Rademaker

Specialists in food processing equipment

RADEMAKER BV
Food processing equipment
Plantijnweg 23, P.O. Box 416
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Tel. + 31 (0) 345 543543
Fax. + 31 (0) 345 543590

Customer	:	Food Systems Design
Project name	:	Sheeting System
Project number	:	7193 / 719395
Drawingnumber	:	0010000.21844 D

Power supply	:	3*480V+Pe-60Hz	Minimum air pressure	:	6 Bar
Max.fuse / Inom	:	60A / 58A	Average air consumption	:	26 n/l
Control voltage	:	24Vdc	Max.Air consumption	:	135 n/l
Date of building	:	2008			
Manufacturer	:	Rademaker standaard USA			
Environment	:	D4W			
Regulations	:	UL			

Manufacture date	:	24.Jan.2008	Number of pages	:	82
Project manager	:	WBA			
Last change	:	24.Jun.2009			
Last alteration made by	:	WBA			

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Customer	Food Systems Design	= GEN	Proj. nr.	7193	Sub.proj.nr.	719395	Page 1
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Subject : Title page			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	HWA	Date change	16.Okt.2006	

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Project number	:	7193 / 719395
Drawingnumber	:	0010000.21844 D

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Project manager	:	WBA			
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Revision information

Nr.	Date	Engineer	Modification	Initials	Page
A			Orginal		
B	25-03-2008	WBA	Modifications		
C	11-11-2008	WBA	Modifications after start up		
D	23-06-2009	WBA	Modifications made by Customer / Rademaker USA		

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Subject : Revision information			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	23.Jun.2009	

General information

Terminalstrip definition

Coding : aXbc.d

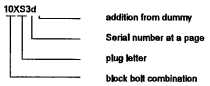
a - potential
X - Terminalstrip indication
b - optional, for junction box
c - place
d - serial number

Main current 0	Normal main current	
Main current 1 until 4	Normal main current	spare
Main current 5	Frequency converters	
Main current 6	Frequency converters	spare
Main current 7	DC-motors	
Main current 8-9	DC-motors	spare
Control circuit 10	Control circuit	240/230Vac
Control circuit 11	Control circuit	110/120Vac
Control circuit 12	Control circuit	48Vac
Control circuit 13	Control circuit	24Vac spare
Control circuit 14 until 17	Control circuit	24Vac
Control circuit 18	Control circuit	24Vdc
Control circuit 19	Control circuit	< 15Vdc
Control circuit 20 until 24	Control circuit	dc spare
Control circuit 25	Control circuit	interface

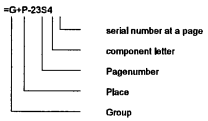
b - type
J = Junctionbox
None = main switchboard
Serial number
1 until .....

c - place
d - serial number

Plug coding



Component coding



Colour coding wiring

Main current	Europe	USA
ac / dc	black	black
neutral	light blue	white
earth	green/yellow	green/yellow
Control circuit	1mm²	16AWG
AC-Hot	red	red
AC-Neutal	red	white
		18AWG
24Vdc+	Darkblue	Blue
24Vdc-	Blue/White	White with blue stripe
Speed control voltage		
0-10 Vdc	1 x 0,75 mm² LIYCY	1 x 0,75 mm² LIYCY
0-10 Vdc < 10cm	white	white
Interface control circuit with external		
-	orange	orange

Code for designation of colours

Black	BK
Brown	BN
Red	RD
Orange	OG
Yellow	YE
Green	GN
Blue	BU
Violet (purple)	VT
Grey	GY
White	WH
Pink	PK
Turquoise	TQ
Shield	SH
Green / yellow	GNYE

Symbol for earth-connection of cable-shields

Symbol for earth-connection strip in switchboard

Symbol for earth connection of components in switchboard

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Customer	Food Systems Design	=	GEN	Proj. nr.	7193	Sub.proj.nr.	719395
Project name	Sheeting System	+	GEN	Drawing number	0010000.21844	Rev.	D
Subject : Info1				Drawn by	WBA	Date	24.Jan.2008
				Change	HWA	Date change	08.Feb.2007

