



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.

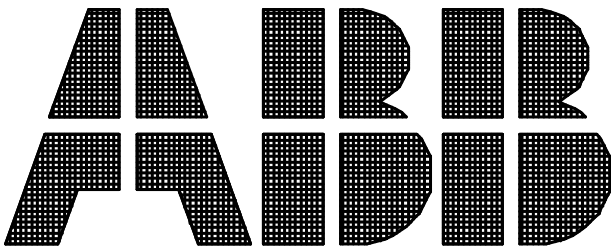
In no event shall ABB be liable for incidental or consequential damages arising from use of this document.

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 2007 ABB ALL right reserved.

ABB Automation Technologies AB
Robotics
SE-721 68 Västerås
Sweden

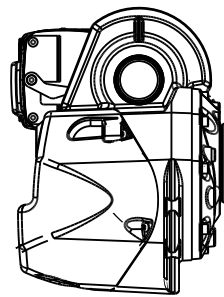


Customer :
Robot serial number(s) :
Drawing number : 3HAC021351-003
Drawing version :

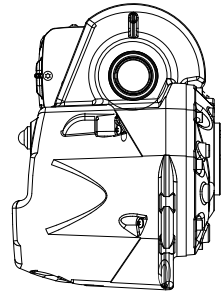
Manufacture : 6/22/2016
Type :
Type of installation :
Control cabinet :
Mains voltage :
Supply :
Control voltage :
Year of construction :

Project start :
Project manager :
Last revision :
Designed by : CNQILI2
Designed date : 6/22/2016
Number of pages : 17
:

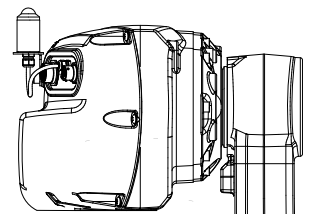
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Copyright 2003 ABB



IRB 1660ID - 6/1.55
IRB 1660ID - 4/1.55



IRB 1600ID - 4/1.5



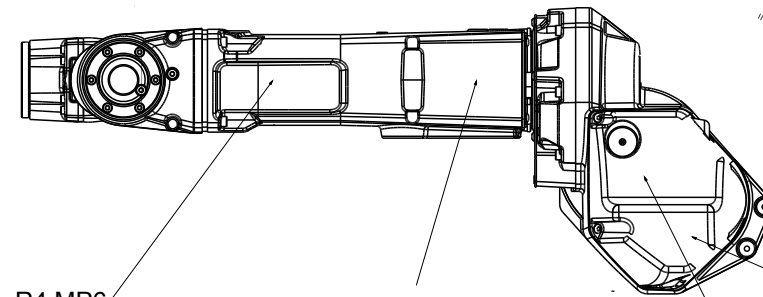
R1.SMB1.7
R2.FB7

Air
R1.SMB
R1.MP

R1.CP/CS
R1.CP
R1.CS

R1.LS

R1.FB1-2 R2.G
R1.FB3-6 R2.BU
R2.SMB R2.BU1-6

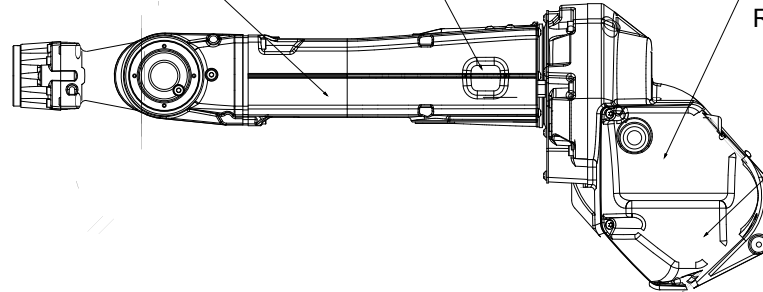


R4.MP6
R4.FB6

R4.MP5
R4.FB5

R3.FB3
R3.FB4
R3.FB5
R3.FB6

R3.MP3
R3.MP4
R3.MP5
R3.MP6
R3.H1
R3.H2



R2.CS
Air
R2.CP

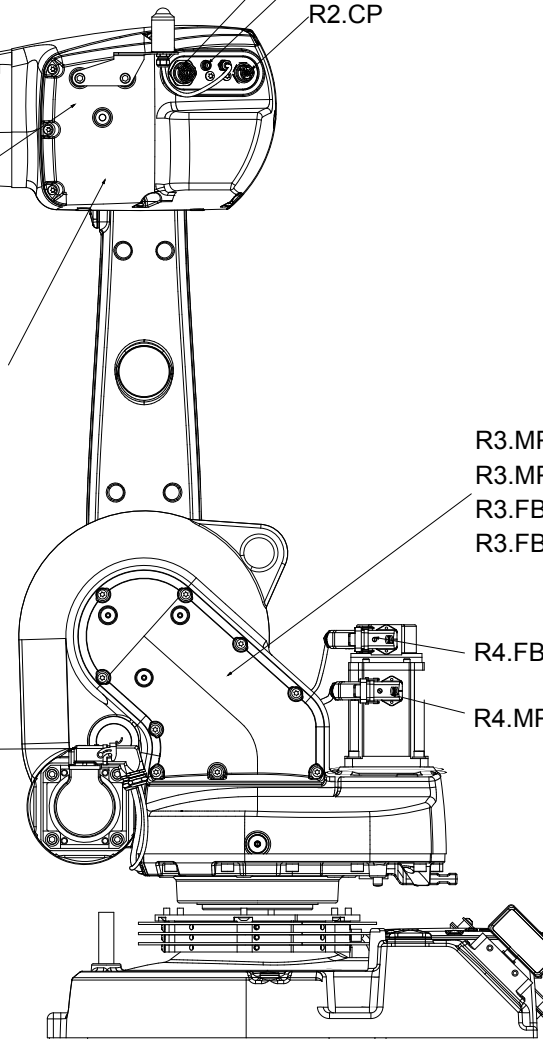
R3.FB3
R3.FB4
R3.FB5
R3.FB6

R3.MP3
R3.MP4
R3.MP5
R3.MP6
R3.H1
R3.H2

R3.MP1
R3.MP2
R3.FB1
R3.FB2

R4.MP2
R4.FB2

R4.FB1
R4.MP1



Latest revision:

Prepared by, date:

Approved by, date:



Lab/Office:

Manipulator Connection Points

Status: 8/8/2012

Approved

Document no.

3HAC021351-003

Plant: = IRB1600

Location: +

Sublocation: +

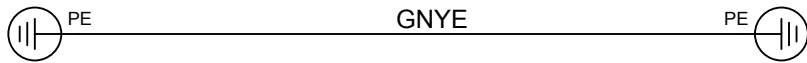
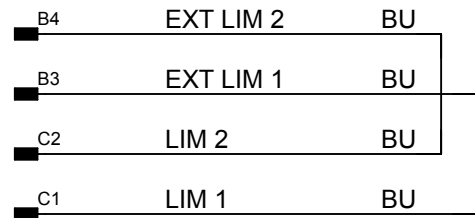
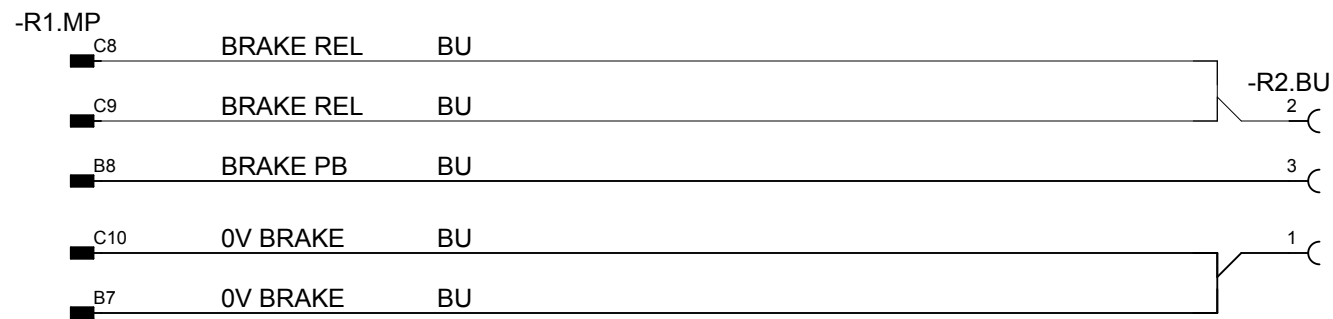
Rev. Ind

