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ABB Automation Technologies AB
Robotics
SE-721 68 Västerås
Sweden

Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"



Lab/Office:
DMRO SE
PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = SP

APPROVED

Location: +
Sublocation: +

Document no.

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Prepared by, date: EM 2015-02-17 Approved by, date: JEN 2015-03-04

DRESS PACK



Customer :
 Robot serial number(s) :
 Drawing number :
 Drawing version :

Manufacture :
 Type :
 Type of installation :
 Control cabinet :
 Mains voltage :
 Supply :
 Control voltage :
 Year of construction :

Project start :
 Project manager :
 Last revision :
 Designed by :
 Designed date :
 Number of pages :
 :

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TITLE PAGE

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SP			4	TABLE OF CONTENTS 118-228	APPROVED	2008-06-30	semitot
SP			5-6	TABLE OF CONTENTS 229-321; 600-702	APPROVED	2013-12-06	seermes
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SP	S		51	BLOCK DIAGRAM TYPE S - IRBDP SW5	APPROVED	2008-06-30	semitot
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SP	HSe		56	BLOCK DIAGRAM - TYPE HSe	APPROVED	2008-06-30	semitot
SP	CON		57	CONNECTOR LAYOUT	APPROVED	2008-06-30	semitot
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DP	S	AX3	102	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	seermes
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DP	S	-	110	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	S	-	111	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	S	-	114	CUSTOMER SIGNALS, PROFIBUS	APPROVED	2008-06-30	semitot
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DP	S	AX3	121	CUSTOMER SIGNALS, ETHERNET - SW6	APPROVED	2012-03-21	seermes
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DP	Se	AX3	201	CUSTOMER SIGNALS, PARALLEL	APPROVED	2008-06-30	semitot
DP	Se	AX3	202	CUSTOMER SIGNALS, PARALLEL	APPROVED	2008-06-30	semitot
DP	Se	AX3	203	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	Se	AX3	204	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	Se	AX3	205	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	Se	AX3	206	CUSTOMER SIGNALS, ETHERNET	APPROVED	2009-12-04	seermes
DP	Se	AX3	207	CUSTOMER SIGNALS, ETHERNET	APPROVED	2009-12-04	seermes
DP	Se	AX3	208	CUSTOMER SIGNALS, ETHERNET	APPROVED	2009-12-04	seermes
DP	Se	AX3	209	CUSTOMER SIGNALS, PROFIBUS	APPROVED	2008-06-30	semitot
DP	Se	AX3	210	CUSTOMER SIGNALS, PROFIBUS	APPROVED	2008-06-30	semitot
DP	Se	AX3	211	CUSTOMER SIGNALS, PROFIBUS	APPROVED	2008-06-30	semitot
DP	Se	-	212	CUSTOMER SIGNALS, PARALLEL	APPROVED	2008-06-30	semitot
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DP	Se	-	223	CUSTOMER SIGNALS, PROFIBUS	APPROVED	2008-06-30	semitot
DP	Se	AX3	224	CUSTOMER SIGNALS, PRALLEL - SW6	APPROVED	2012-03-21	seermes
DP	Se	AX3	225	CUSTOMER SIGNALS, PARALLEL - SW6	APPROVED	2012-03-21	seermes
DP	Se	AX3	226	CUSTOMER SIGNALS, CANBUS - SW6	APPROVED	2012-03-21	seermes
DP	Se	AX3	227	CUSTOMER SIGNALS, CANBUS - SW6	APPROVED	2012-03-21	seermes
DP	Se	AX3	228	CUSTOMER SIGNALS, CANBUS - SW6	APPROVED	2012-03-21	seermes

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DP	H		301	CUSTOMER SIGNALS, PARALLEL	APPROVED	2008-06-30	semitot
DP	H		302	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	H		303	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	H		304	CUSTOMER SIGNALS, ETHERNET	APPROVED	2009-12-04	seermes
DP	H		305	CUSTOMER SIGNALS, ETHERNET	APPROVED	2009-12-04	seermes
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DP	H.1		308	CUSTOMER SIGNALS, PARALLEL	APPROVED	2008-06-30	semitot
DP	H.1		309	CUSTOMER SIGNALS, PARALLEL	APPROVED	2008-06-30	semitot
DP	H.1		310	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	H.1		311	CUSTOMER SIGNALS, CANBUS	APPROVED	2008-06-30	semitot
DP	H.1		312	CUSTOMER SIGNALS, ETHERNET	APPROVED	2009-12-04	seermes
DP	H.1		313	CUSTOMER SIGNALS, ETHERNET	APPROVED	2009-12-04	seermes
DP	H.1		314	CUSTOMER SIGNALS, PROFIBUS	APPROVED	2008-06-30	semitot
DP	H.1		315	CUSTOMER SIGNALS, PROFIBUS	APPROVED	2008-06-30	semitot
DP	H		316	CUSTOMER SIGNALS, PARALLEL - MH6	APPROVED	2013-12-06	seermes
DP	H		317	CUSTOMER SIGNALS, PARALLEL - MH6	APPROVED	2013-12-06	seermes
DP	H		318	CUSTOMER SIGNALS, CANBUS - MH6	APPROVED	2013-12-06	seermes
DP	H		319	CUSTOMER SIGNALS, CANBUS - MH6	APPROVED	2013-12-06	seermes
DP	H		320	CUSTOMER SIGNALS, ETHERNET - MH6	APPROVED	2013-12-06	seermes
DP	H		321	CUSTOMER SIGNALS, ETHERNET - MH6	APPROVED	2013-12-06	seermes
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DP	ID	AX3	403	IRB66xID, ETHERNET (On request)	APPROVED	2011-09-23	seermes
DP	PG		500	PEDESTAL GUN	APPROVED	2008-06-30	semitot

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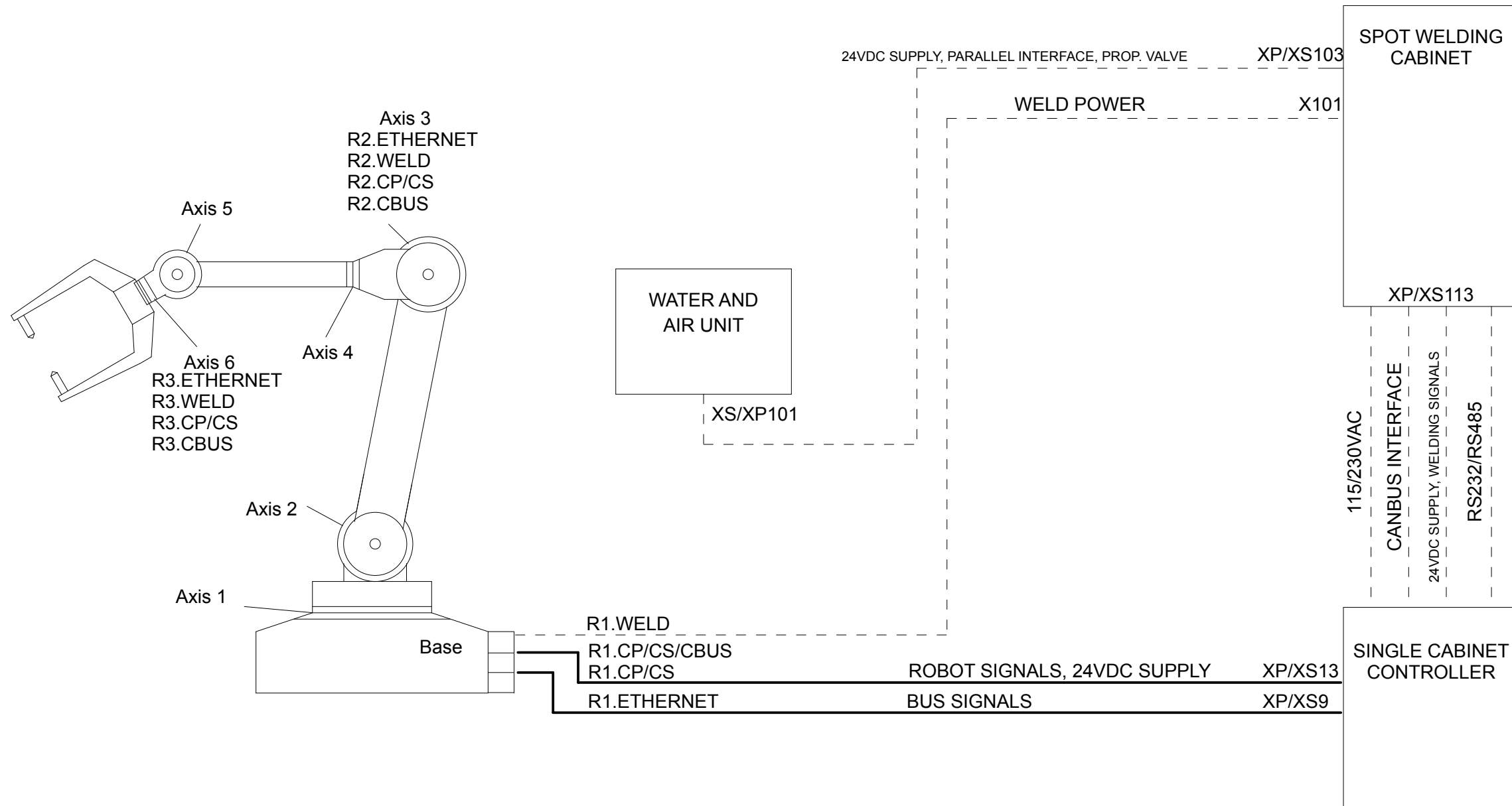
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DP	RG		602	ROBOT GUN (RG) - IRBDP SW5	APPROVED	2008-06-30	semitot
DP	REV		700	Revision Notes	APPROVED	2008-06-30	semitot
DP	REV		701	Revision Notes	APPROVED	2008-06-30	semitot
DP	REV		702	Revision Notes	APPROVED	2008-06-30	semitot

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BLOCK DIAGRAM TYPE S (pneumatic gun)
 IRBDP SW2/SW6
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004.
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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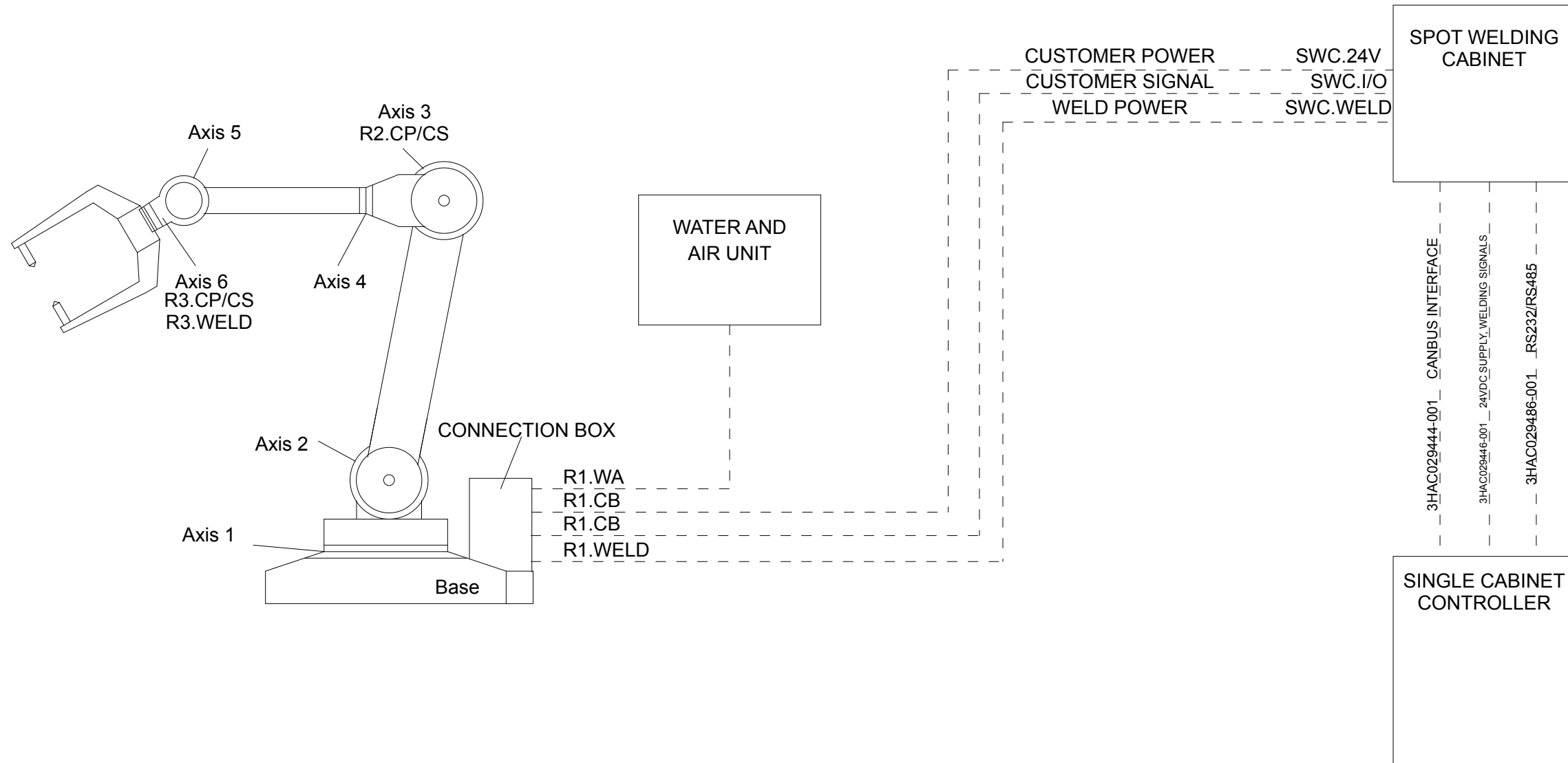
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BLOCK DIAGRAM - TYPE S

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BLOCK DIAGRAM TYPE S (pneumatic gun)
 IRBDP SW5
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004.
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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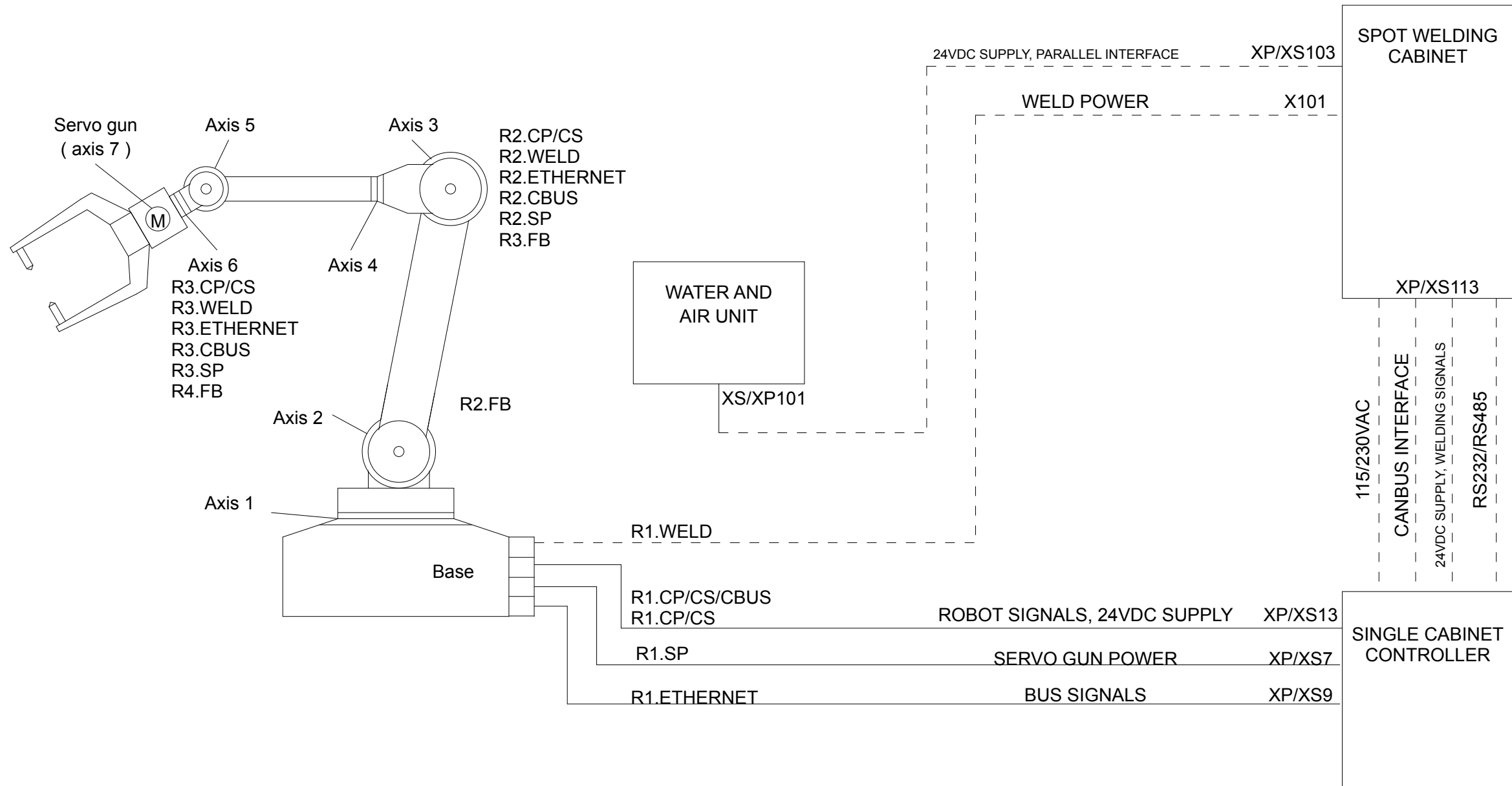
BLOCK DIAGRAM TYPE S - IRBDP SW5

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DRESS PACK

BLOCK DIAGRAM TYPE Se (servo gun)
 IRBDP SW2/SW6
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004.
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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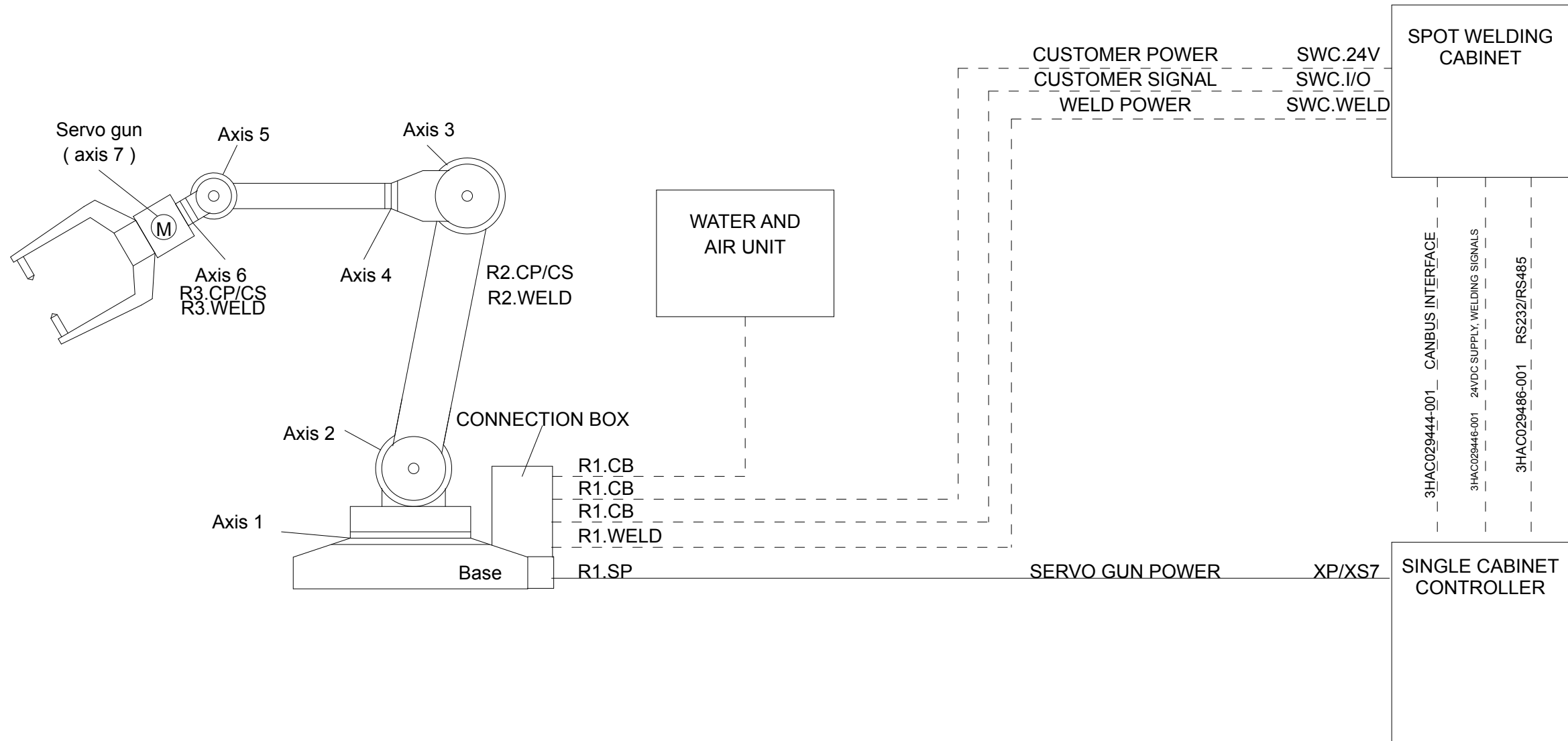
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 BLOCK DIAGRAM - TYPE Se
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BLOCK DIAGRAM TYPE Se (servo gun)
 IRBDP SW5
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004.
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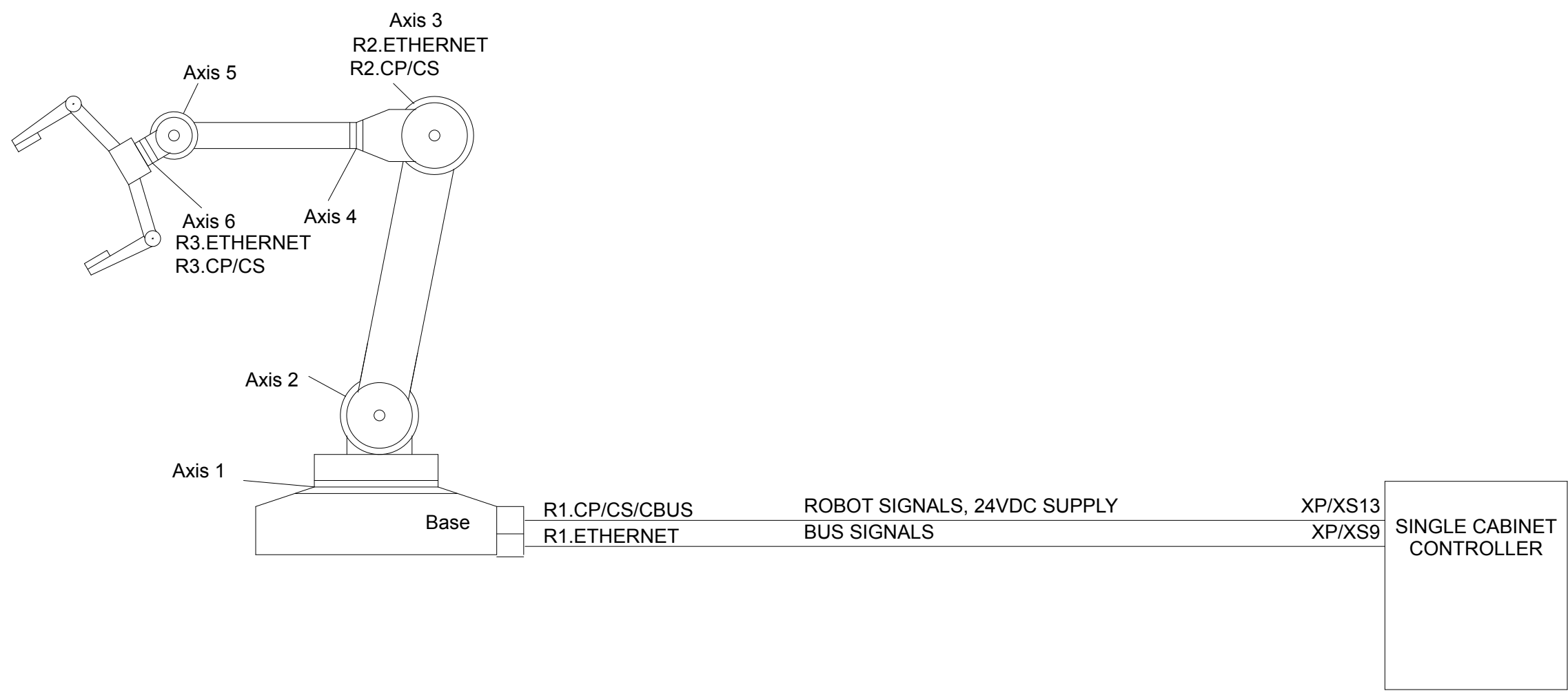
REGION E




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 IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
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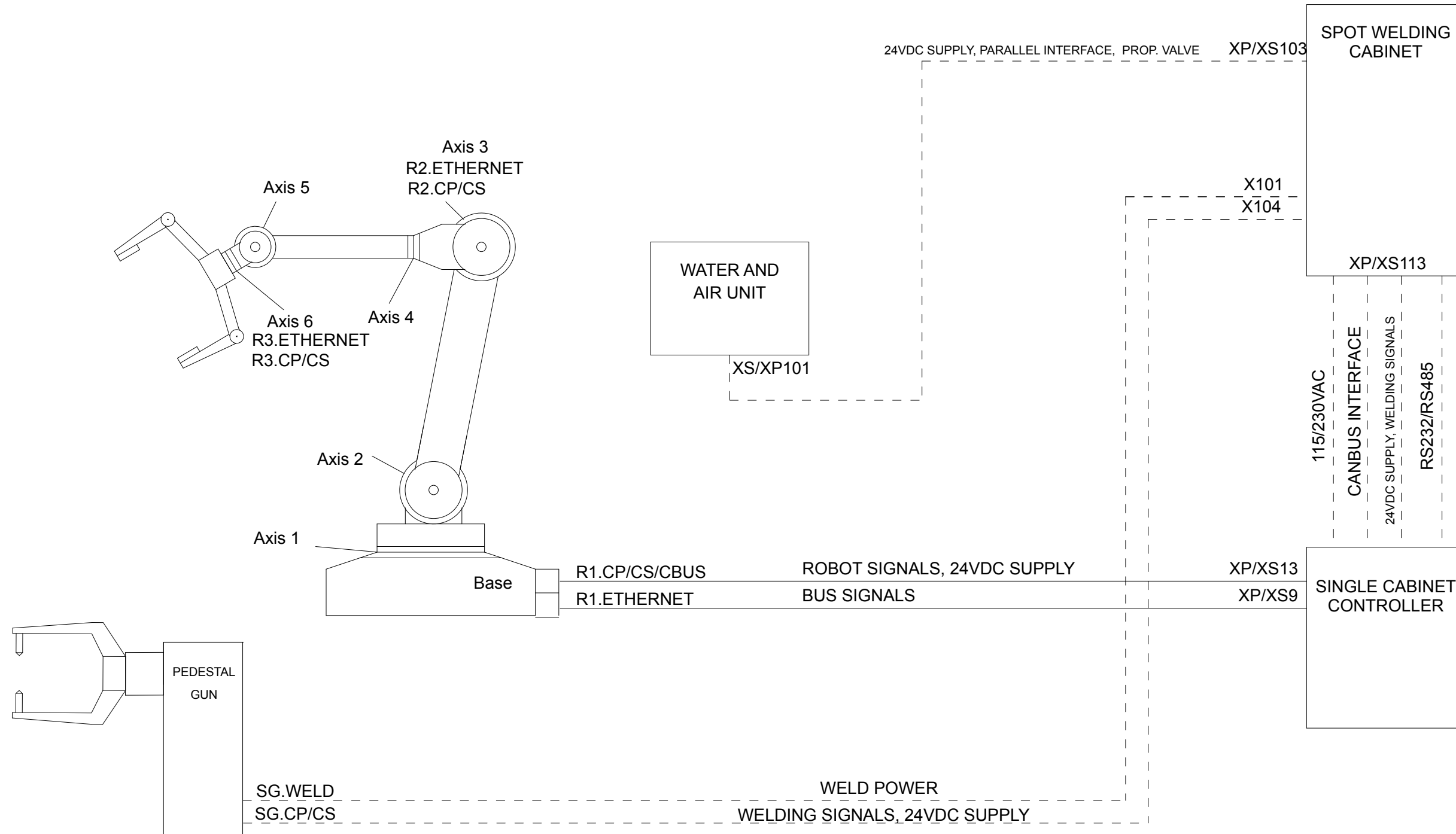
BLOCK DIAGRAM TYPE H
 IRBDP SW2
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004.



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BLOCK DIAGRAM TYPE HS (material handling and pneumatic gun)
 IRBDP SW2
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004.
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

BLOCK DIAGRAM - TYPE HS

DRESS PACK

Status: 2015-03-04

Plant: = SP
 Location: + HS
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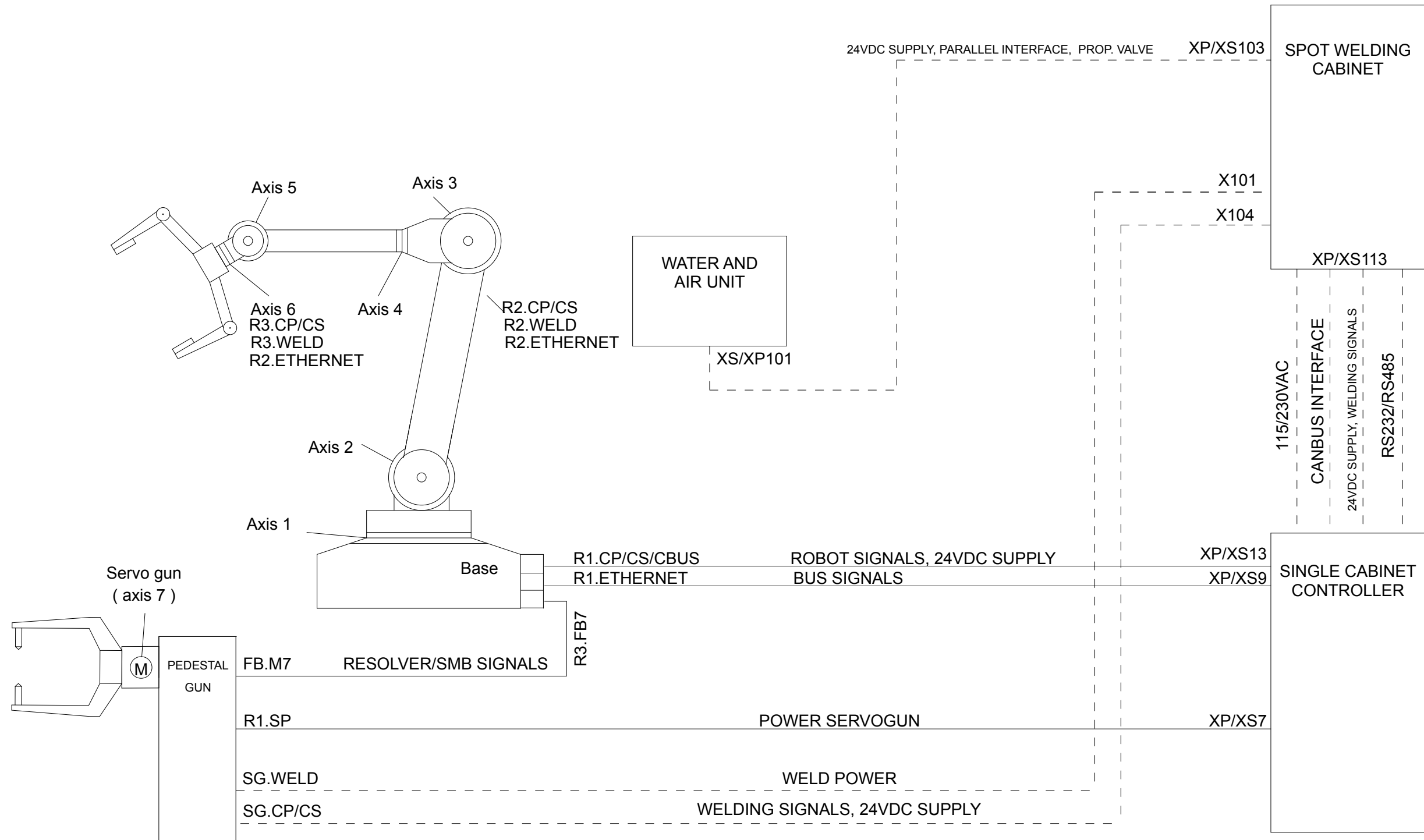
APPROVED

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BLOCK DIAGRAM TYPE HSe (material handling and servo gun)
 IRBDP SW2
 Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-004.
 Dashed cables: See circuit diagram SpotPack, 3HAC026208-001



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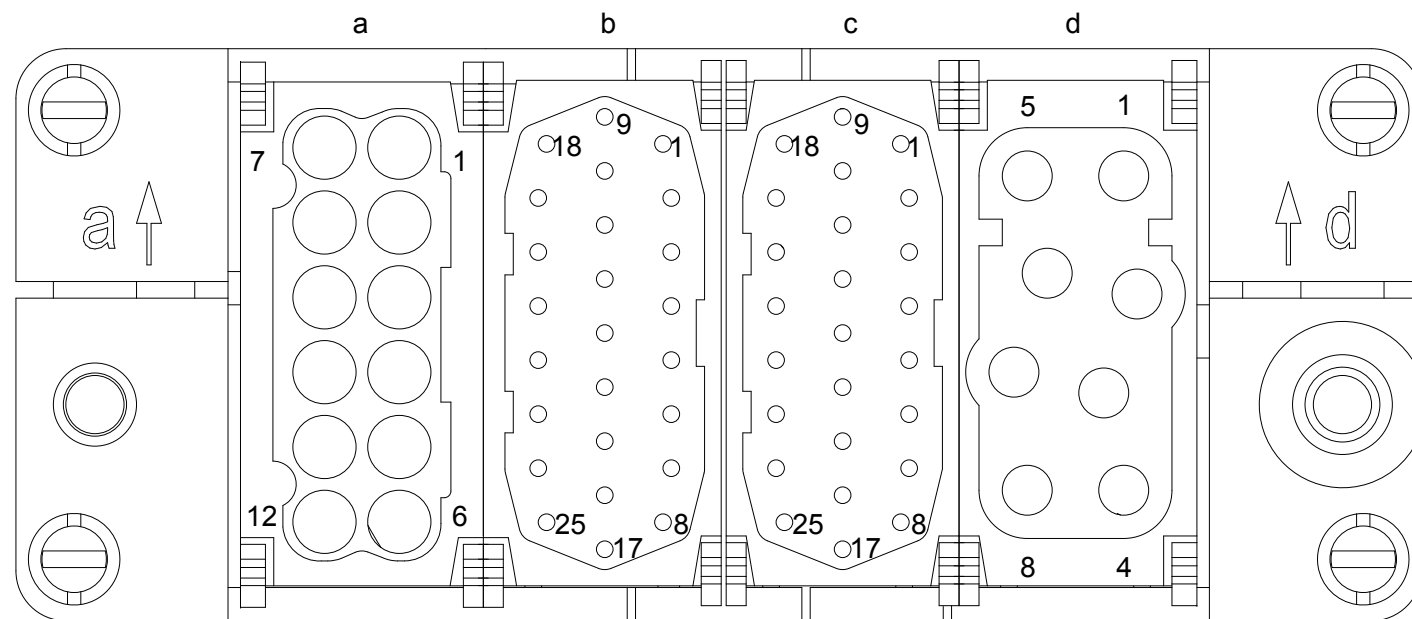
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 BLOCK DIAGRAM - TYPE HSe
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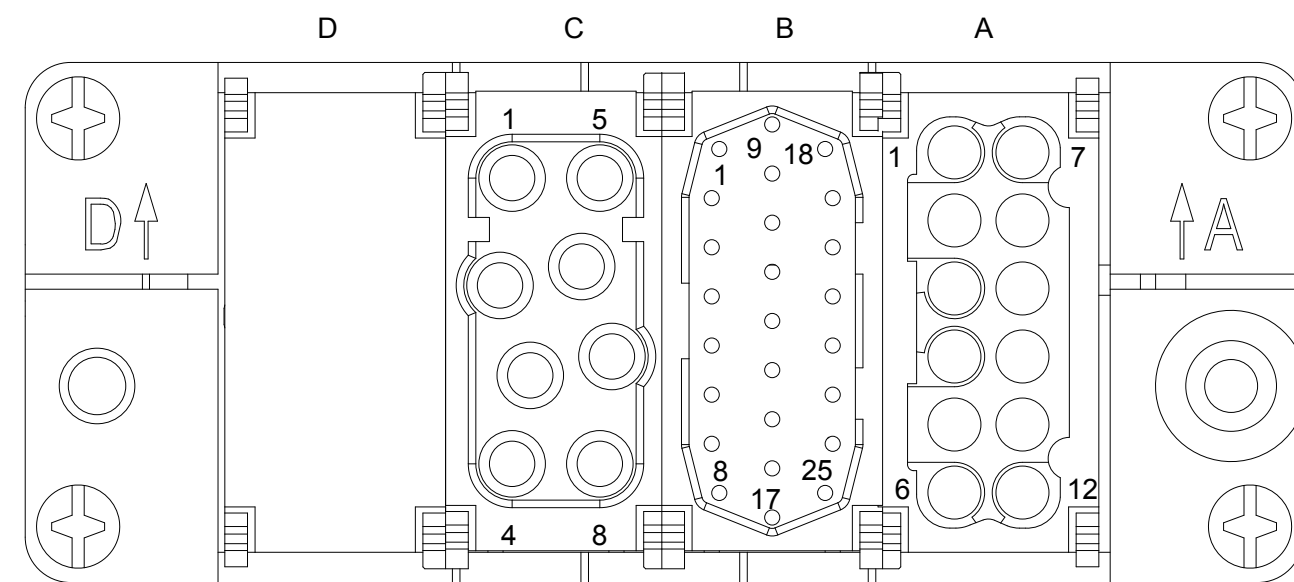
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Male (R1.CP/CS)



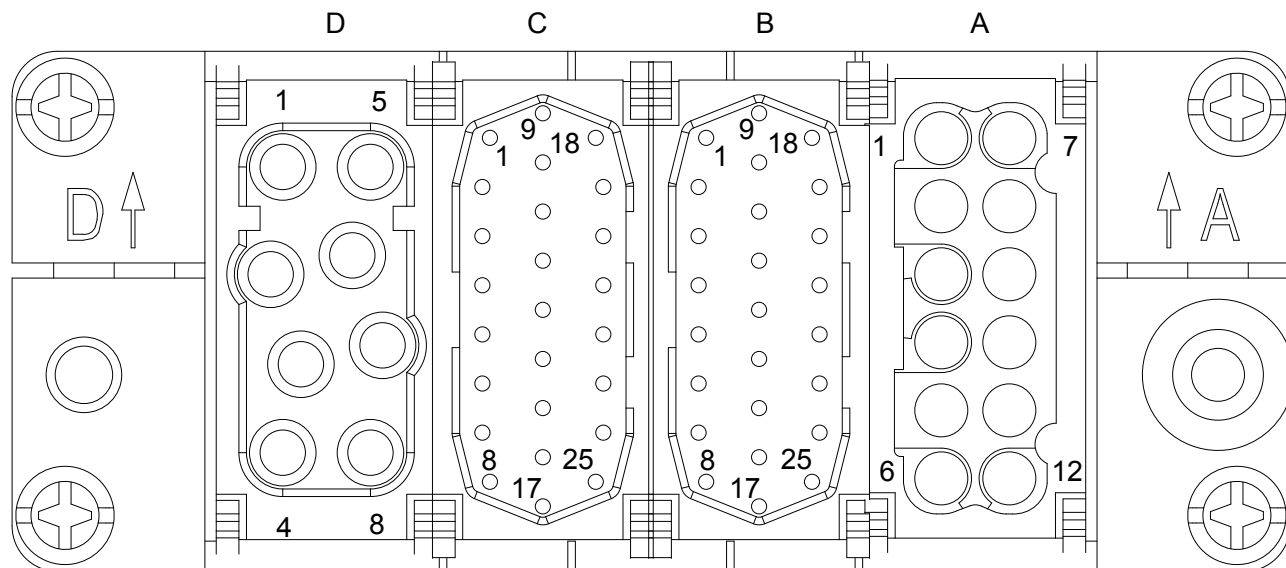
HARTING HAN MODULE/ DD HD HD EE

Female (R3.CP/CS)
only for IRB66X0ID



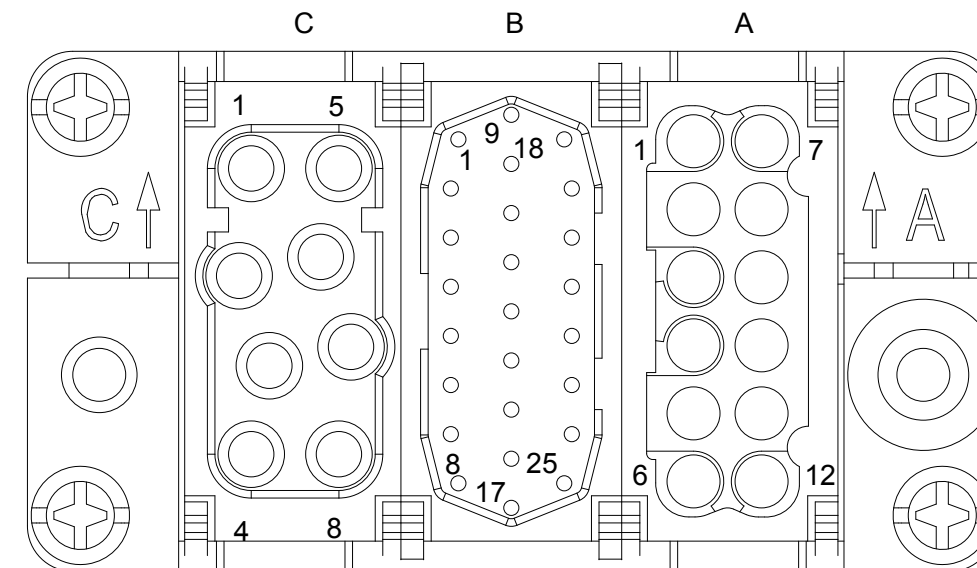
EE HD DD

Female (R2.CP/CS)



HARTING HAN MODULE/ EE HD HD DD

Female (R3.CP/CS)



EE HD DD

Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"



Lab/Office:
DMRO SE
PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = SP
Location: + CON
Sublocation: +

APPROVED

Document no.

3HAC026209-001

Rev. Ind Page57
12 Next 58
Total 98

Prepared by, date: EM 2015-02-17 Approved by, date: JEN 2015-03-04

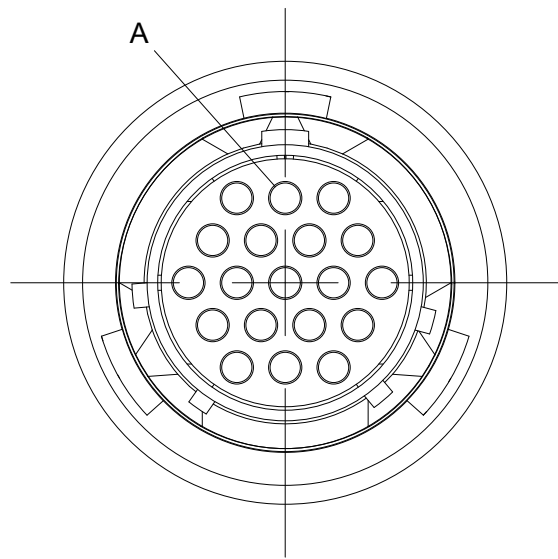
CONNECTOR LAYOUT

DRESS PACK

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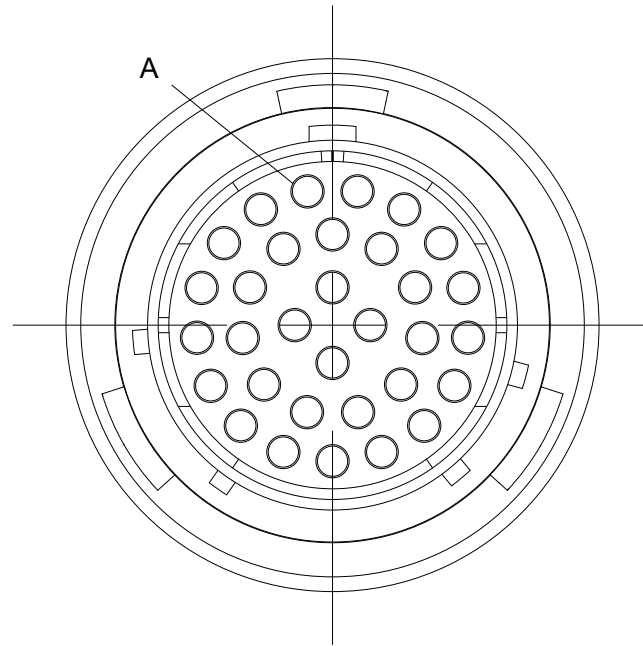
BLOCK DIAGRAM TYPE H/HS/HSe model (IRBDP MH3)

Female 19p (R3.CBUS)



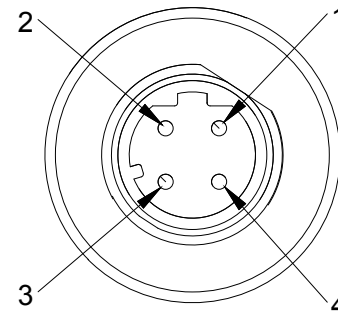
SOURIAU UTOW
OR COMPATIBLE

Female 32p (R3.CP/CS)

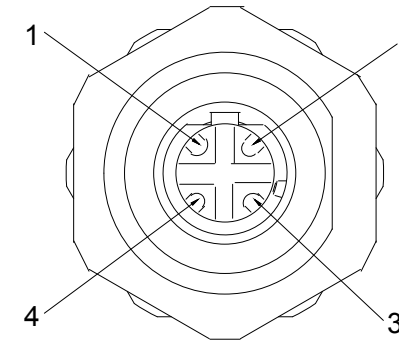


SOURIAU UTOW
OR COMPATIBLE

Male 4p
R2.ETHERNET
R3.ETHERNET

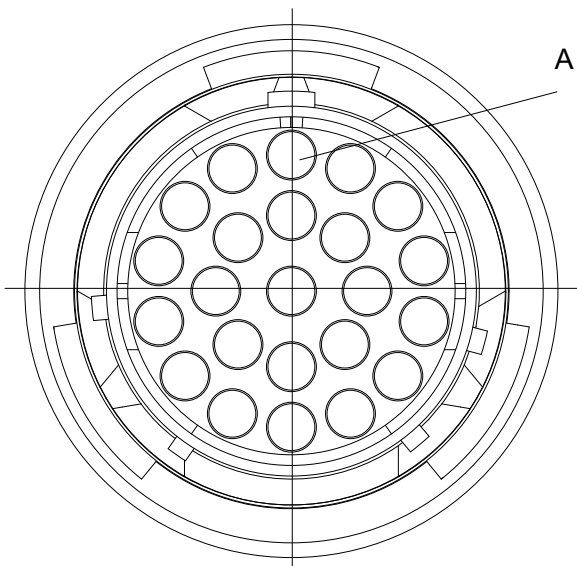


Female 4p
R1.ETHERNET
R2.ETHERNET



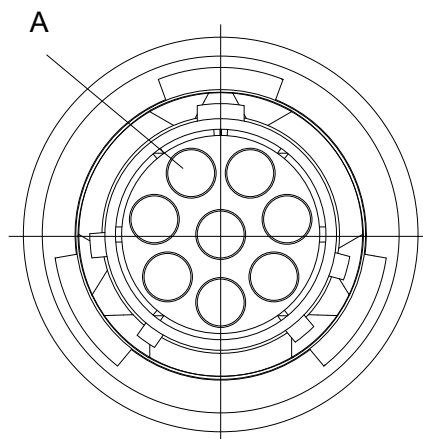
BLOCK DIAGRAM TYPE Se/HSe

Female 23p (R1.SP)



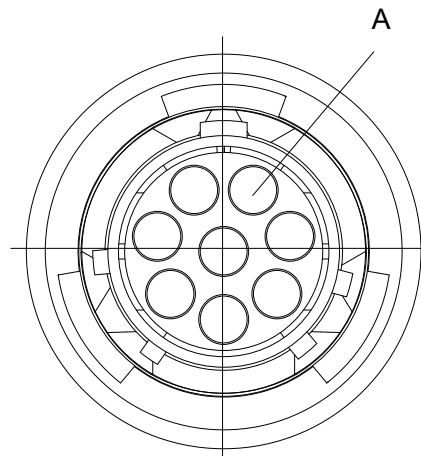
SOURIAU UTOW
OR COMPATIBLE

Female 8p (R2.FB7 & FB.M7)



SOURIAU UTOW
OR COMPATIBLE

Male 8p (R3.FB7)



SOURIAU UTOW
OR COMPATIBLE

Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = SP
Location: + CON
Sublocation: +

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Document no.