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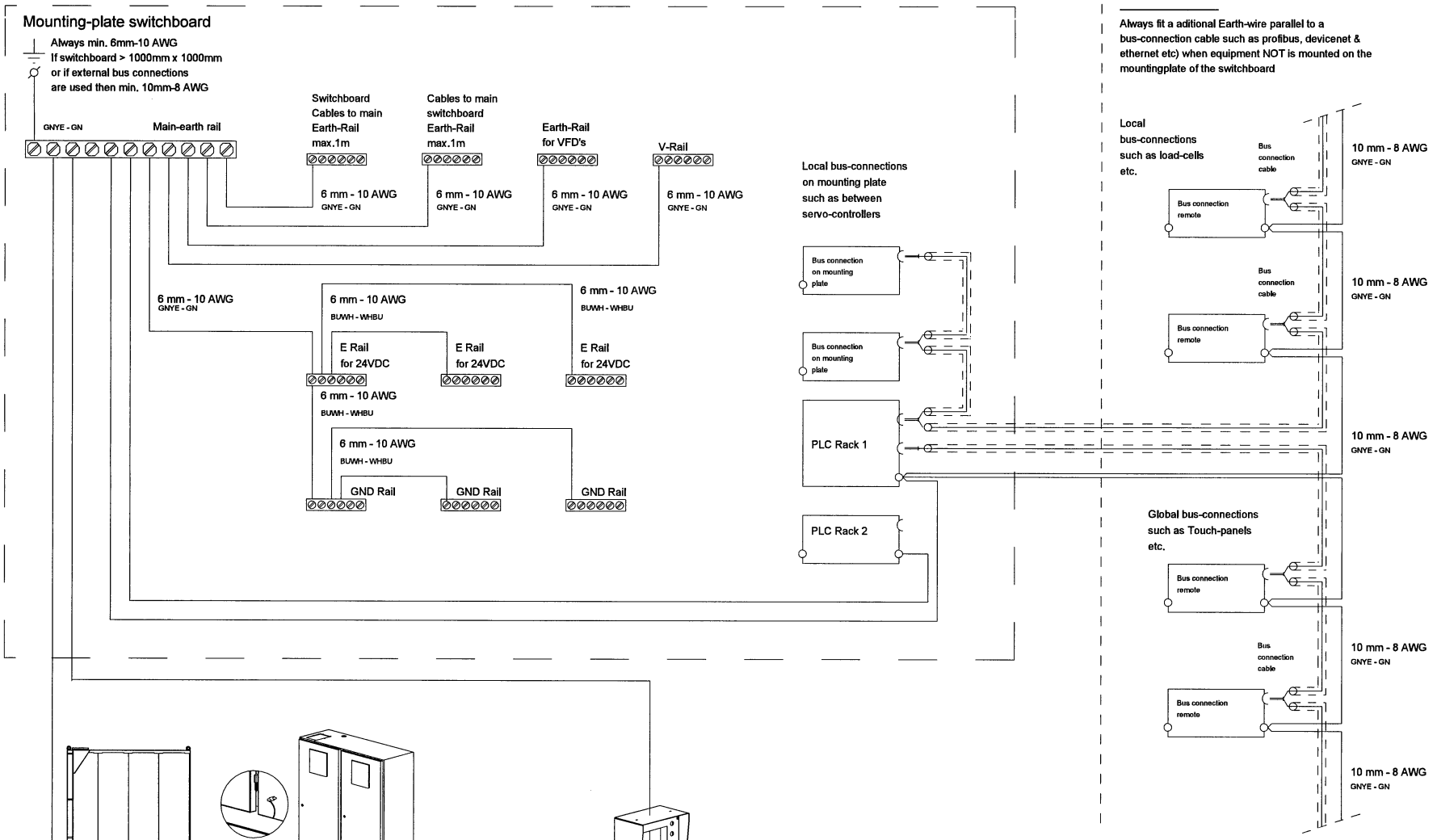
Accoord



