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ABB Automation Technologies AB
Robotics
SE-721 68 Västerås
Sweden

Latest revision:
ECO 74237, WI 93585
New drawing



Lab/Office:
DMRO SE
PRIM

IRB6650S, IRB7600 LeanID

Status: 2015-09-25

Approved

Plant: = SP
Location: +
Sublocation: +

Document no.

3HAC022327-002

Rev. Ind

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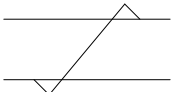
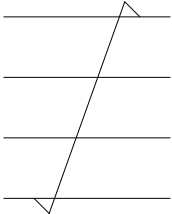
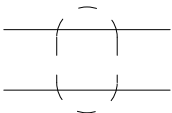
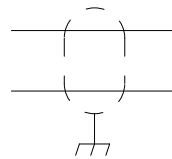
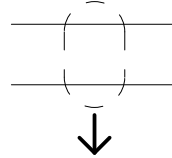
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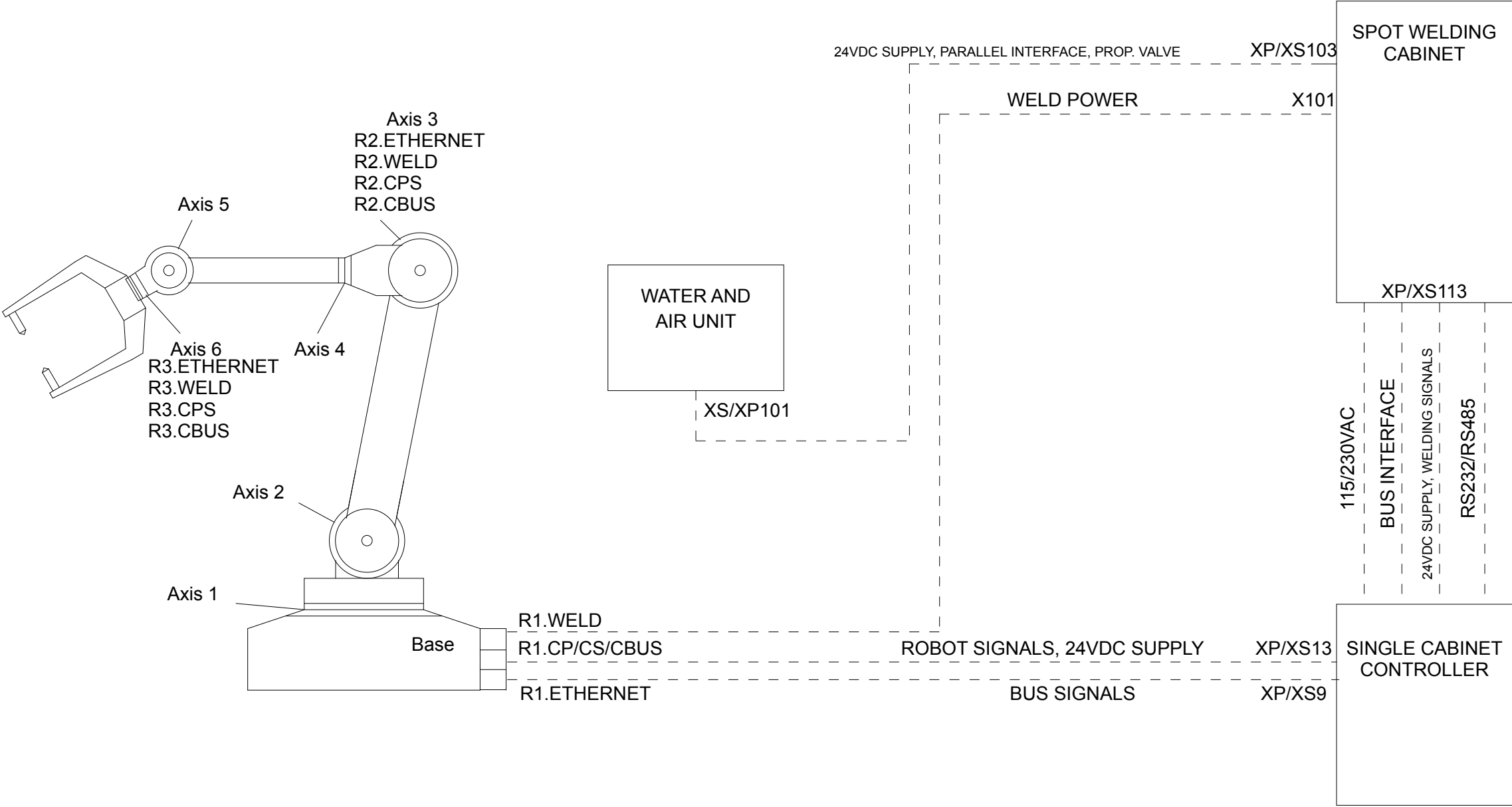
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DP	PG		250	PEDISTAL GUN	APPROVED	2015-09-03	SEEMFJA

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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						

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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



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ECO 74237, WI 93585
New drawing

Prepared by, date: EF 2015-09-03 Approved by, date: JN 2015-09-25



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BLOCK DIAGRAM - TYPE S

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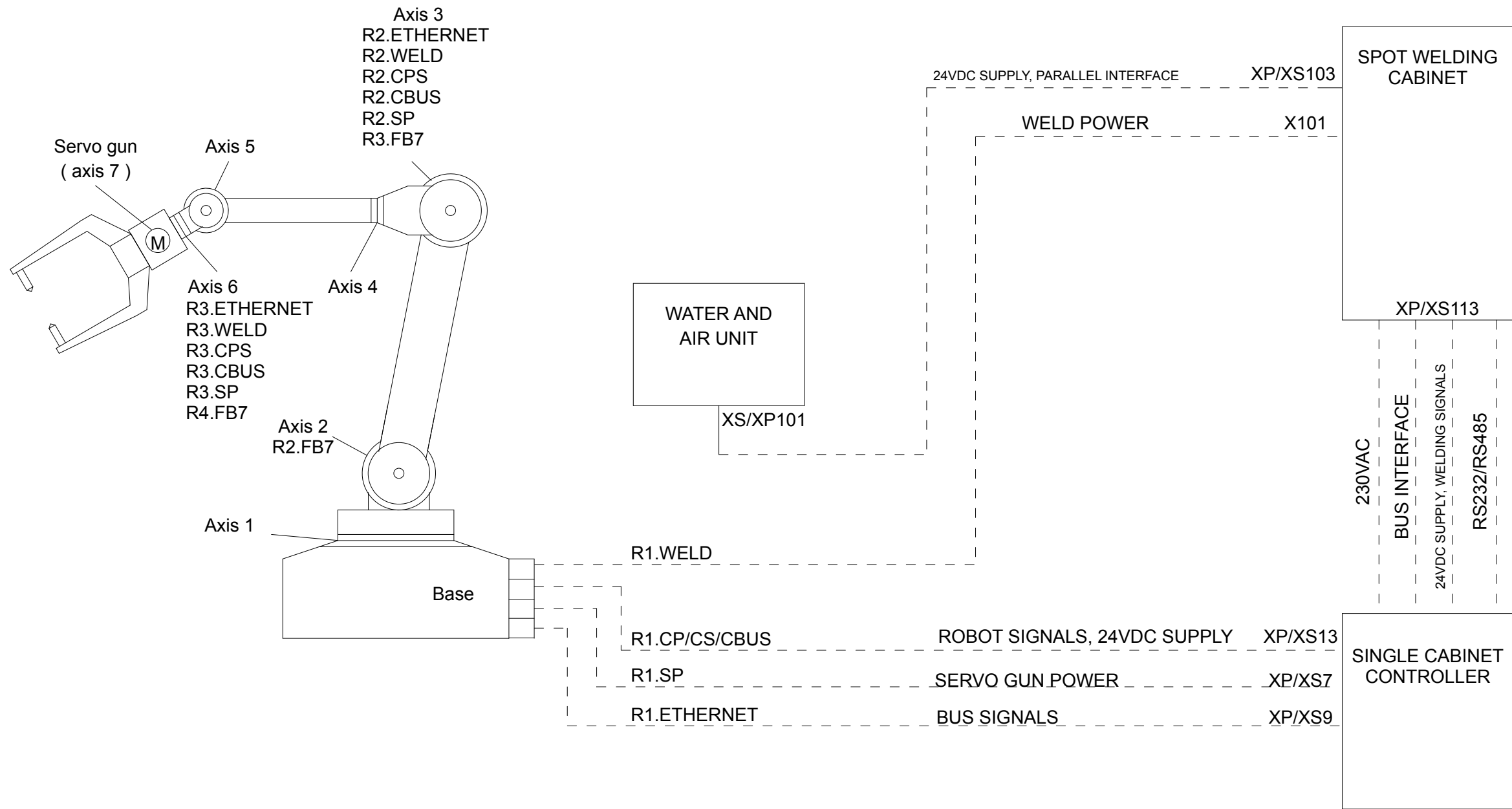
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BLOCK DIAGRAM TYPE Se (servo gun)
IRBDP SW6
Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011
and 3HAC026871-020 for Panel mounted controller.
Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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BLOCK DIAGRAM - TYPE Se

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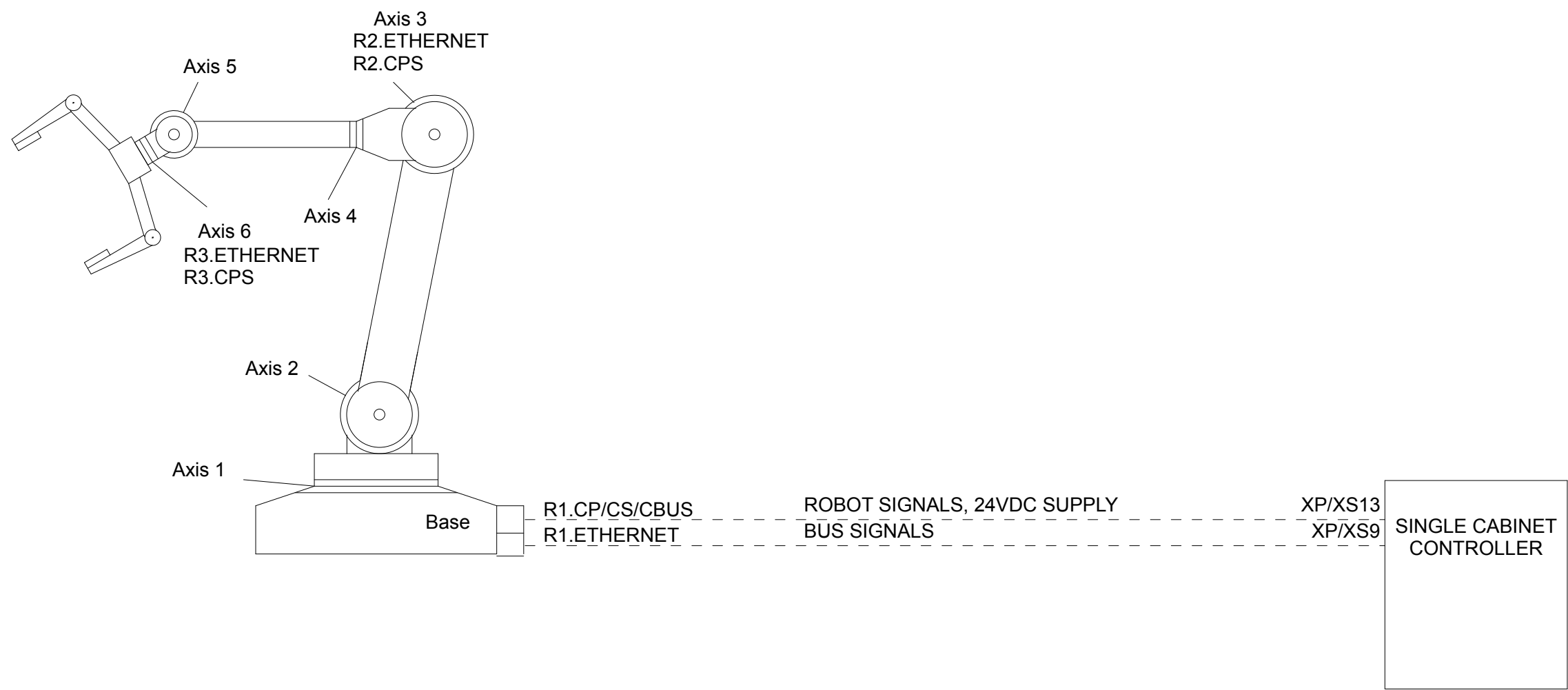
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BLOCK DIAGRAM TYPE H
IRBDP SW6
Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011
and 3HAC026871-020 for Panel mounted controller.



