

The information in this document is subject to change without notice and should not be construed as a commitment by ABB. ABB assumes no responsibility for any errors that may appear in this document.

Except as may be expressly stated anywhere in this document, nothing herein shall be construed as any kind of guarantee or warranty by ABB for losses, damages to persons or property, fitness for a specific purpose or the like.

In no event shall ABB be liable for incidental or consequential damages arising from use of this document.

This document and parts thereof must not be reproduced or copied without ABB's written permission, and contents thereof must not be imparted to a third party nor be used for any unauthorized purpose. Contravention will be prosecuted.

Additional copies of this document may be obtained from ABB at its then current charge.

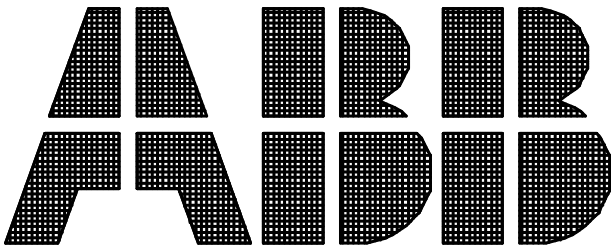
© Copyright 2004 ABB ALL right reserved.

ABB Automation Technologies AB
Robotics
SE-721 68 Västerås
Sweden

Latest revision:			Lab/Office: DMRO SE/	SWC IRC5 Design 2016 WeldCab COPYRIGHT PAGE	Status: 2016-03-31 APPROVED		Plant: = SP Location: + Sublocation: +	
					Document no. 3HAC057185-001		Rev. Ind 00	Page 1 Next 2 Total
Prepared by, date:	SESEKUU	Approved by, date:	SEPECAR7	SPOT PACK				

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB



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	:	

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

Table of contents

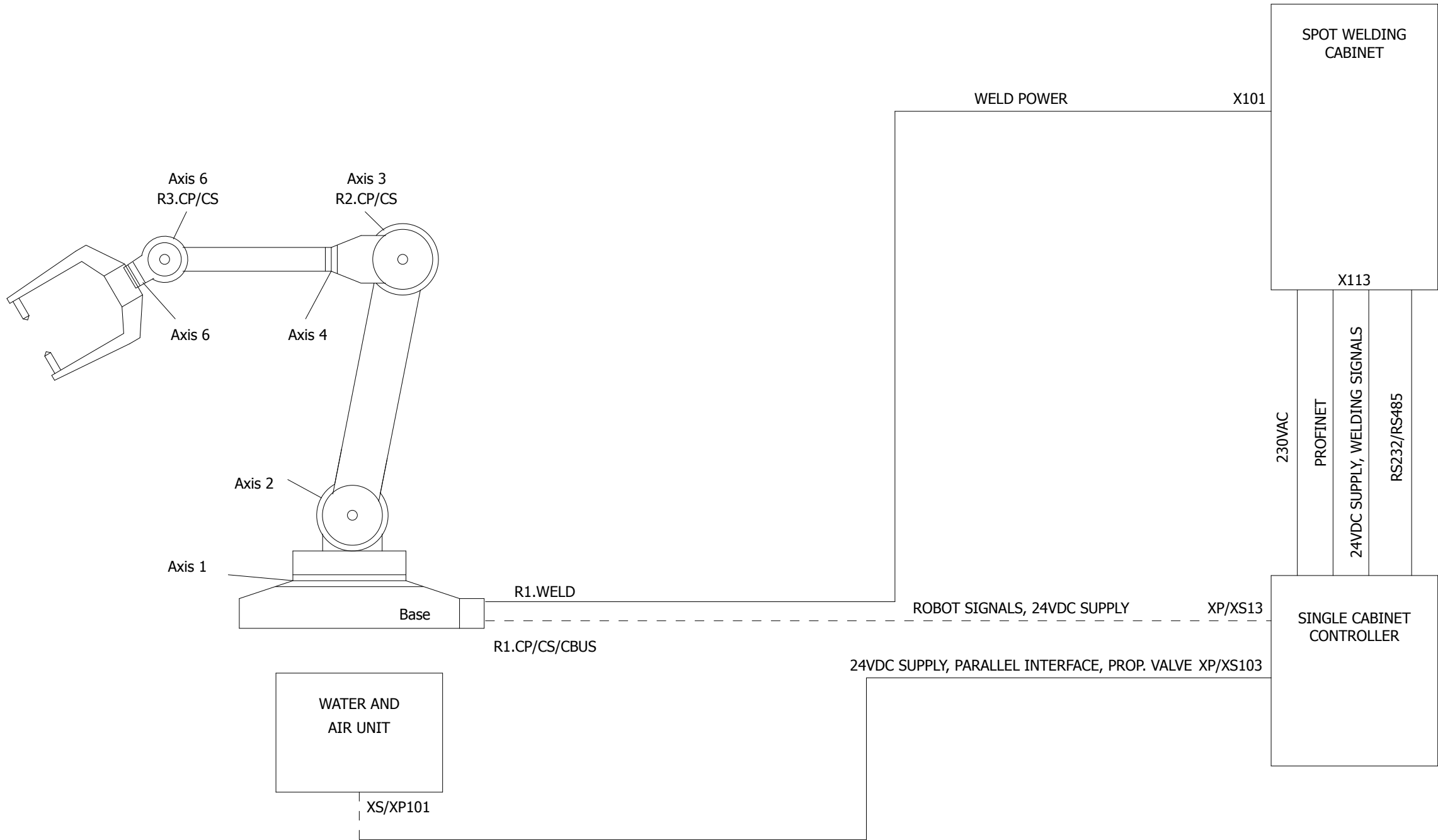
ABB_table_of_contents

Plant	Location	Page	Page description	Remark	Date	Editor
SP		1	COPYRIGHT PAGE		2016-03-18	SESEKUU
SP		2	TITLE PAGE		2013-11-29	Thomas
SP		3	TABLE OF CONTENTS		2016-04-12	SESEKUU
SP	S	50	BLOCK DIAGRAM TYPE S		2016-03-18	SESEKUU
SP	HS	52	BLOCK DIAGRAM TYPE HS		2016-03-18	SESEKUU
SP	Se	53	BLOCK DIAGRAM TYPE Se		2016-03-18	SESEKUU
SP	HSe	55	BLOCK DIAGRAM TYPE HSe		2016-03-18	SESEKUU
SP	CAB	56	VIEW SWC SMALL - STD PROFINET		2016-04-12	SESEKUU
SP	CON	57	CONNECTOR LAYOUT		2016-03-18	SESEKUU
SWCE	P.24V	101	BOSCH MFDC PROFINET		2016-03-21	SESEKUU
SWC	P.B	103	BOSCH MFDC		2016-04-12	SESEKUU
SWCAE	B	105	BOSCH MFDC PROFINET		2016-03-18	SESEKUU
SWCAE	PG.RG	107	BOSCH MFDC		2016-03-18	SESEKUU
SWCAE	RG	108	BOSCH MFDC		2016-03-18	SESEKUU
SWCAE	PG	109	BOSCH MFDC		2016-03-18	SESEKUU
WA_AE	SWC	110	BOSCH MFDC PROFINET		2016-03-18	SESEKUU
WA_AE	WA	112	BOSCH MFDC		2016-03-18	SESEKUU
PN	IRC5	114	BOSCH MFDC CPU DSQC 639		2016-03-18	SESEKUU
PN	IRC5	114.a	BOSCH MFDC CPU DSQC 1018		2016-03-18	SESEKUU