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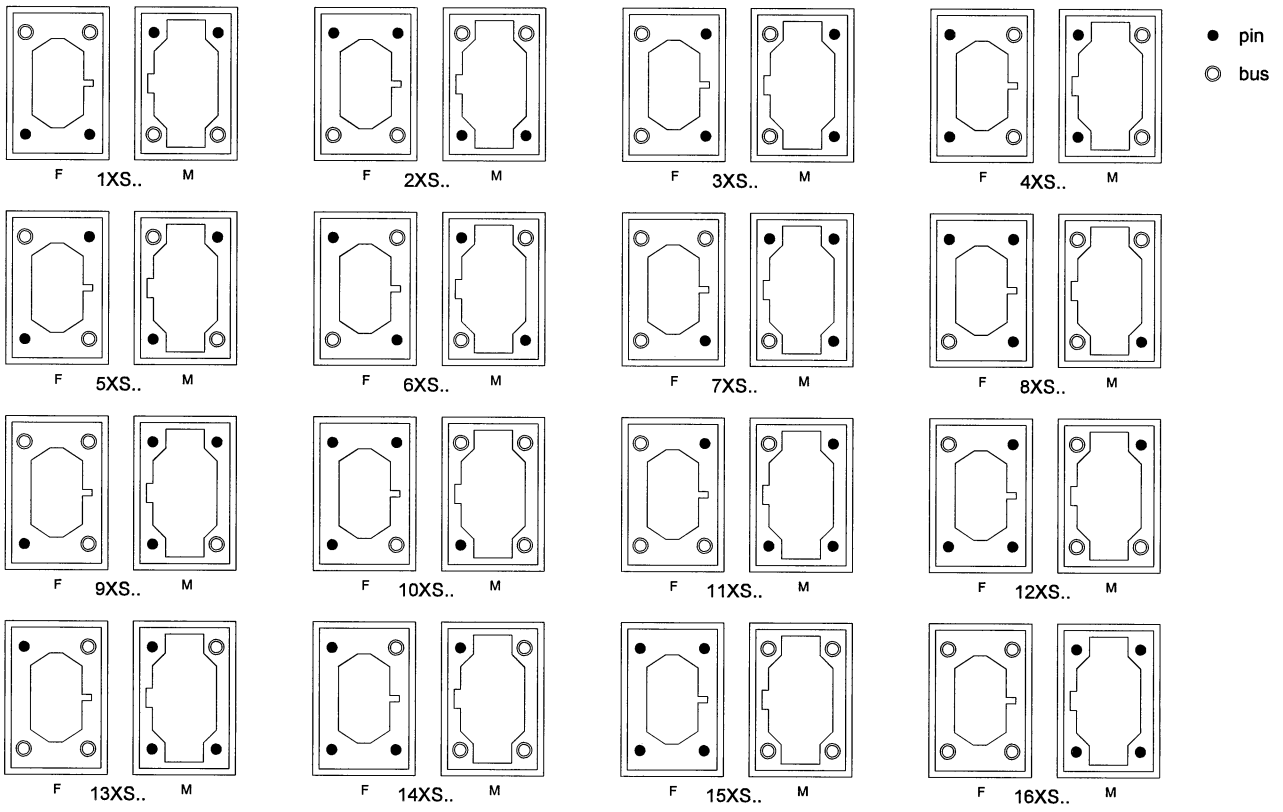
Subject : Info2			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	HWA	Date change	16.Okt.2006	

Plug coding



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Subject : Info3			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	HWA	Date change	16.Okt.2006	

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3.2 4A

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Customer	Food Systems Design	=	GEN	Proj. nr.	7193	Sub.proj.nr.	719395
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Subject : Contents				Drawn by	WBA	Date	24.Jan.2008
				Change	WBA	Date change	24.Jun.2009

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Group	Place	Page	Subject Page	Extra Field page	Date change	Engineer	X
G	E	1007	1XJ4 Freq.controlled RVS 150x150 S1 Dough return conveyor		24.Jun.2009	WBA	
G	E	1008	18X0 24Vdc - Terminal strip in Main switchboard		24.Jun.2009	WBA	
G	E	1008.1	18X0 24Vdc - Terminal strip in Main switchboard		24.Jun.2009	WBA	
G	E	1008.2	18X0 24Vdc - Terminal strip in Main switchboard		24.Jun.2009	WBA	
G	E	1008.3	18X0 24Vdc - Terminal strip in Main switchboard		24.Jun.2009	WBA	
G	E	1009	18XJ1 24Vdc CA-230 S1 Extruder 1		24.Jun.2009	WBA	
G	E	1010	18XJ2 24Vdc CA-230 S1 Gauging station		24.Jun.2009	WBA	
G	E	1011	18XJ3 24Vdc CA-105 S1 Rotary cutter		24.Jun.2009	WBA	
G	E	1012	18XJ4 24Vdc RVS 150x150 S1 Dough return conveyor		24.Jun.2009	WBA	
G	E	1013	18XJ5 24Vdc CA-150 S1 Decoration roller 1		24.Jun.2009	WBA	
G	E	1014	18XJ6 24Vdc CA-230 S1 Transfer belt 1		24.Jun.2009	WBA	
G	E	1015	19X0 24Vdc clean - Terminal strip in Main switchboard		24.Jun.2009	WBA	
G	E	1015.1	19X0 24Vdc clean - Terminal strip in Main switchboard		24.Jun.2009	WBA	
G	E	1016	19XJ1 24Vdc clean CA-230 S1 Extruder 1		24.Jun.2009	WBA	
G	E	1017	19XJ2 24Vdc clean CA-230 S1 Gauging station		24.Jun.2009	WBA	
G	E	1018	25X0 Terminal strip for connections with external line		24.Jun.2009	WBA	
G	E	1019	Cable view		24.Jun.2009	WBA	
G	E	1019.1	Cable view		24.Jun.2009	WBA	
G	E	1019.2	Cable view		24.Jun.2009	WBA	
G	E	1019.3	Cable view		24.Jun.2009	WBA	
G	A1	1	Title page		05.Mrt.2008	WBA	
G	A1	2	Pneumatics Main Line		11.Nov.2008	WBA	

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Customer	:	Food Systems Design
Project name	:	Sheeting System
Project number	:	7193 / 719395
Drawingnumber	:	0010000.21844 D

Group (=)	:	G	Group
Place (+)	:	E	Electric

Original project number	:
Original drawingnumber	:

=GEN+GEN/4B

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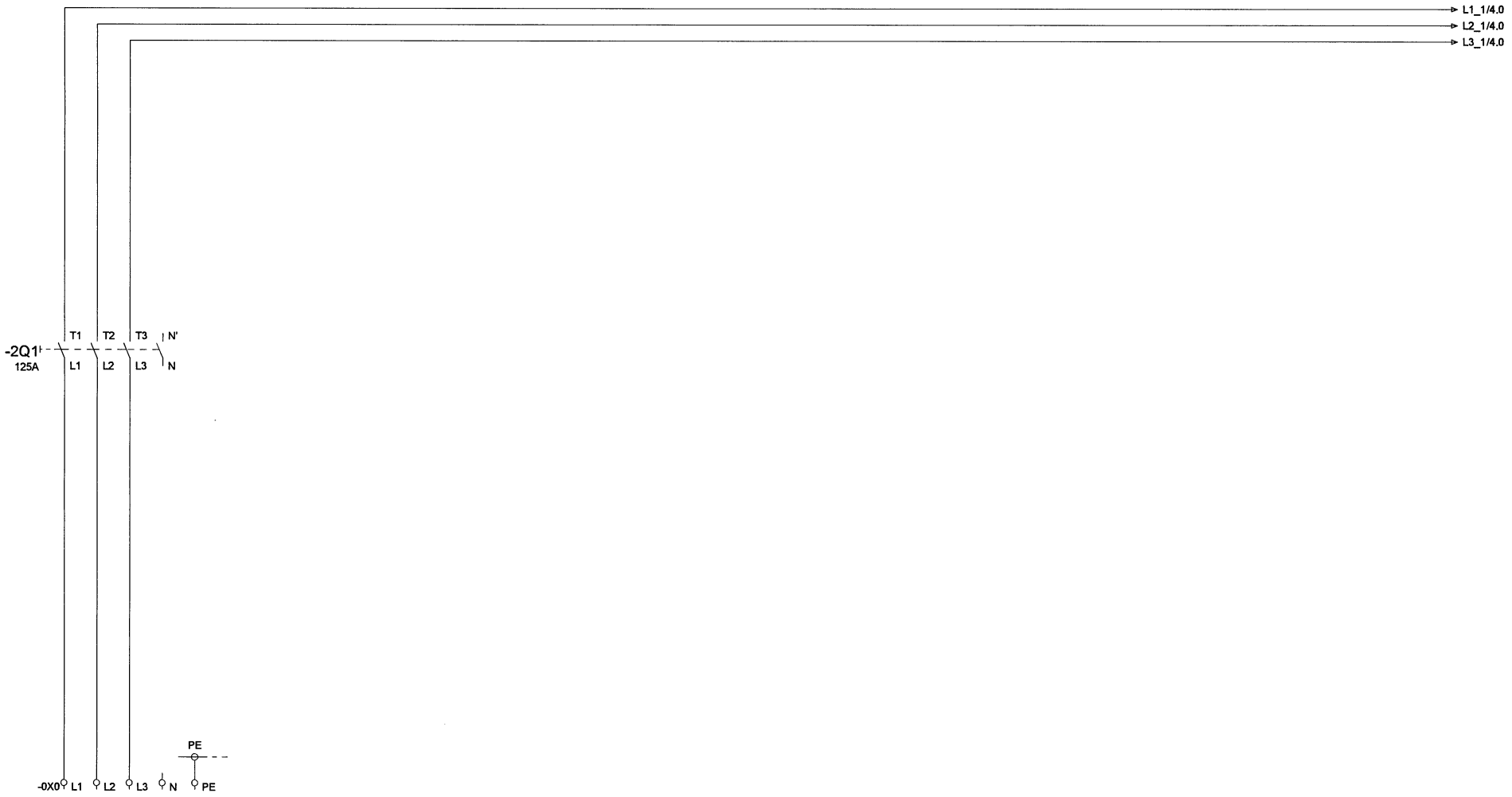
Subject : Title page			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	HWA	Date change	15.Nov.2005	