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BLOCK DIAGRAM - TYPE H

DRESS PACK

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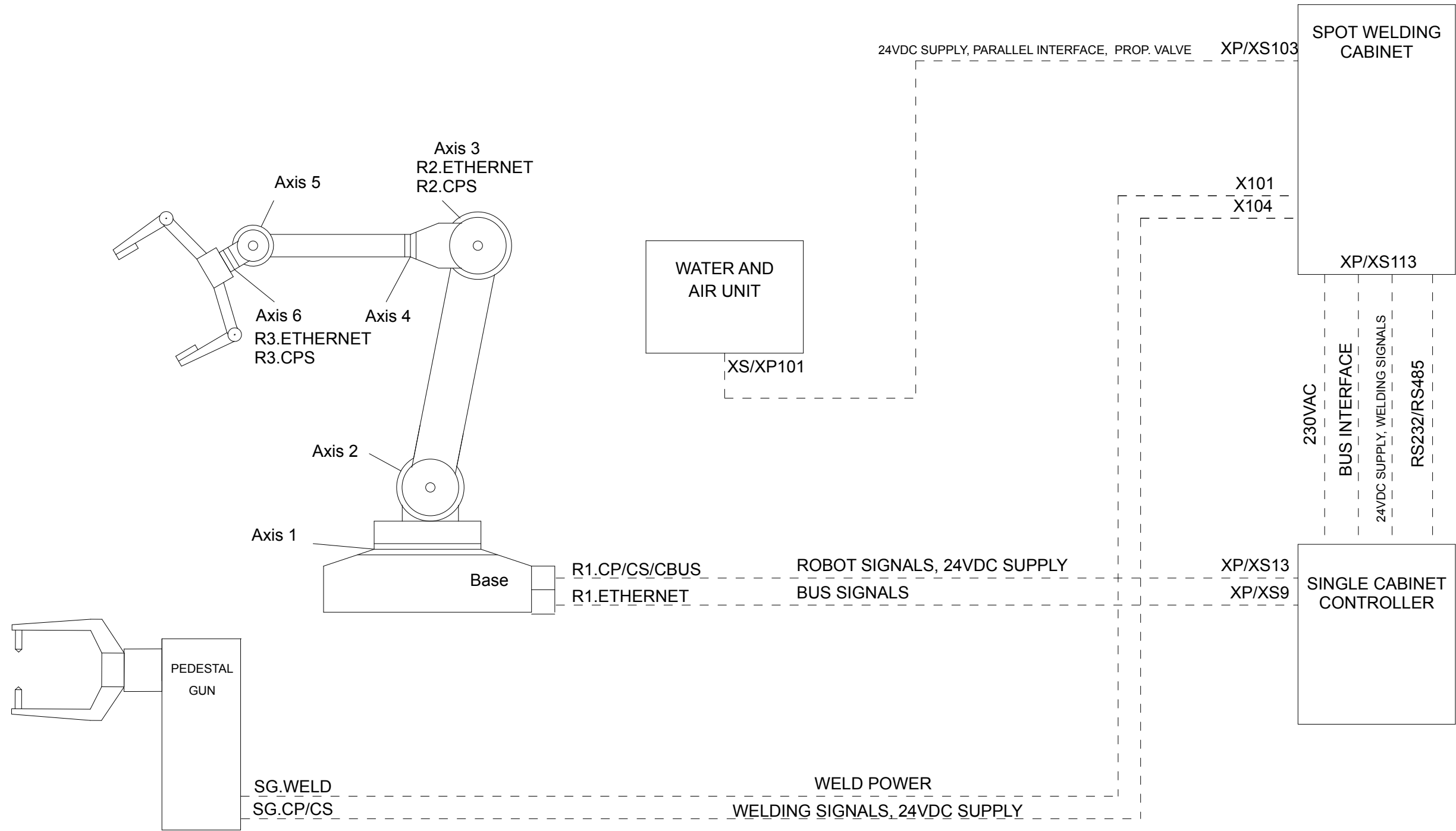
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BLOCK DIAGRAM TYPE HS (material handling and pneumatic gun)
IRBDP SW6
Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011
and 3HAC026871-020 for Panel mounted controller.
Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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BLOCK DIAGRAM - TYPE HS

DRESS PACK

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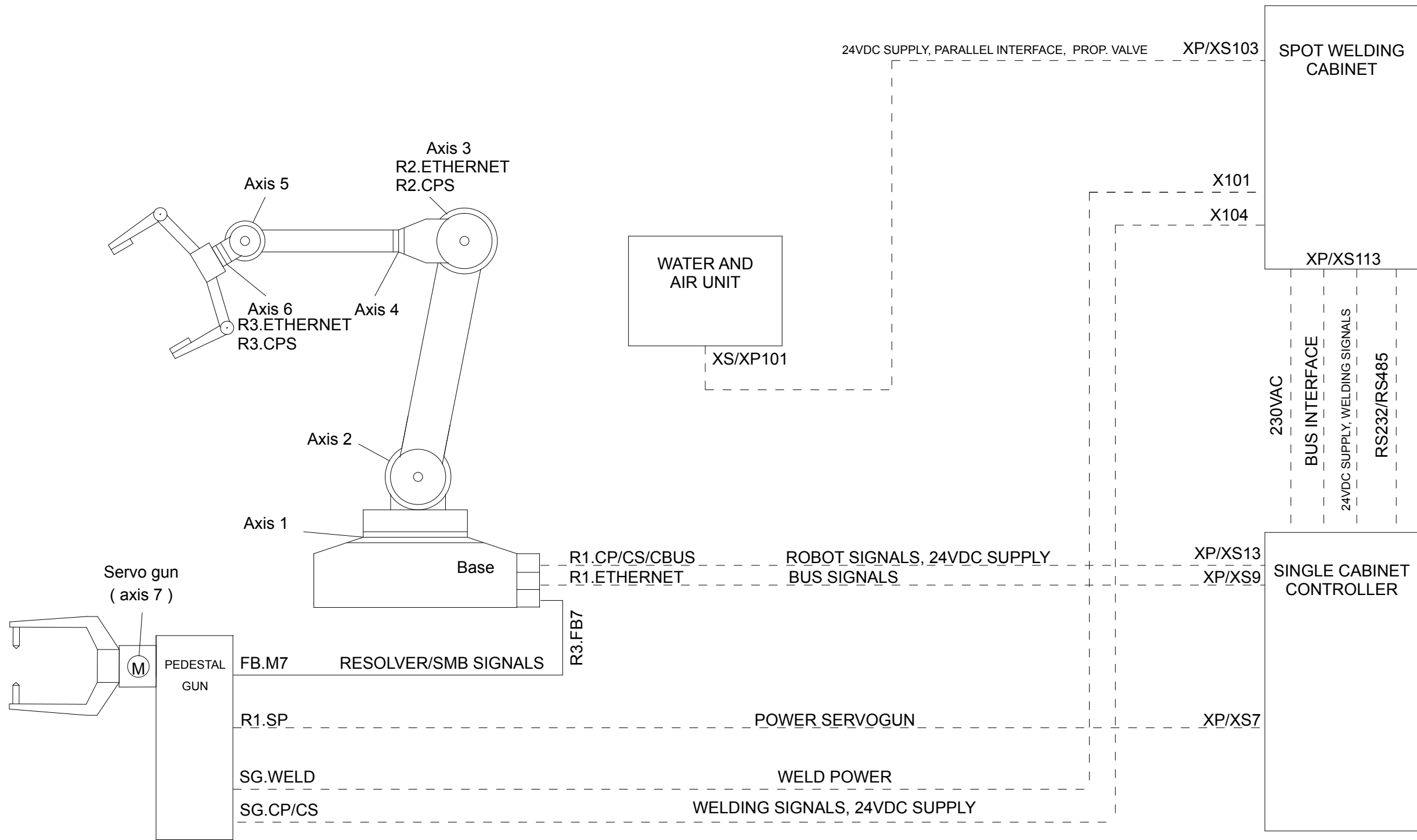
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BLOCK DIAGRAM TYPE HSe (material handling and servo gun)
IRBDP SW6
Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011
and 3HAC026871-020 for Panel mounted controller.
Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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BLOCK DIAGRAM - TYPE HSe

DRESS PACK

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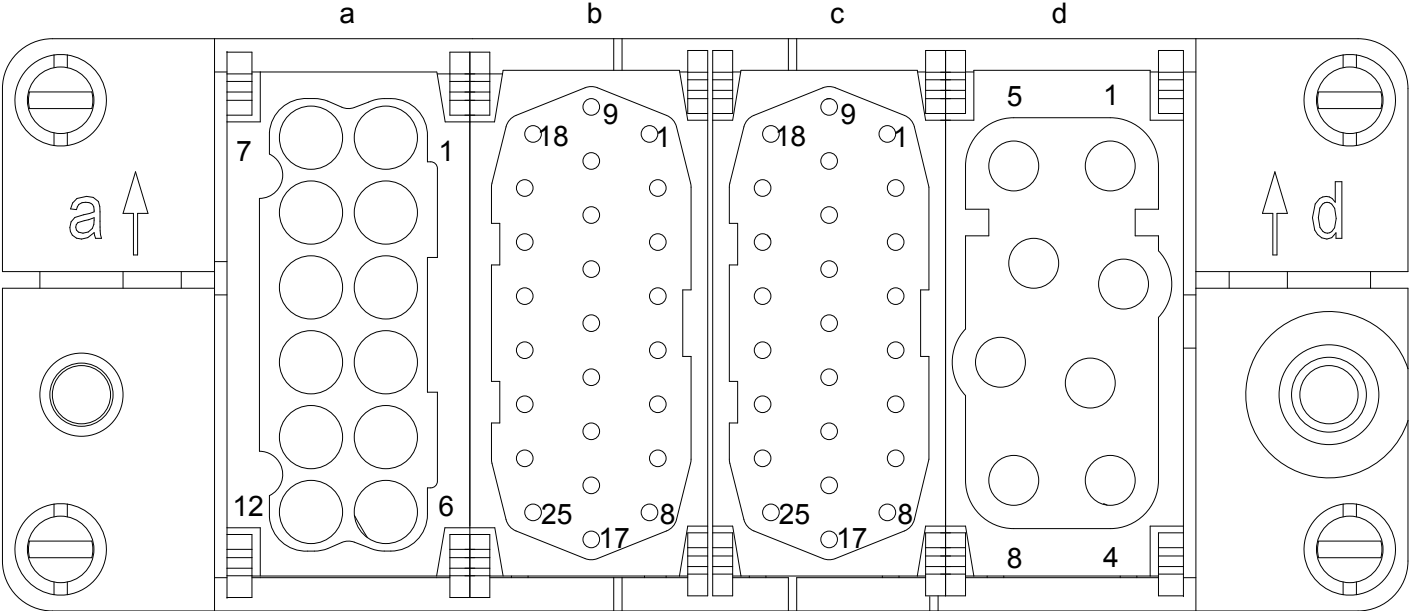
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BLOCK DIAGRAM TYPE S/H

Male (R1.CP/CS)



HARTING HAN MODULE/

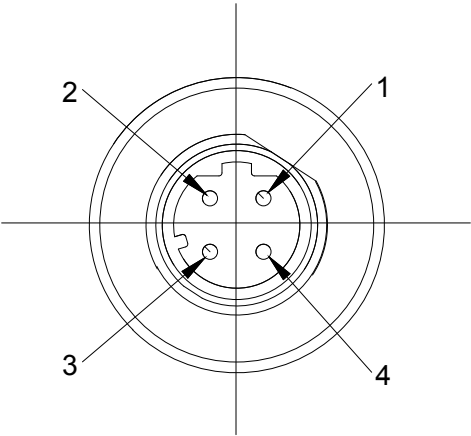
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HD

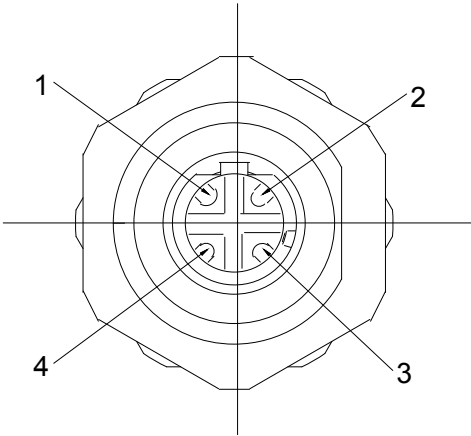
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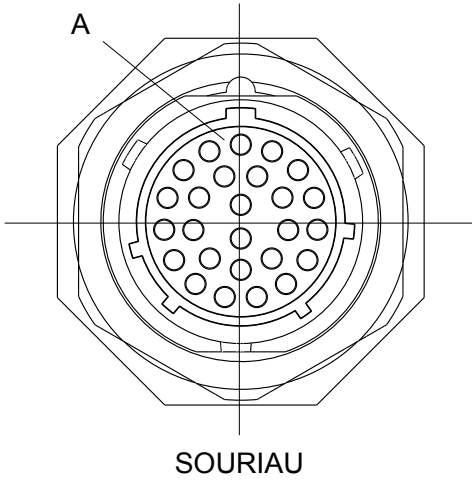
Male 4p
R2.ETHERNET
R3.ETHERNET



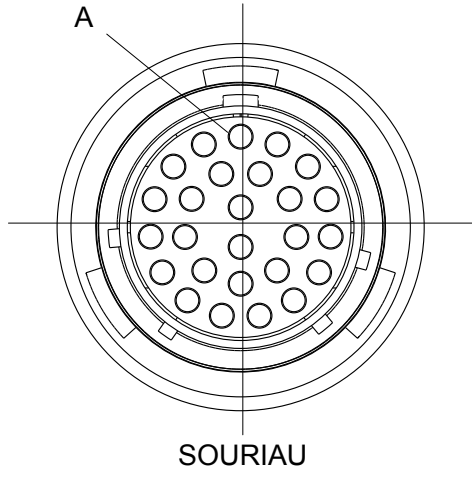
Female 4p
R1.ETHERNET
R2.ETHERNET



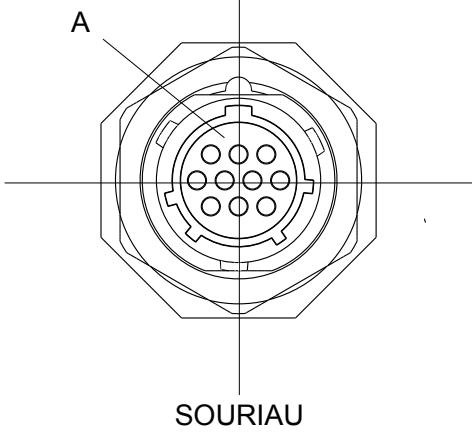
Female 26p (R2.CP/CS)



