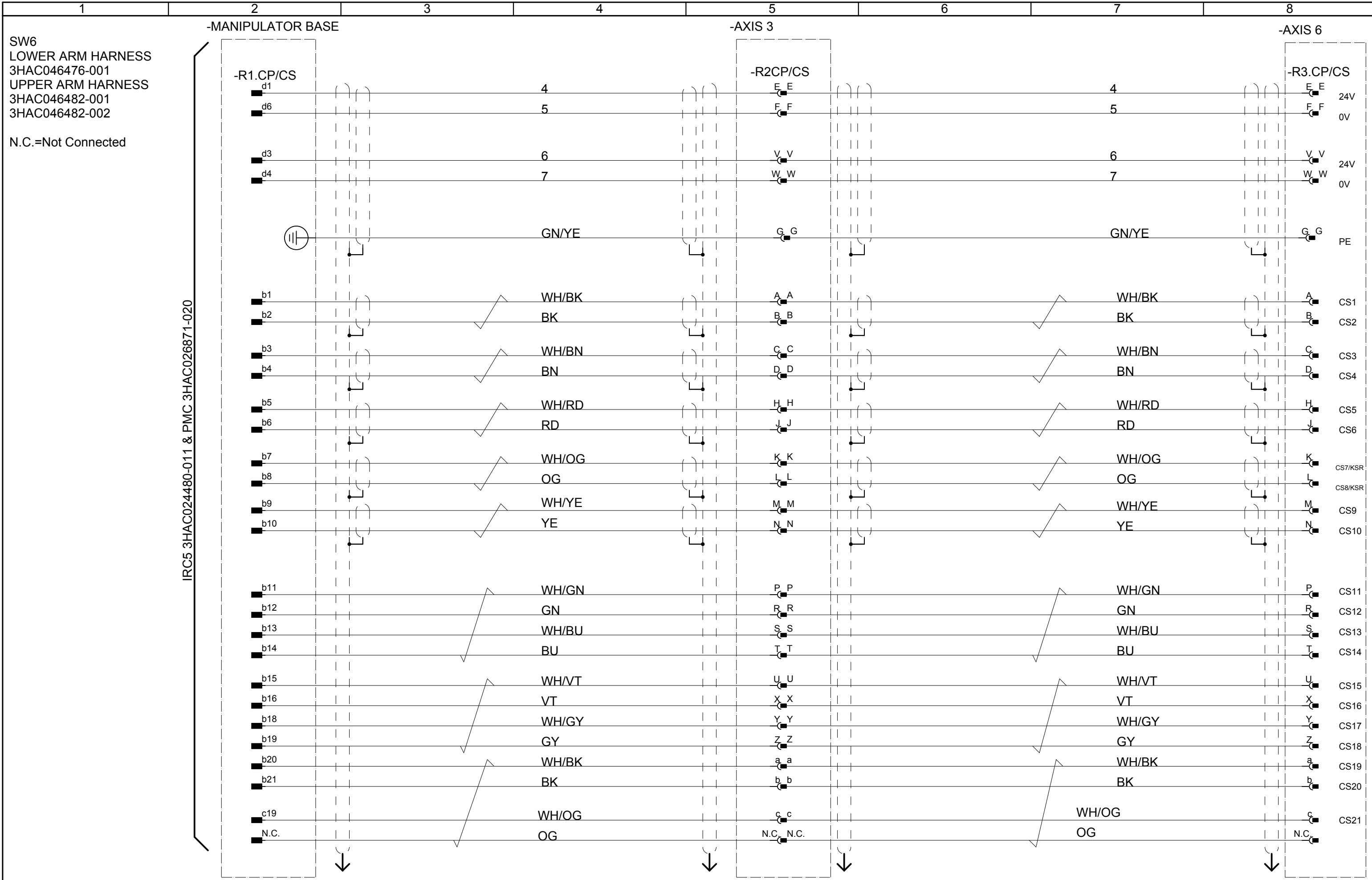
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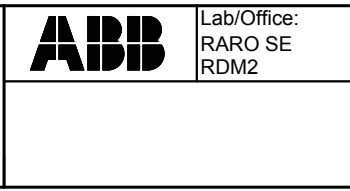


IRC5 3HAC024480-011 & PMC 3HAC026871-020

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PARACOM SW6

TYPE S

Status: 2019-08-14

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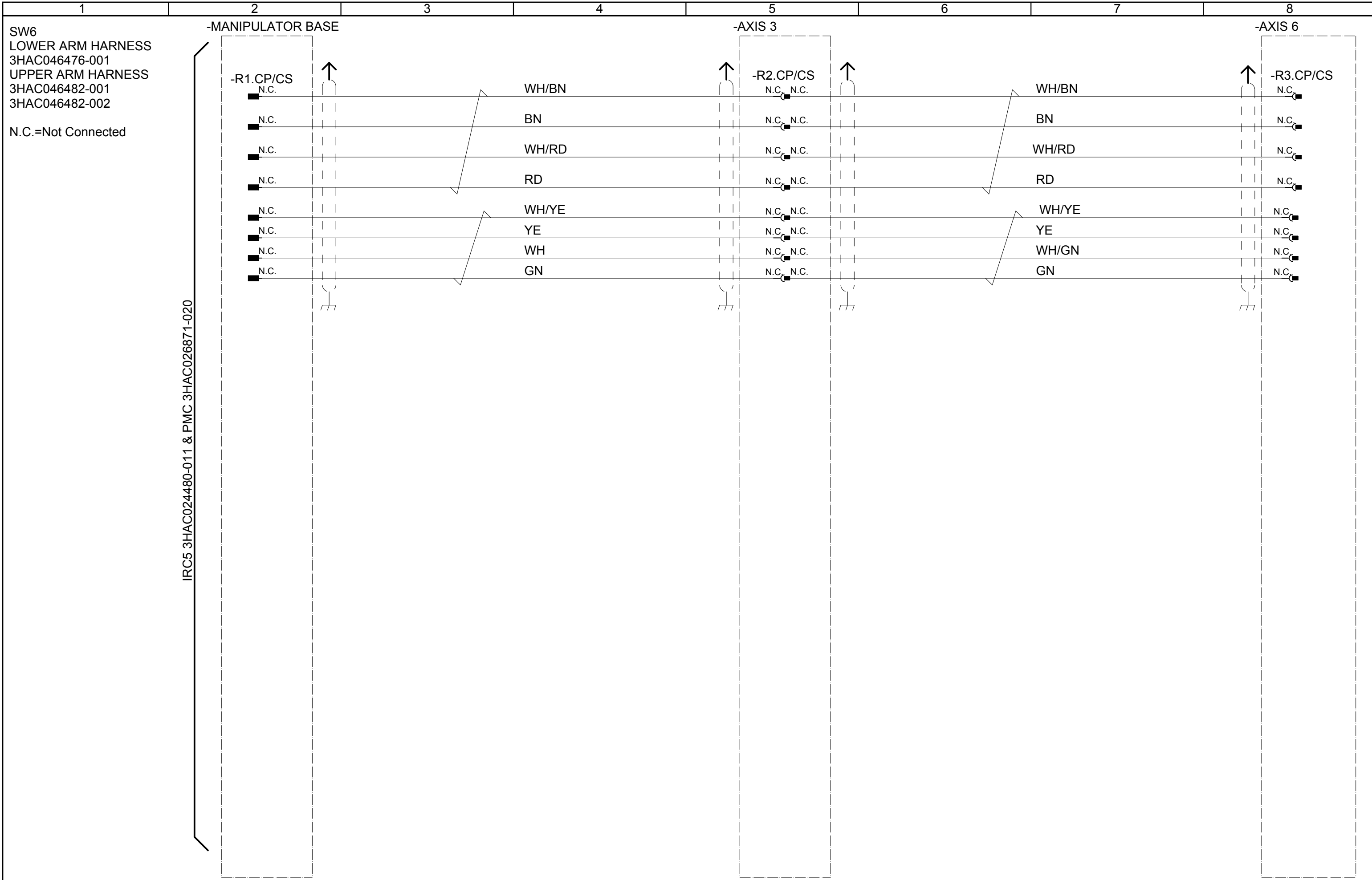
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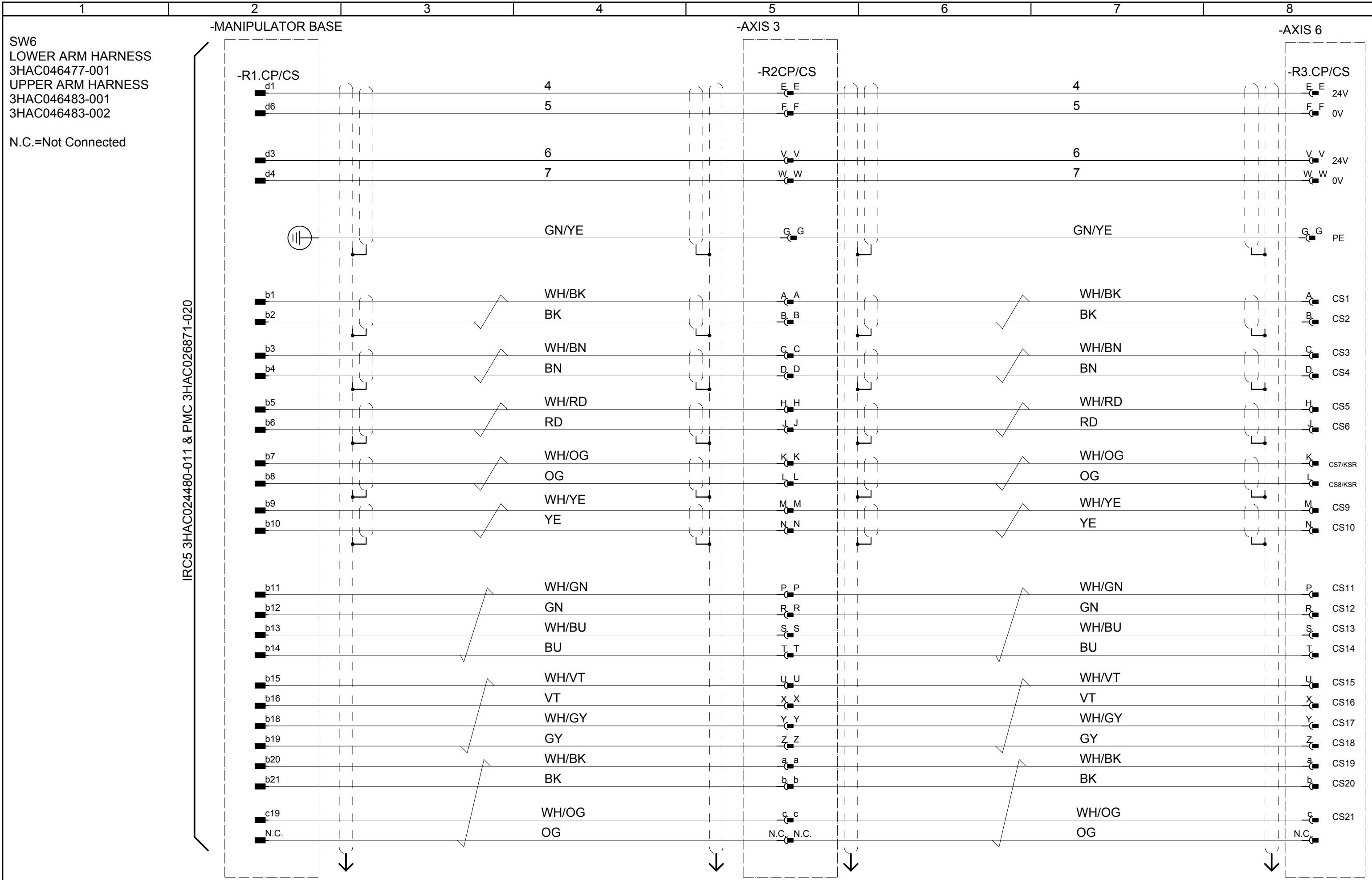
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 PARACOM SW6
 TYPE S