Power supply
3x480 + Pe - 60Hz

1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
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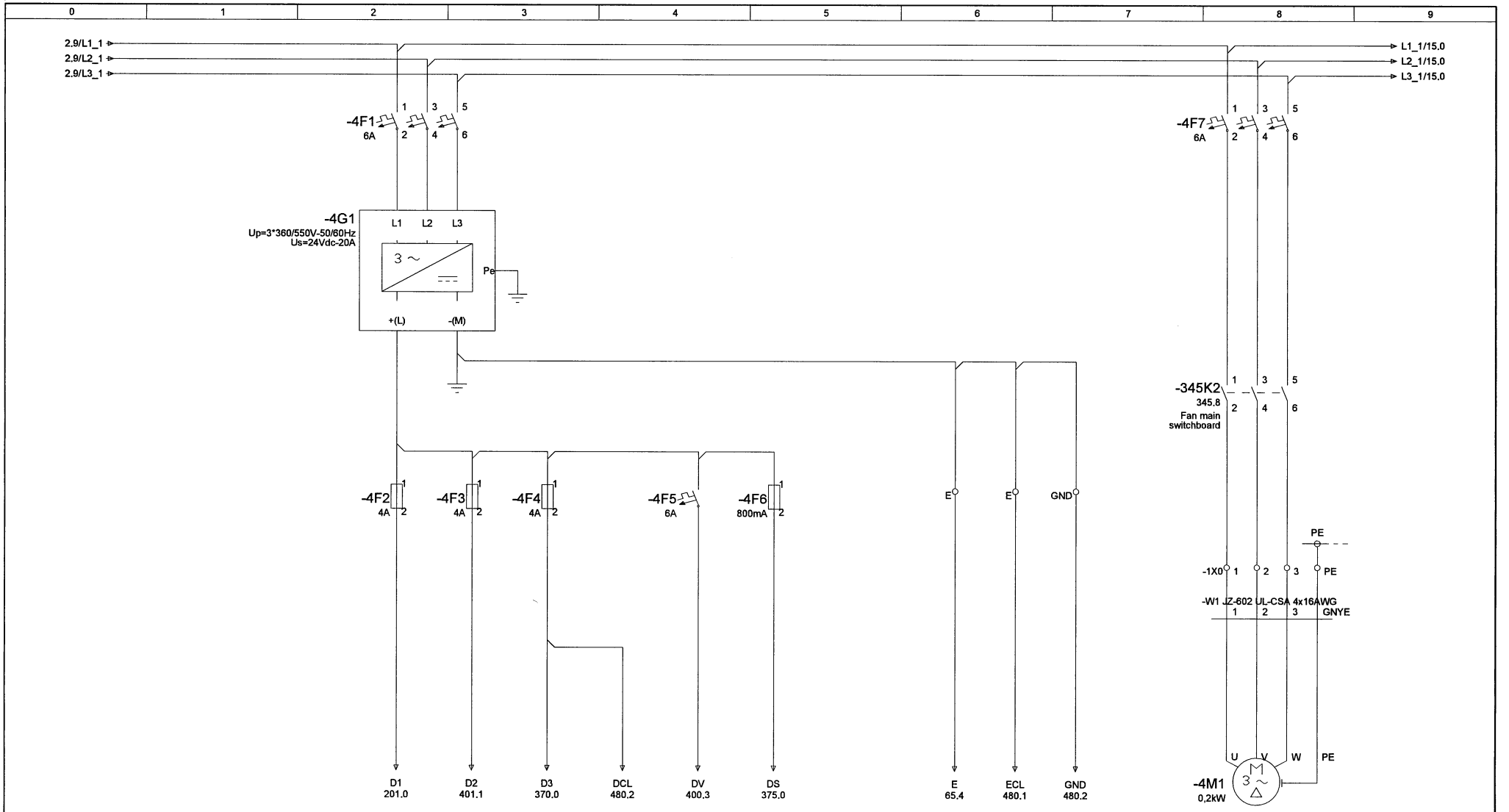
Subject : Power supply			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