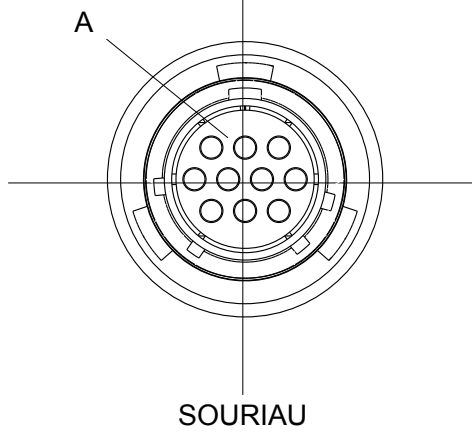
Female 26p (R3.CPS)
Male 26p (R2.CPS)



Female 10p (R2.CBUS)



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



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CONNECTOR LAYOUT

DRESS PACK

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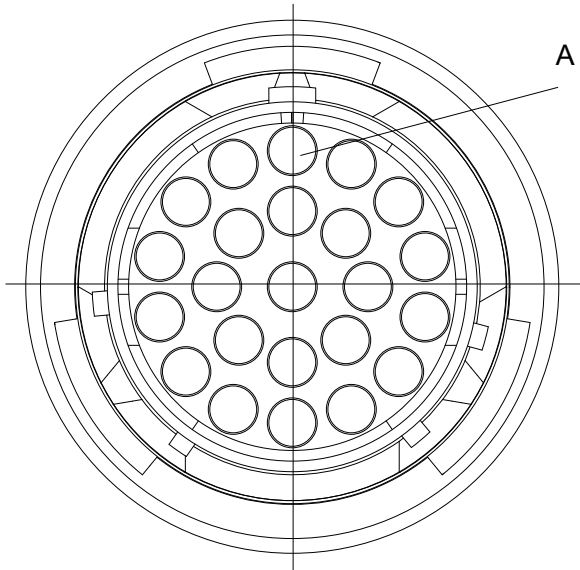
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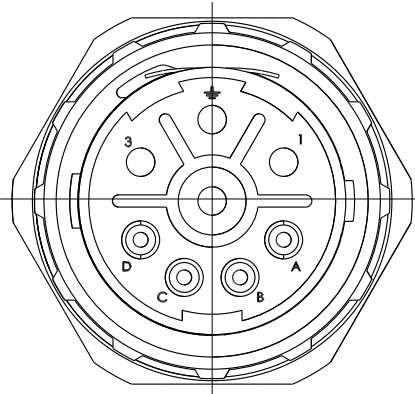
BLOCK DIAGRAM TYPE Se

Female 23p (R1.SP)



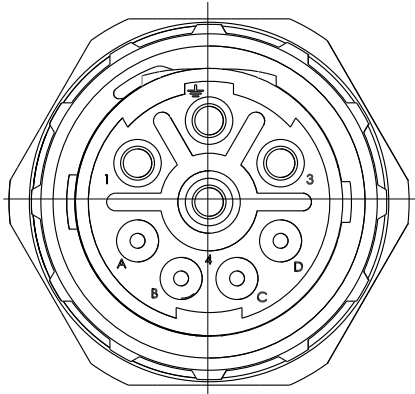
SOURIAU

Male 8p
R2.SP



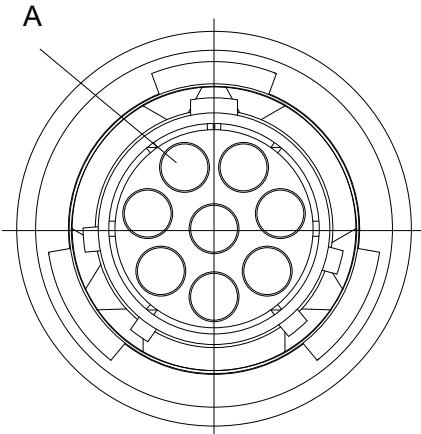
HUMMEL

Female 8p
R2.SP
R3.SP



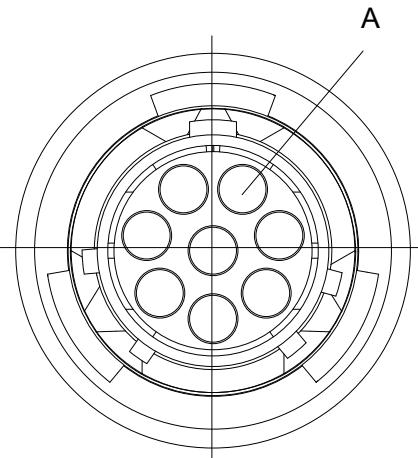
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Female 8p (R2.FB7)



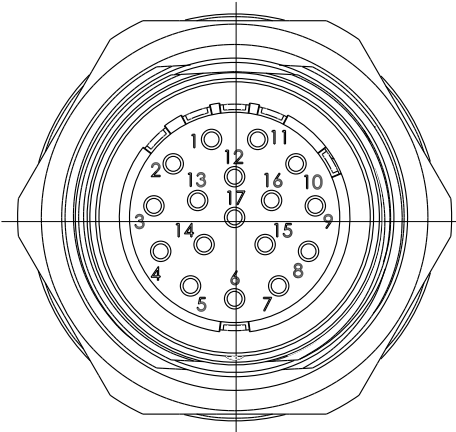
SOURIAU

Male 8p (R2.FB7)



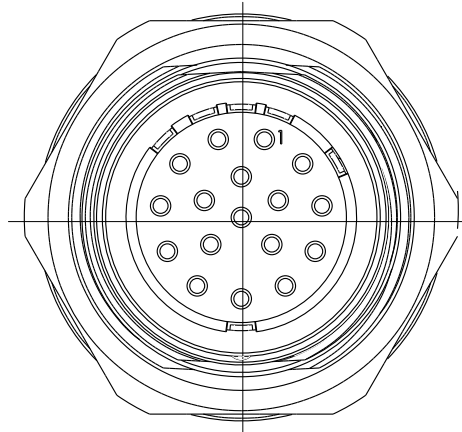
SOURIAU

Male 17p (R3.FB7)



SOURIAU

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



SOURIAU

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CONNECTOR LAYOUT

DRESS PACK

Status: 2015-09-25

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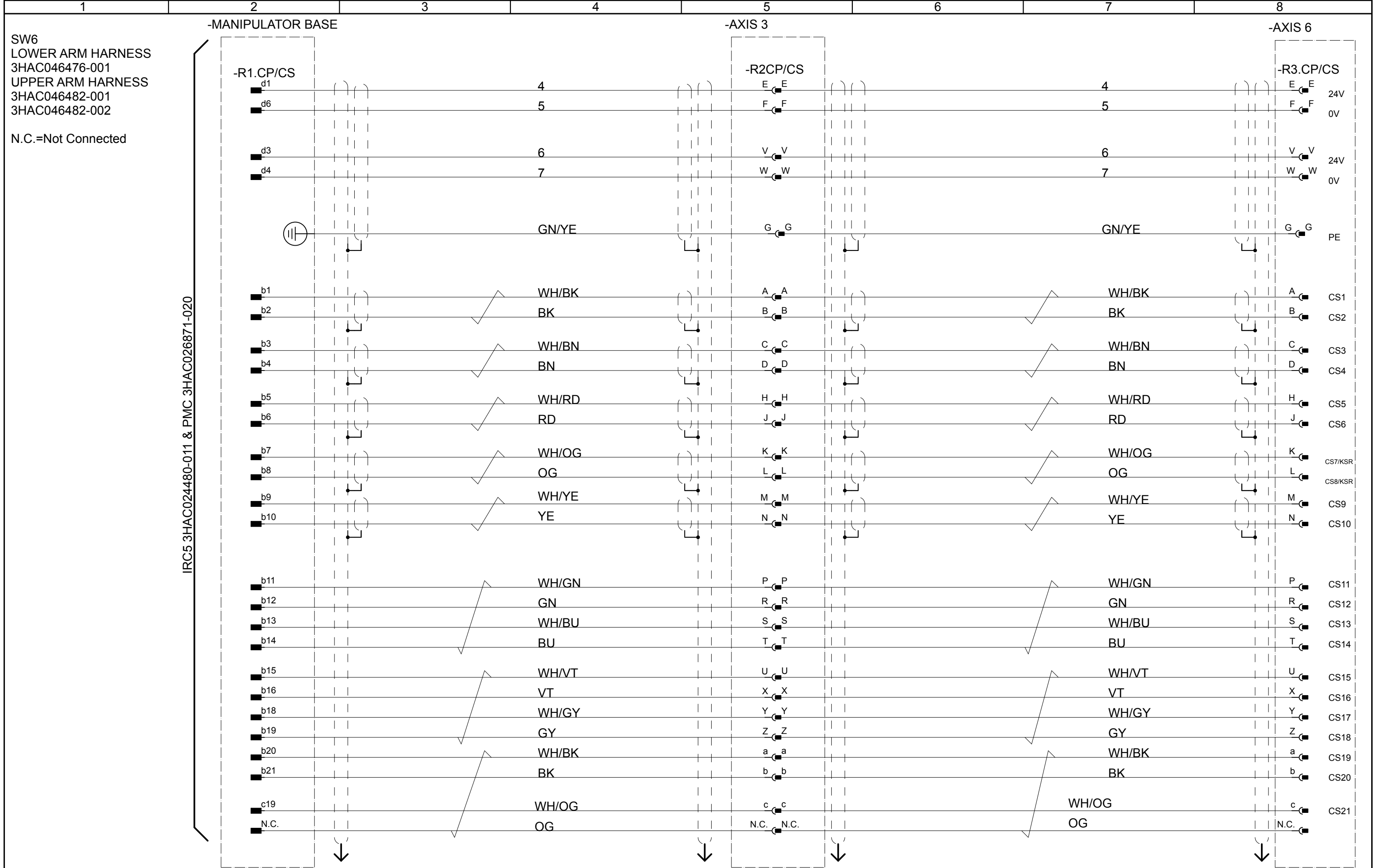
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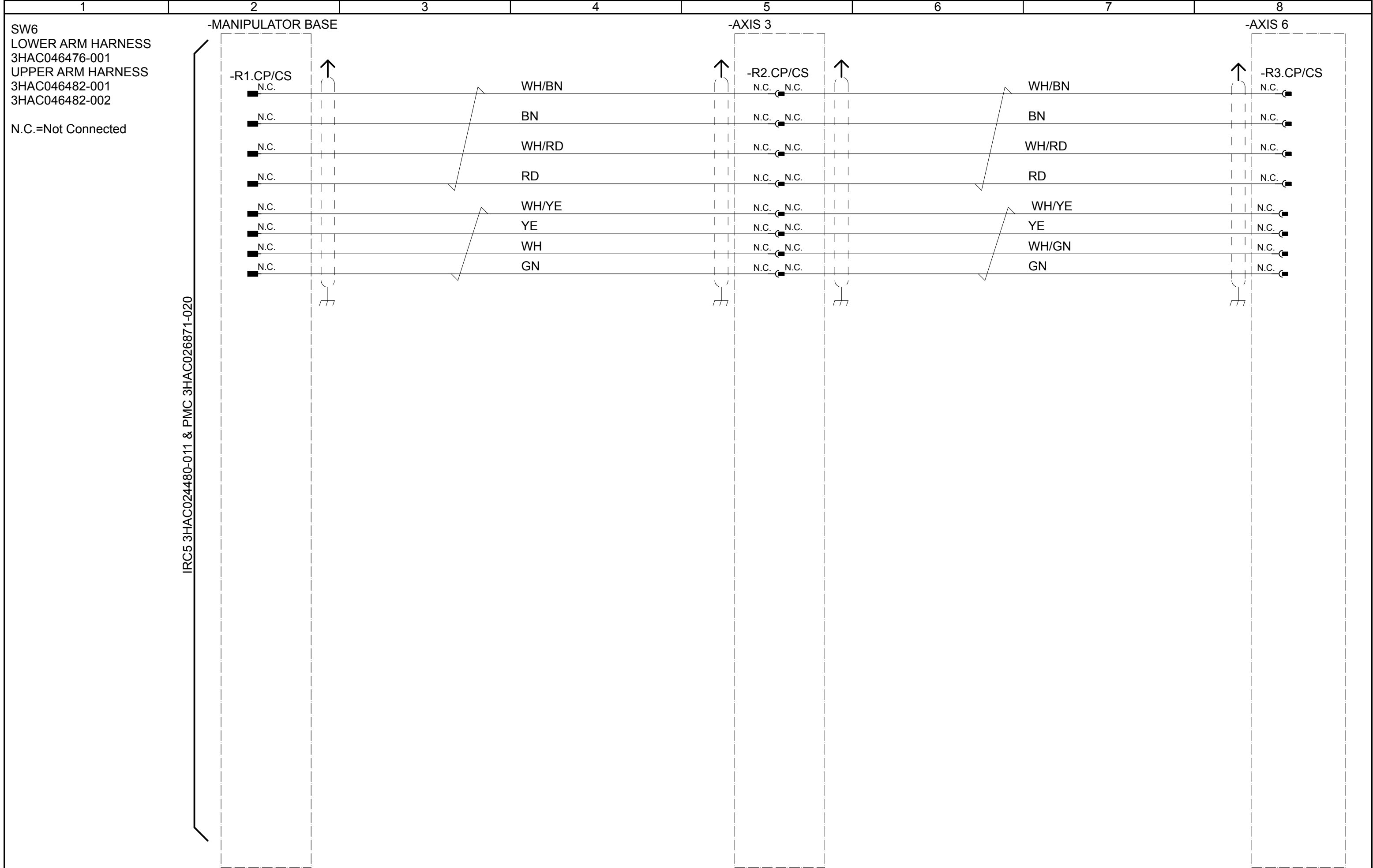
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WH/BN