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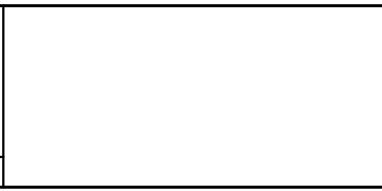
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IRC5 3HAC024480-011 & PMC 3HAC026871-020

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PARABUSCOM SW6

TYPE S

Status: 2019-08-14

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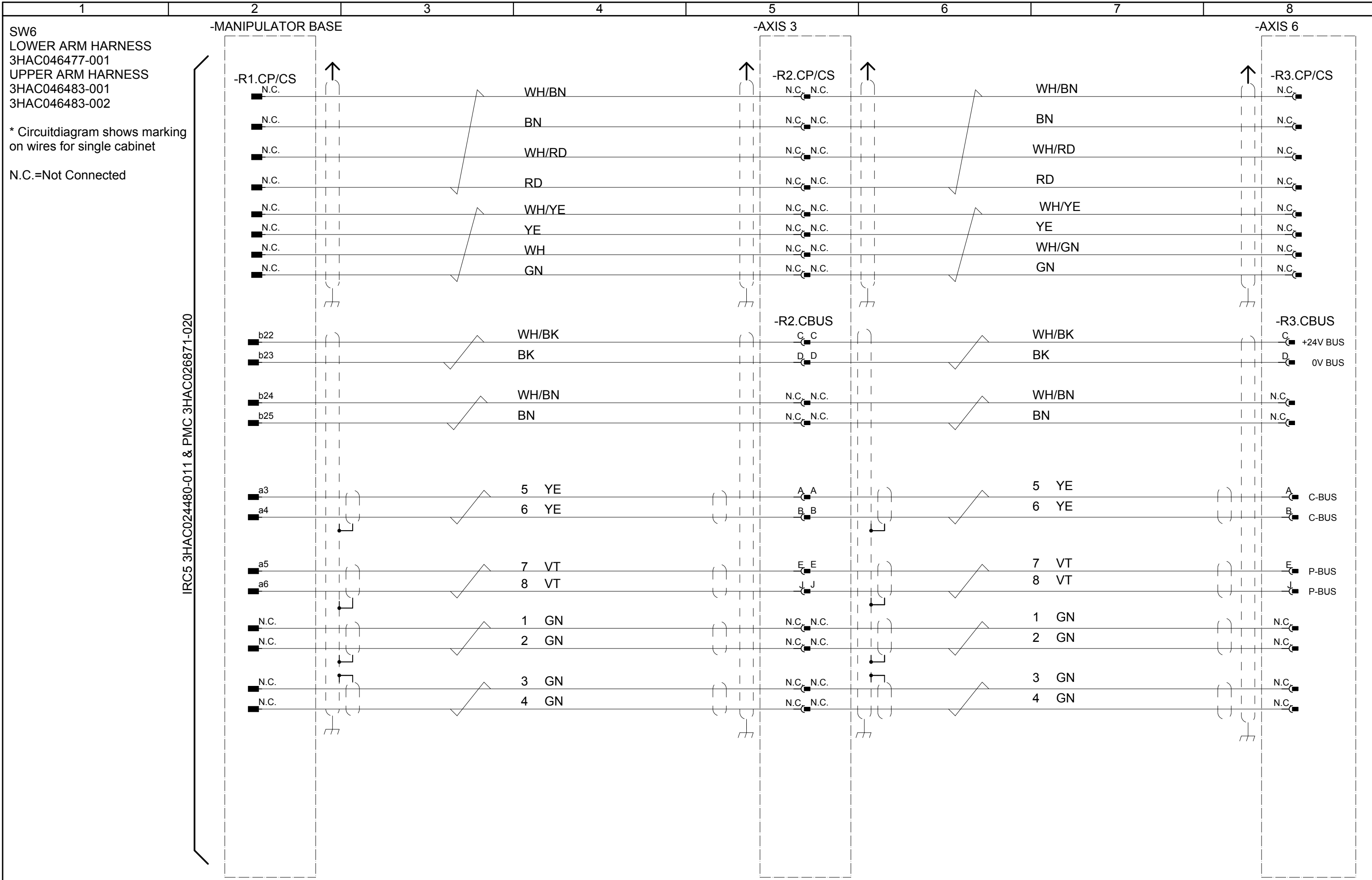
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SW6
 LOWER ARM HARNESS
 3HAC046477-001
 UPPER ARM HARNESS
 3HAC046483-001
 3HAC046483-002

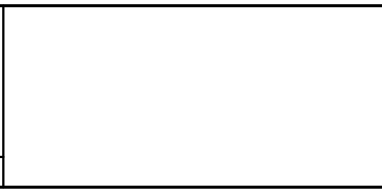
* Circuitdiagram shows marking on wires for single cabinet

N.C.=Not Connected

IRC5 3HAC024480-011 & PMC 3HAC026871-020

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PARABUSCOM SW6

TYPE S

Status: 2019-08-14

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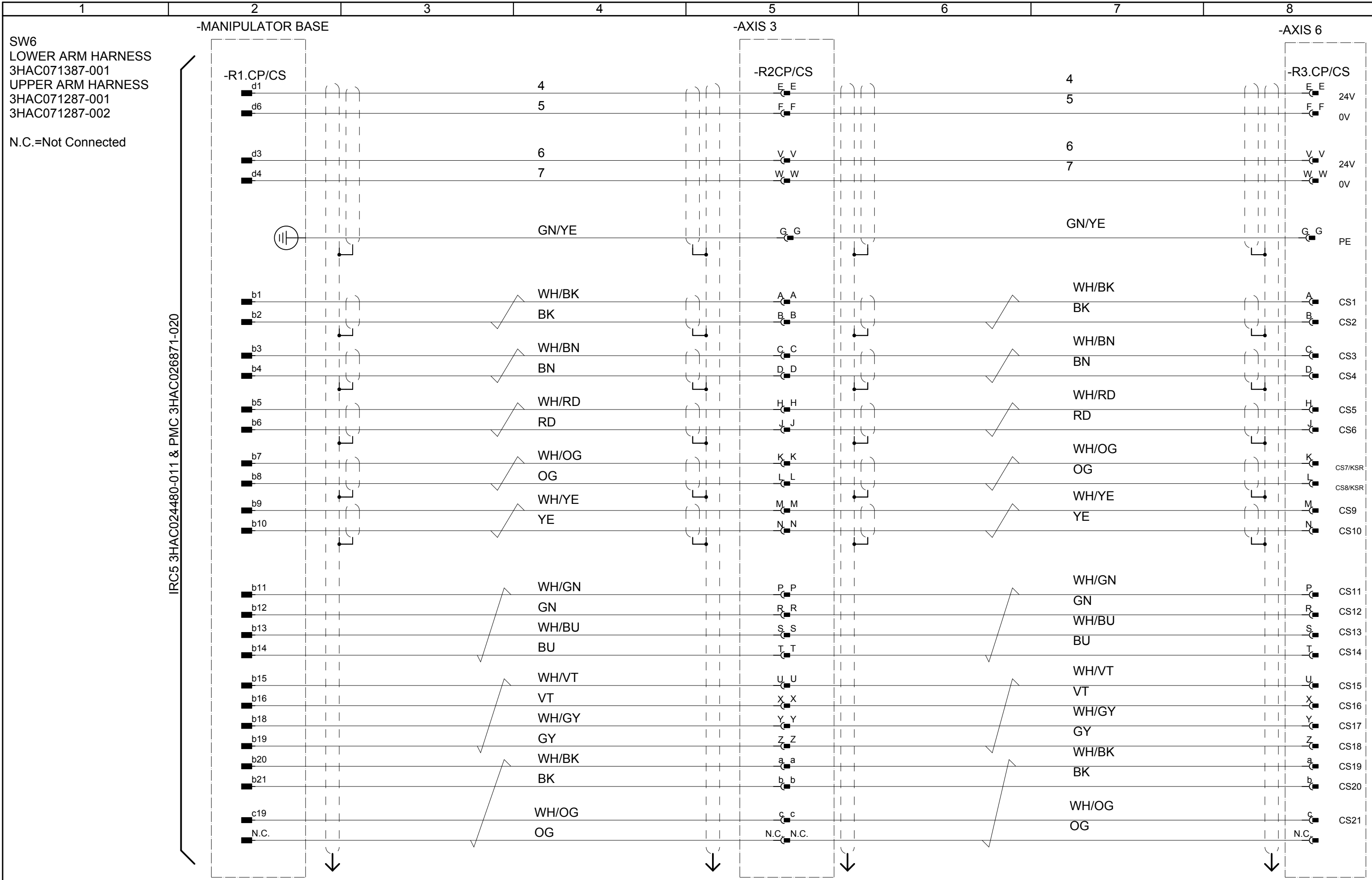
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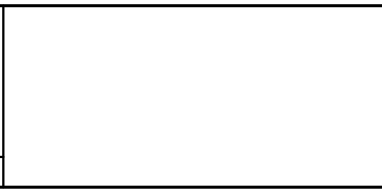
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PARAMULTI SW6