05

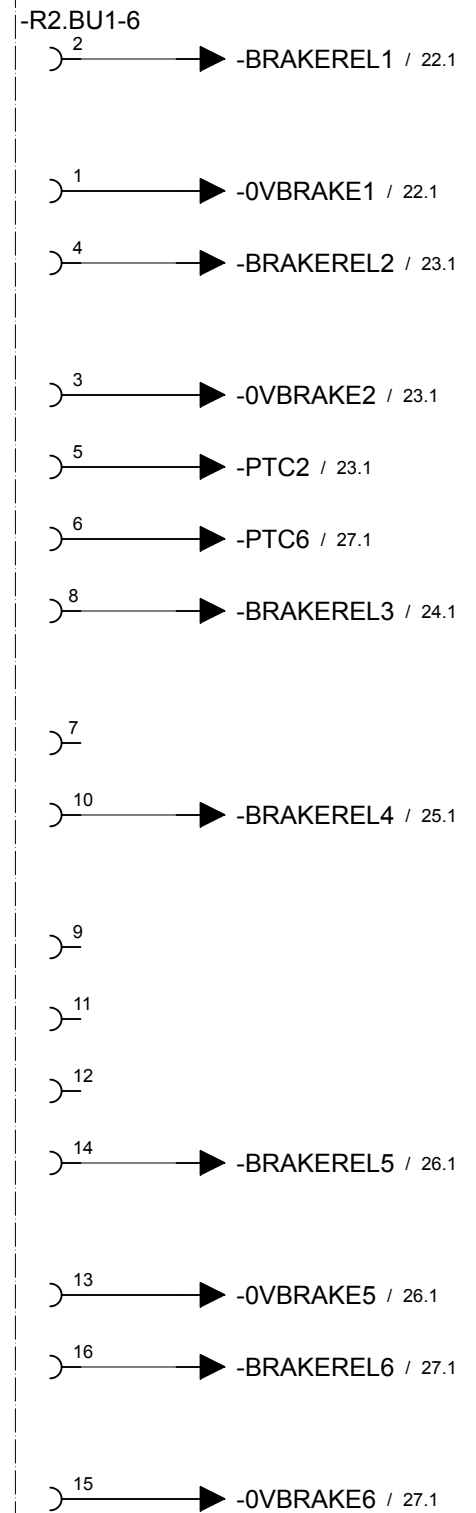
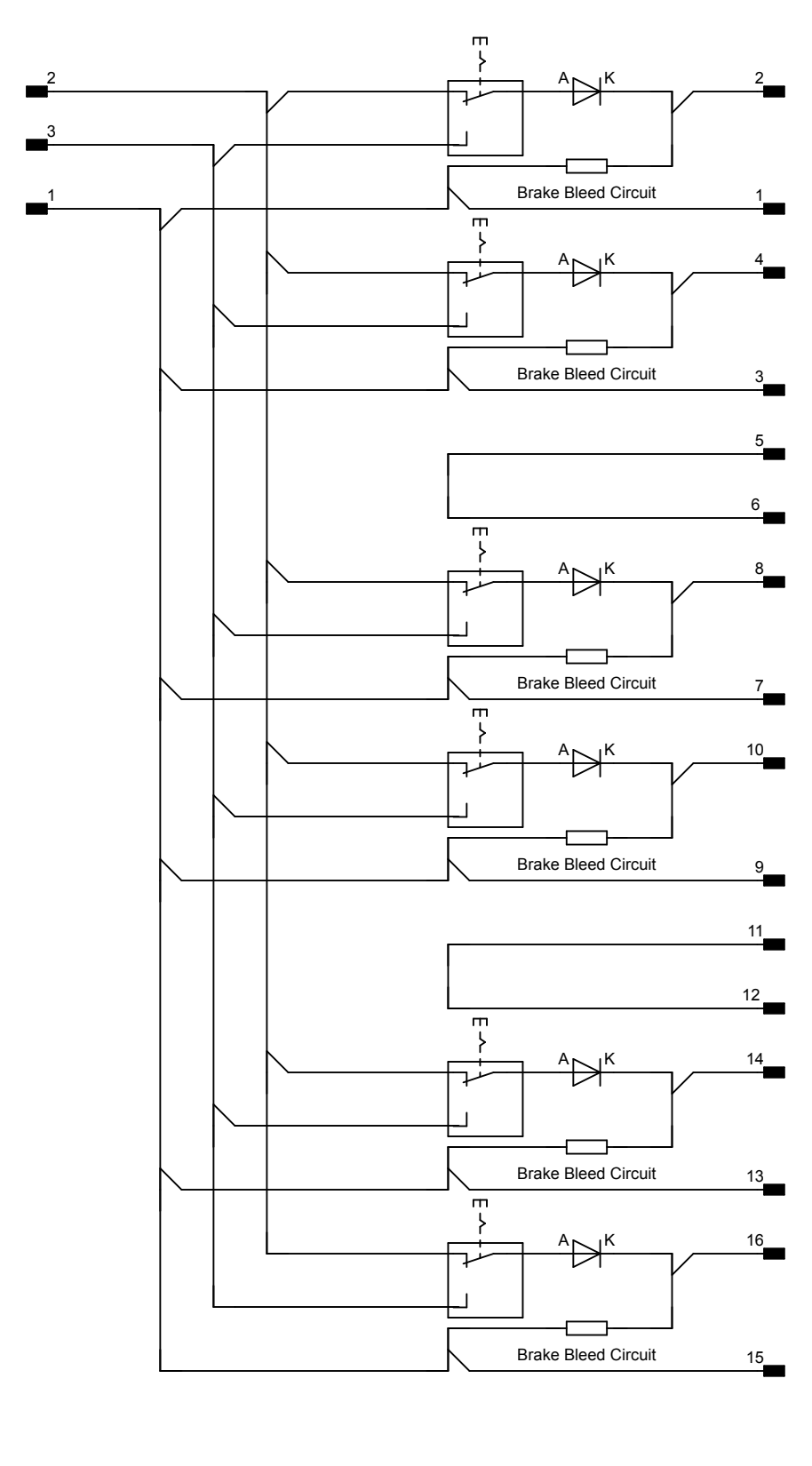
Page 11

Next =/20
Total 17

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



-BU BrakeRelease(Simplified)1



Latest revision:

Prepared by, date:

Approved by, date:



Lab/Office:

Brake Release Unit

Status: 8/8/2012

Approved

Document no.