BN

WH/RD

RD

WH/YE

YE

WH

GN

WH/BN

BN

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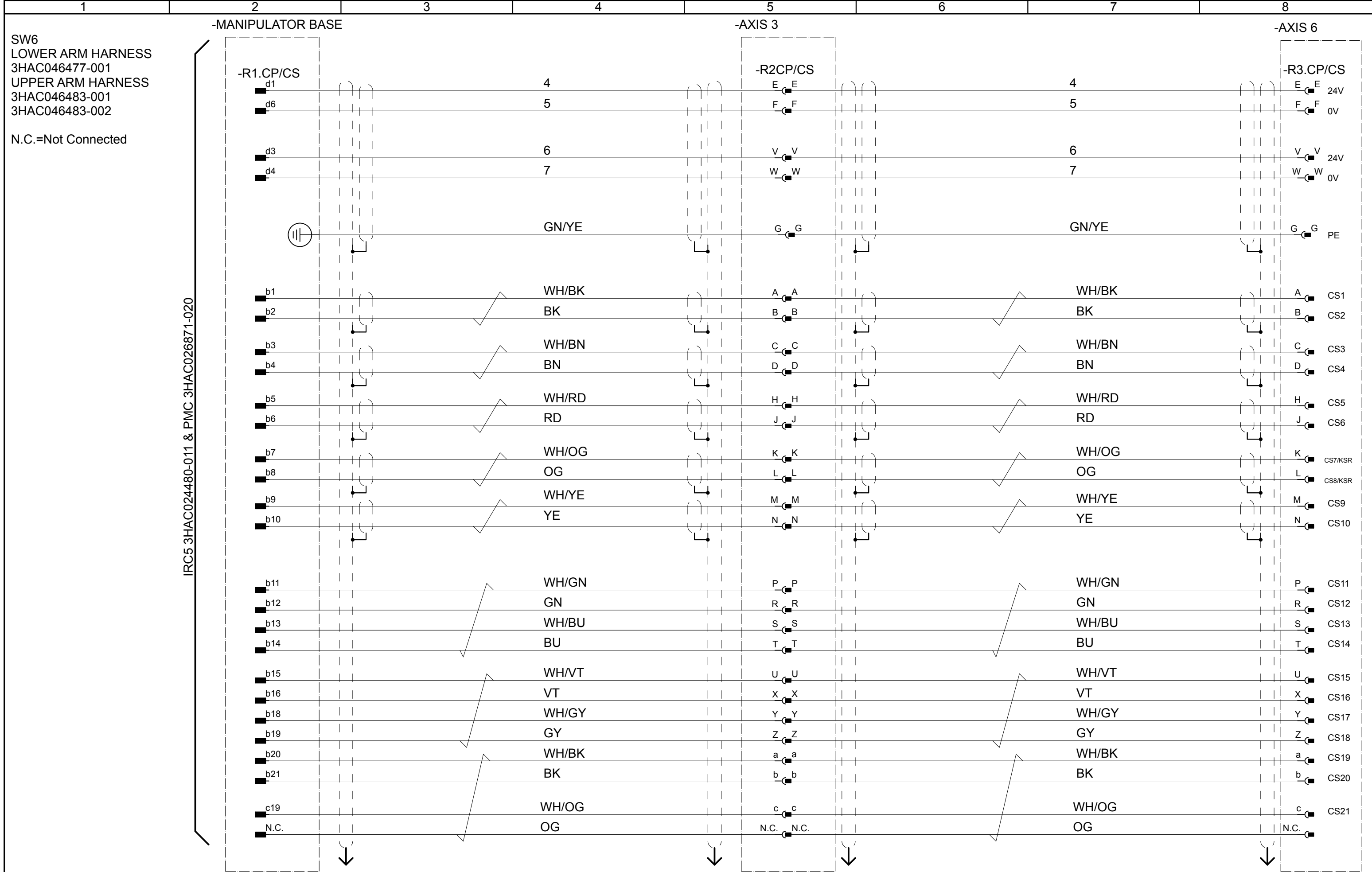
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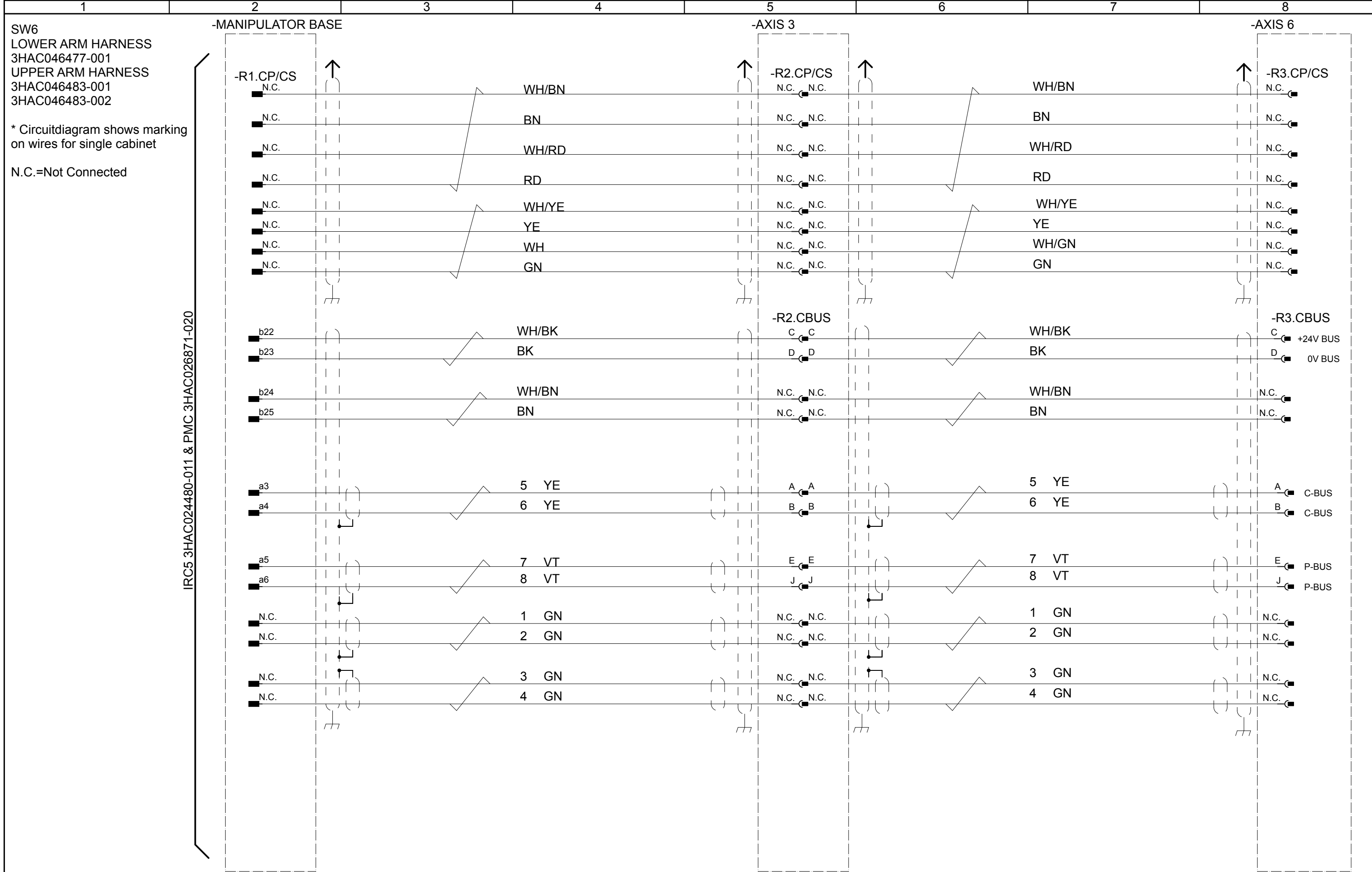
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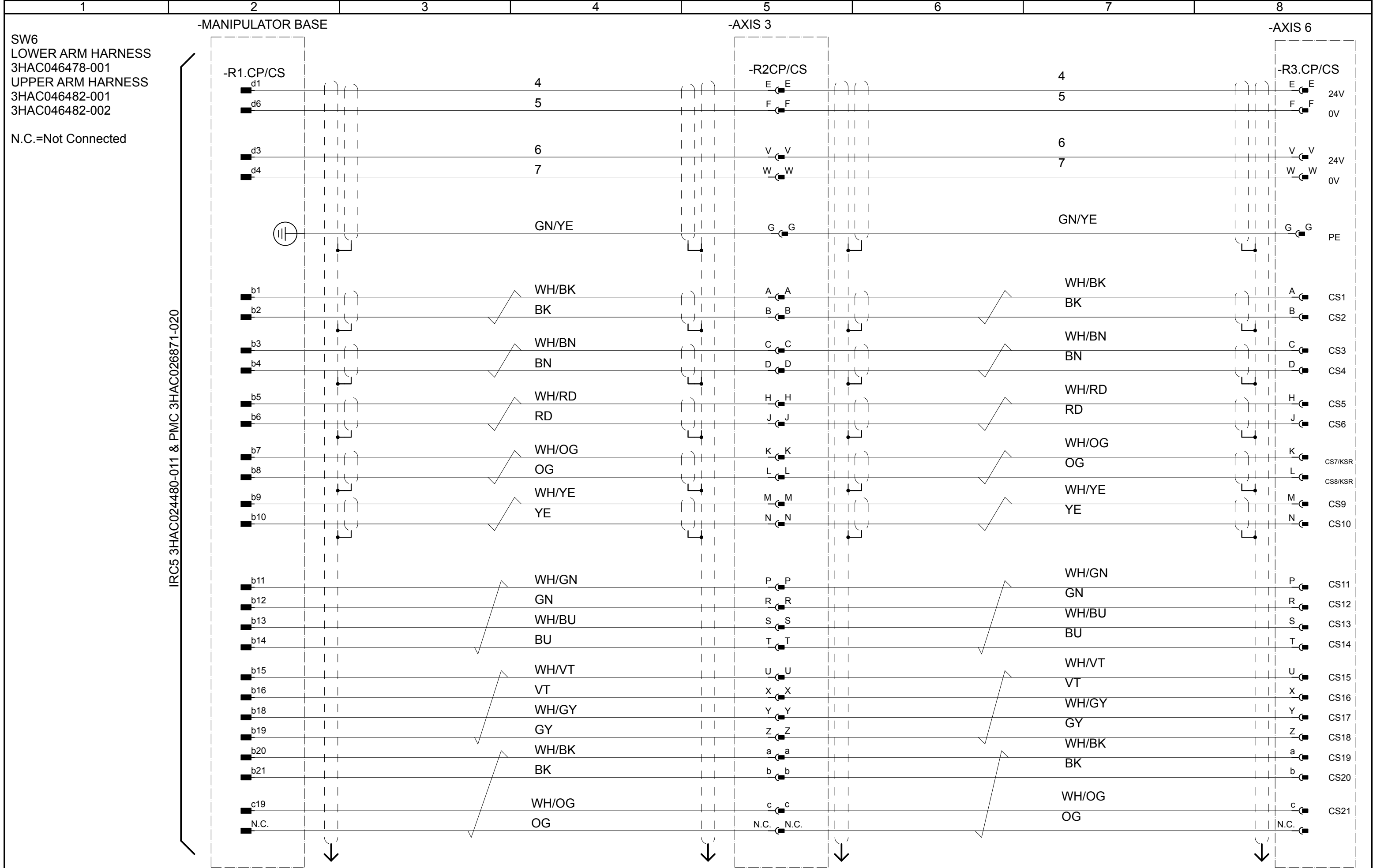
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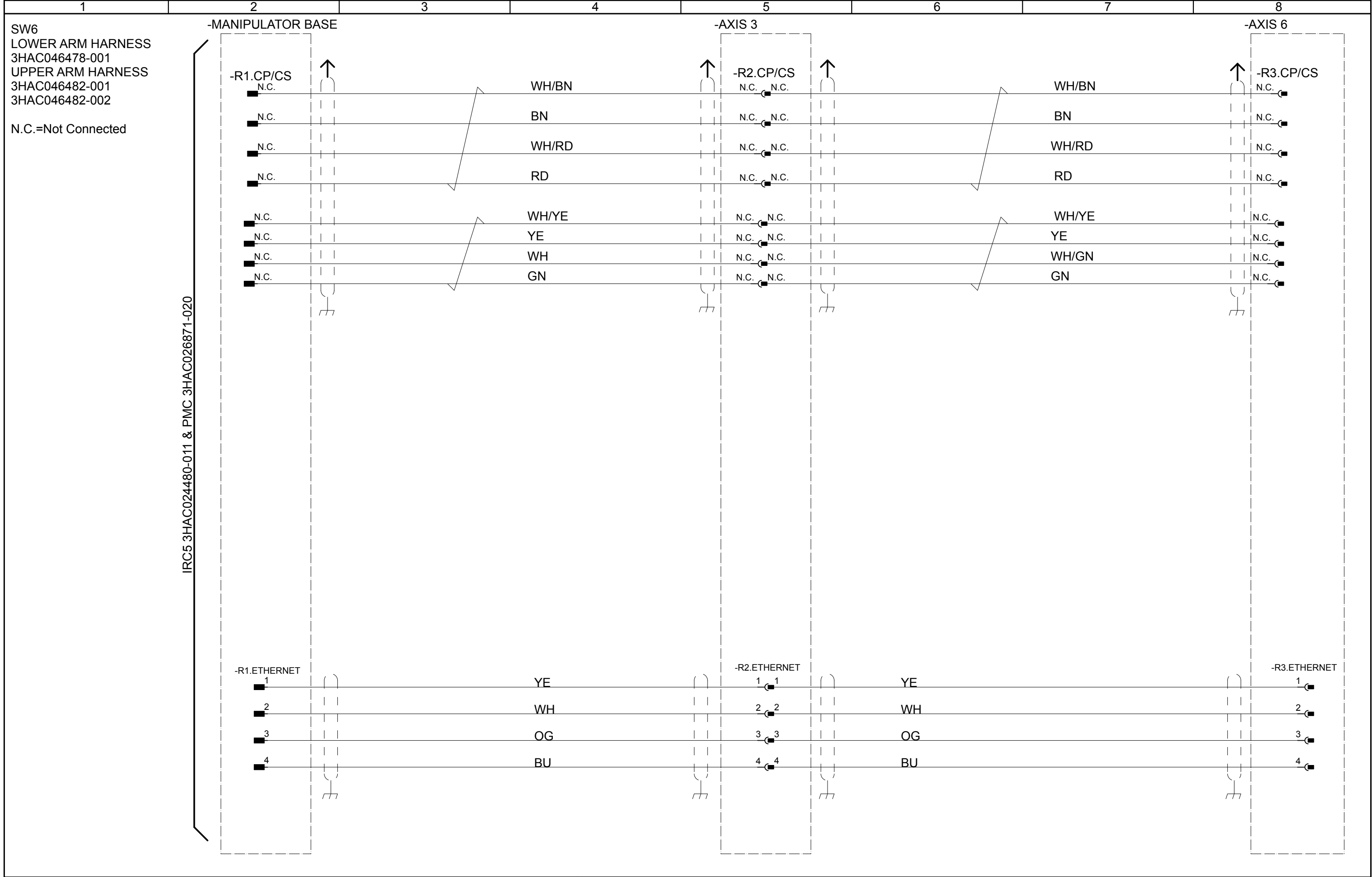
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↑