Property of: Rademaker — Specialists in food processing equipment	RADEMAKER BV Food processing equipment Plantijnweg 23, P.O. Box 416 4100 AK Culemborg Tel. + 31(0)345 543543 Fax. + 31(0)345 543590	Customer: Food Systems Design	= G	Proj. nr.: 7193	Sub.proj.nr.: 719395	Page: 4
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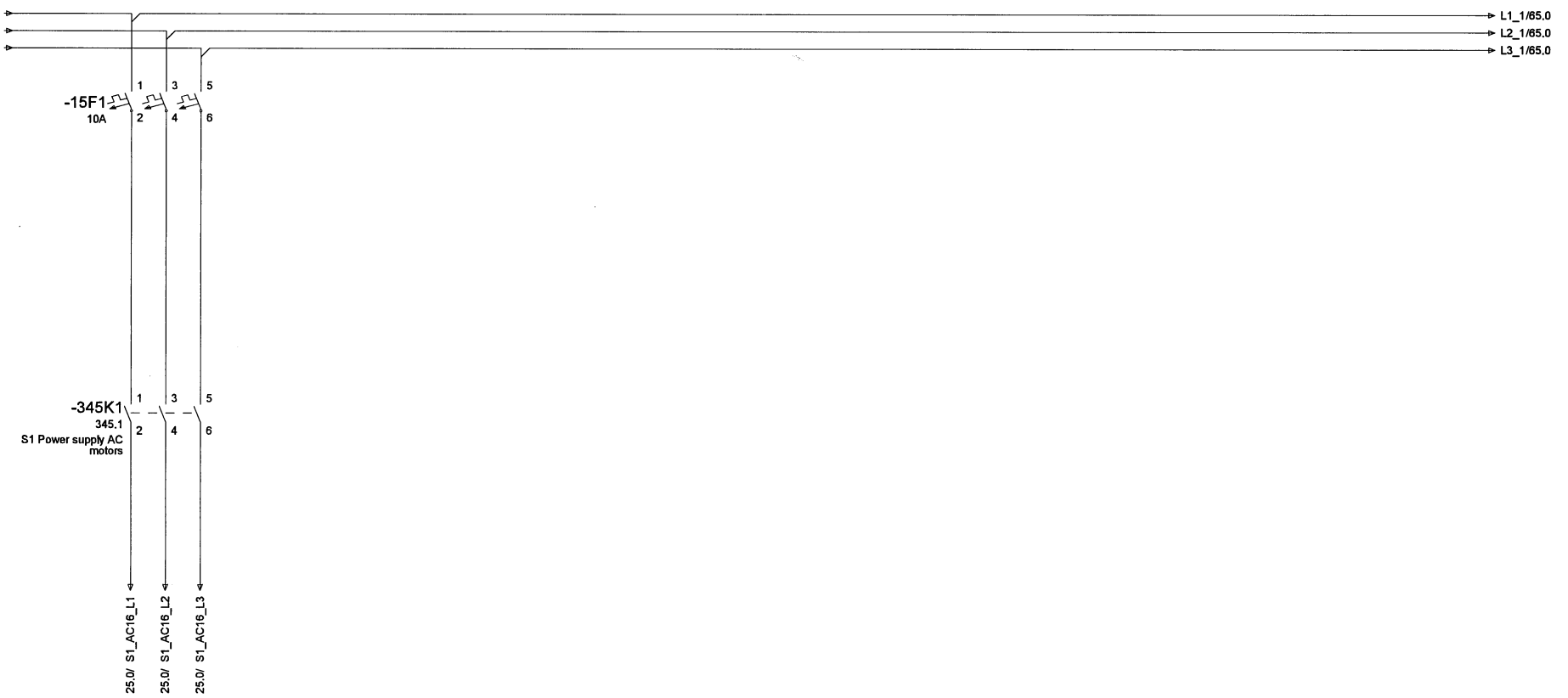
		Subject: Power supply control circuit		Drawn by: WBA	Date: 24.Jan.2008	Accoord
				Change: WBA	Date change: 11.Nov.2008	



S1 Power supply AC motors

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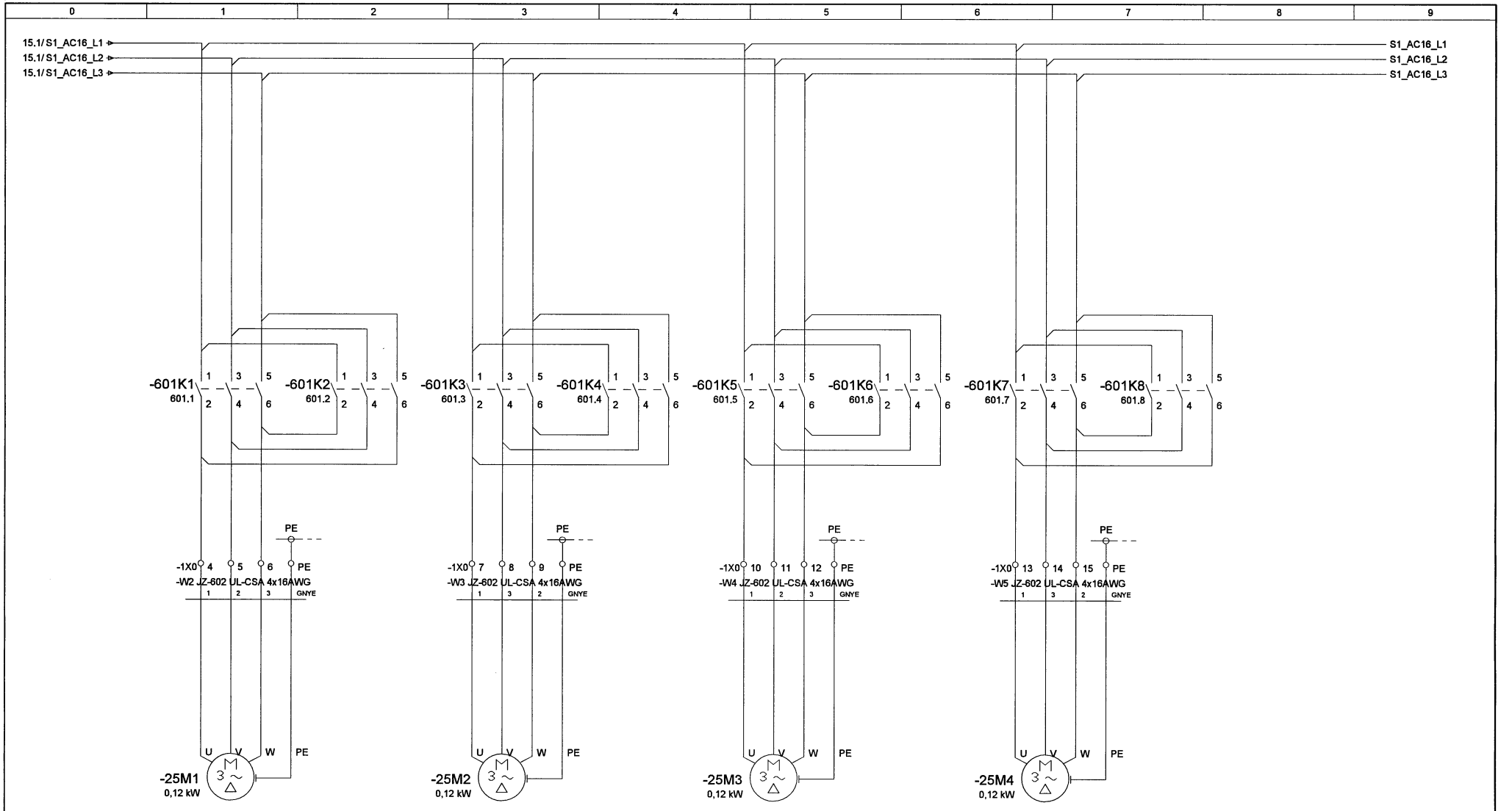
Subject : Power supply - units			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Extruder 1 Gap adjustment Sheeting rollers