3HAC021351-003

Plant: =

Location: +

Sublocation: +

Rev. Ind

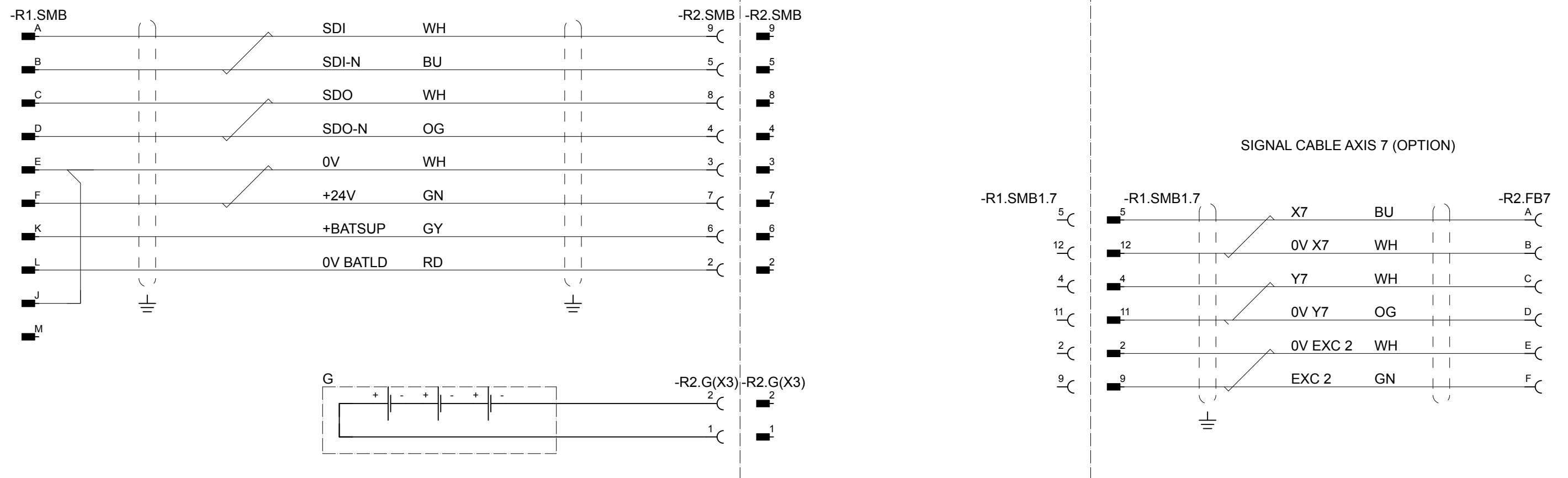
05

Page 20

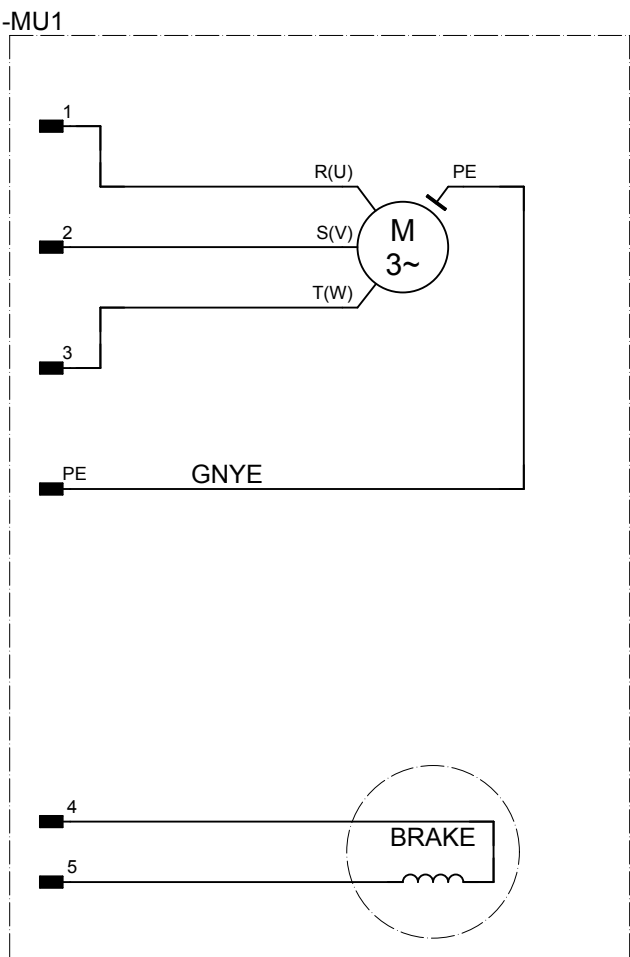
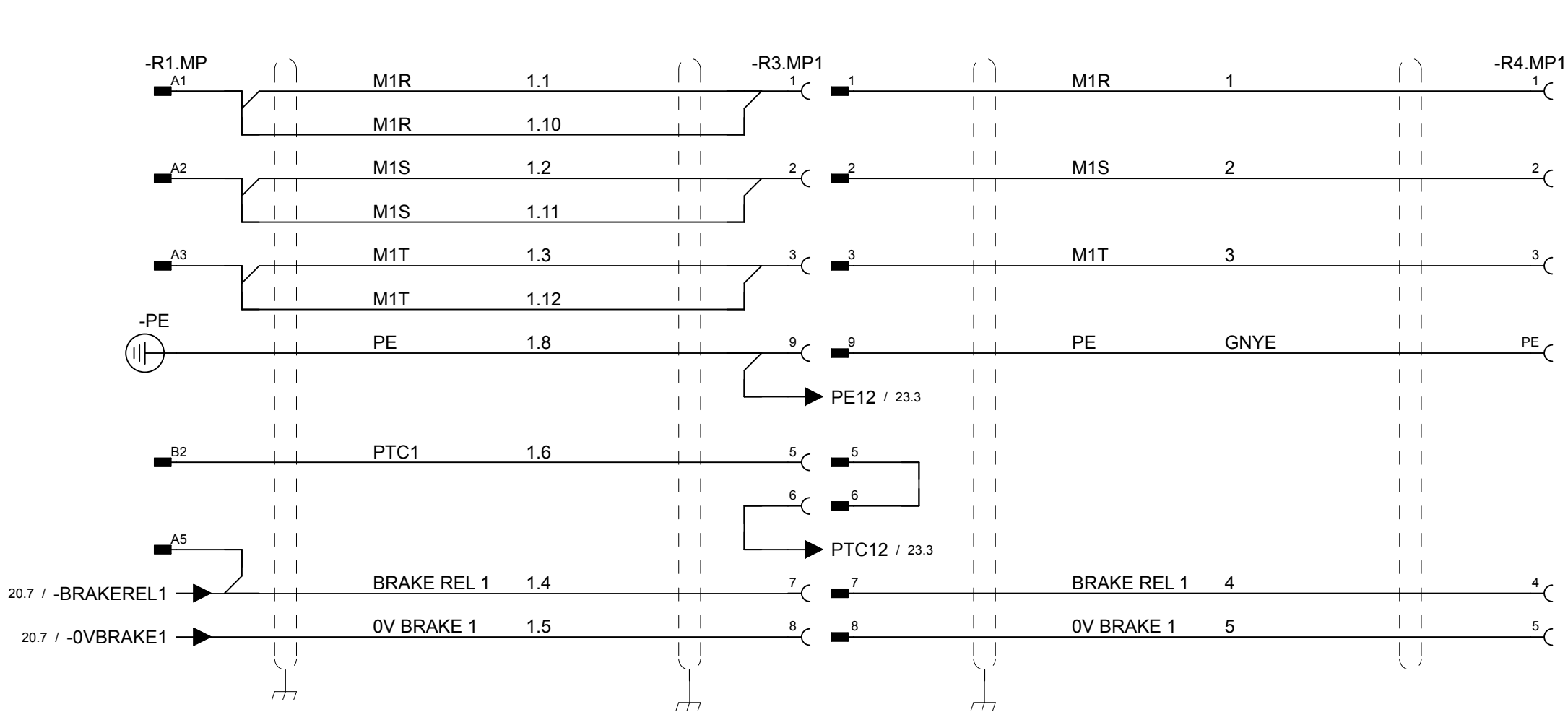
Next 21

Total 17

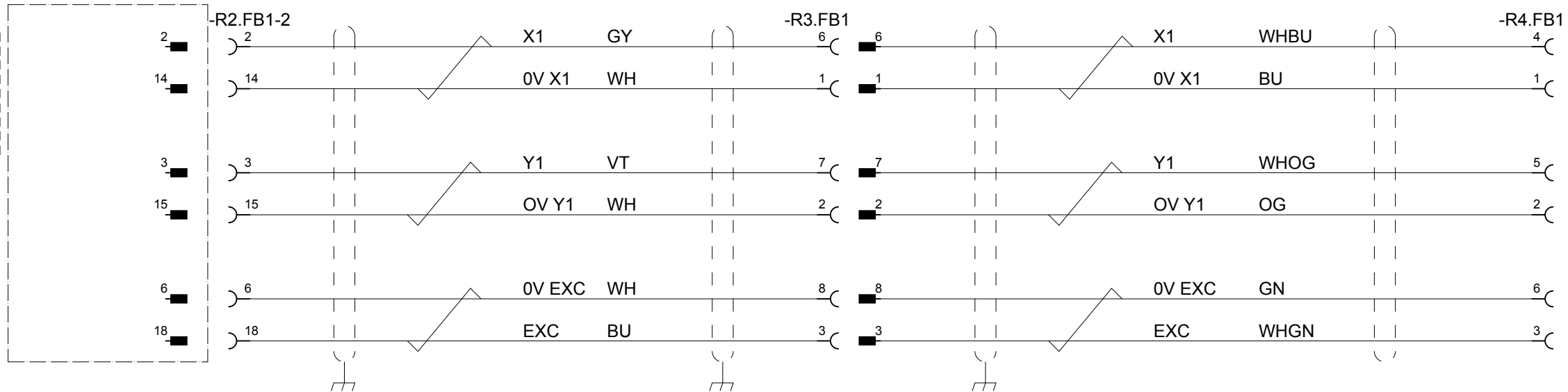
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. ? Copyright 2003 ABB



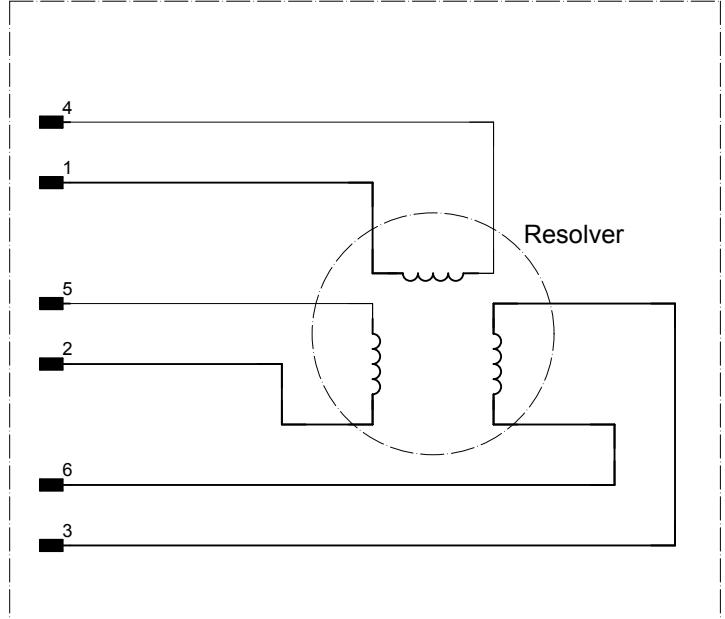
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. ?Copyright 2003 ABB