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

BLOCK DIAGRAM TYPE S (pneumatic gun)

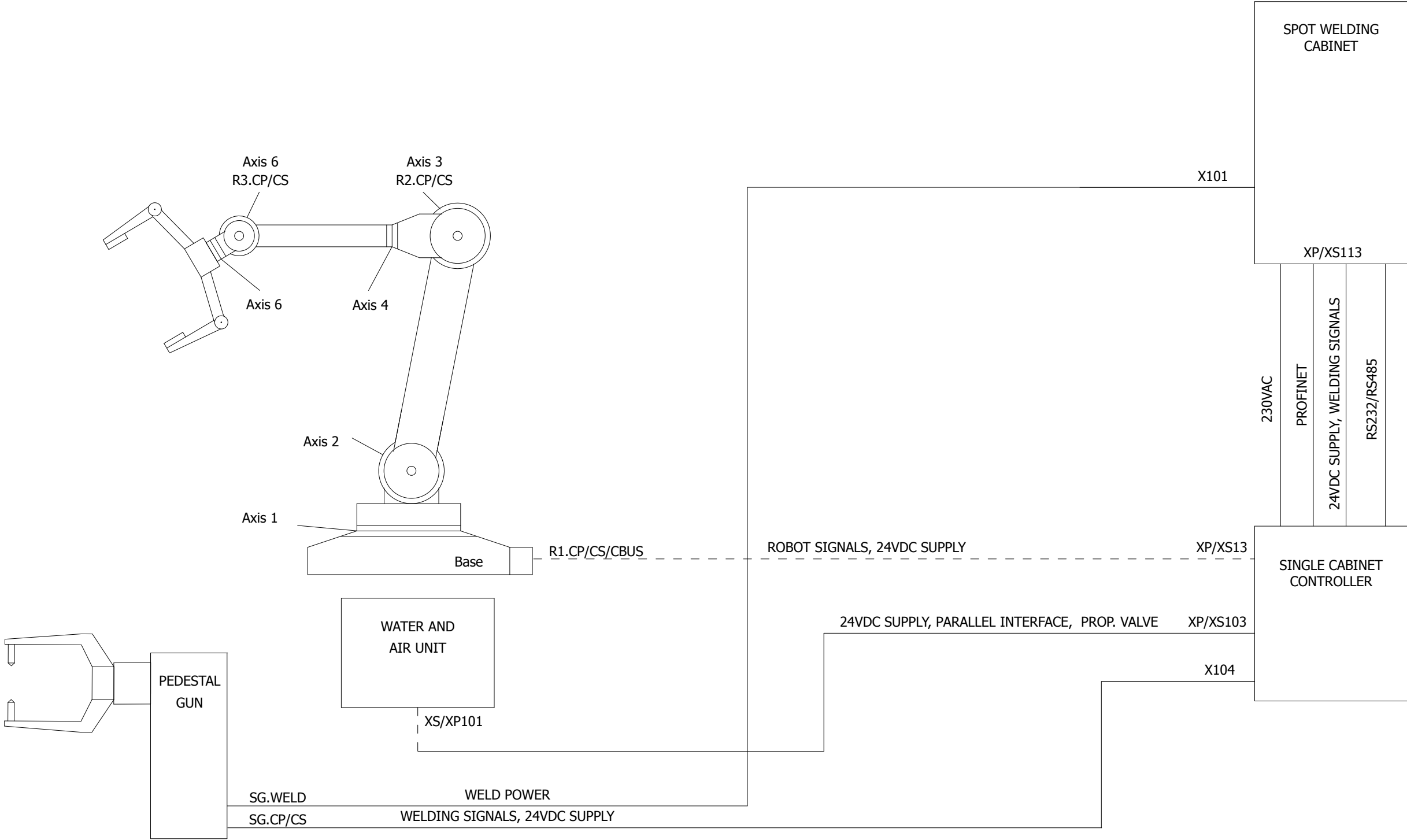
Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011.
Dashed cables: See circuit diagram DressPack, 3HAC026209-001




We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

BLOCK DIAGRAM TYPE HS (material handling and pneumatic gun)

Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011.
Dashed cables: See circuit diagram DressPack, 3HAC026209-001