S1 Extruder 1 Gap adjustment Supply rollers

S1 Gauging station 1 Gap adjustment left

S1 Gauging station 1 Gap adjustment right

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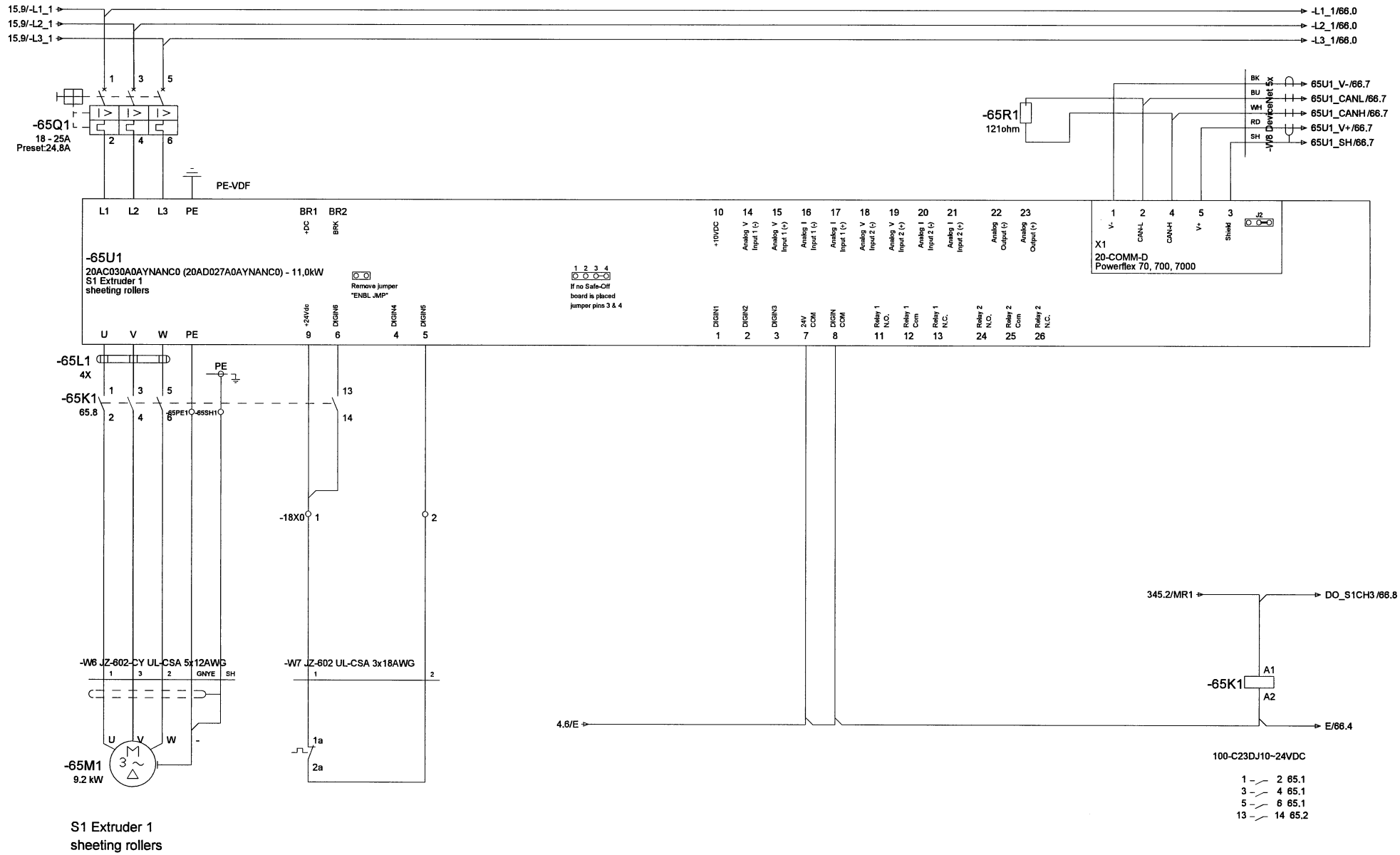
Subject : S1 Main current - AC-motors			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