TYPE S

Status: 2019-08-14

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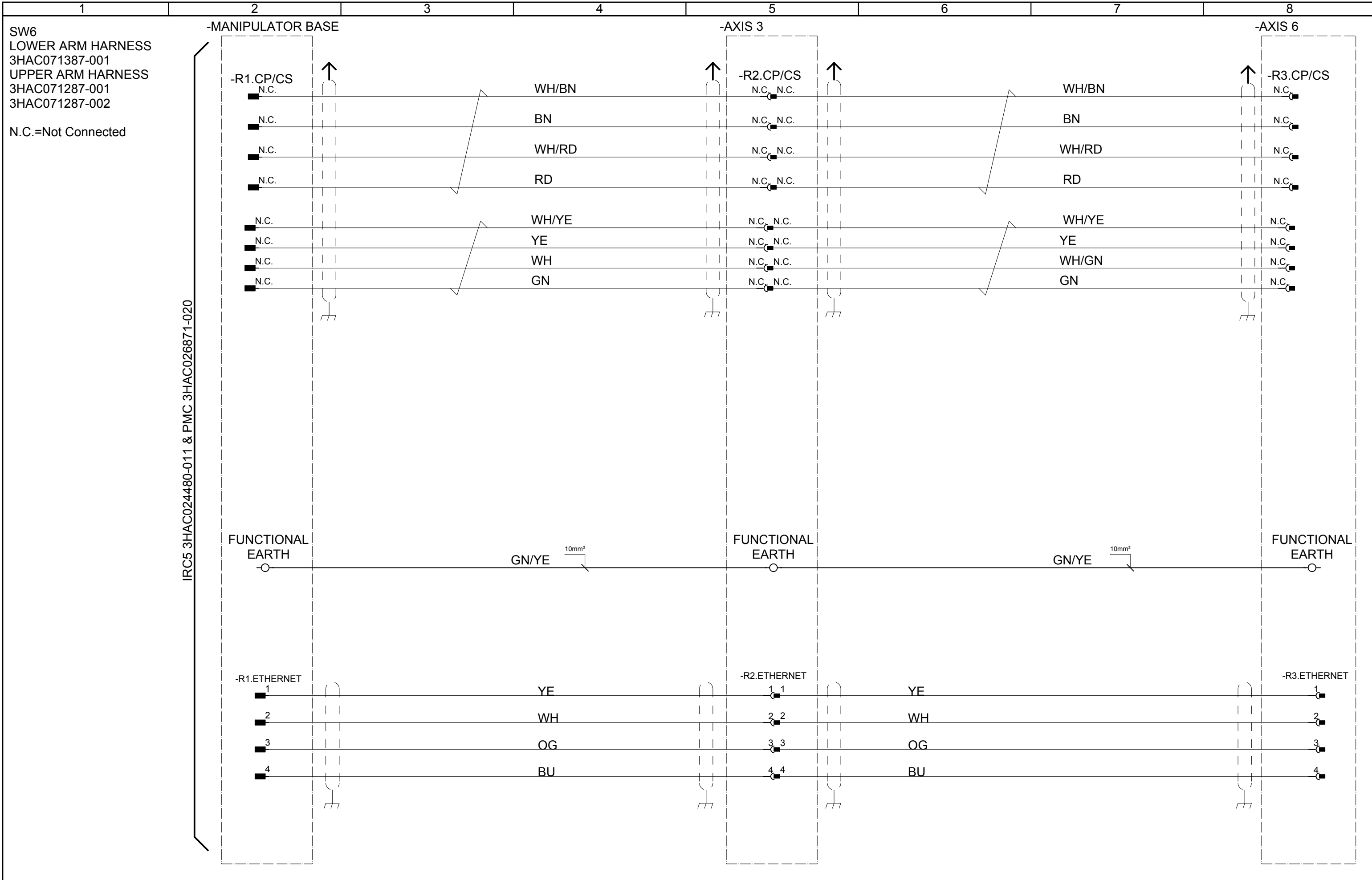
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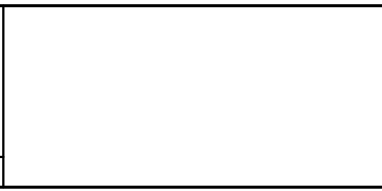
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PARAMULTI SW6

TYPE S

Status: 2019-08-14

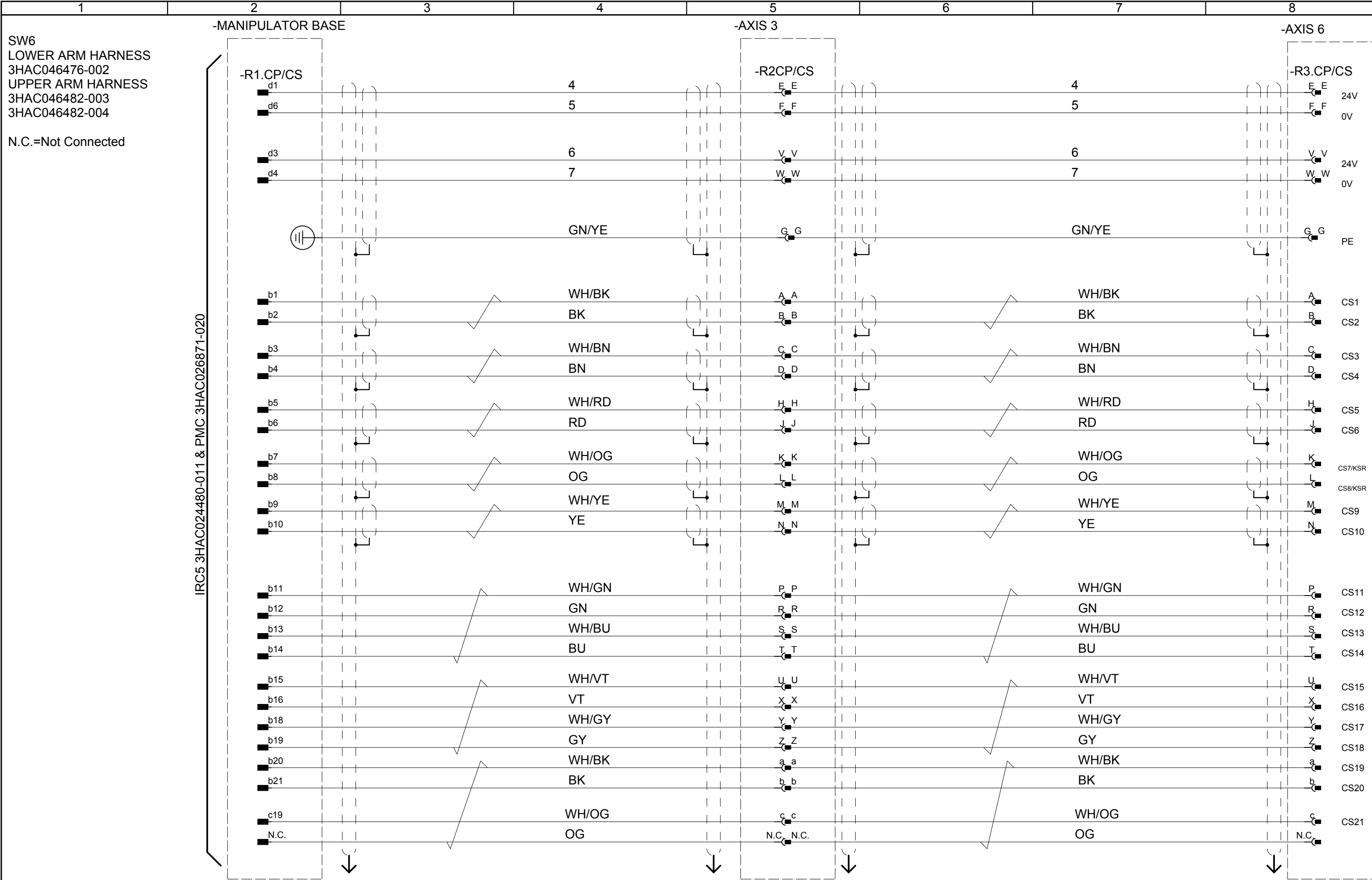
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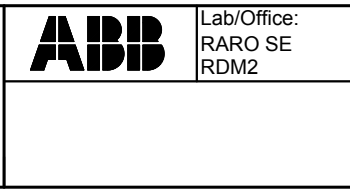
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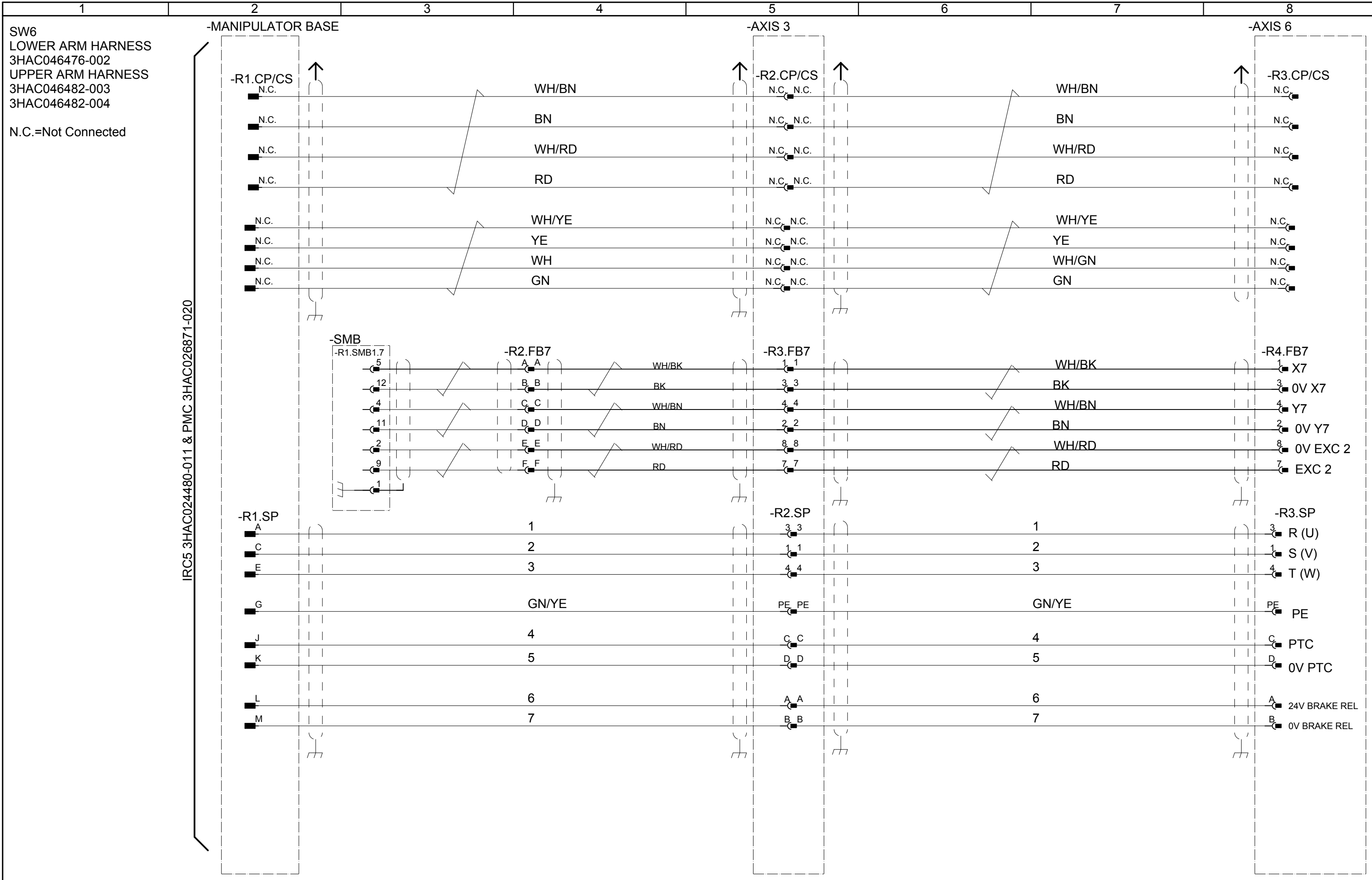