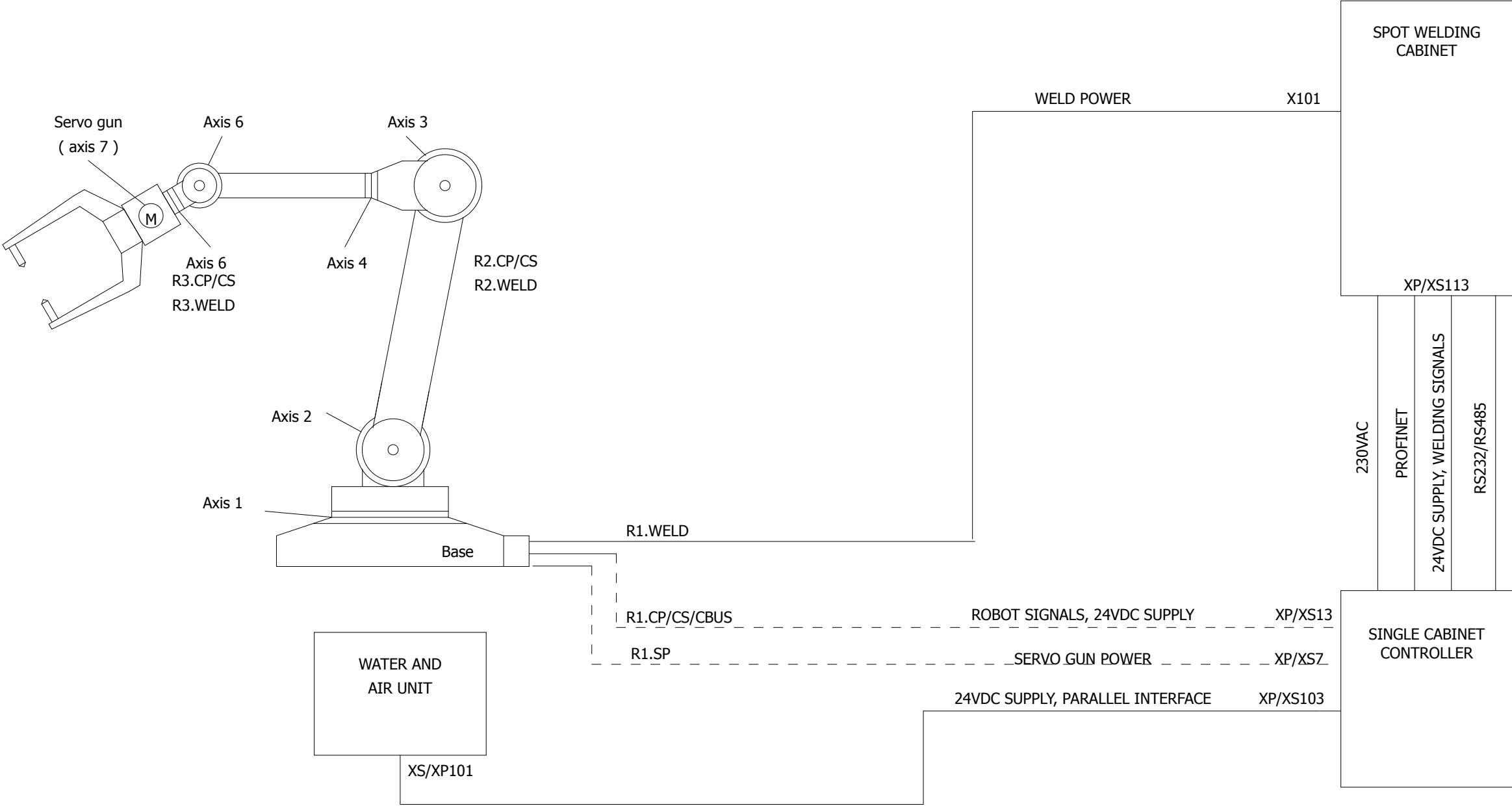


Latest revision:		REGION E		Lab/Office: DMRO SE/	SWC IRC5 Design 2016 WeldCab BLOCK DIAGRAM TYPE HS	Status: APPROVED	2016-03-31	Plant: Location: Sublocation:	= SP + HS +
Prepared by, date: SESEKUU		Approved by, date: SEPECAR7			SPOT PACK	Document no. 3HAC057185-001		Rev. Ind 00	Page 52
									Next +Se/53
								Total	

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

BLOCK DIAGRAM TYPE Se (servo gun)

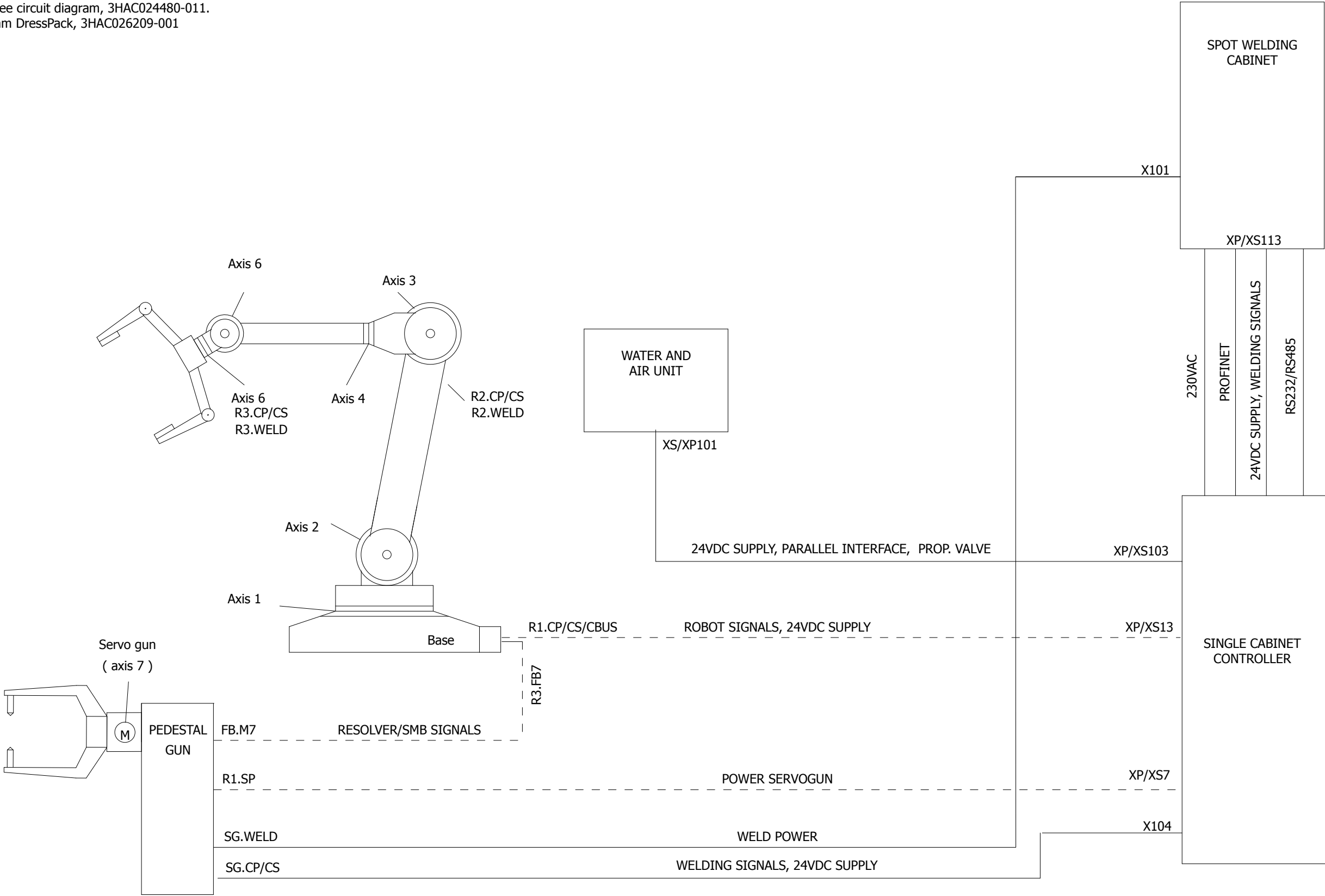
Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011.
Dashed cables: See circuit diagram DressPack, 3HAC026209-001




We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

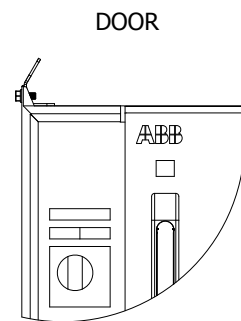
BLOCK DIAGRAM TYPE HSe (material handling and servo gun)

Single cabinet controller, IRC5: See circuit diagram, 3HAC024480-011.
Dashed cables: See circuit diagram DressPack, 3HAC026209-001

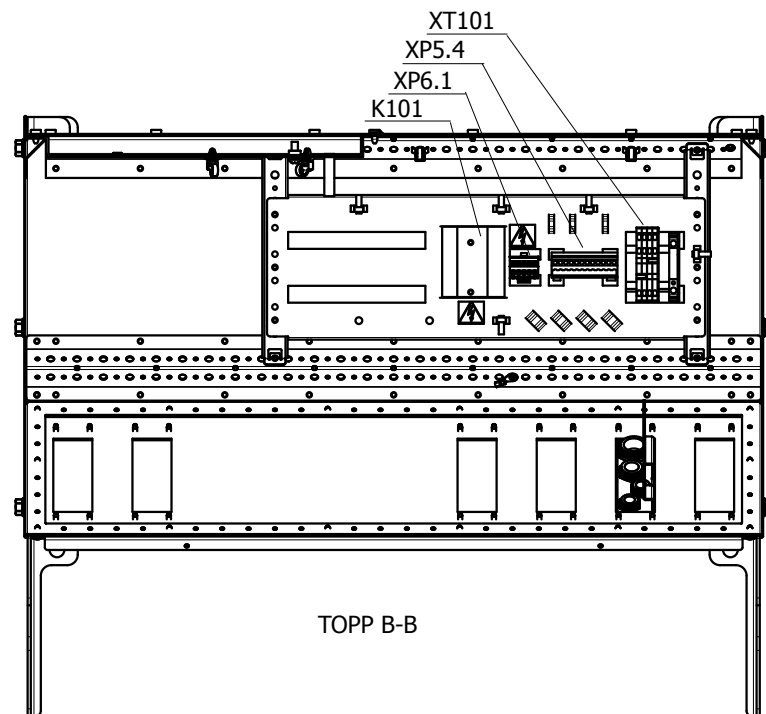


Latest revision:		REGION E		Lab/Office:	SWC IRC5 Design 2016 WeldCab BLOCK DIAGRAM TYPE HSe	Status: 2016-03-31 APPROVED	Plant: = SP Location: + HSe Sublocation: +	
				DMRO SE/				
Prepared by, date: SESEKUU			Approved by, date: SEPECAR7			SPOT PACK	Document no. 3HAC057185-001	Rev. Ind 00

