

Rexroth Bosch Rexroth Limited
 Bosch Group Cirencester
 GL7 5UH



RFS AUTOMATION Roy Smith
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 www.rfs-automation.de

COVER SHEET

EQUIPMENT DESIGNATION: MF WELD CONTROL CABINET
 AUTOMATIC - CD345

DRAWING NUMBER :
 EQUIPMENT NO. :
 PLANT : FORD Genk
 INSTALLATION LOCATION:

SUPPLY : 400 VAC 50 Hz
 SUPPLY CABLE : 3 PHASE
 CONTROL VOLTAGE(S) : 24VDC
 YEAR OF MANUFACTURE : 2006
 PROGRAMMABLE CONTROLLER :

MANUFACTURER : Bosch Rexroth Limited
 Cirencester
 GL7 5UH
 MANUF. REF. : RFS (254 Issue 605a)
 RESPONSIBLE FOR PROJECT : DAVID HALFORD
 LAST CHANGED : 31.01.2006 / SMI

DETAILS OF ANY HAND WRITTEN CHANGES
 TO THESE DRAWINGS SHOULD BE WRITTEN HERE

EPLAN VERSION: 5.60

FILE NAME : WELD_AUT

HIGHEST SHEET NUMBER : 990
 NUMBER OF SHEETS : 26

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester GL7 5UH	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	COVER SHEET	= +	1
LAST CHANGED	12.01.2006	SMI		EQUIPMENT NR.						
PLOT DATE	31.01.2006	FILE NAME		MANUF. REF.	RFS (254 Issue 605a)	DRAWING NO.			<-- SHEET	SHEET -->
PLOT FRAME	FORD_D10	WELD_AUT								2

CONTENTS

COLUMN X: AN AUTOMATIC GENERATED SHEET HAS BEEN MANUALLY CHANGED

FORD_J10 07.01.1998

PAGE	PAGE DESCRIPTION	FORM	DATE	DESIGN.	X
1	COVER SHEET	FORD_E10	12.01.2006	SMI	
2	INDEX	FORD_J10	31.01.2006	SMI	
5	CHANGE SHEET		31.01.2006	SMI	
20	CABLE RUNOUT		27.01.2006	SMI	
40	WELD CONTROL CABINET CONSTRUCTION DRAWING		31.01.2006	SMI	
41	WELD CONTROL CABINET CONSTRUCTION DRAWING		18.01.2006	SMI	
42	WELD CONTROL CABINET CONSTRUCTION DRAWING		18.01.2006	SMI	
60	M31/M32 INLINE I/O OVERVIEW		27.01.2006	SMI	
61	M51 INLINE I/O OVERVIEW		27.01.2006	SMI	
100	SUPPLY 400VAC		19.01.2006	SMI	
101	SUPPLY 400VAC AND WELDING TRANSFORMER		19.01.2006	SMI	
102	SUPPLY 24VDC		19.01.2006	SMI	
103	INTERFACE WITH LINE CONTROL		19.01.2006	SMI	
104	INLINE I/O SUPPLY		19.01.2006	SMI	
105	INLINE I/O SUPPLY		19.01.2006	SMI	
106	COMMUNICATION INTERBUS AND ETHERNET		19.01.2006	SMI	
107	MF CONTROL AND PROPORTIONAL VALVE		31.01.2006	SMI	
108	GUN 1 AND 2 24VDC SUPPLY AND INTERBUS		19.01.2006	SMI	
109	GUN 1 AND 2 WATER FLOW		19.01.2006	SMI	
110	GUN 1 TIP DRESSER		27.01.2006	SMI	
111	GUN 2 TIP DRESSER		27.01.2006	SMI	
112	SPARE		19.01.2006	SMI	
900	X1 TERMINALS	FORD_K13	31.01.2006	SMI	
901	X4 CONNECTOR FOR GUN 1	FORD_K13	31.01.2006	SMI	
902	X6 CONNECTOR FOR GUN 2	FORD_K13	31.01.2006	SMI	
990	STOCKLIST	FORD_011	31.01.2006	SMI	

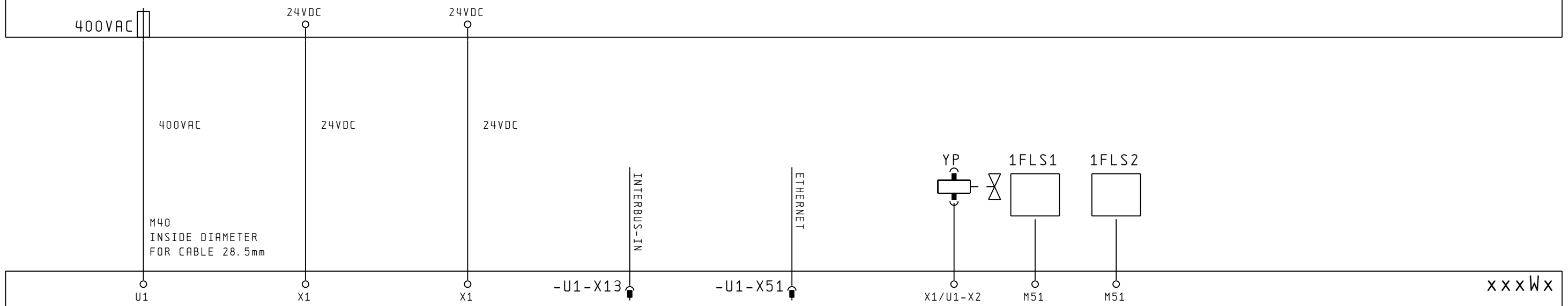
DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	INDEX	= + 2	<-- SHEET 1 SHEET --> 5
LAST CHANGED	31.01.2006	SMI			GL7 5UH	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME			RFS (254 Issue 605a)	DRAWING NO.				
PLOT FRAME	FORD_D10	WELD_AUT		MANUF. REF.						

CHANGES

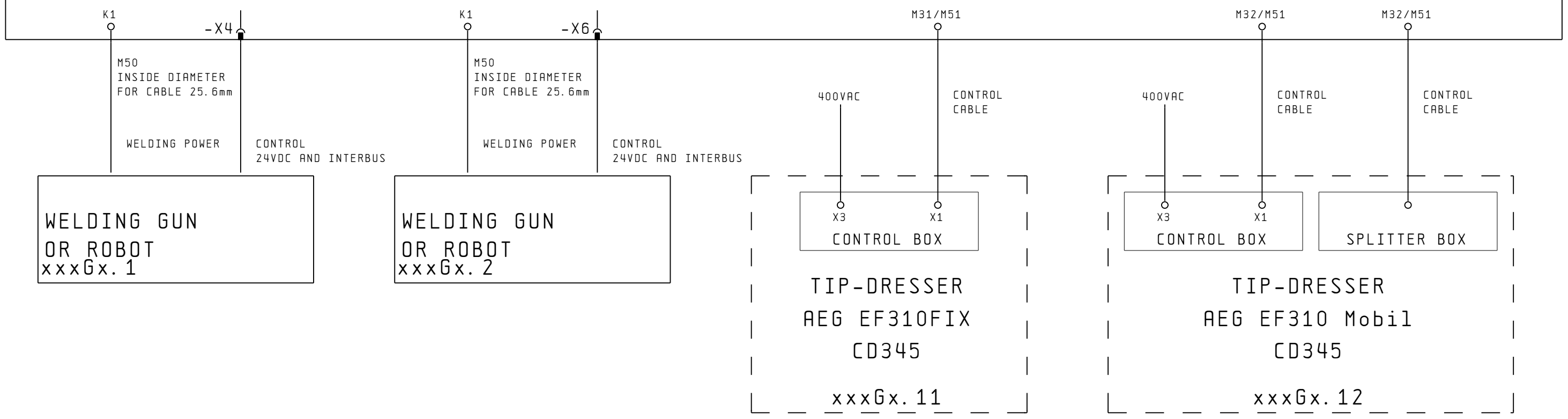
Empty area for change details									
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DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	CHANGE SHEET	= +	5
LAST CHANGED	31.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.			<-- SHEET	SHEET -->
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.		2	20	
PLOT FRAME	FORD_D10	WELD_AUT								