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PARACOM, SERVOGUN SW6
TYPE Se

Status: 2019-08-14
Approved
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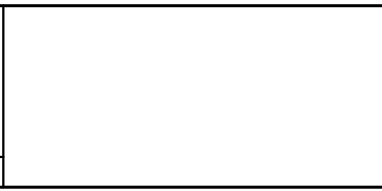
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 Pg 104-105; 155-157; 204-205: New harnesses added,
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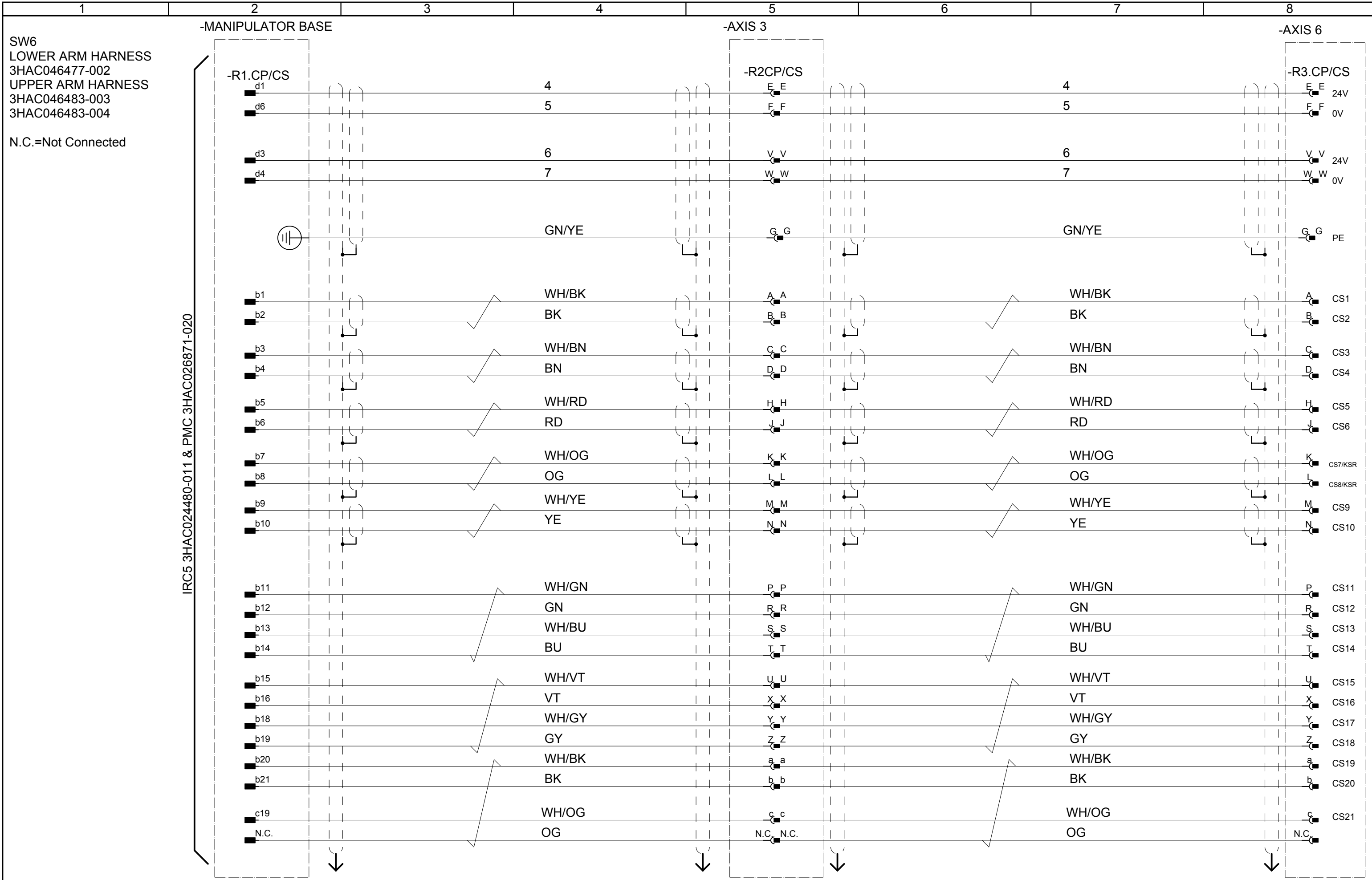
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SW6
 LOWER ARM HARNESS
 3HAC046477-002
 UPPER ARM HARNESS
 3HAC046483-003
 3HAC046483-004
 N.C.=Not Connected