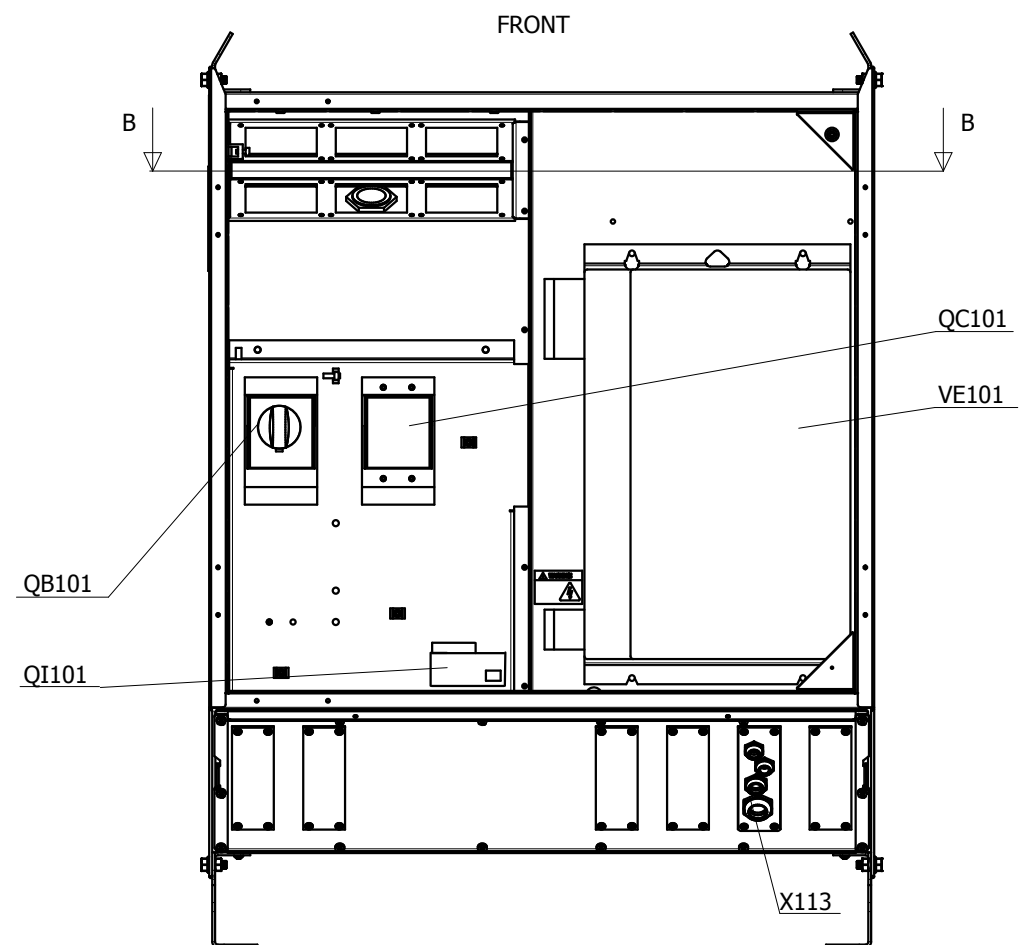
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB




DOOR

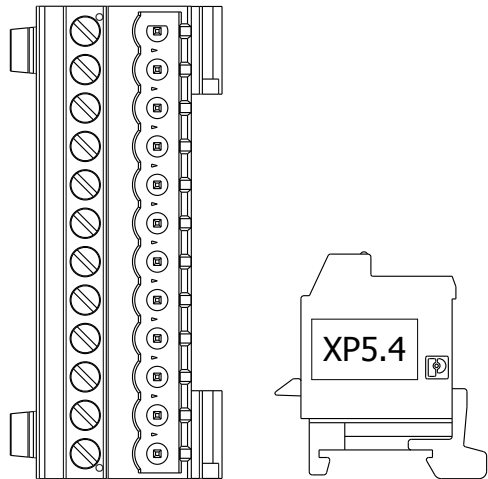


TOPP B-B

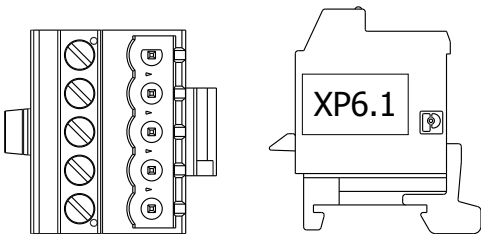


Latest revision:		REGION E		Lab/Office: DMRO SE/	SWC IRC5 Design 2016 WeldCab VIEW SWC SMALL - STD PROFINET	Status: 2016-03-31 APPROVED		Plant: = SP Location: + CAB Sublocation: +	
						Document no. 3HAC057185-001		Rev. Ind 00	Page 56 Next +CO Total
Prepared by, date: SESEKUU		Approved by, date: SEPECAR7		SPOT PACK					

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

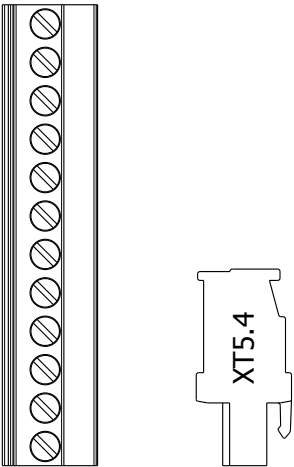
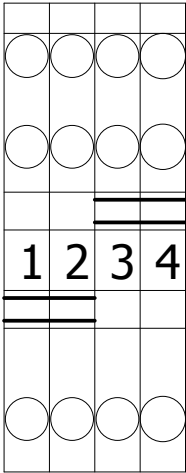