-SMB



-FB1



Latest revision:	
Prepared by, date:	
Approved by, date:	

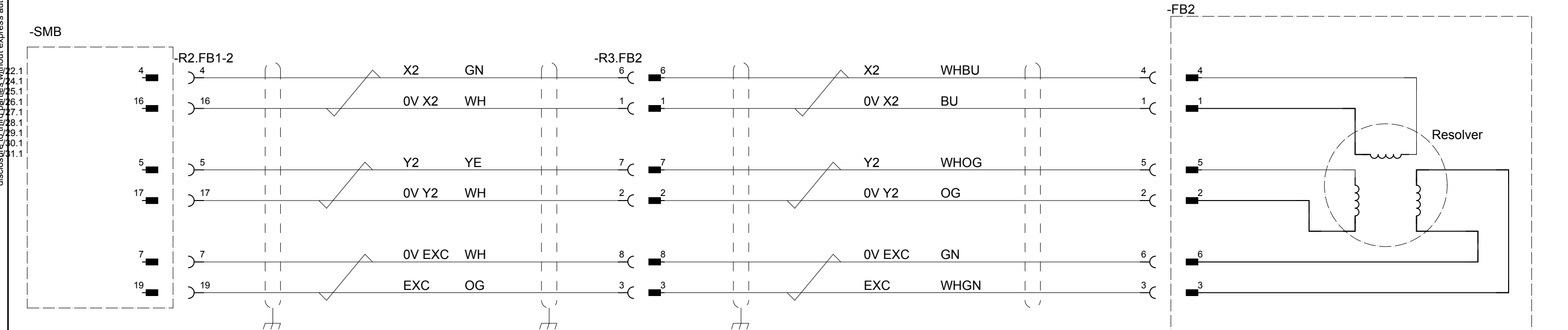
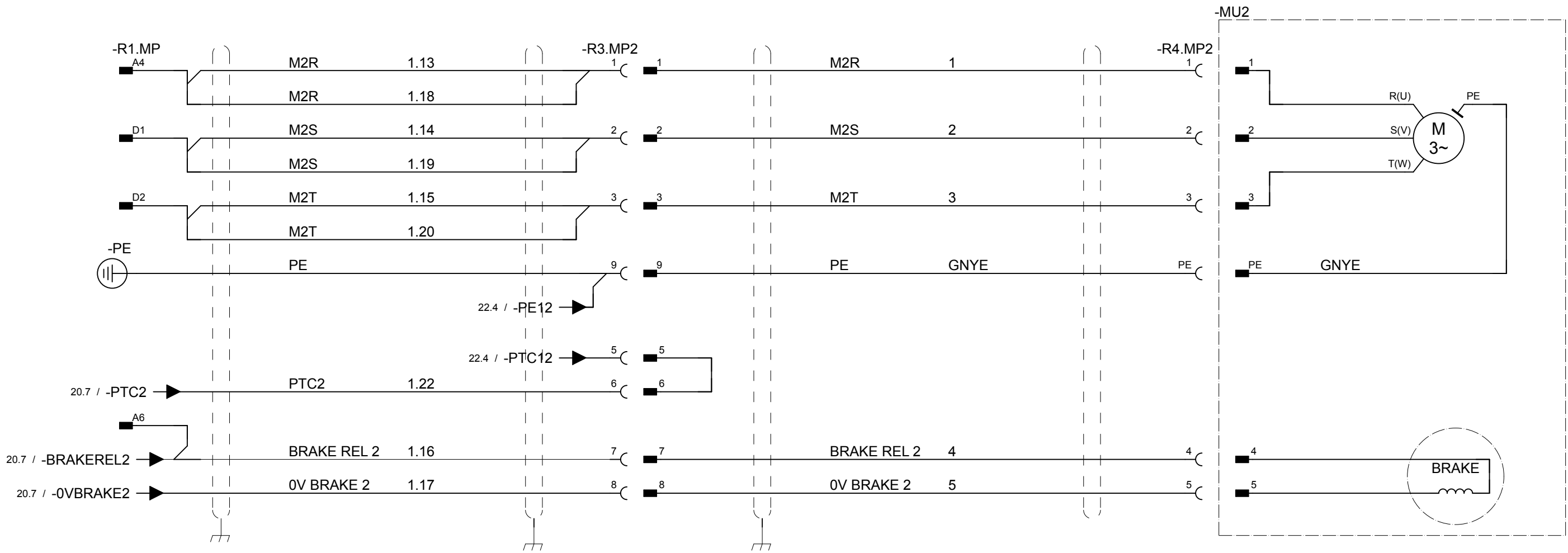


Lab/Office:

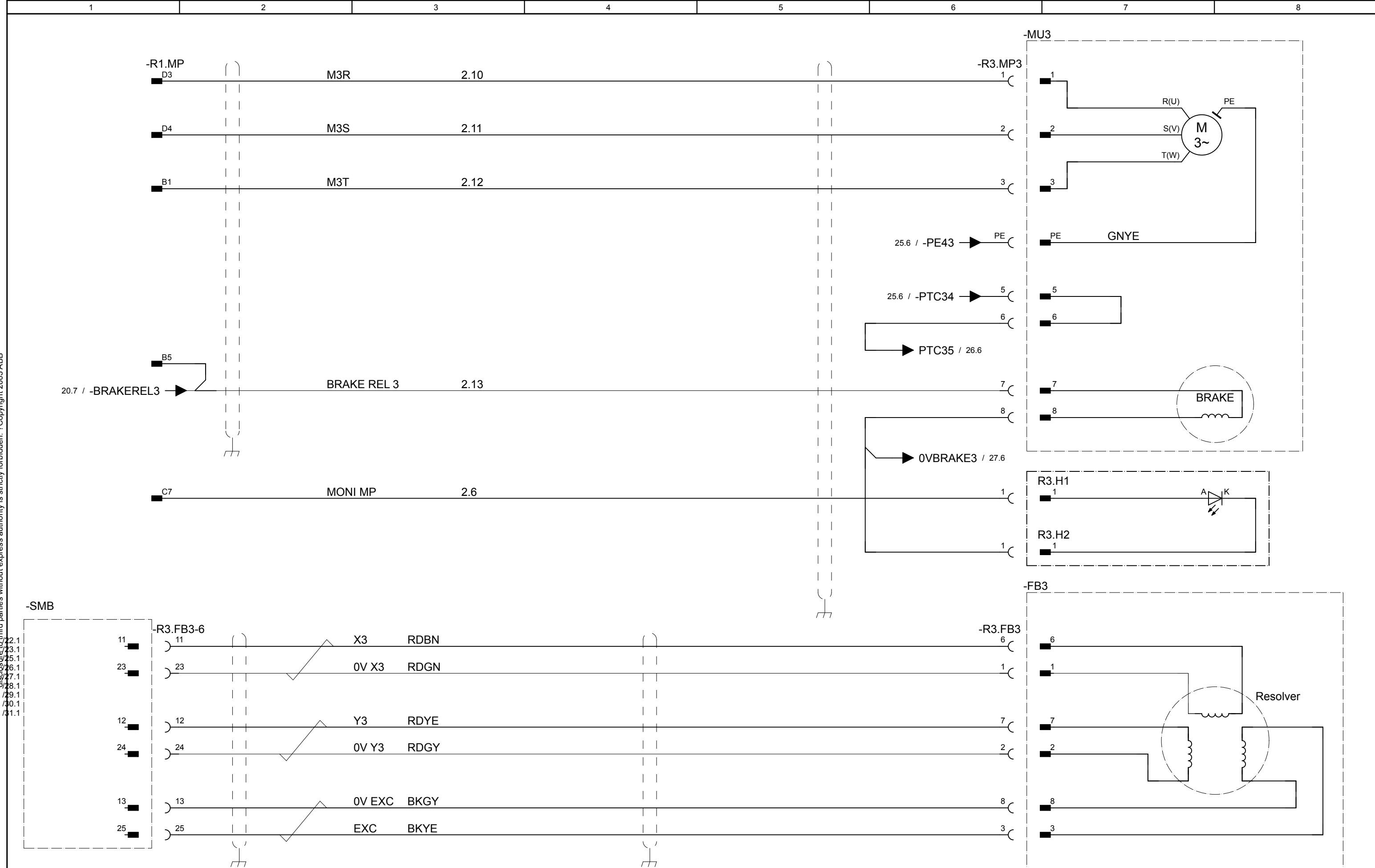
Axis 1

Status: 8/8/2012	Plant: =
Approved	Location: +
Document no. 3HAC021351-003	Sublocation: +
Rev. Ind 05	Page 22
	Next 23
	Total 17