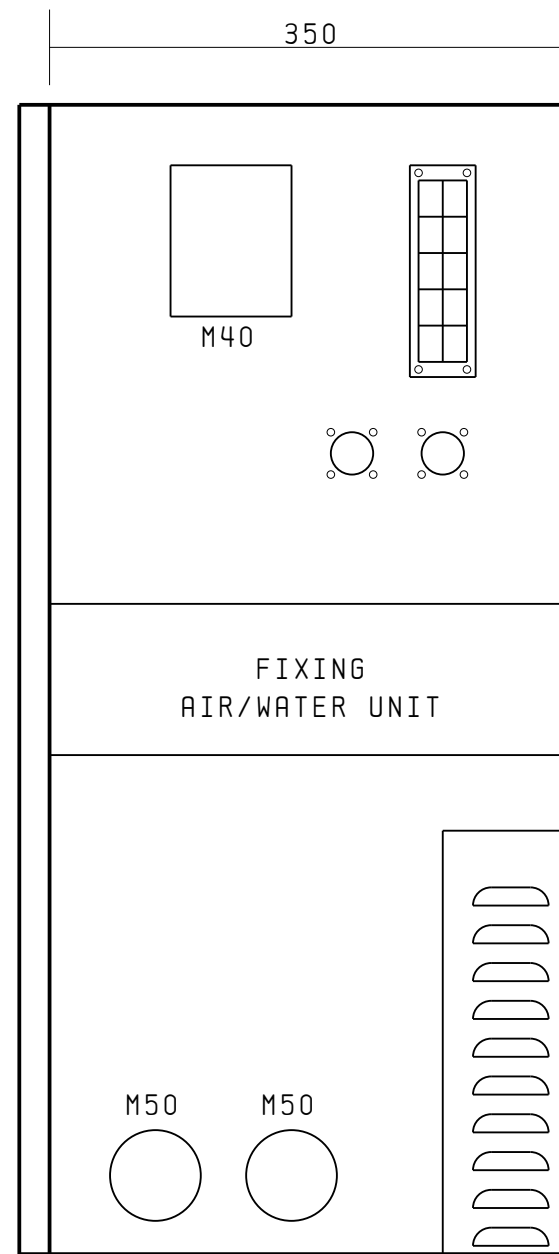
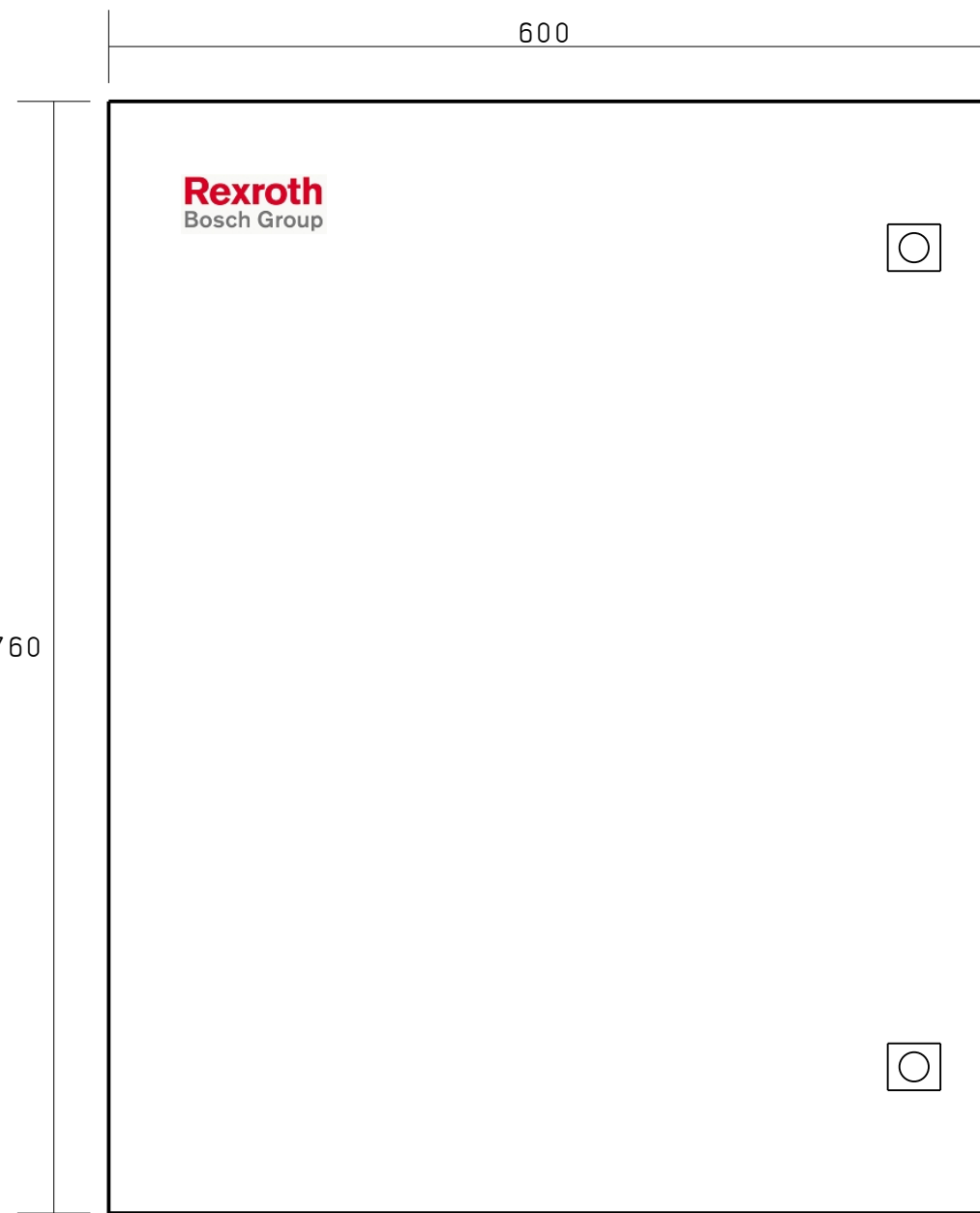
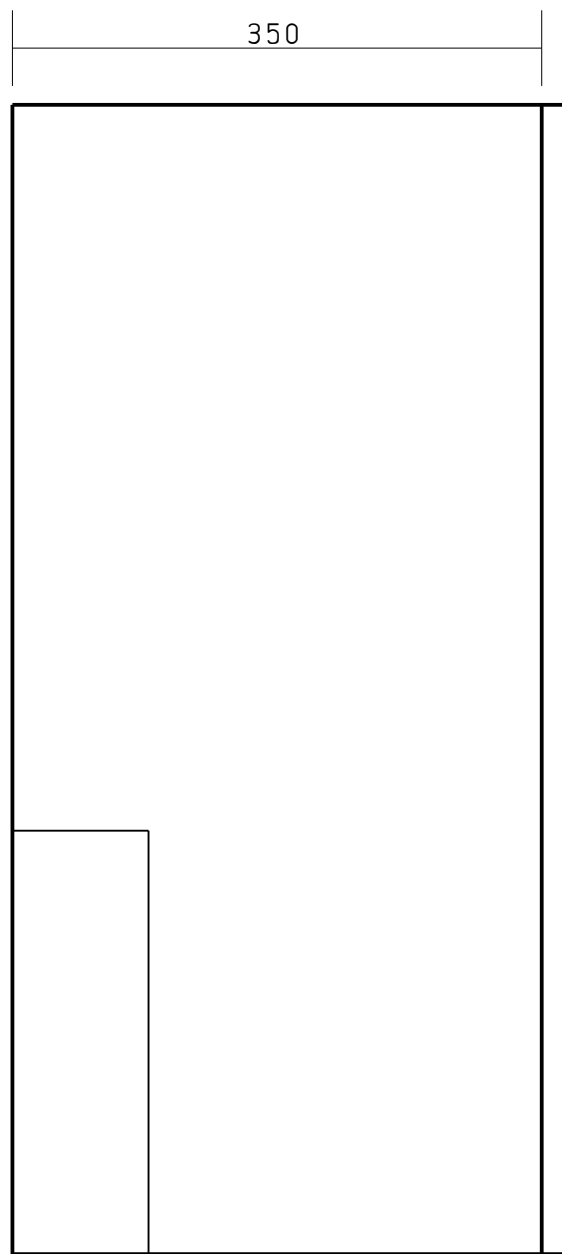
A2 LINE CONTROL CABINET