3HAB7391-12

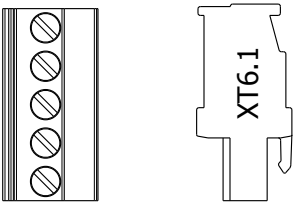


3HAB7391-5

XT101

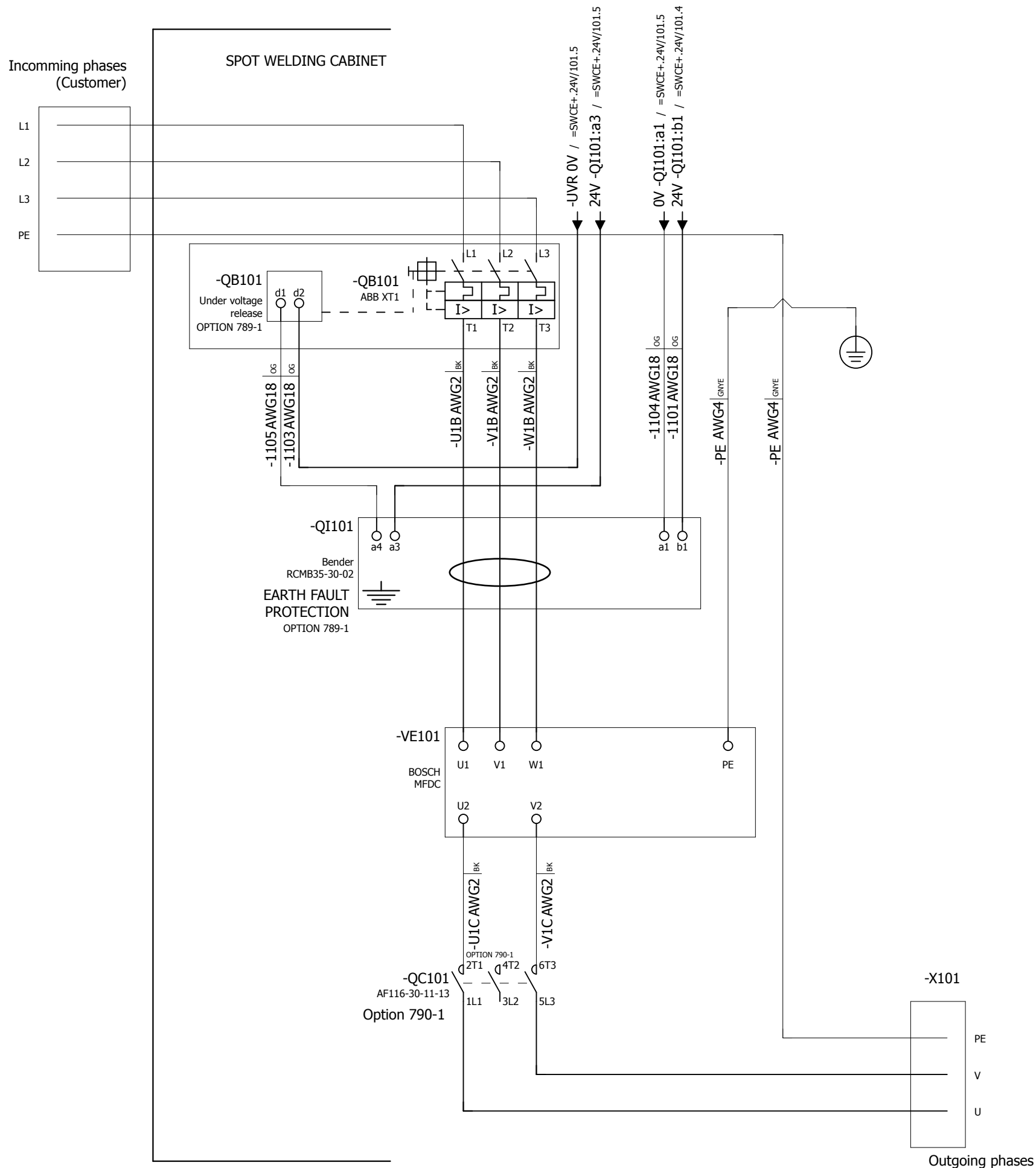



3HAB7404-12

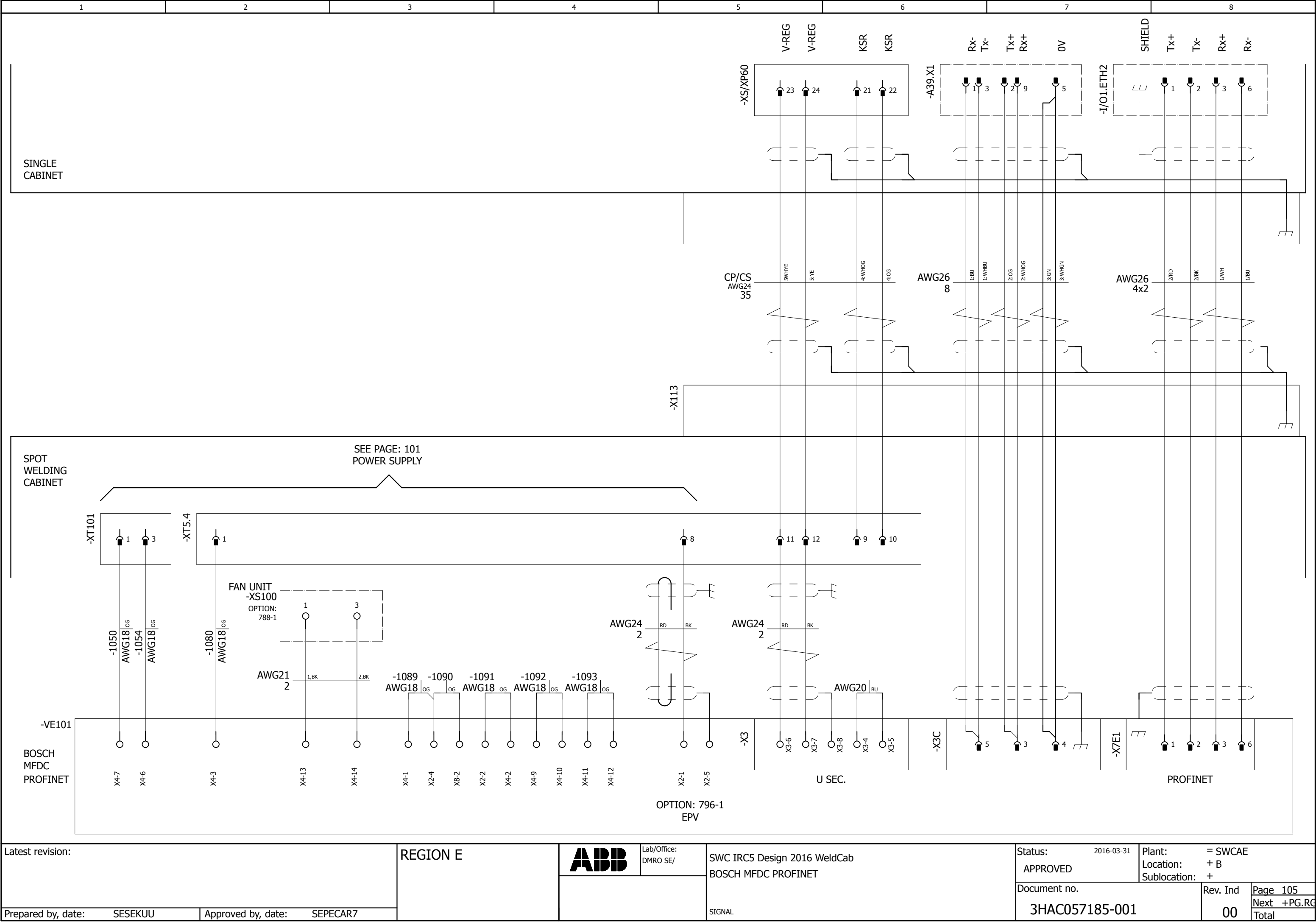


3HAB7404-5

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

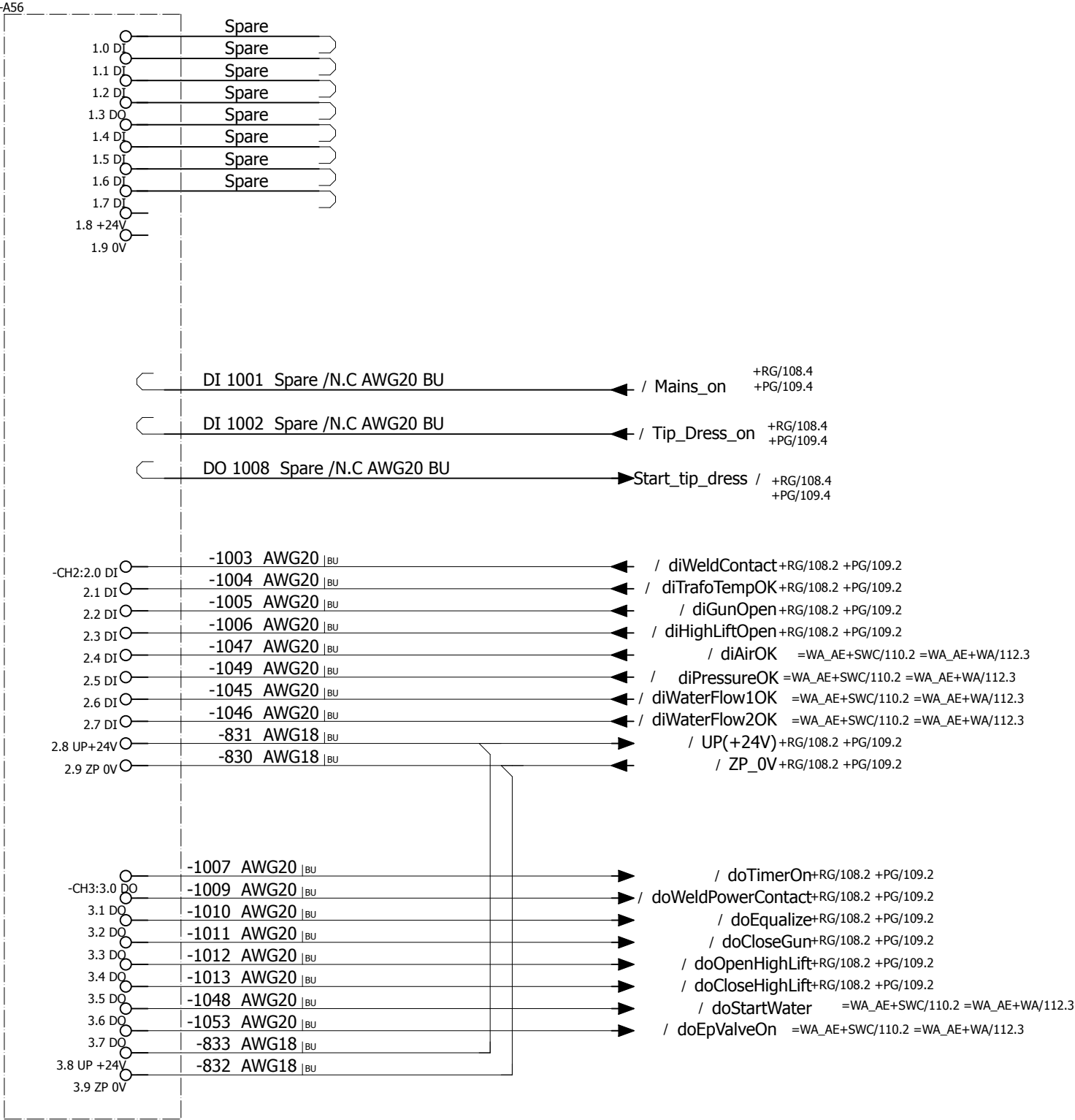



Latest revision:			REGION E		Lab/Office: DMRO SE/	SWC IRC5 Design 2016 WeldCab BOSCH MFDC	Status: 2016-03-31 APPROVED		Plant: = SWC Location: + P Sublocation: + B	
								Document no. 3HAC057185-001		Rev. Ind 00
Prepared by, date: SESEKUU				Approved by, date: SEPECARZ			POWER - WELD TIMER PHASES			