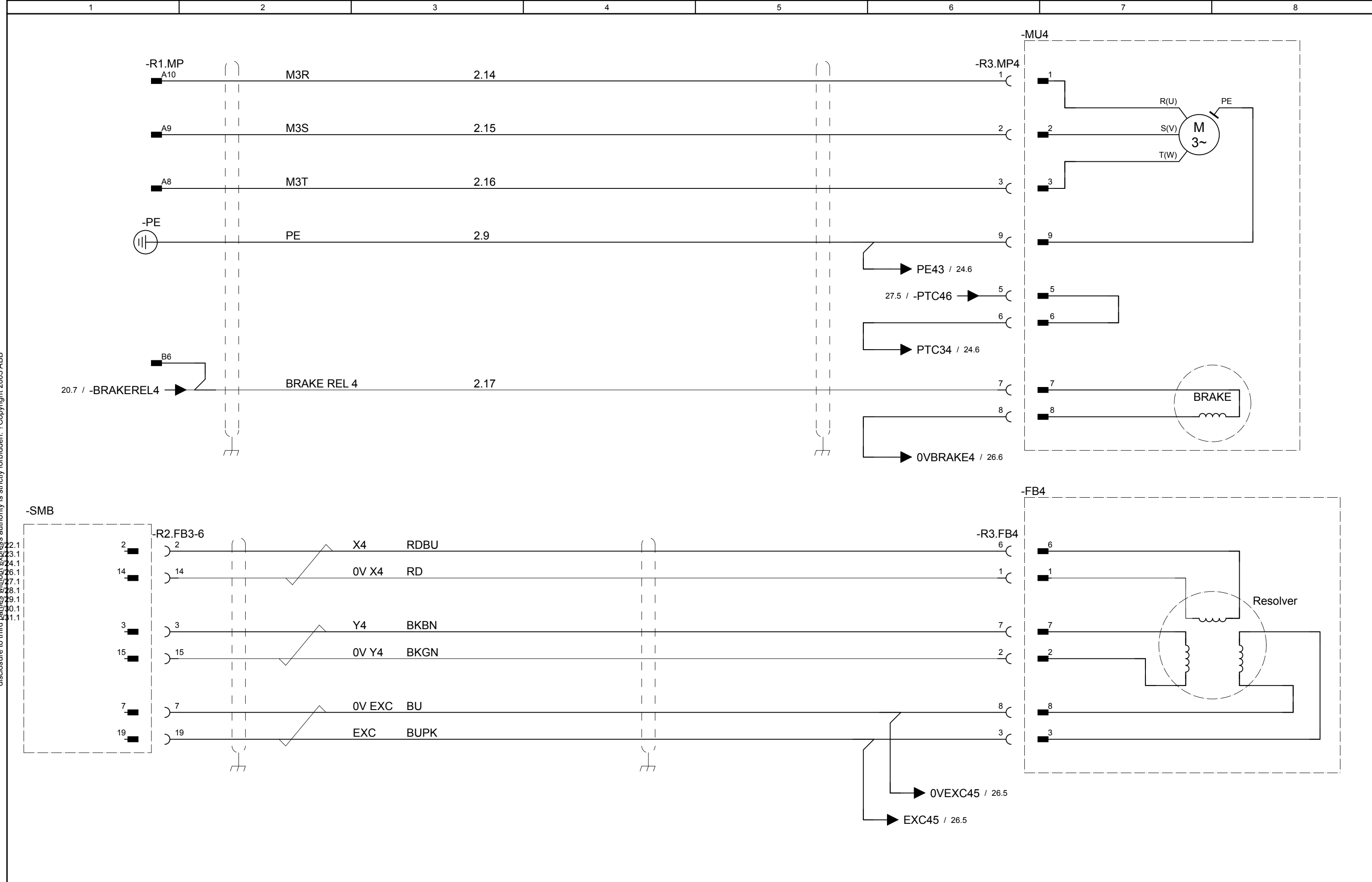
We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. ?Copyright 2003 ABB