3HAC026209-001

Rev. Ind Page58

12 Next 59

Total 98

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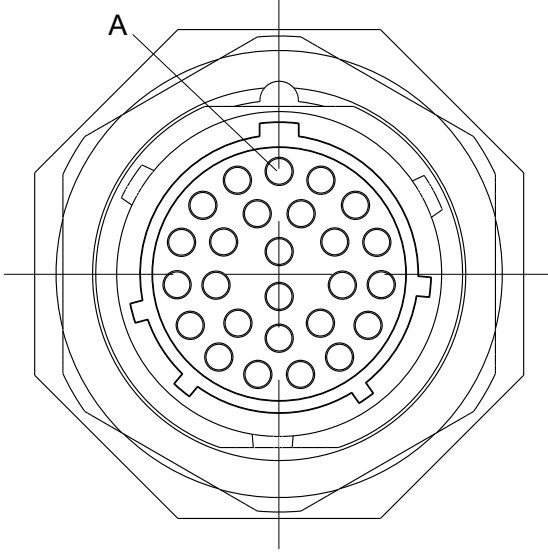
CONNECTOR LAYOUT

DRESS PACK

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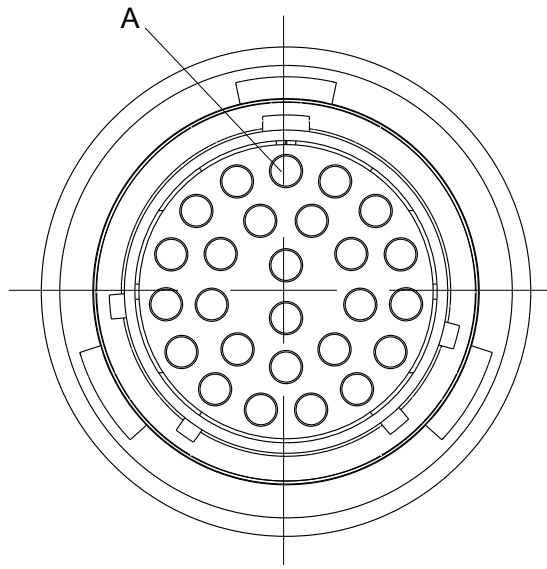
BLOCK DIAGRAM TYPE H, S, Se (Unique on SW6, MH6)

Female 26p (R2.CP/CS)



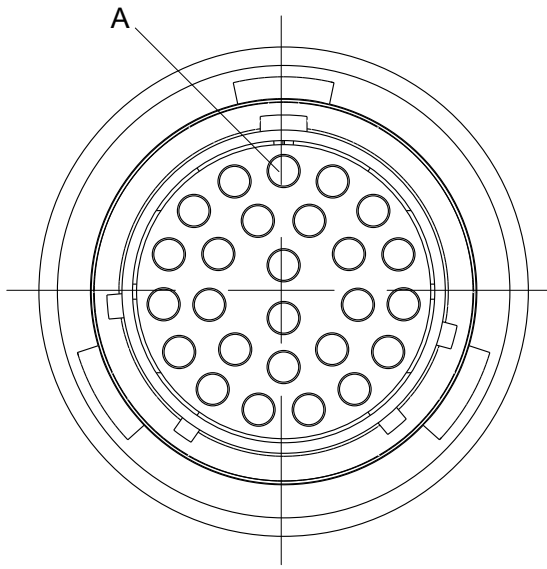
SOURIAU UTOW
OR COMPATIBLE

Male 26p (R2.CPS)



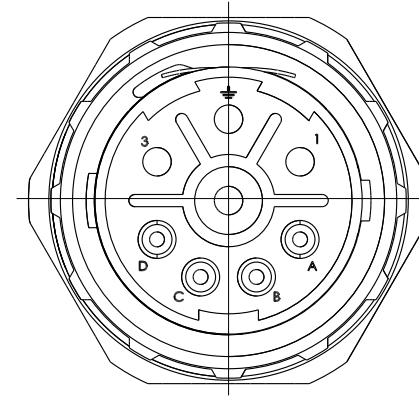
SOURIAU UTOW
OR COMPATIBLE

Female 26p (R3.CPS)



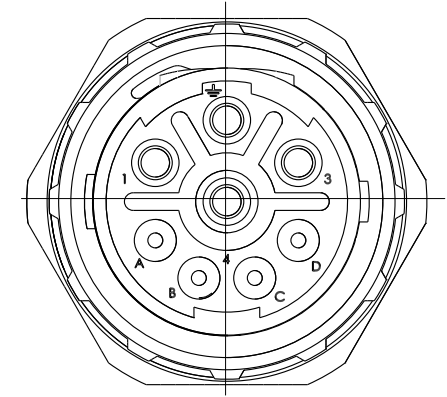
SOURIAU UTOW
OR COMPATIBLE

Female 8p
R2.SP
R3.SP



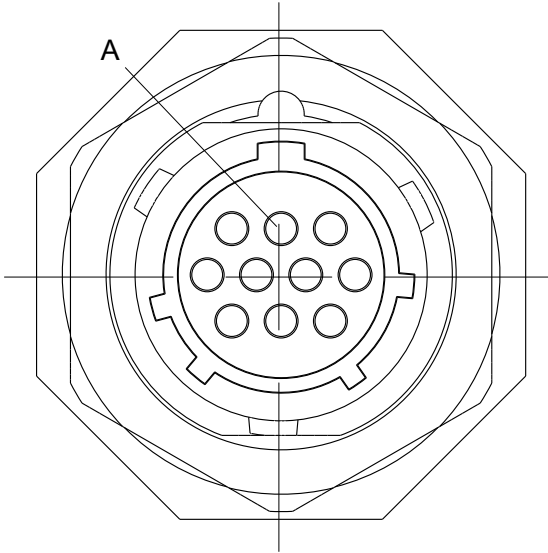
M23

Male 8p
R2.SP
R3.SP



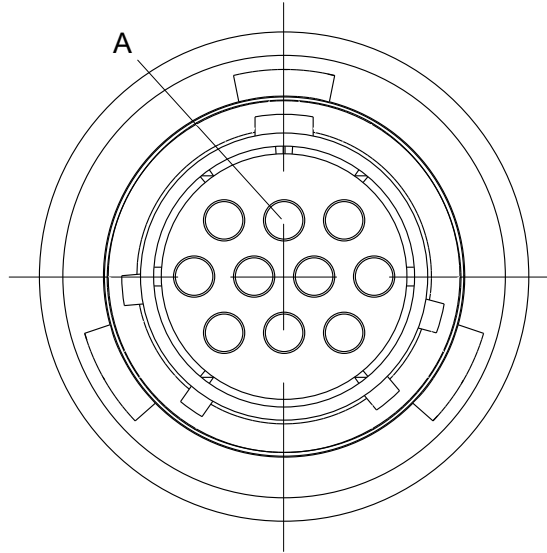
M23

Female 10p (R2.CBUS)



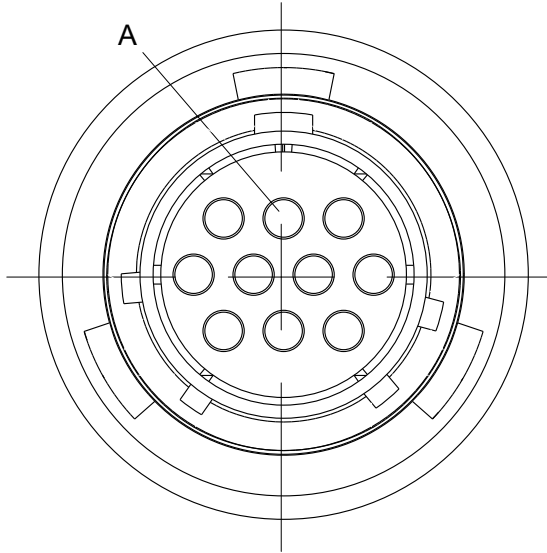
SOURIAU UTOW
OR COMPATIBLE

Male 10p (R2.CBUS)



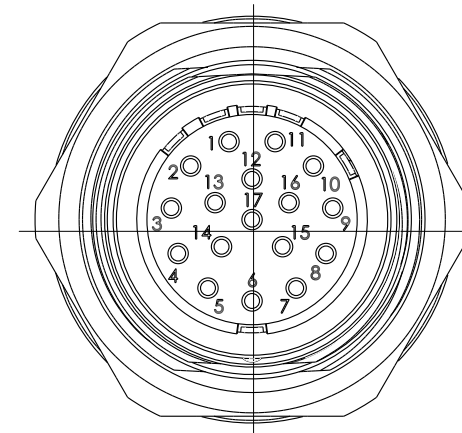
SOURIAU UTOW
OR COMPATIBLE

Female 10p (R3.CBUS)



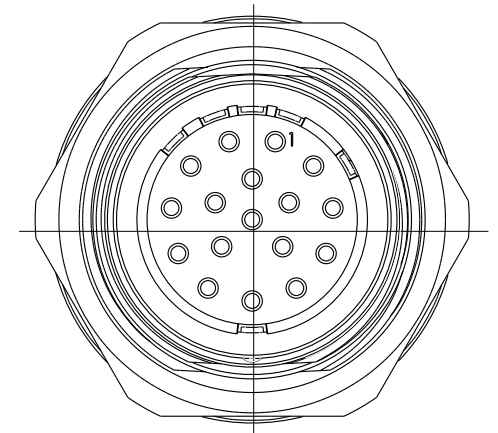
SOURIAU UTOW
OR COMPATIBLE

Male 17p (R3.FB7)



SOURIAU UTOW
OR COMPATIBLE

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



SOURIAU UTOW
OR COMPATIBLE

Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = SP

APPROVED

Location: + CON
Sublocation: +

Document no.

Rev. Ind Page59

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12 Next =DP+S

Prepared by, date: EM 2015-02-17 Approved by, date: JEN 2015-03-04

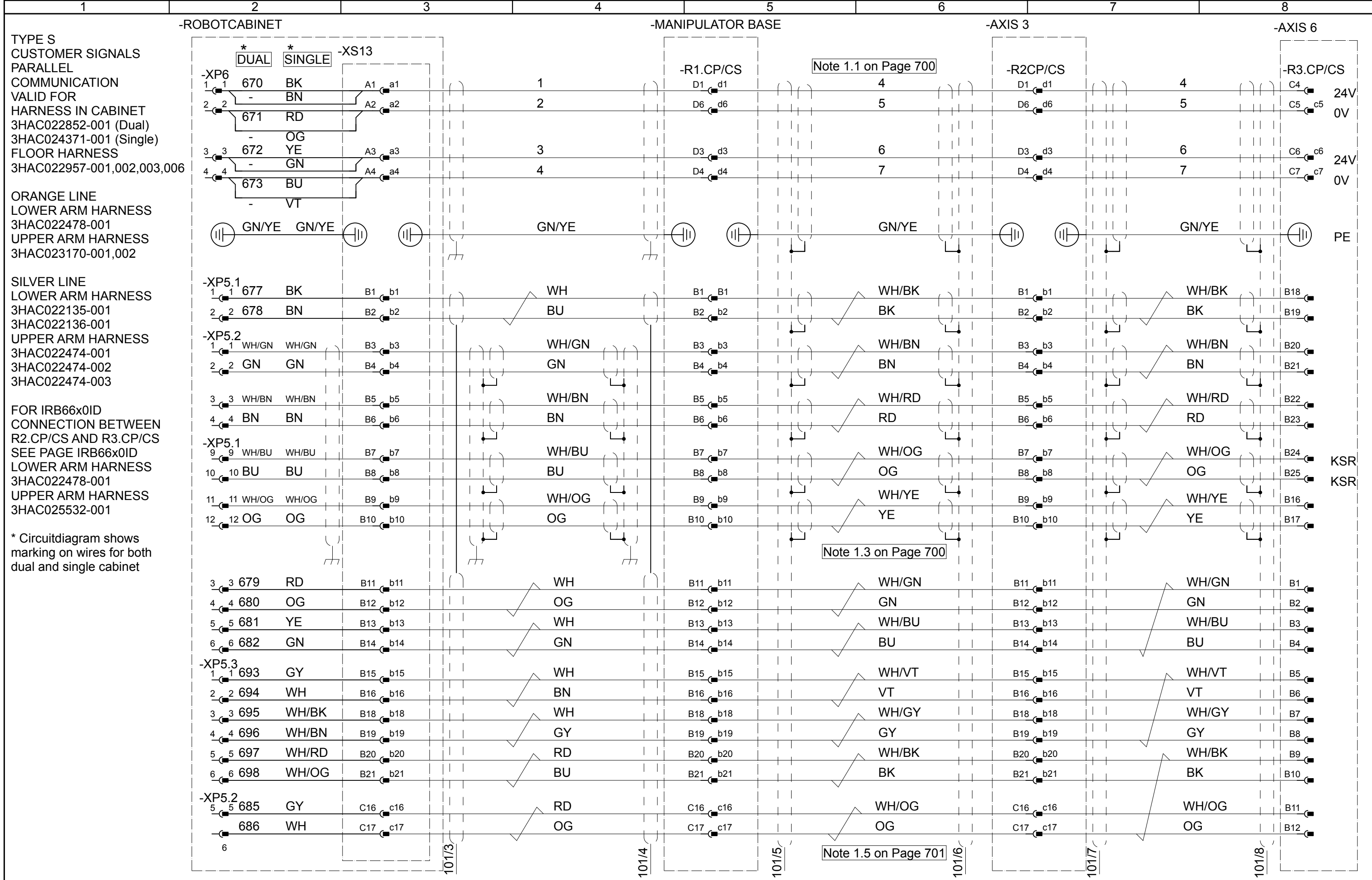
CONNECTOR LAYOUT

DRESS PACK

Total 98

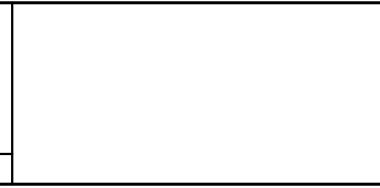
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Prepared by, date: EM 2015-02-17
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PARALLEL

TYPE S

Status: 2015-03-04

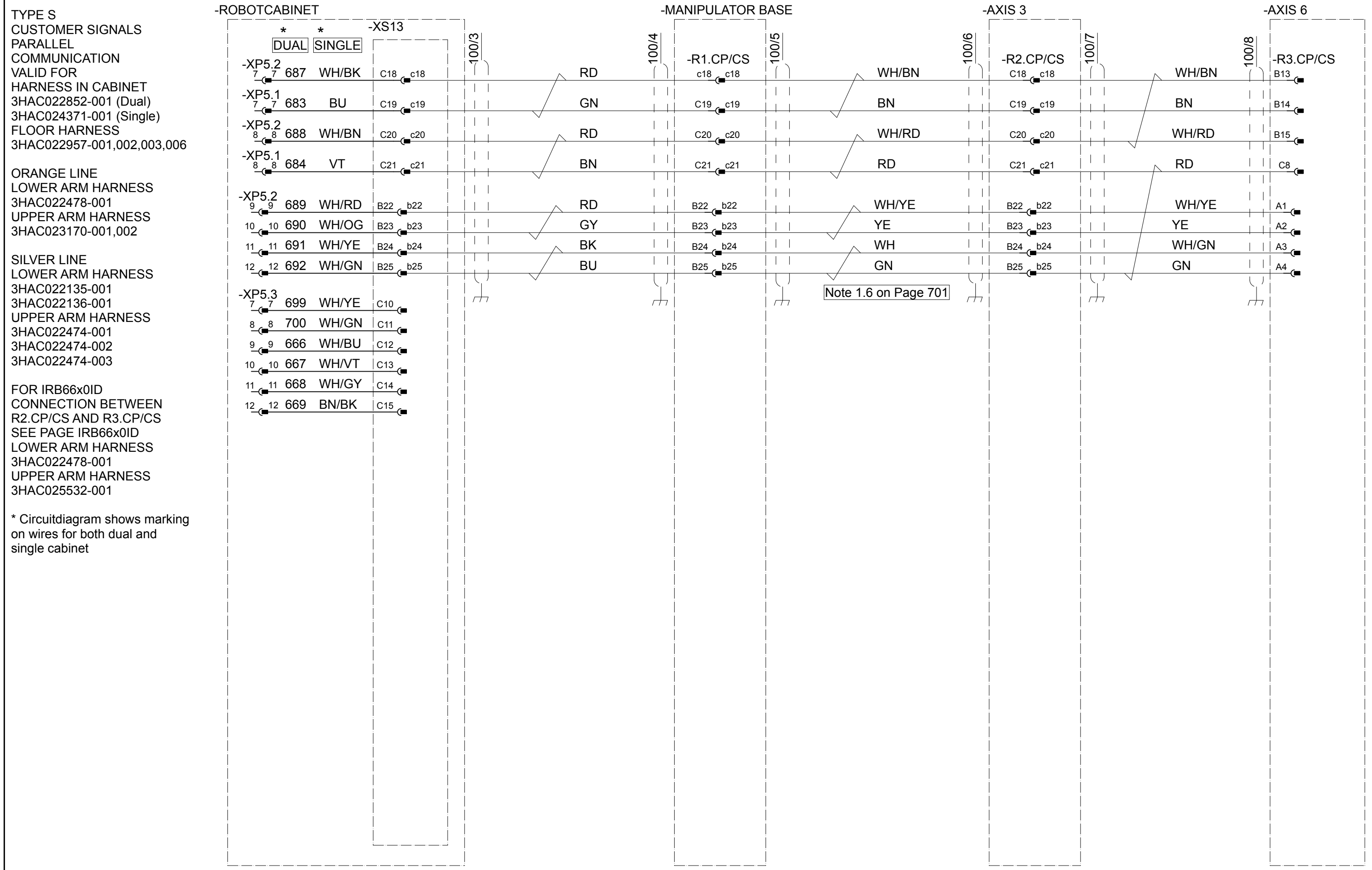
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Plant: = DP
 Location: + S
 Sublocation: + AX3

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 Total 98

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TYPE S
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

ORANGE LINE
 LOWER ARM HARNESS
 3HAC022478-001
 UPPER ARM HARNESS
 3HAC023170-001,002

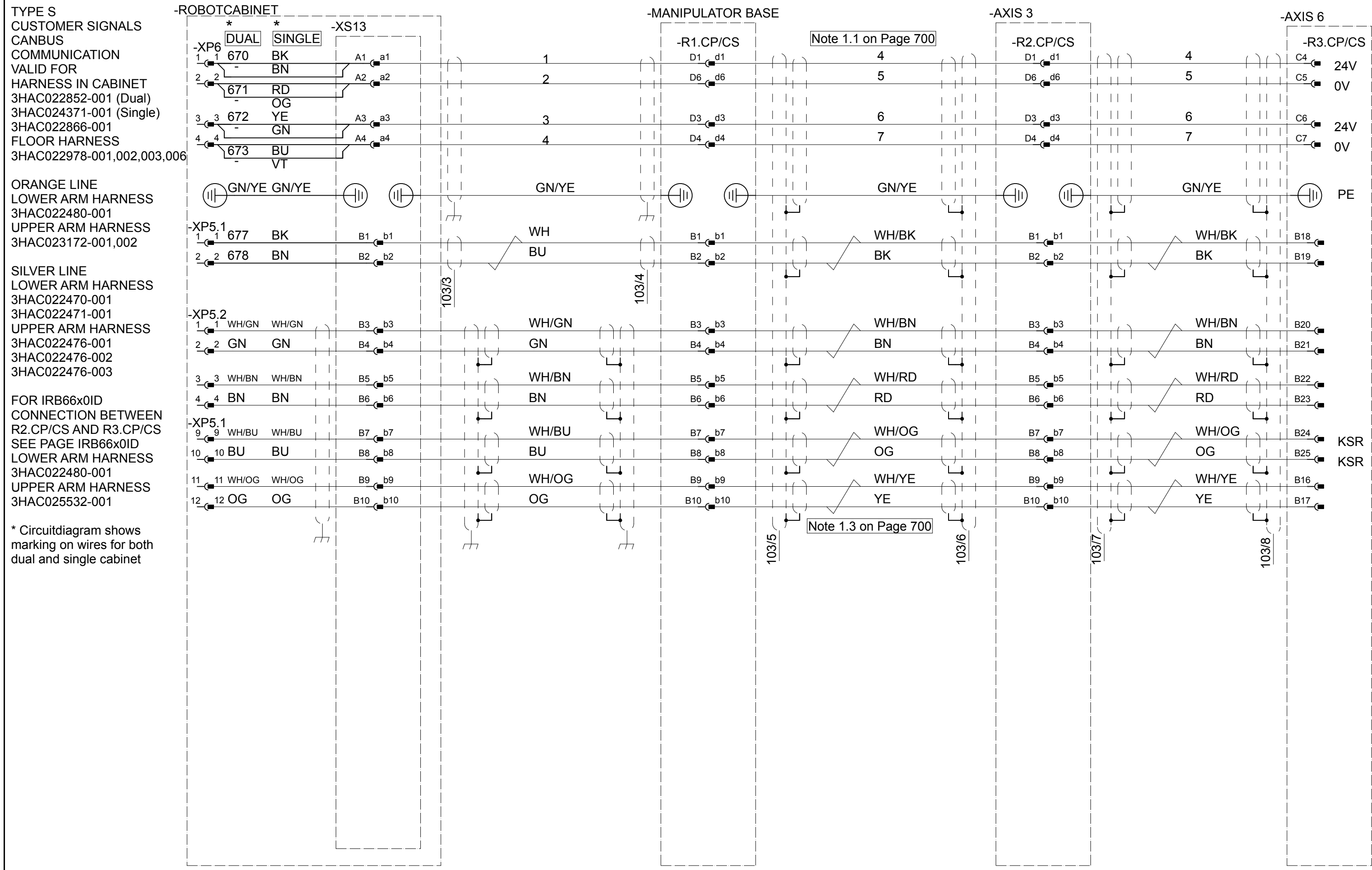
SILVER LINE
 LOWER ARM HARNESS
 3HAC022135-001
 3HAC022136-001
 UPPER ARM HARNESS
 3HAC022474-001
 3HAC022474-002
 3HAC022474-003

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022478-001
 UPPER ARM HARNESS
 3HAC025532-001

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet

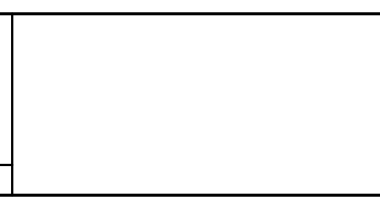
Latest revision: ECO 70147, WI 7698 Page 224-231: Adjusted, "Type Se" was "Type S" Page 316-321: Adjusted, "Type H" was "Type S"		Lab/Office: DMRO SE PRMP	IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5 CUSTOMER SIGNALS, PARALLEL TYPE S	Status: 2015-03-04 APPROVED Document no. 3HAC026209-001	Plant: = DP Location: + S Sublocation: + AX3 Rev. Ind 12 Page 101 Next 102 Total 98
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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



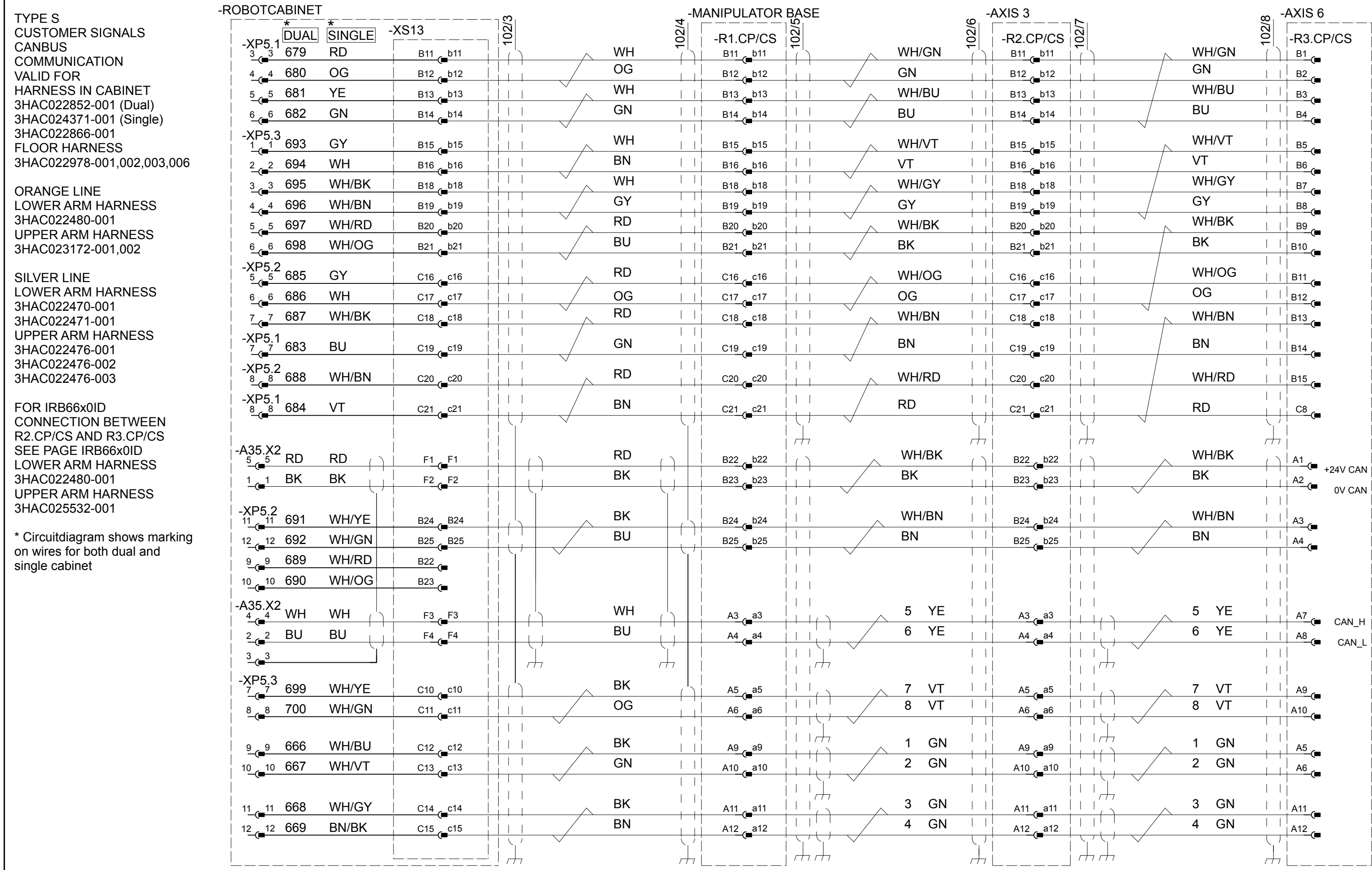
Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0iD IRB7600 IRC5
 CUSTOMER SIGNALS, CANBUS
 TYPE S

Status: 2015-03-04
 Plant: = DP
 Location: + S
 Sublocation: + AX3

APPROVED
 Document no. 3HAC026209-001
 Rev. Ind 12
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 Total 98

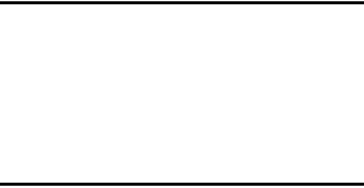
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* Circuitdiagram shows marking on wires for both dual and single cabinet

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 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"

Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, CANBUS

TYPE S

Status: 2015-03-04

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Document no.
 3HAC026209-001

Plant: = DP
 Location: + S
 Sublocation: + AX3

Rev. Ind
12

Page 103
 Next 104
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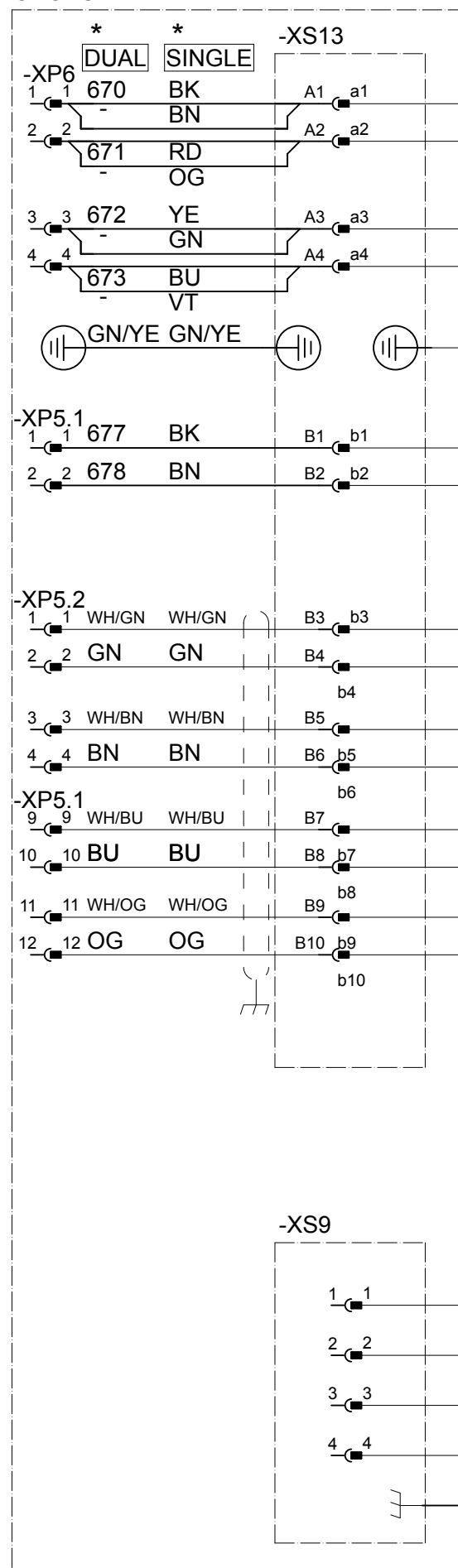
TYPE S
 CUSTOMER SIGNALS
 ETHERNET
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022867-001
 FLOOR HARNESS
 3HAC023024-001,002,003,
 006

ORANGE LINE
 LOWER ARM HARNESS
 3HAC034334-001
 UPPER ARM HARNESS
 3HAC023170-001,002

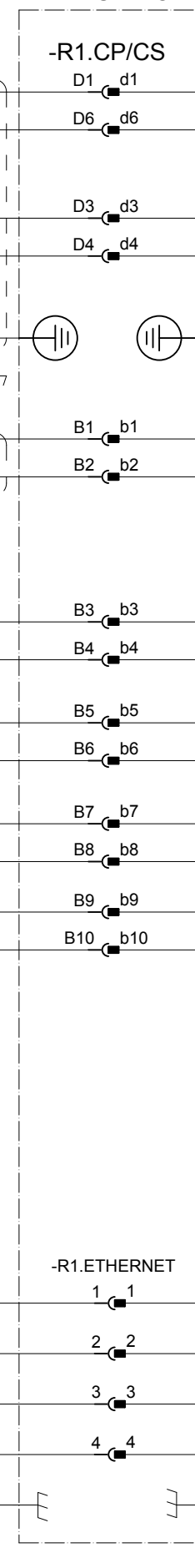
FOR IRB66X0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66X0ID
 LOWER ARM HARNESS
 3HAC034334-001

* Circuit diagram shows
 marking on wires for both
 dual and single cabinet

-ROBOTCABINET



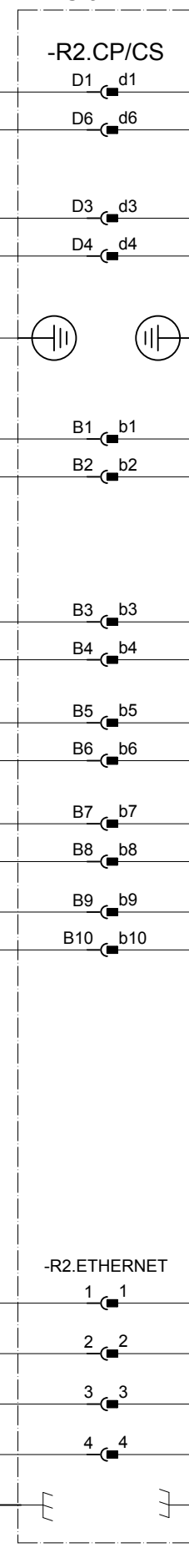
-MANIPULATOR BASE



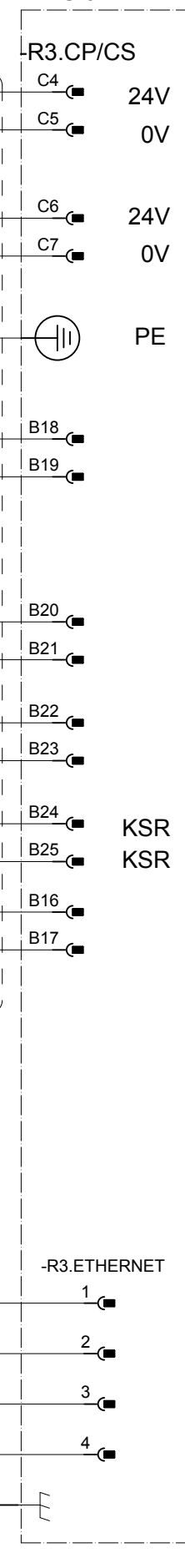
Note 1.1 on Page 700

Note 1.3 on Page 700

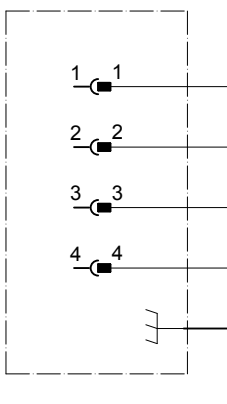
-AXIS 3



-AXIS 6



-XS9



Latest revision: ECO 70147, WI 7698
 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, ETHERNET
 TYPE S

Status: 2015-03-04

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Plant: = DP
 Location: + S
 Sublocation: + AX3

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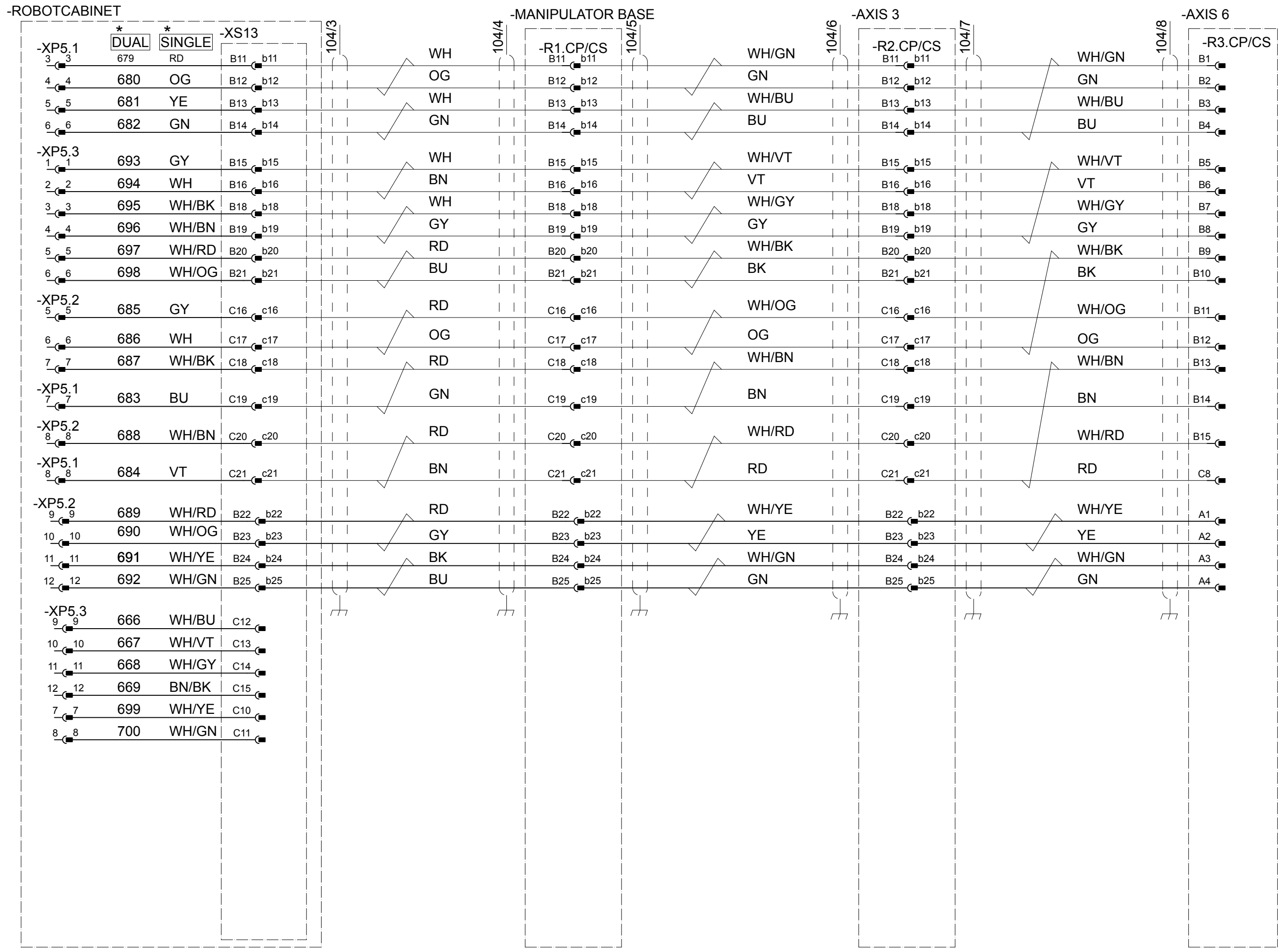
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TYPE S
 CUSTOMER SIGNALS
 ETHERNET
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022867-001
 FLOOR HARNESS
 3HAC023024-001,002,003,
 006

ORANGE LINE
 LOWER ARM HARNESS
 3HAC034334-001
 UPPER ARM HARNESS
 3HAC023170-001,002

FOR IRB66X0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66X00ID
 LOWER ARM HARNESS
 3HAC034334-001

* Circuit diagram shows
 marking on wires for both
 dual and single cabinet



Latest revision: ECO 70147, WI 7698
 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"

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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, ETHERNET
 TYPE S

Status: 2015-03-04
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 Document no.
 3HAC026209-001

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 Sublocation: + AX3

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TYPE S
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 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022868-001
 FLOOR HARNESS
 3HAC022988-001,002,003,006

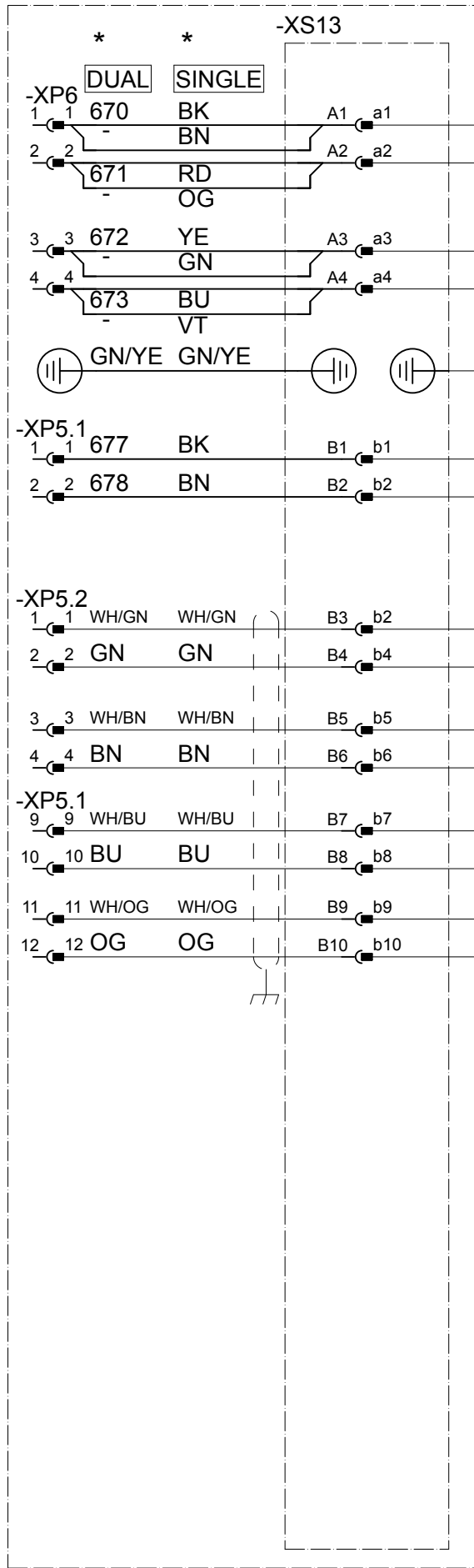
ORANGE LINE
 LOWER ARM HARNESS
 3HAC022480-001
 UPPER ARM HARNESS
 3HAC023172-001,002

SILVER LINE
 LOWER ARM HARNESS
 3HAC022470-001
 UPPER ARM HARNESS
 3HAC022471-001
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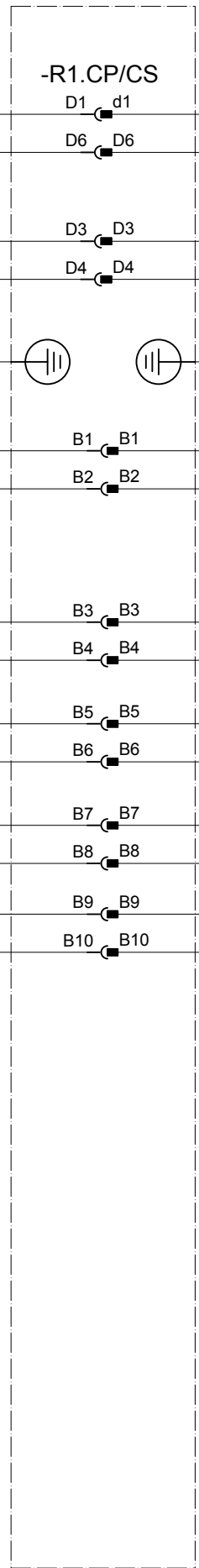
FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022480-001
 UPPER ARM HARNESS
 3HAC025532-001

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet

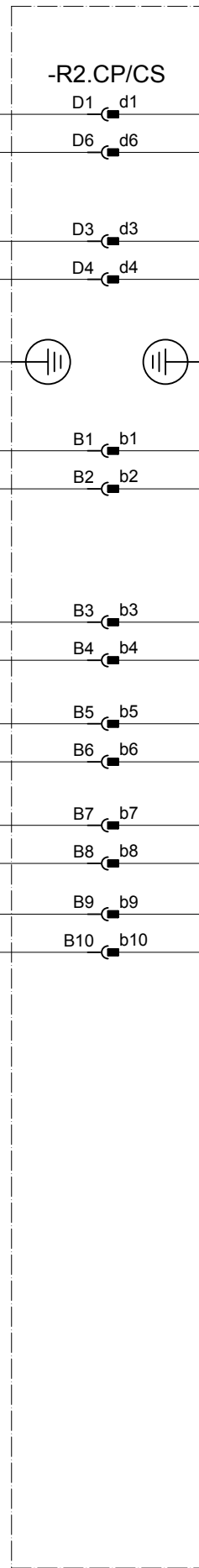
-ROBOTCABINET



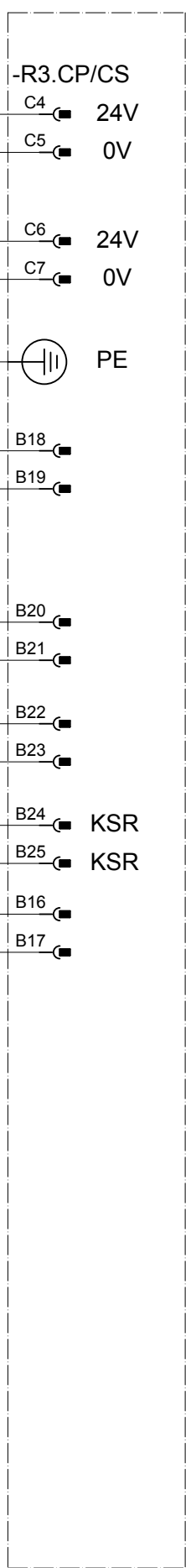
-MANIPULATOR BASE



-AXIS 3



-AXIS 6



Latest revision: ECO 70147, WI 7698
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CUSTOMER SIGNALS, PROFIBUS

TYPE S

Status: 2015-03-04

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Plant: = DP

Location: + S

Sublocation: + AX3

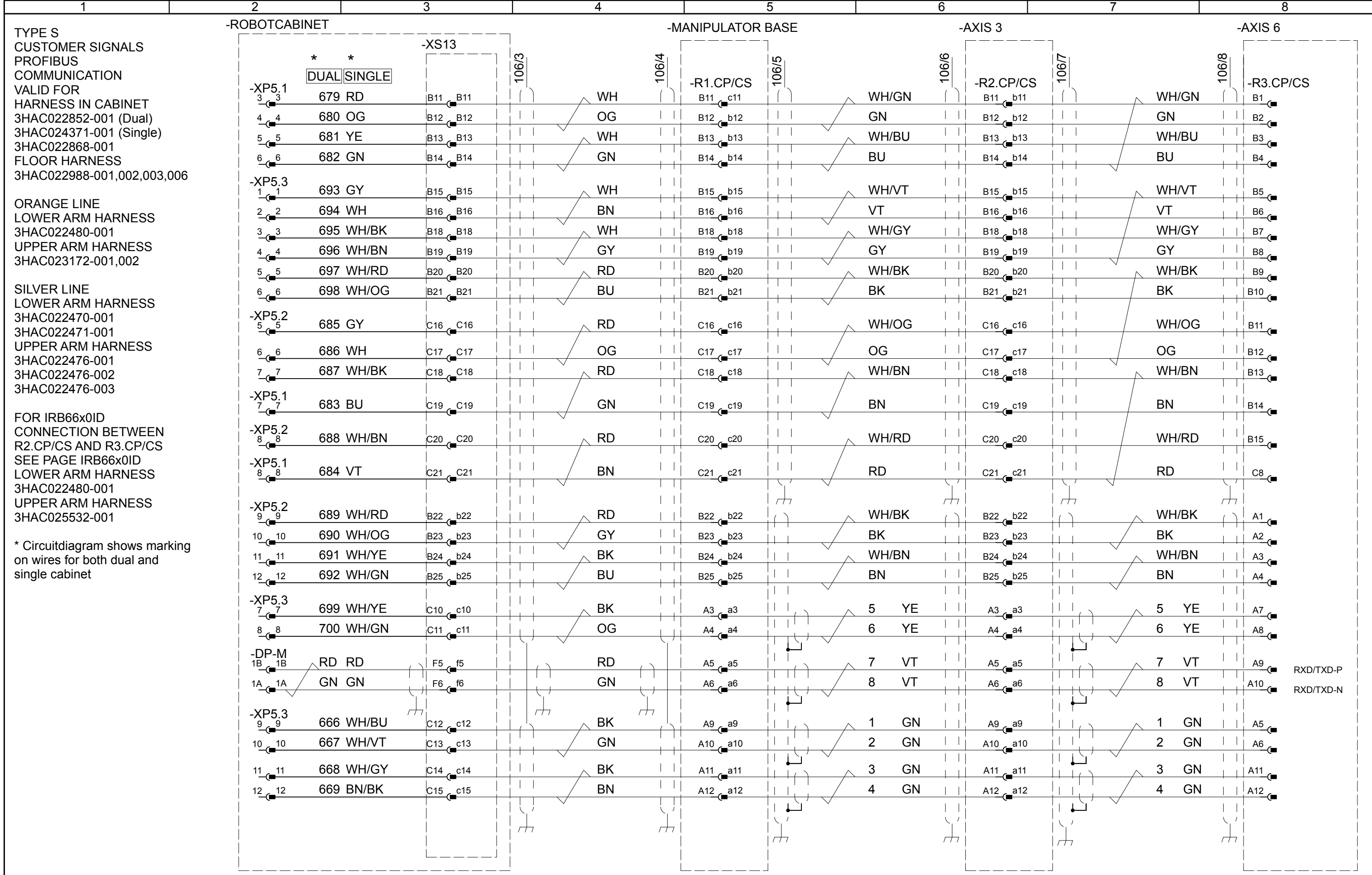
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12 Next 107

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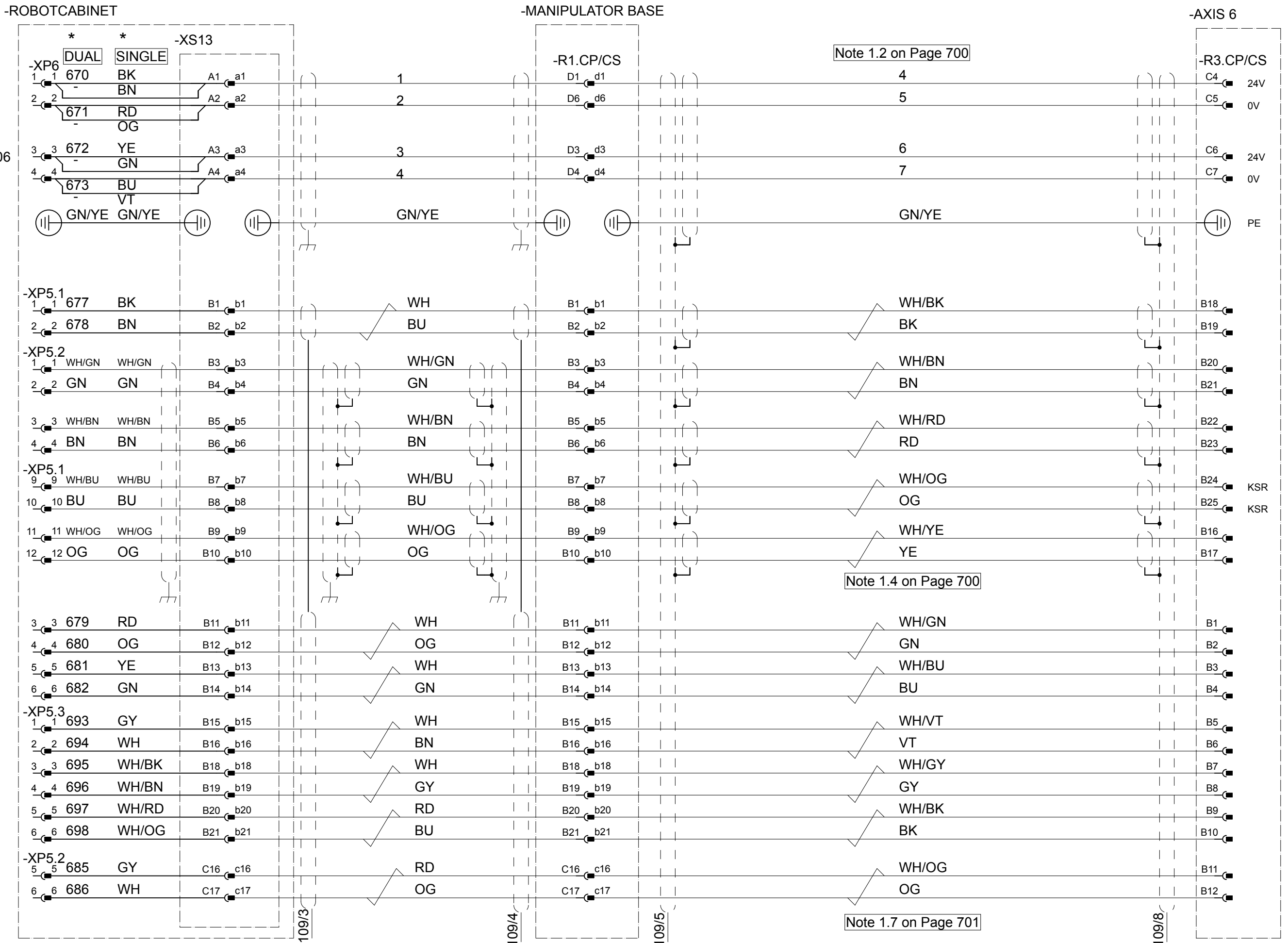


Latest revision: ECO 70147, WI 7698 Page 224-231: Adjusted, "Type Se" was "Type S" Page 316-321: Adjusted, "Type H" was "Type S"		Lab/Office: DMRO SE PRMP	IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5 CUSTOMER SIGNALS, PROFIBUS TYPE S	Status: 2015-03-04 APPROVED Document no. 3HAC026209-001	Plant: = DP Location: + S Sublocation: + AX3	Rev. Ind 12	Page 107 Next + (-)/10 Total 98
Prepared by, date: EM 2015-02-17	Approved by, date: JEN 2015-03-04						

TYPE S
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

ORANGE LINE
 LOWER/UPPER ARM
 HARNESS
 3HAC22486-001,002

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet



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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



Lab/Office:
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CUSTOMER SIGNALS, PARALLEL

TYPE S

Status: 2015-03-04

APPROVED

Document no.
 3HAC026209-001

Plant: = DP
 Location: + S
 Sublocation: + (-)

Rev. Ind
 12

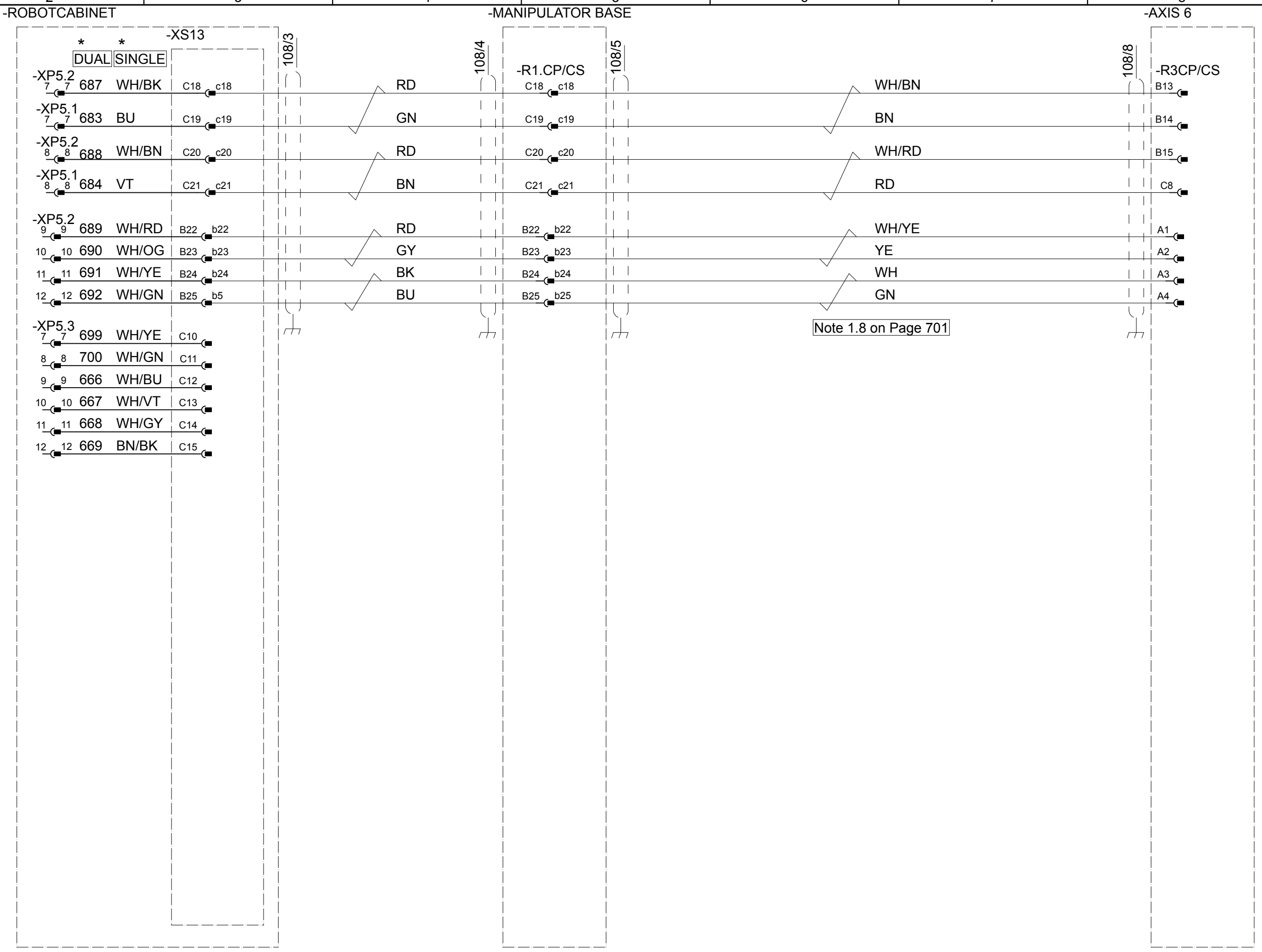
Page 108
 Next 109
 Total 98

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TYPE S
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

 ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC22486-001,002

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet



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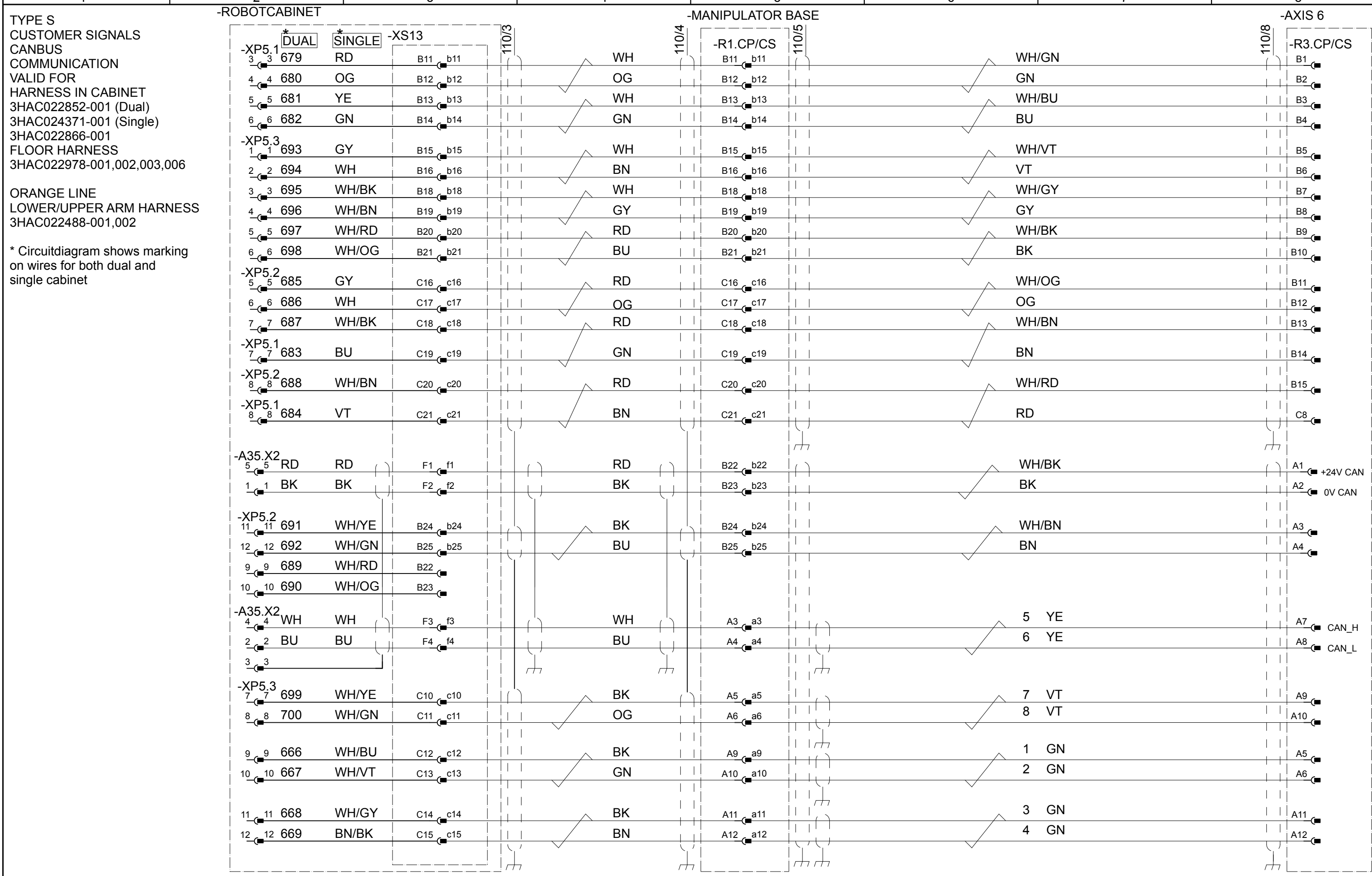
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PARALLEL
 TYPE S

Status: 2015-03-04
APPROVED
 Document no.
 3HAC026209-001

Plant: = DP
 Location: + S
 Sublocation: + (-)
 Rev. Ind **12**
 Page 109
 Next 110
 Total 98

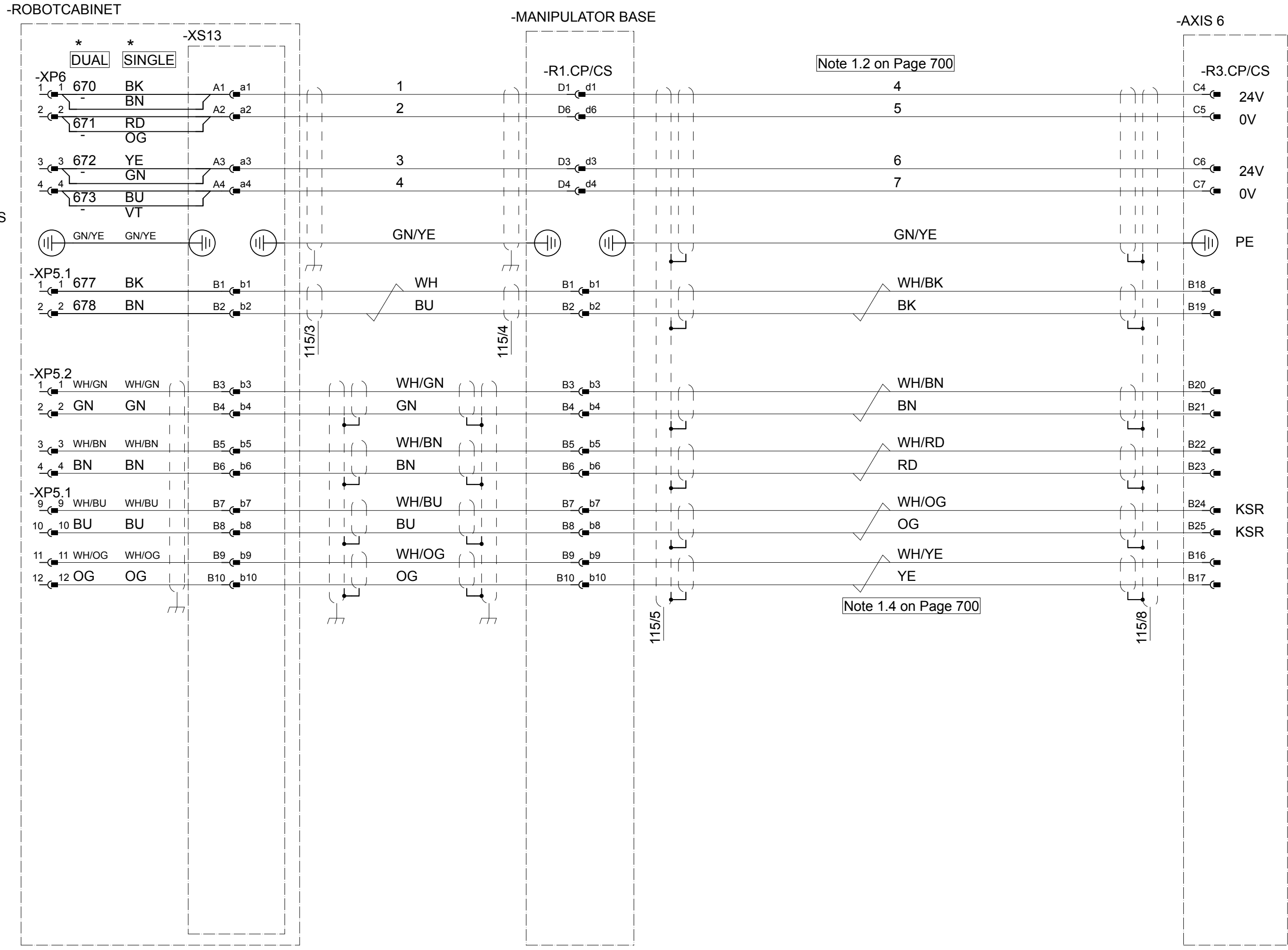
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TYPE S
 CUSTOMER SIGNALS
 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022868-001
 FLOOR HARNESS
 3HAC022988-001,002,003,006

ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022488-001,002

* Circuitdiagram shows marking on wires for both dual and single cabinet



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 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"

Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



Lab/Office:
 DMRO SE
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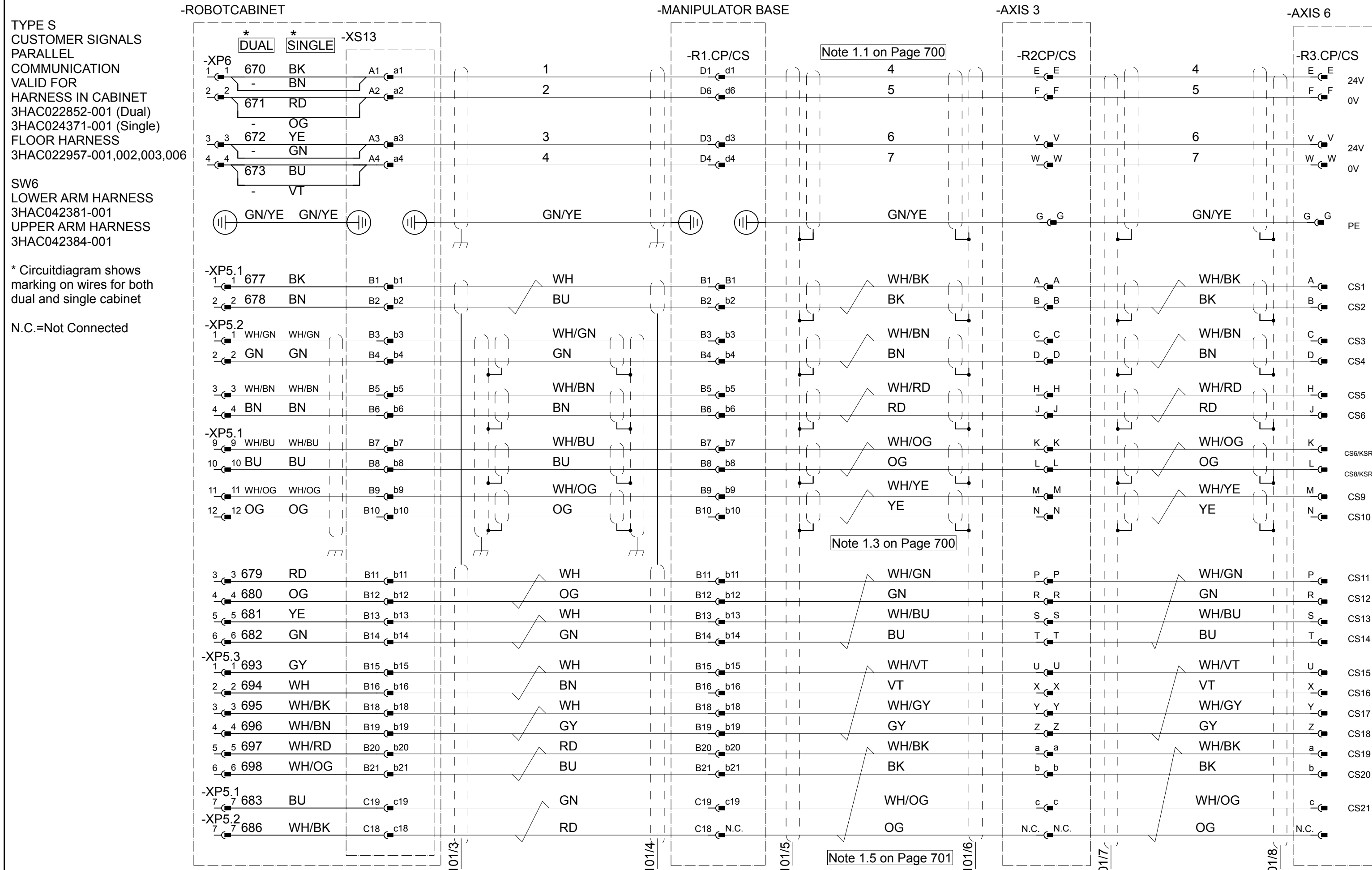
IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PROFIBUS
 TYPE S

Status: 2015-03-04
APPROVED
 Document no.
 3HAC026209-001

Plant: = DP
 Location: + S
 Sublocation: + (-)

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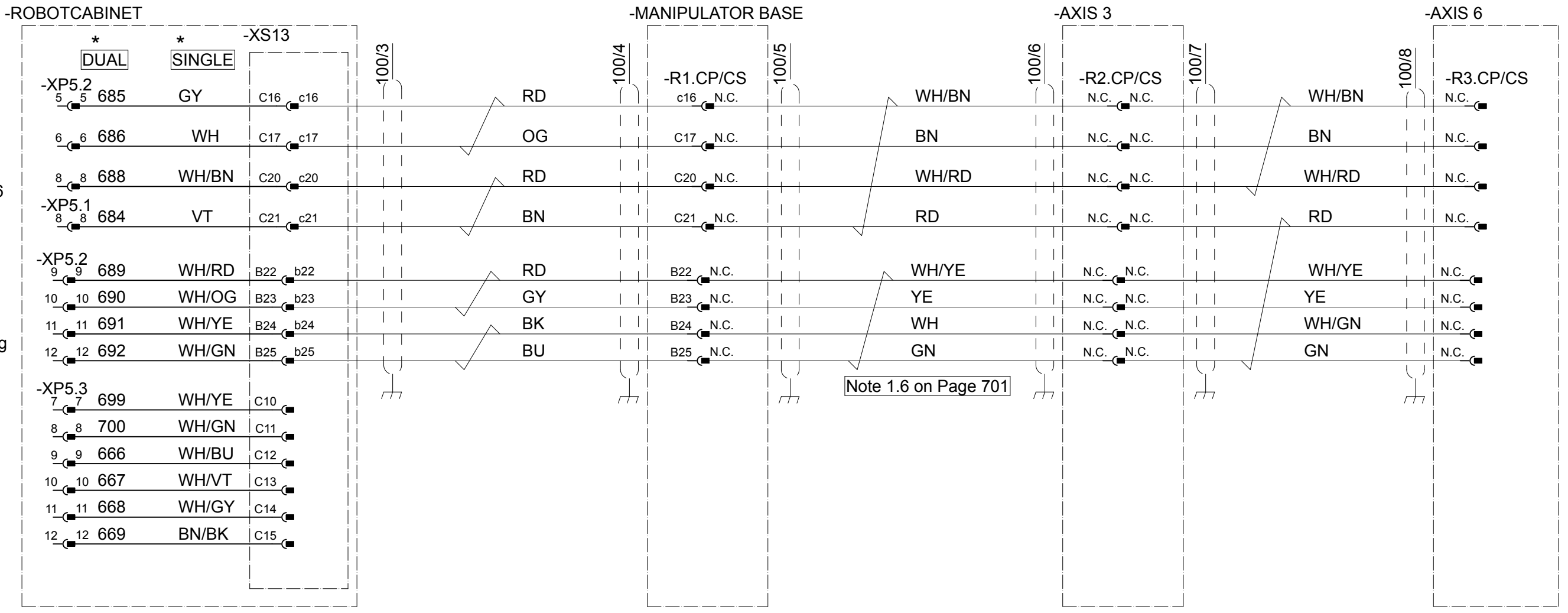


TYPE S
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

SW6
 LOWER ARM HARNESS
 3HAC042381-001
 UPPER ARM HARNESS
 3HAC042384-001

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet

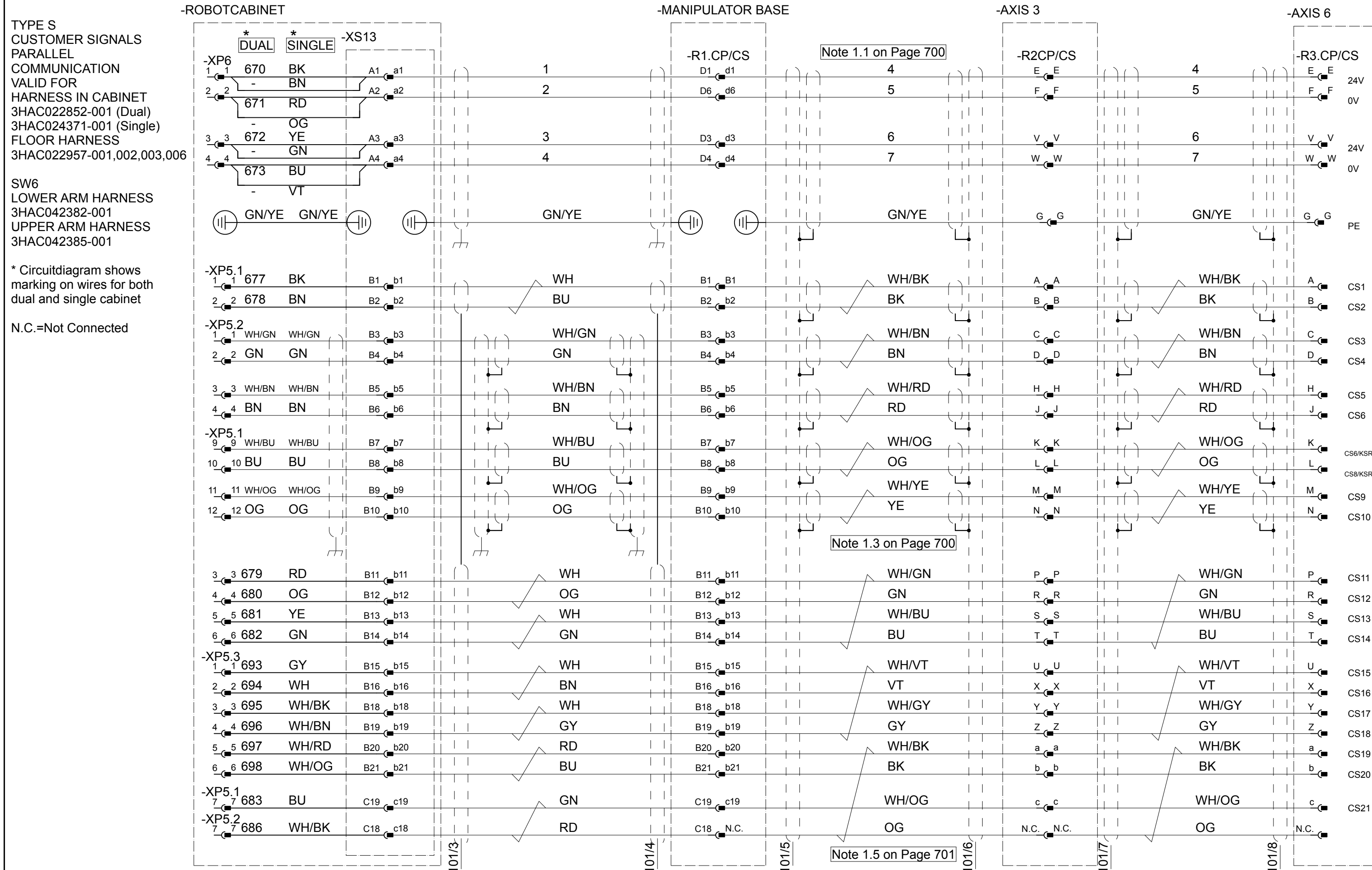
N.C.=Not Connected



Note 1.6 on Page 701

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TYPE S
CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
FLOOR HARNESS
3HAC022957-001,002,003,006

SW6
LOWER ARM HARNESS
3HAC042382-001
UPPER ARM HARNESS
3HAC042385-001

* Circuitdiagram shows marking on wires for both dual and single cabinet

N.C.=Not Connected

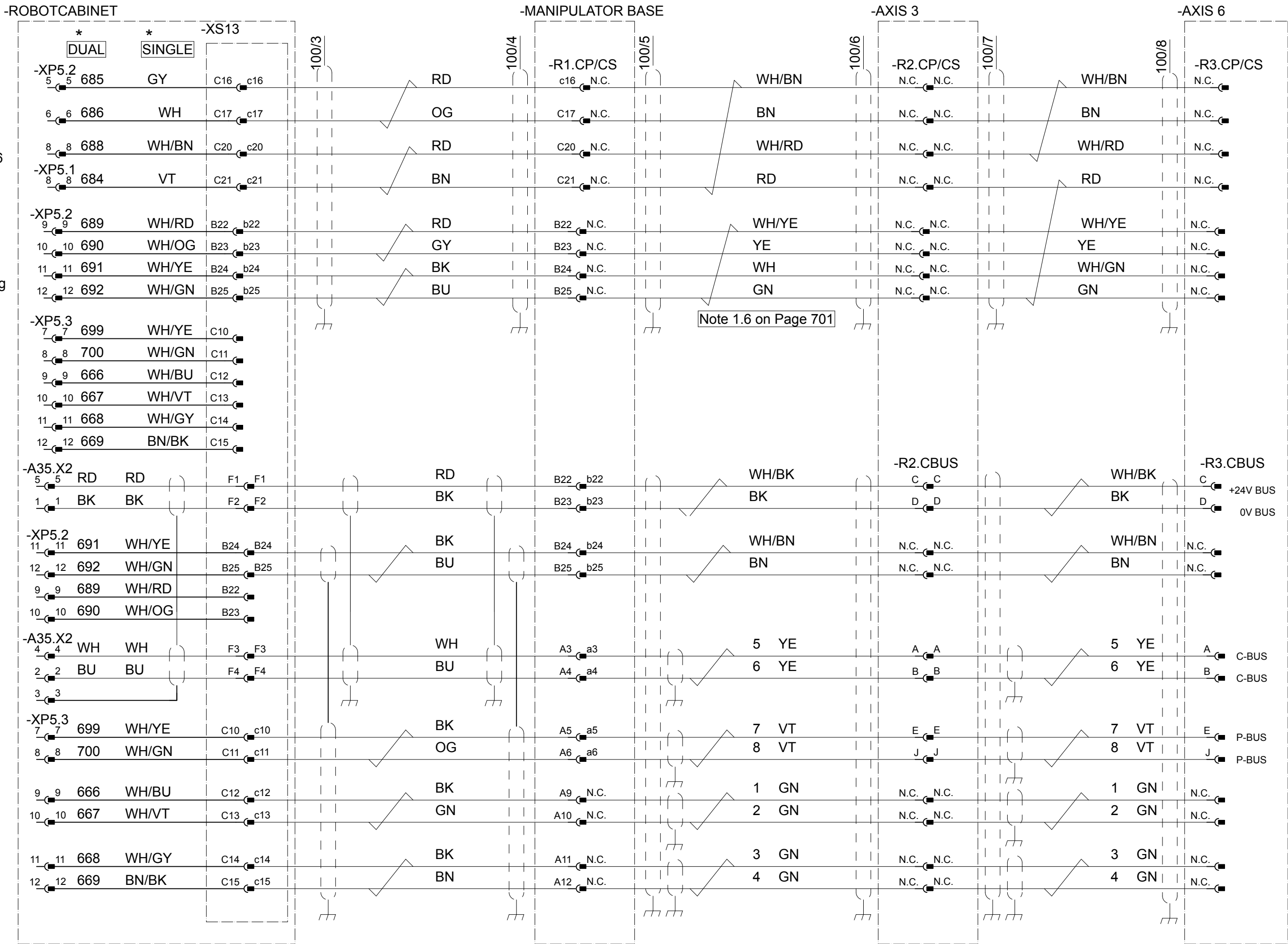
Latest revision: ECO 70147, WI 7698 Page 224-231: Adjusted, "Type Se" was "Type S" Page 316-321: Adjusted, "Type H" was "Type S"			Lab/Office: DMRO SE PRMP	IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5	Status: 2015-03-04 APPROVED	Plant: = DP Location: + S Sublocation: + AX3
Prepared by, date: EM 2015-02-17	Approved by, date: JEN 2015-03-04		CUSTOMER SIGNALS, CANBUS TYPE S	Document no. 3HAC026209-001	Rev. Ind 12	Page 118 Next 119 Total 98

TYPE S
CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
FLOOR HARNESS
3HAC022957-001,002,003,006

SW6
LOWER ARM HARNESS
3HAC042382-001
UPPER ARM HARNESS
3HAC042385-001

* Circuitdiagram shows marking
on wires for both dual and
single cabinet

N.C.=Not Connected



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Latest revision: ECO 70147, WI 7698
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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



Lab/Office:
DMRO SE
PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, CANBUS

TYPE S

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + S

Sublocation: + AX3

Rev. Ind

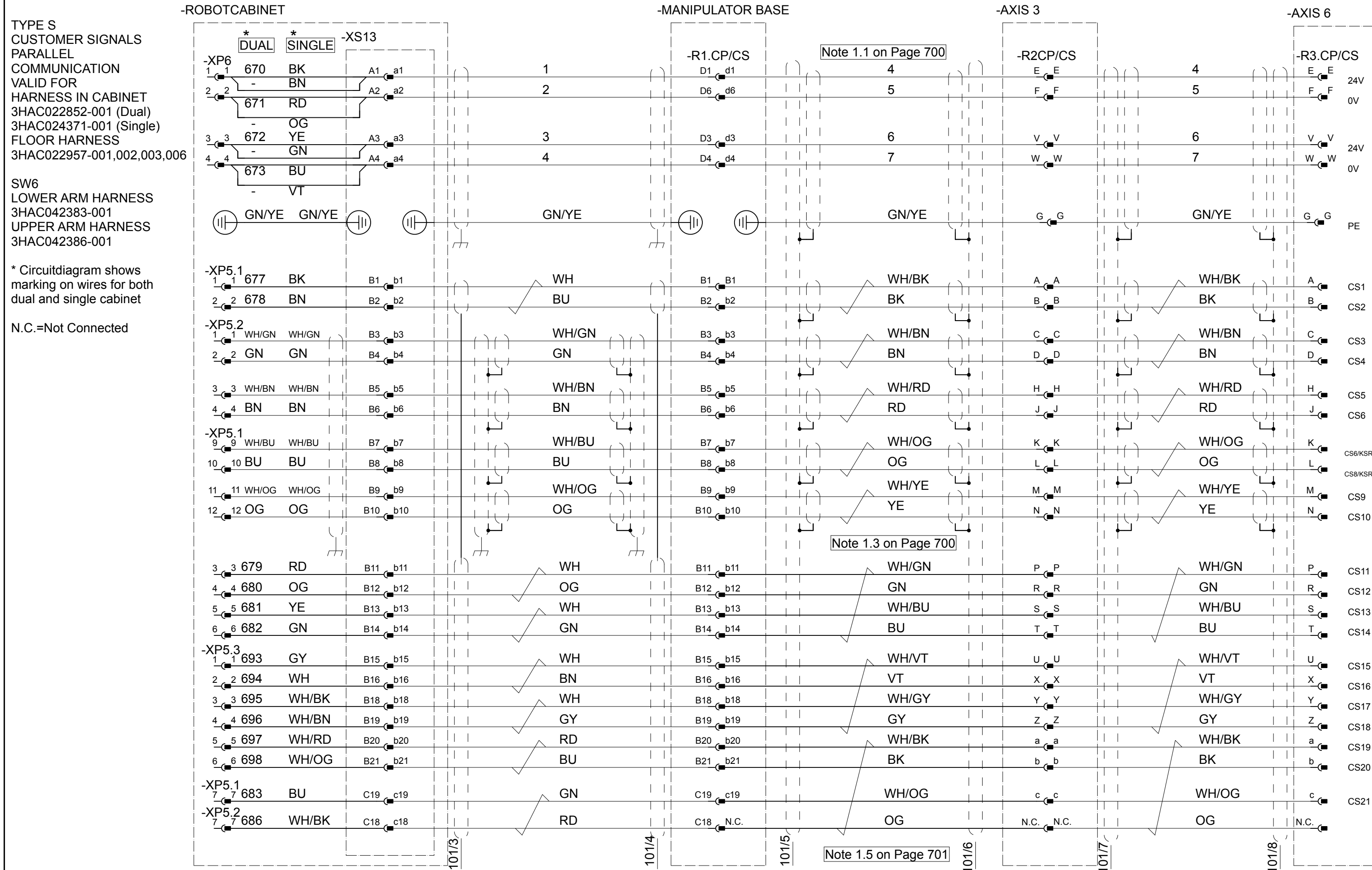
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Page 119

Next 120

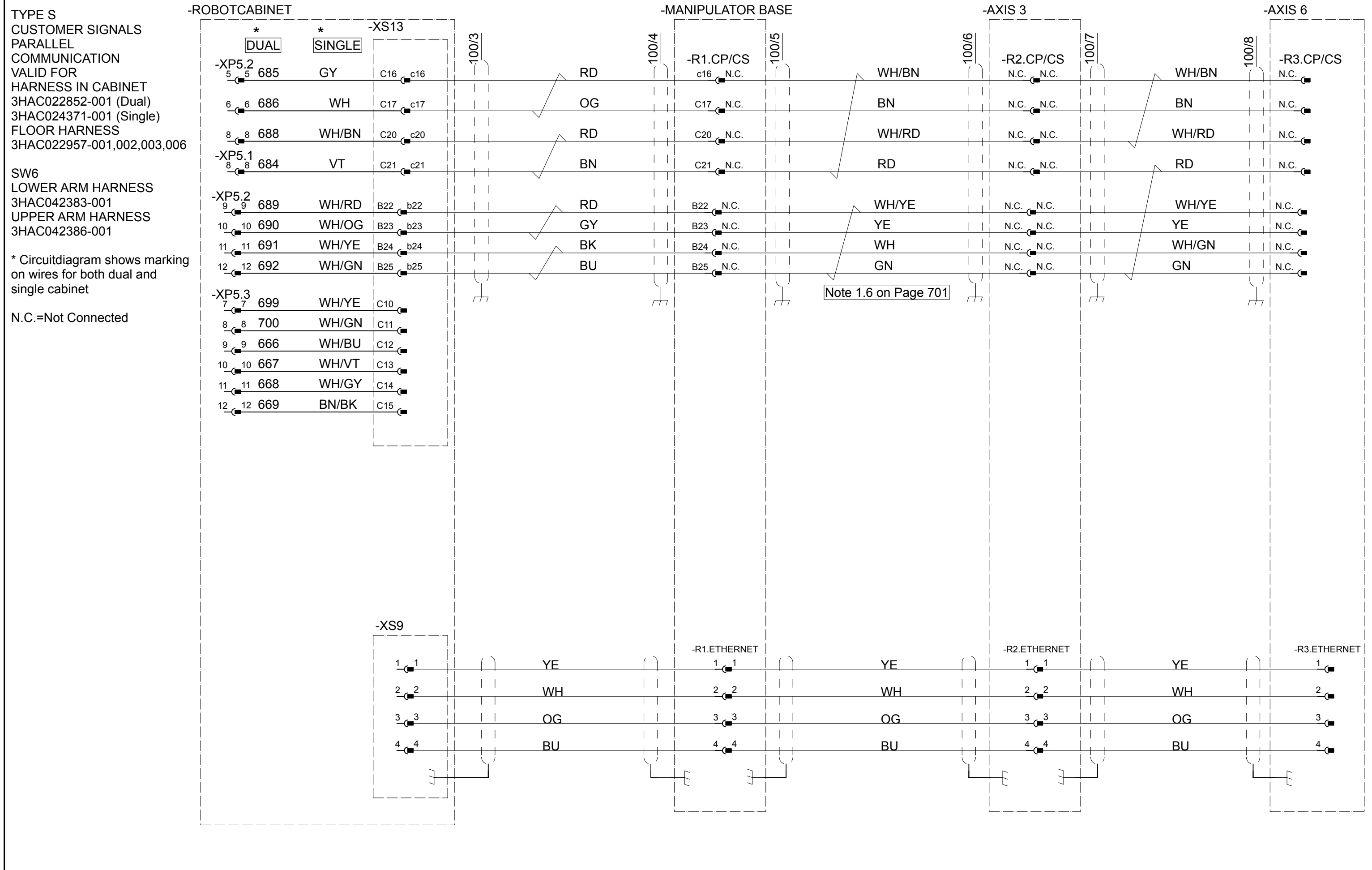
Total 98

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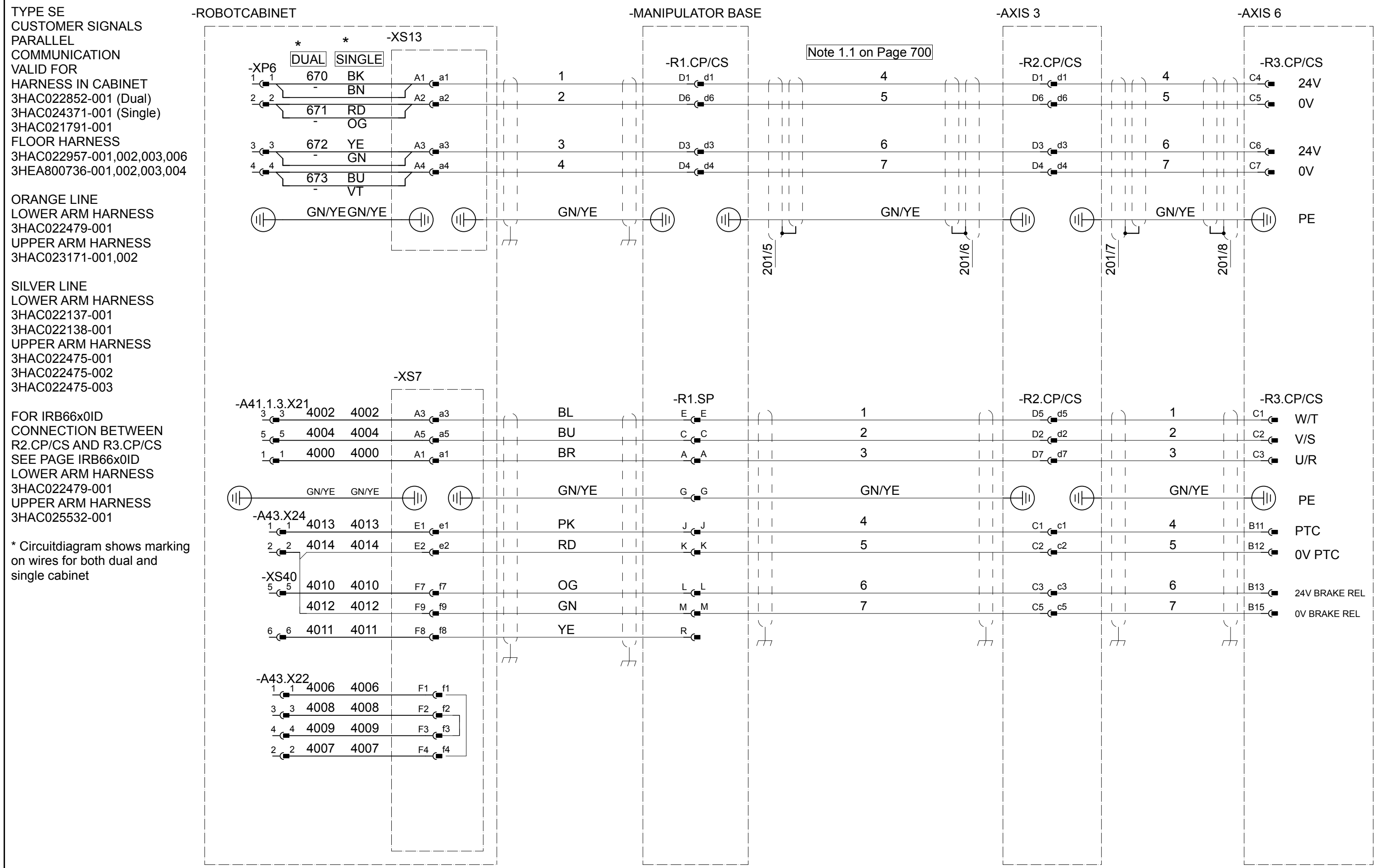


Latest revision: ECO 70147, WI 7698 Page 224-231: Adjusted, "Type Se" was "Type S" Page 316-321: Adjusted, "Type H" was "Type S"		Lab/Office: DMRO SE PRMP	IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5 CUSTOMER SIGNALS, ETHERNET TYPE S	Status: 2015-03-04 APPROVED Document no. 3HAC026209-001	Plant: = DP Location: + S Sublocation: + AX3	Rev. Ind 12	Page 120 Next 121 Total 98
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Latest revision: ECO 70147, WI 7698
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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04

ABB Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PARALLEL
 TYPE Se

Status: 2015-03-04
APPROVED
 Document no. 3HAC026209-001
 Plant: = DP
 Location: + Se
 Sublocation: + AX3
 Rev. Ind **12**
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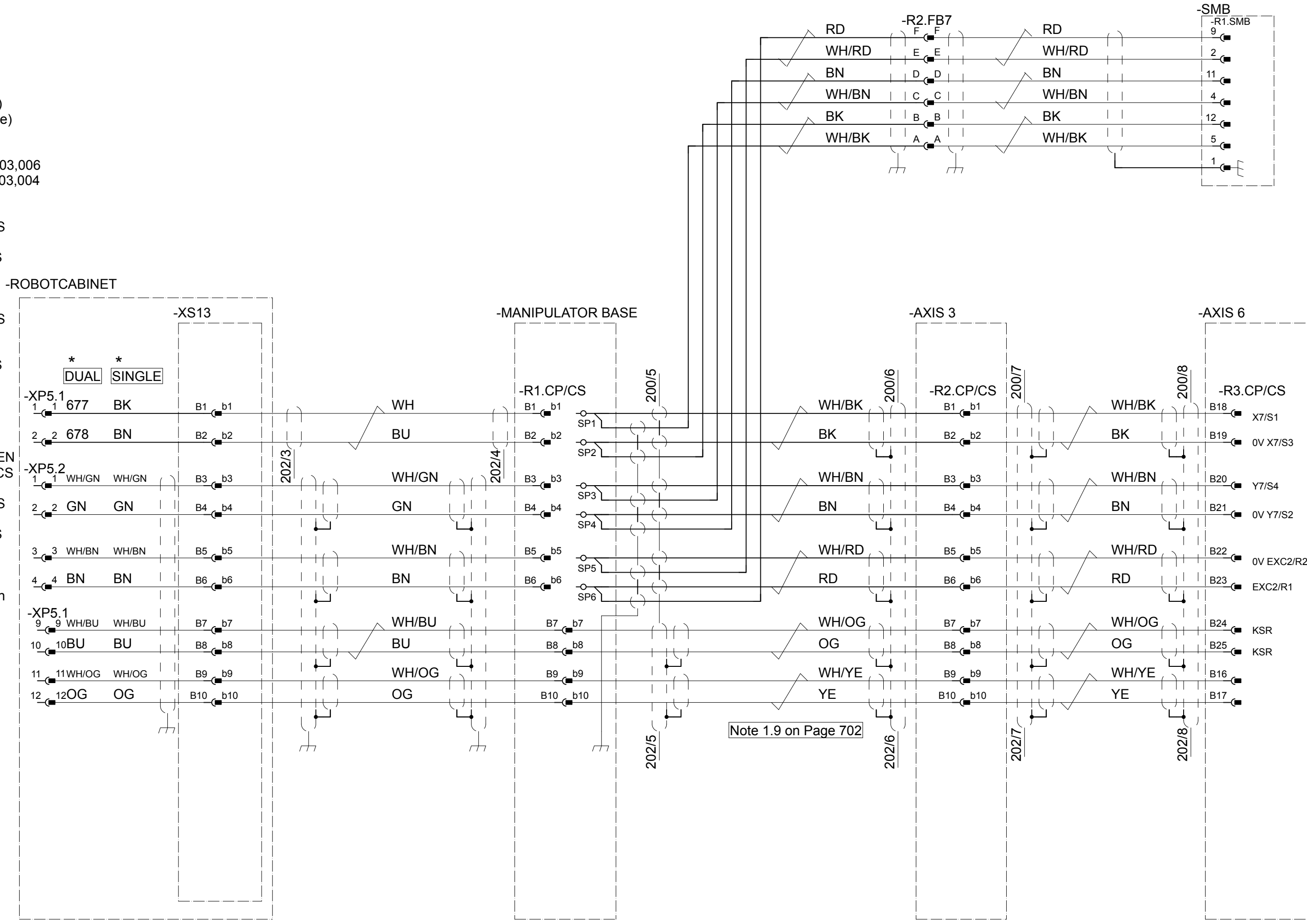
TYPE SE
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 FLOOR HARNESS
 3HAC022957-001,002,003,006
 3HEA800736-001,002,003,004

ORANGE LINE
 LOWER ARM HARNESS
 3HAC022479-001
 UPPER ARM HARNESS
 3HAC023171-001,002

SILVER LINE
 LOWER ARM HARNESS
 3HAC022137-001
 3HAC022138-001
 UPPER ARM HARNESS
 3HAC022475-001
 3HAC022475-002
 3HAC022475-003

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022479-001
 UPPER ARM HARNESS
 3HAC025532-001

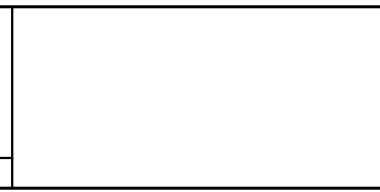
* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet



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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PARALLEL
 TYPE Se

Status: 2015-03-04
 Plant: = DP
 Location: + Se
 Sublocation: + AX3

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Document no. 3HAC026209-001 | Rev. Ind 12 | Page 201 | Next 202 | Total 98

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TYPE SE
CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
3HAC021791-001
FLOOR HARNESS
3HAC022957-001,002,003,006
3HEA800736-001,002,003,004

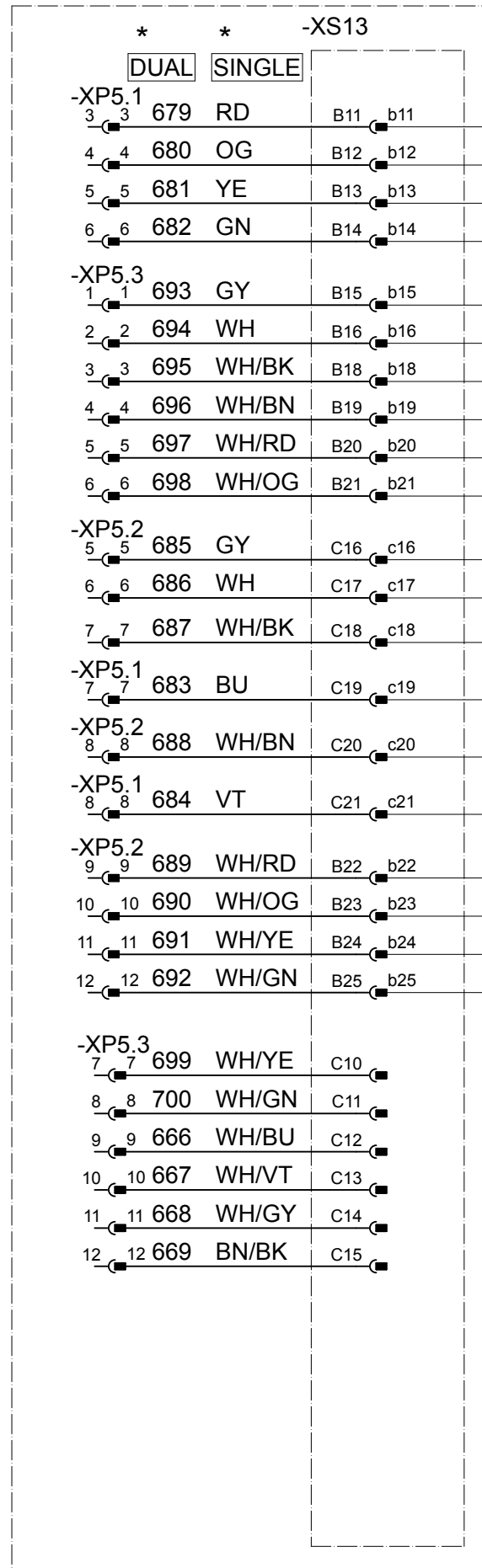
ORANGE LINE
LOWER ARM HARNESS
3HAC022479-001
UPPER ARM HARNESS
3HAC023171-001,002

SILVER LINE
LOWER ARM HARNESS
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3HAC022138-001
UPPER ARM HARNESS
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3HAC022475-003

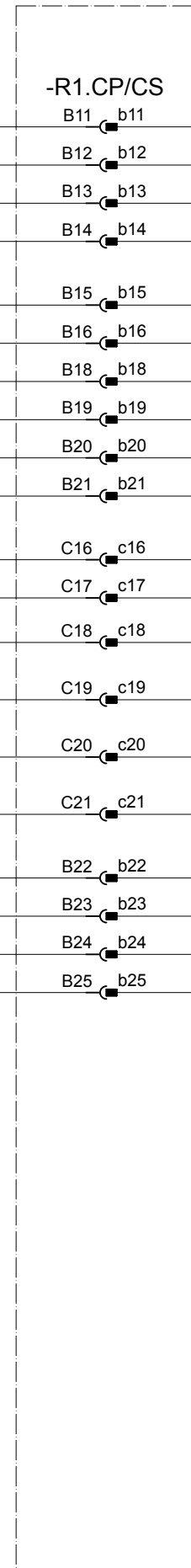
FOR IRB66x0ID
CONNECTION BETWEEN
R2.CP/CS AND R3.CP/CS
SEE PAGE IRB66x0ID
LOWER ARM HARNESS
3HAC022479-001
UPPER ARM HARNESS
3HAC025532-001

* Circuitdiagram shows marking
on wires for both dual and
single cabinet

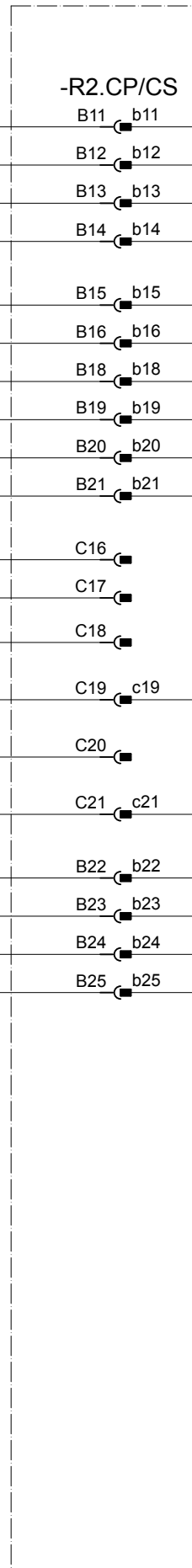
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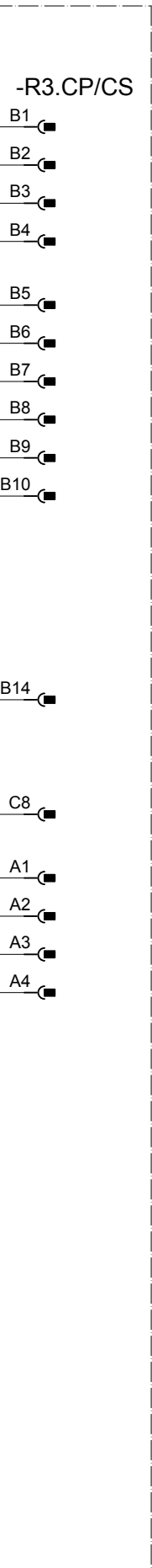
-MANIPULATOR BASE



-AXIS 3



-AXIS 6



Note 1.10 on Page 702

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Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PARALLEL

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + Se

Sublocation: + AX3

Rev. Ind

12

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Total 98

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TYPE SE
CUSTOMER SIGNALS
CANBUS
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
3HAC021791-001
3HAC022866-001
FLOOR HARNESS
3HAC022978-001,002,003,006
3HEA800736-001,002,003,004

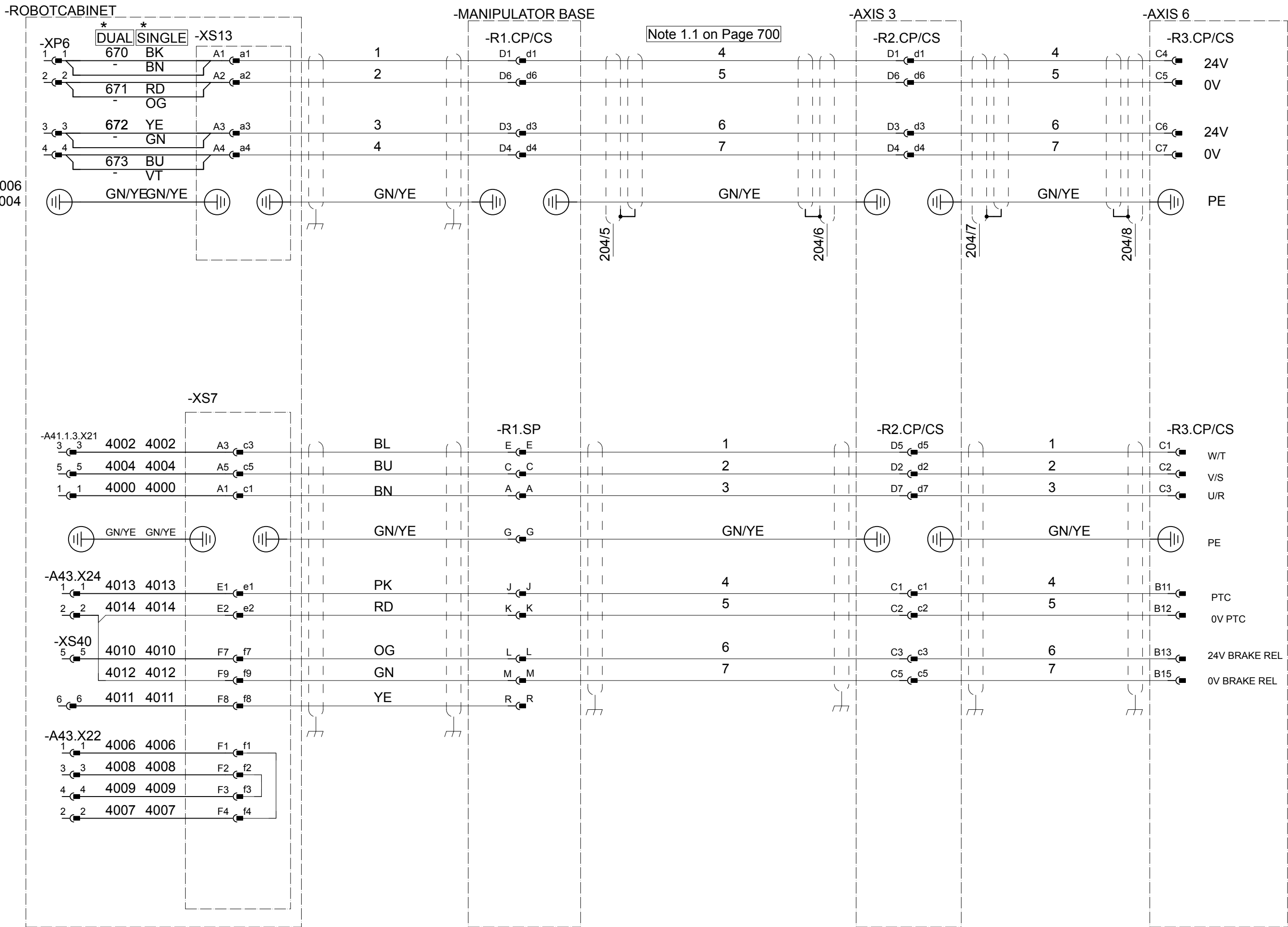
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LOWER ARM HARNESS
3HAC022481-001
UPPER ARM HARNESS
3HAC023173-001,002

SILVER LINE
LOWER ARM HARNESS
3HAC022472-001
3HAC022473-001
UPPER ARM HARNESS
3HAC022477-001
3HAC022477-002
3HAC022477-003

FOR IRB66x0ID
CONNECTION BETWEEN
R2.CP/CS AND R3.CP/CS
SEE PAGE IRB66x0ID
LOWER ARM HARNESS
3HAC022481-001
UPPER ARM HARNESS
3HAC025532-001

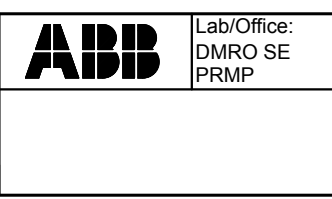
IRB6660
LOWER ARM HARNESS
3HAC027105-001

* Circuitdiagram shows
marking on wires for both
dual and single cabinet



Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"

Prepared by, date: EM 2015-02-17
Approved by, date: JEN 2015-03-04



IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
CUSTOMER SIGNALS, CANBUS
TYPE Se