IRC5 3HAC024480-011 & PMC 3HAC026871-020

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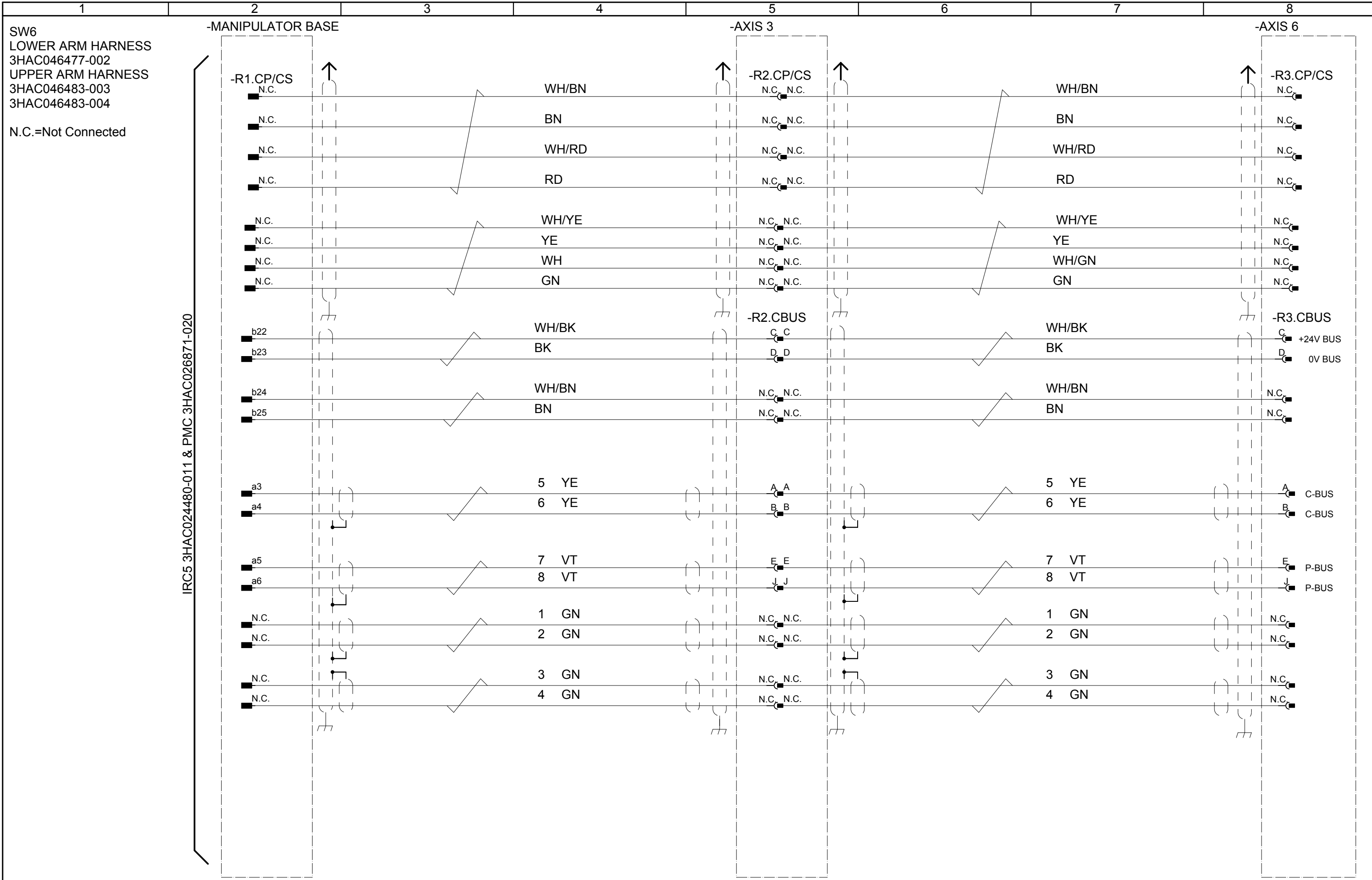
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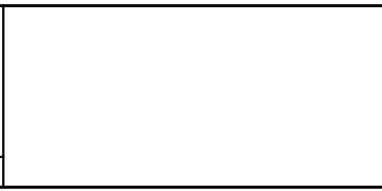
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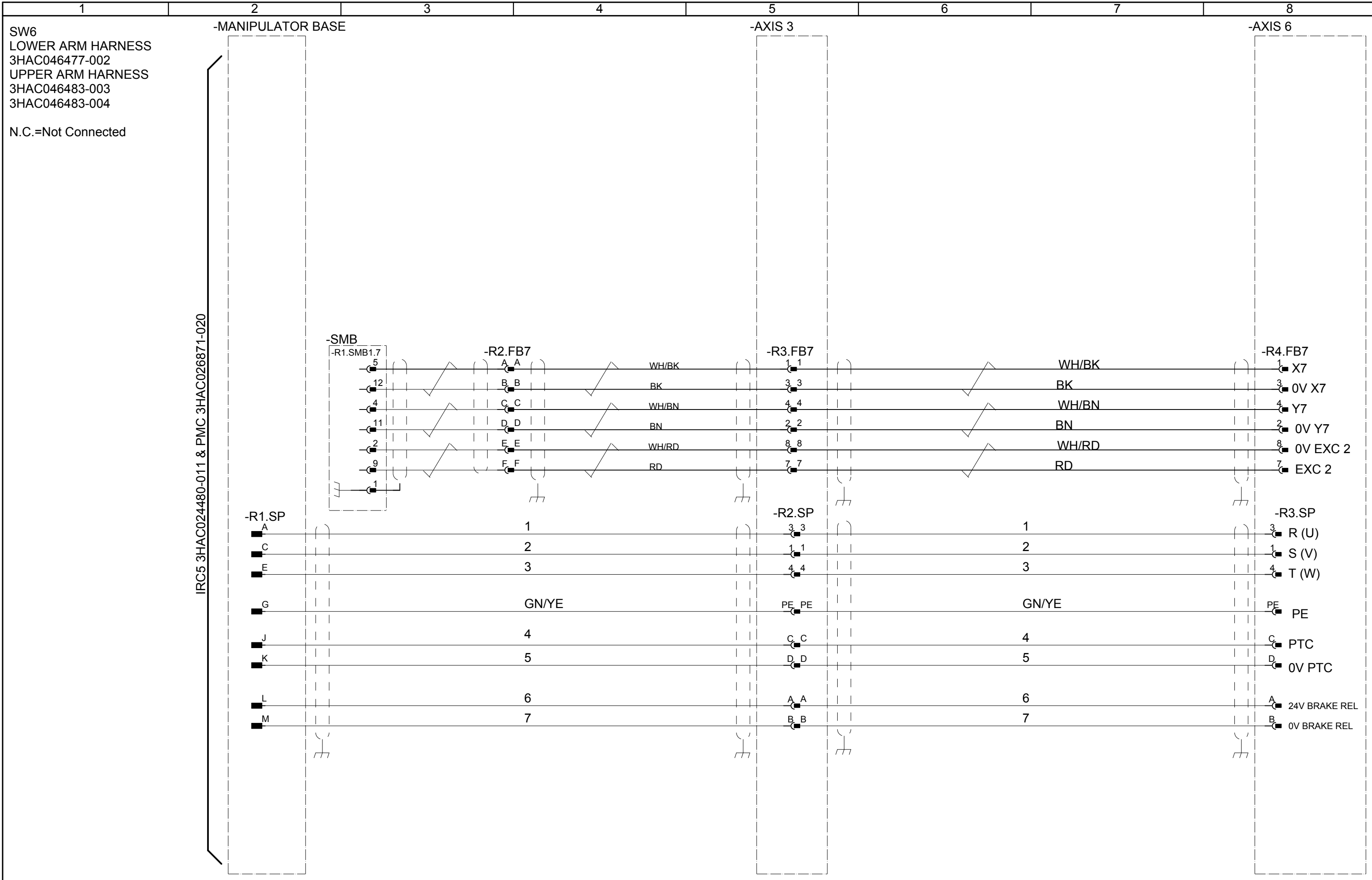
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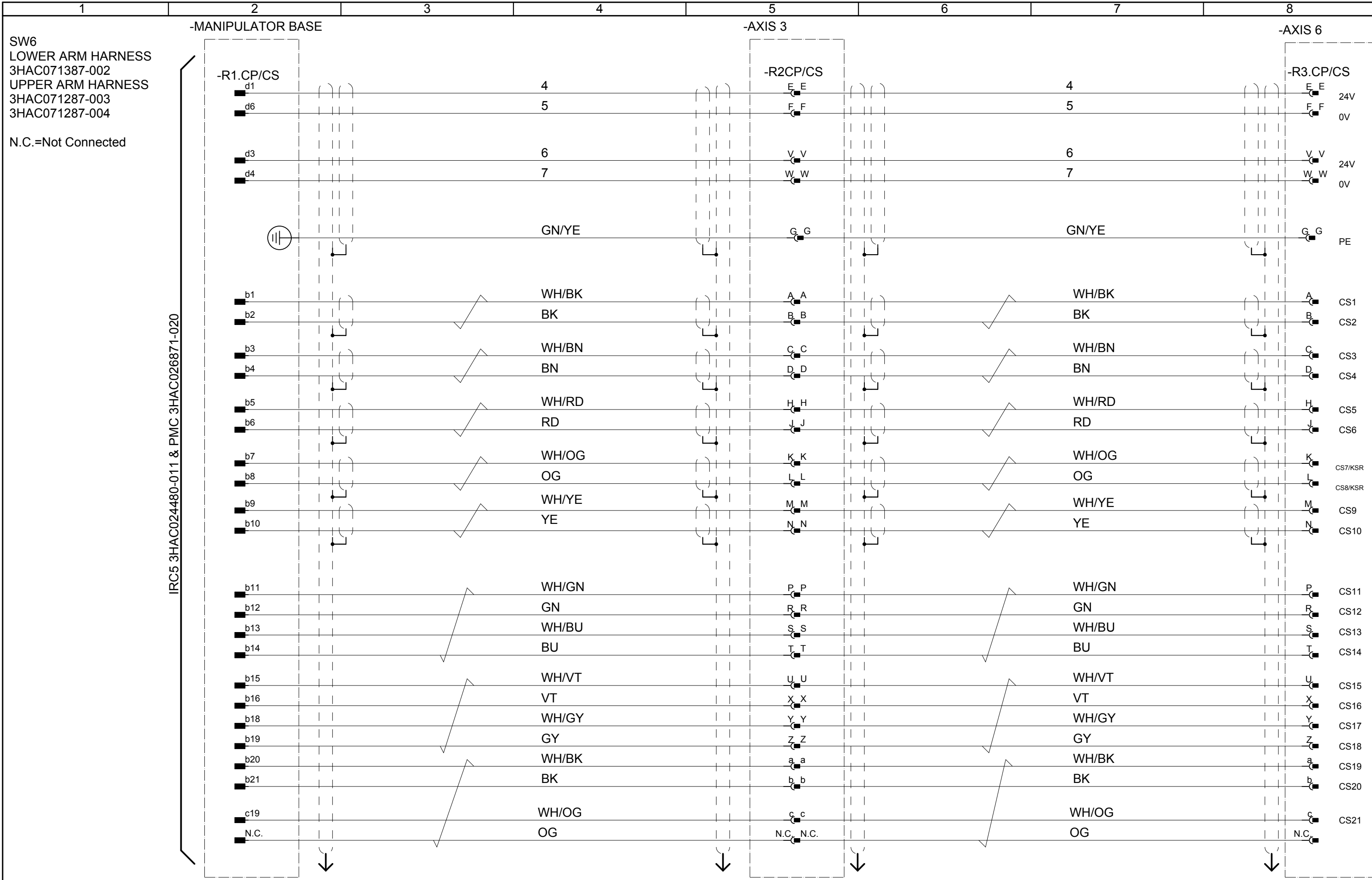
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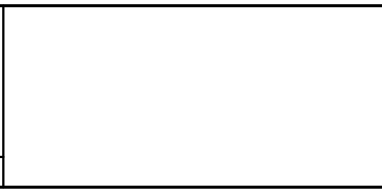