-R3.CP/CS

N.C.

N.C.

N.C.

N.C.

N.C.

N.C.

N.C.

N.C.

↑

-R3.AXIS 6

-R1.ETHERNET

1

2

3

4

YE

WH

OG

BU

↑

-R2.ETHERNET

1

1

2

2

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WH

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BU

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-R3.ETHERNET

1

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4

YE

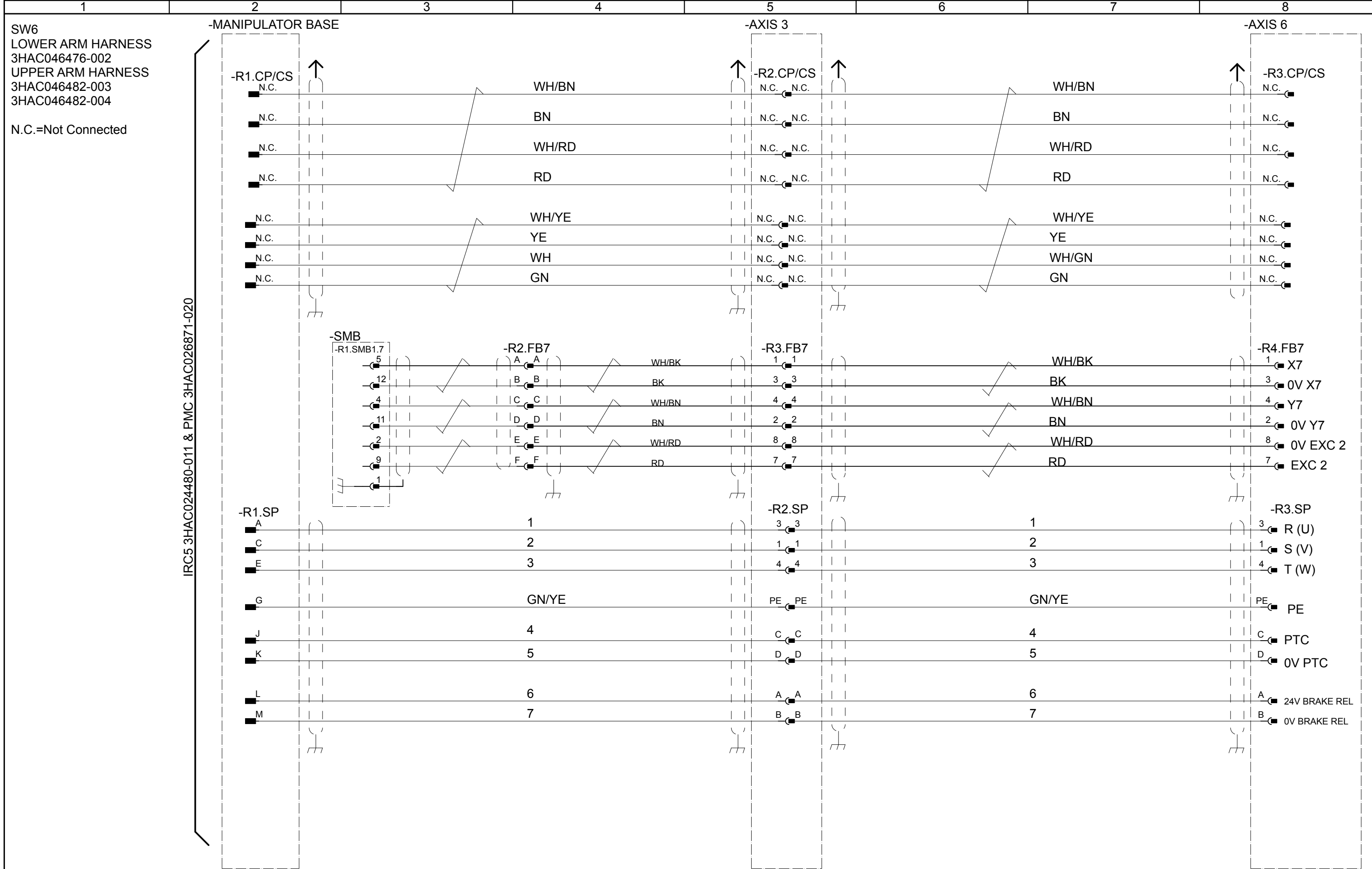
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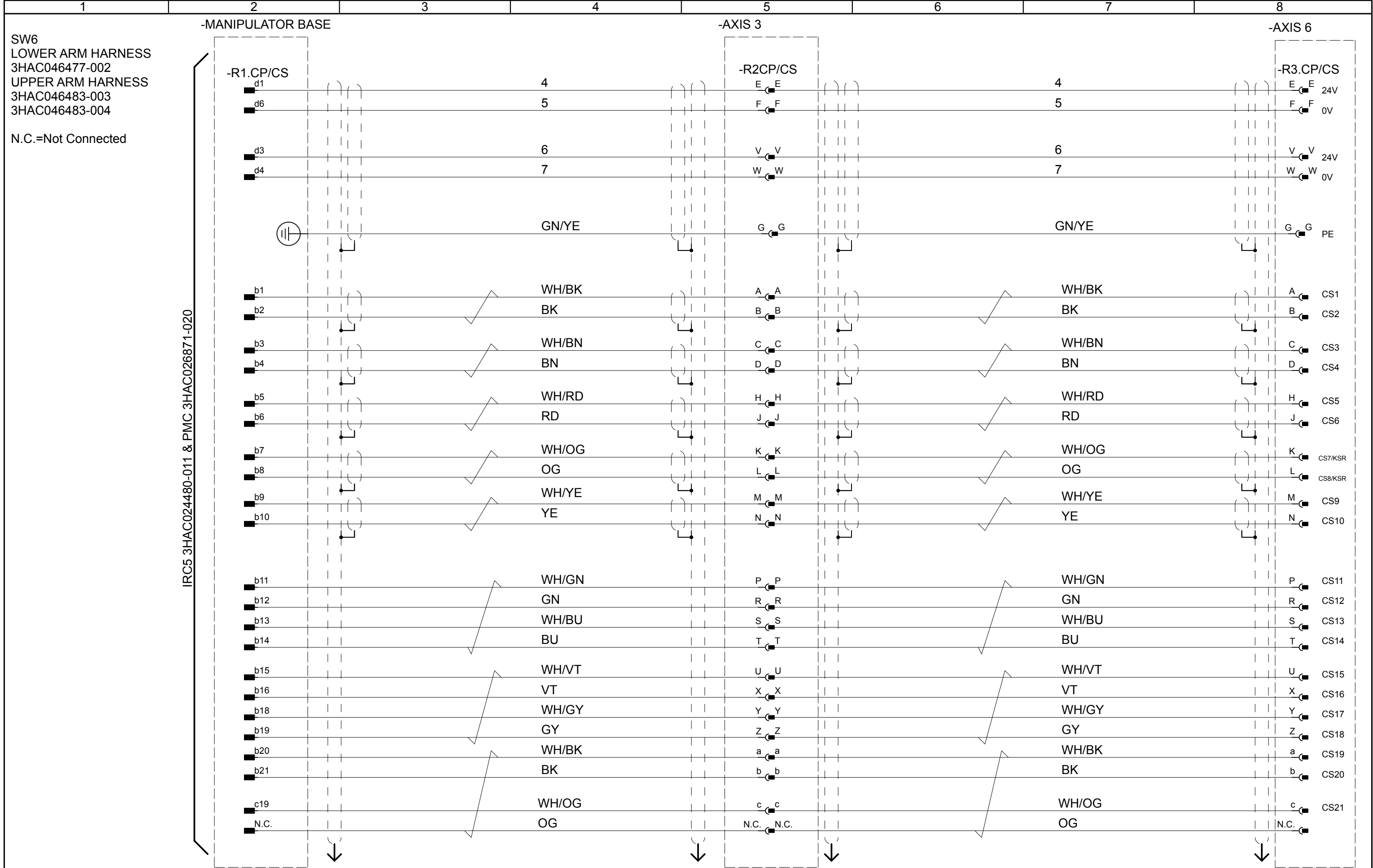