Status: 2015-03-04
Plant: = DP
Location: + Se
Sublocation: + AX3

APPROVED
Document no. 3HAC026209-001
Rev. Ind 12
Page 203
Next 204
Total 98

TYPE SE
 CUSTOMER SIGNALS
 CANBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022866-001
 FLOOR HARNESS
 3HAC022978-001,002,003,006
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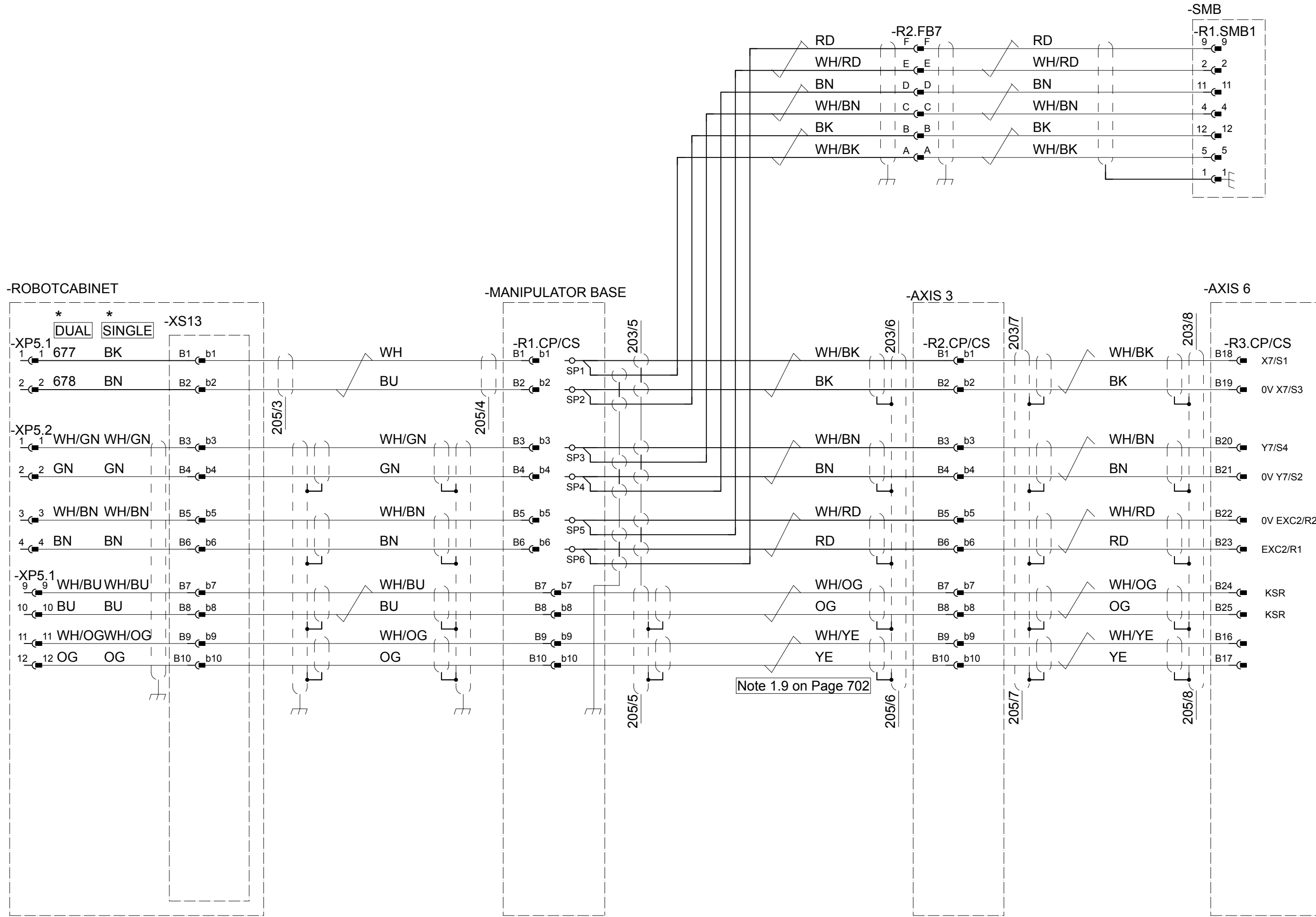
ORANGE LINE
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
 3HAC023173-001,002

SILVER LINE
 LOWER ARM HARNESS
 3HAC022472-001
 3HAC022473-001
 UPPER ARM HARNESS
 3HAC022477-001
 3HAC022477-002
 3HAC022477-003

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
 3HAC025532-001

IRB6660
 LOWER ARM HARNESS
 3HAC027105-001

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, CANBUS
 TYPE Se

Status: 2015-03-04
APPROVED
 Document no.
 3HAC026209-001

Plant: = DP
 Location: + Se
 Sublocation: + AX3

Rev. Ind Page204
12 Next 205
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TYPE SE
 CUSTOMER SIGNALS
 CANBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022866-001
 FLOOR HARNESS
 3HAC022978-001,002,003,006
 3HEA800736-001,002,003,004

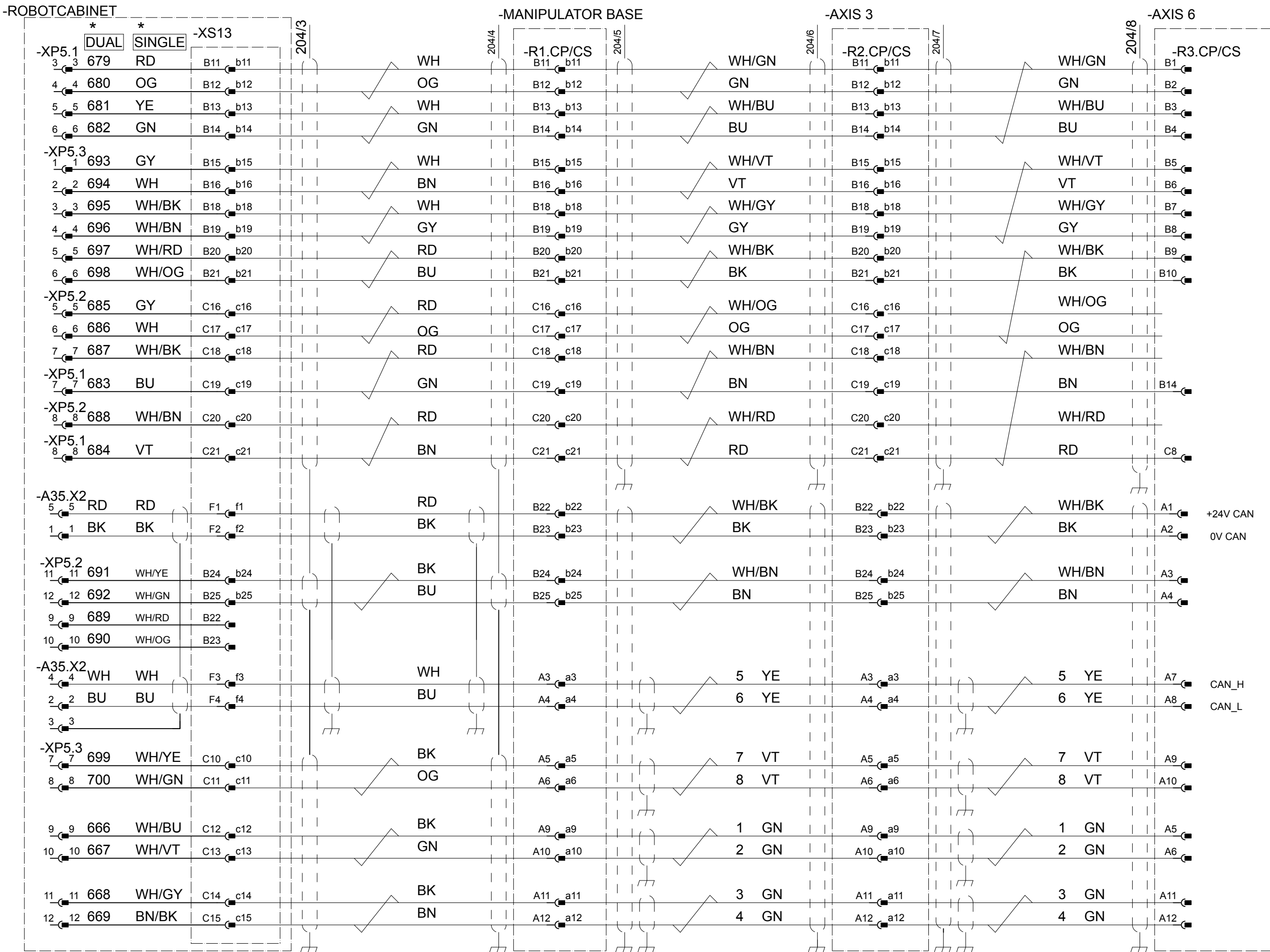
ORANGE LINE
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
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SILVER LINE
 LOWER ARM HARNESS
 3HAC022472-001
 3HAC022473-001
 UPPER ARM HARNESS
 3HAC022477-001
 3HAC022477-002
 3HAC022477-003

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
 3HAC025532-001

IRB6660
 LOWER ARM HARNESS
 3HAC027105-001

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet



Latest revision: ECO 70147, WI 7698
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 Page 316-321: Adjusted, "Type H" was "Type S"



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 118
 TYPE Se

Status: 2015-03-04
APPROVED

Plant: = DP
 Location: + Se
 Sublocation: + AX3

Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04

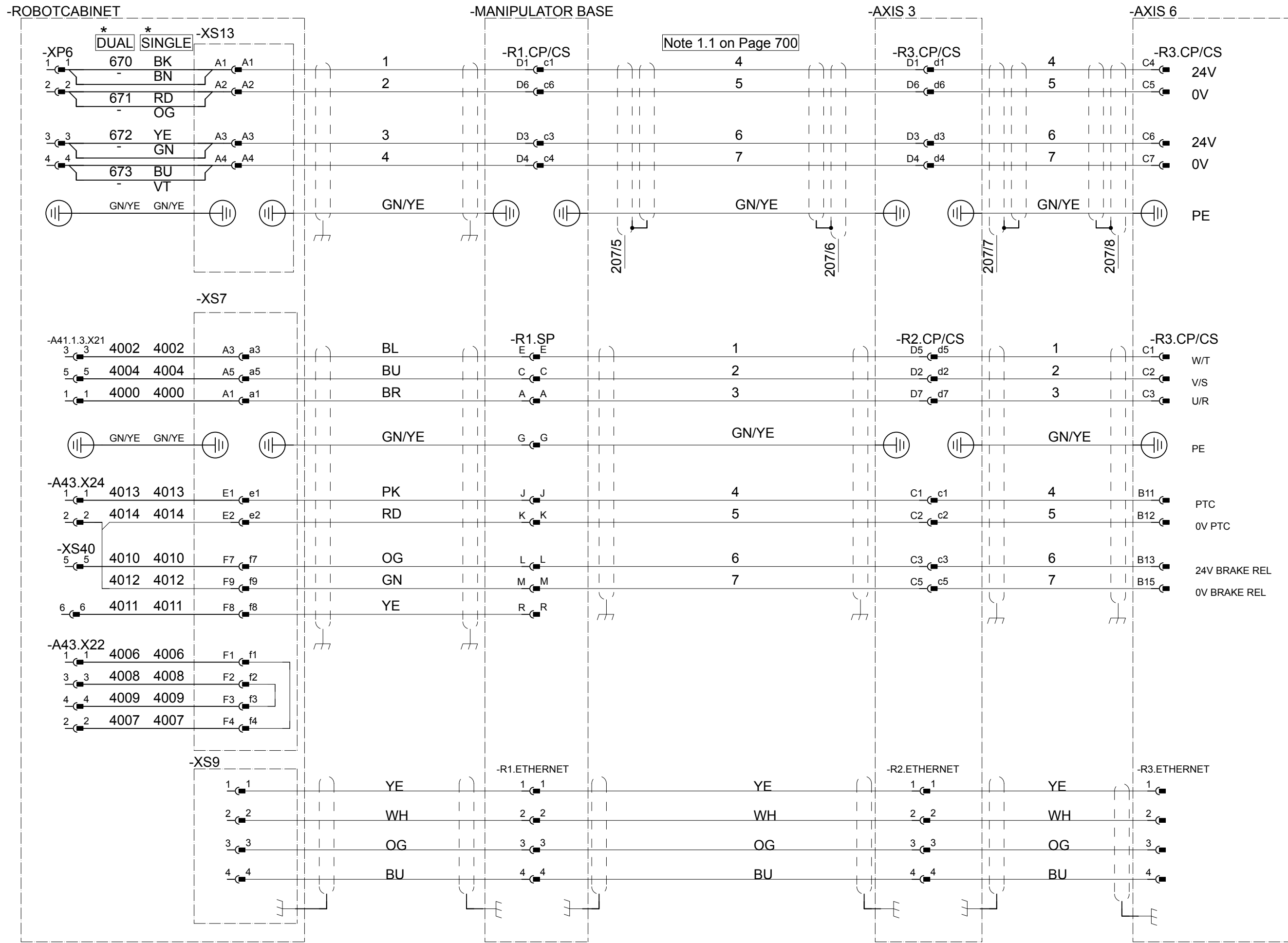
Document no. | Rev. Ind | Page 205
 | 12 | Next 206
 | | Total 98

TYPE S
 CUSTOMER SIGNALS
 ETHERNET
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022867-001
 FLOOR HARNESS
 3HAC023024-001,002,003,006
 3HEA800736-001,002,003,004

ORANGE LINE
 LOWER ARM HARNESS
 3HAC034335-001
 UPPER ARM HARNESS
 3HAC023171-001,002

FOR IRB66X0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66X00ID
 LOWER ARM HARNESS
 3HAC034335-001

* Circuit diagram shows
 marking on wires for both
 dual and single cabinet



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 Prepared by, date: EM 2015-02-17
 Approved by, date: JEN 2015-03-04



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 119
 TYPE Se

Status: 2015-03-04
APPROVED
 Document no.

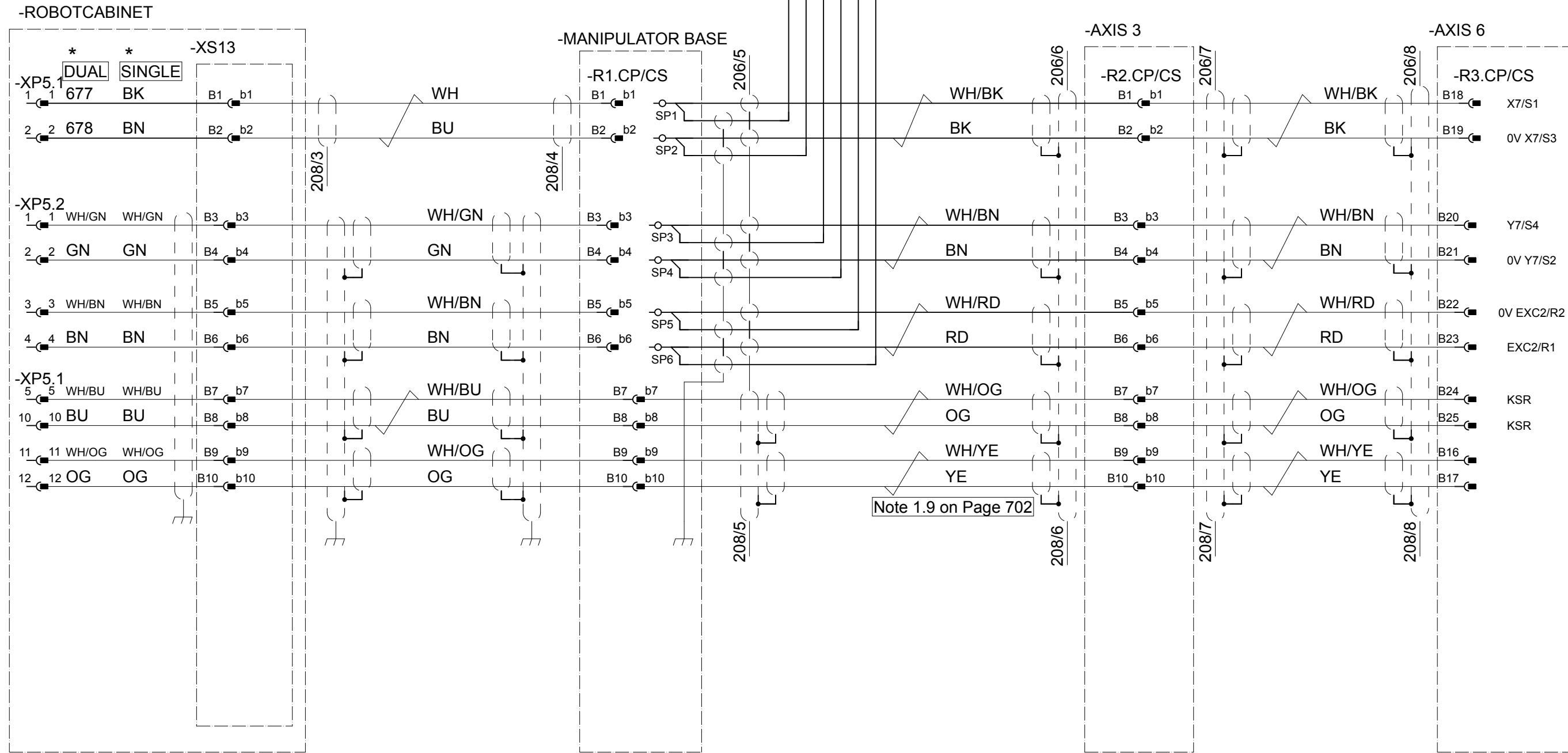
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 Location: + Se
 Sublocation: + AX3
 Rev. Ind Page206
12 Next 207
 Total 98

TYPE S
 CUSTOMER SIGNALS
 ETHERNET
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022867-001
 FLOOR HARNESS
 3HAC023024-001,002,003,006
 3HEA800736-001,002,003,004

ORANGE LINE
 LOWER ARM HARNESS
 3HAC034335-001
 UPPER ARM HARNESS
 3HAC023171-001,002

FOR IRB66X0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66X00ID
 LOWER ARM HARNESS
 3HAC034335-001

* Circuit diagram shows
 marking on wires for both
 dual and single cabinet



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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



Lab/Office:
 DMRO SE
 PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, ETHERNET

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

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 Sublocation: + AX3

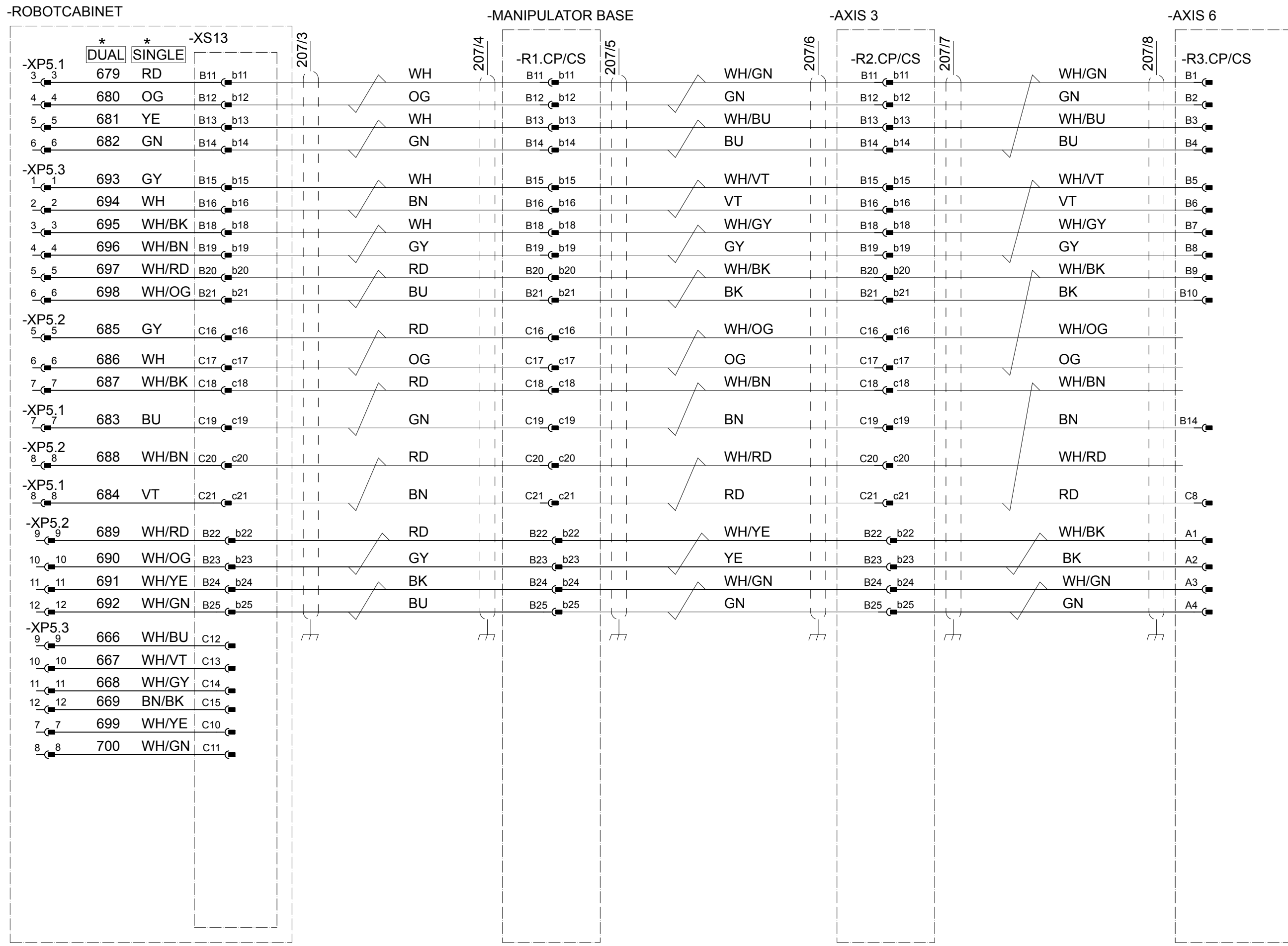
Rev. Ind Page207
 12 Next 208
 Total 98

TYPE S
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 ETHERNET
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022867-001
 FLOOR HARNESS
 3HAC023024-001,002,003,006
 3HEA800736-001,002,003,004

ORANGE LINE
 LOWER ARM HARNESS
 3HAC034335-001
 UPPER ARM HARNESS
 3HAC023171-001,002

FOR IRB66X0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66X00ID
 LOWER ARM HARNESS
 3HAC034335-001

* Circuit diagram shows
 marking on wires for both
 dual and single cabinet



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 Approved by, date: JEN 2015-03-04



Lab/Office:
 DMRO SE
 PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, ETHERNET
 TYPE Se

Status: 2015-03-04
 Plant: = DP
 Location: + Se
 Sublocation: + AX3
APPROVED
 Document no. 3HAC026209-001
 Rev. Ind 12
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 Next 209
 Total 98

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TYPE SE
 CUSTOMER SIGNALS
 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022868-001
 FLOOR HARNESS
 3HAC022988-001,002,003,006
 3HEA800736-001,002,003,004

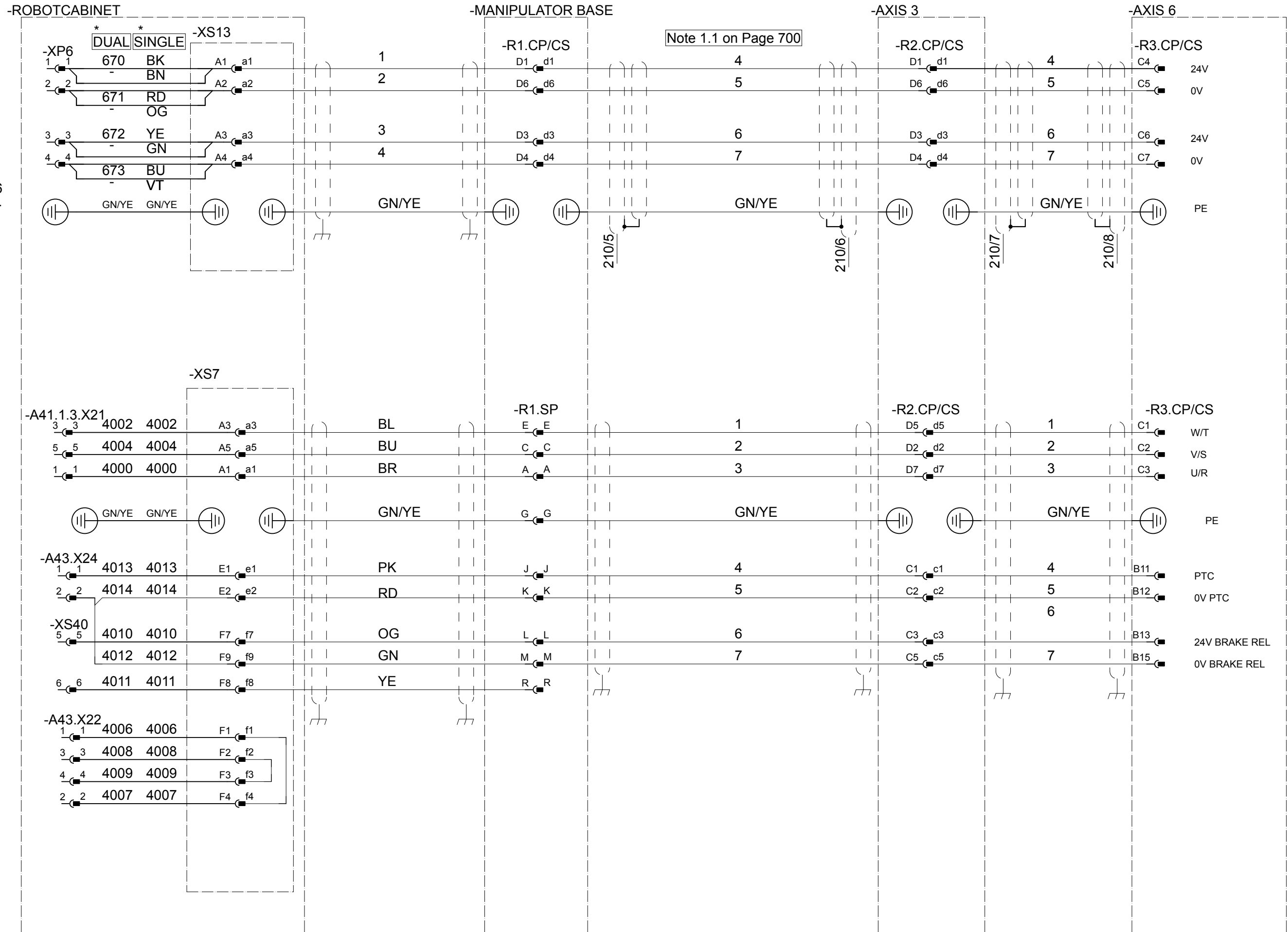
ORANGE LINE
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
 3HAC023173-001,002

SILVER LINE
 LOWER ARM HARNESS
 3HAC022472-001
 3HAC022473-001
 UPPER ARM HARNESS
 3HAC022477-001
 3HAC022477-002
 3HAC022477-003

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
 3HAC025532-001

IRB6660
 LOWER ARM HARNESS
 3HAC027105-001

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet



Latest revision: ECO 70147, WI 7698
 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"



Lab/Office:
 DMRO SE
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PROFIBUS

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP
 Location: + Se
 Sublocation: + AX3

Rev. Ind Page 209

12 Next 210

Total 98

Prepared by, date: EM 2015-02-17 Approved by, date: JEN 2015-03-04

TYPE SE
 CUSTOMER SIGNALS
 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022868-001
 FLOOR HARNESS
 3HAC022988-001,002,003,006
 3HEA800736-001,002,003,004

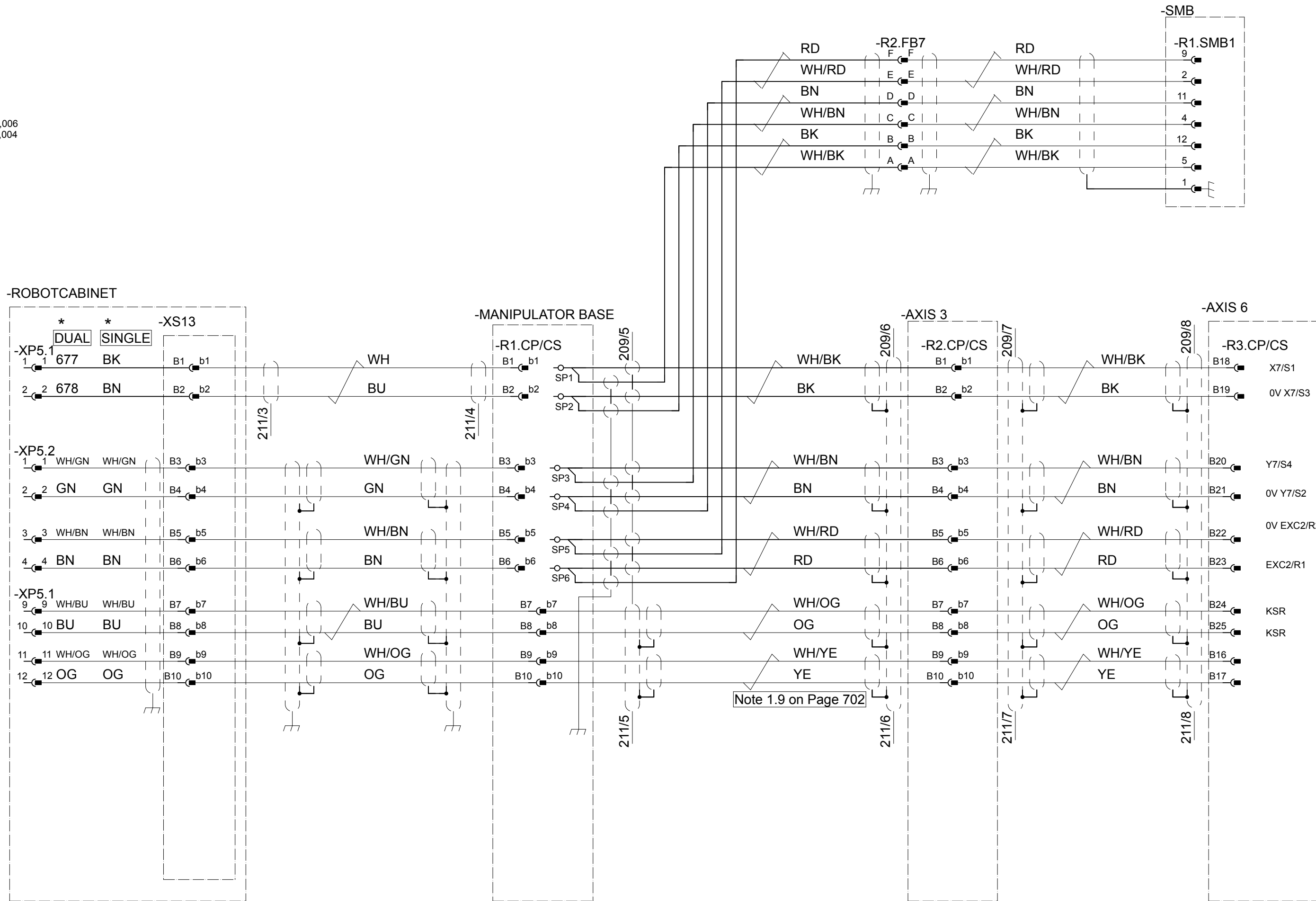
ORANGE LINE
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
 3HAC023173-001,002

SILVER LINE
 LOWER ARM HARNESS
 3HAC022472-001
 3HAC022473-001
 UPPER ARM HARNESS
 3HAC022477-001
 3HAC022477-002
 3HAC022477-003

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022481-001
 UPPER ARM HARNESS
 3HAC025532-001

IRB6660
 LOWER ARM HARNESS
 3HAC027105-001

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet



Note 1.9 on Page 702

Latest revision: ECO 70147, WI 7698
 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PROFIBUS

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

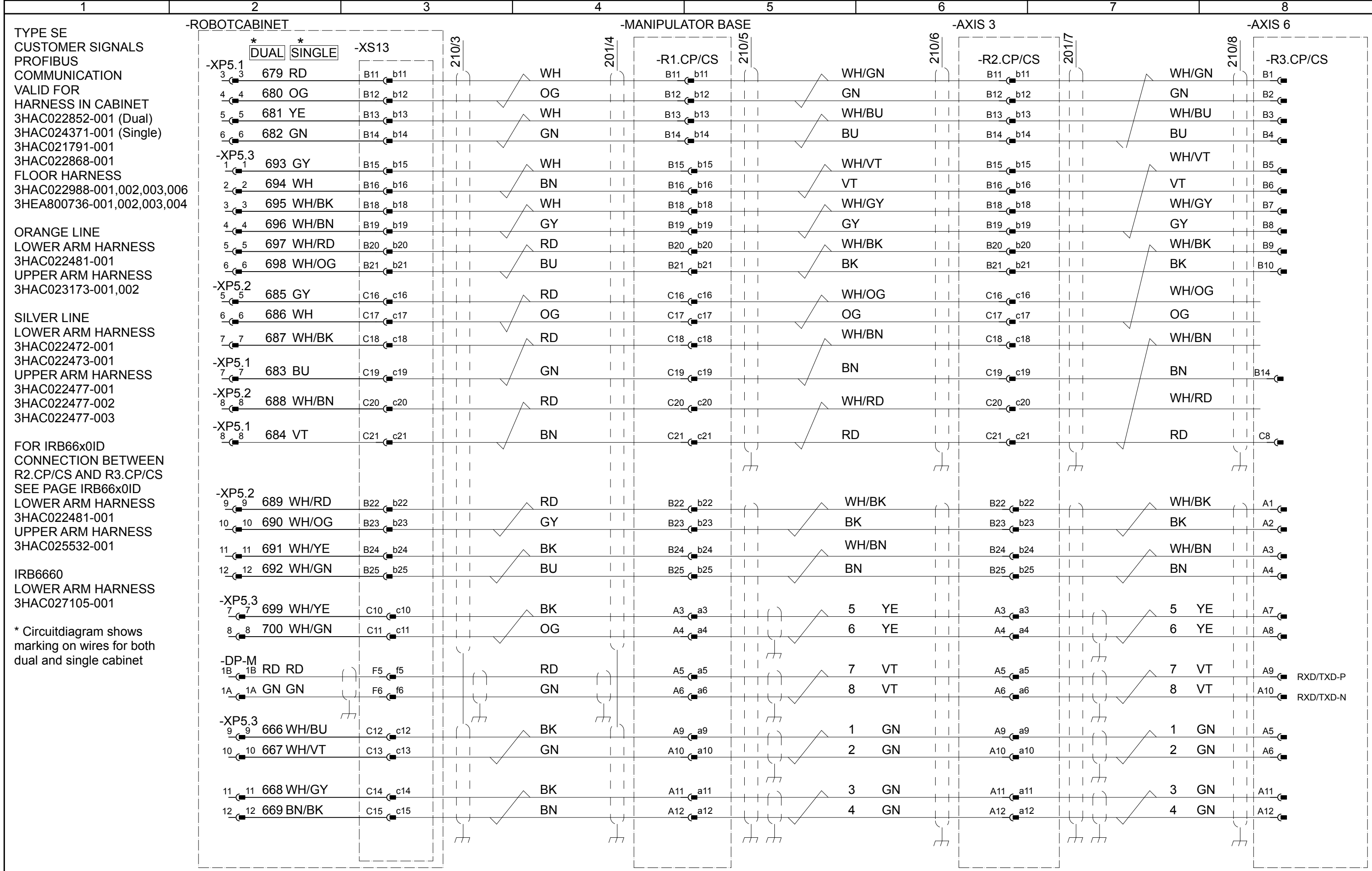
3HAC026209-001

Plant: = DP
 Location: + Se
 Sublocation: + AX3

Rev. Ind Page210
 12 Next 211
 Total 98

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 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"

Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PROFIBUS
 TYPE Se

Status: 2015-03-04
APPROVED
 Document no. 3HAC026209-001
 Plant: = DP
 Location: + Se
 Sublocation: + AX3
 Rev. Ind 12
 Page 211
 Next + (-)/21
 Total 98

TYPE SE
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 FLOOR HARNESS
 3HAC022957-001,002,003,006
 3HEA800736-001,002,003,004

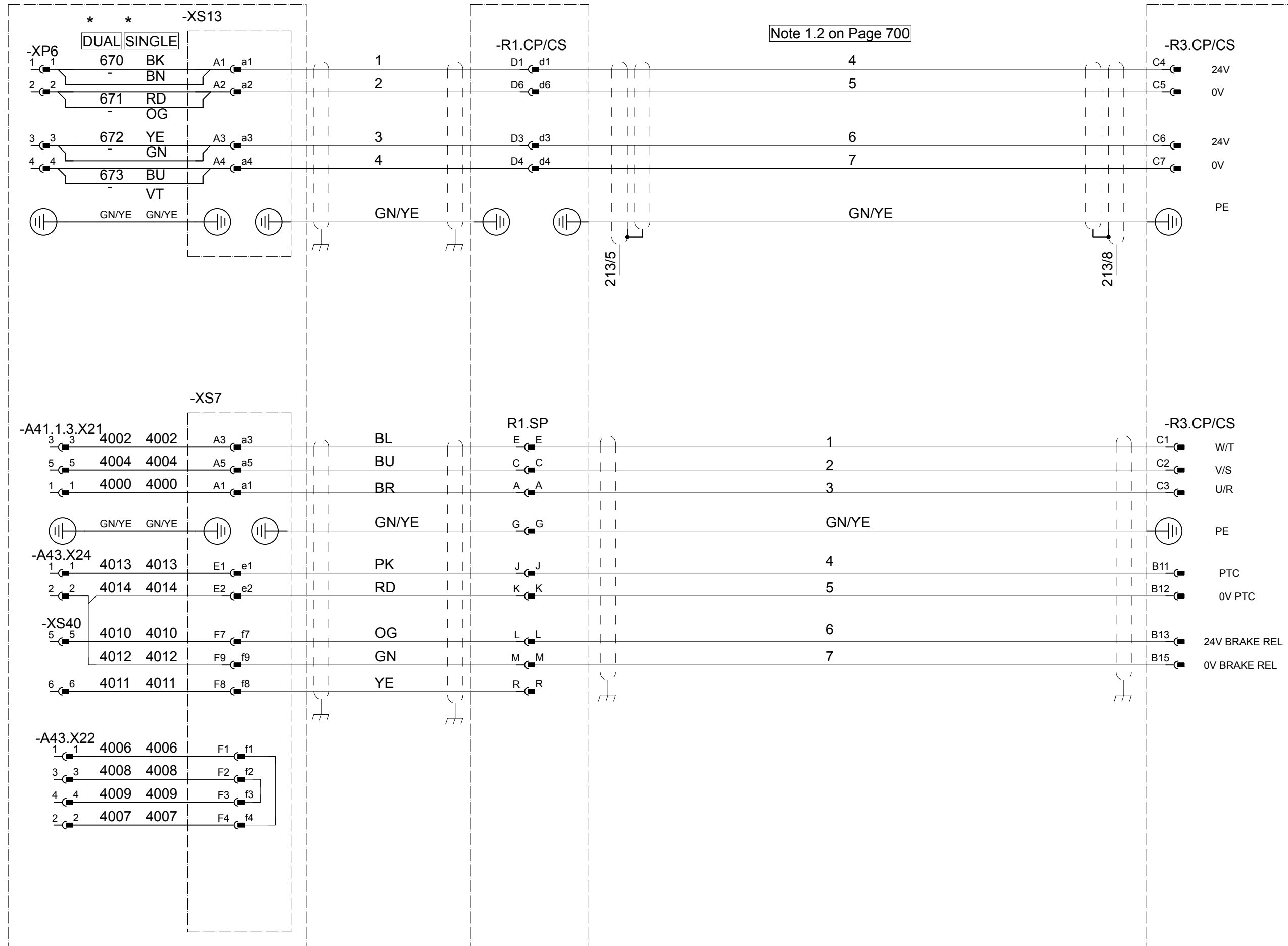
ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022487-001,002

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

-AXIS 6



Latest revision: ECO 70147, WI 7698
 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"



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 DMRO SE
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = DP

APPROVED

Location: + Se
 Sublocation: + (-)

Document no.

Rev. Ind Page 212

3HAC026209-001

12
 Next 213
 Total 98

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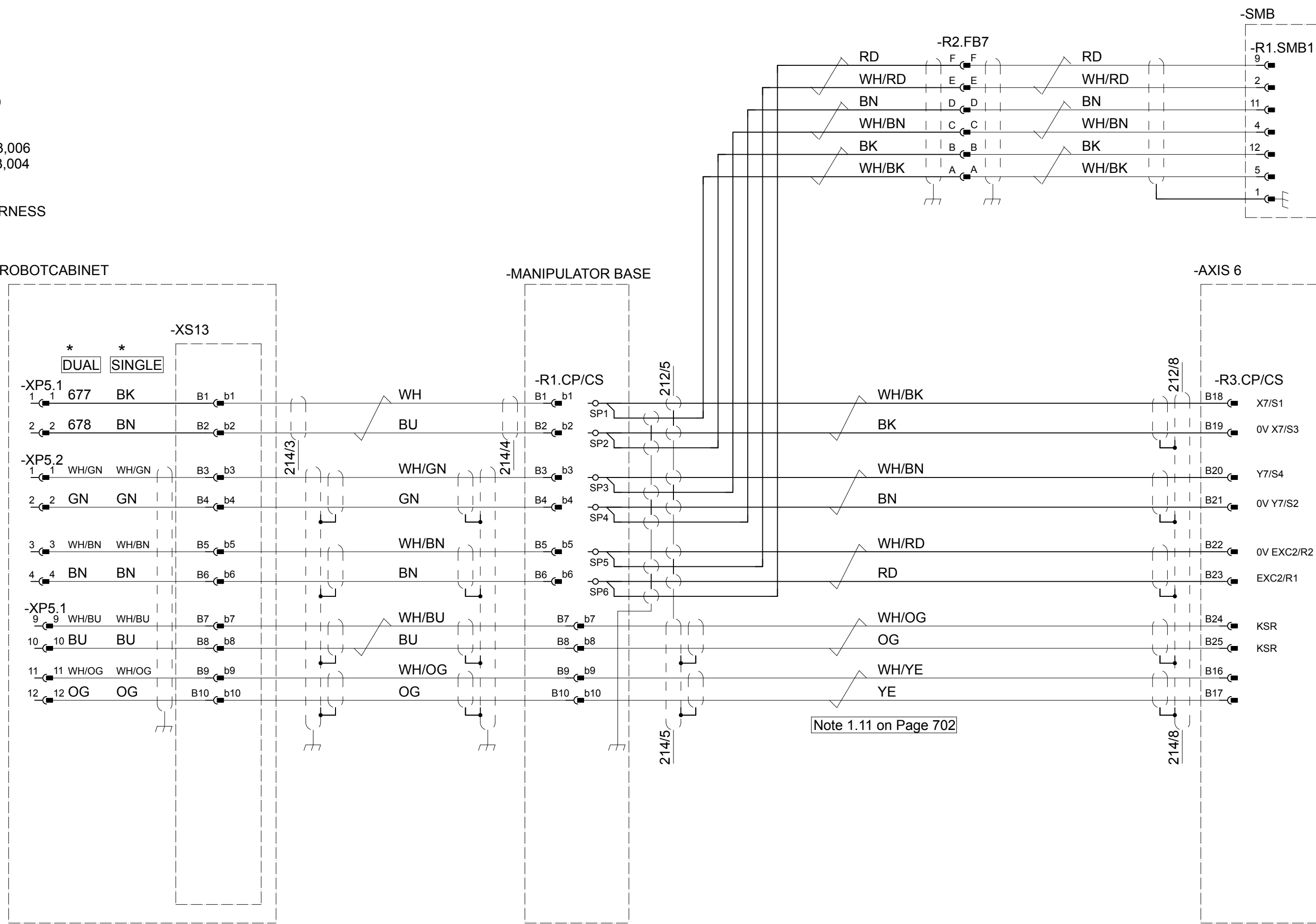
TYPE Se

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TYPE SE
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 FLOOR HARNESS
 3HAC022957-001,002,003,006
 3HEA800736-001,002,003,004

ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022487-001,002

* Circuitdiagram shows marking on wires for both-ROBOTCABINET dual and single cabinet



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PARALLEL

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + Se

Sublocation: + (-)

Rev. Ind Page 213

12 Next 214

Total 98

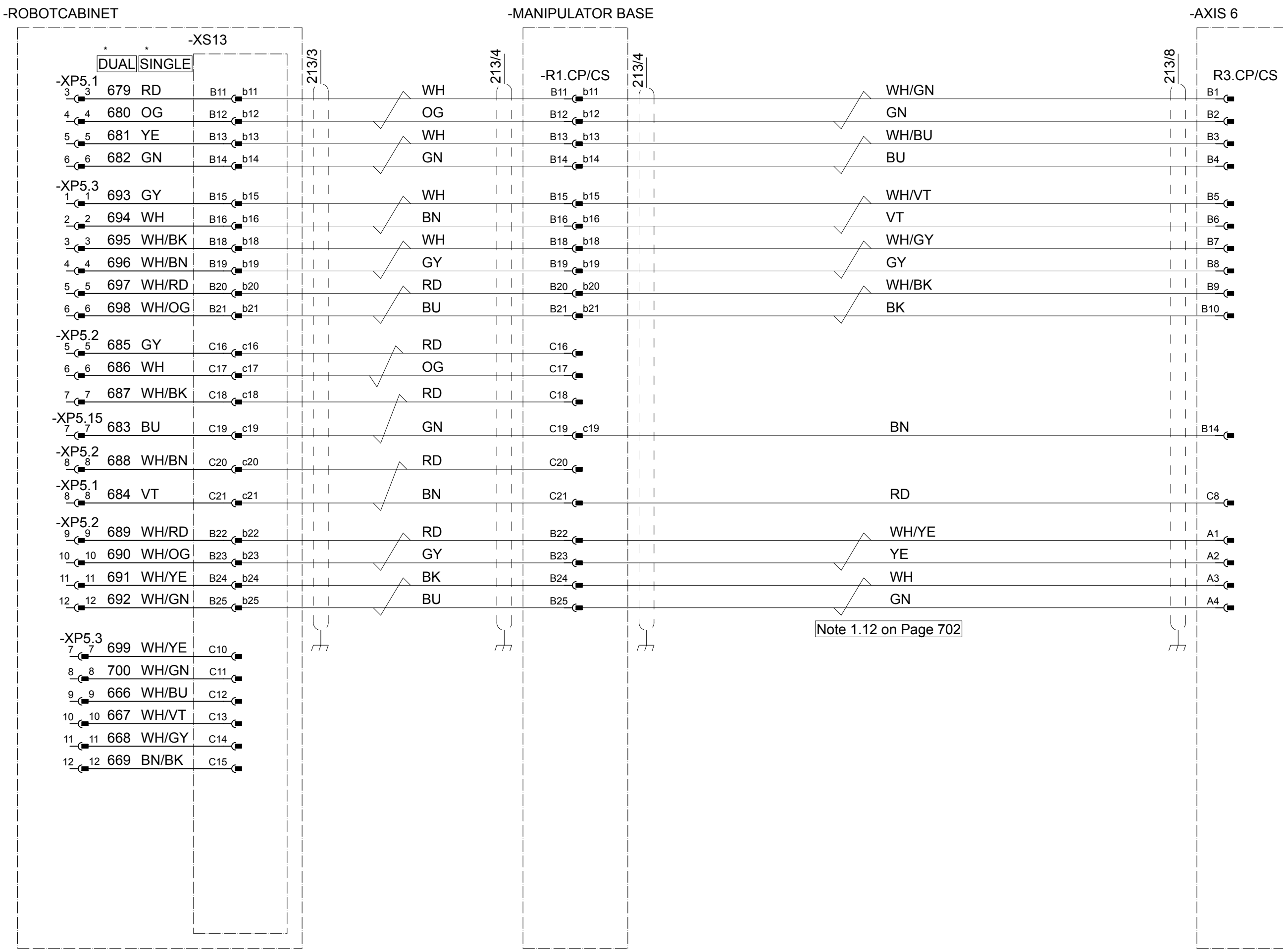
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TYPE SE
CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
3HAC021791-001
FLOOR HARNESS
3HAC022957-001,002,003,006
3HEA800736-001,002,003,004

ORANGE LINE
LOWER/UPPER ARM HARNESS
3HAC022487-001,002

* Circuitdiagram shows marking on wires for both dual and single cabinet



Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
CUSTOMER SIGNALS, PARALLEL
TYPE Se

Status: 2015-03-04
APPROVED

Plant: = DP
Location: + Se
Sublocation: + (-)

Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04

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TYPE SE
 CUSTOMER SIGNALS
 CANBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022866-001
 FLOOR HARNESS
 3HAC022978-001,002,003,006
 3HEA800736-001,002,003,004

ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022491-001,002

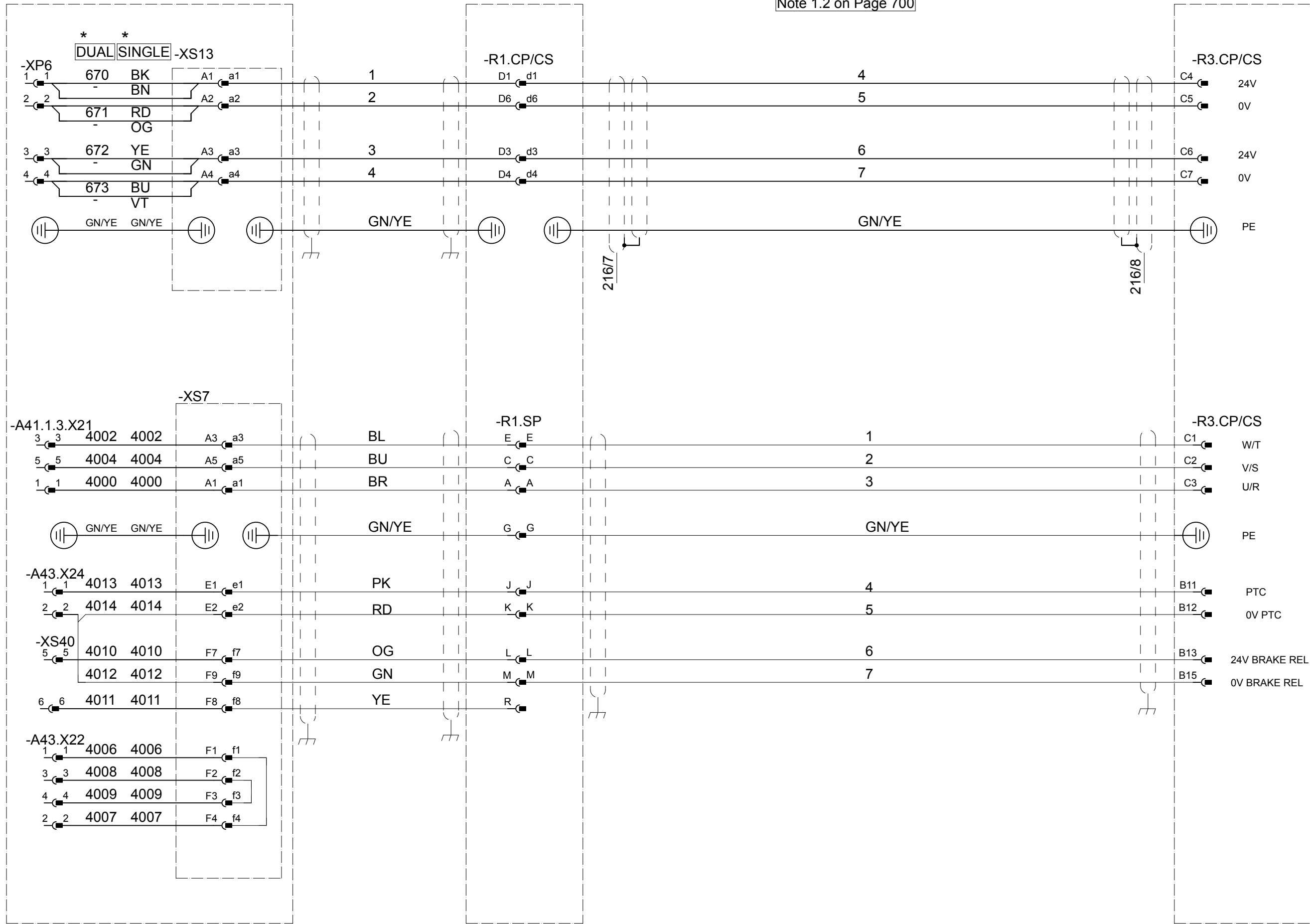
* Circuitdiagram shows marking on wires for both dual and single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

Note 1.2 on Page 700

-AXIS 6



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = DP

APPROVED

Location: + Se
 Sublocation: + (-)

Document no.