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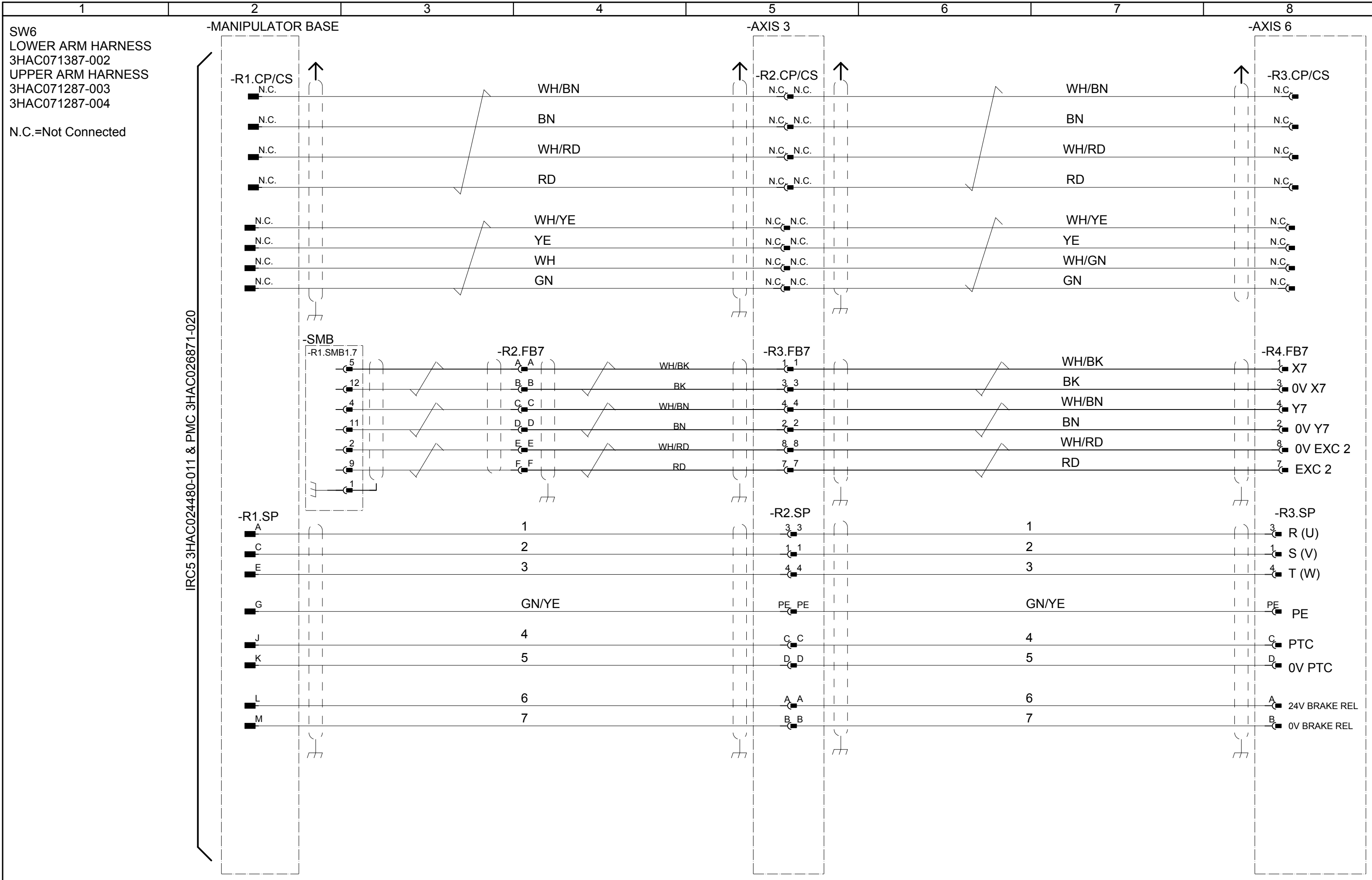
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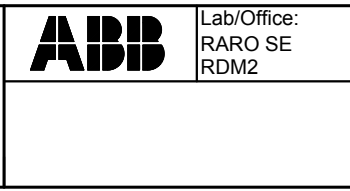
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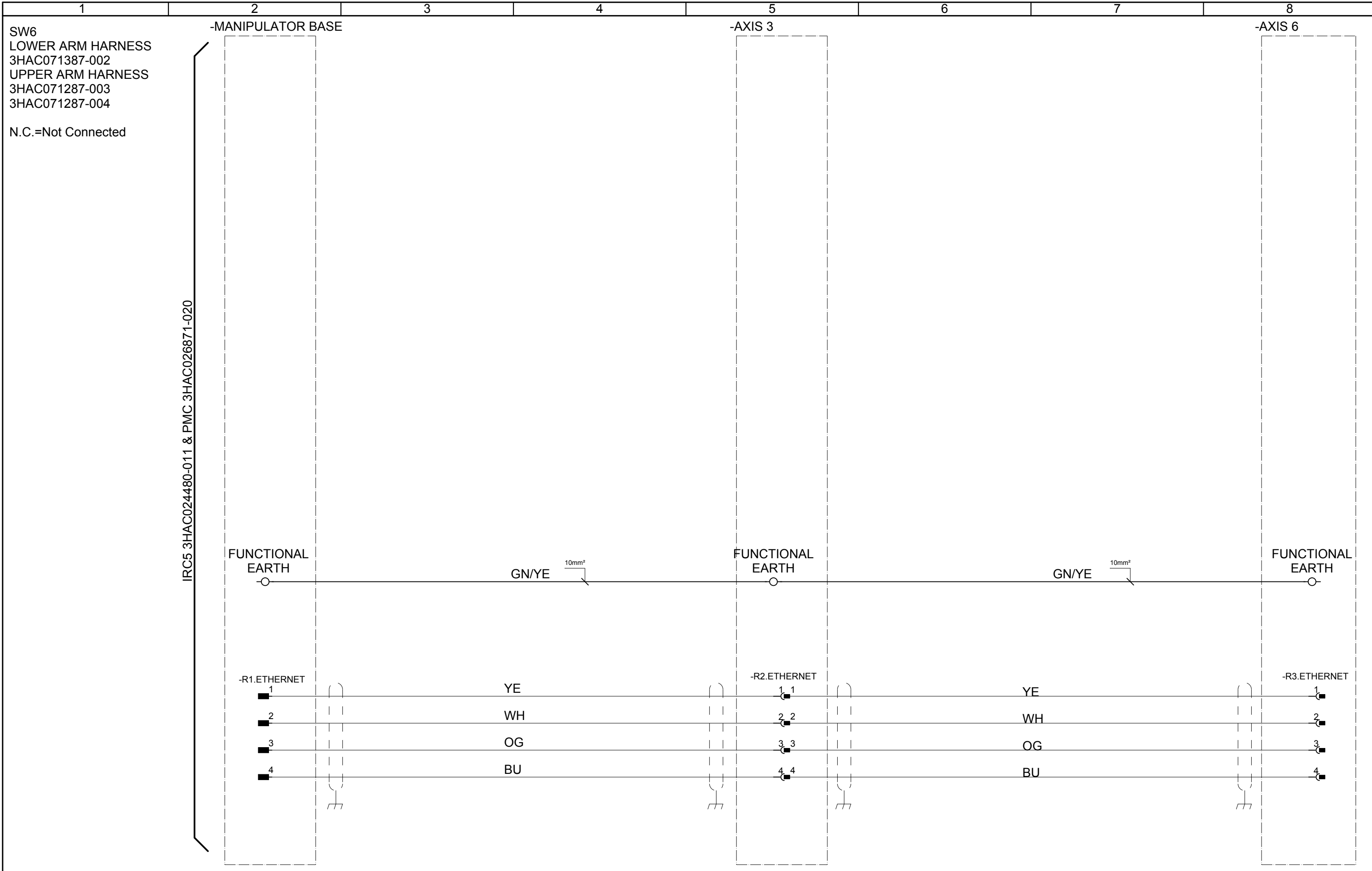
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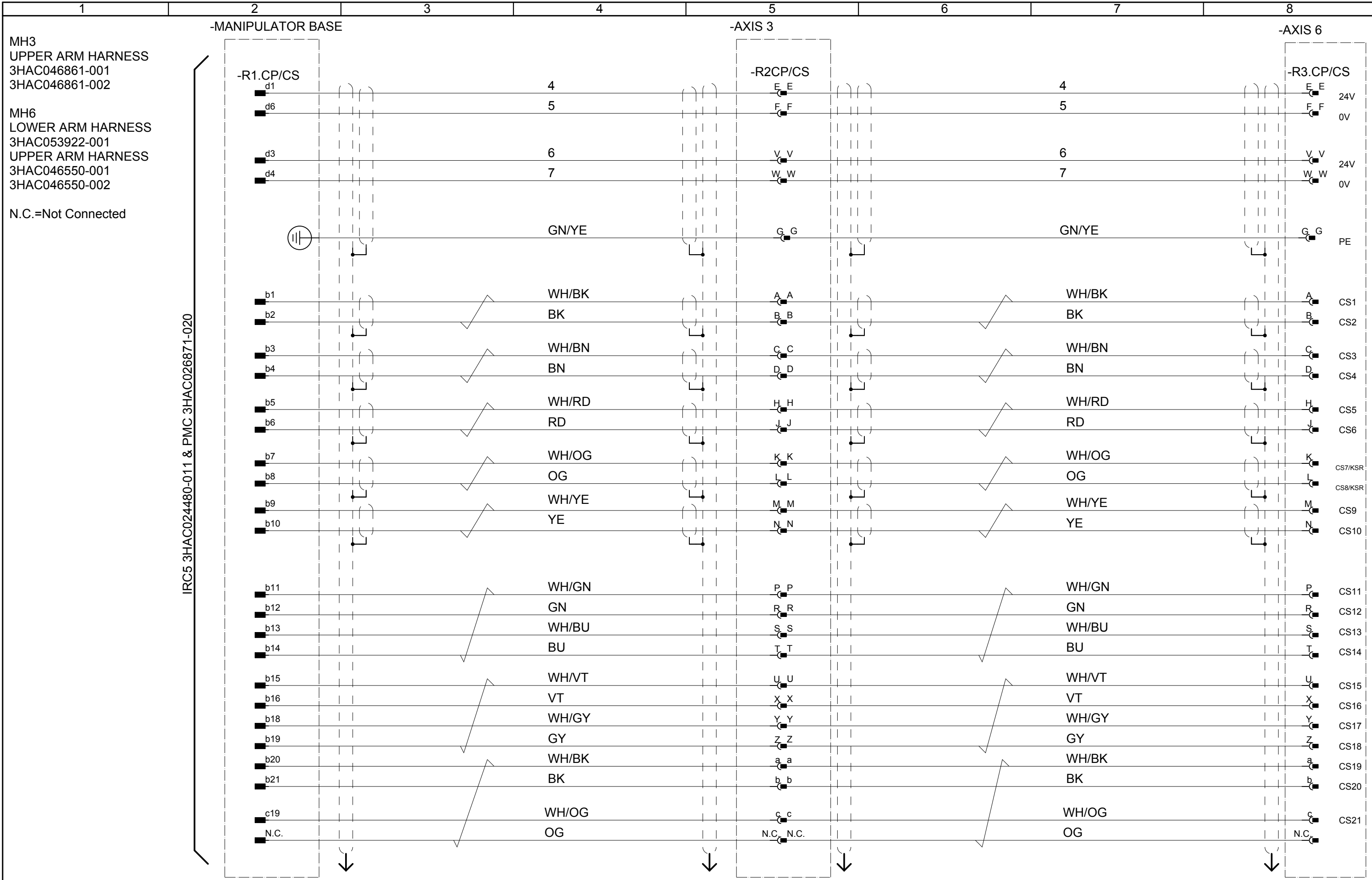
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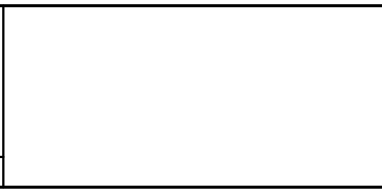
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PARACOM MH3 & 6