MF WELD CONTROL CABINET

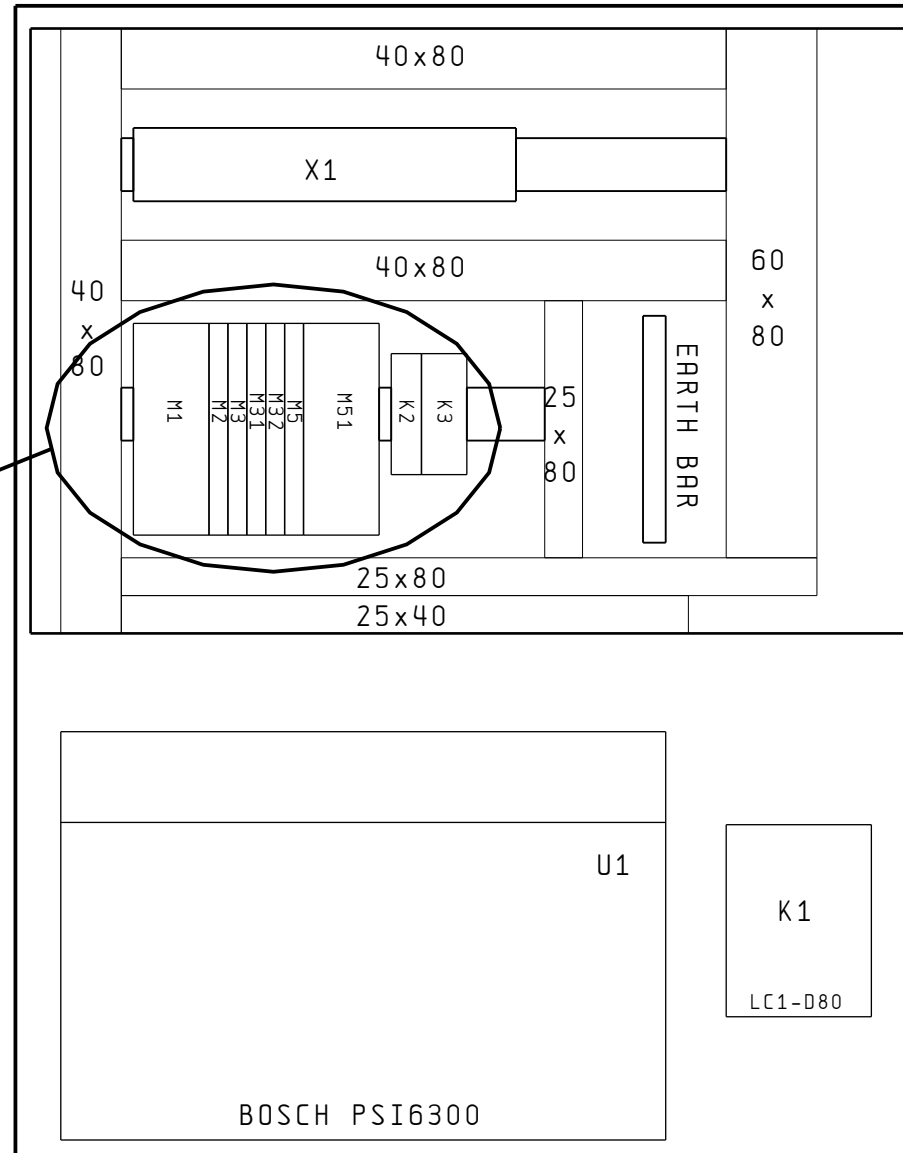
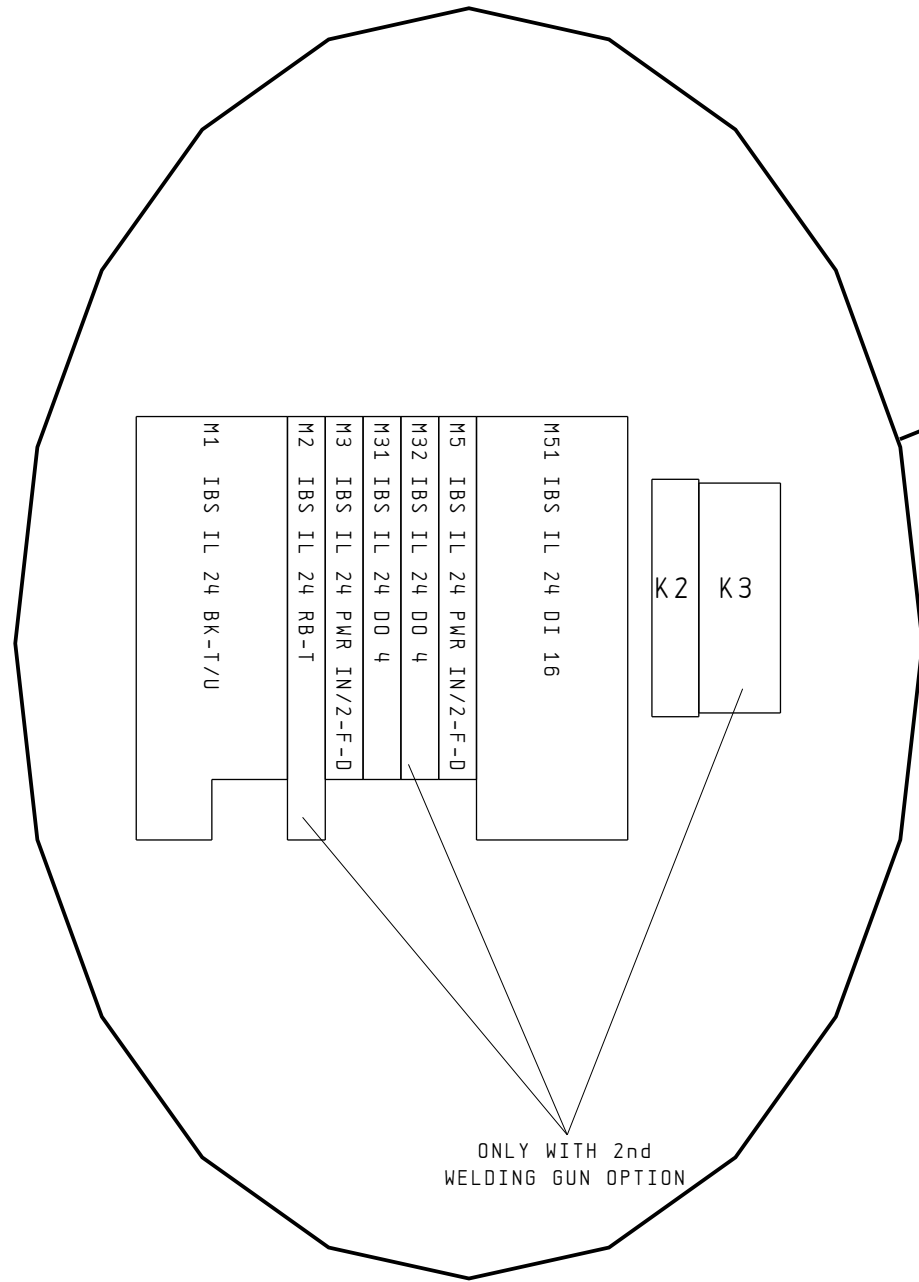


DESIGNED	24. 11. 2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester GL7 5UH	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	CABLE RUNOUT	=	+	20
LAST CHANGED	27. 01. 2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.			<--- SHEET	5	SHEET --->
PLOT DATE	31. 01. 2006	FILE NAME				DRAWING NO.					
PLOT FRAME	FORD_D10	WELD_AUT									



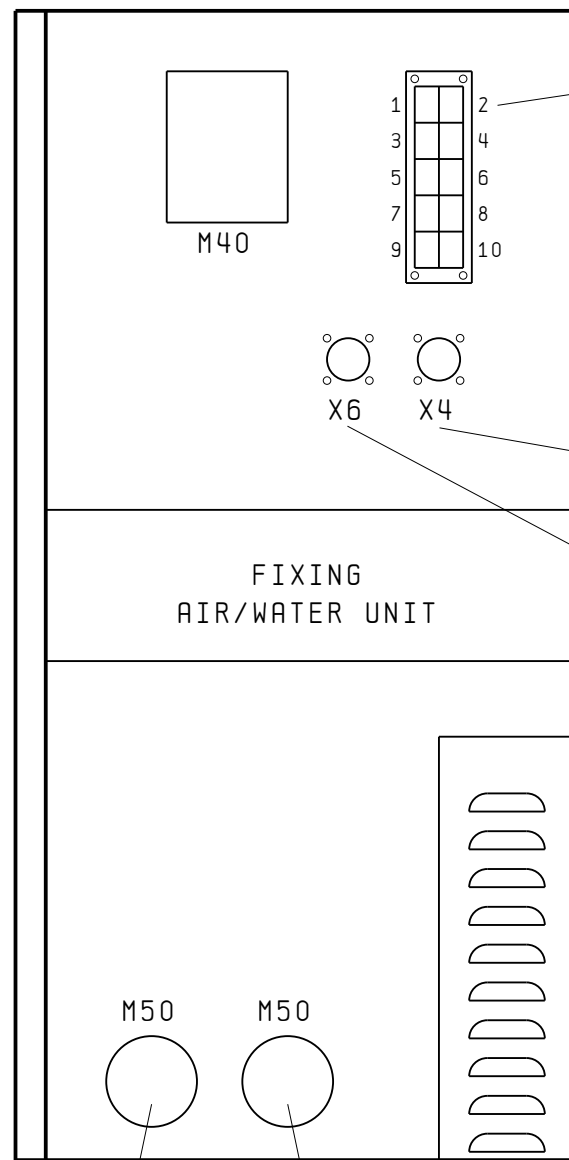
MAXWELL
1709-027 600x760x300

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	WELD CONTROL CABINET CONSTRUCTION DRAWING	= + --- SHEET 20	40 SHEET --> 41
LAST CHANGED	31.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.				
PLOT FRAME	FORD_D10	WELD_AUT								



MAXWELL
1709-027 600x760x300

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	WELD CONTROL CABINET CONSTRUCTION DRAWING	= + --- SHEET 40	41 SHEET --> 42
LAST CHANGED	18.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.				
PLOT FRAME	FORD_D10	WELD_AUT								

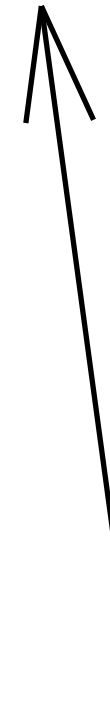


- 1 - GUN 1 WATER FLOW
- 2 - GUN 2 WATER FLOW (OPTION)
- 3 - PROPORTIONAL VALVE
- 4 - TIP DRESSER 1 (FIX/MOBIL)
- 5 - TIP DRESSER 1 (MOBIL ONLY)
- 6 - TIP DRESSER 2 (OPTION)
- 7 - 24VDC SUPPLY
- 8 - 24VDC SUPPLY
- 9 - ETHERNET
- 10 - INTERBUS

GUN 1
24VDC SUPPLY
AND INTERBUS

GUN 2
24VDC SUPPLY
AND INTERBUS
(OPTION)

TIP DRESSER 2 (OPTION)



IF TWO MOBIL TIP DRESSERS
ARE USED THERE ARE NOT
ENOUGH CABLE ENTRIES

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	WELD CONTROL CABINET CONSTRUCTION DRAWING	= + --- SHEET 41	42 SHEET --> 60
LAST CHANGED	18.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.				
PLOT FRAME	FORD_D10	WELD_AUT								

M31			
IBS IL DO 4			
SEGMENT	1.1.1 1.1	110.1	TIP DRESSER GUN 1 SWING BACKWARDS
1	1.2.1 2.1	110.2	TIP DRESSER GUN 1 SWING FORWARDS
	1.1.4 1.4	110.3	TIP DRESSER GUN 1 MOTOR ON AND SWARF EXHAUSTOR
	1.2.4 2.4	112.1	SPARE

M32			
IBS IL DO 4			
SEGMENT	1.1.1 1.1	111.1	TIP DRESSER GUN 2 SWING BACKWARDS
1	1.2.1 2.1	111.2	TIP DRESSER GUN 2 SWING FORWARDS
	1.1.4 1.4	111.3	TIP DRESSER GUN 2 MOTOR ON AND SWARF EXHAUSTOR
	1.2.4 2.4	112.2	SPARE