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12 Next 216
 Total 98

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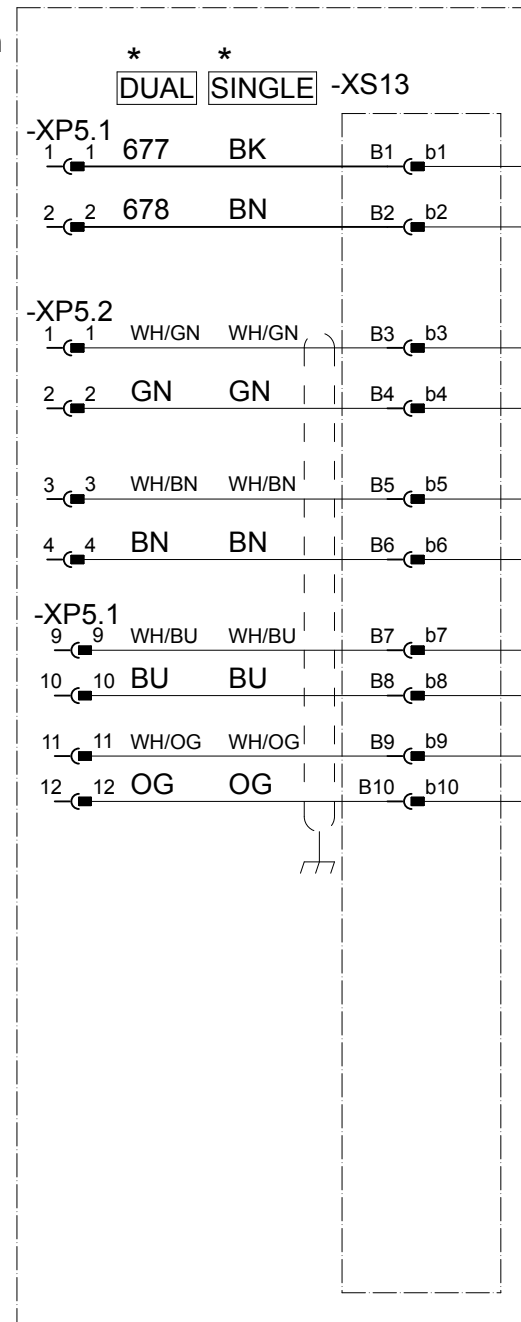
TYPE Se

TYPE SE
 CUSTOMER SIGNALS
 CANBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022866-001
 FLOOR HARNESS
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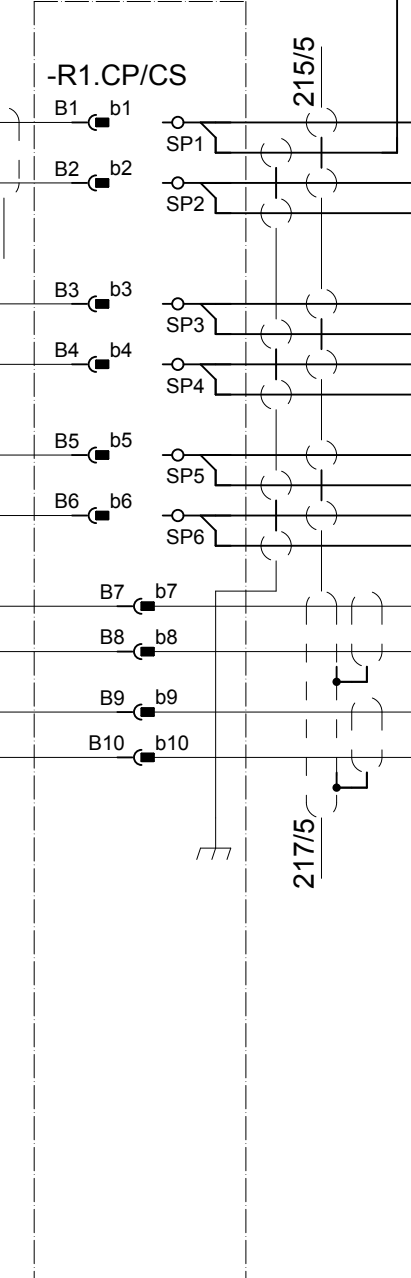
ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022491-001,002

* Circuitdiagram shows marking on wires for both dual and single cabinet

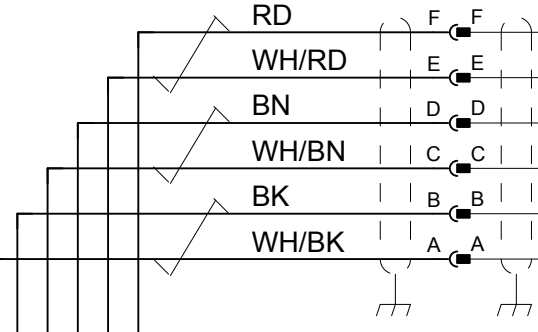
-ROBOTCABINET



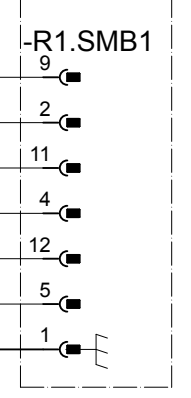
-MANIPULATOR BASE



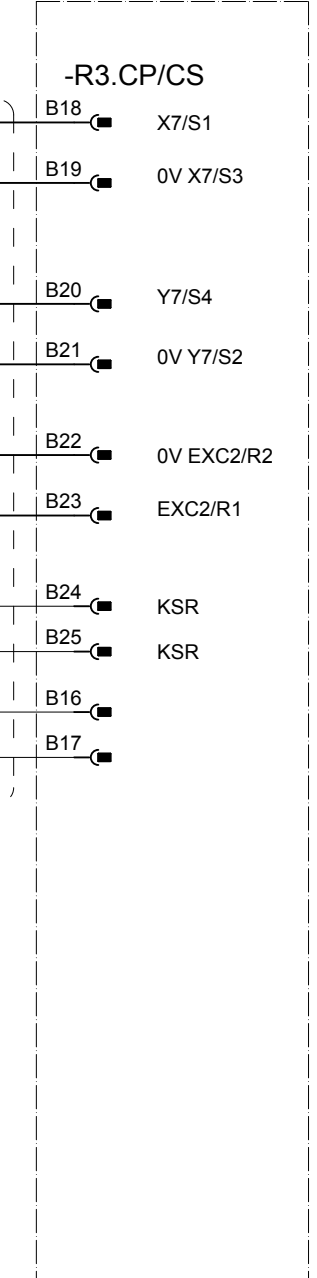
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-SMB

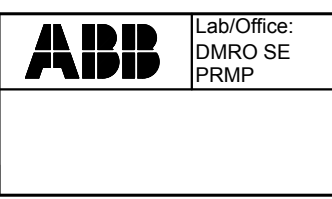


-AXIS 6



Note 1.11 on Page 702

Latest revision: ECO 70147, WI 7698
 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"
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 Approved by, date: JEN 2015-03-04

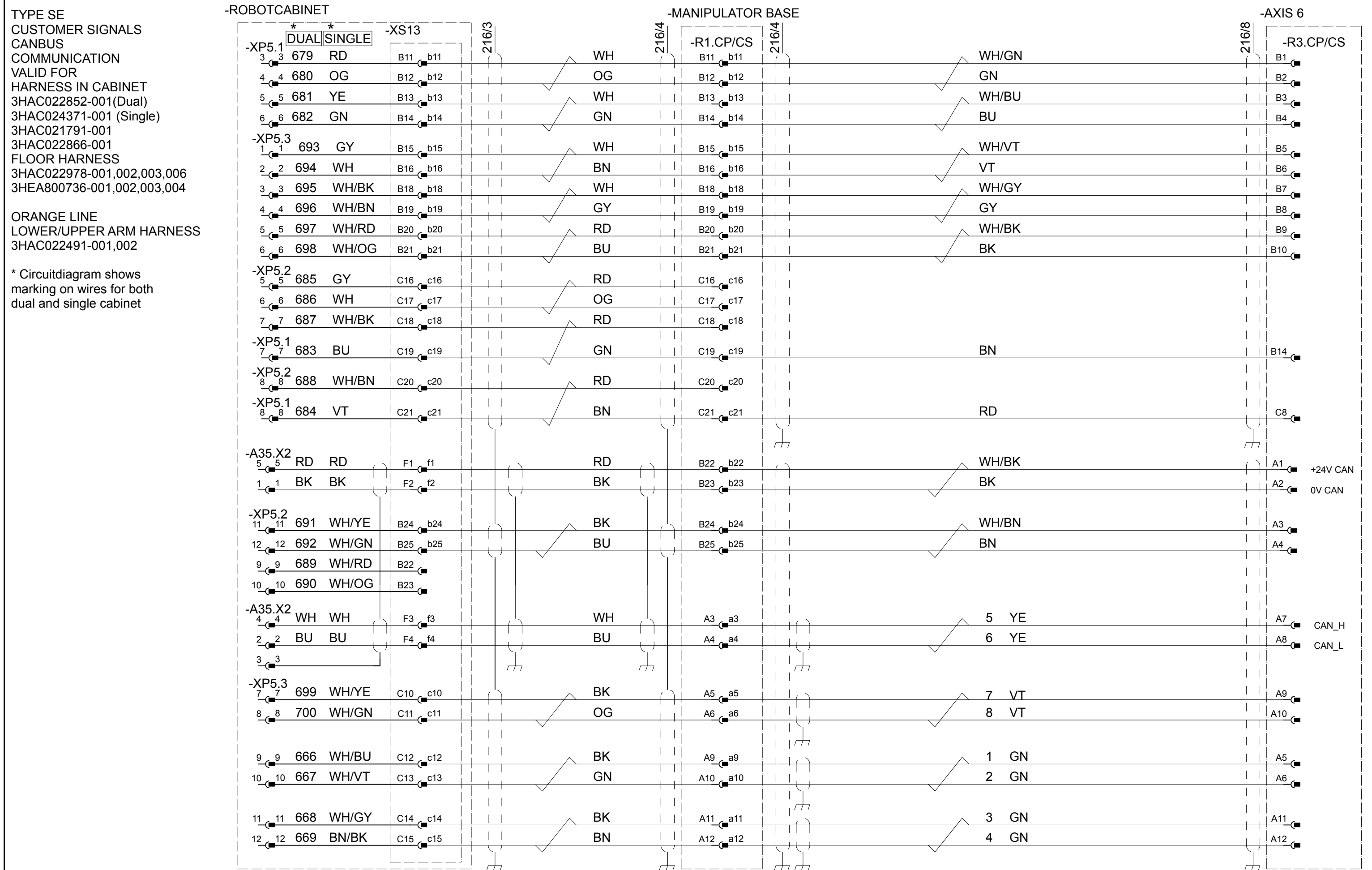


IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, CANBUS
 TYPE Se

Status: 2015-03-04
 Plant: = DP
 Location: + Se
 Sublocation: + (-)
APPROVED
 Document no. 3HAC026209-001
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Latest revision: ECO 70147, WI 7698
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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04

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DMRO SE
PRMP

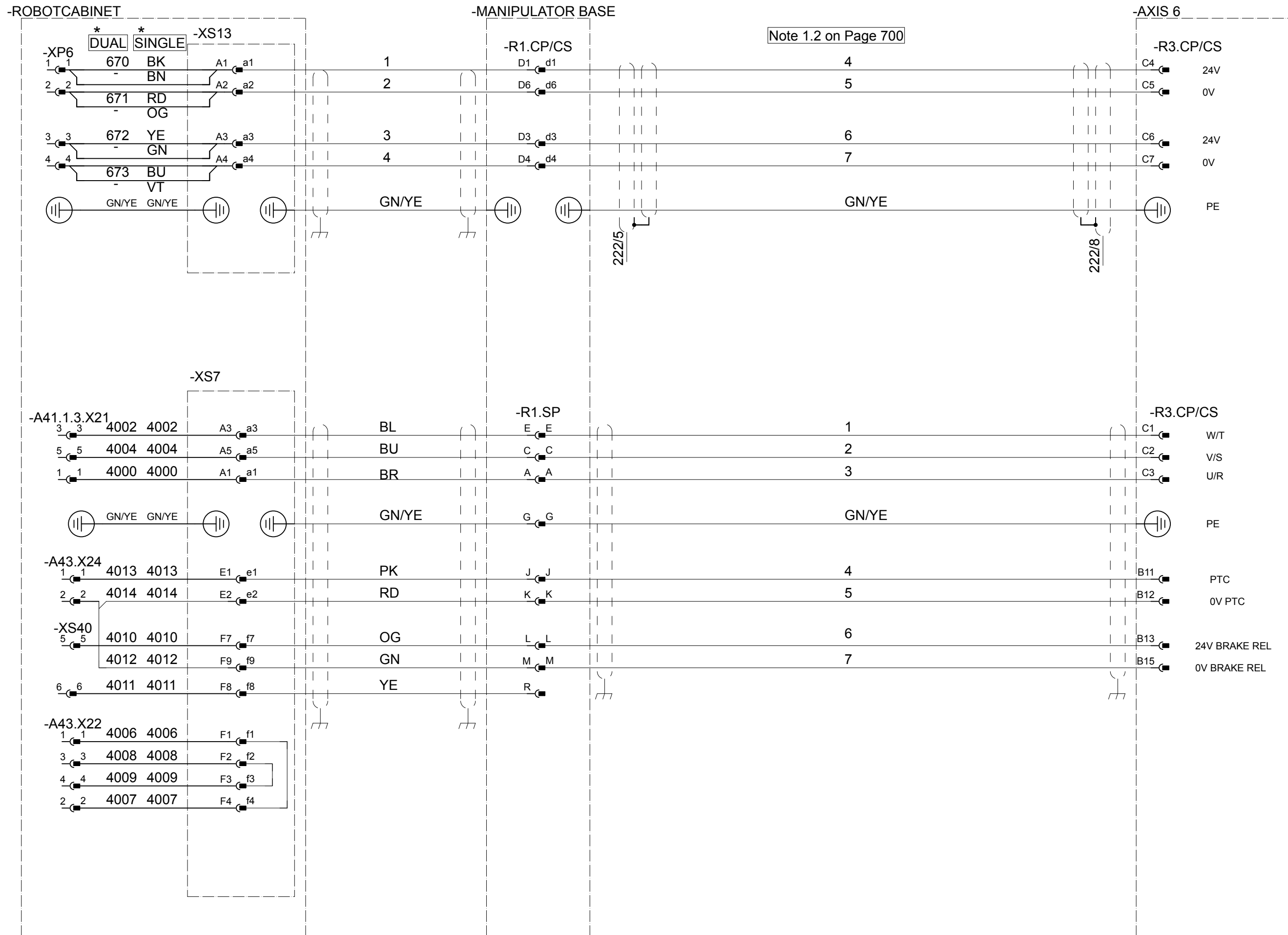
IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, CANBUS
 TYPE Se

Status: 2015-03-04
 Plant: = DP
 Location: + Se
 Sublocation: + (-)

APPROVED
 Document no. 3HAC026209-001
 Rev. Ind 12
 Page 217
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 Total 98

TYPE SE
 CUSTOMER SIGNALS
 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022868-001
 FLOOR HARNESS
 3HAC022988-001,002,003,006
 3HEA800736-001,002,003,004
 ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022491-001,002

* Circuitdiagram shows marking on wires for both dual and single cabinet



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 Page 316-321: Adjusted, "Type H" was "Type S"



Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PROFIBUS

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + Se

Sublocation: + (-)

Rev. Ind Page 221

12 Next 222

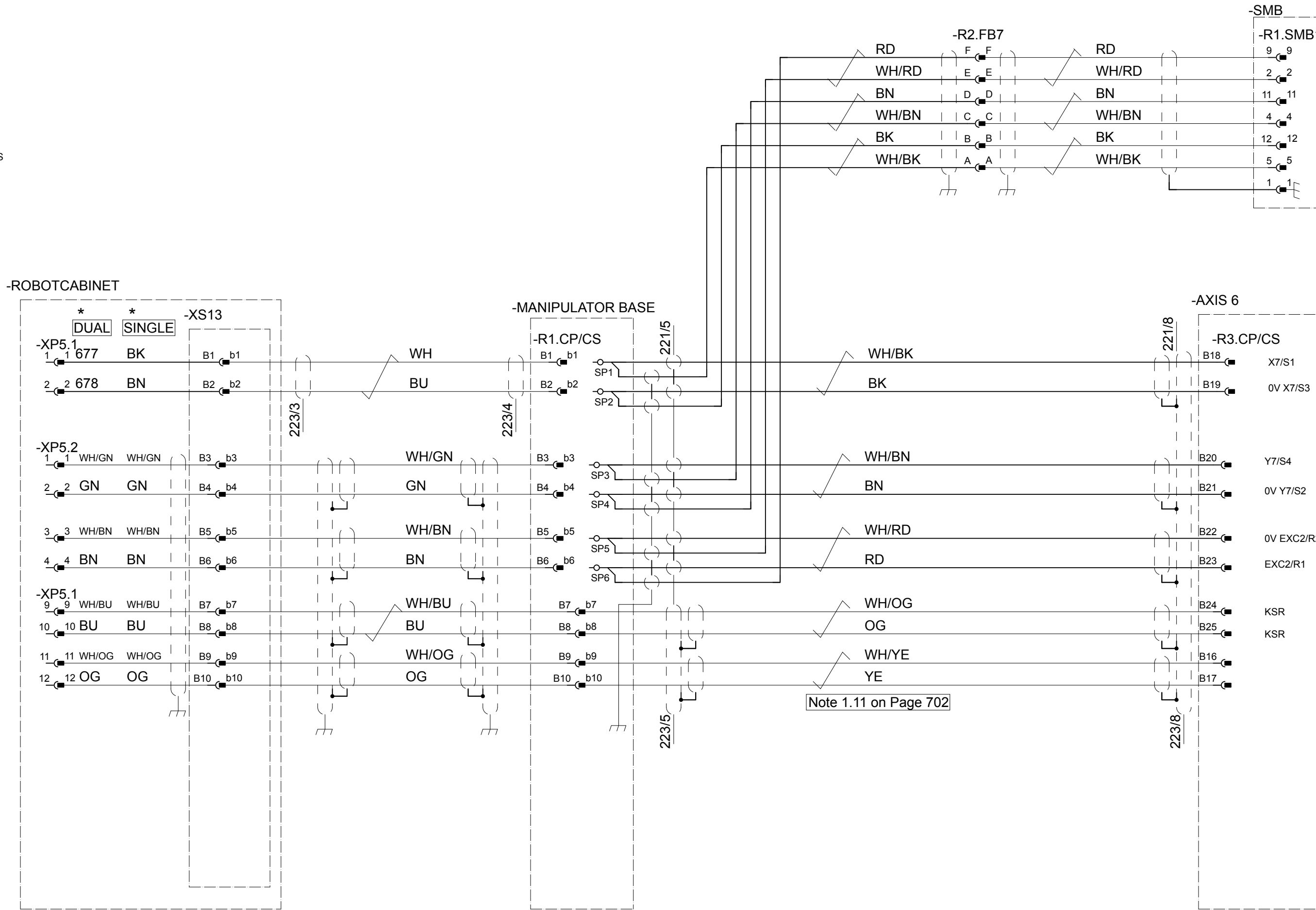
Total 98

Prepared by, date: EM 2015-02-17 Approved by, date: JEN 2015-03-04

TYPE SE
 CUSTOMER SIGNALS
 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022868-001
 FLOOR HARNESS
 3HAC022988-001,002,003,006
 3HEA800736-001,002,003,004

ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022491-001,002

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet



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Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PROFIBUS

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + Se

Sublocation: + (-)

Rev. Ind

12

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Total 98

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TYPE SE
 CUSTOMER SIGNALS
 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC021791-001
 3HAC022868-001
 FLOOR HARNESS
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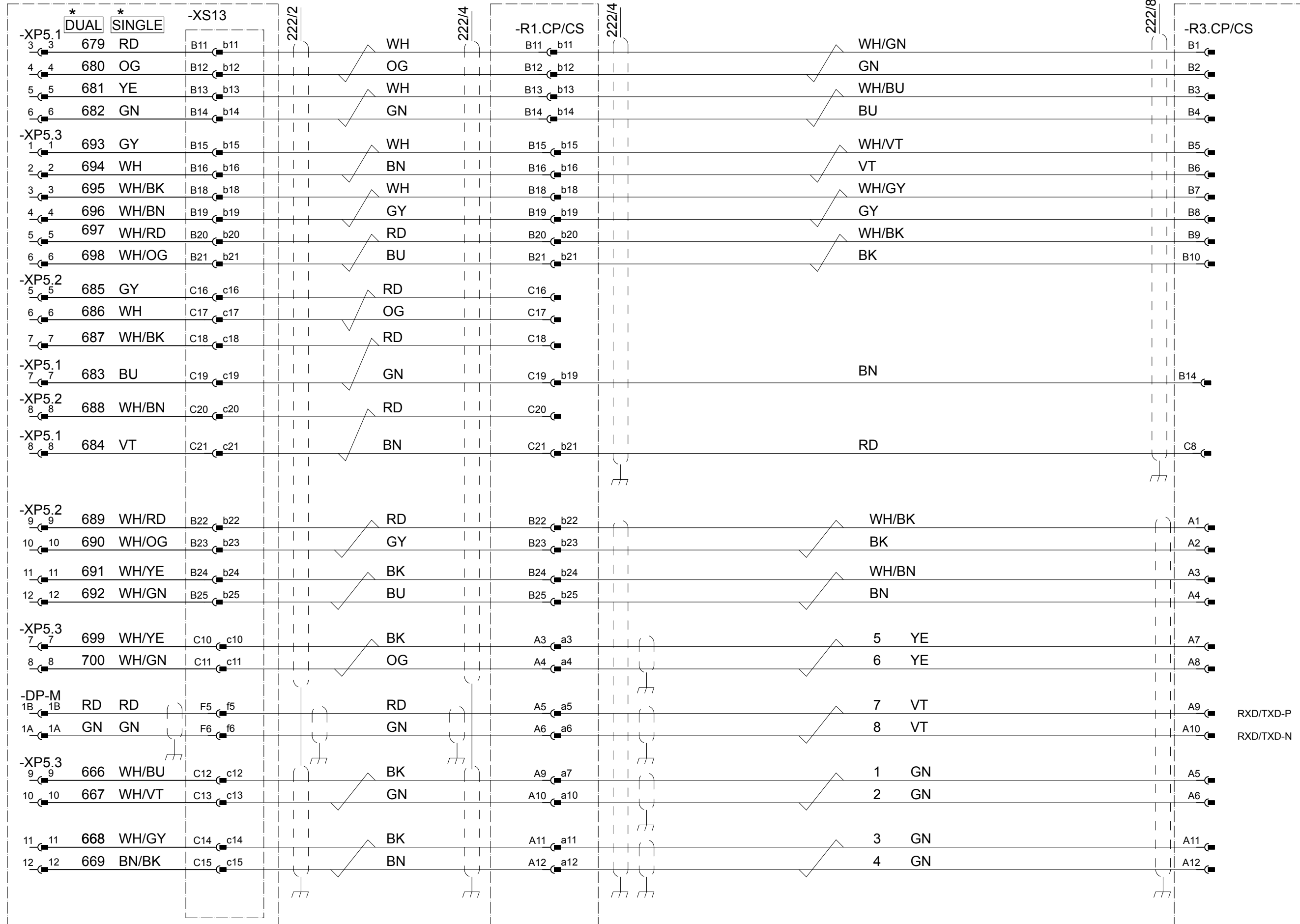
ORANGE LINE
 LOWER/UPPER ARM HARNESS
 3HAC022491-001,002

* Circuitdiagram shows marking on wires for both dual and single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

-AXIS 6



Latest revision: ECO 70147, WI 7698
 Page 224-231: Adjusted, "Type Se" was "Type S"
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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PROFIBUS

TYPE Se

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + Se

Sublocation: + (-)

Rev. Ind

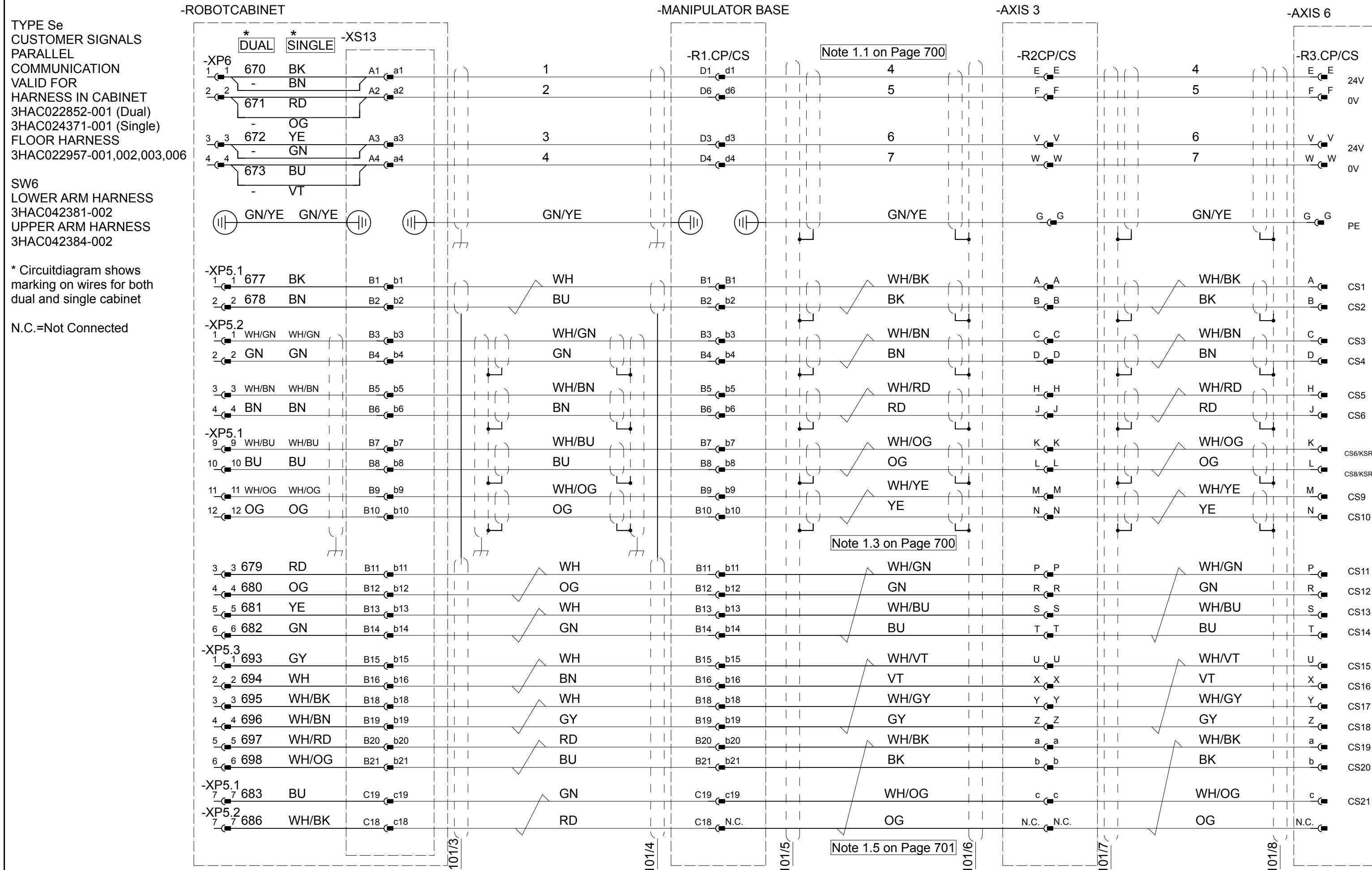
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Page 223

Next +. AX3/2

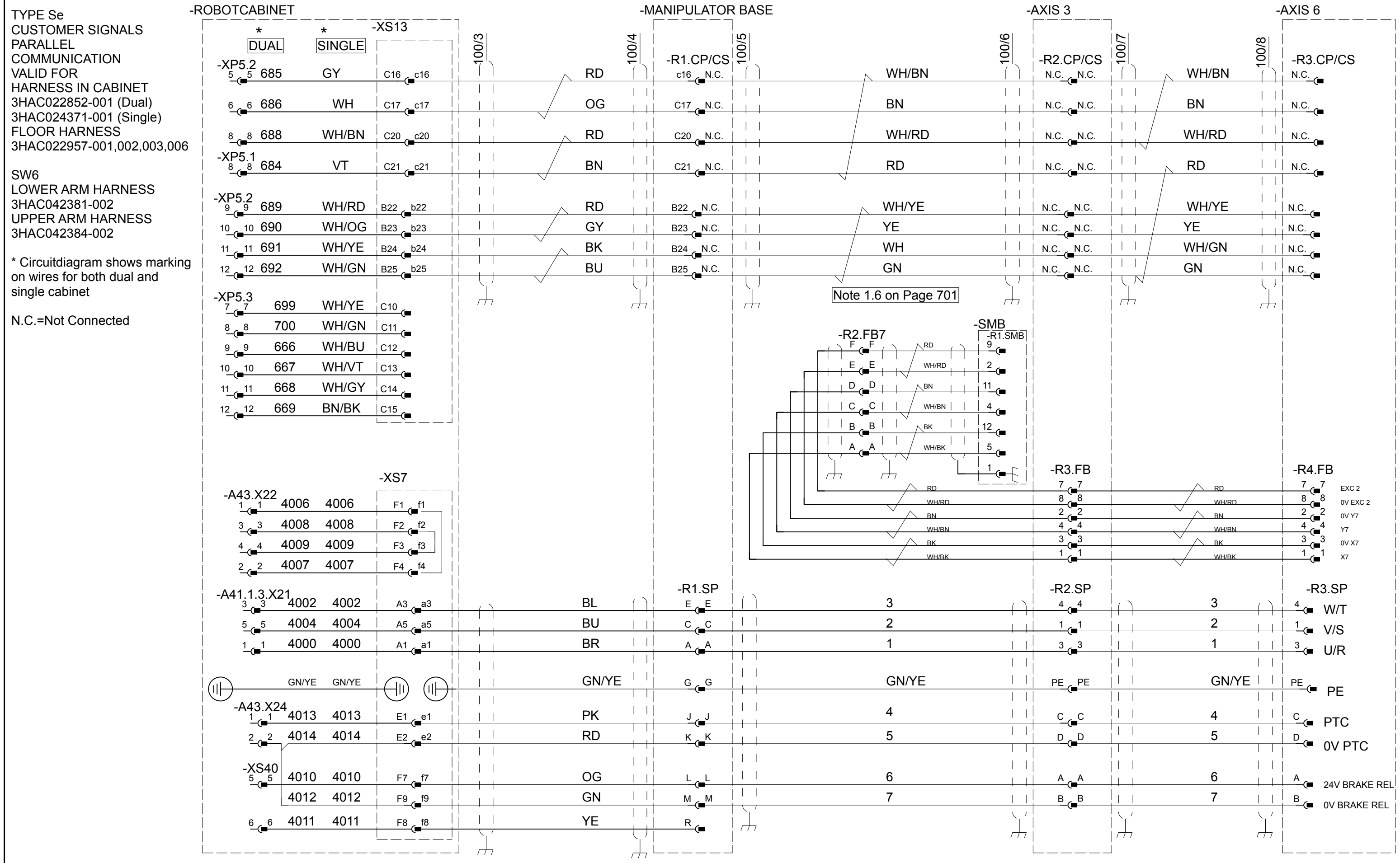
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Latest revision: ECO 70147, WI 7698 Page 224-231: Adjusted, "Type Se" was "Type S" Page 316-321: Adjusted, "Type H" was "Type S"			Lab/Office: DMRO SE PRMP	IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5 CUSTOMER SIGNALS, PARALLEL TYPE Se	Status: 2015-03-04 APPROVED Document no. 3HAC026209-001	Plant: = DP Location: + Se Sublocation: + AX3	Rev. Ind 12	Page 224 Next 225 Total 98
Prepared by, date: EM 2015-02-17	Approved by, date: JEN 2015-03-04				= DP + Se + AX3			

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TYPE Se
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

SW6
 LOWER ARM HARNESS
 3HAC042382-002
 UPPER ARM HARNESS
 3HAC042385-002

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet

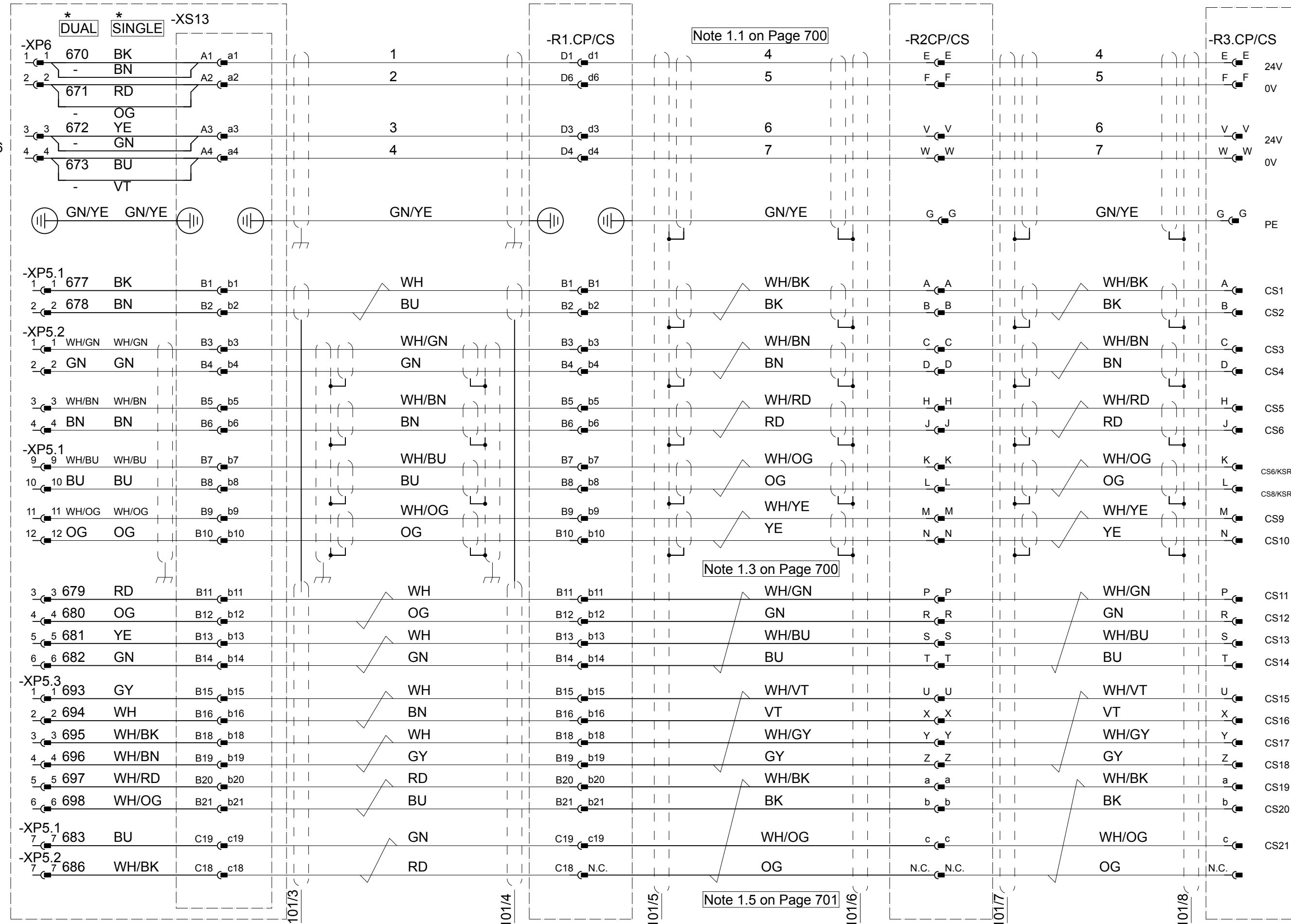
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-ROBOTCABINET

-MANIPULATOR BASE

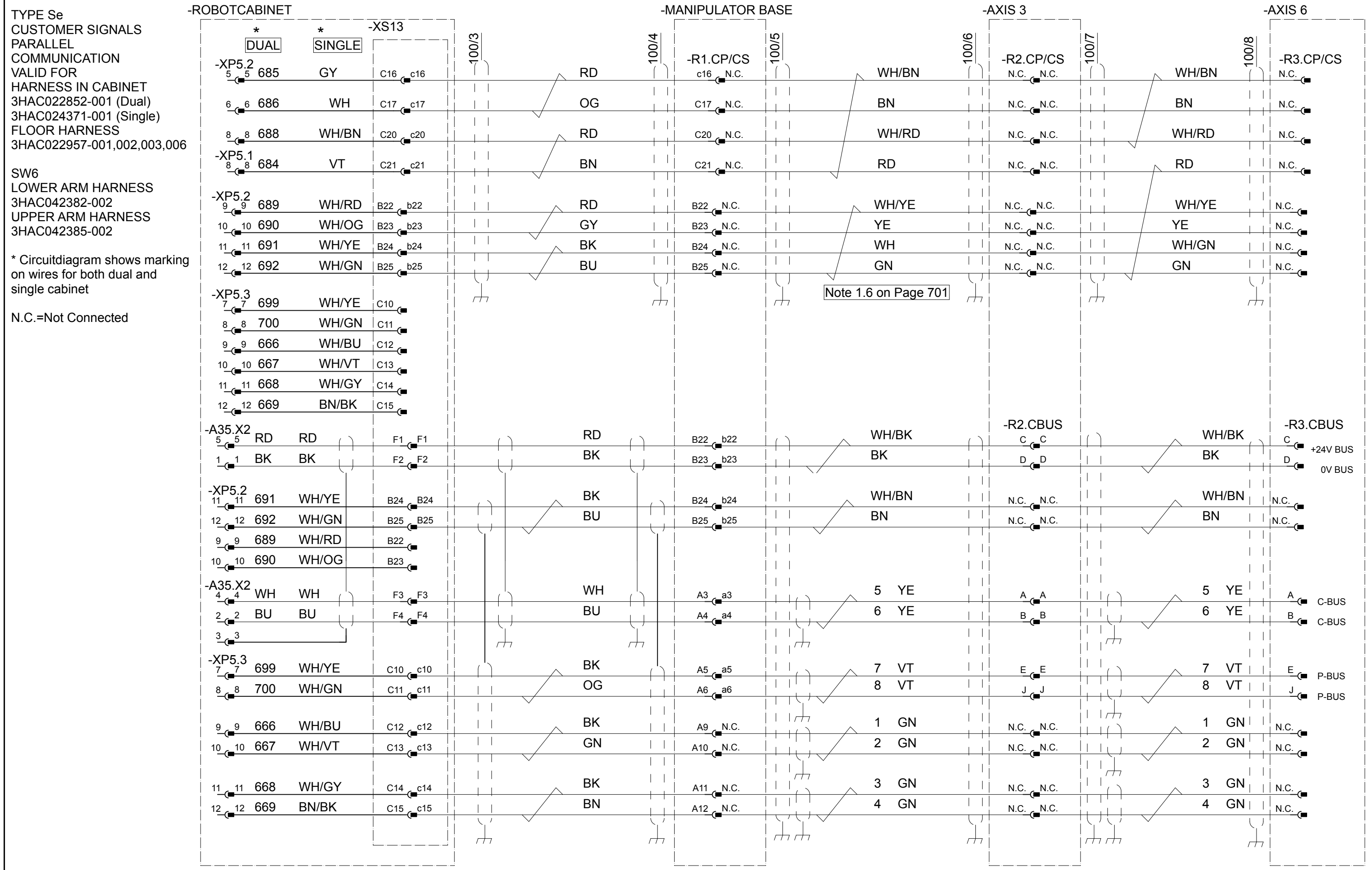
-AXIS 3

-AXIS 6



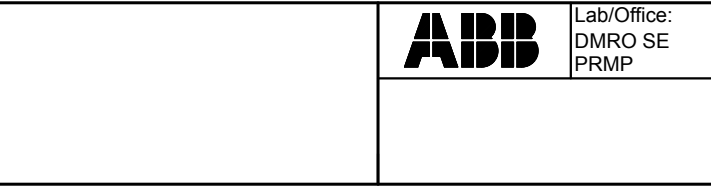
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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, CANBUS

TYPE Se

Status: 2015-03-04

Plant: = DP
 Location: + Se
 Sublocation: + AX3

APPROVED

Document no. 3HAC026209-001

Rev. Ind 12

Page 227
 Next 228
 Total 98

TYPE Se
CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
FLOOR HARNESS
3HAC022957-001,002,003,006

SW6
LOWER ARM HARNESS
3HAC042382-002
UPPER ARM HARNESS
3HAC042385-002

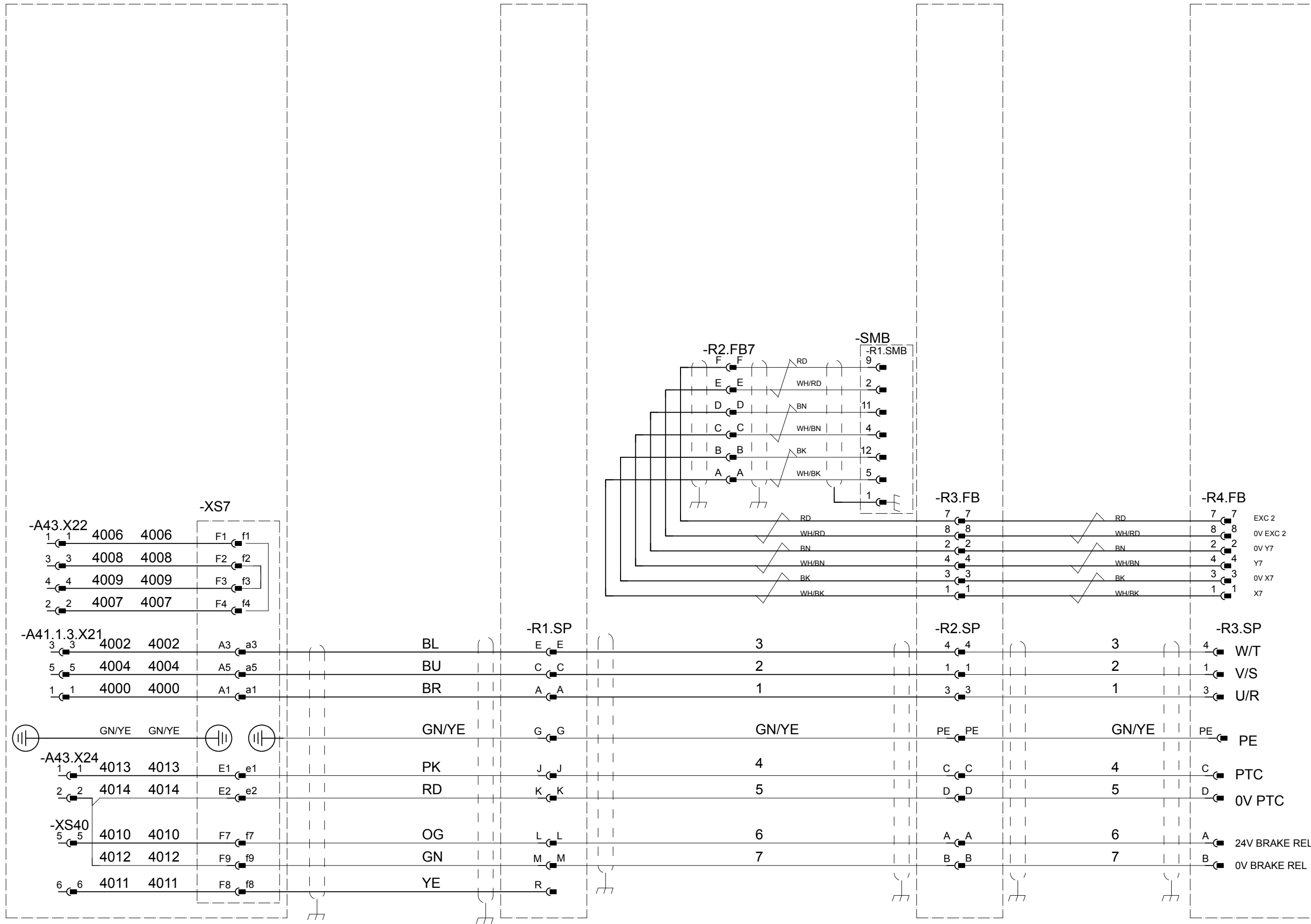
* Circuitdiagram shows marking
on wires for both dual and
single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

-AXIS 3

-AXIS 6



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Lab/Office:
DMRO SE
PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = DP

APPROVED

Location: + Se
Sublocation: + AX3

Document no.

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Total 98

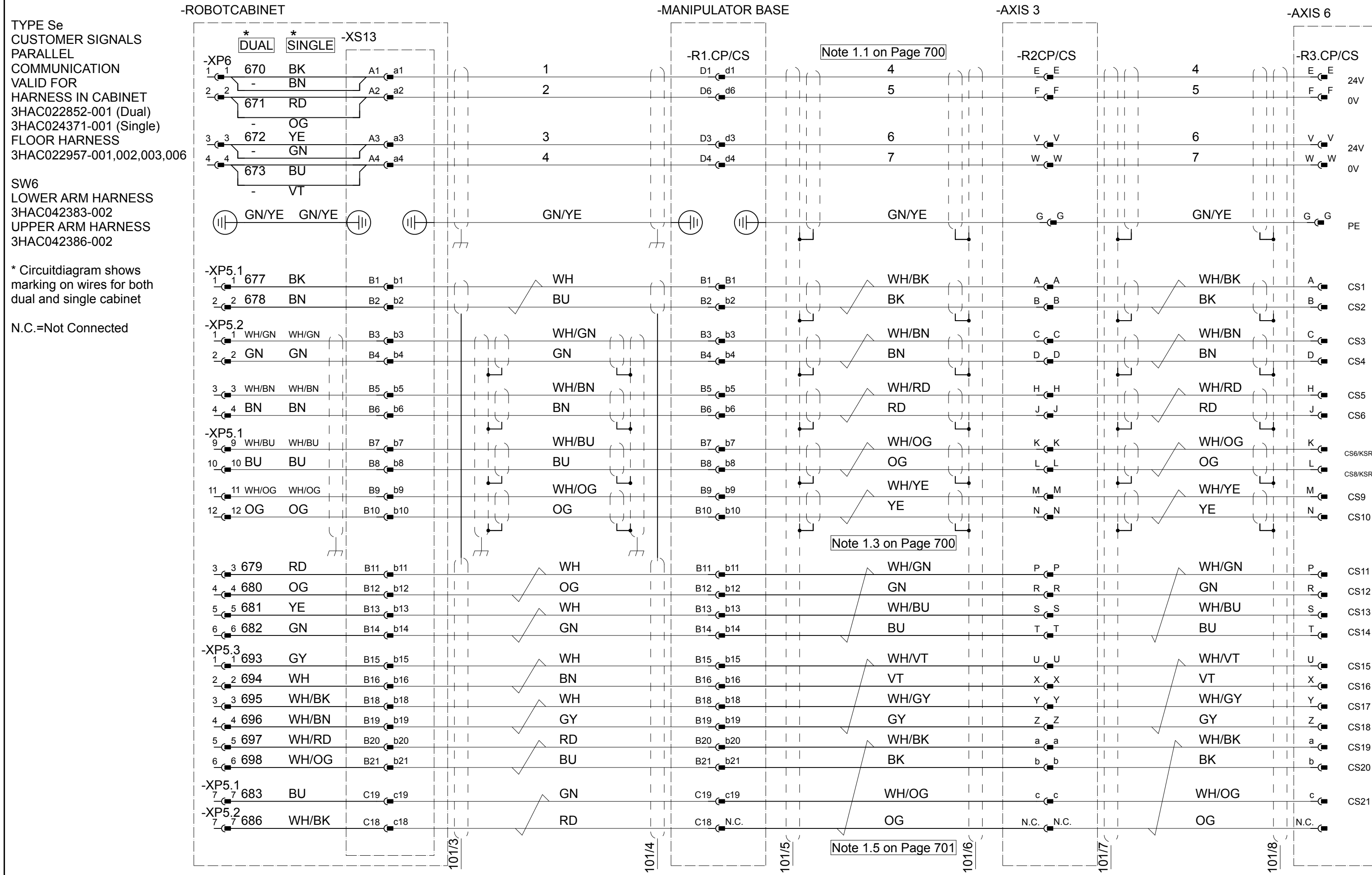
Prepared by, date: EM 2015-02-17

Approved by, date: JEN 2015-03-04

TYPE Se

12

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Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"

Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04

101/3

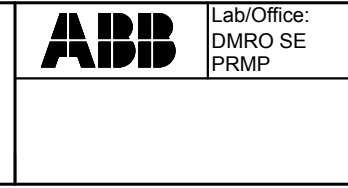
101/4

101/5

101/6

101/7

101/8



IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, ETHERNET

TYPE Se

Status: 2015-03-04

Plant: = DP
Location: + Se
Sublocation: + AX3

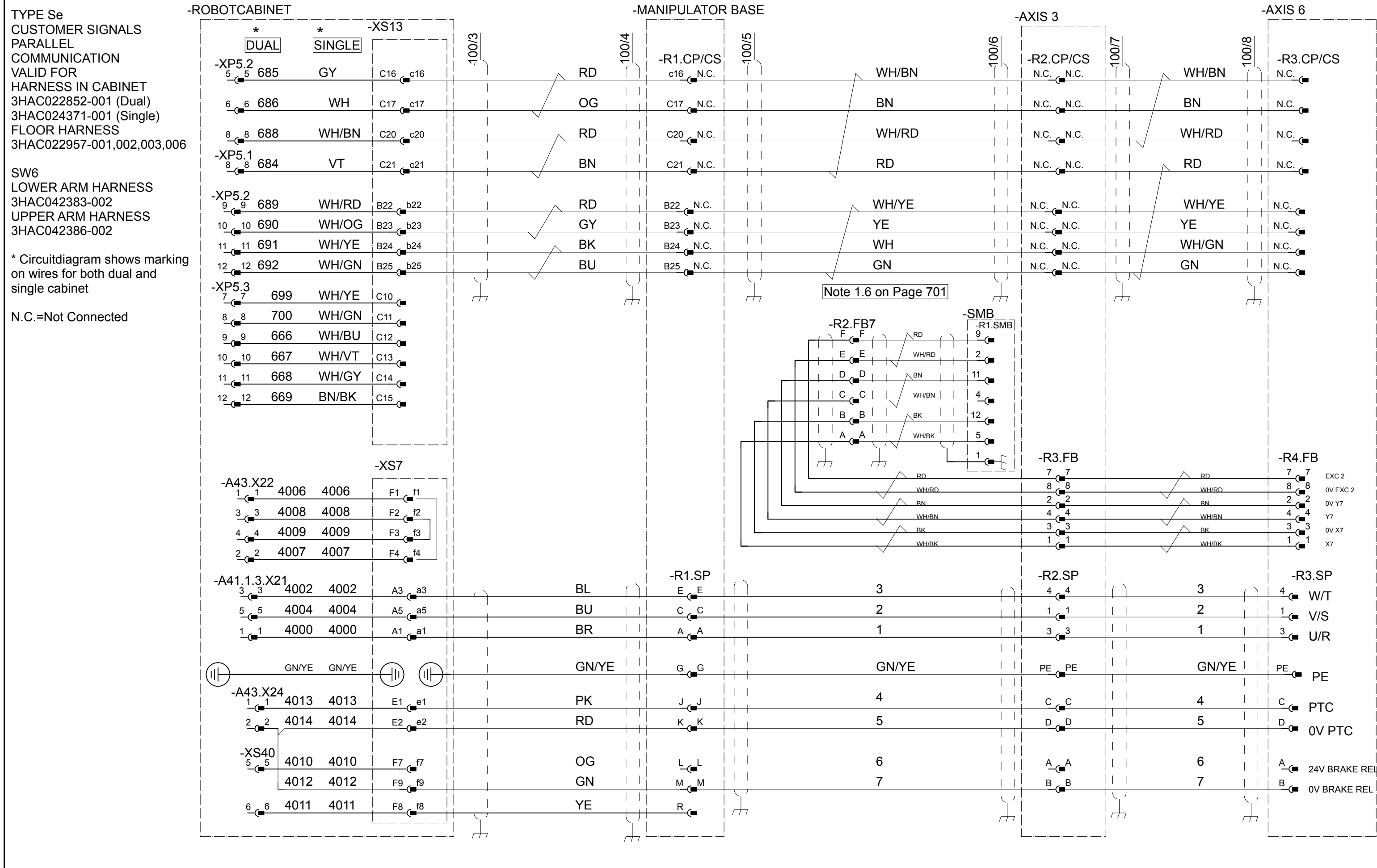
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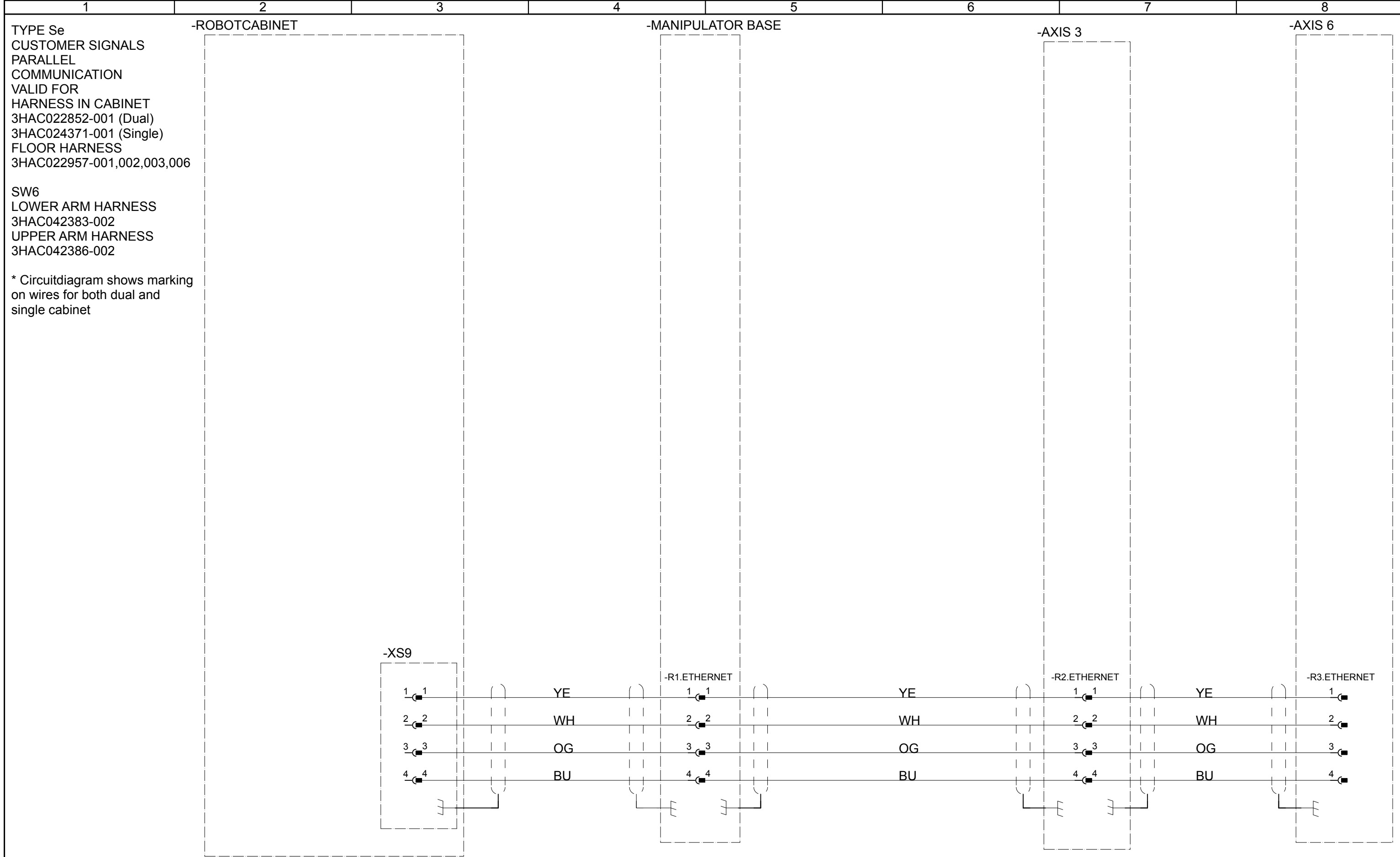
Document no. 3HAC026209-001