TYPE H

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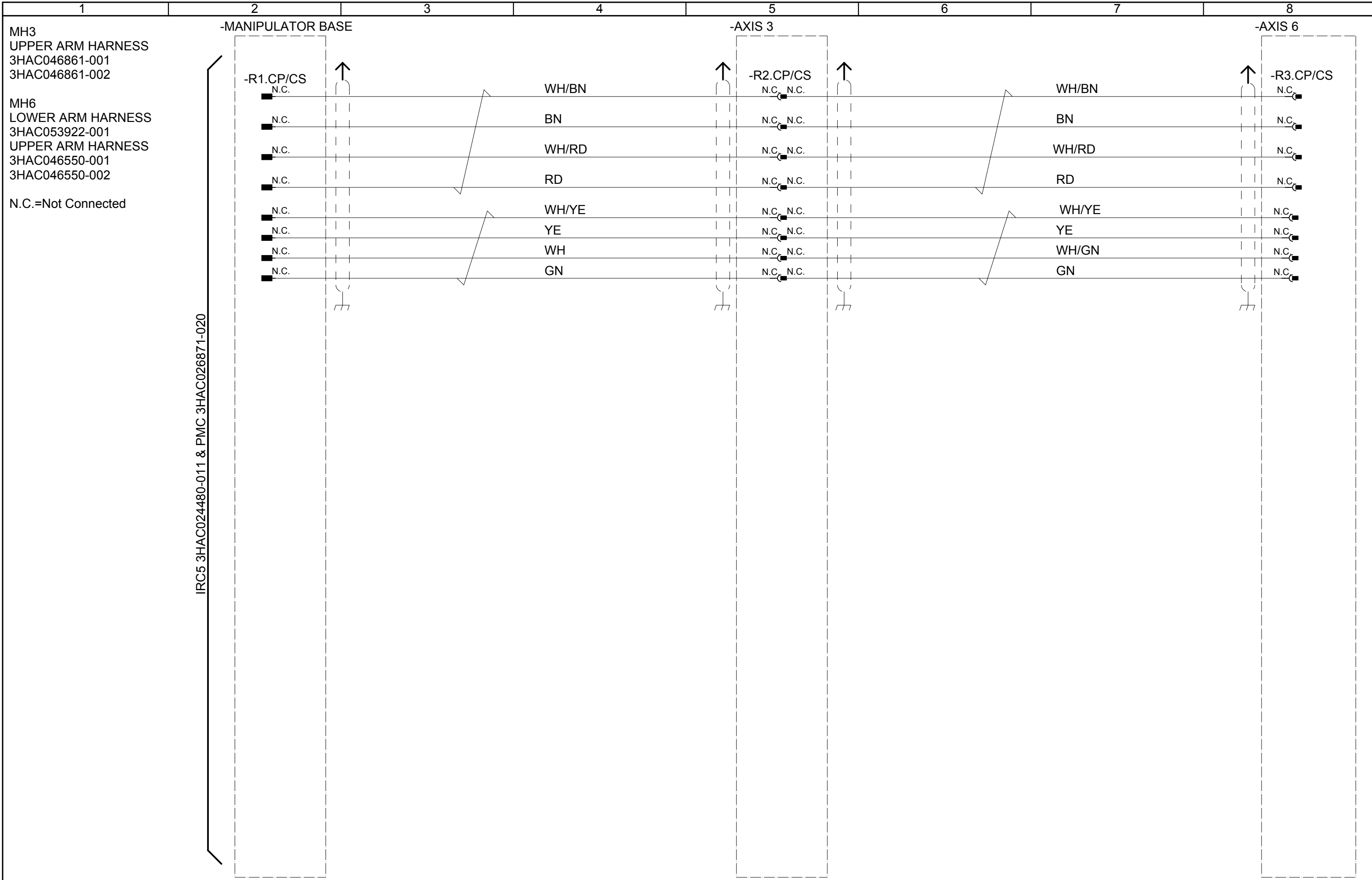
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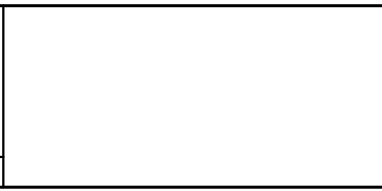
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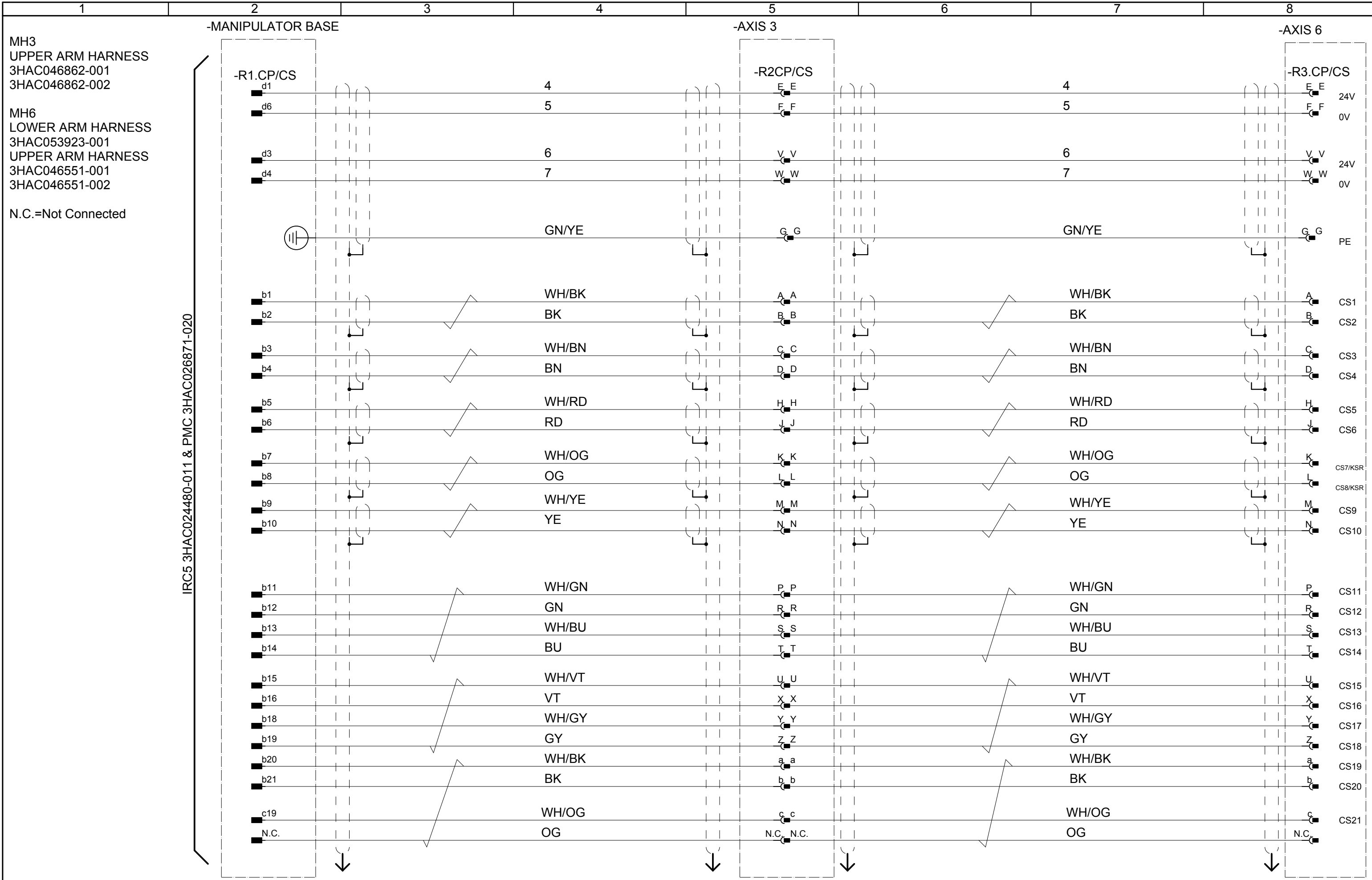
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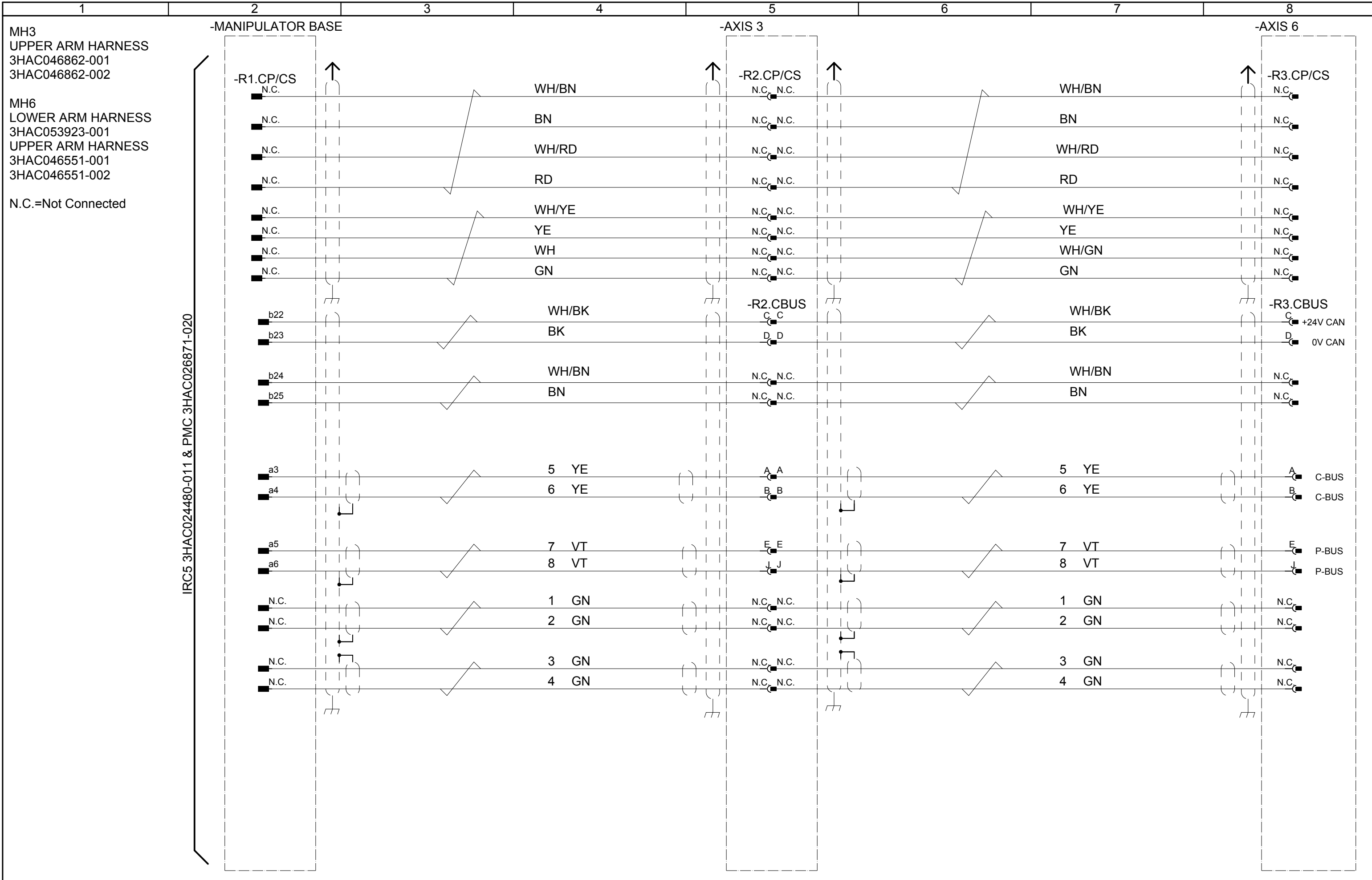
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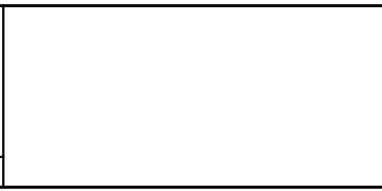
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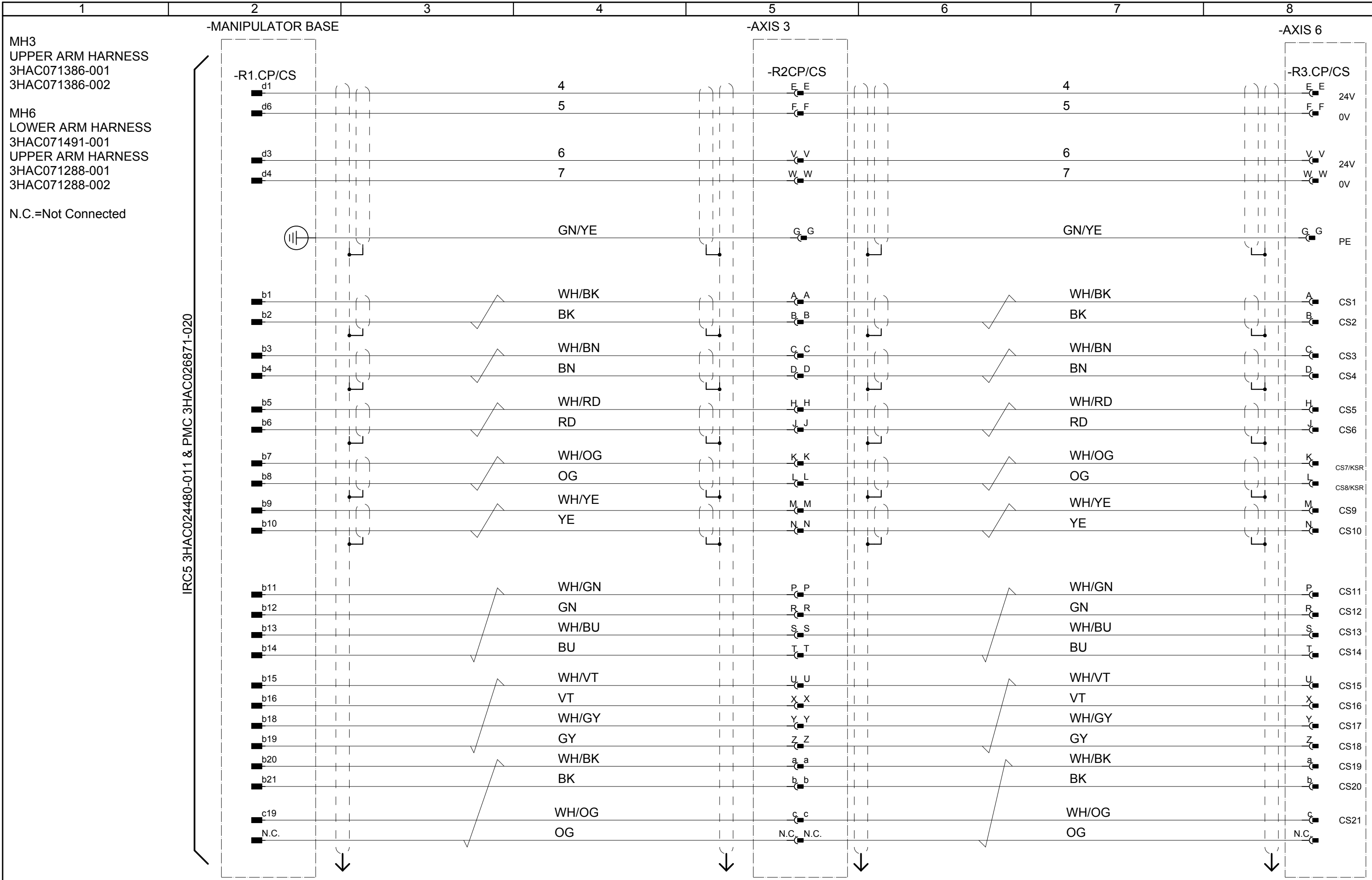
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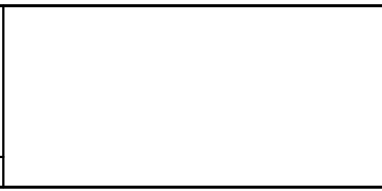