ONLY WITH 2nd
WELDING GUN OPTION

M51
IBS IL DI 16

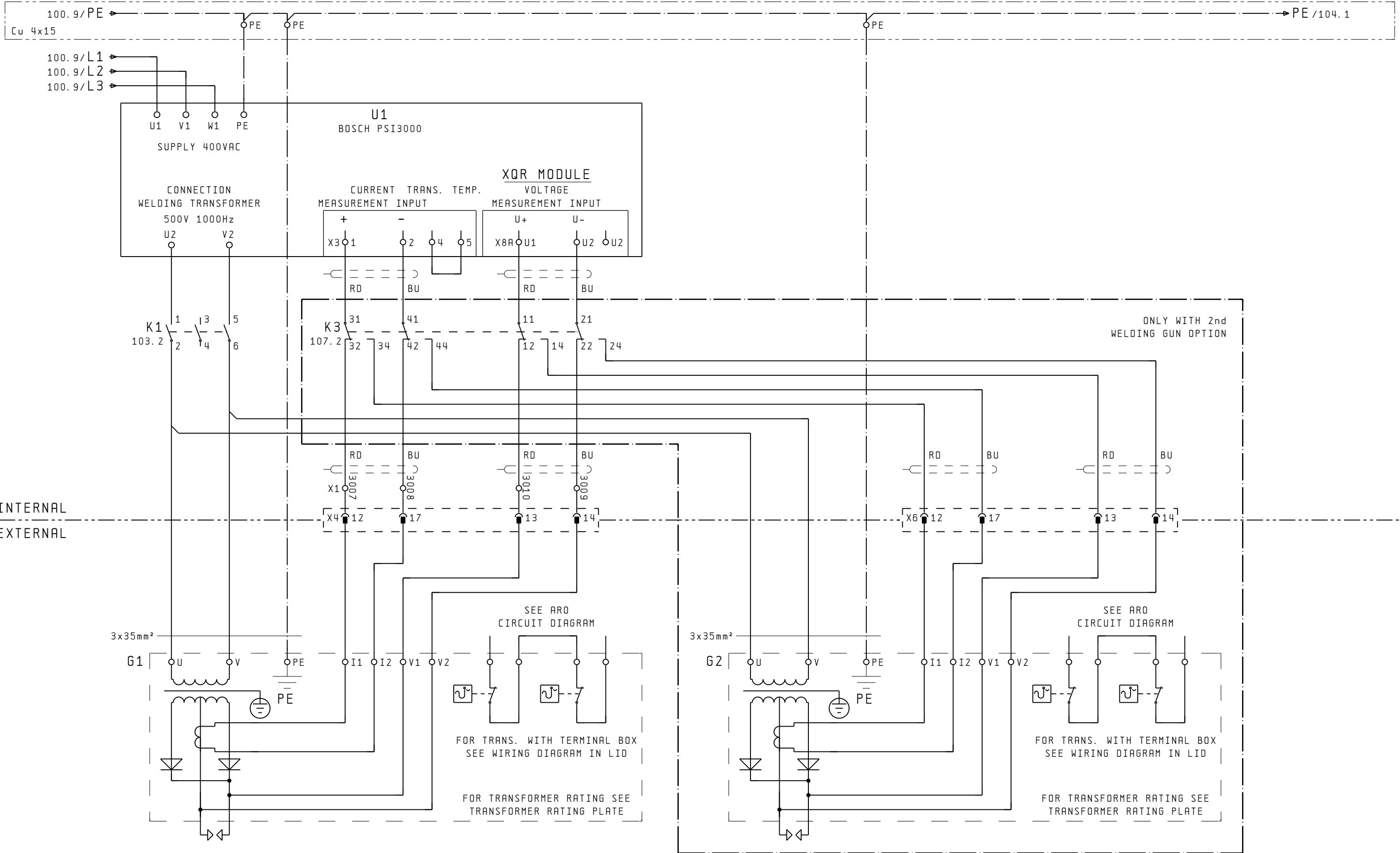
1	1.1.1 $\overset{1.1}{\circ}$	102.7	SUPPLY 24V6
	1.2.1 $\overset{2.1}{\circ}$	103.3	K1 WELDING CONTACTOR
	1.1.4 $\overset{1.4}{\circ}$	107.5	PRESSURE SWITCH
	1.2.4 $\overset{2.4}{\circ}$	112.4	SPARE
2	2.3.1 $\overset{1.1}{\circ}$	110.4	TIP DRESSER GUN 1 ROTATION SENSOR
	2.4.1 $\overset{2.1}{\circ}$	110.5	TIP DRESSER GUN 1 SWING BACK
	2.3.4 $\overset{1.4}{\circ}$	110.7	TIP DRESSER GUN 1 SWING FORWARD
	2.4.4 $\overset{2.4}{\circ}$	110.8	SPARE
3	3.5.1 $\overset{1.1}{\circ}$	109.1	GUN 1 WATER FLOW
	3.6.1 $\overset{2.1}{\circ}$	112.5	SPARE
	3.5.4 $\overset{1.4}{\circ}$	111.4	TIP DRESSER GUN 2 ROTATION SENSOR
	3.6.4 $\overset{2.4}{\circ}$	111.5	TIP DRESSER GUN 2 SWING BACK
4	4.7.1 $\overset{1.1}{\circ}$	111.7	TIP DRESSER GUN 2 SWING FORWARD
	4.8.1 $\overset{2.1}{\circ}$	111.8	SPARE
	4.7.4 $\overset{1.4}{\circ}$	109.6	GUN 2 WATER FLOW
	4.8.4 $\overset{2.4}{\circ}$	112.7	SPARE

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	M51 INLINE I/O OVERVIEW	= + <-- SHEET 60	61 SHEET --> 100
LAST CHANGED	27.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME								
PLOT FRAME	FORD_D10	WELD_AUT								



DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	SUPPLY 400VAC	= +	100
LAST CHANGED	19.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.		<-- SHEET	SHEET -->	
PLOT FRAME	FORD_D10	WELD_AUT						61	101	

XPE

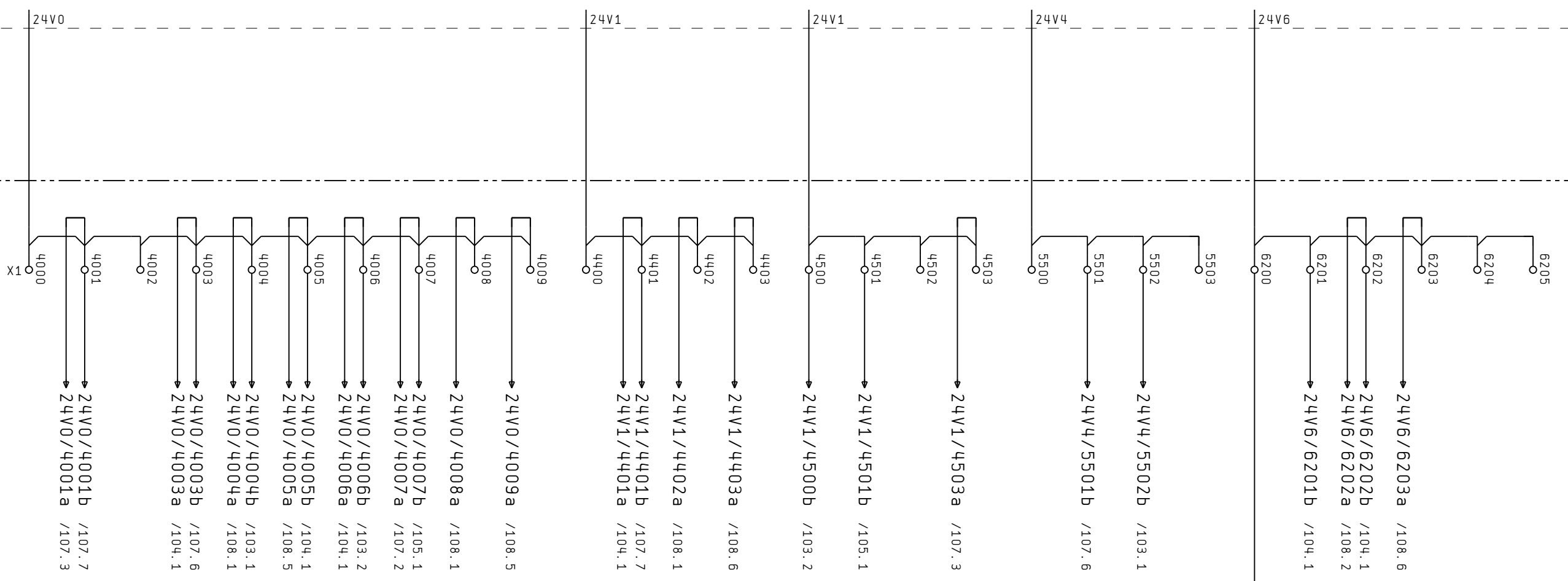


DESIGNED	24. 11. 2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	SUPPLY 400VAC AND WELDING TRANSFORMER	= + --- SHEET 100	101 SHEET --- 102
LAST CHANGED	19. 01. 2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31. 01. 2006	FILE NAME								
PLOT FRAME	FORD_D10	WELD_AUT								

A2

EXTERNAL

INTERNAL



SUPPLY 24V0

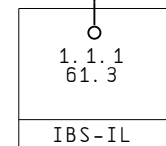
SUPPLY 24V1 INTERBUS

SUPPLY 24V1 HIGH POWER

SUPPLY 24V4 ISOLATED BY ACCESS GATES

SUPPLY 24V6 ISOLATED BY ACCESS GATES BUT ON DURING TEACH

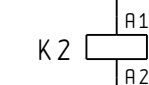
XM51.1 1.1



M51

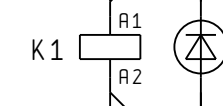
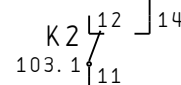
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LAST CHANGED	19.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.				
PLOT FRAME	FORD_D10	WELD_AUT								
									<--- SHEET	SHEET --->
									101	103

102.6
24V4/5502b

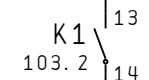


24V0/4004b
102.2

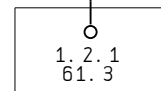
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24V1/4500b