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TYPE Se
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

SW6
 LOWER ARM HARNESS
 3HAC042383-002
 UPPER ARM HARNESS
 3HAC042386-002

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet

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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, ETHERNET
 TYPE Se

Status: 2015-03-04
 Plant: = DP
 Location: + Se
 Sublocation: + AX3

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TYPE H, HS AND HSe
CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
FLOOR HARNESS
3HAC022957-001,002,003,006

ORANGE LINE
LOWER ARM HARNESS
3HAC022996-001
3HAC022997-001
UPPER ARM HARNESS
3HAC028811-001
3HAC023252-001,002,003,004

SILVER LINE
LOWER ARM HARNESS
3HAC022996-001
3HAC022997-001
UPPER ARM HARNESS
3HAC023057-001,002,003,004,005

FOR IRB66x0ID
CONNECTION BETWEEN
R2.CP/CS AND R3.CP/CS
SEE PAGE IRB66x0ID
LOWER ARM HARNESS
3HAC022996-001
UPPER ARM HARNESS
3HAC025532-001

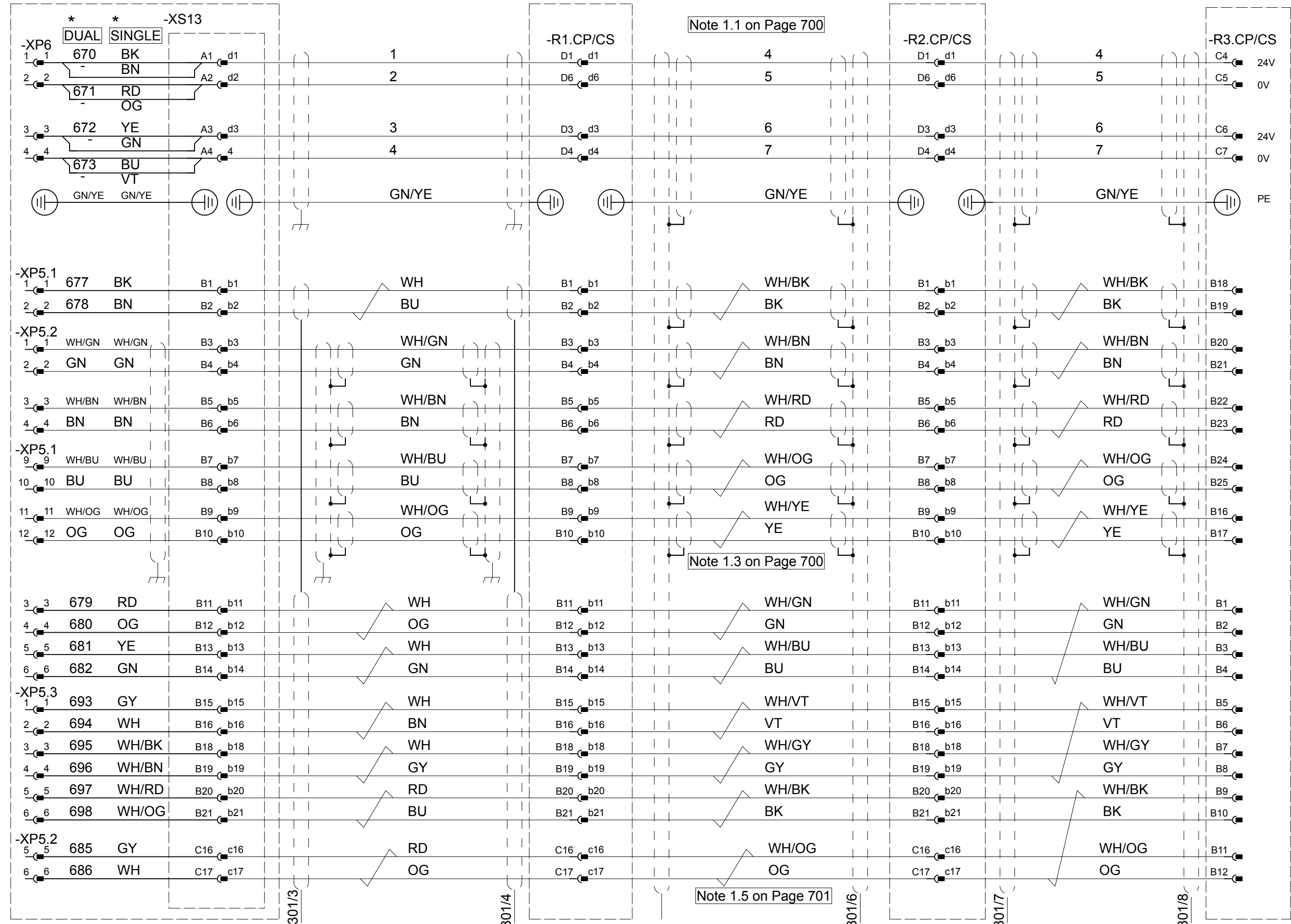
* Circuitdiagram shows
marking on wires for both
dual and single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

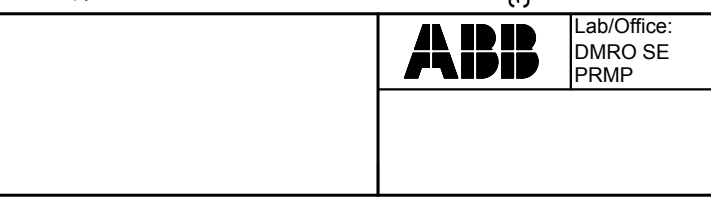
-AXIS 3

-AXIS 6



Latest revision: ECO 70147, WI 7698
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Page 316-321: Adjusted, "Type H" was "Type S"

Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
CUSTOMER SIGNALS, PARALLEL
TYPE H, HS AND HSe

Status: 2015-03-04
Plant: = DP
Location: + H
Sublocation: +

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TYPE H, HS AND HSe
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

ORANGE LINE
 LOWER ARM HARNESS
 3HAC022996-001
 3HAC022997-001
 3HAC028811-001
 UPPER ARM HARNESS
 3HAC023252-001,002,003,004

SILVER LINE
 LOWER ARM HARNESS
 3HAC022996-001
 3HAC022997-001
 UPPER ARM HARNESS
 3HAC023057-001,002,003,004,005

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022996-001
 3HAC022997-001
 UPPER ARM HARNESS
 3HAC025532-001

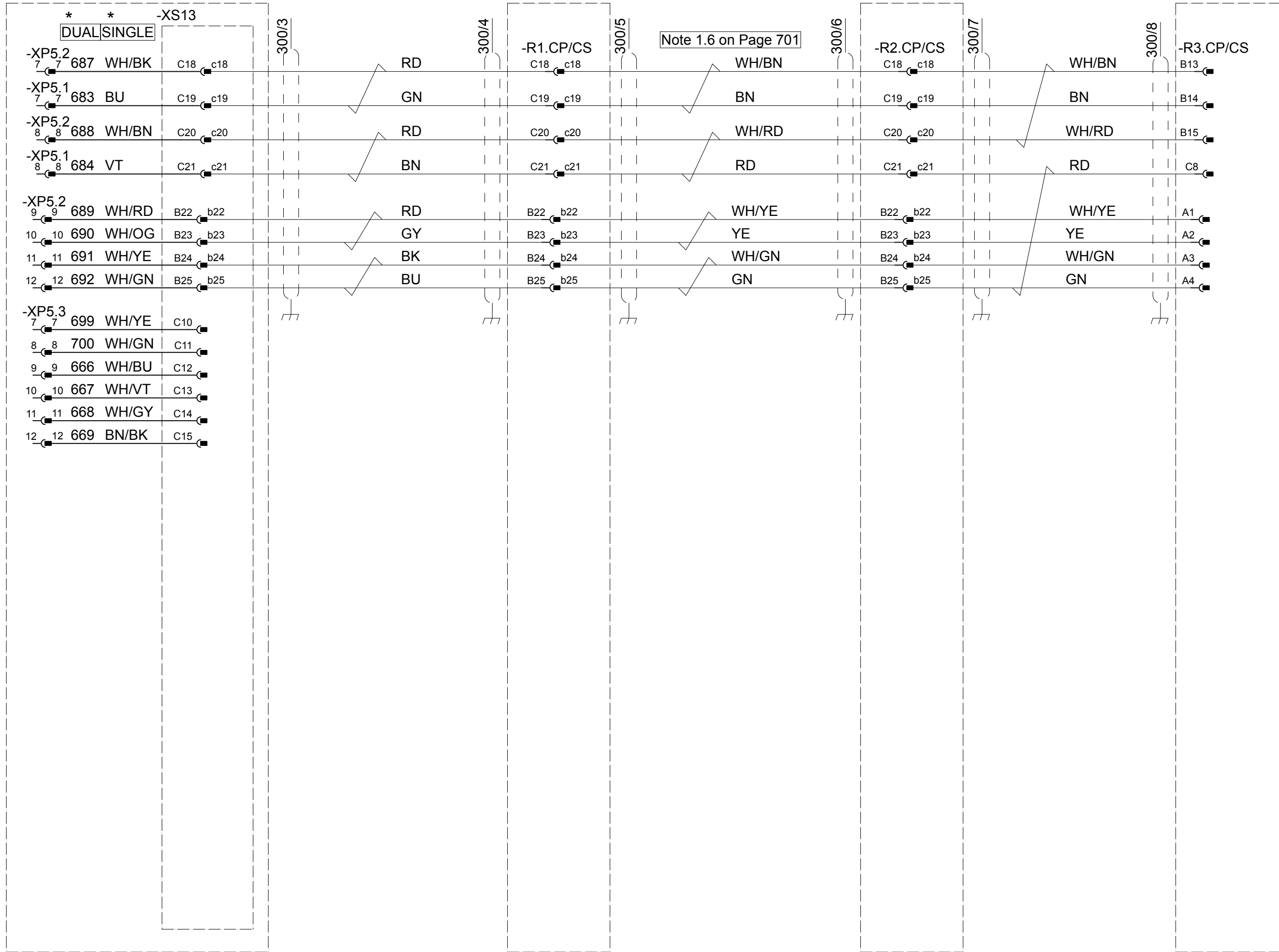
* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

-AXIS 3

-AXIS 6



Latest revision: ECO 70147, WI 7698
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 Page 316-321: Adjusted, "Type H" was "Type S"



Lab/Office:
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 PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = DP

APPROVED

Location: + H
 Sublocation: +

Document no.

Rev. Ind Page301

3HAC026209-001

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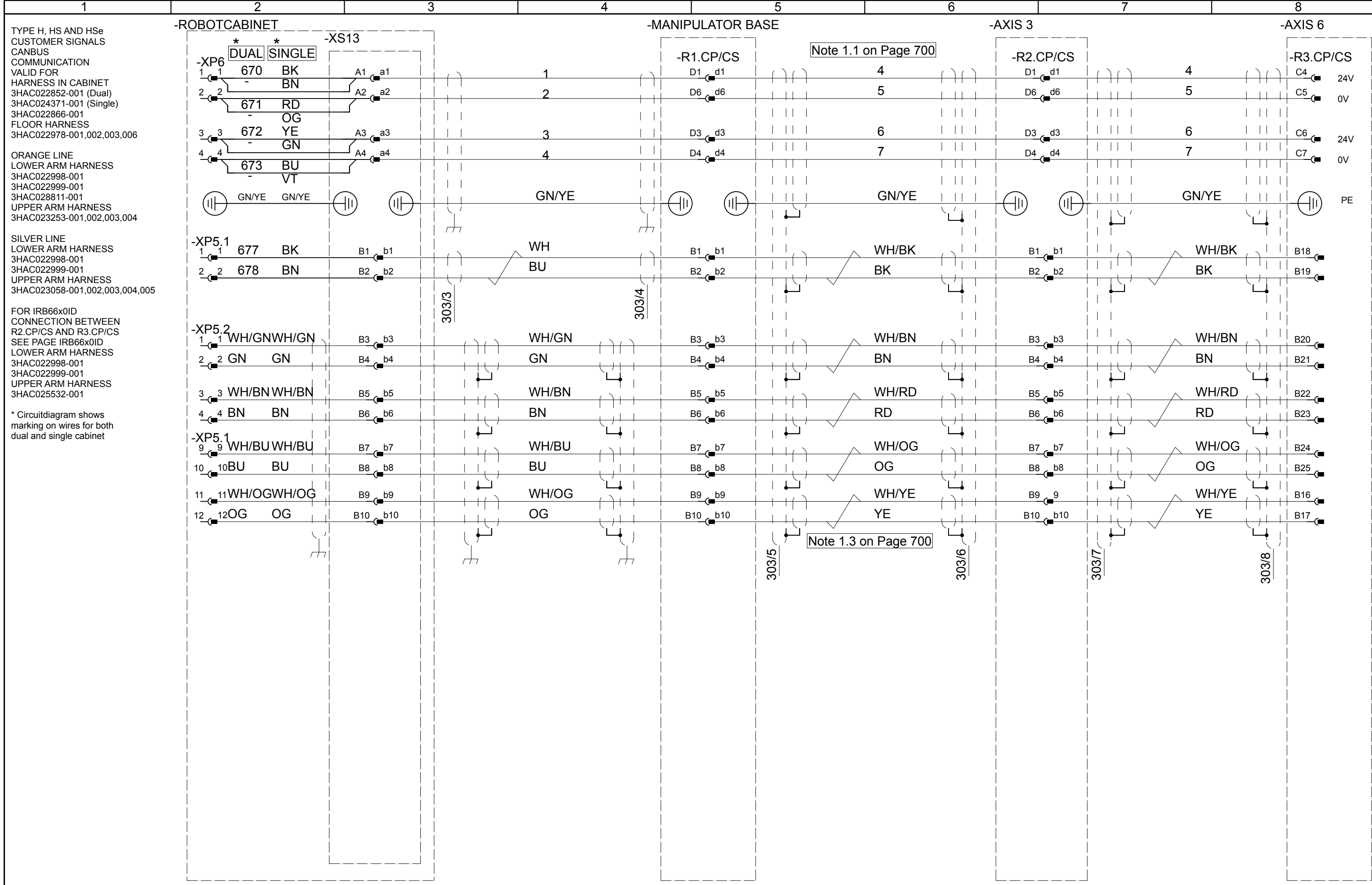
Prepared by, date: EM 2015-02-17

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TYPE H, HS AND HSe

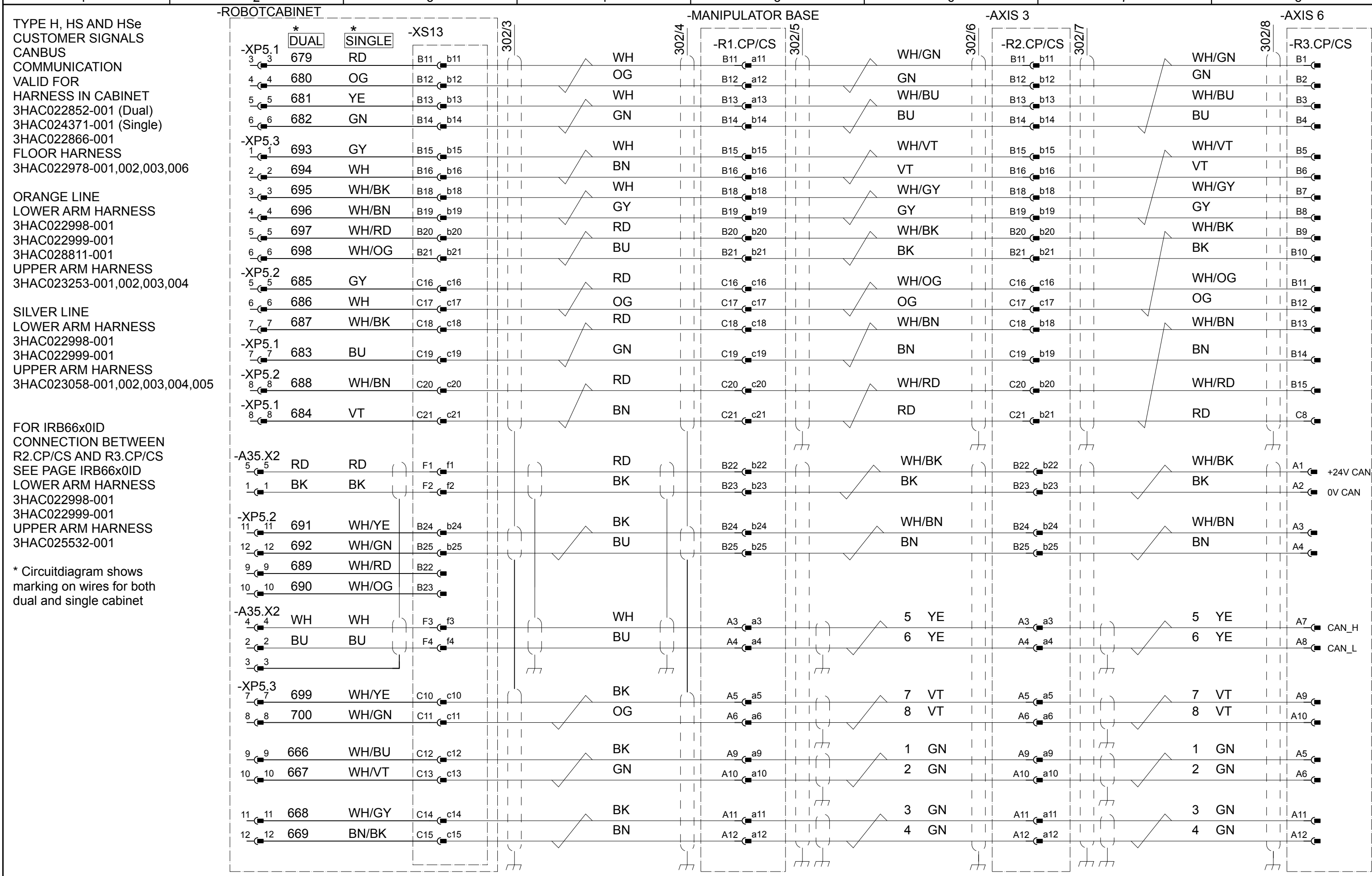
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TYPE H, HS AND HSe
 CUSTOMER SIGNALS
 CANBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022866-001
 FLOOR HARNESS
 3HAC022978-001,002,003,006

ORANGE LINE
 LOWER ARM HARNESS
 3HAC022998-001
 3HAC022999-001
 3HAC028811-001
 UPPER ARM HARNESS
 3HAC023253-001,002,003,004

SILVER LINE
 LOWER ARM HARNESS
 3HAC022998-001
 3HAC022999-001
 UPPER ARM HARNESS
 3HAC023058-001,002,003,004,005

FOR IRB66x0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66x0ID
 LOWER ARM HARNESS
 3HAC022998-001
 3HAC022999-001
 UPPER ARM HARNESS
 3HAC025532-001

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet

Latest revision: ECO 70147, WI 7698
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Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = DP
 Location: + H
 Sublocation: +

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CUSTOMER SIGNALS, CANBUS

TYPE H, HS AND HSe

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TYPE H, HS AND HSe
 CUSTOMER SIGNALS
 ETHERNET
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022867-001
 FLOOR HARNESS
 3HAC023024-001,002,003,006

ORANGE LINE
 LOWER ARM HARNESS
 3HAC034141-001
 UPPER ARM HARNESS
 3HAC023252-001,002,004

SILVER LINE
 LOWER ARM HARNESS
 3HAC034138-001
 3HAC034139-001
 UPPER ARM HARNESS
 3HAC034204-002
 3HAC026813-002

FOR IRB66X0ID
 CONNECTION BETWEEN
 R2.CP/CS AND R3.CP/CS
 SEE PAGE IRB66X0ID
 LOWER ARM HARNESS
 3HAC034138-001
 3HAC034139-001

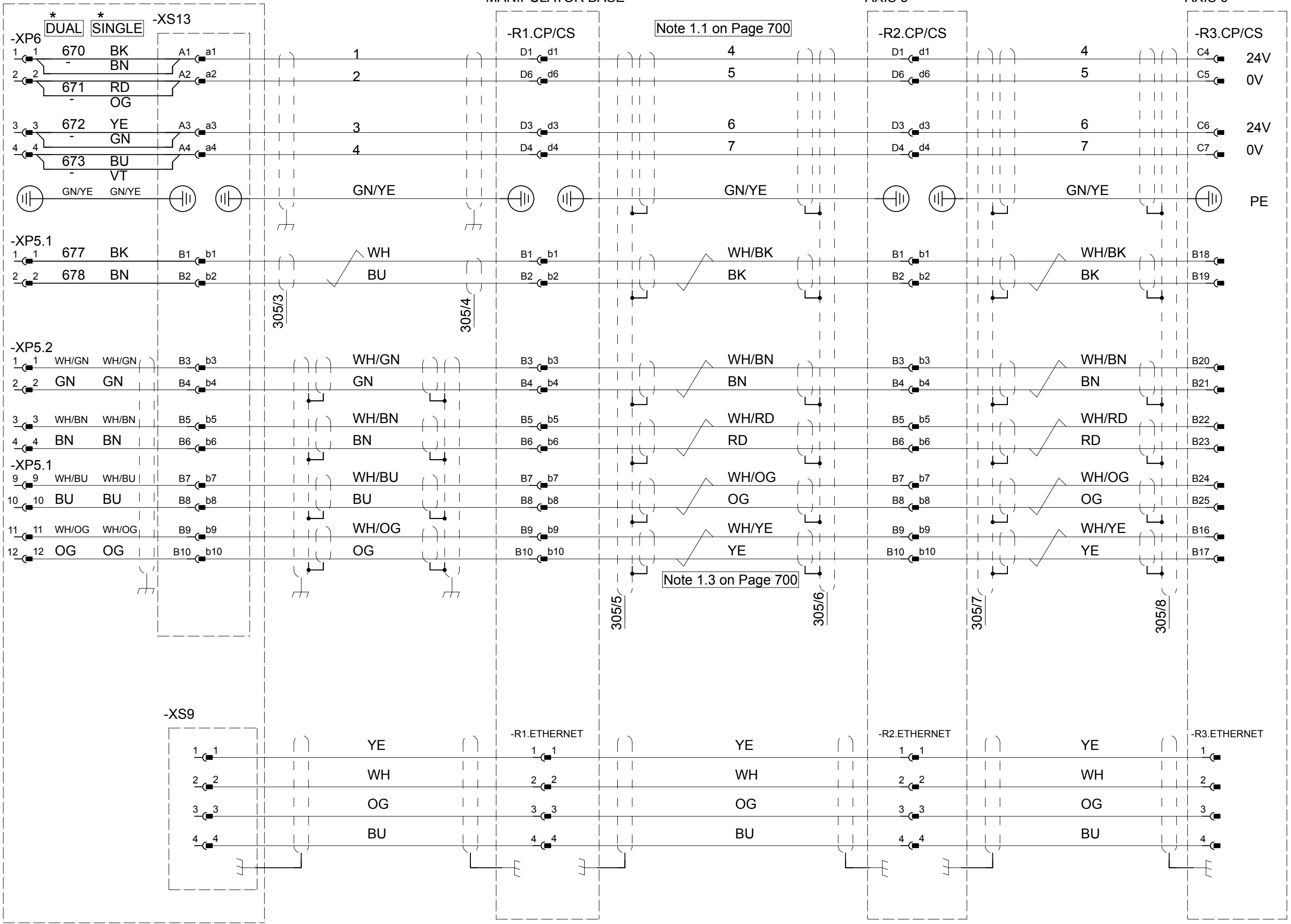
* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

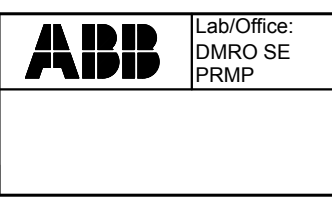
-AXIS 3

-AXIS 6



Latest revision: ECO 70147, WI 7698
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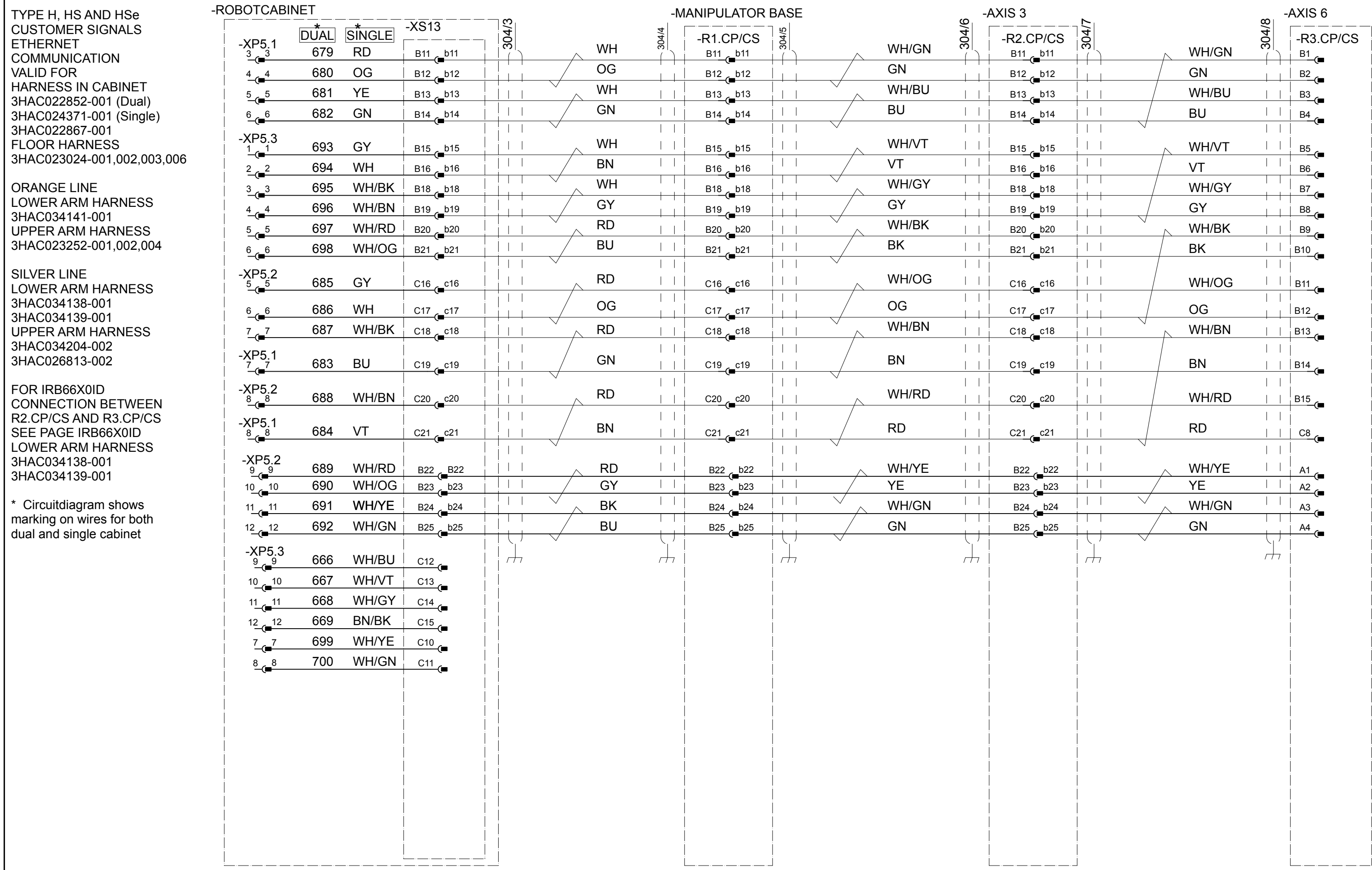


IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, ETHERNET
 TYPE H, HS AND HSe

Status: 2015-03-04
 Plant: = DP
 Location: + H
 Sublocation: +

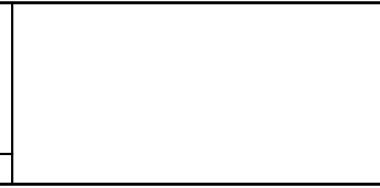
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, ETHERNET

TYPE H, HS AND HSe

Status: 2015-03-04

Plant: = DP
 Location: + H
 Sublocation: +

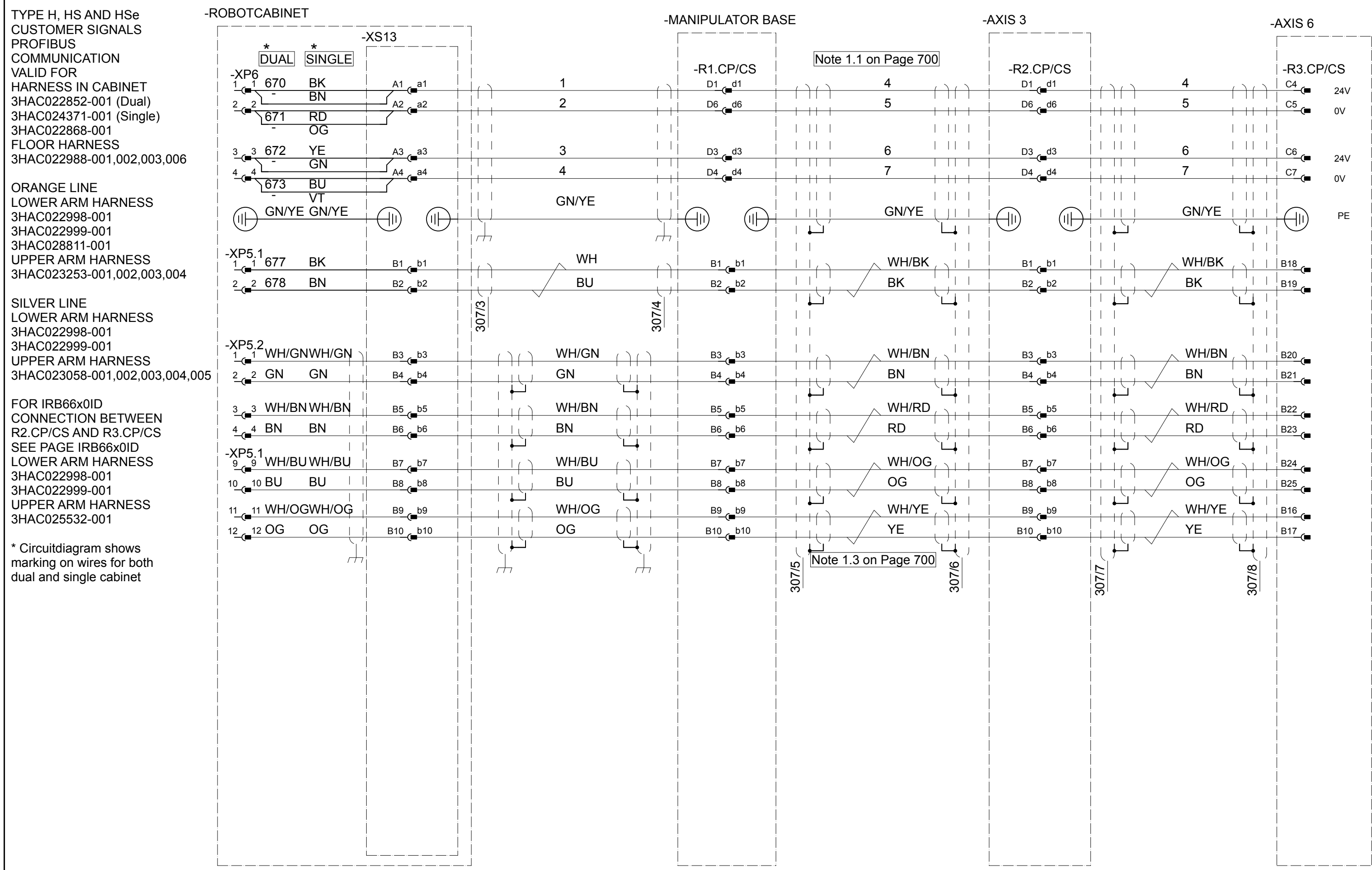
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TYPE H, HS AND HSe
CUSTOMER SIGNALS
PROFIBUS
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
3HAC022868-001
FLOOR HARNESS
3HAC022988-001,002,003,006

ORANGE LINE
LOWER ARM HARNESS
3HAC022998-001
3HAC022999-001
3HAC028811-001
UPPER ARM HARNESS
3HAC023253-001,002,003,004

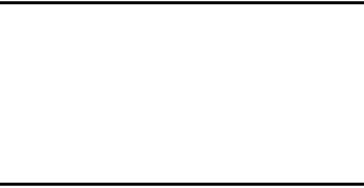
SILVER LINE
LOWER ARM HARNESS
3HAC022998-001
3HAC022999-001
UPPER ARM HARNESS
3HAC023058-001,002,003,004,005

FOR IRB66x0ID
CONNECTION BETWEEN
R2.CP/CS AND R3.CP/CS
SEE PAGE IRB66x0ID
LOWER ARM HARNESS
3HAC022998-001
3HAC022999-001
UPPER ARM HARNESS
3HAC025532-001

* Circuitdiagram shows
marking on wires for both
dual and single cabinet

Latest revision: ECO 70147, WI 7698
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Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04



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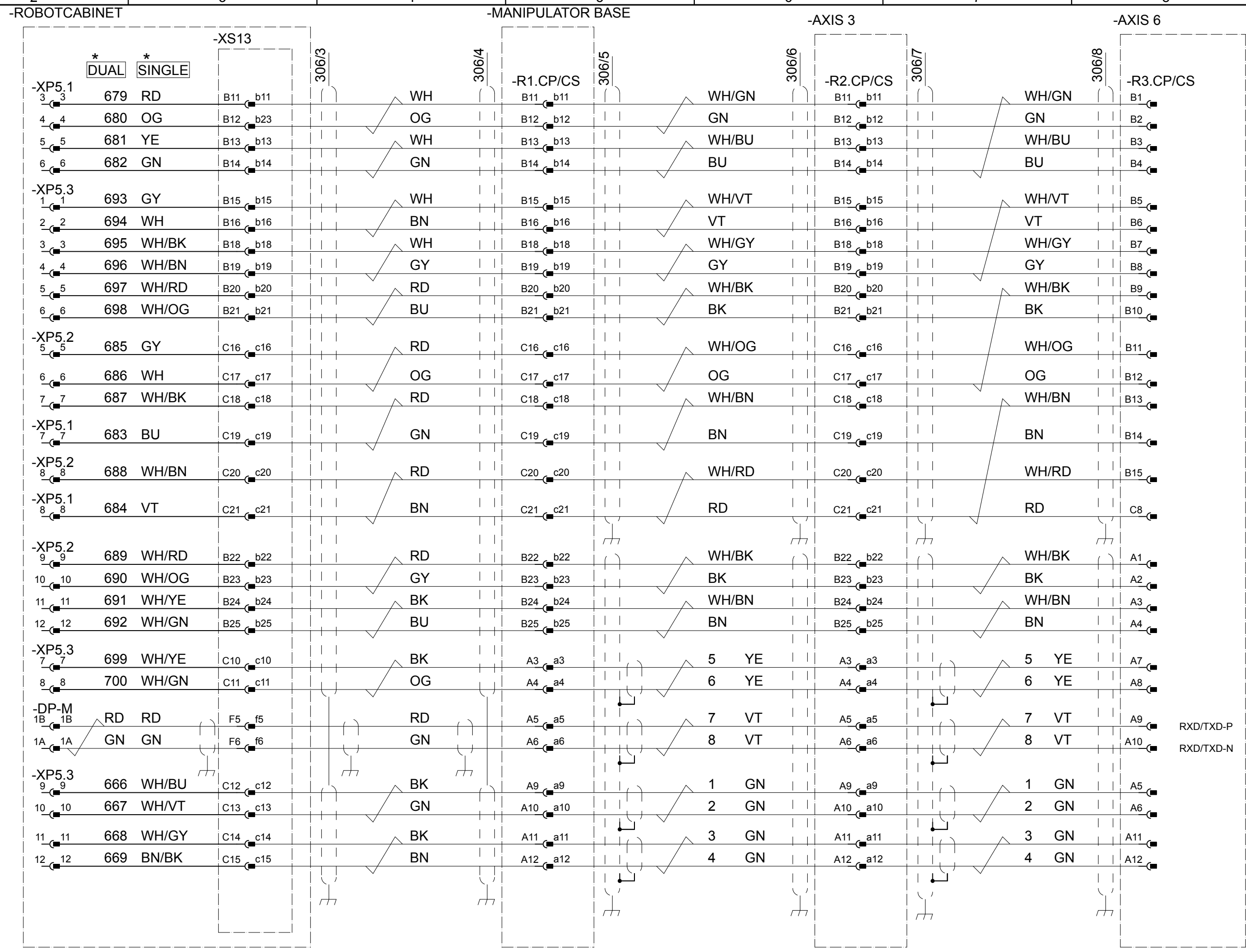
IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
CUSTOMER SIGNALS, PROFIBUS
TYPE H, HS AND HSe

Status: 2015-03-04
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Document no.
3HAC026209-001

Plant: = DP
Location: + H
Sublocation: +

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Total 98

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* Circuitdiagram shows marking on wires for both dual and single cabinet

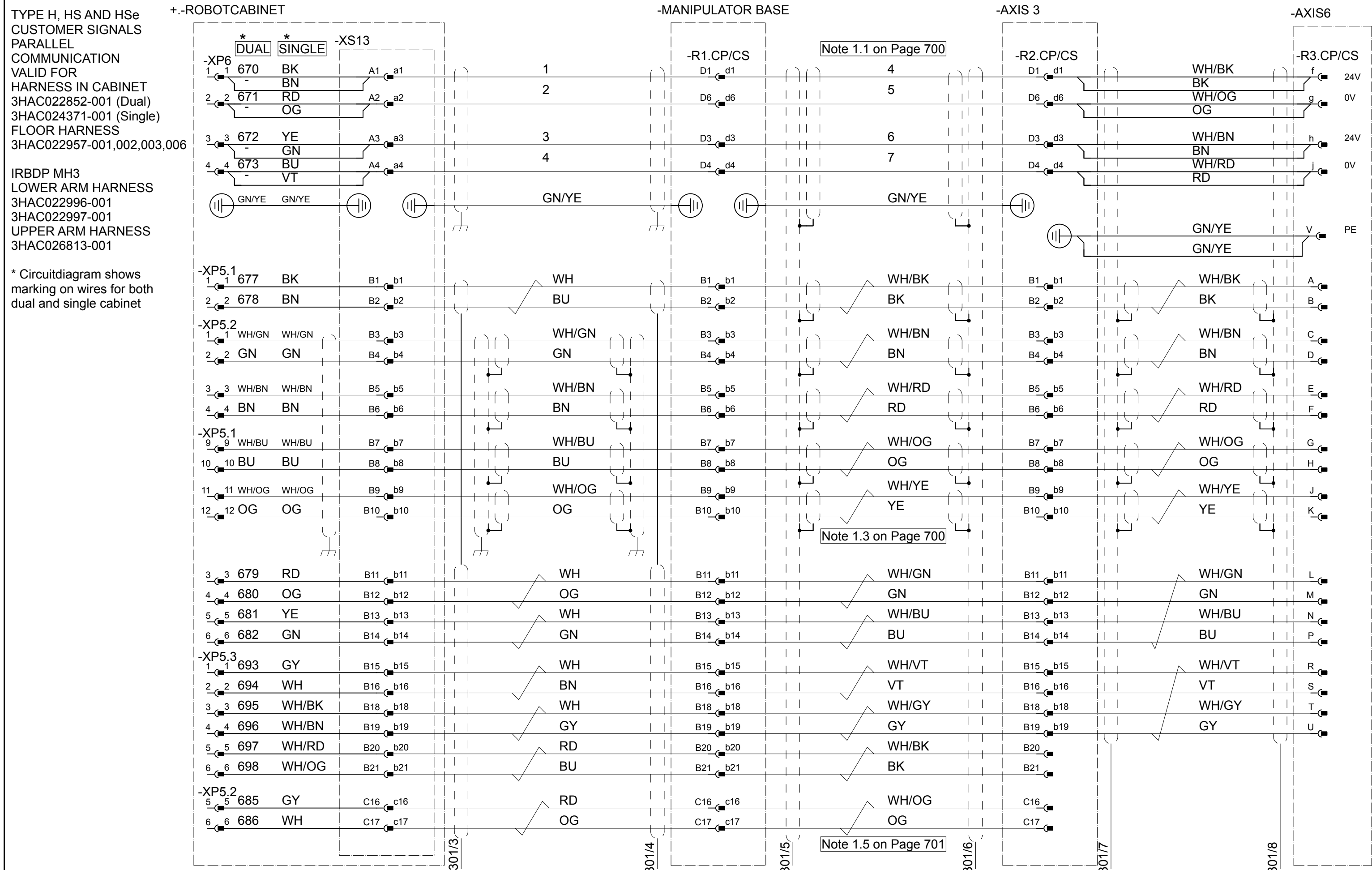
Latest revision: ECO 70147, WI 7698
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 IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PROFIBUS
 TYPE H, HS AND HSe

Status: 2015-03-04
 Plant: = DP
 Location: + H
 Sublocation: +
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Prepared by, date: EM 2015-02-17	Approved by, date: JEN 2015-03-04							

TYPE H, HS AND HSE
CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
FLOOR HARNESS
3HAC022957-001,002,003,006

IRBDP MH3
LOWER ARM HARNESS
3HAC022996-001
3HAC022997-001

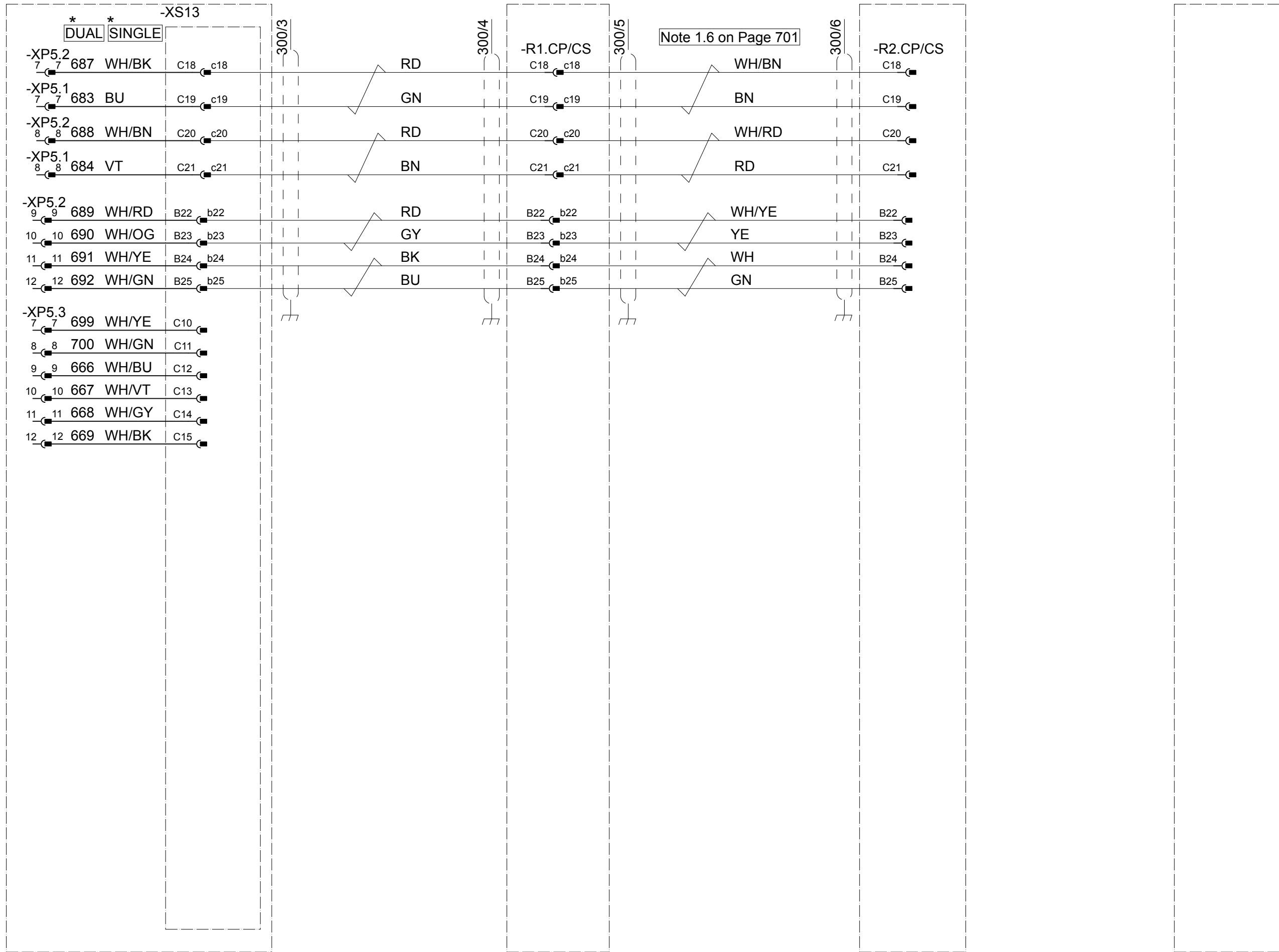
* Circuitdiagram shows
marking on wires for both
dual and single cabinet

-ROBOTCABINET

-MANIPULATOR BASE

-AXIS 3

-AXIS 6



Latest revision: ECO 70147, WI 7698
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, PARALLEL

TYPE H, HS AND HSe

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + H

Sublocation: + 1

Rev. Ind

12

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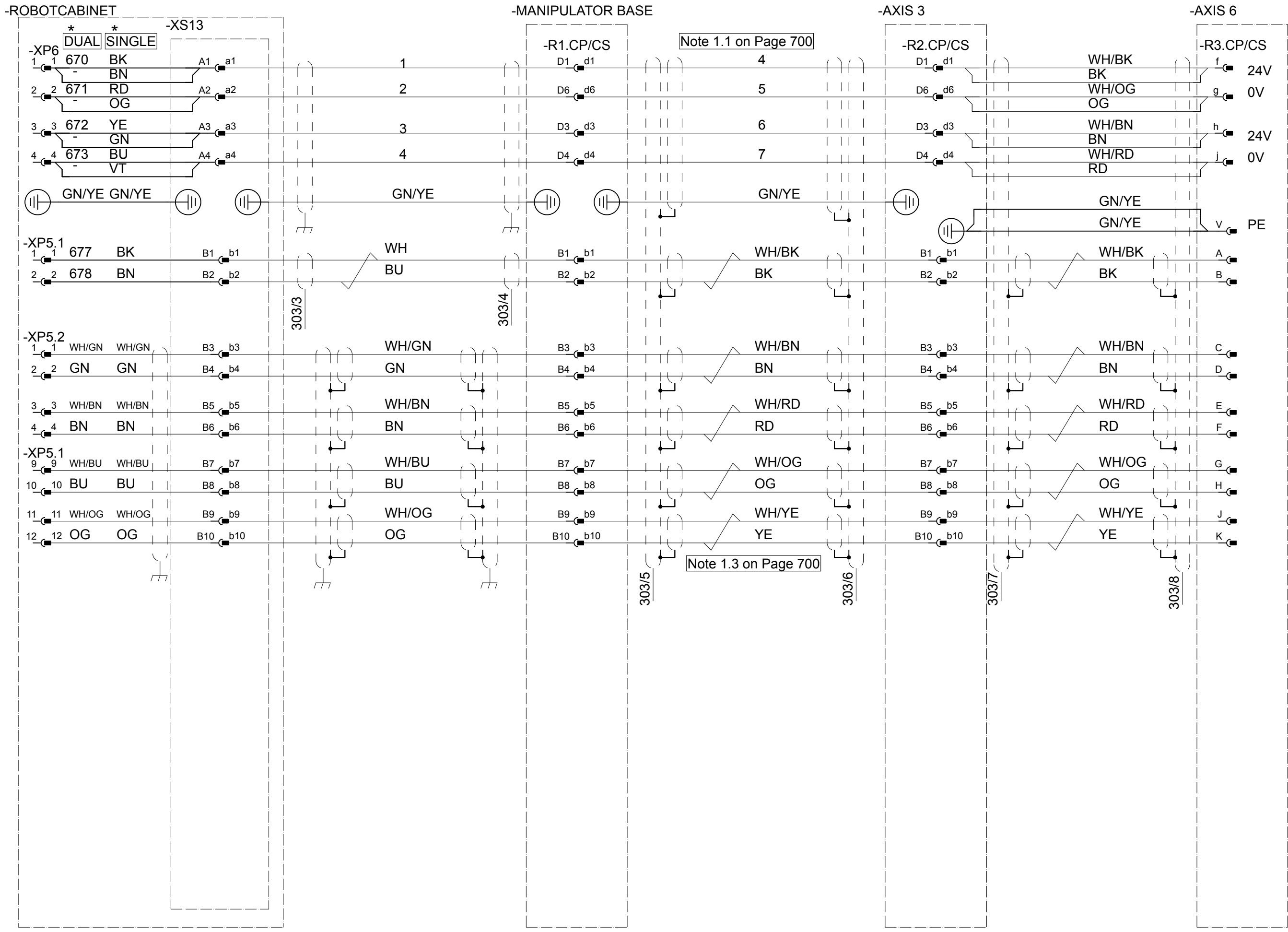
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Approved by, date: JEN 2015-03-04

TYPE H, HS AND HSe
 CUSTOMER SIGNALS
 CANBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001(Dual)
 3HAC024371-001 (Single)
 3HAC022866-001
 FLOOR HARNESS
 3HAC022978-001,002,003,006

IRBDP MH3
 LOWER ARM HARNESS
 3HAC022998-001
 3HAC022999-001
 UPPER ARM HARNESS
 3HAC026813-002

* Circuitdiagram shows marking on wires for both dual and single cabine



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Lab/Office:
 DMRO SE
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, CANBUS