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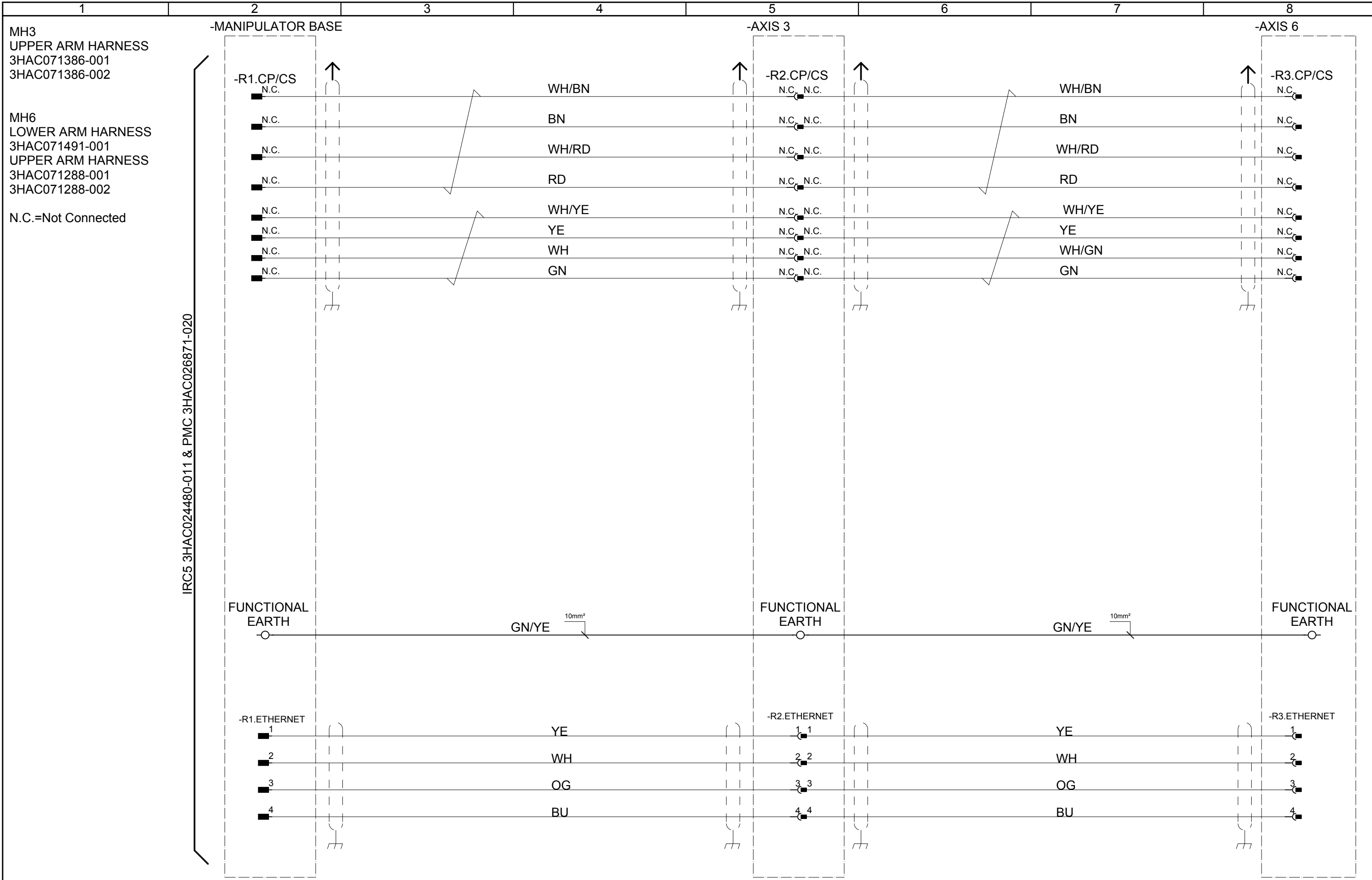
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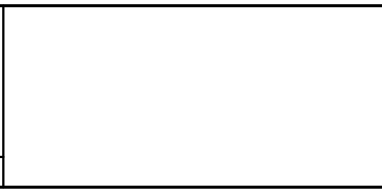
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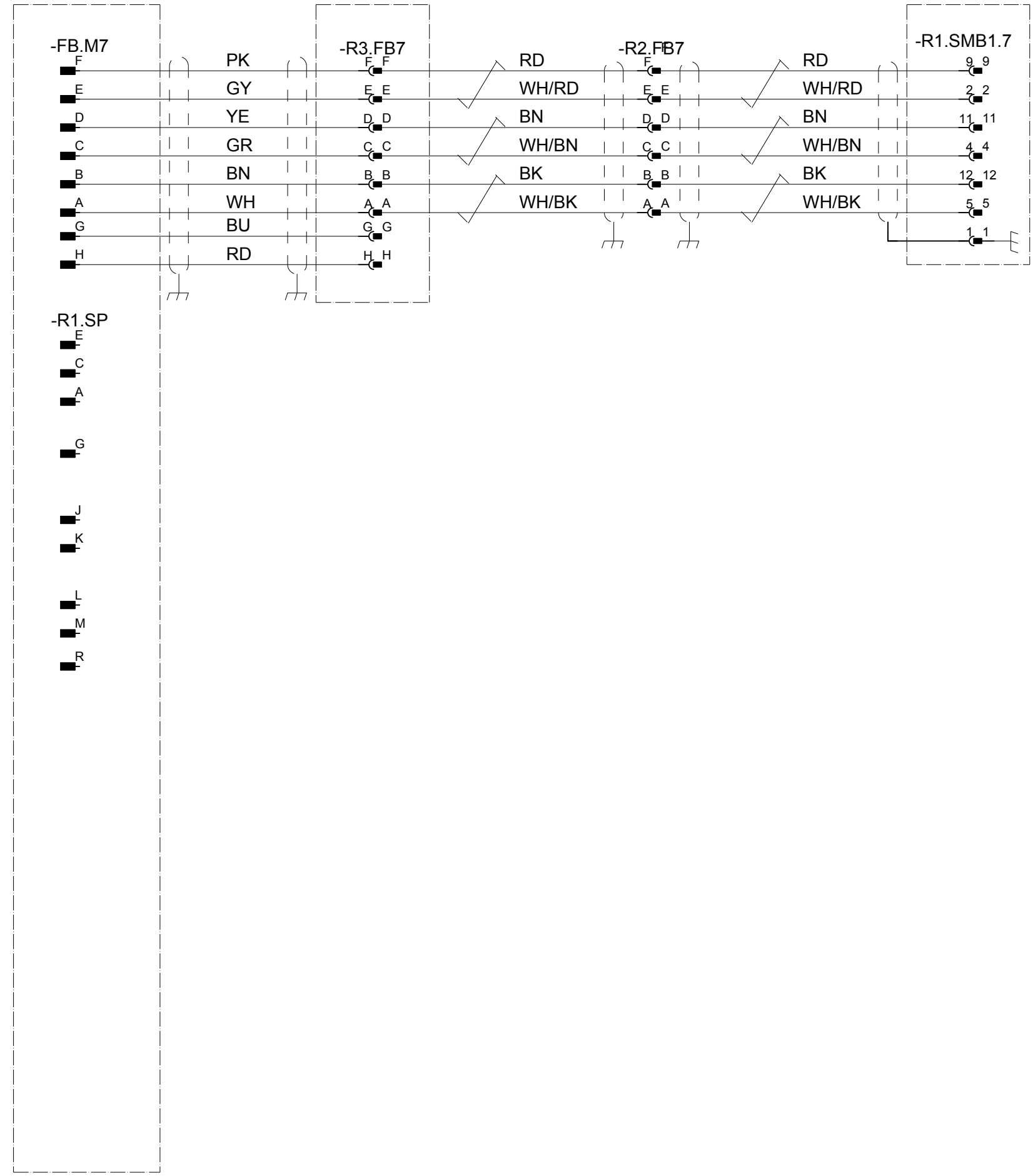
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TYPE HSe
 RESOLVER SIGNALS
 VALID FOR
 FLOOR HARNESS
 3HXD1250-70
 LOWER ARM HARNESS
 3HAC023278-001

-SERVO PEDESTAL GUN
 (AXIS 7)

-MANIPULATOR BASE

-SMB



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PEDESTAL GUN

TYPE HS, HSe

Status: 2019-08-14

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Document no.

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