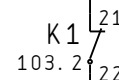
24V0/4006b
102.2



XM51.1 2.1



IBS-IL
M51



X1 3000



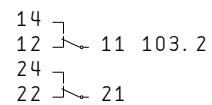
WELDING CONTACTOR CHECK

INTERNAL

EXTERNAL

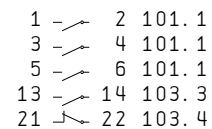
WELDING CONTACTOR SLAVE

RSB 2A080BDS



WELDING CONTACTOR

LC1-D80BD



K1 WELDING CONTACTOR

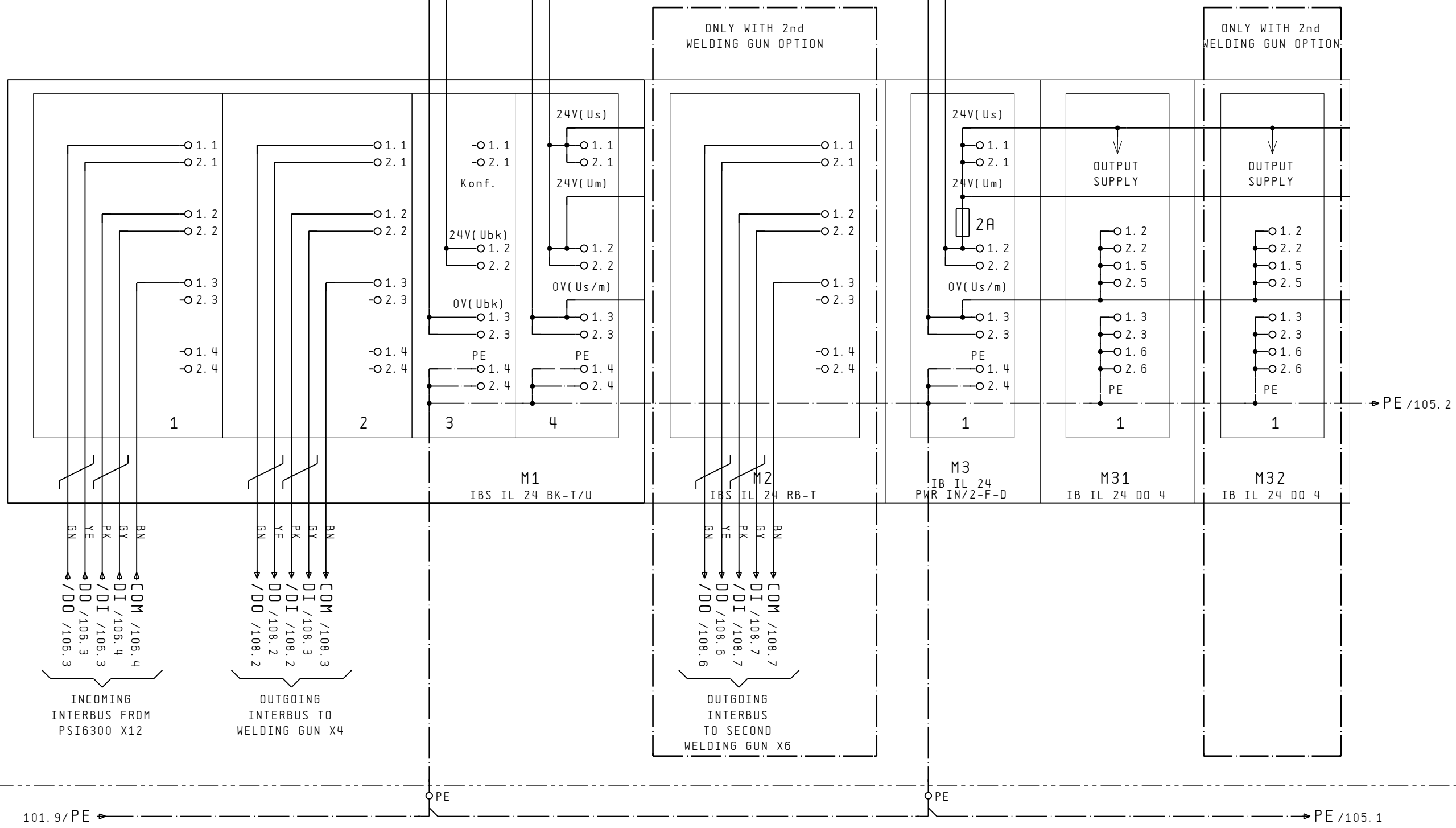
INTERFACE WITH LINE CONTROL

= +
<--- SHEET 102

103
SHEET ---> 104

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	INTERFACE WITH LINE CONTROL	= + <--- SHEET 102	103 SHEET ---> 104
LAST CHANGED	19.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.				
PLOT FRAME	FORD_D10	WELD_AUT								

102.8/ 24V6/6202b
 102.2/ 24V0/4006a
 102.7/ 24V6/6201b
 102.2/ 24V0/4005b
 102.4/ 24V1/4401a
 102.1/ 24V0/4003a



XPE

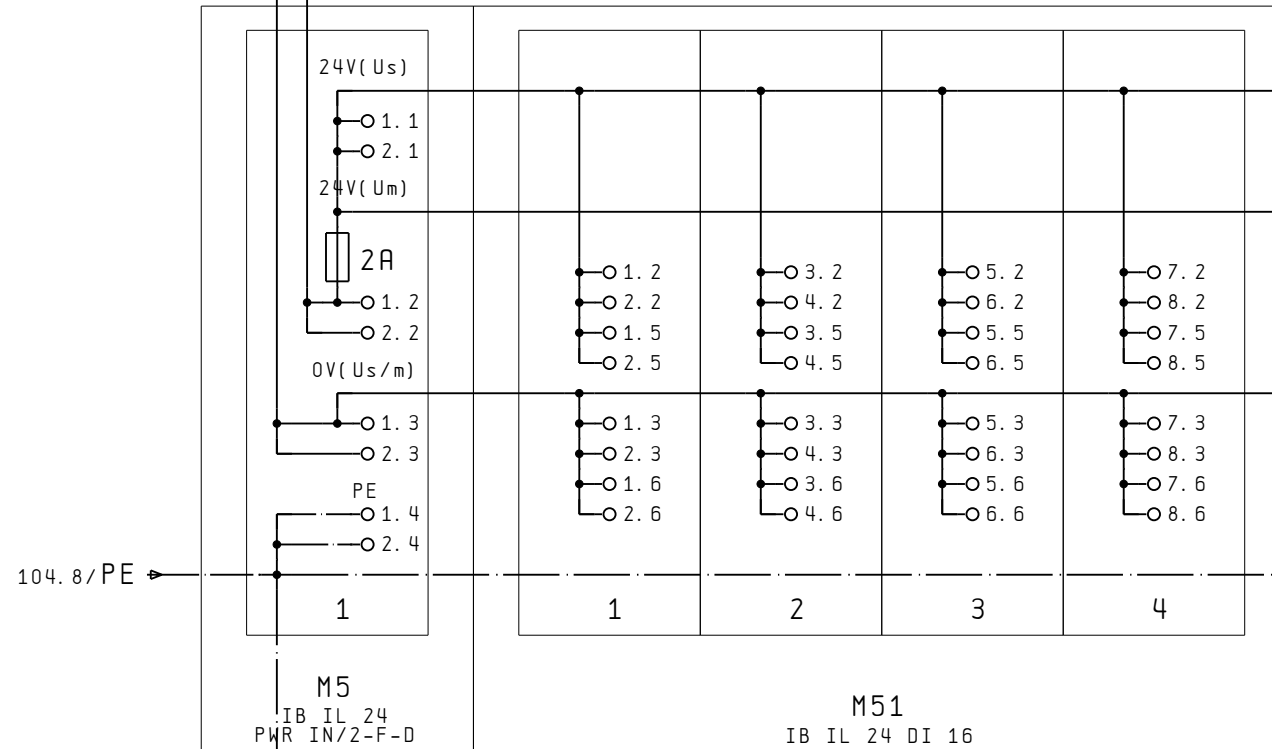
Cu 4x15

101.9/PE

PE /105.1

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	INLINE I/O SUPPLY	= +	104
LAST CHANGED	19.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.		<--- SHEET	SHEET --->	
PLOT FRAME	FORD_D10	WELD_AUT						103	105	