TYPE H, HS AND HSe

Status: 2015-03-04

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Document no.
 3HAC026209-001

Plant: = DP
 Location: + H
 Sublocation: + 1

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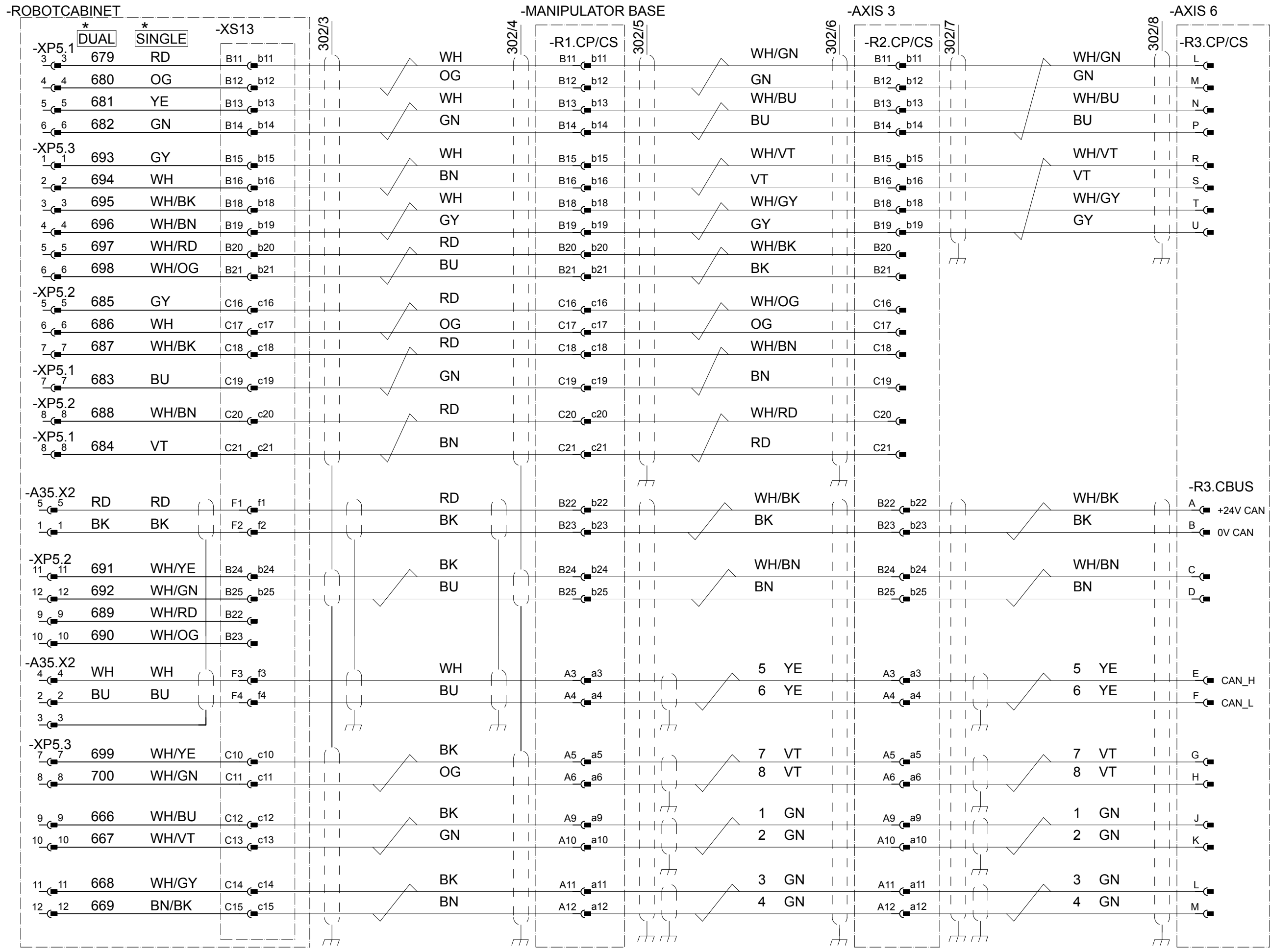
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TYPE H, HS AND HSe
 CUSTOMER SIGNALS
 CANBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022866-001
 FLOOR HARNESS
 3HAC022978-001,002,003,006

IRBDP MH3
 LOWER ARM HARNESS
 3HAC022998-001
 3HAC022999-001
 UPPER ARM HARNESS
 3HAC026813-002

* Circuitdiagram shows marking on wires for both dual and single cabine



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Lab/Office:
 DMRO SE
 PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, CANBUS
 TYPE H, HS AND HSe

Status: 2015-03-04
APPROVED
 Document no.
 3HAC026209-001

Plant: = DP
 Location: + H
 Sublocation: + 1

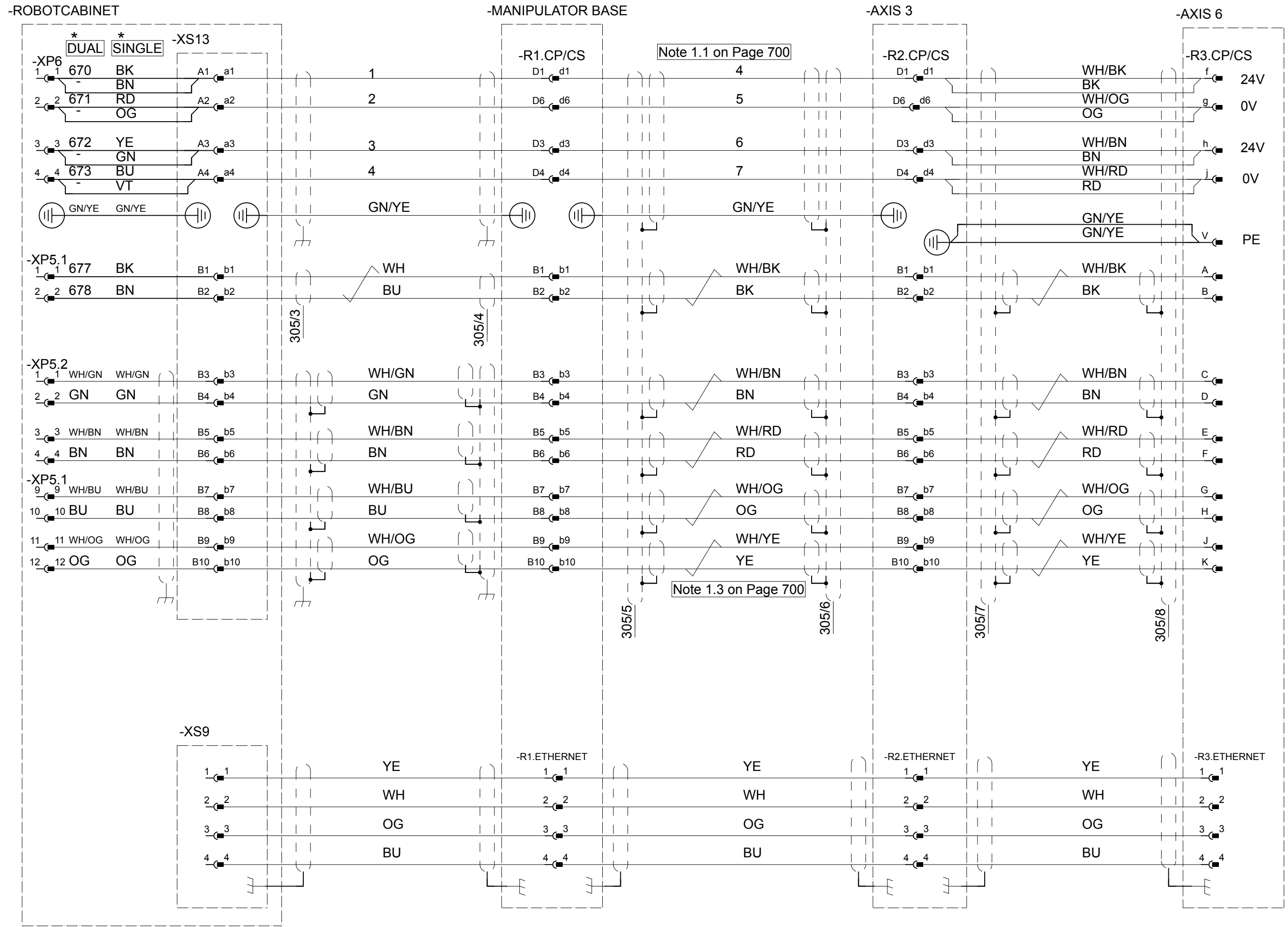
Rev. Ind Page311
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 Total 98

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TYPE H, HS AND HSe
 CUSTOMER SIGNALS
 ETHERNET
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022858-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022867-001
 FLOOR HARNESS
 3HAC023024-001,002,003,006

IRBDP MH3
 LOWER ARM HARNESS
 3HAC034138-001
 3HAC034139-001
 UPPER ARM HARNESS
 3HAC026813-001
 3HAC034204-001

* Circuitdiagram shows marking on wires for both dual and single cabine



Latest revision: ECO 70147, WI 7698
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Lab/Office:
 DMRO SE
 PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, ETHERNET
 TYPE H, HS AND HSe

Status: 2015-03-04
 Plant: = DP
 Location: + H
 Sublocation: + 1

APPROVED
 Document no. 3HAC026209-001
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TYPE H, HS AND HSe
CUSTOMER SIGNALS
ETHERNET
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022858-001 (Dual)
3HAC024371-001 (Single)
3HAC022867-001
FLOOR HARNESS
3HAC023024-001,002,003,006

IRBDP MH3
LOWER ARM HARNESS
3HAC034138-001
3HAC034139-001
UPPER ARM HARNESS
3HAC026813-001
3HAC034204-001

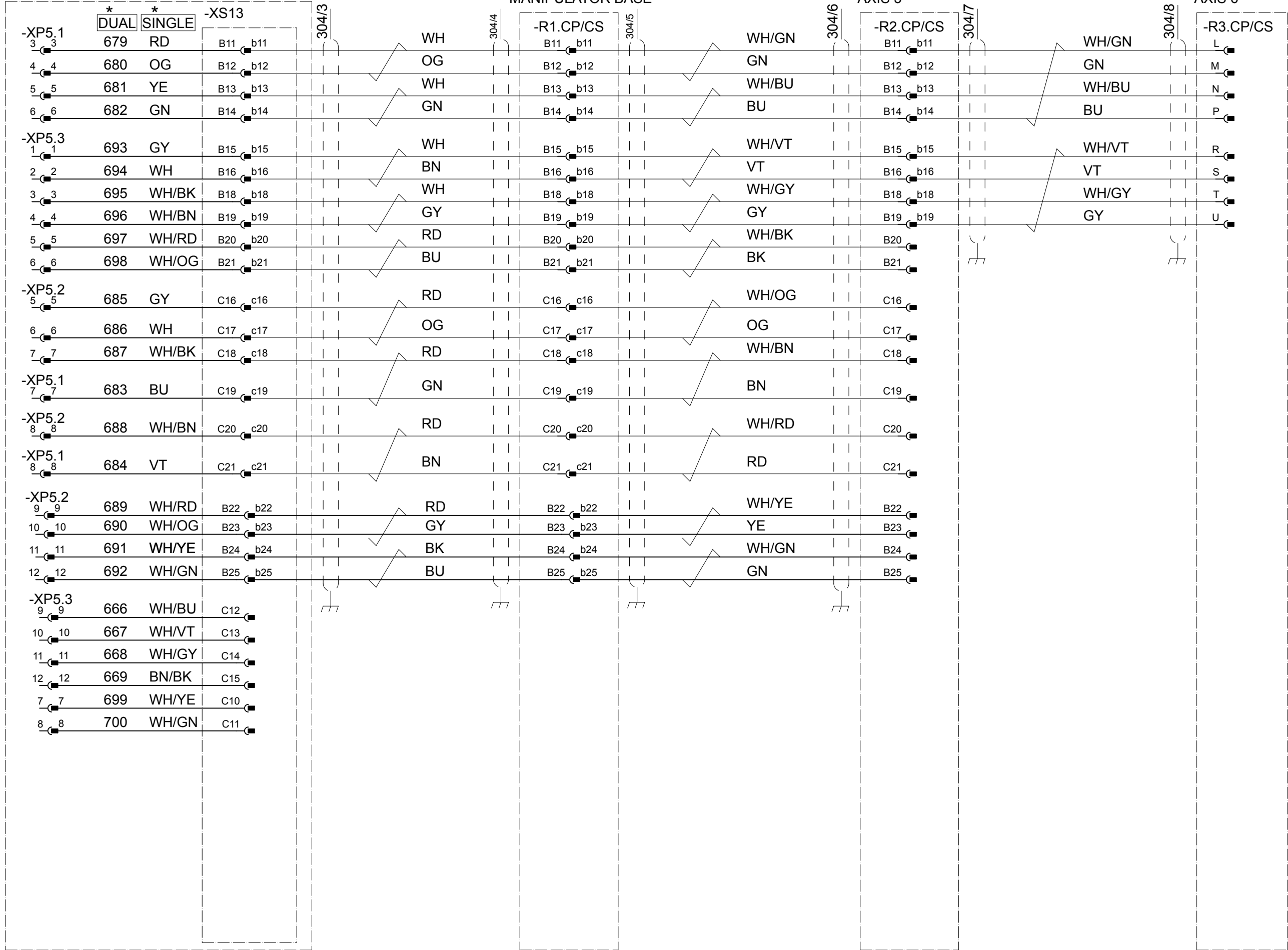
* Circuitdiagram shows
marking on wires for both
dual and single cabine

-ROBOTCABINET

-MANIPULATOR BASE

-AXIS 3

-AXIS 6



Latest revision: ECO 70147, WI 7698
Page 224-231: Adjusted, "Type Se" was "Type S"
Page 316-321: Adjusted, "Type H" was "Type S"



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, ETHERNET

TYPE H, HS AND HSe

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + H

Sublocation: + 1

Rev. Ind Page313

12 Next 314

Total 98

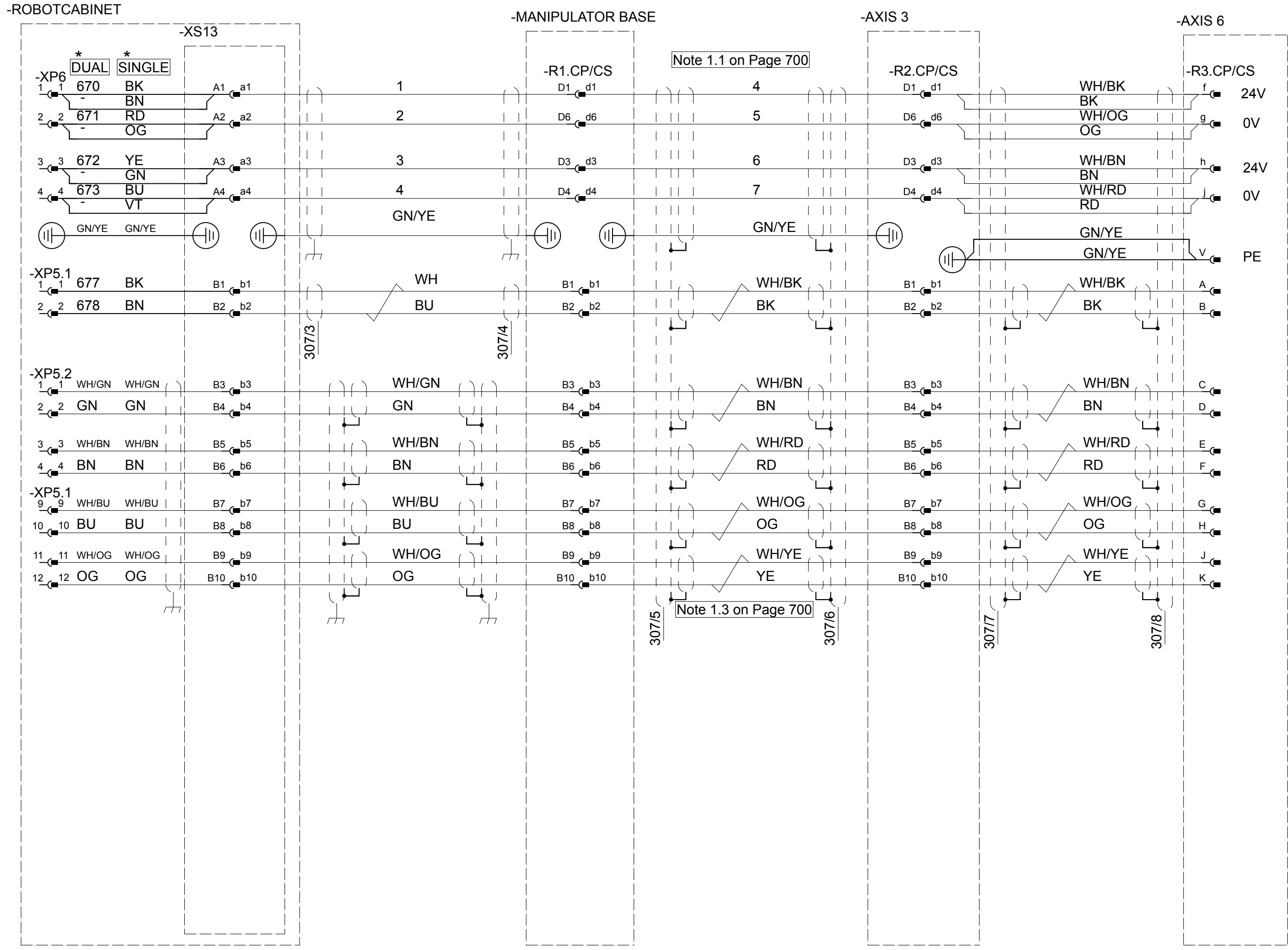
Prepared by, date: EM 2015-02-17 | Approved by, date: JEN 2015-03-04

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TYPE H, HS AND HSe
 CUSTOMER SIGNALS
 PROFIBUS
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 3HAC022868-001
 FLOOR HARNESS
 3HAC022988-001,002,003,006

IRBDP MH3
 LOWER ARM HARNESS
 3HAC022998-001
 3HAC022999-001
 UPPER ARM HARNESS
 3HAC026813-002

* Circuitdiagram shows marking on wires for both dual and single cabine



Latest revision: ECO 70147, WI 7698
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 Page 316-321: Adjusted, "Type H" was "Type S"

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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PROFIBUS
 TYPE H, HS AND HSe

Status: 2015-03-04
 Plant: = DP
 Location: + H
 Sublocation: + 1

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Document no. 3HAC026209-001 | Rev. Ind 12 | Page 314 | Next 315 | Total 98

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TYPE H, HS AND HSe
CUSTOMER SIGNALS
PROFIBUS
COMMUNICATION
VALID FOR
HARNESS IN CABINET
3HAC022852-001 (Dual)
3HAC024371-001 (Single)
3HAC022868-001
FLOOR HARNESS
3HAC022988-001,002,003,006

IRBDP MH3
LOWER ARM HARNESS
3HAC022998-001
3HAC022999-001
UPPER ARM HARNESS
3HAC026813-002

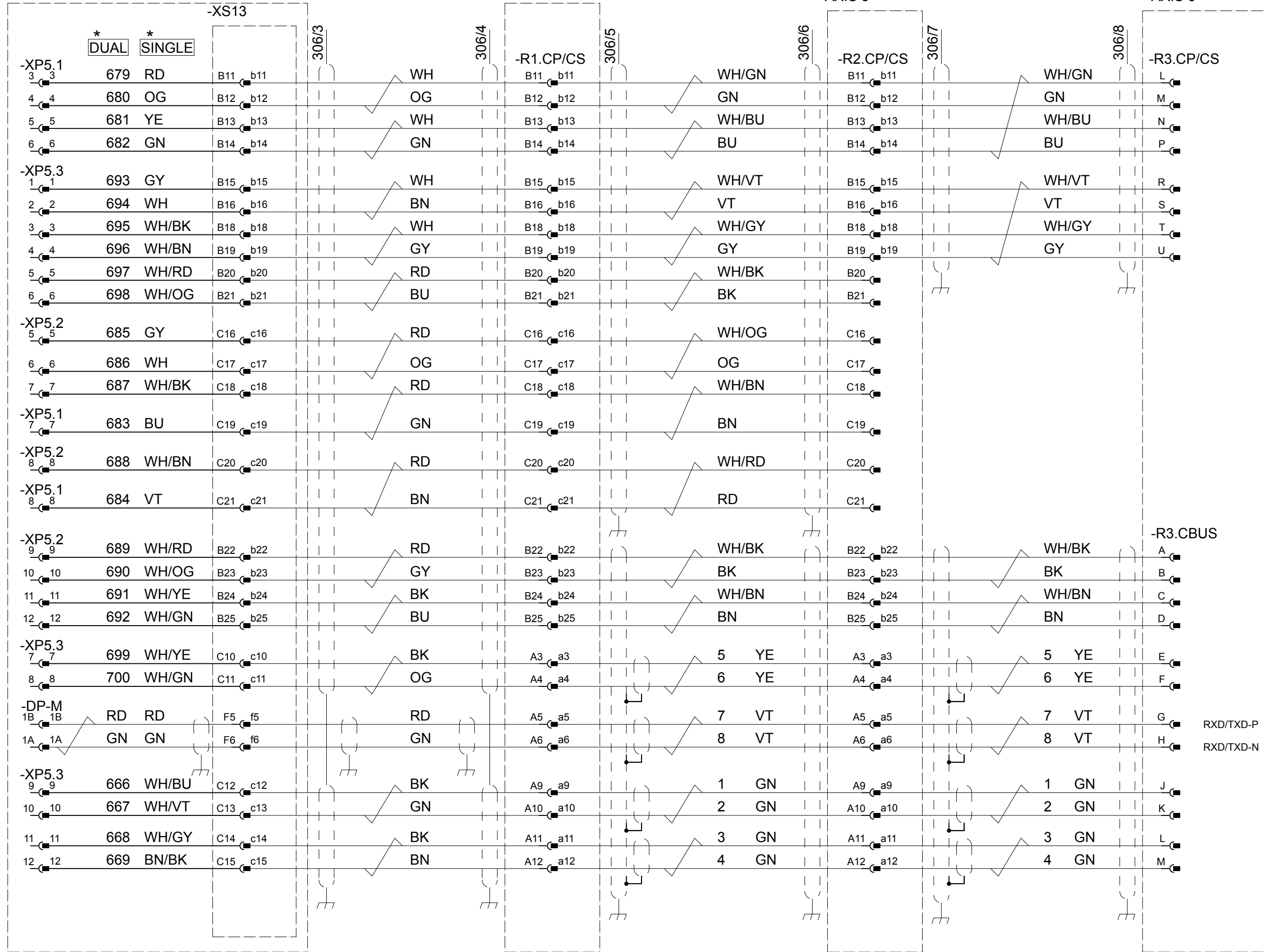
* Circuitdiagram shows marking on wires for both dual and single cabine

-ROBOTCABINET

-MANIPULATOR BASE

-AXIS 3

-AXIS 6



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CUSTOMER SIGNALS, PROFIBUS

TYPE H, HS AND HSe

Status: 2015-03-04

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Document no.

3HAC026209-001

Plant: = DP

Location: + H

Sublocation: + 1

Rev. Ind Page 315

12 Next +/316

Total 98

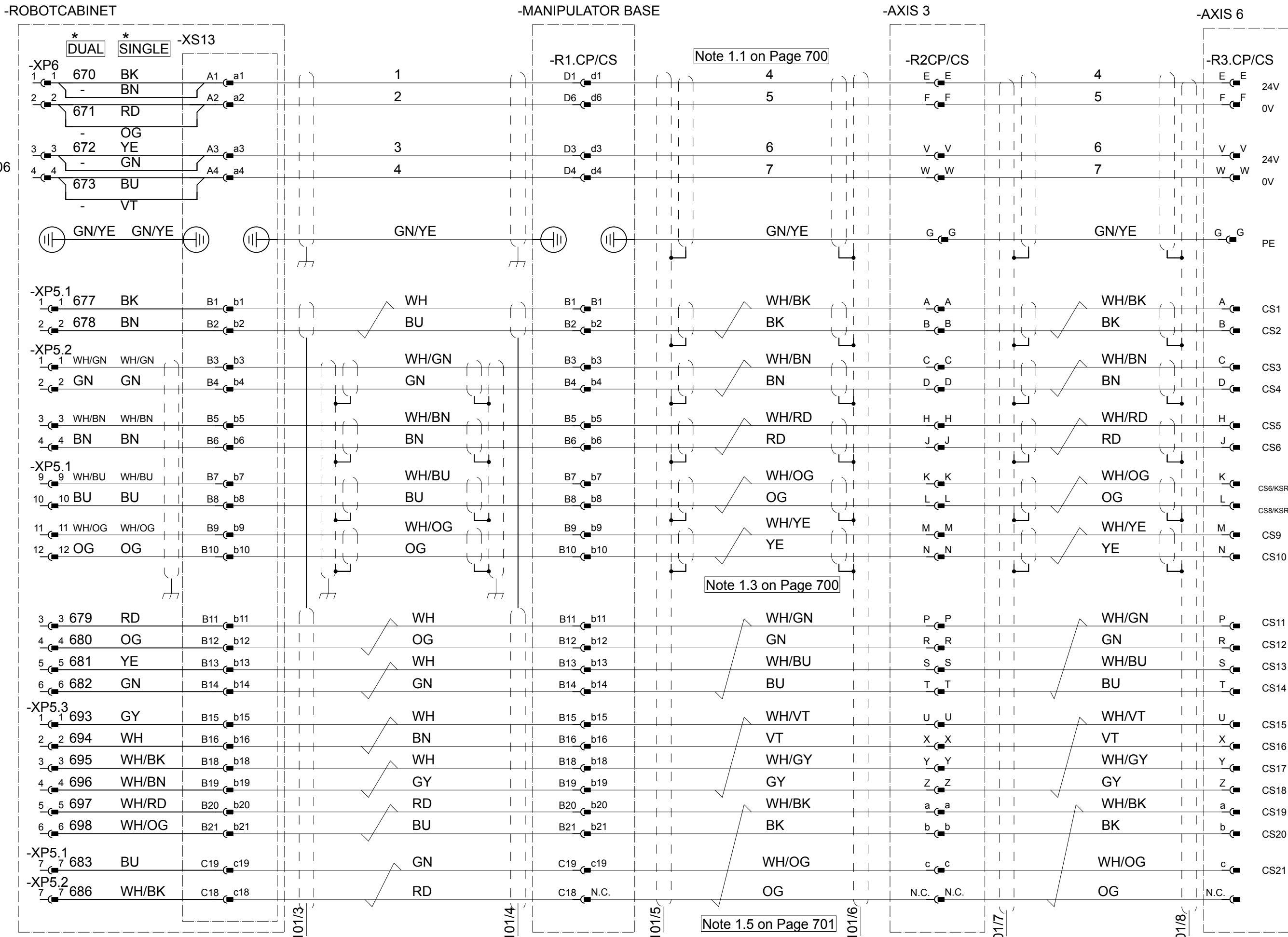
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TYPE H
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

MH6
 LOWER ARM HARNESS
 3HAC043042-001
 UPPER ARM HARNESS
 3HAC043045-001

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet

N.C.=Not Connected



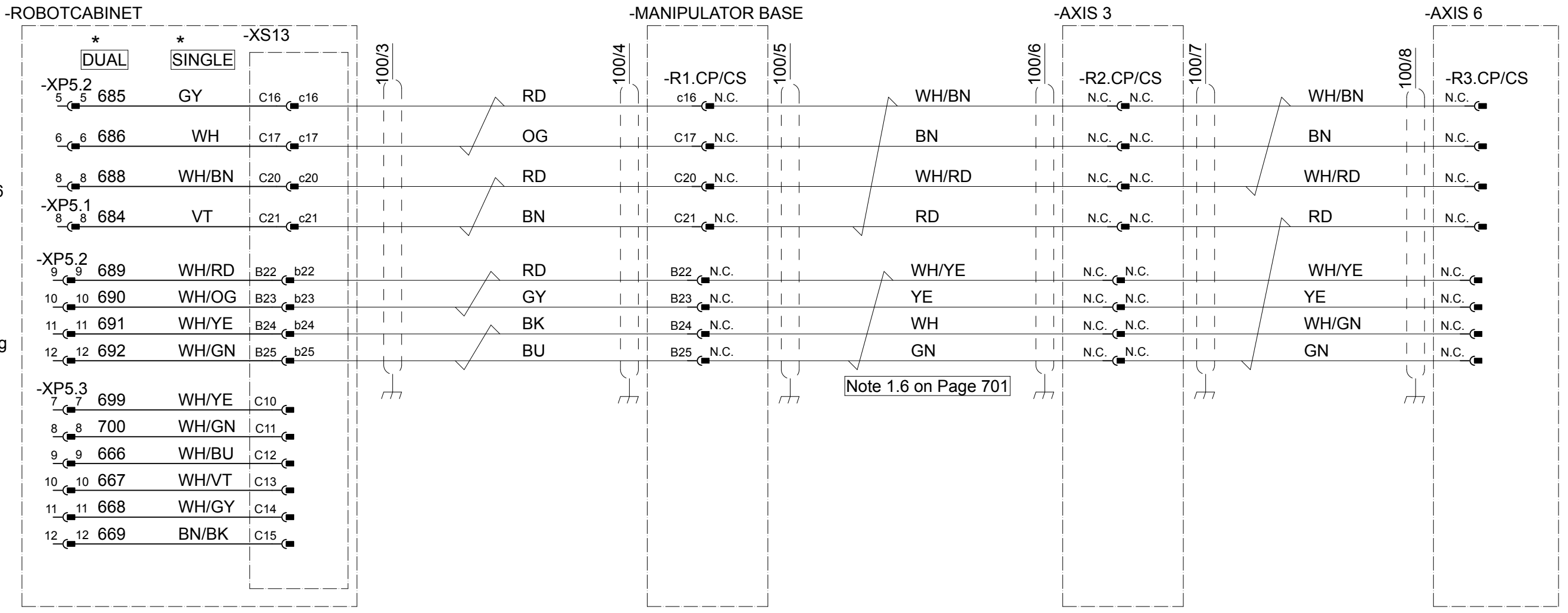
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TYPE H
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

MH6
 LOWER ARM HARNESS
 3HAC043042-001
 UPPER ARM HARNESS
 3HAC043045-001

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet

N.C.=Not Connected



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, PARALLEL
 TYPE H

Status: 2015-03-04
 Plant: = DP
 Location: + H
 Sublocation: +

APPROVED

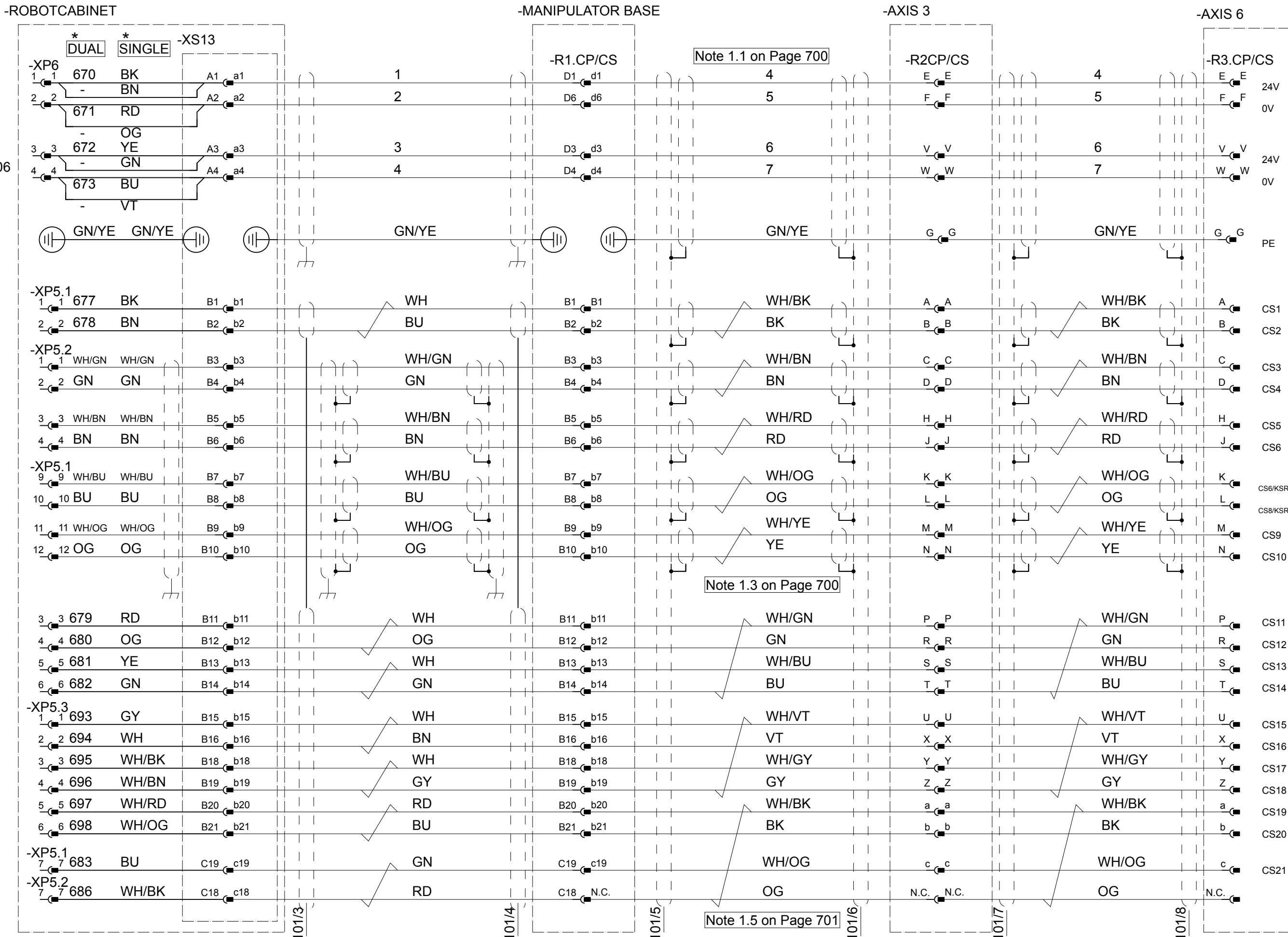
Document no. 3HAC026209-001 | Rev. Ind 12 | Page 317 | Next 318 | Total 98

TYPE H
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

MH6
 LOWER ARM HARNESS
 3HAC043043-001
 UPPER ARM HARNESS
 3HAC043046-001

* Circuitdiagram shows
 marking on wires for both
 dual and single cabinet

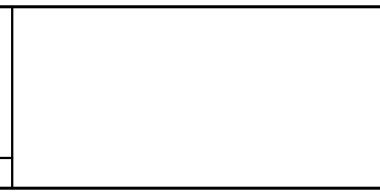
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
 CUSTOMER SIGNALS, CANBUS
 TYPE H

Status: 2015-03-04
 Plant: = DP
 Location: + H
 Sublocation: +

APPROVED

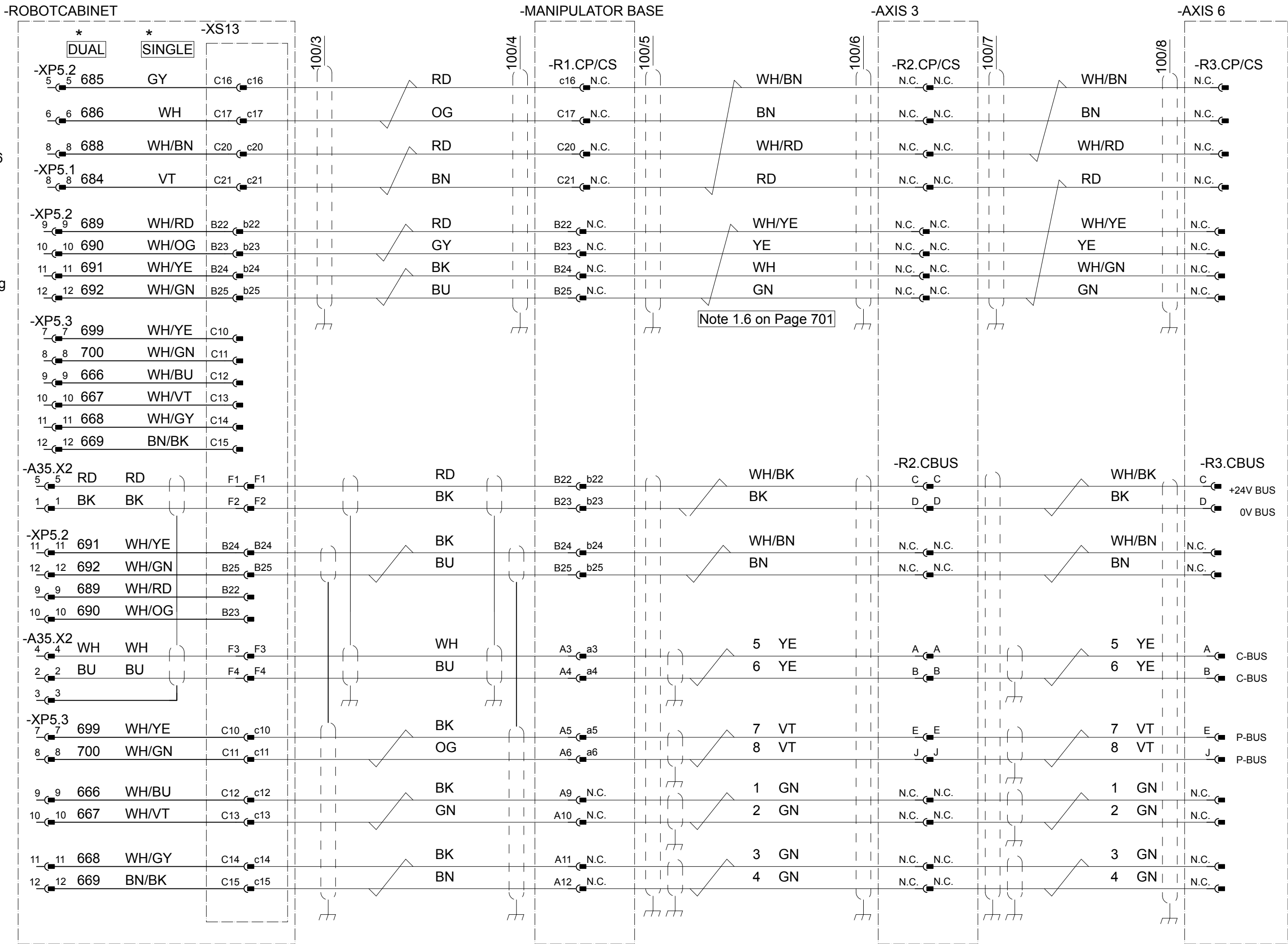
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TYPE H
 CUSTOMER SIGNALS
 PARALLEL
 COMMUNICATION
 VALID FOR
 HARNESS IN CABINET
 3HAC022852-001 (Dual)
 3HAC024371-001 (Single)
 FLOOR HARNESS
 3HAC022957-001,002,003,006

MH6
 LOWER ARM HARNESS
 3HAC043043-001
 UPPER ARM HARNESS
 3HAC043046-001

* Circuitdiagram shows marking
 on wires for both dual and
 single cabinet

N.C.=Not Connected



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

CUSTOMER SIGNALS, CANBUS

TYPE H

Status: 2015-03-04

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Document no.
 3HAC026209-001

Plant: = DP

Location: + H

Sublocation: +

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 12 Next 320
 Total 98

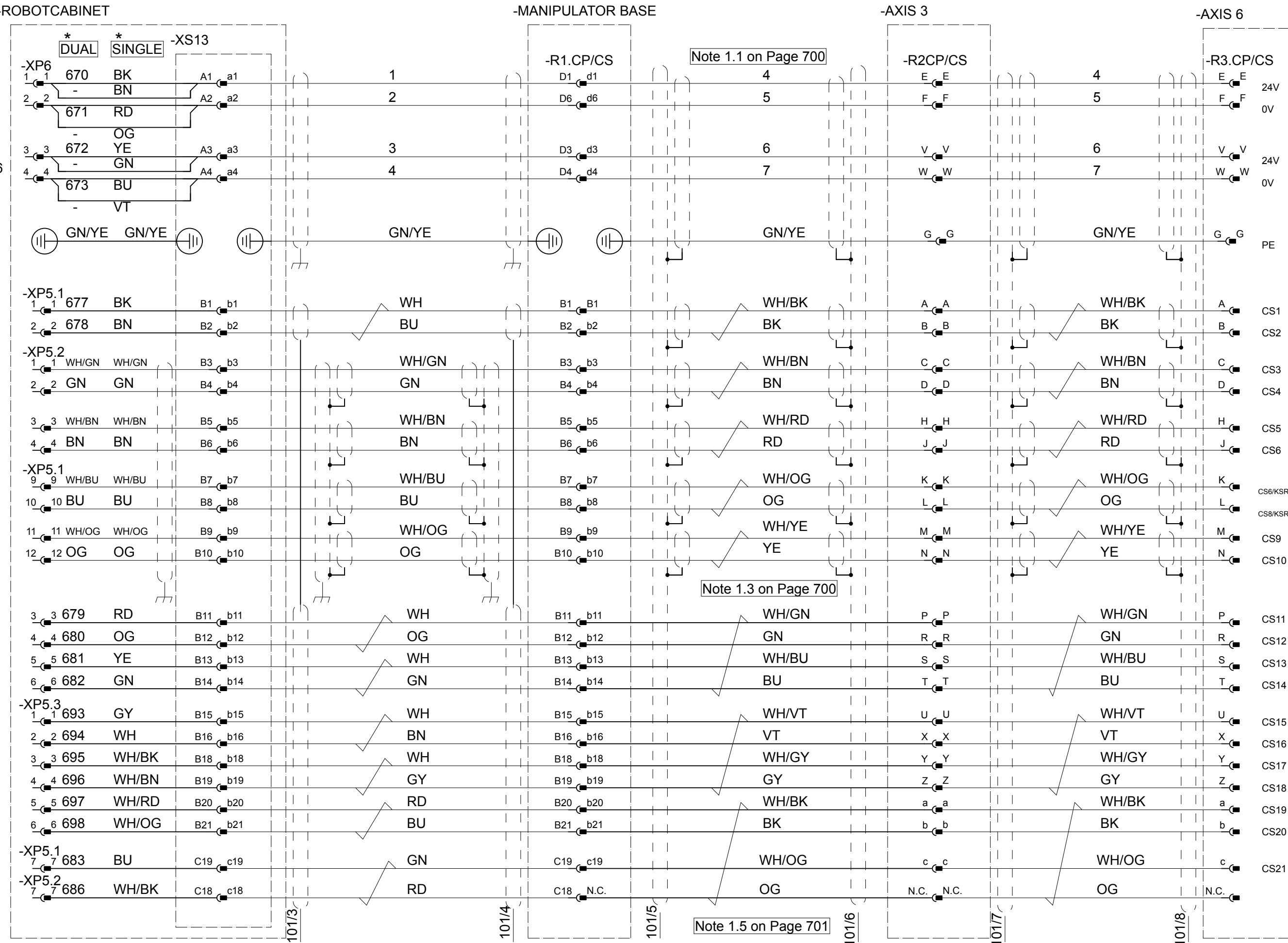
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CUSTOMER SIGNALS
PARALLEL
COMMUNICATION
VALID FOR
HARNESS IN CABINET
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3HAC024371-001 (Single)
FLOOR HARNESS
3HAC022957-001,002,003,006

MH6
LOWER ARM HARNESS
3HAC043044-001
UPPER ARM HARNESS
3HAC043047-001

* Circuitdiagram shows marking on wires for both dual and single cabinet

N.C.=Not Connected

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CUSTOMER SIGNALS, ETHERNET

TYPE H

Status: 2015-03-04

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Document no.

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Location: + H

Sublocation: +

Rev. Ind

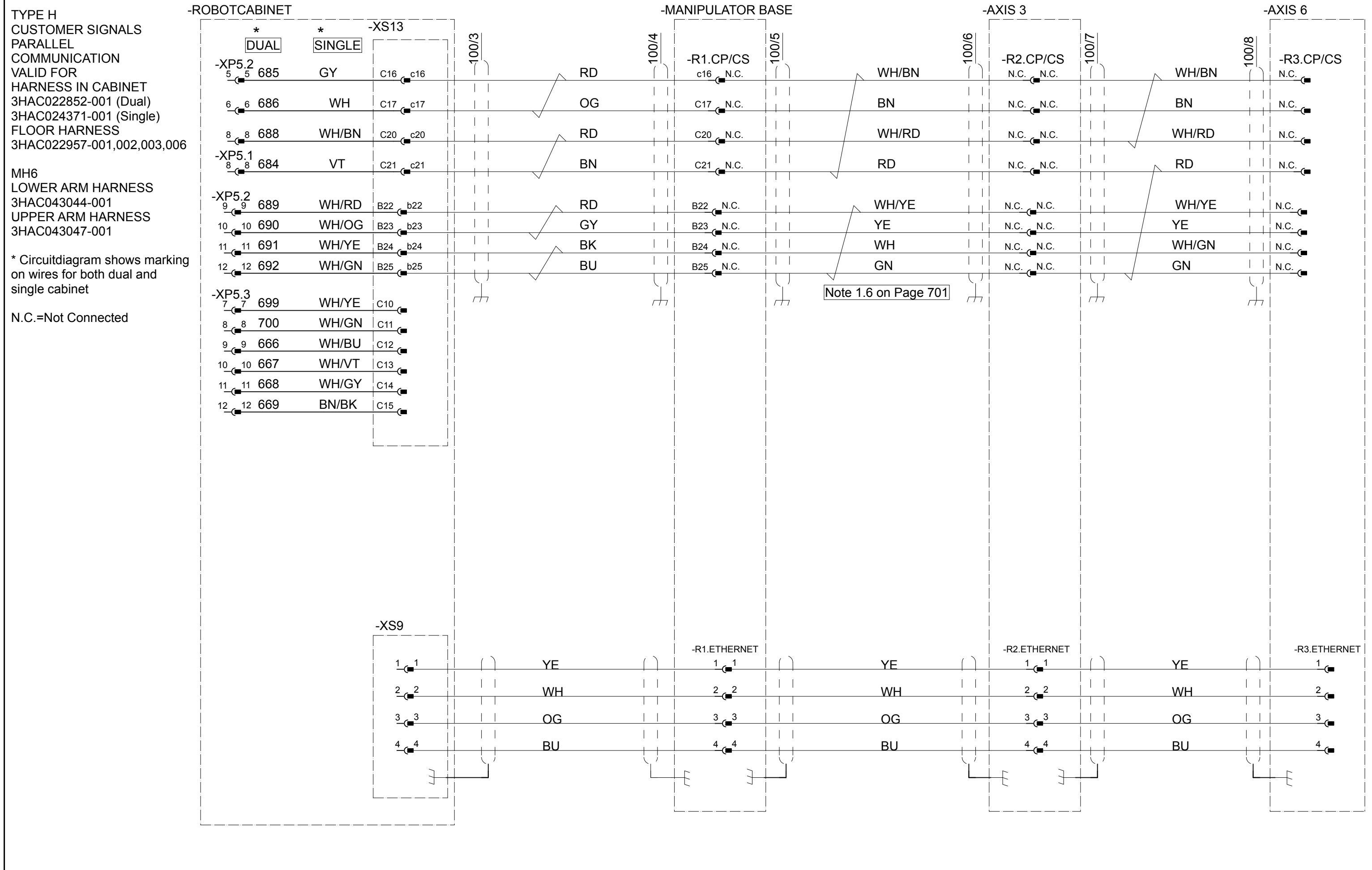
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Page 320

Next 321

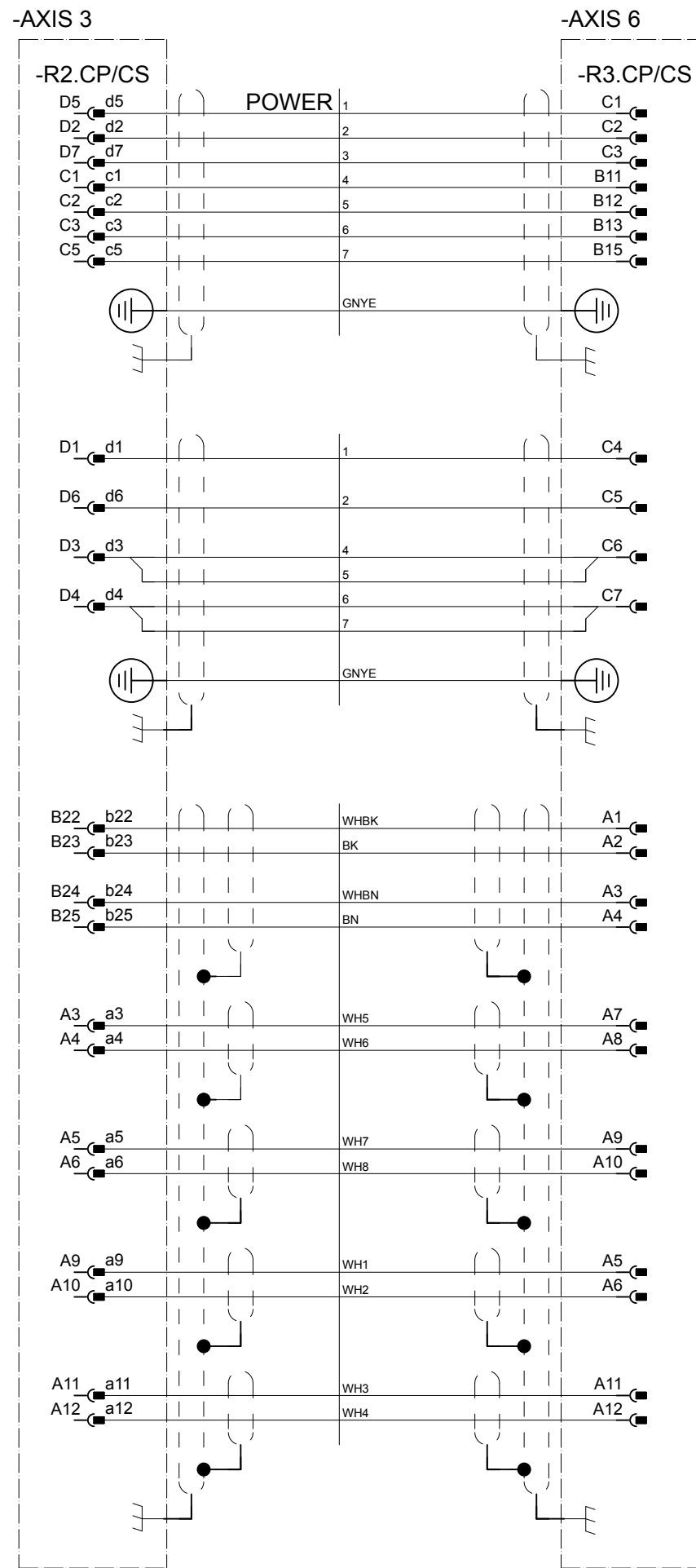
Total 98

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TYPE S, Se, H, HS AND HSe
CUSTOMER SIGNALS

UPPER ARM HARNESS
3HAC025532-001



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

IRB66xID

TYPE S, Se, H, HS, HSe

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + ID

Sublocation: + AX3

Rev. Ind

12

Page 400

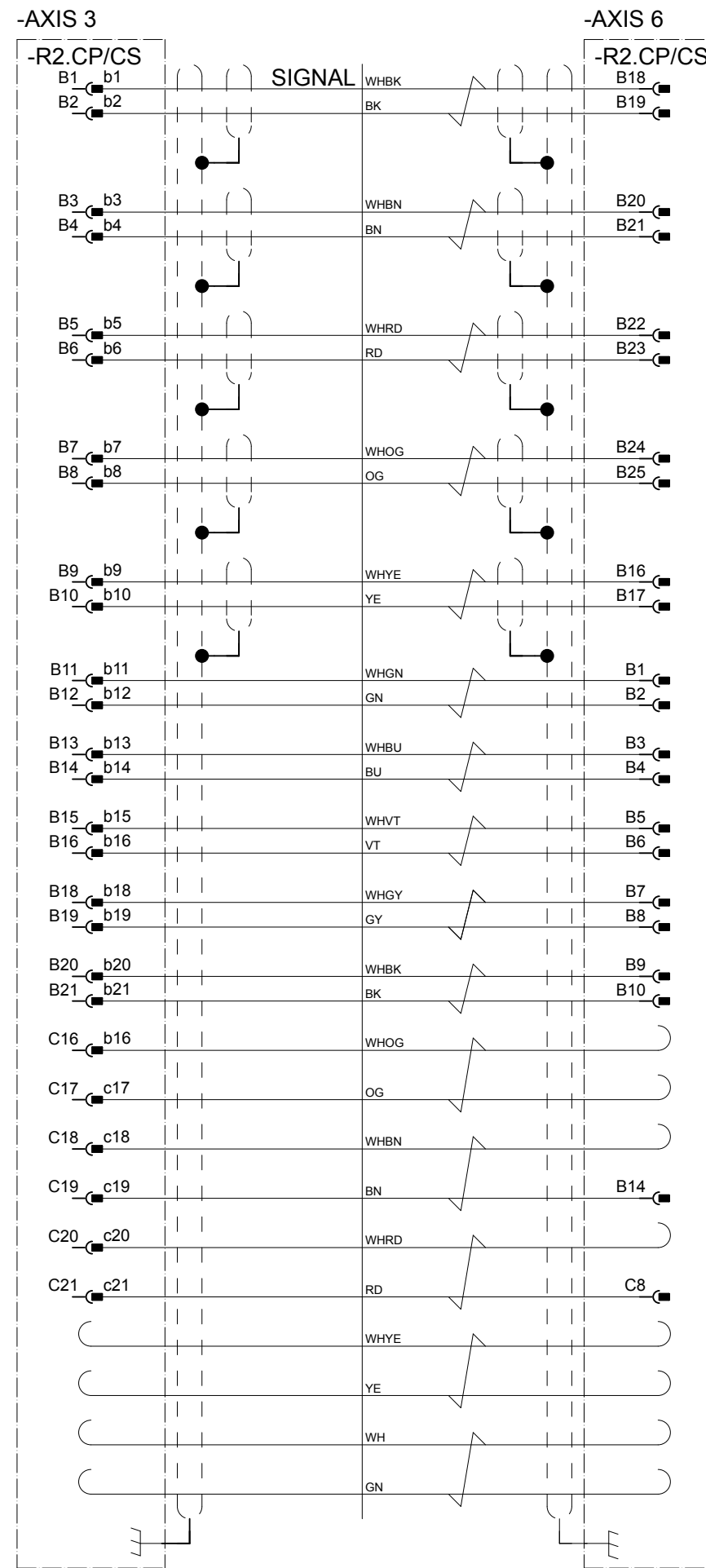
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Total 98

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TYPE S, Se, H, HS AND HSe
CUSTOMER SIGNALS

UPPER ARM HARNESS
3HAC025532-001



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

IRB66xID

TYPE S, Se, H, HS, HSe

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + ID

Sublocation: + AX3

Rev. Ind Page401

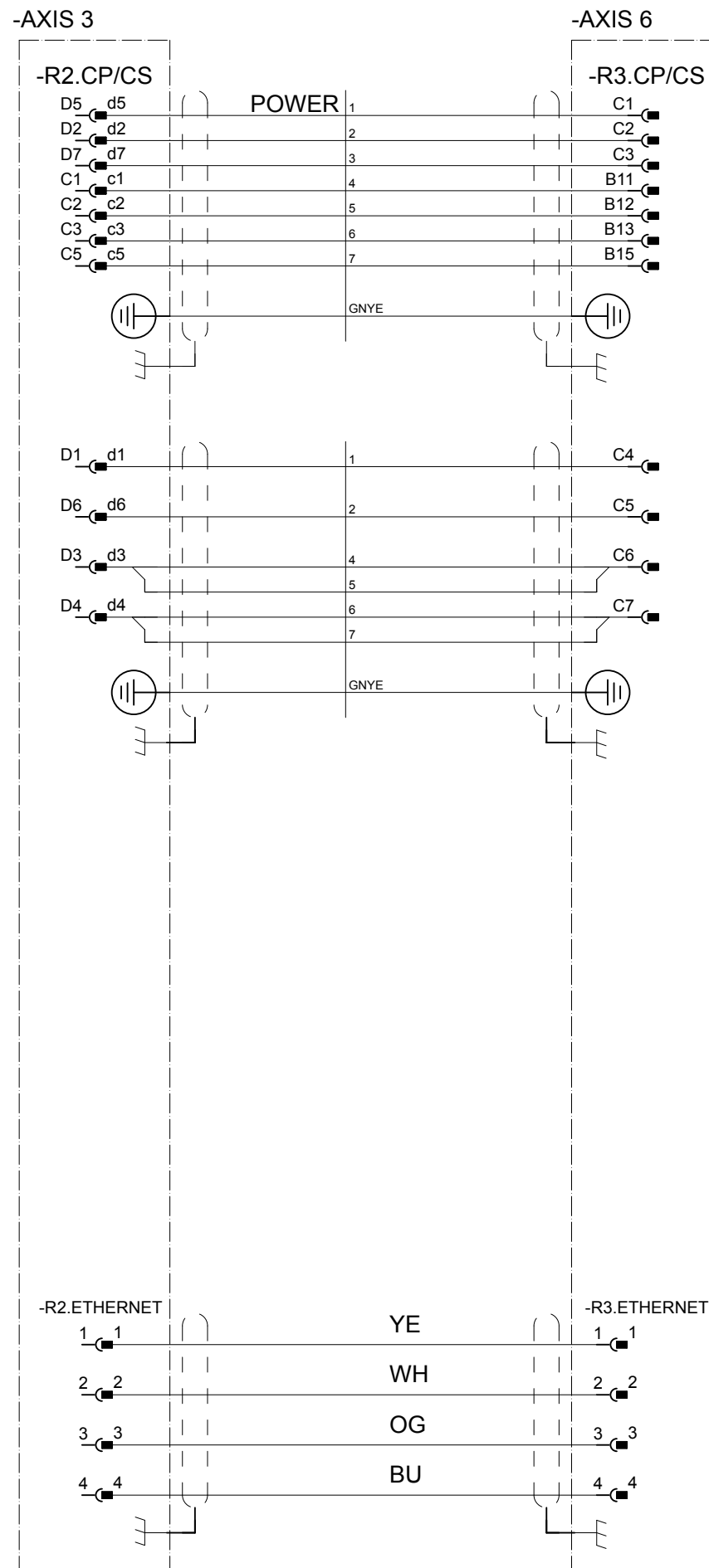
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Total 98

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TYPE S, Se, H, HS AND HSe
CUSTOMER SIGNALS

UPPER ARM HARNESS
3HAC041028-001



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

IRB66xID, ETHTERNET

TYPE S, Se, H, HS, HSe

Status: 2015-03-04

APPROVED

Document no.