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

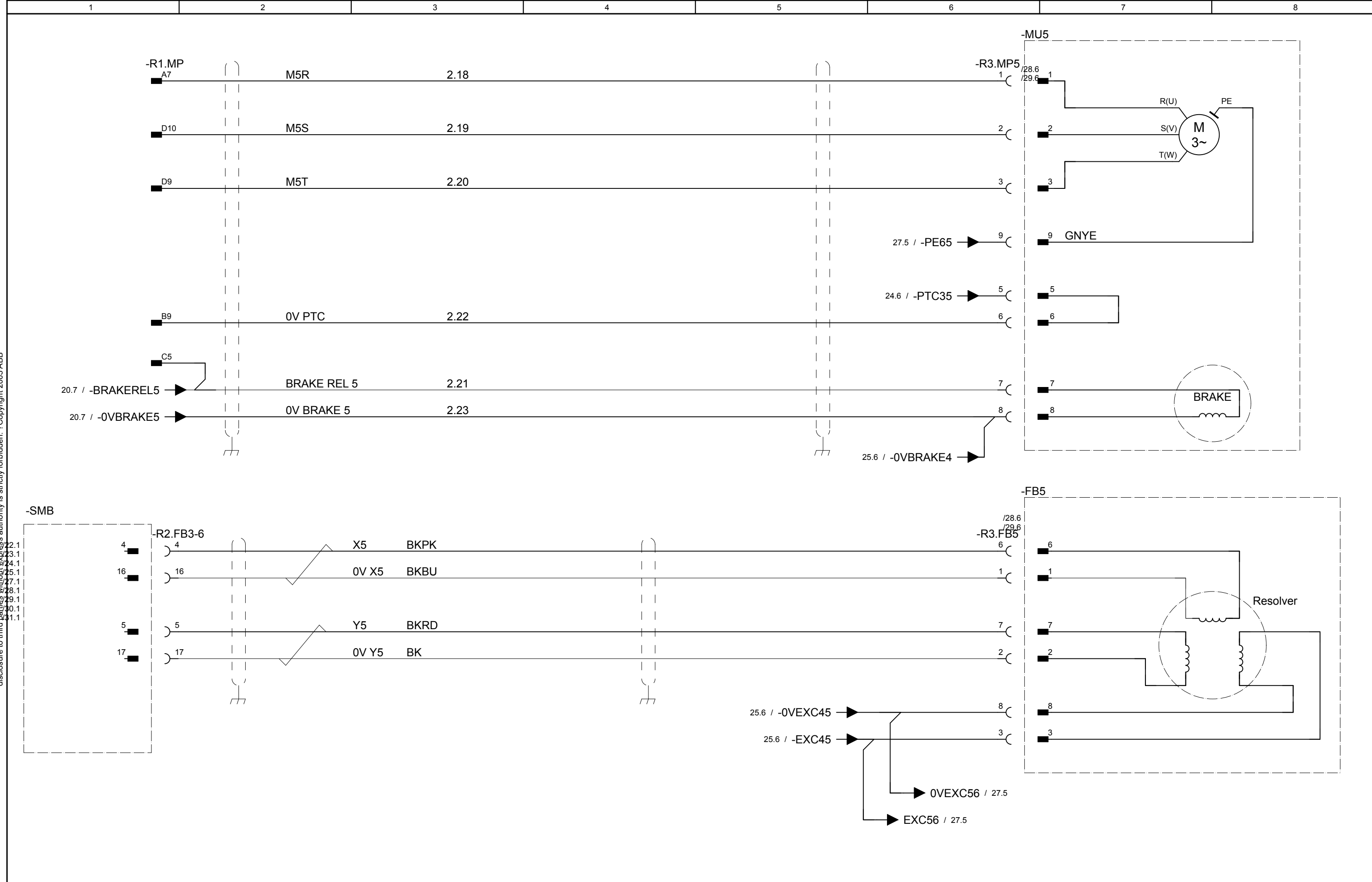



We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. ?Copyright 2003 ABB



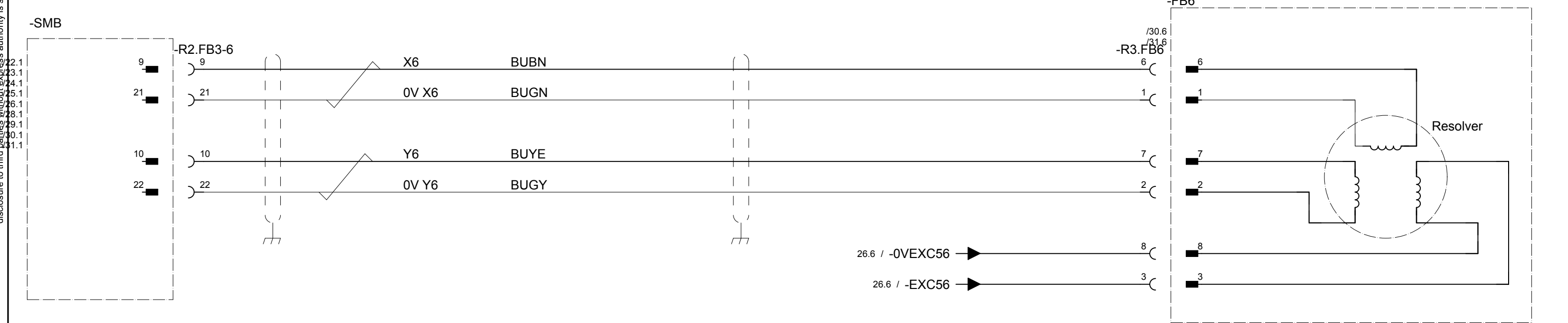
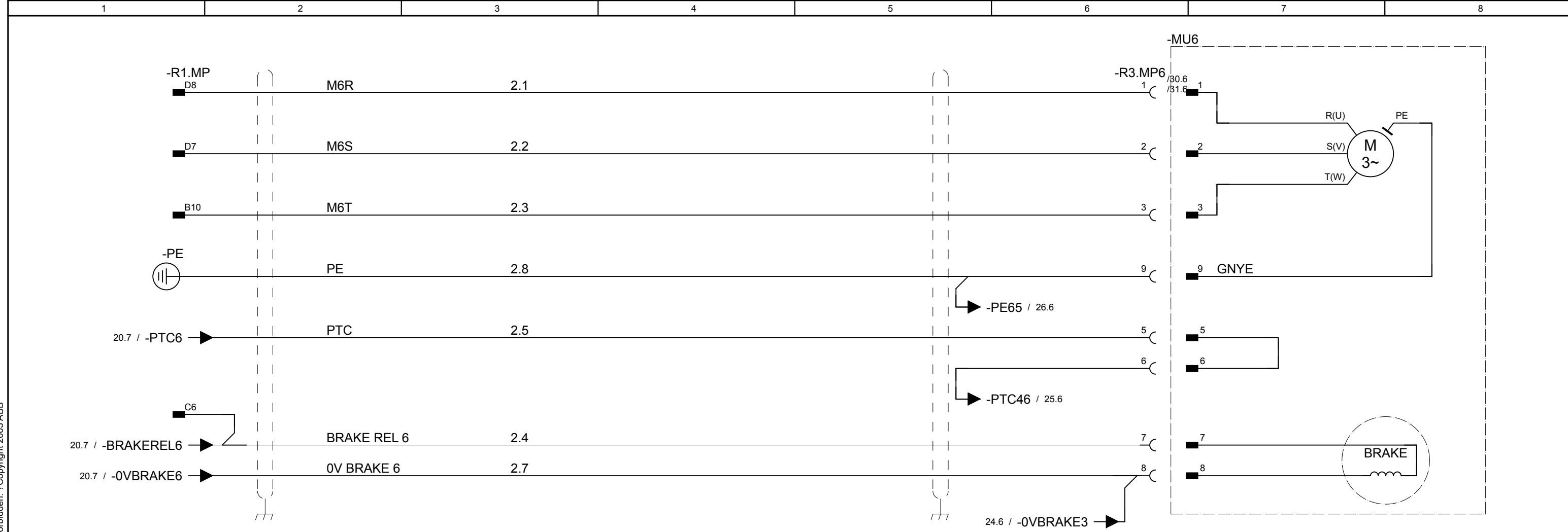
Latest revision:				Lab/Office:	Axis 4	Status: 8/8/2012		Plant: =	
						Approved		Location: +	
Prepared by, date:		Approved by, date:				Document no.		Rev. Ind	Page 25
						3HAC021351-003			Next 26
								05	Total 17


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



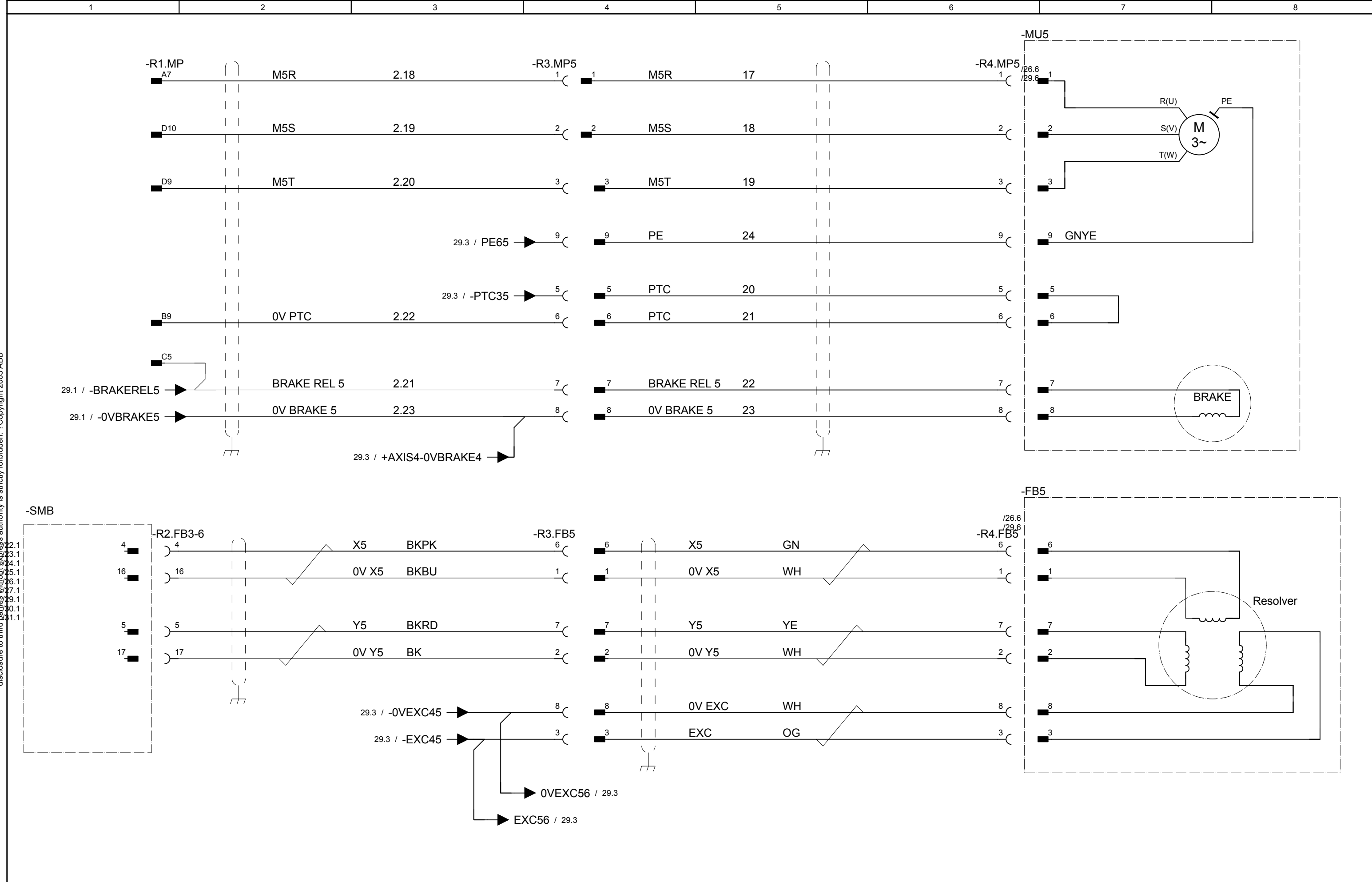
Latest revision:				Lab/Office:	Axis 5	Status: 8/8/2012		Plant: =		
						Approved		Location: +		
Prepared by, date:		Approved by, date:				Document no.		Rev. Ind	Page 26	
						3HAC021351-003			Next 27	
									Total 17	