We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

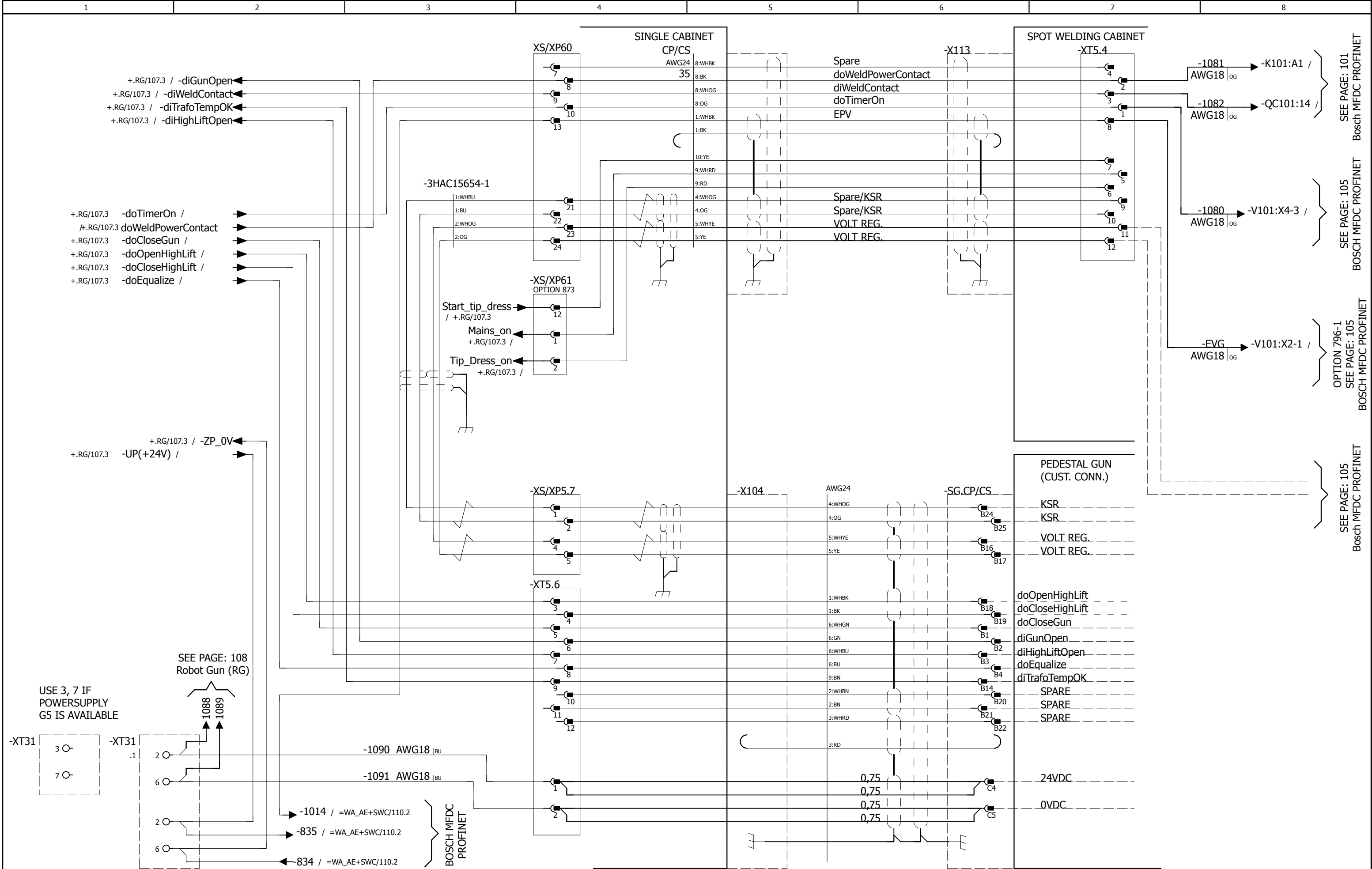
CI502 DIGITAL I/O UNIT



Latest revision:		REGION E		Lab/Office: DMRO SE/	SWC IRC5 Design 2016 WeldCab BOSCH MFDC	Status: 2016-03-31 APPROVED	Plant: = SWCAE Location: + PG Sublocation: + RG	Document no.		Rev. Ind	Page 107	
								3HAC057185-001			Next +RG/10	
Prepared by, date: SESEKUU				Approved by, date: SEPECAR7		ROBOT GUN (RG)				00		Total



We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB




SEE PAGE: 101
Bosch MFDC PROFINET

SEE PAGE: 105
Bosch MFDC PROFINET

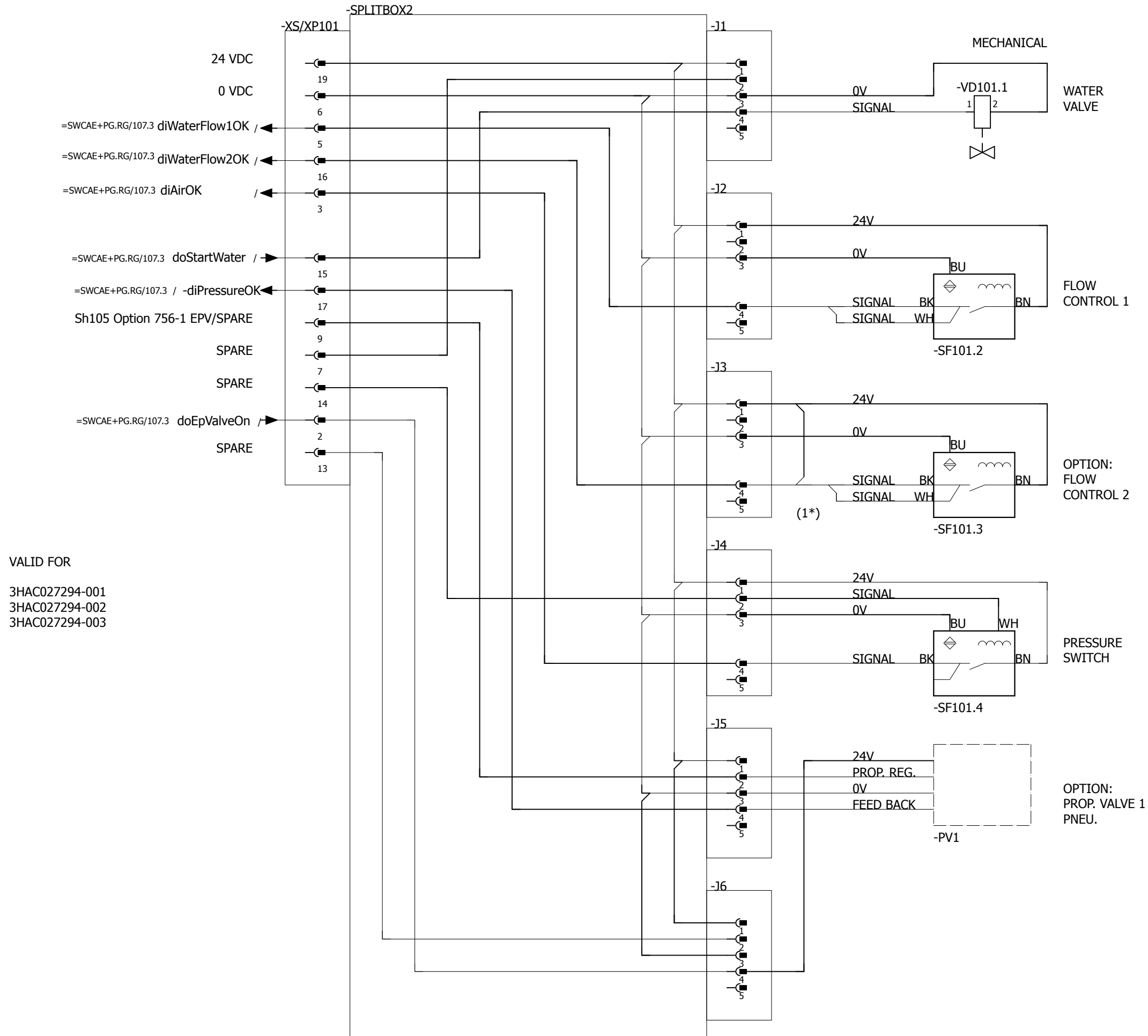
OPTION 796-1
SEE PAGE: 105
Bosch MFDC PROFINET

SEE PAGE: 105
Bosch MFDC PROFINET


Latest revision:			REGION E		Lab/Office:	SWC IRC5 Design 2016 WeldCab BOSCH MFDC	Status:	2016-03-31	Plant:	= SWCAE		
					DMRO SE/			APPROVED		Location:	+ PG	
								Sublocation:	+			
							Document no.			Rev. Ind	Page	109
Prepared by, date: SESEKUU			Approved by, date: SEPECAR7					3HAC057185-001		00	Next	=WA A
						PEDESTAL GUN (PG)					Total	