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Plant: = DP

Location: + ID

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Rev. Ind

12

Page 402

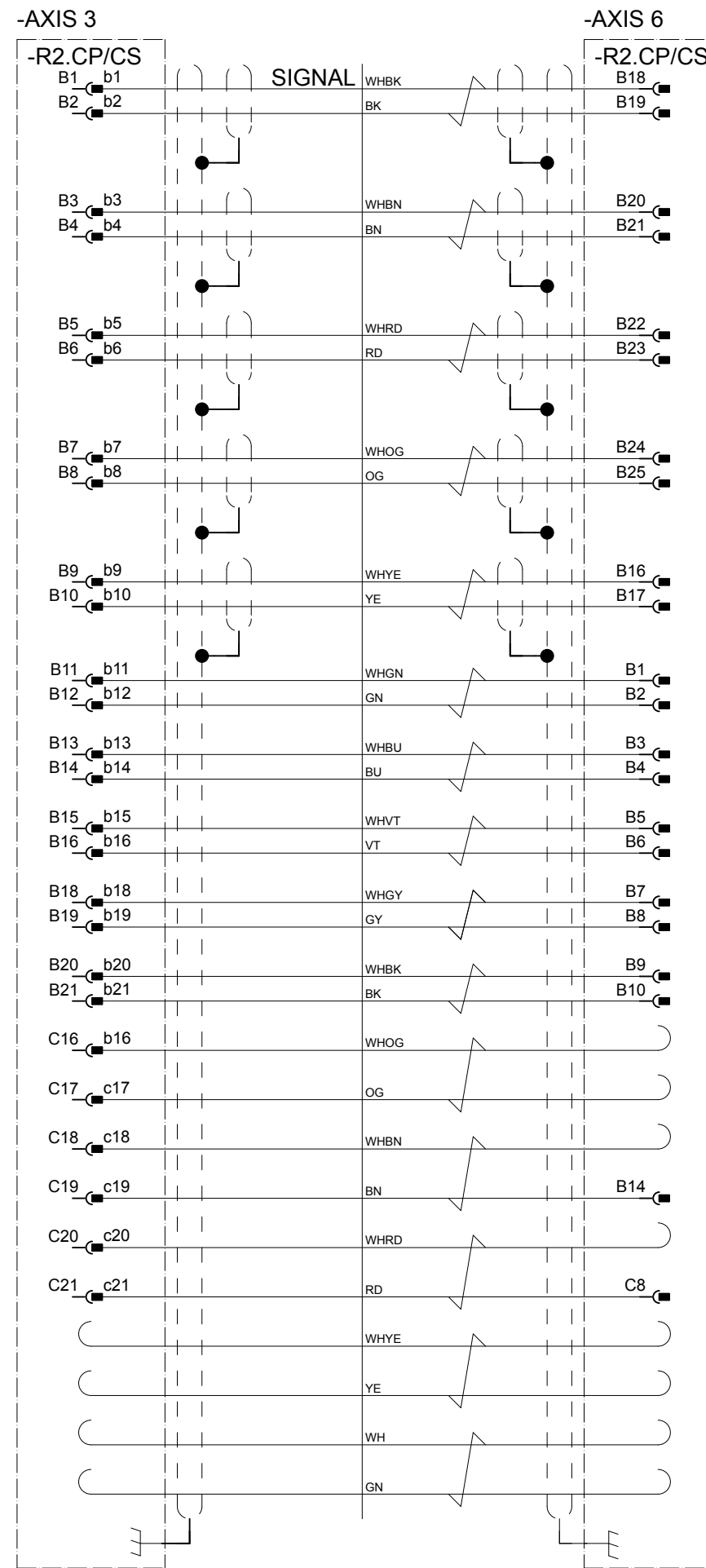
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Total 98

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TYPE S, Se, H, HS AND HSe
CUSTOMER SIGNALS

UPPER ARM HARNESS
3HAC041028-001



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Lab/Office:
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PRMP

IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5
IRB66xID, ETHERNET
TYPE S, Se, H, HS, HSe

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP
Location: + ID
Sublocation: + AX3

Rev. Ind
12

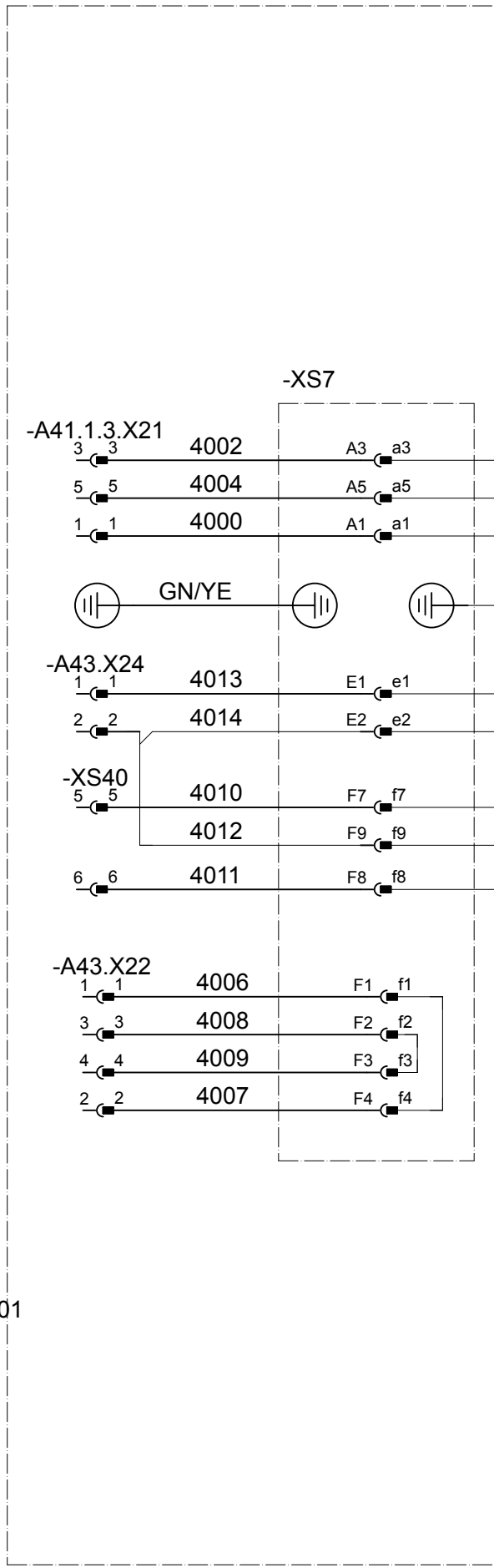
Page 403
Next +PG/50
Total 98

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

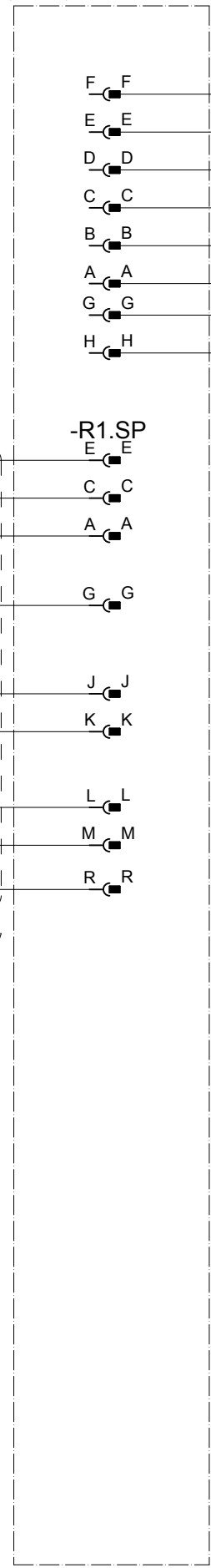
SERVO POWER
VALID FOR
HARNESS IN CABINET
3HAC021791-001
FLOOR HARNESS
3HEA800736-001,002,003,004

TYPE HS, HSe
SIGNALS TO PEDESTAL GUN
SEE PAGE PEDESTAL GUN (PG)
IN CIRCUIT DIAGRAM 3HAC026208-001

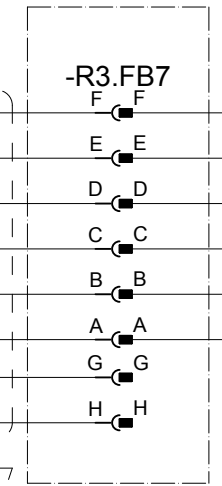
-ROBOTCABINET



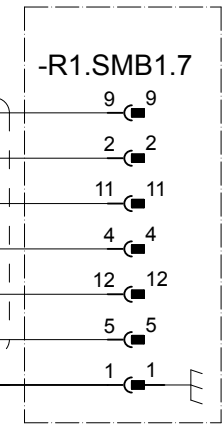
-SERVO PEDESTAL GUN
(AXIS 7)



-MANIPULATOR BASE



-SMB



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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = DP

APPROVED

Location: + PG
Sublocation: +

Document no.

Rev. Ind

Page 500

3HAC026209-001

12

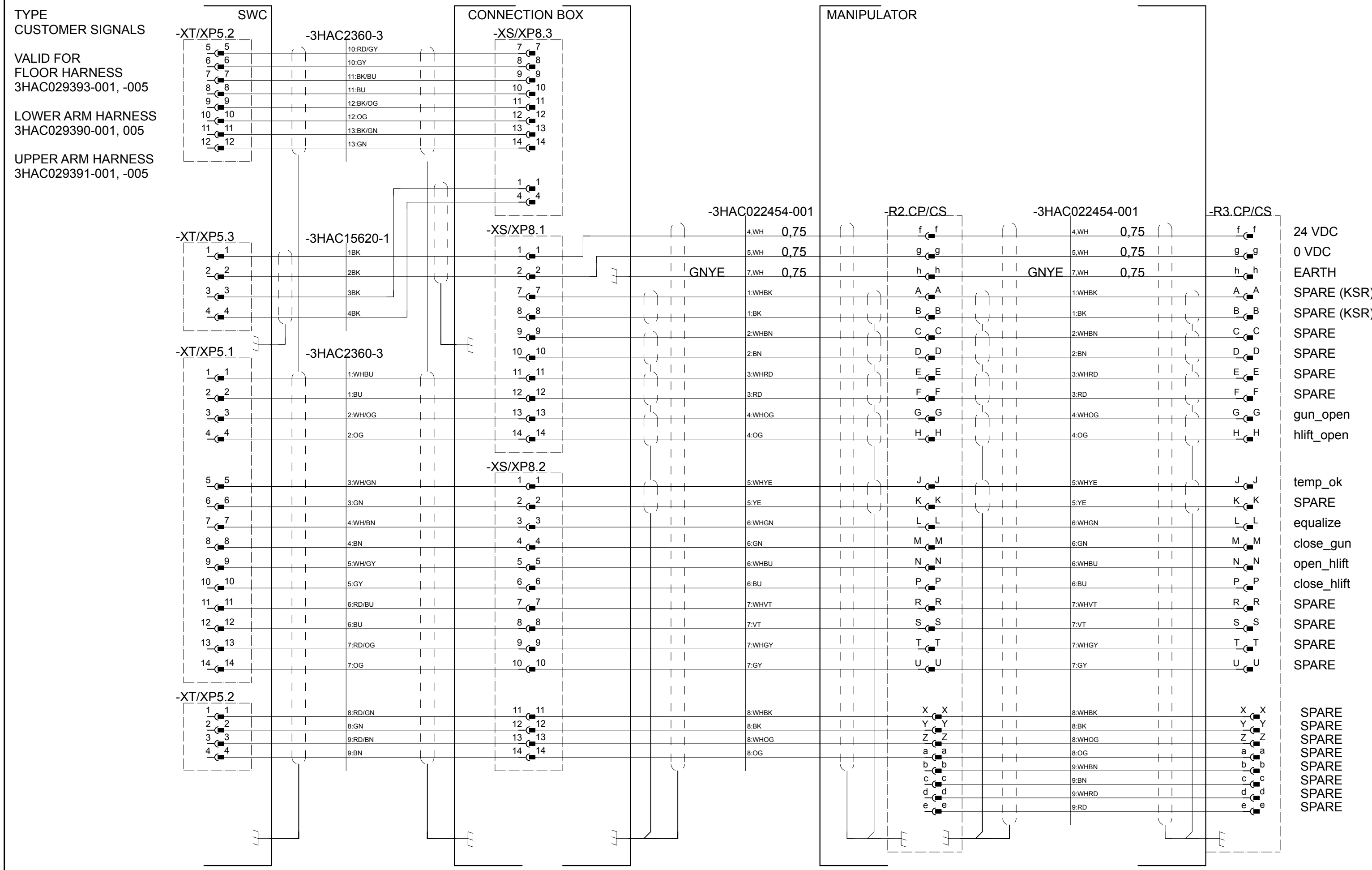
Next +CS.B/
Total 98

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PEDESTAL GUN

TYPE HS, HSe

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Prepared by, date: EM 2015-02-17 Approved by, date: JEN 2015-03-04	3HAC026209-001		3HAC026209-001	Rev. Ind 12 Page 600 Next +RG/60 Total 98	

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TYPE
7TH AXIS POWER SIGNALS

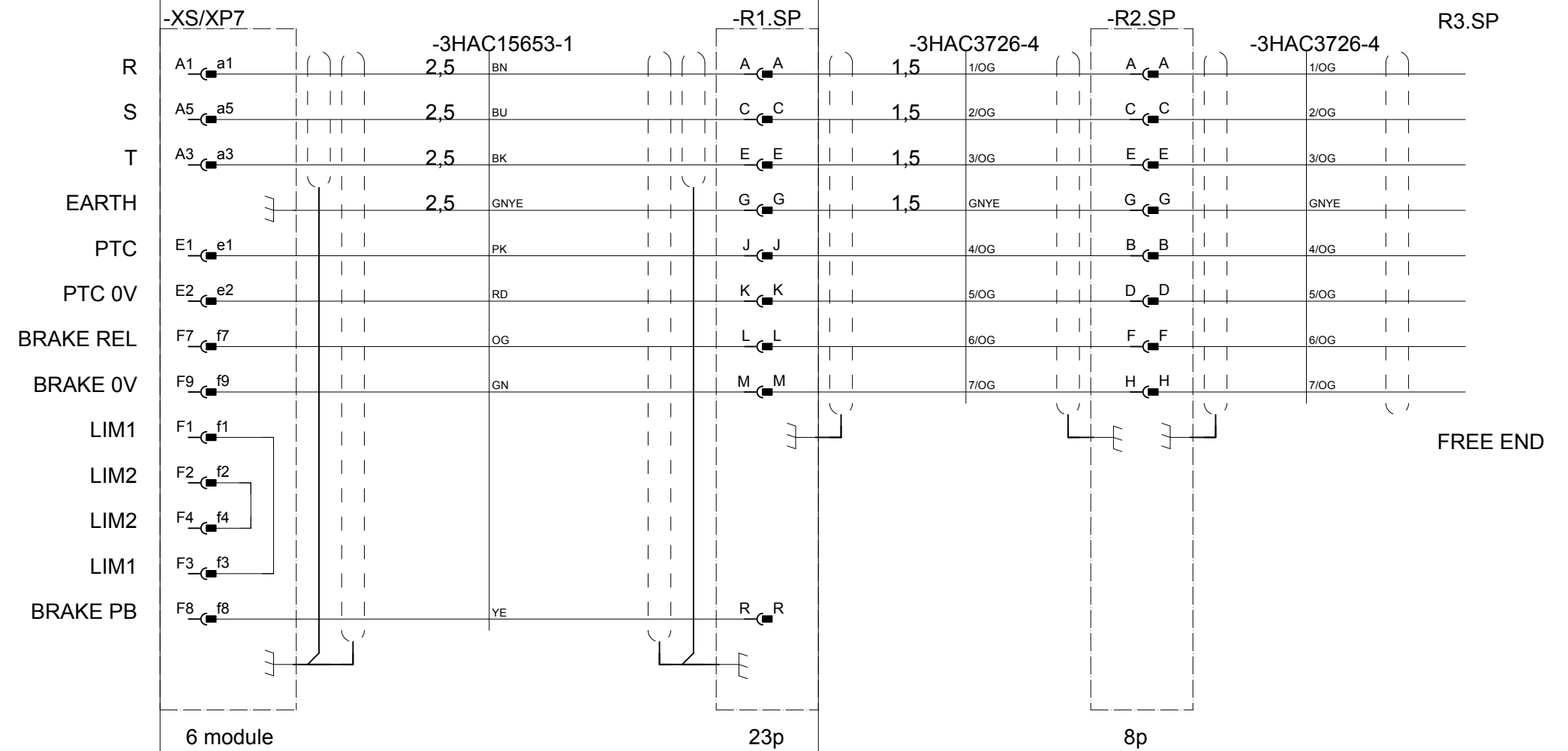
DRIVE MODULE CABINET

MECHANICAL UNIT

VALID FOR
LOWER ARM HARNESS
3HAC029579-001, 005

UPPER ARM HARNESS
3HAC029580-001, -005

For further information
see circuit diagram,
3HAC024480-004
for single cabinet.



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Page 224-231: Adjusted, "Type Se" was "Type S"
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REGION E



Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

ROBOT GUN (RG) - IRBDP SW5

POWER

Status: 2015-03-04

APPROVED

Document no.

3HAC026209-001

Plant: = DP

Location: + RG

Sublocation: +

Rev. Ind Page601

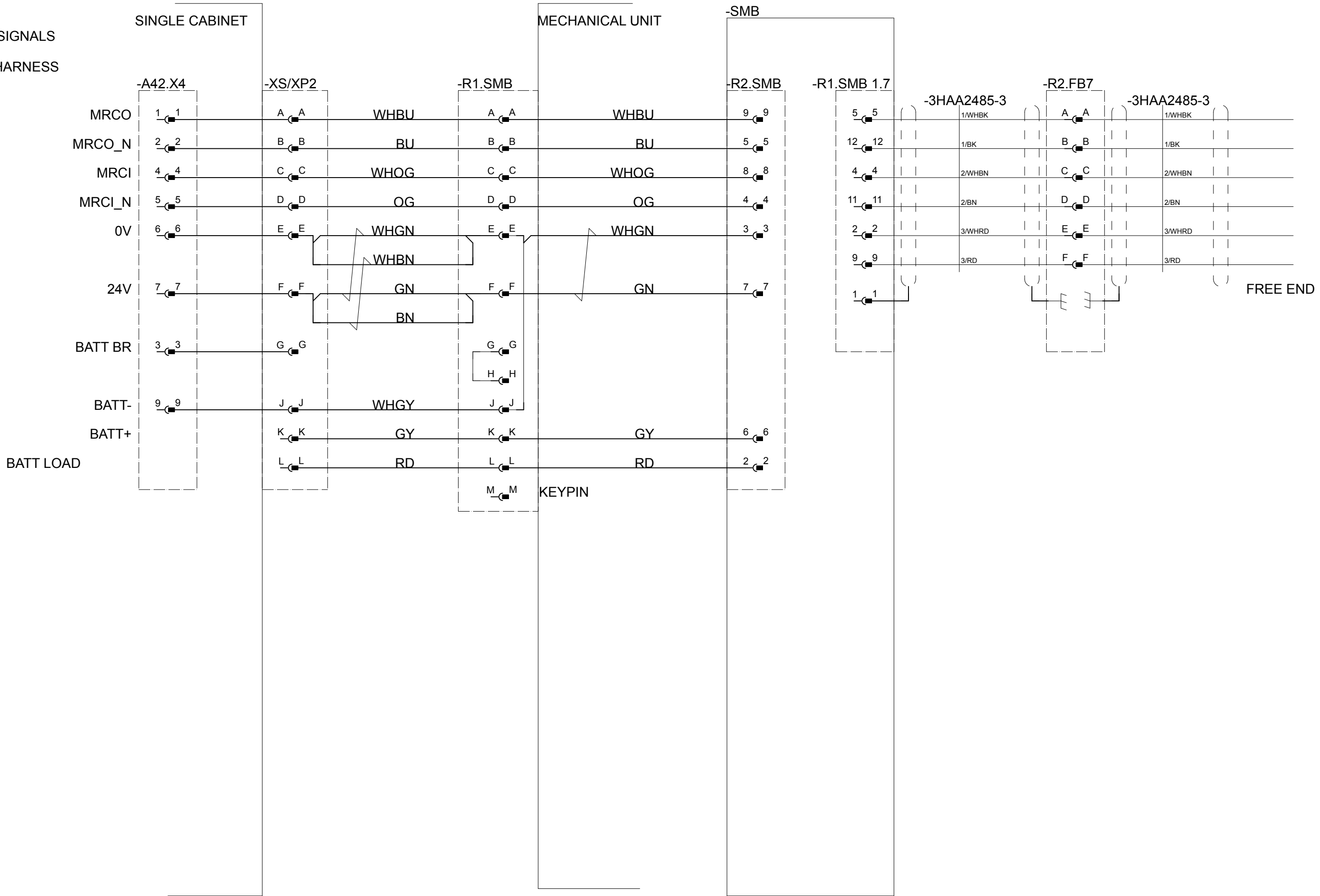
12 Next 602

Total 98

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TYPE Se AND HSe
7TH AXIS FEEDBACK SIGNALS

LOWER/UPPER ARM HARNESS
3HAC030638-001, 005



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REGION E



Lab/Office:
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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

ROBOT GUN (RG) - IRBDP SW5

SIGNAL

Status: 2015-03-04

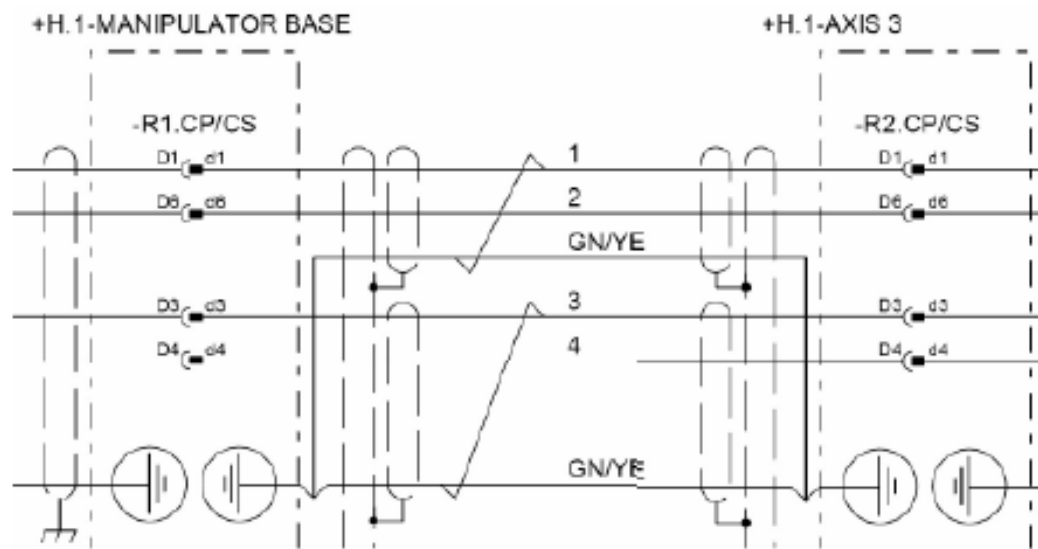
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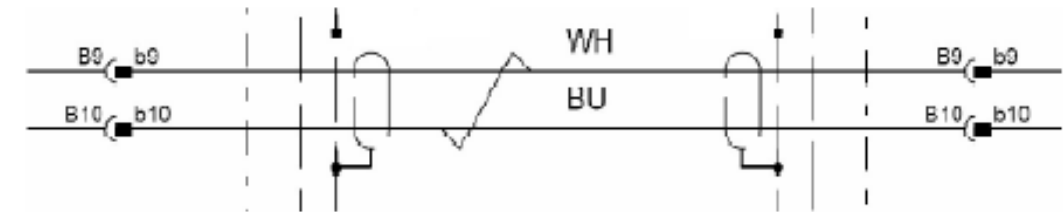
Rev. Ind Page602
12 Next +REV/7
 Total 98

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Note 1.1

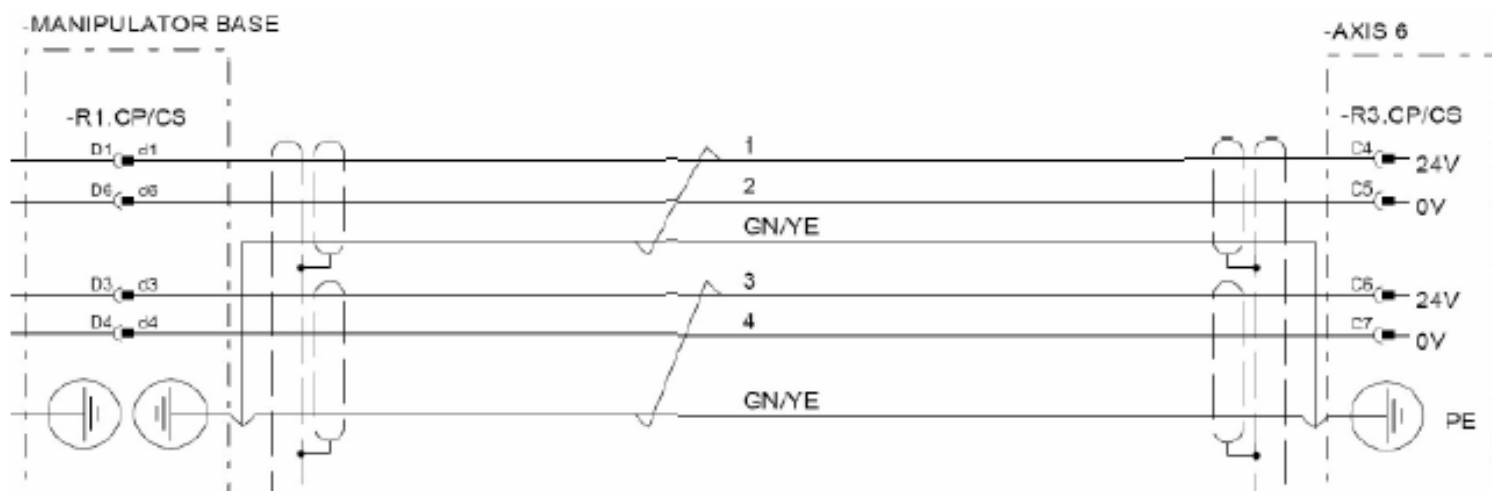
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Note 1.3

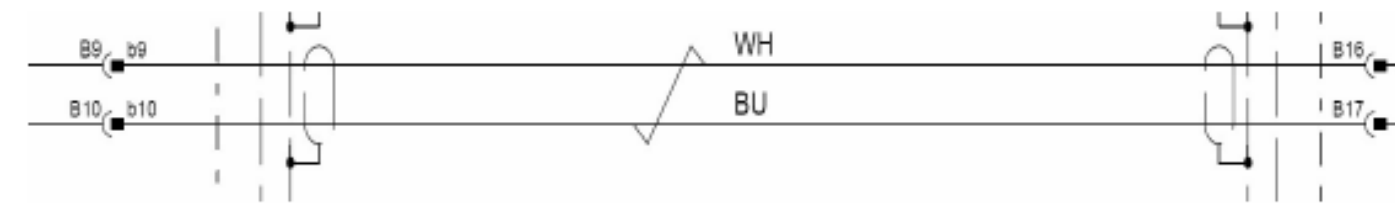
Lower Arm Harness Type S
3HAC022478-001 Rev. 00, 01, 02
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3HAC022470-001 Rev. 00
3HAC022471-001 Rev. 00

Lower Arm Harness Type H, HS and HSe
3HAC022996-001 Rev. 00, 01
3HAC022997-001 Rev. 00, 01, 02
3HAC022998-001 Rev. 00, 01
3HAC022999-001 Rev. 00, 01, 02



Note 1.2

Lower Arm Harness Type S 3HAC022486-001 Rev. 00, 01 3HAC022486-002 Rev. 00, 01 3HAC022488-001 Rev. 00, 01 3HAC022488-002 Rev. 00, 01	Lower Arm Harness Type Se 3HAC022487-001 Rev. 00, 01, 02 3HAC022487-002 Rev. 00, 01, 02 3HAC022491-001 Rev. 00, 01, 02 3HAC022491-002 Rev. 00, 01, 02
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Note 1.4

Lower Arm Harness Type S
3HAC022486-001 Rev. 00, 01
3HAC022486-002 Rev. 00, 01
3HAC022488-001 Rev. 00, 01
3HAC022488-002 Rev. 00, 01

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IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

Status: 2015-03-04

Plant: = DP
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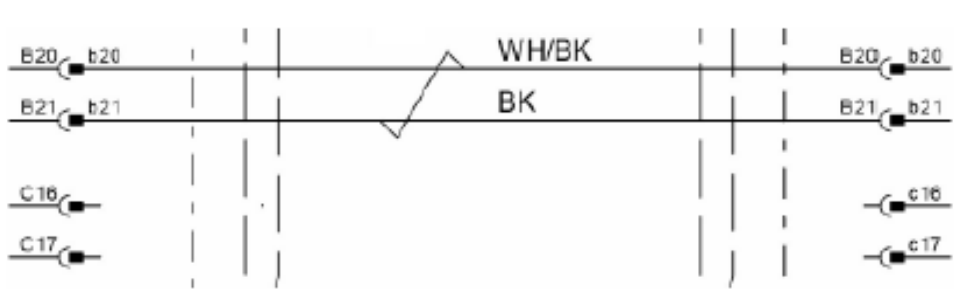
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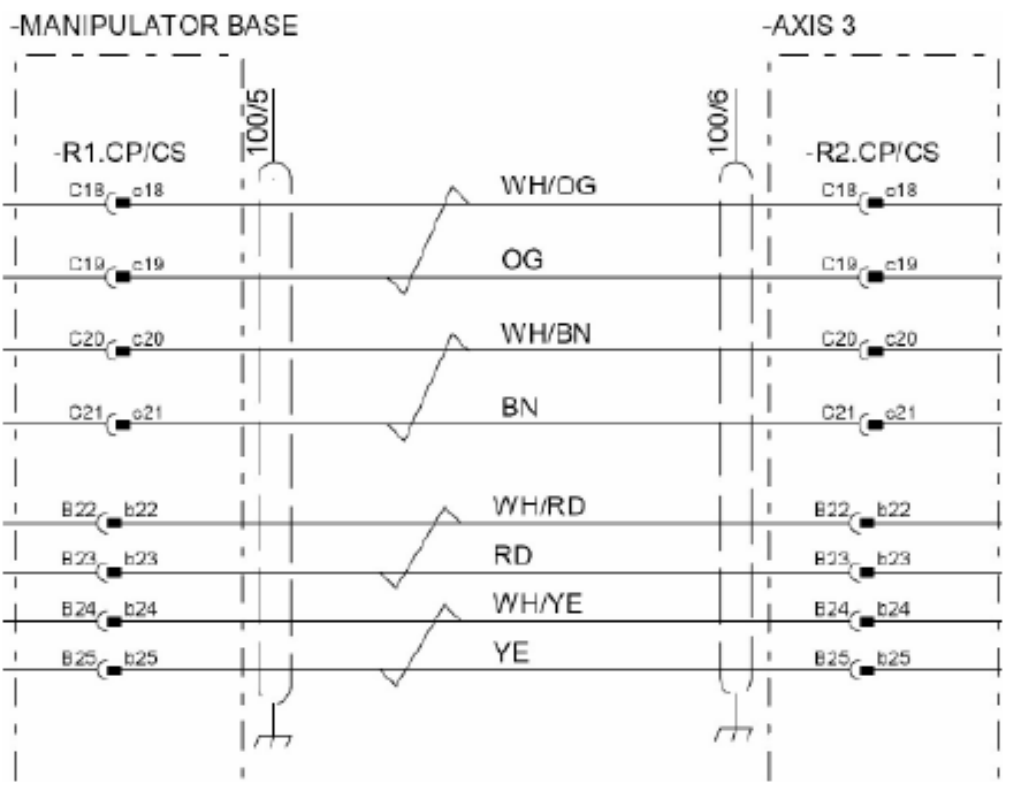


Note 1.5 Lower Arm Harness Type S
 3HAC022478-001 Rev. 00, 01, 02
 3HAC022135-001 Rev. 00
 3HAC022136-001 Rev. 00

Lower Arm Harness Type H, HS and HSe
 3HAC022996-001 Rev. 00, 01
 3HAC022997-001 Rev. 00, 01, 02

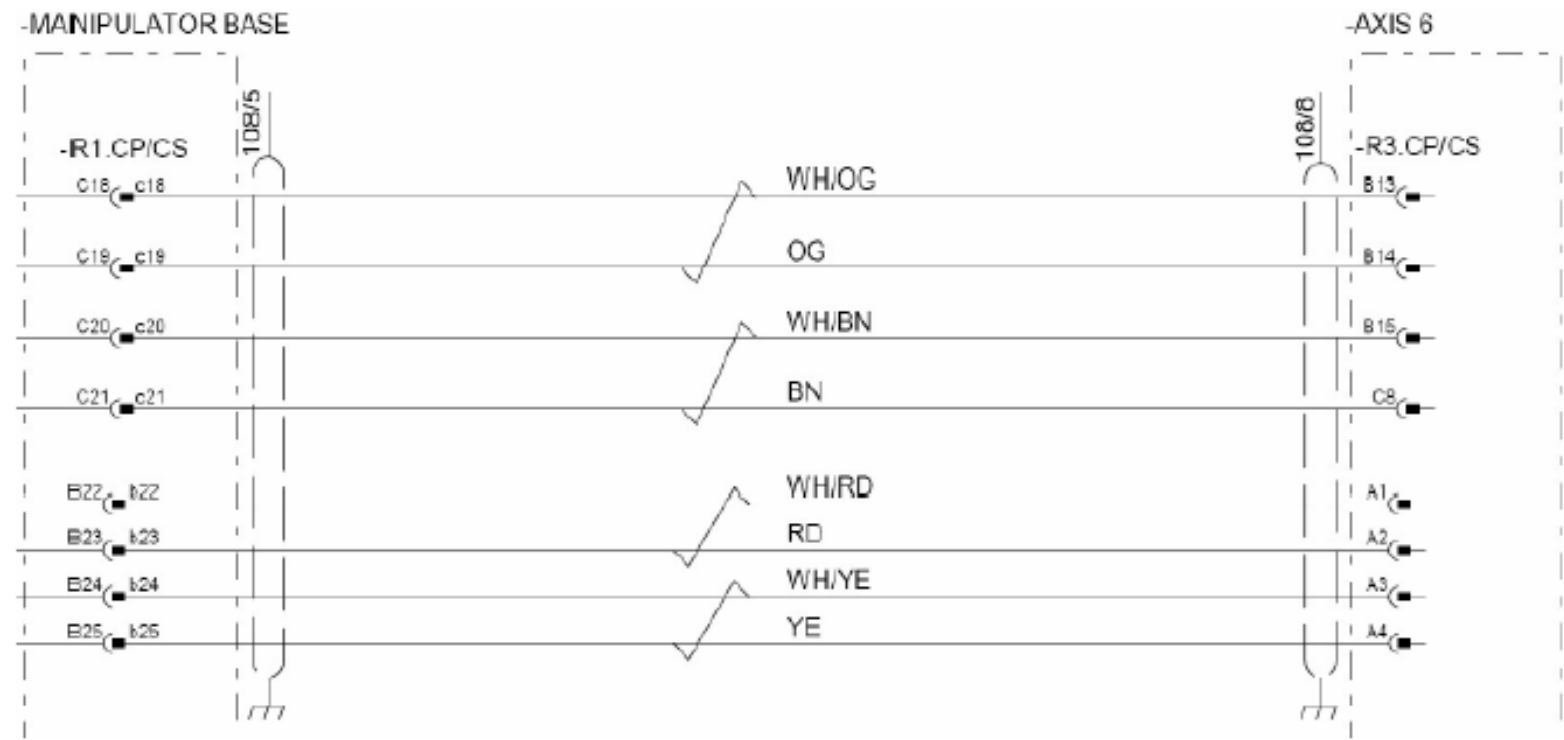


Note 1.7 Lower Arm Harness Type S
 3HAC022486-001 Rev. 00, 01
 3HAC022486-002 Rev. 00, 01



Note 1.6 Lower Arm Harness Type S
 3HAC022478-001 Rev.00, 01, 02
 3HAC022135-001 Rev. 00
 3HAC022136-001 Rev. 00

Lower Arm Harness Type H, HS and HSe
 3HAC022996-001 Rev. 00, 01
 3HAC022997-001 Rev. 00, 01, 02



Note 1.8 Lower Arm Harness Type S
 3HAC022486-001 Rev. 00, 01
 3HAC022486-002 Rev. 00, 01

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 Page 224-231: Adjusted, "Type Se" was "Type S"
 Page 316-321: Adjusted, "Type H" was "Type S"

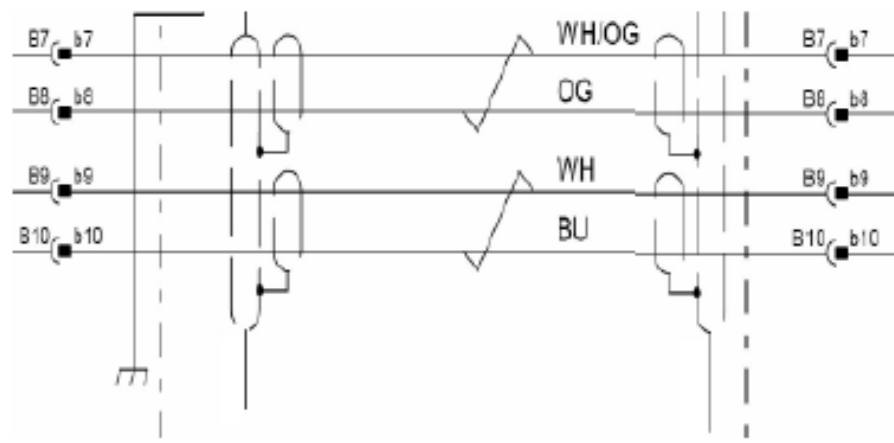
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ABB Lab/Office:
 DMRO SE
 PRMP

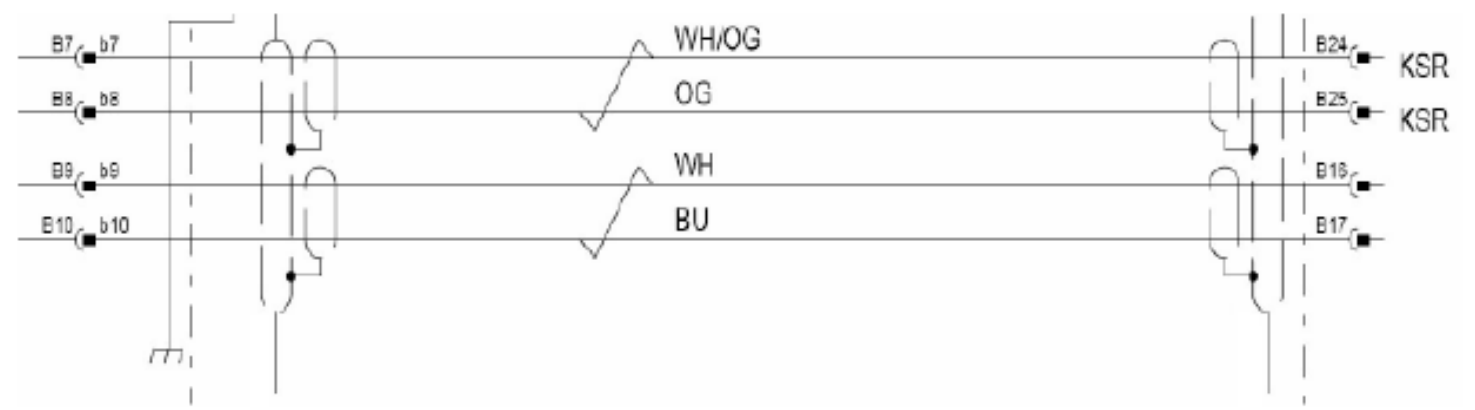
IRB6600 IRB6640(DP6) IRB66X0ID IRB7600 IRC5

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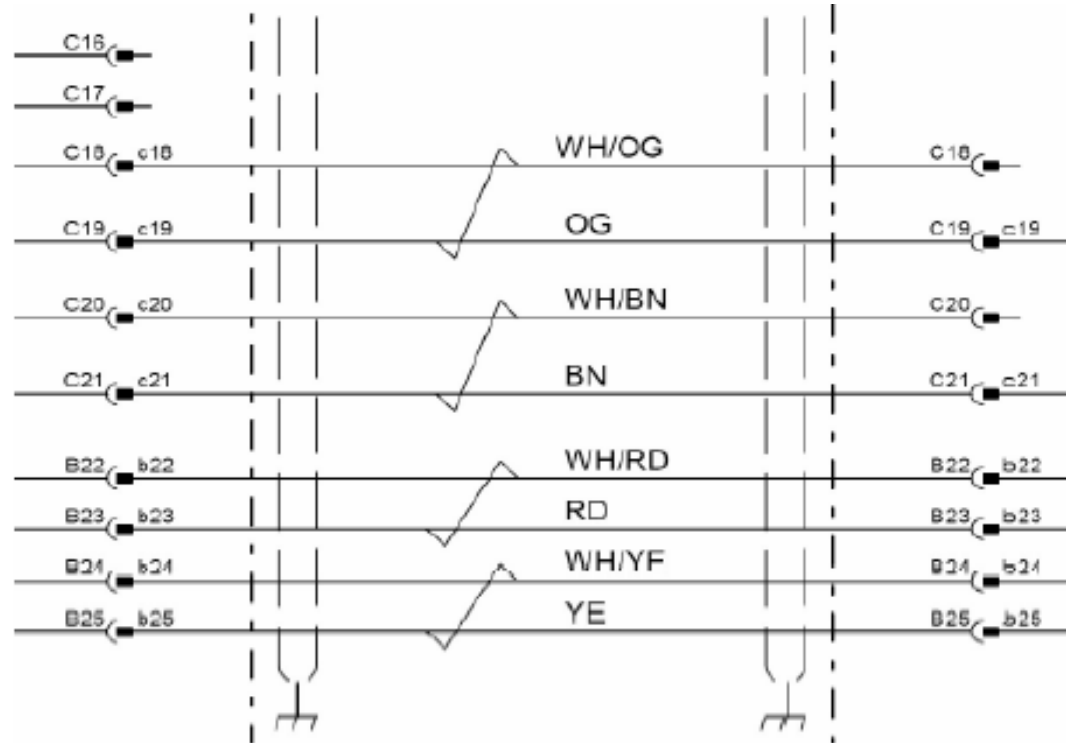
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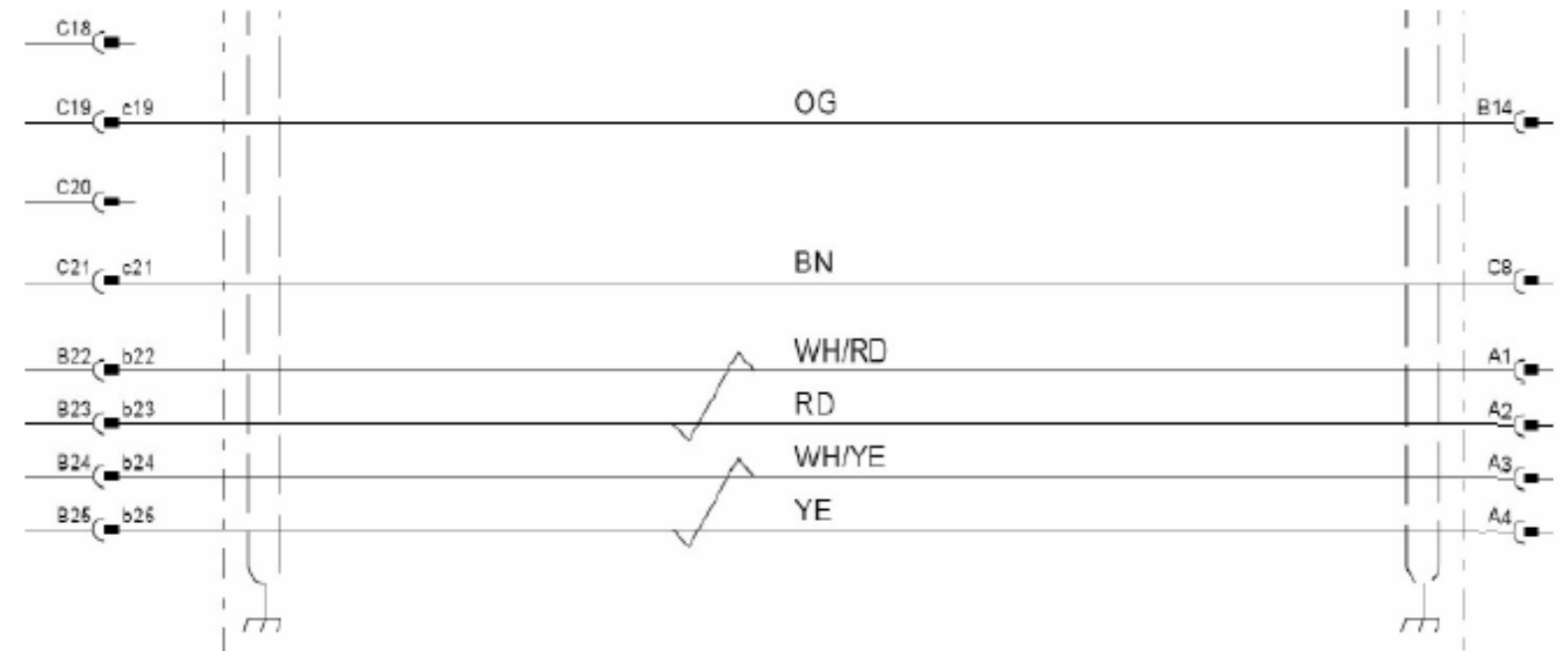
Note 1.9 Lower Arm Harness Type Se Lower Arm Harness IRB6660
 3HAC022479-001 Rev. 00, 01, 02, 03 3HAC027105-001 Rev. 00,01
 3HAC022481-001 Rev. 00, 01, 02, 03
 3HAC022137-001 Rev. 00
 3HAC022138-001 Rev. 00
 3HAC022472-001 Rev. 00
 3HAC022473-001 Rev. 00



Note 1.11 Lower Arm Harness Type Se
 3HAC022487-001 Rev. 00, 01, 02
 3HAC022487-002 Rev. 00, 01, 02
 3HAC022491-001 Rev. 00, 01, 02
 3HAC022491-002 Rev. 00, 01, 02



Note 1.10 Lower Arm Harness Type Se
 3HAC022479-001 Rev. 00, 01, 02, 03
 3HAC022137-001 Rev. 00
 3HAC022138-001 Rev. 00



Note 1.12 Lower Arm Harness Type Se
 3HAC022487-001 Rev. 00, 01, 02
 3HAC022487-002 Rev. 00, 01, 02

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