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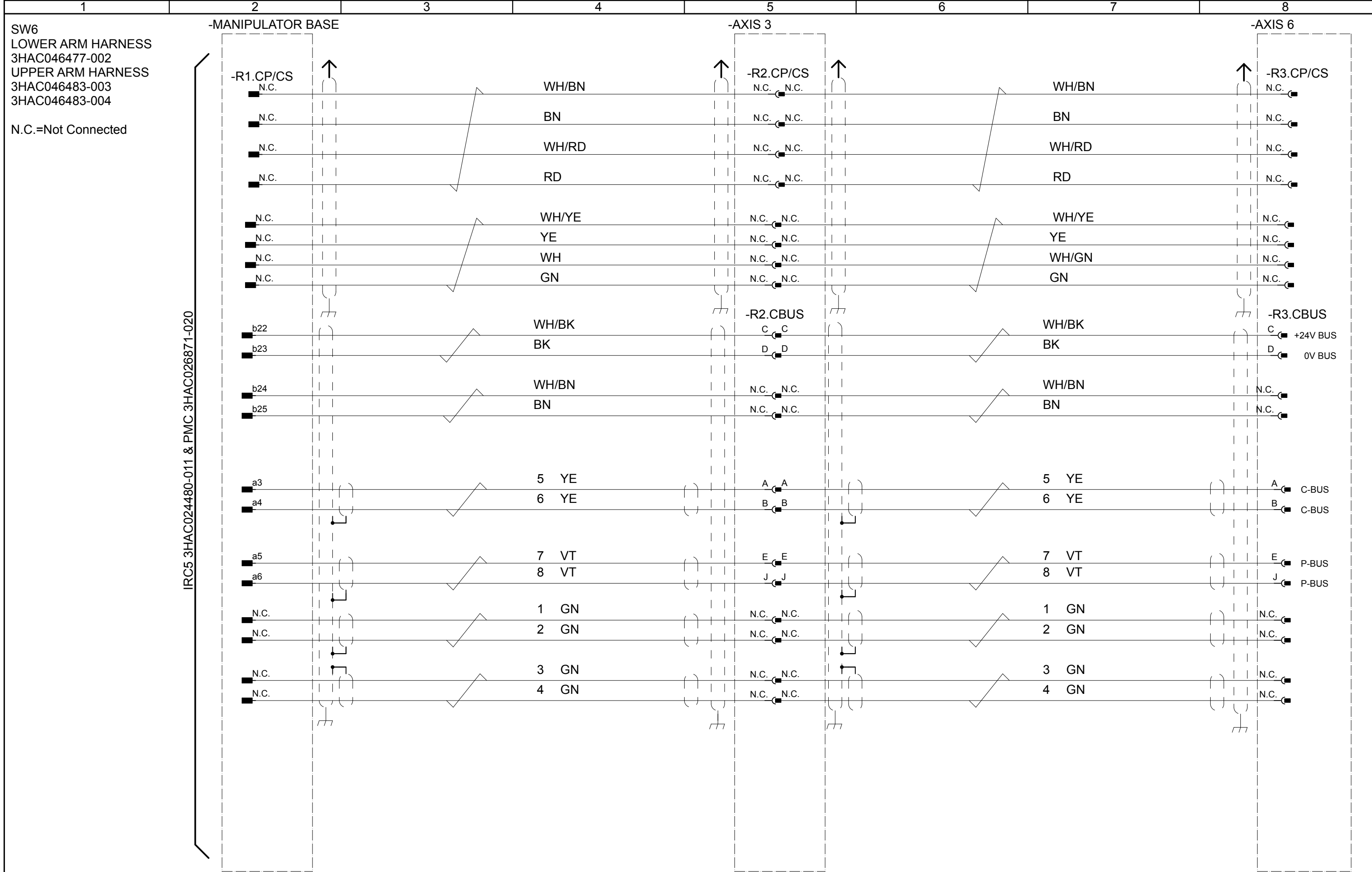
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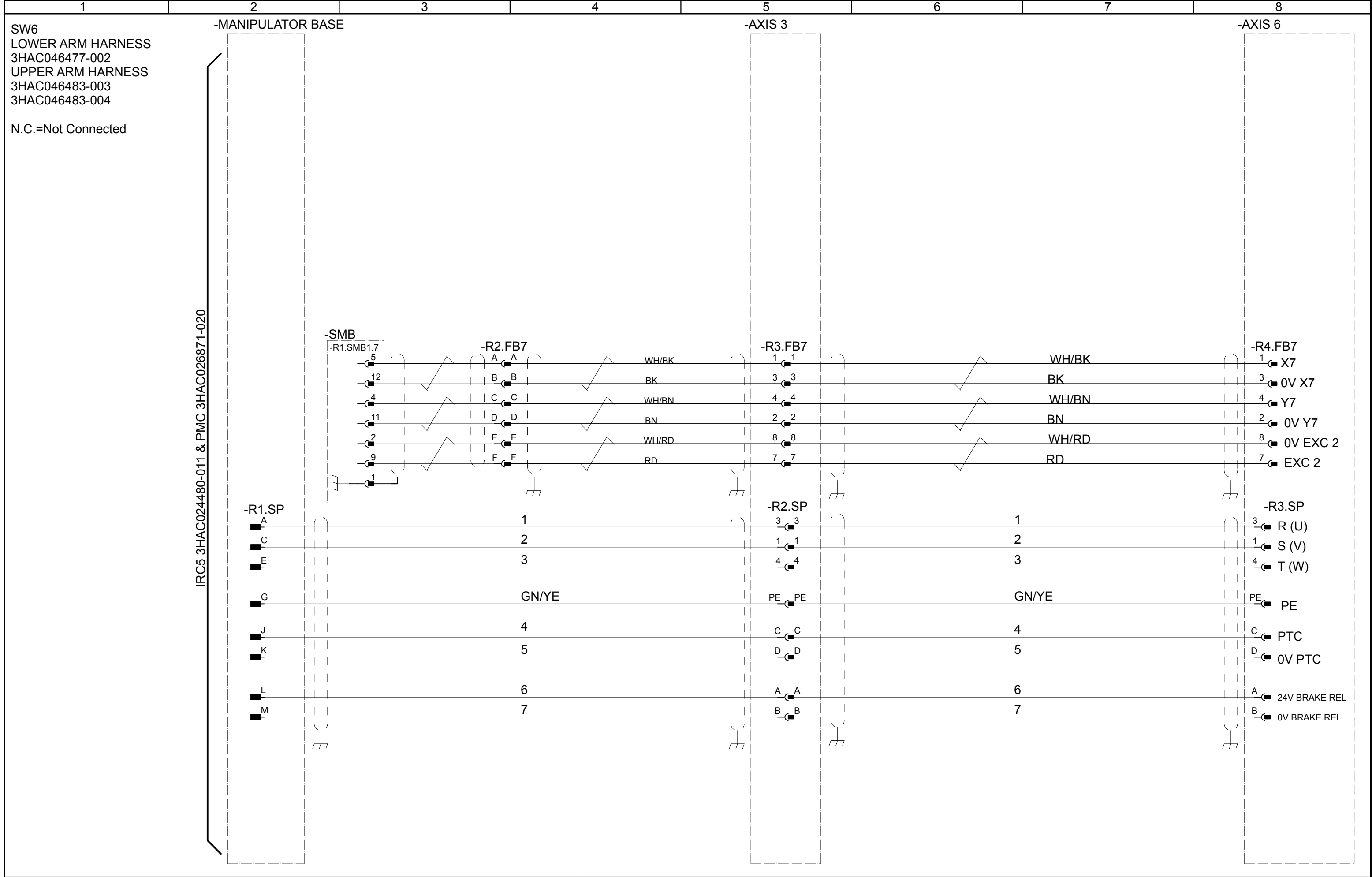
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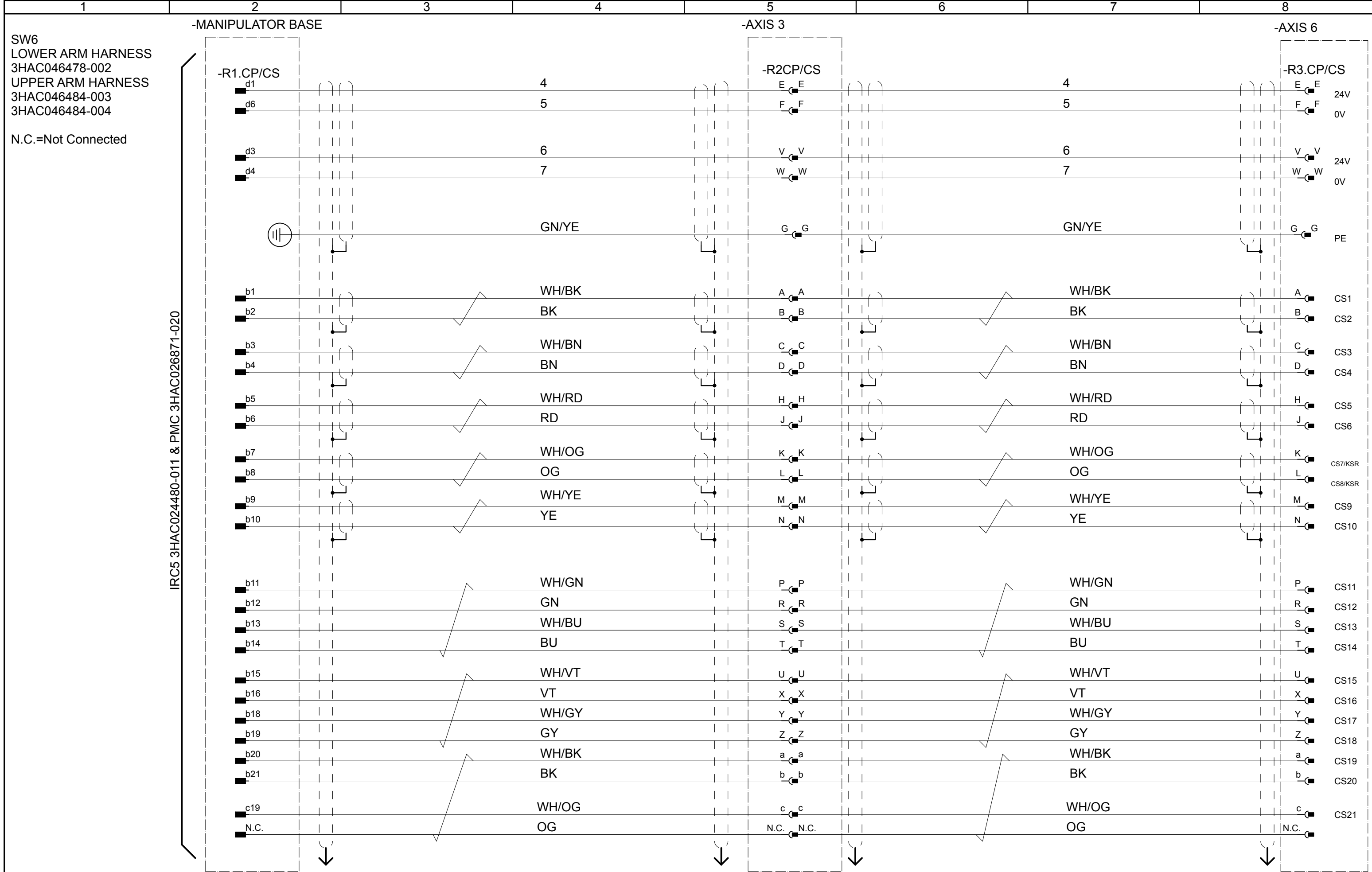
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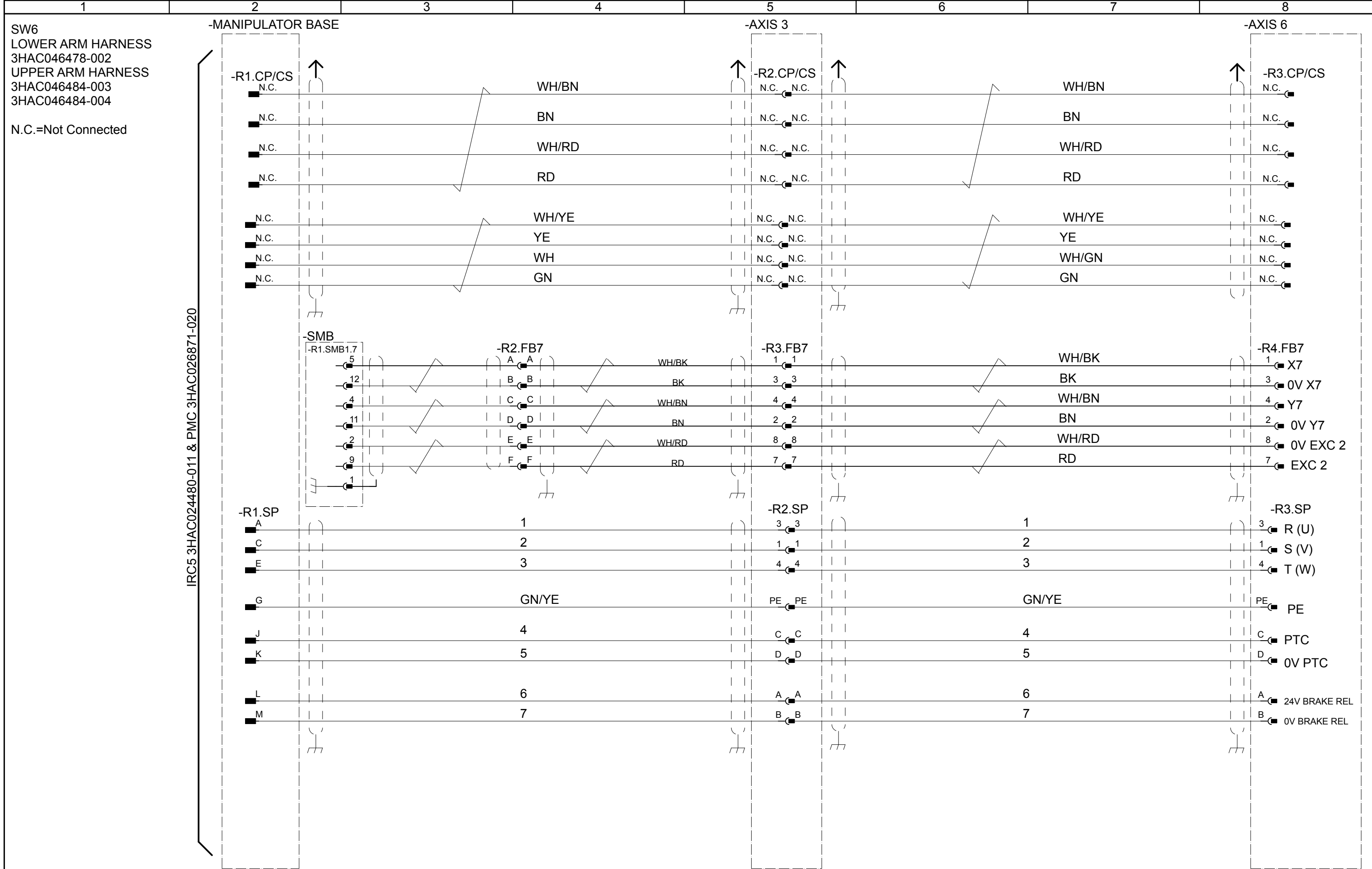
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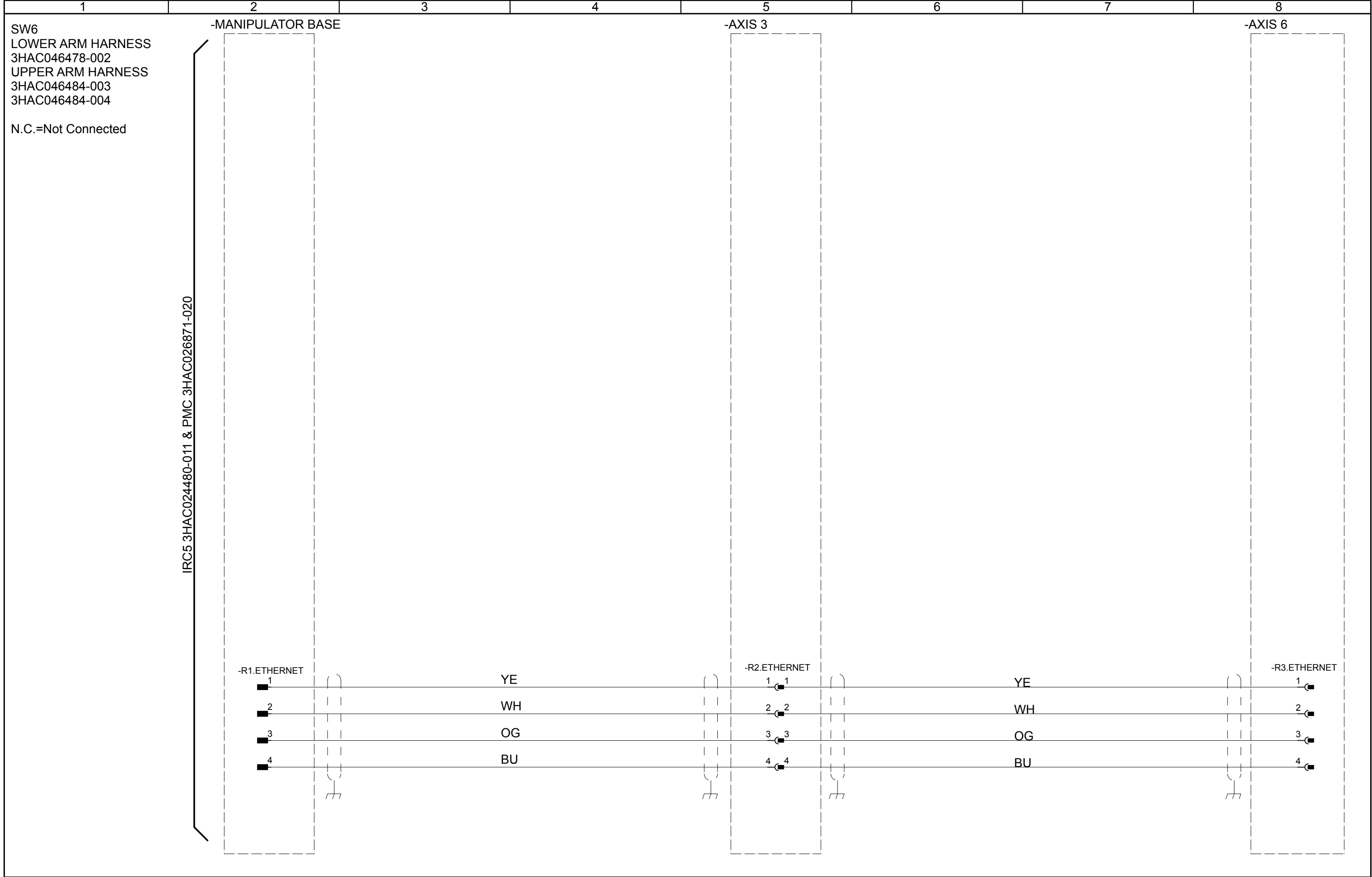