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



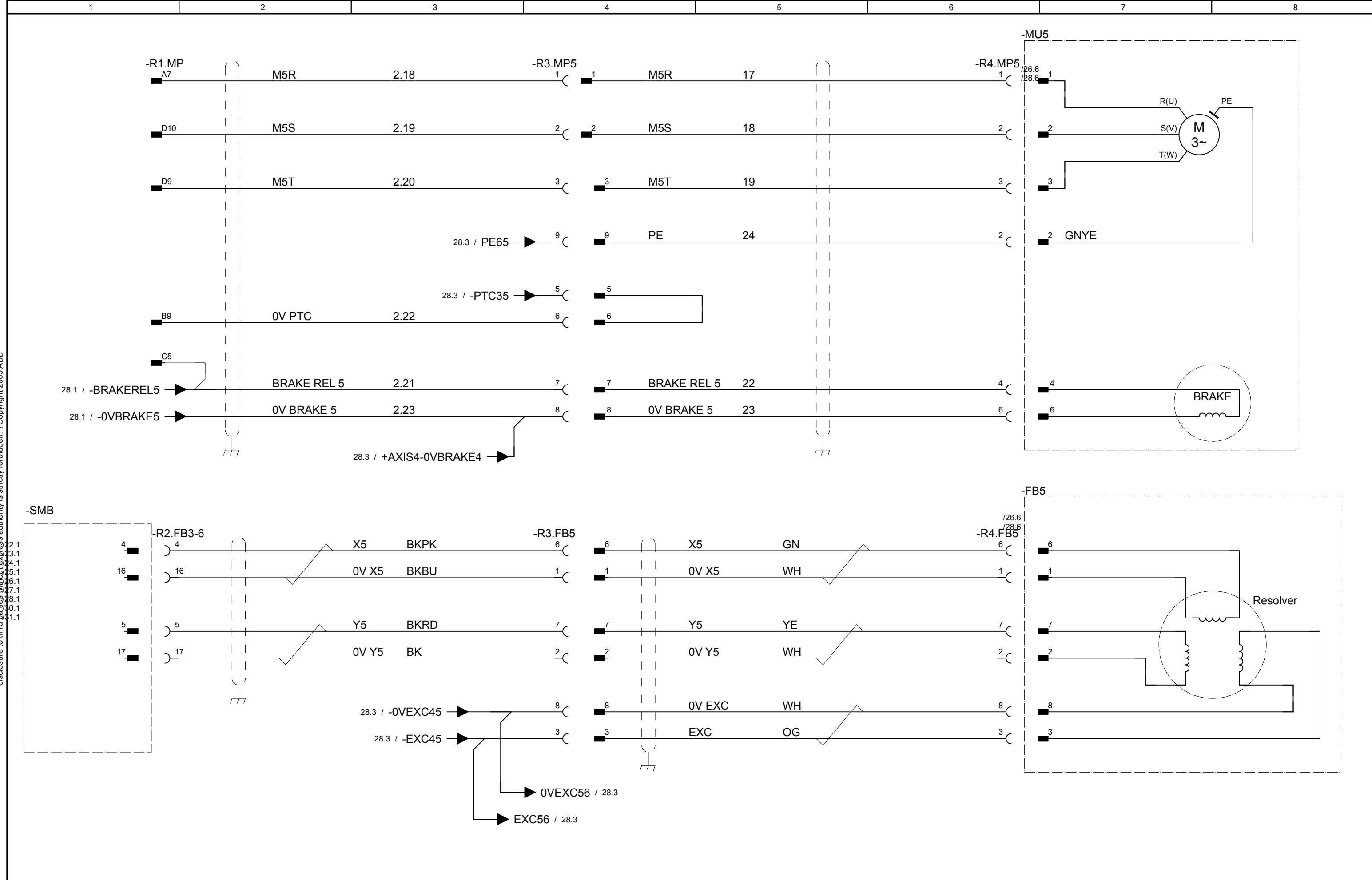
Latest revision:				Lab/Office:	Axis 6	Status: 8/8/2012		Plant: =	
						Approved		Location: +	
Prepared by, date:		Approved by, date:				Document no.		Rev. Ind	Page 27
						3HAC021351-003			Next 28
								05	Total 17


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



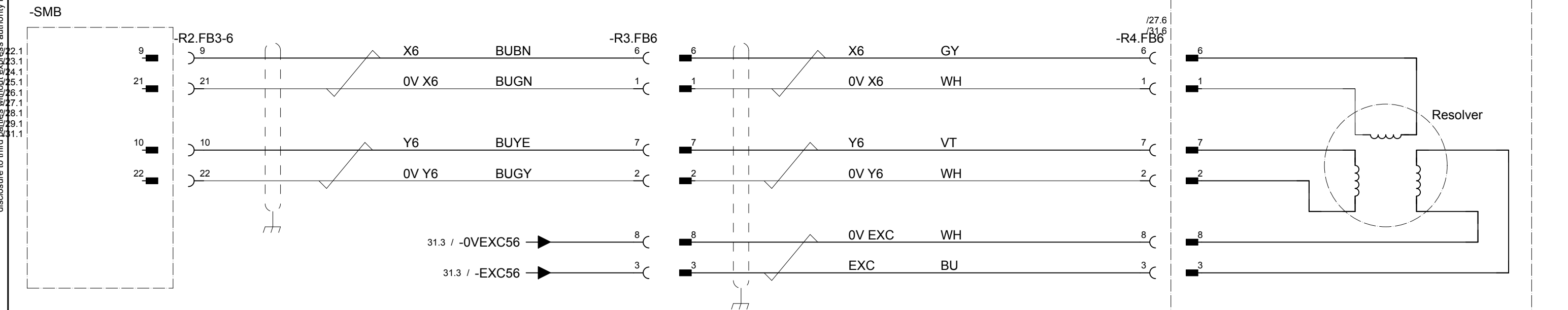
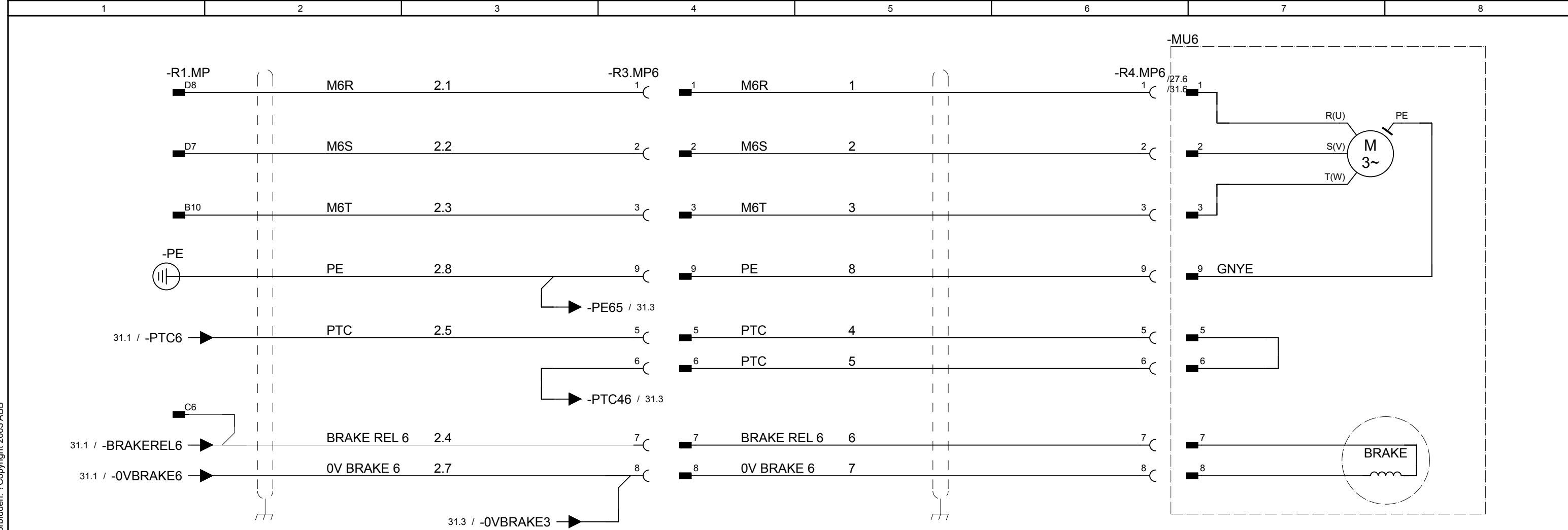
Latest revision:				Lab/Office:	Axis 5 IRB 1600ID-4/1.5	Status: 8/8/2012		Plant: =	
						Approved	Location: +		
						Sublocation: +			
Prepared by, date:		Approved by, date:				Document no.		Rev. Ind	Page 28
						3HAC021351-003		05	Next 29
								Total 17	