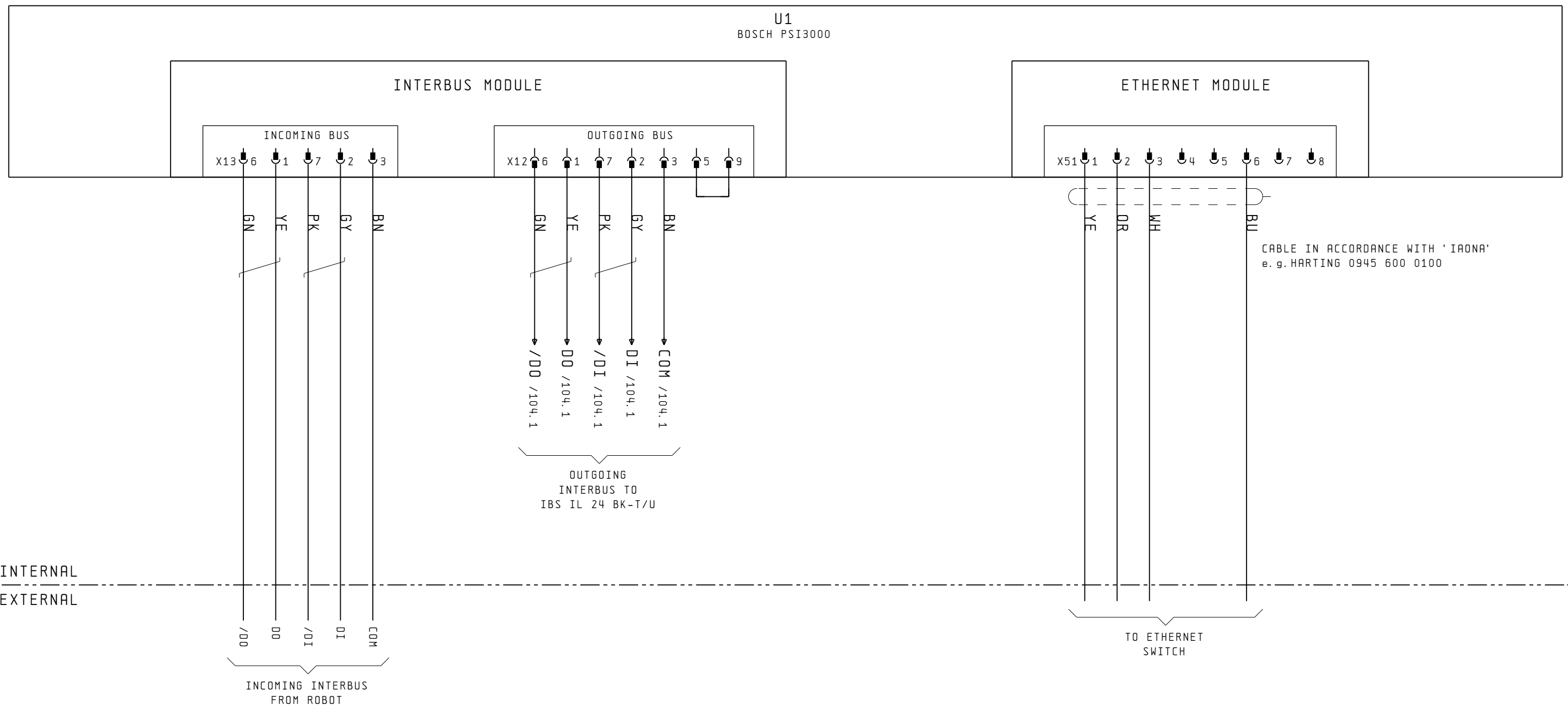
102.5/ 24V1/4501b
 102.3/ 24V0/4007b



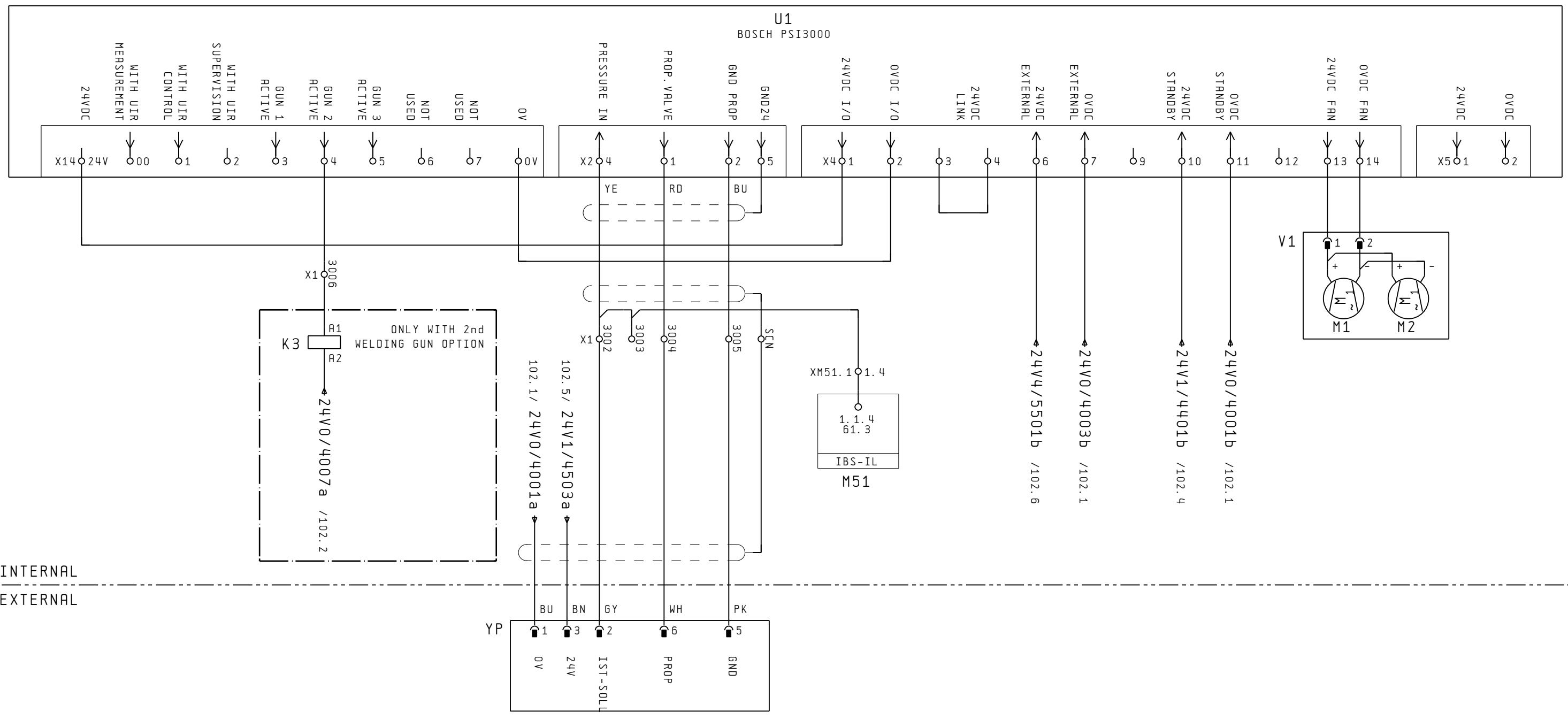
XPE



DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	= +	105
LAST CHANGED	19.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.			
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.			
PLOT FRAME	FORD_D10	WELD_AUT							
INLINE I/O SUPPLY									



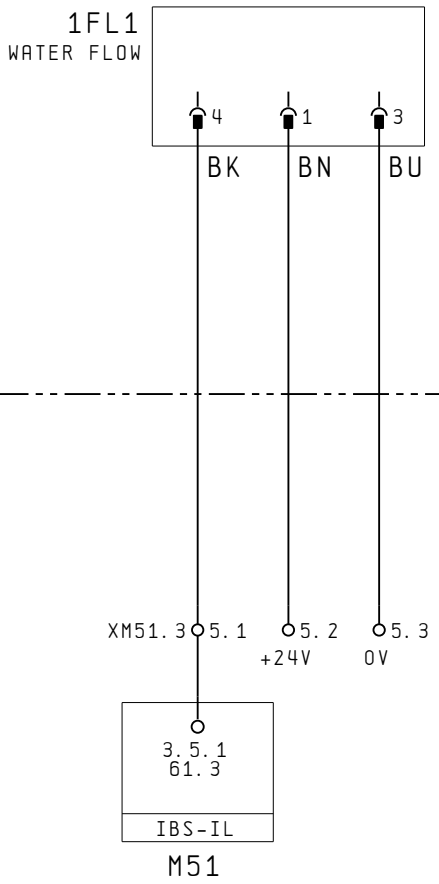
DESIGNED	24. 11. 2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester GL7 5UH	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	COMMUNICATION INTERBUS AND ETHERNET	= +	106
LAST CHANGED	19. 01. 2006	SMI		EQUIPMENT NR.					<-- SHEET	SHEET -->
PLOT DATE	31. 01. 2006	FILE NAME		MANUF. REF.	RFS (254 Issue 605a)	DRAWING NO.			105	107
PLOT FRAME	FORD_D10	WELD_AUT								



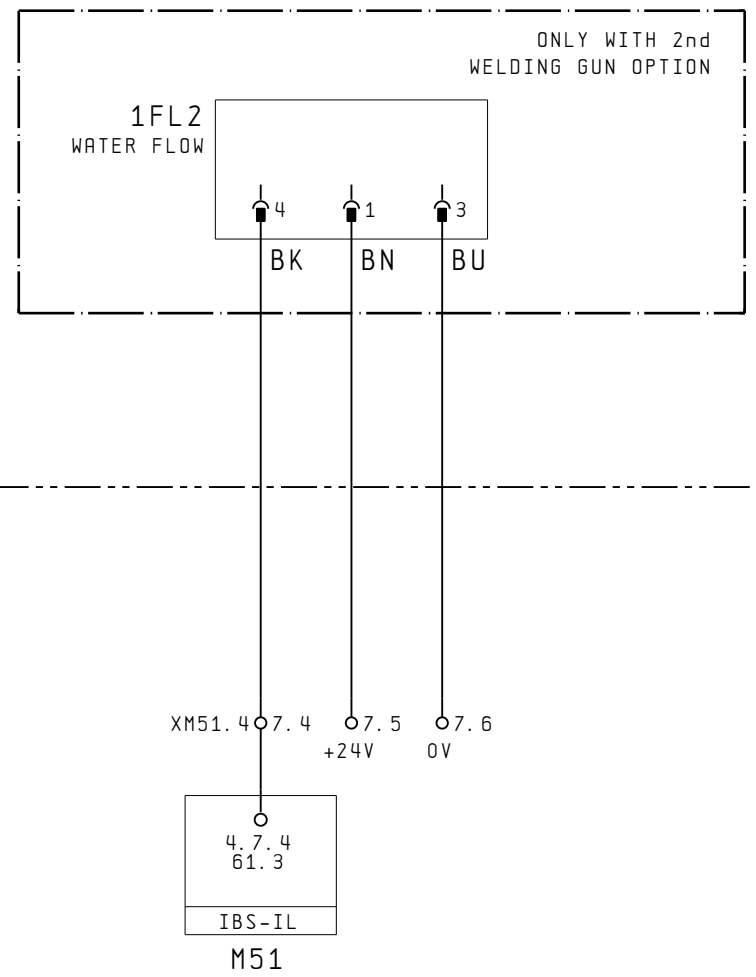
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- 14 101.3
 - 11 12 101.3
 - 24 101.4
 - 21 22 101.4
 - 34 101.2
 - 31 32 101.2
 - 44 101.3
 - 41 42 101.2

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	= + 107	
LAST CHANGED	31.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.			
PLOT DATE	31.01.2006	FILE NAME		WELD_AUT	DRAWING NO.				
PLOT FRAME	FORD_D10								
								--- SHEET --- 106	SHEET --- 108