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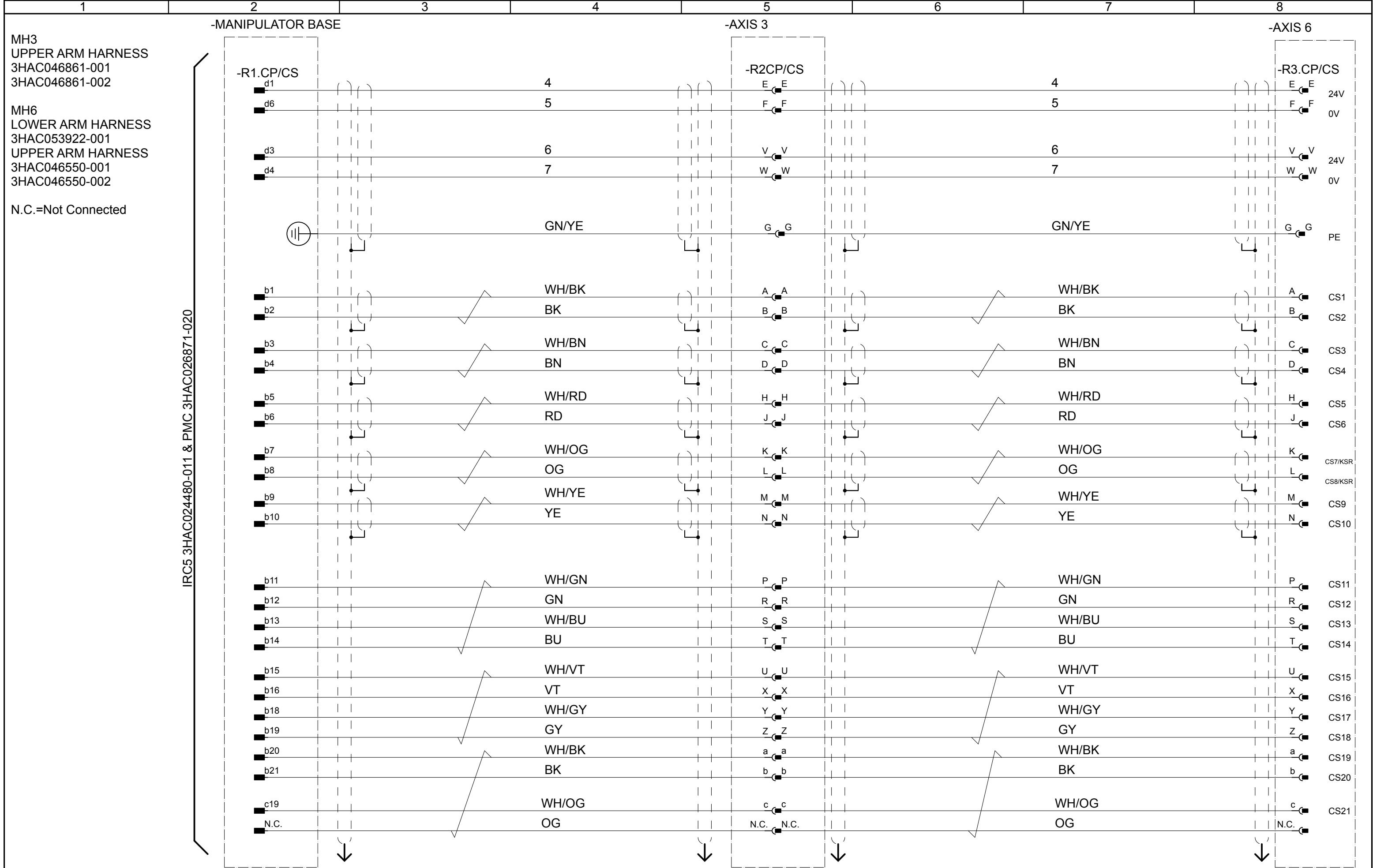
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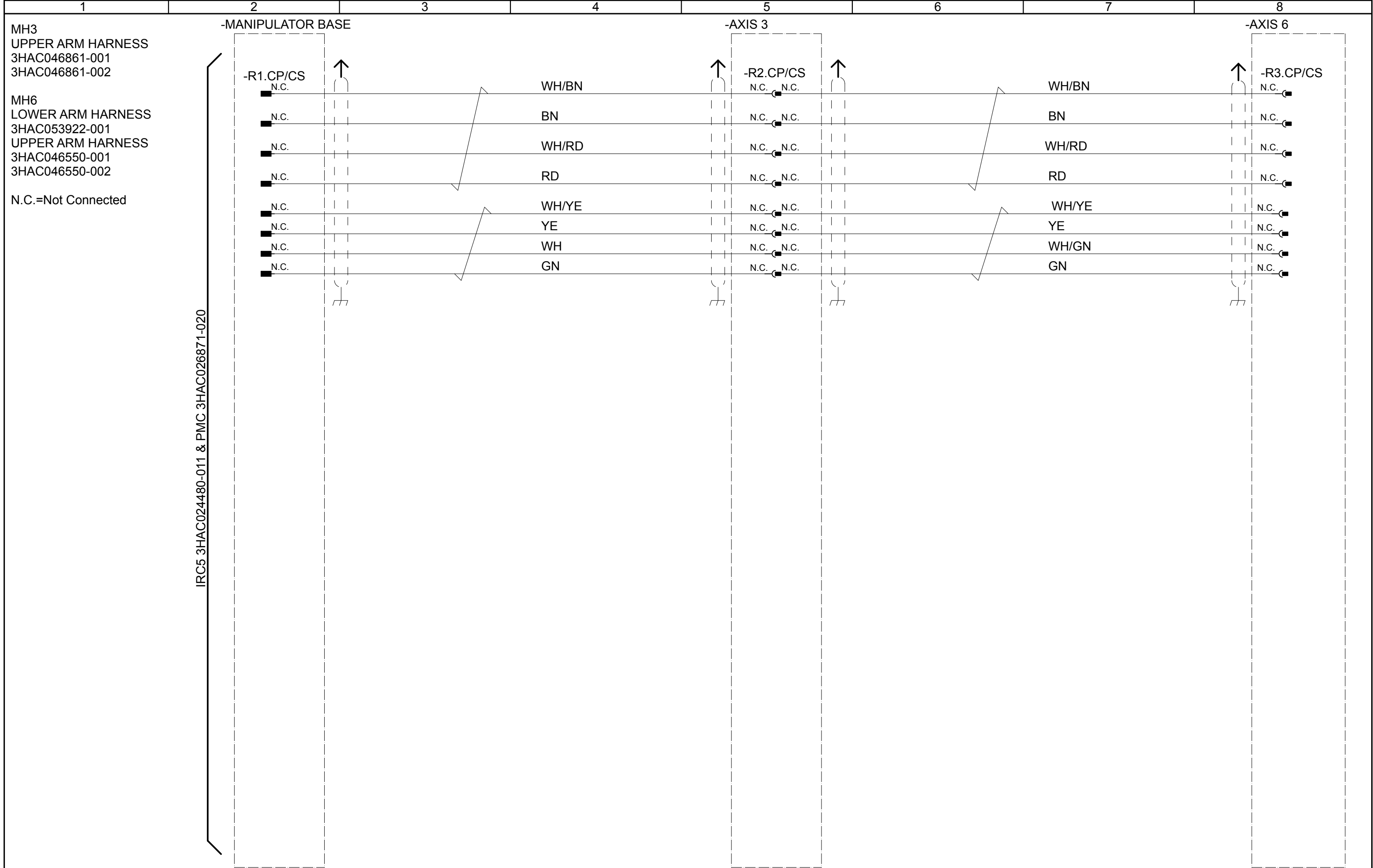
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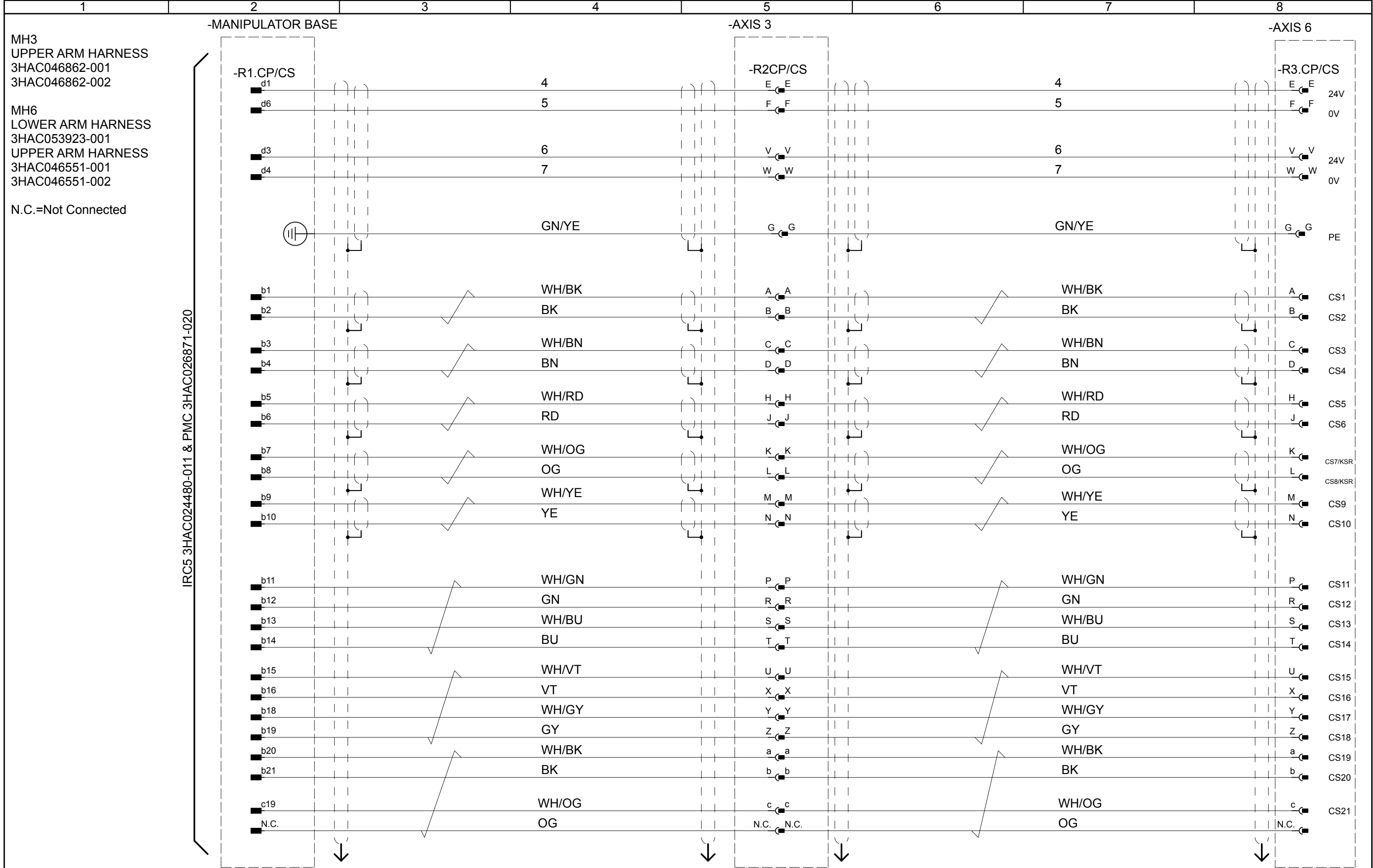
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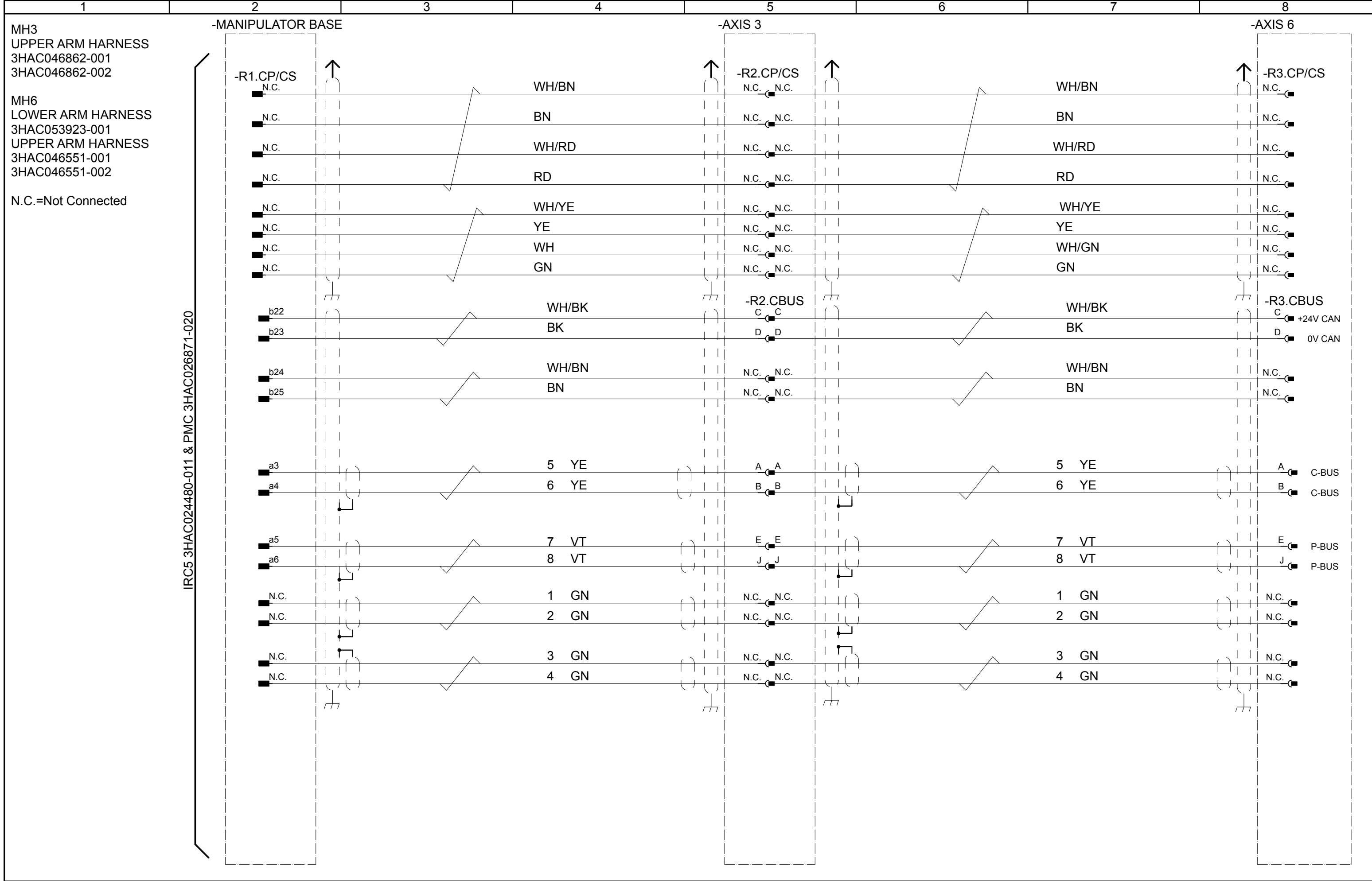
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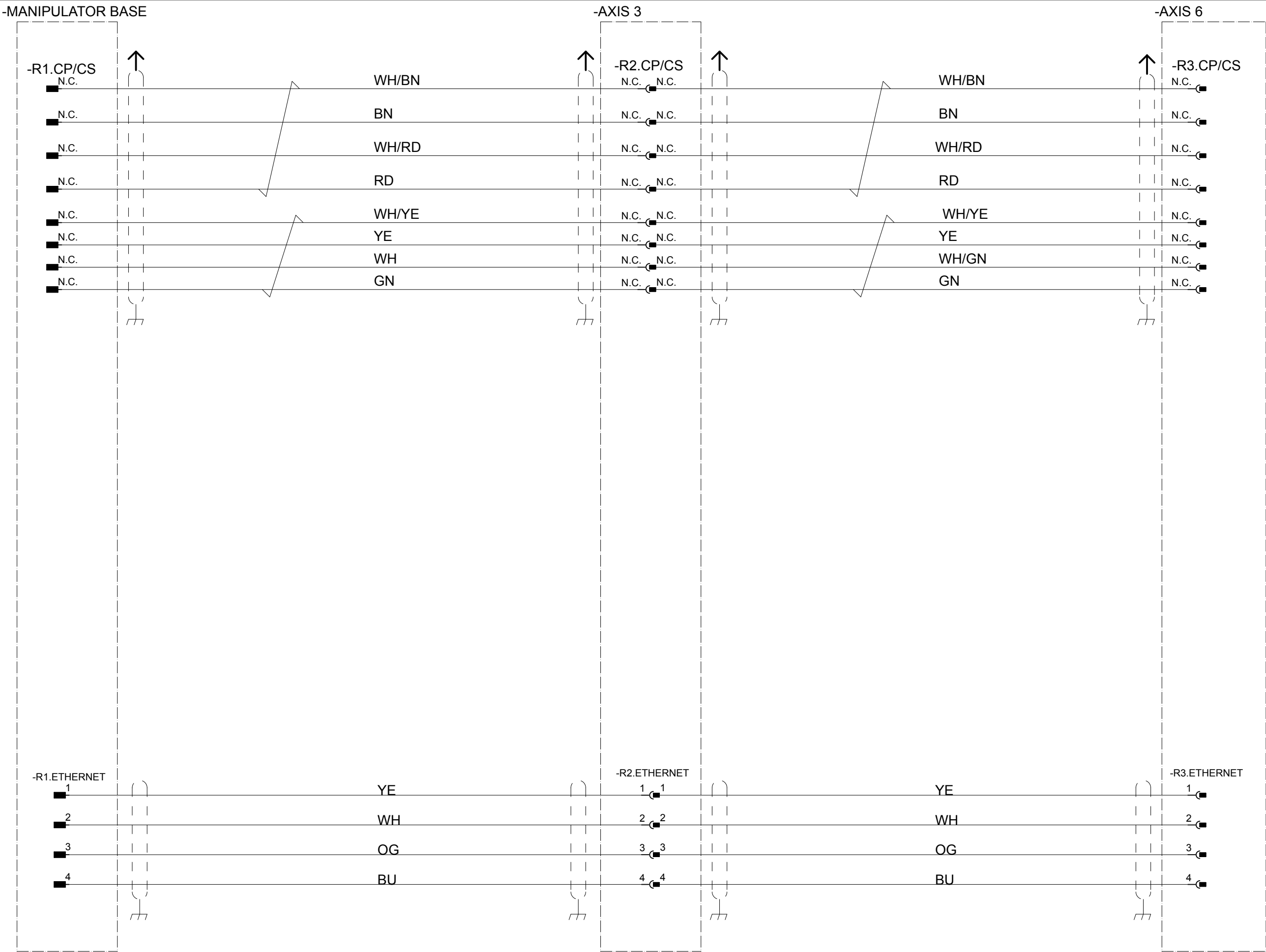