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



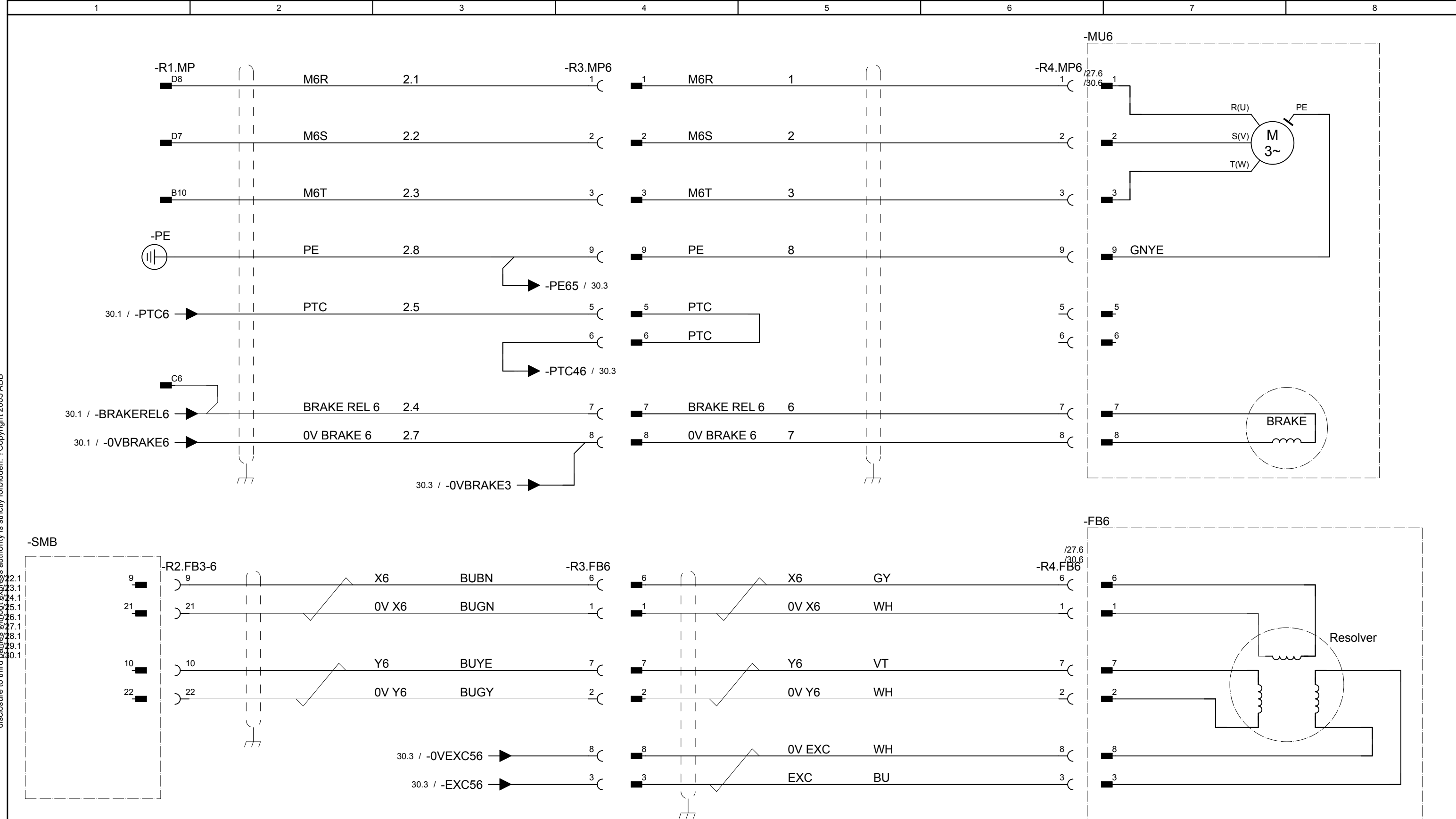
Latest revision:				Lab/Office:	Axis 5 IRB 1660ID-6/1.55&-4/1.55	Status: 8/8/2012		Plant: =	
						Approved		Location: +	
						Sublocation: +			
Prepared by, date:		Approved by, date:				Document no.		Rev. Ind	Page 29
						3HAC021351-003		05	Next 30
									Total 17


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



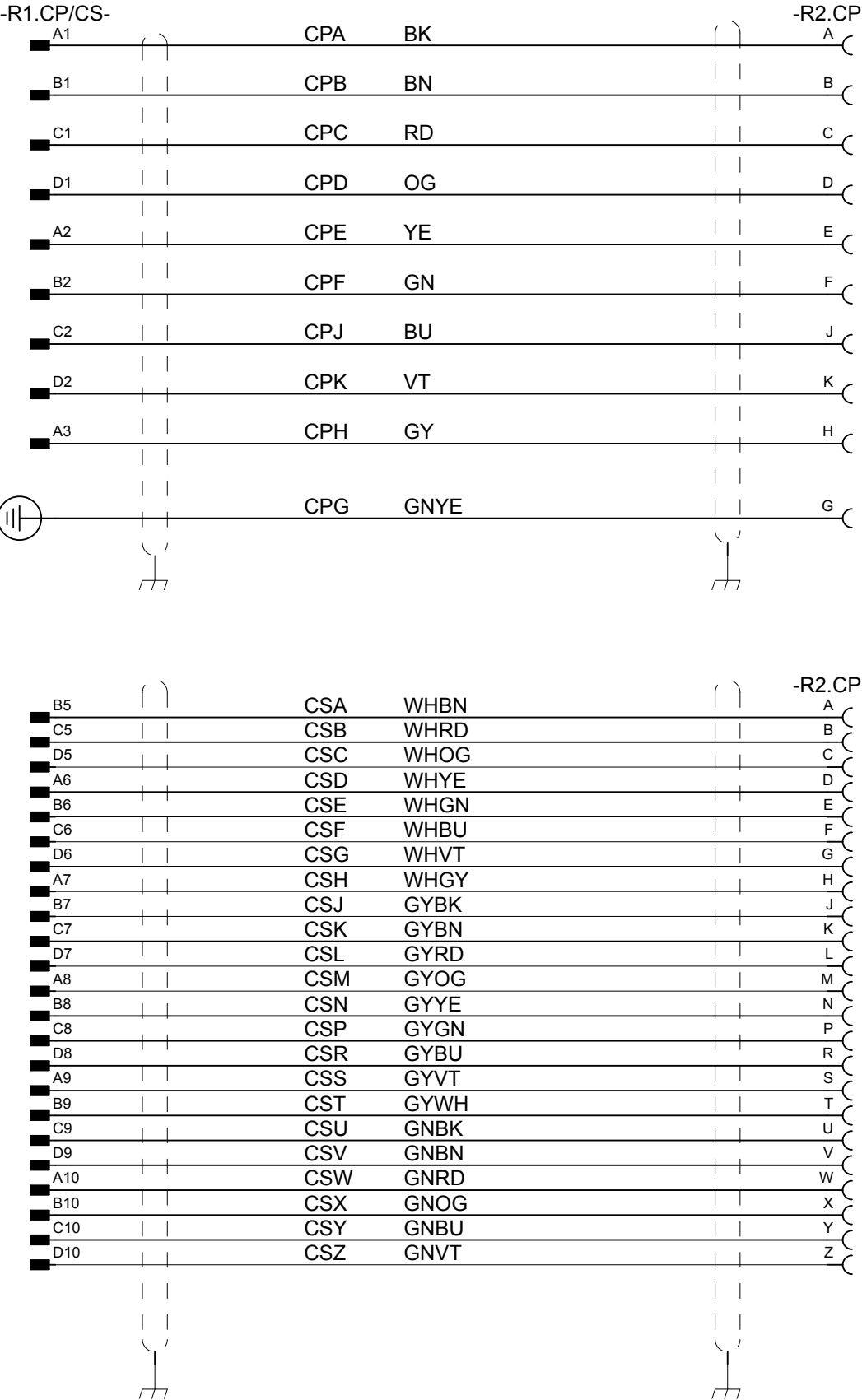
Latest revision:				Lab/Office:	Axis 6 IRB 1600ID-4/1.5	Status: 8/8/2012		Plant: =	
						Approved		Location: +	
						Sublocation: +			
Prepared by, date:		Approved by, date:				Document no.		Rev. Ind	Page 30
						3HAC021351-003		05	Next 31
								Total 17	

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:				Lab/Office:	Axis 6 IRB 1660ID-6/1.55&-4/1.55	Status: 8/8/2012		Plant: =	
						Approved	Location: +		
Prepared by, date:		Approved by, date:				Document no.		Rev. Ind	Page 31
						3HAC021351-003		05	Next 32
									Total 17

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:	
Prepared by, date:	Approved by, date:

ABB	Lab/Office:

Customer Connections

Status: 8/8/2012	Plant: =	
Approved	Location: +	
	Sublocation: +	
Document no.	Rev. Ind	Page 32
3HAC021351-003	05	Next 33
		Total 17

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