EXTERNAL
INTERNAL



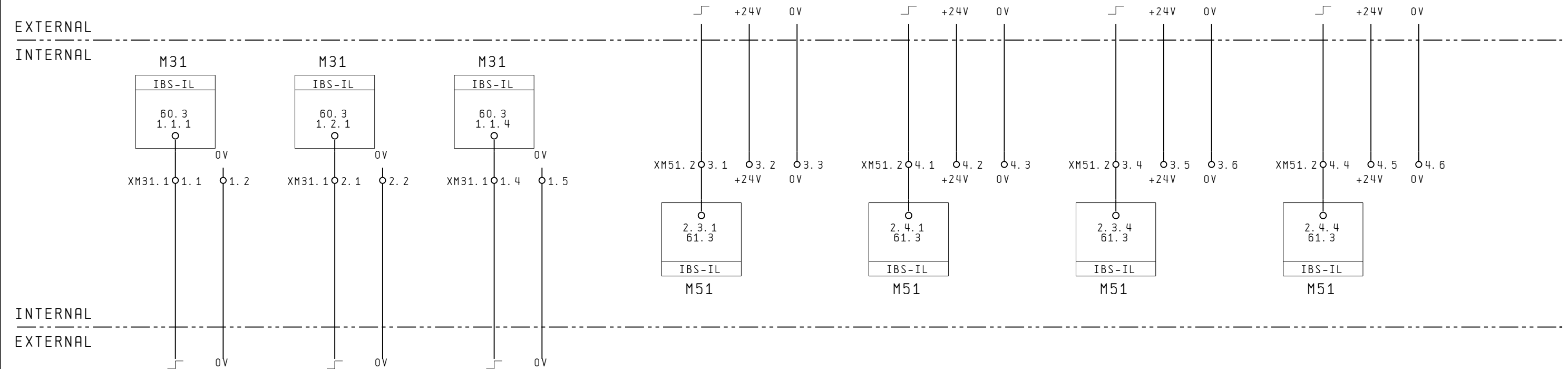
GUN 1
WATER
FLOW



GUN 2
WATER
FLOW

ONLY WITH 2nd
WELDING GUN OPTION

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	GUN 1 AND 2 WATER FLOW	= + --- SHEET 108	109 SHEET --> 110
LAST CHANGED	19.01.2006	SMI		GL7 5UH	EQUIPMENT NR.					
PLOT DATE	31.01.2006	FILE NAME		MANUF. REF.	RFS (254 Issue 605a)	DRAWING NO.				
PLOT FRAME	FORD_D10	WELD_AUT								



TIP DRESSER
GUN 1 SWING
BACKWARDS

TIP DRESSER
GUN 1 SWING
FORWARDS

TIP DRESSER
GUN 1
MOTOR ON
AND SWARF
EXHAUSTOR

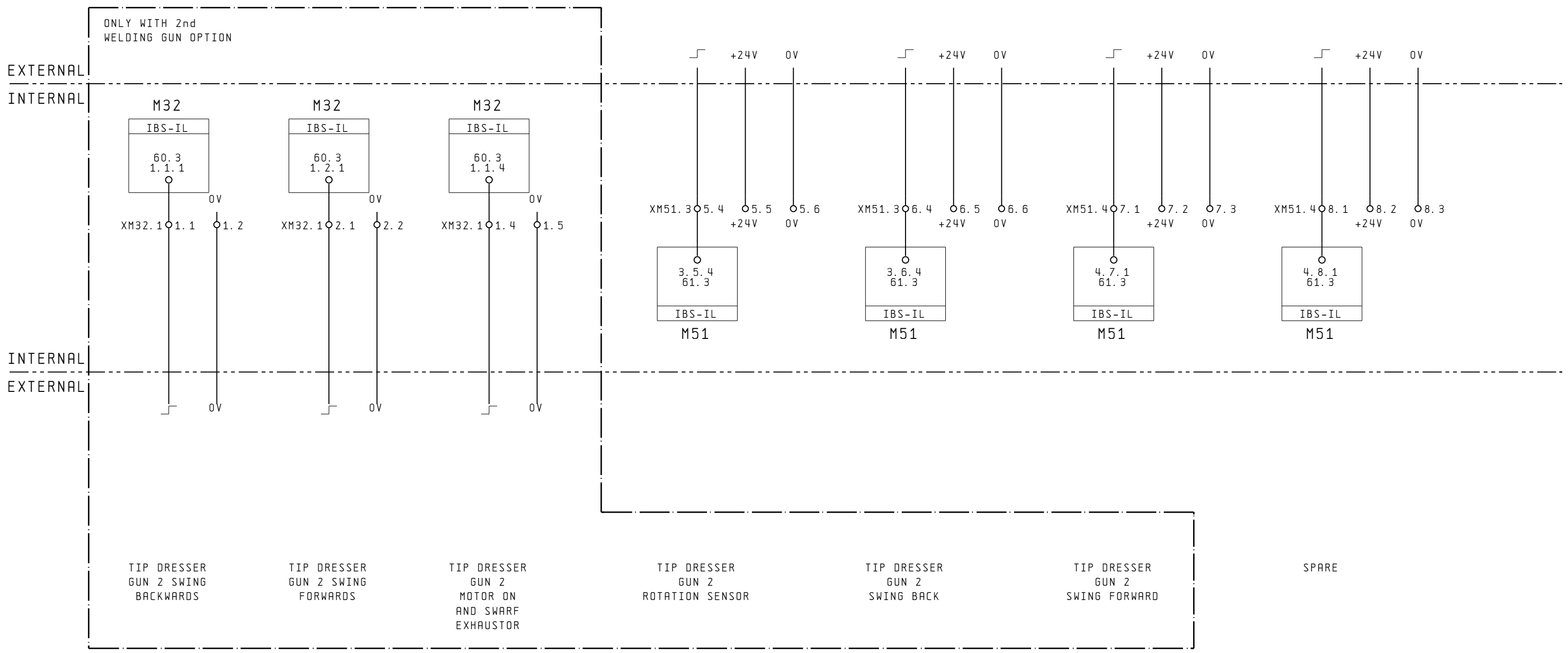
TIP DRESSER
GUN 1
ROTATION SENSOR

TIP DRESSER
GUN 1
SWING BACK

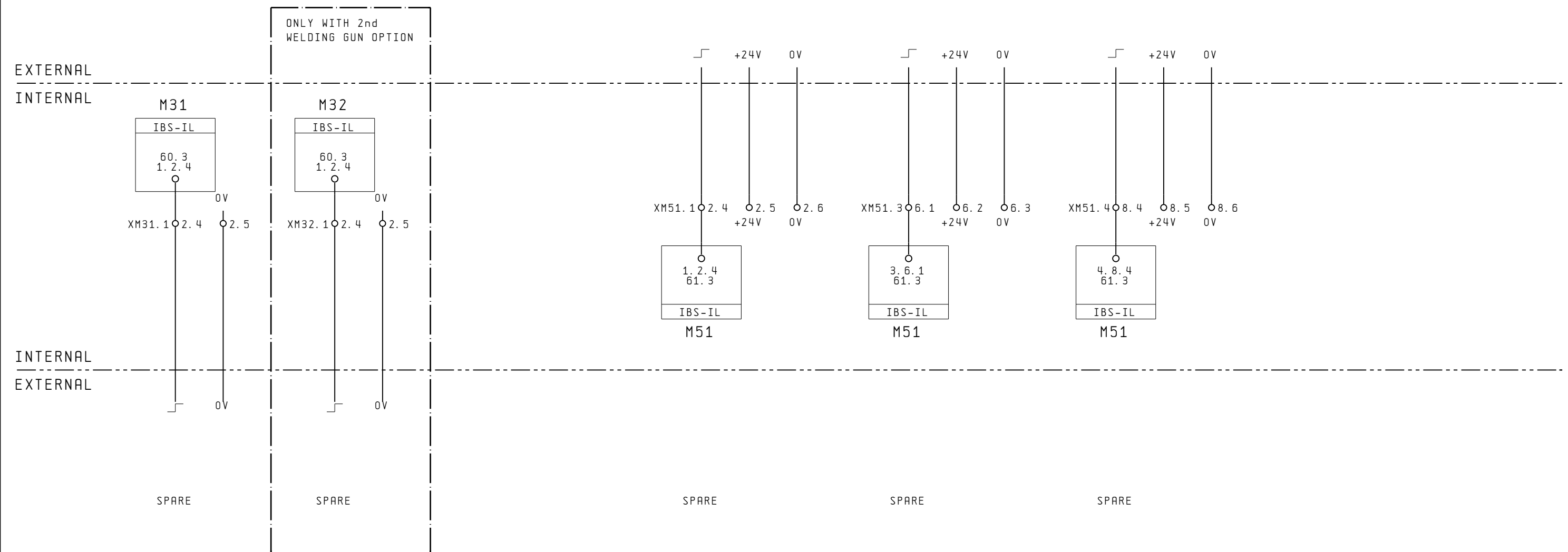
TIP DRESSER
GUN 1
SWING FORWARD

SPARE

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	GUN 1 TIP DRESSER	= +	110
LAST CHANGED	27.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME				DRAWING NO.		<--- SHEET	SHEET --->	
PLOT FRAME	FORD_D10	WELD_AUT						109	111	



DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	GUN 2 TIP DRESSER	= + --- SHEET 110	111 SHEET --> 112
LAST CHANGED	27.01.2006	SMI		MANUF. REF.	RFS (254 Issue 605a)	EQUIPMENT NR.				
PLOT DATE	31.01.2006	FILE NAME								
PLOT FRAME	FORD_D10	WELD_AUT								



DESIGNED	24. 11. 2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited Cirencester	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	SPARE	= +	112
LAST CHANGED	19. 01. 2006	SMI		GL7 5UH	EQUIPMENT NR.		<--- SHEET		SHEET --->	
PLOT DATE	31. 01. 2006	FILE NAME			DRAWING NO.		111	900		
PLOT FRAME	FORD_D10	WELD_AUT		MANUF. REF.	RFS (254 Issue 605a)					

TERMINAL STRIP DESIGNATION

X4

CABLE NUMBER	CABLE TYPE	TARGET DESTINATION	CONNECTION	TERMINAL NO.	BRIDGE	TARGET DESTINATION	CONNECTION	CABLE NUMBER	CABLE TYPE	PAGE / PATH
G1			24V0	1			4004			108.1
G1			24V0	2	X1	X1	4008			108.1
G1			24V6	3	X1	X1	6202			108.2
G1			24V1	4	X1	X1	4402			108.1
G1			PE	5		XPE	PE			108.2
G1			RES	6						108.3
G1			00	7		M1	2.1			108.2
G1			/00	8		M1	1.1			108.2
G1			01	9		M1	2.2			108.3
G1			/01	10		M1	1.2			108.2
G1			COM	11		M1	1.3			108.3
G1			I1	12		X1	3007			101.2
G1			V1	13		X1	3010			101.3
G1			V2	14		X1	3009			101.4
				15						108.3
				16						108.3
G1			I2	17		X1	3008			101.2
				HSG						108.4

DESIGNED	24. 11. 2004	SMI
LAST CHANGED	31. 01. 2006	
PLOT DATE	31. 01. 2006	FILE NAME
PLOT FRAME	FORD_D10	WELD_AUT

Ford Motor Company

MANUFACTURER	Bosch Rexroth Limited Cirencester GL7 5UH
MANUF. REF.	RFS (254 Issue 605a)

EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345
EQUIPMENT NR.	
DRAWING NO.	