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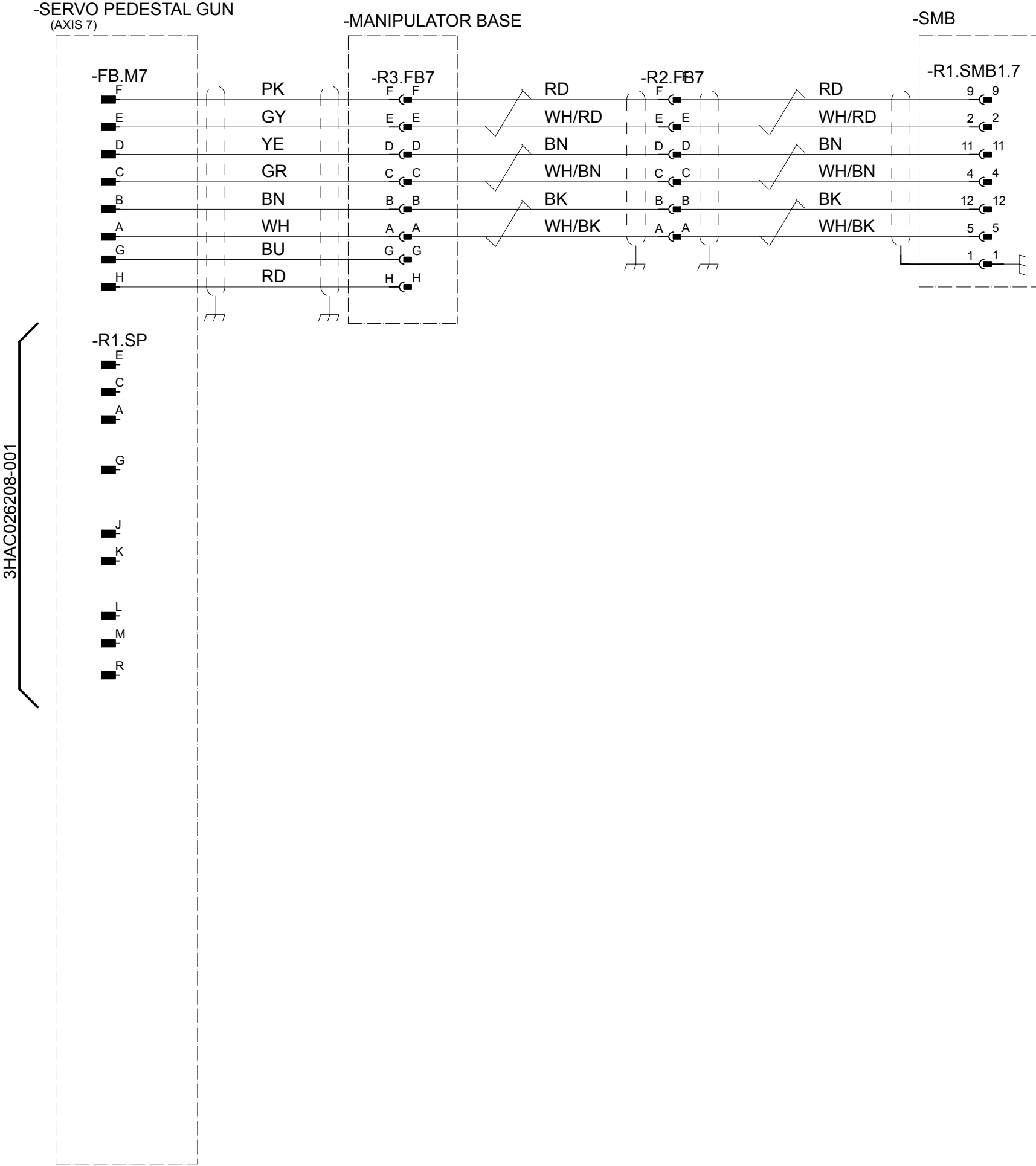
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IRC5 3HAC024480-011 & PMC 3HAC026871-020



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



Latest revision:
ECO 74237, WI 93585
New drawing



Lab/Office:
DMRO SE
PRIM

IRB6650S, IRB7600 LeanID

PEDESTAL GUN

TYPE HS, HSe

Status: 2015-09-25

Approved

Document no.

3HAC022327-002

Plant: = DP
Location: + PG
Sublocation: +

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