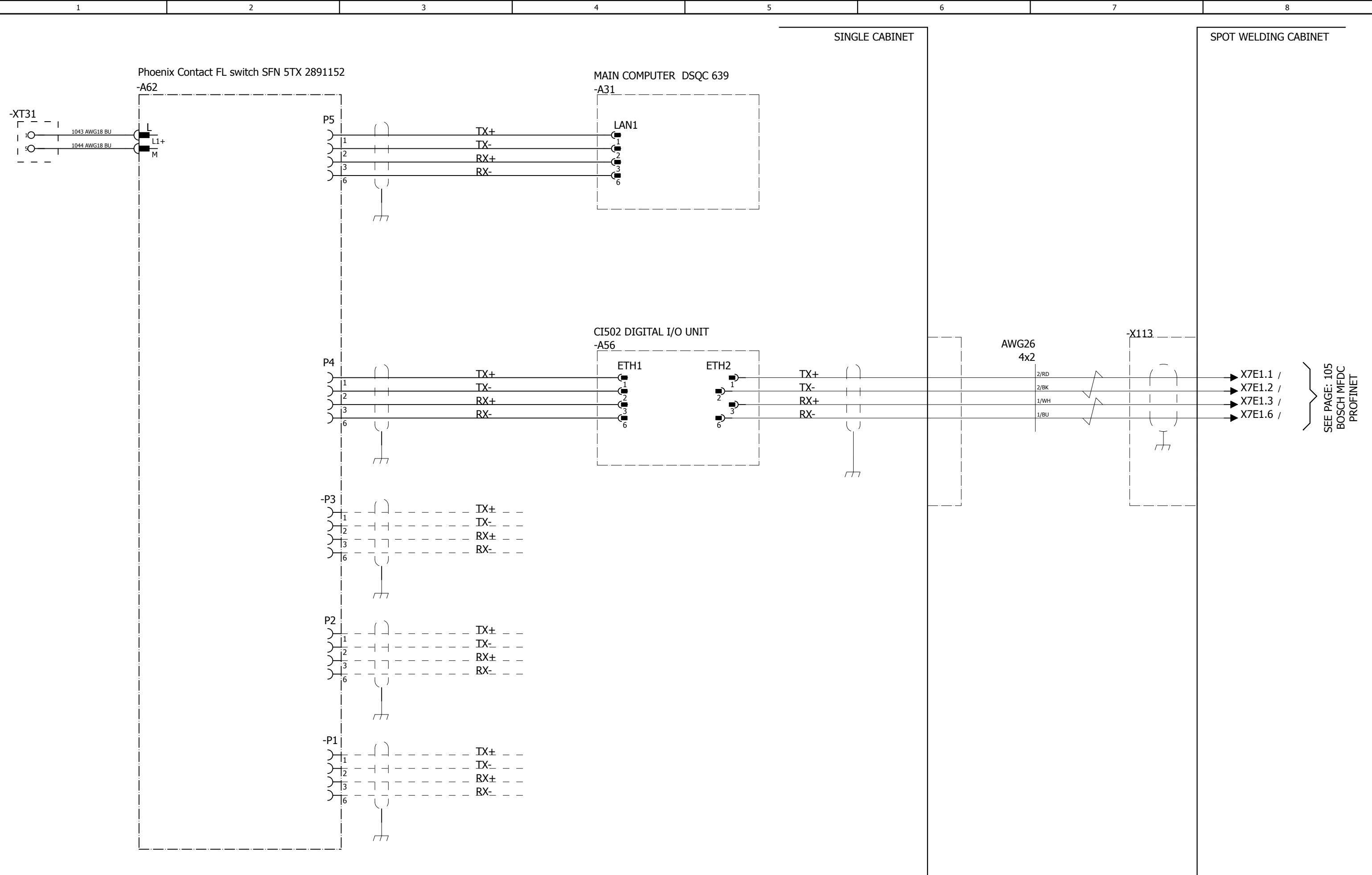


We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB

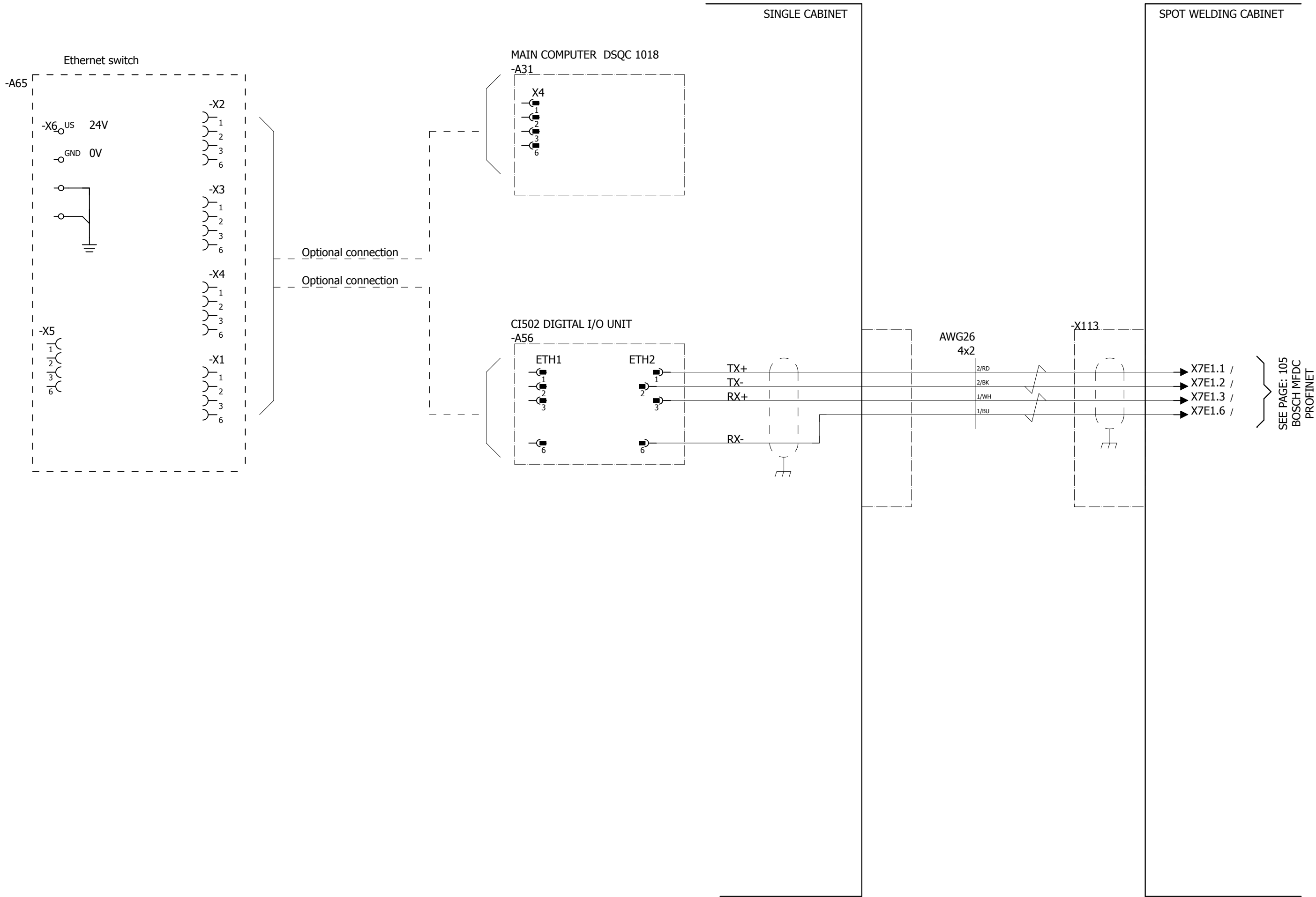


(1*) TERMINAL 1 AND 4 STRAPPED IF NOT USED.

Latest revision:			REGION E		Lab/Office: DMRO SE/	SWC IRC5 Design 2016 WeldCab BOSCH MFDC	Status: 2016-03-31 APPROVED		Plant: = WA_AE Location: + WA Sublocation: +
Prepared by, date: SESEKUU					WATER AND AIR UNIT - SPLIT BOX		Document no. 3HAC057185-001	Rev. Ind 00	Page 112 Next =PN+ Total
Approved by, date: SEPECAR7									



We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB



SEE PAGE: 105
BOSCH MFDC
PROFINET

Latest revision:			REGION E	<div><div>ABB</div><div>Lab/Office: DMRO SE/</div></div>	SWC IRC5 Design 2016 WeldCab BOSCH MFDC CPU DSQC 1018	Status: 2016-03-31 APPROVED	Plant: = PN Location: + IRC5 Sublocation: +	Document no.		Rev. Ind	Page 114
								3HAC057185-001			Next
Prepared by, date: SESEKUU			Approved by, date: SEPECAR7		PROFINET AND I/O					00	Total