**X4
CONNECTOR FOR GUN 1**

= +	901
<--- SHEET 900	SHEET ---> 902

TERMINAL STRIP DESIGNATION
X6

CABLE NUMBER	CABLE TYPE	TARGET DESTINATION	CONNECTION	TERMINAL NO.	BRIDGE	TARGET DESTINATION	CONNECTION	CABLE NUMBER	CABLE TYPE	PAGE/ PATH
G2			24V0	1		X1	4005			108.5
G2			24V0	2		X1	4009			108.5
G2			24V6	3		X1	6203			108.6
G2			24V1	4		X1	4403			108.6
G2			PE	5		XPE	PE			108.6
G2			RES	6						108.7
G2			00	7		M2	2.1			108.6
G2			/00	8		M2	1.1			108.6
G2			01	9		M2	2.2			108.7
G2			/01	10		M2	1.2			108.7
G2			COM	11		M2	1.3			108.7
G2			I1	12		K3	34			101.6
G2			V1	13		K3	14			101.7
G2			V2	14		K3	24			101.8
				15						108.7
				16						108.8
G2			I2	17		K3	44			101.6
				HSG						108.8

S T O C K L I S T

FORD_011 07.01.1998

COMPONENT DESIGNATION	PAGE/ PATH	AMOUNT	DESIGNATION	TYPE NUMBER	ORDER NUMBER	MANUFACTURER	ARTICLE NUMBER
xxxWx	40.37	1	MF AUTOMATIC WELDING CONTROL CABINET	BAUTO-001	BAUTO-001	SP LEICESTER	BAUTO-001
xxxWx	40.37	2	LOCK INSERT 7mm SQUARE	SZ 2460.000	SZ 2460.000	RITTAL	SZ2460.000
xxxWx	40.37	1	7mm SQUARE KEY	SZ2547.000	SZ2547.000	RITTAL	SZ2547.000
xxxWx	40.37	1	BOSCH LOGO			ARGOSAFE	BOSCH LOGO
xxxWx	40.37	1	PACE MAKE LABEL			ARGOSAFE	PACE MAKE LABEL
xxxWx	40.37	1	WARNING TRIANGLE			ARGOSAFE	WARNING TRIANGLE
xxxWx	40.37	1					M40 90DEG ADAPTER
xxxWx	40.37	1	M40 CABLE GLAND	BM-08 M40X1,5	BM-08 M40x1,5	BIMED KABLO	BM-08 M40X1,5
xxxWx	40.37	1	M50 CABLE GLAND	1900 M50G	1900 M50G	CEMBRE	1900 M50G
xxxWx	40.37	1	M50 CABLE GLAND	1900 M50G	1900 M50G	CEMBRE	1900 M50G
xxxWx	40.37	1	M50 BLANKING PLUG	1053 M50G	1053 M50G	CEMBRE	1053 M50G
xxxWx	40.37	2	M50 LOCKNUT	1143 M50G	1143 M50G	CEMBRE	1143 M50G
xxxWx	40.37	1					MULTIWAY CABLE ENTRY
XPE	100.1	1	4x15mm EARTH BAR	54910	54910	ERICO	54910
X4	101.0	1					CONTROL CONNECTOR
X6	101.0	1					CONTROL CONNECTOR
U1	101.1	1	MF WELDING INVERTER, AIR COOLED	PSI6300.373L1	PSI6300.373L1 UIR	BOSCH REXROTH UK	PSI6300.373L1 UIR
X1	101.2	40	TERMINAL	ST 2,5	30 31 21 2	PHOENIX CONTACT	3031212
X1	102.0	2	END BRACKET	CLIPFIX 35-5	30 22 27 6	PHOENIX CONTACT	3022276
X1	102.0	1	END COVER	D-ST 2,5	30 30 41 7	PHOENIX CONTACT	3030417
X1	102.0	5	SEPARATOR	ATP-ST 4	30 30 72 1	PHOENIX CONTACT	3030721
X1	102.0	1	CROSS-CONNECTION	FBS 2-5	30 30 16 1	PHOENIX CONTACT	3030161
X1	102.0	3	CROSS-CONNECTION	FBS 4-5	30 30 18 7	PHOENIX CONTACT	3030187
X1	102.0	2	CROSS-CONNECTION	FBS 10-5	30 30 21 3	PHOENIX CONTACT	3030213
K2	103.1	1	PLUG IN INTERFACE RELAY WITH BASE	RSB 2A080BDS	RSB 2A080BDS	SCHNEIDER ELECTRIC	RSB 2A080BDS
K1	103.2	1	CONTACTOR 80A 24VDC	LC1-D80BD	LC1-D80BD	SCHNEIDER ELECTRIC	LC1-D80BD
K1	103.2	1	DIODE 24-250V	LA4-DC3U	LA4-DC3U	SCHNEIDER ELECTRIC	LA4-DC3U
M1	104.1	1	INLINE BUS-TERMINAL WITH ACCESSORIES	IBS IL 24 BK-T/U PAC	28 61 58 0	PHOENIX CONTACT	2861580
M1	104.1	2	END BRACKET	E/UK	12 01 44 2	PHOENIX CONTACT	1201442
M2	104.4	1	INLINE REMOTE BRANCH TERM. WITH ACCESSORIES	IBS IL 24 RB-T-PAC	28 61 44 1	PHOENIX CONTACT	2861441
M3	104.6	1	INLINE POWER IN MODULE WITH ACCESSORIES	IB IL 24 PWR IN/2-F-D-PAC	28 62 15 2	PHOENIX CONTACT	2862152
M3	104.6	1	2A FUSE LINK	G20/2.00A/F	0430900000	WEIDMUELLER	0430900000
M31	104.7	1	INLINE OUTPUT MODULE D04 WITH ACCESSORIES	IB IL 24 D04-PAC	28 61 27 6	PHOENIX CONTACT	2861276
M32	104.7	1	INLINE OUTPUT MODULE D04 WITH ACCESSORIES	IB IL 24 D04-PAC	28 61 27 6	PHOENIX CONTACT	2861276
M5	105.3	1	INLINE POWER IN MODULE WITH ACCESSORIES	IB IL 24 PWR IN/2-F-D-PAC	28 62 15 2	PHOENIX CONTACT	2862152
M5	105.3	1	2A FUSE LINK	G20/2.00A/F	0430900000	WEIDMUELLER	0430900000
M51	105.3	1	INLINE INPUT MODULE DI16 WITH ACCESSORIES	IB IL 24 DI 16-PAC	28 61 25 0	PHOENIX CONTACT	2861250
K3	107.2	1	RELAY 4 POLE CHANGEVER, GOLD CONTACTS	55.34.9.024.5040	55.34.9.024.5040	FINDER	55.34.9.024.5040
K3	107.2	1	RELAY BASE WITH CLIP	94.84.3	94.84.3	FINDER	94.84.3
K3	107.2	1	DIODE	99.80.9.024.99	99.80.9.024.99	FINDER	99.80.9.024.99
YP	107.3	1	LUV-1/2-F-HY+SMC-FR-EPDN4-MP GUN1	3537400	3537400	PARKER HANNIFIN	3537400
YP	107.3	1	LUV-1/2-HY2+SMC-FR-EPDN4-MP-SU GUN2	3537800	3537800	PARKER HANNIFIN	3537800
YP	107.3	1	CONNECTION CABLE DIN43651 - 2m	5068625	5068625	PARKER HANNIFIN	5068625
YP	107.3	1	CONNECTOR	C164 639F 7S(20)	C164 639F 7S(20)	AMPHENOL TUCHEL	C164 639F 7S(20)
V1-M1	107.8	1	VENTILATOR 24VDC	AD0824HS-A70GL	AD0824HS-A70GL	ADDA	AD0824HS-A70GL
V1-M2	107.8	1	VENTILATOR 24VDC	AD0824HS-A70GL	AD0824HS-A70GL	ADDA	AD0824HS-A70GL
1FL1	109.1	1	M12 CONNECTOR CABLE	KUG4 M12	466020	LUETZE	466020
1FL2	109.5	1	M12 CONNECTOR CABLE	KUG4 M12	466020	LUETZE	466020

DESIGNED	24.11.2004	SMI	Ford Motor Company	MANUFACTURER	Bosch Rexroth Limited	EQUIPMENT DESIGNATION	MF WELD CONTROL CABINET AUTOMATIC - CD345	STOCKLIST	= +	990
LAST CHANGED	31.01.2006	SMI		Cirencester	EQUIPMENT NR.					
PLOT DATE	31.01.2006	FILE NAME		GL7 5UH	DRAWING NO.					
PLOT FRAME	FORD_D10	WELD_AUT		MANUF. REF.	RFS (254 Issue 605a)					
									<-- SHEET	SHEET -->
									902	