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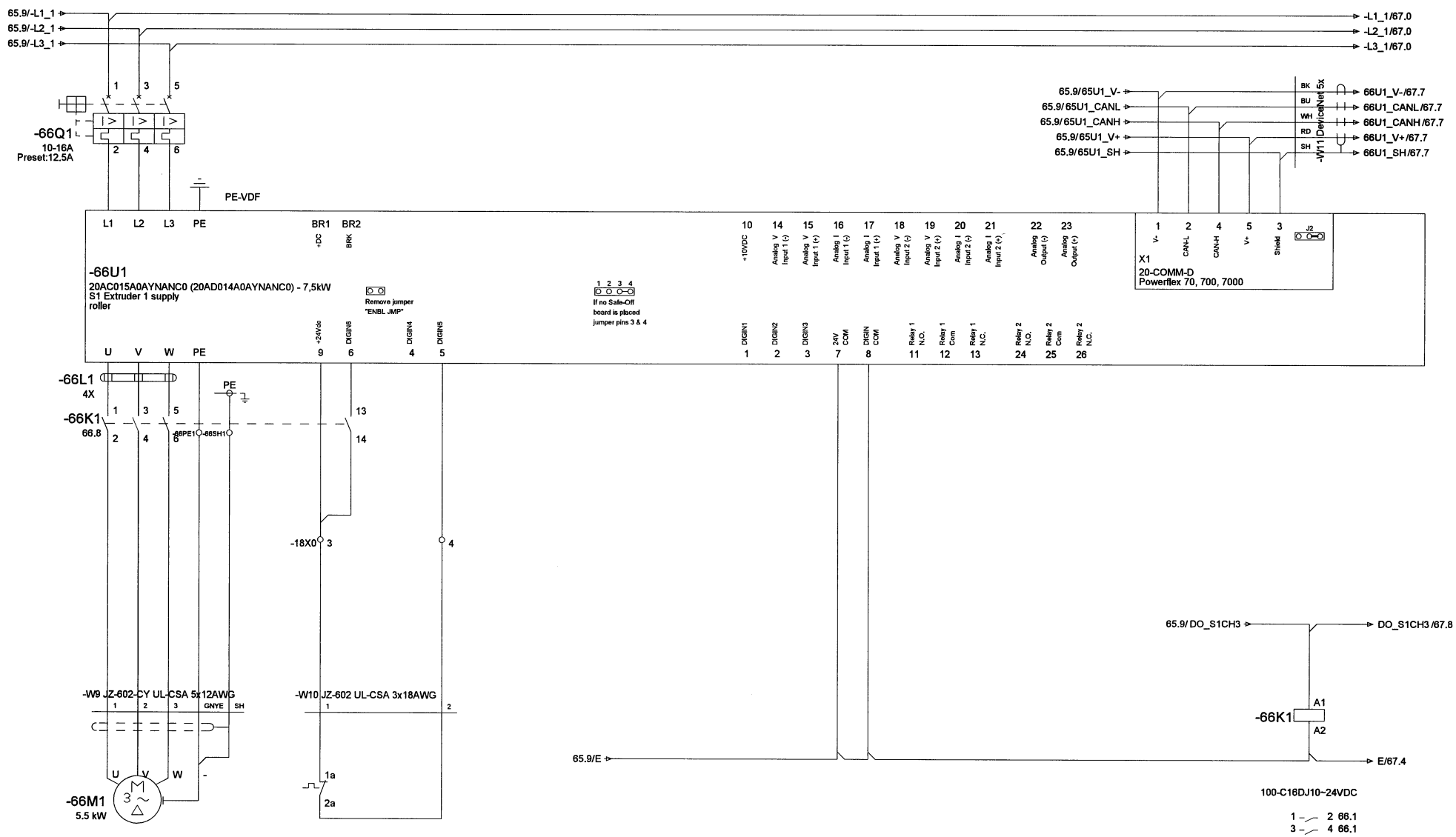
Subject: S1 Extruder 1 sheeting rollers			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Extruder 1 supply roller

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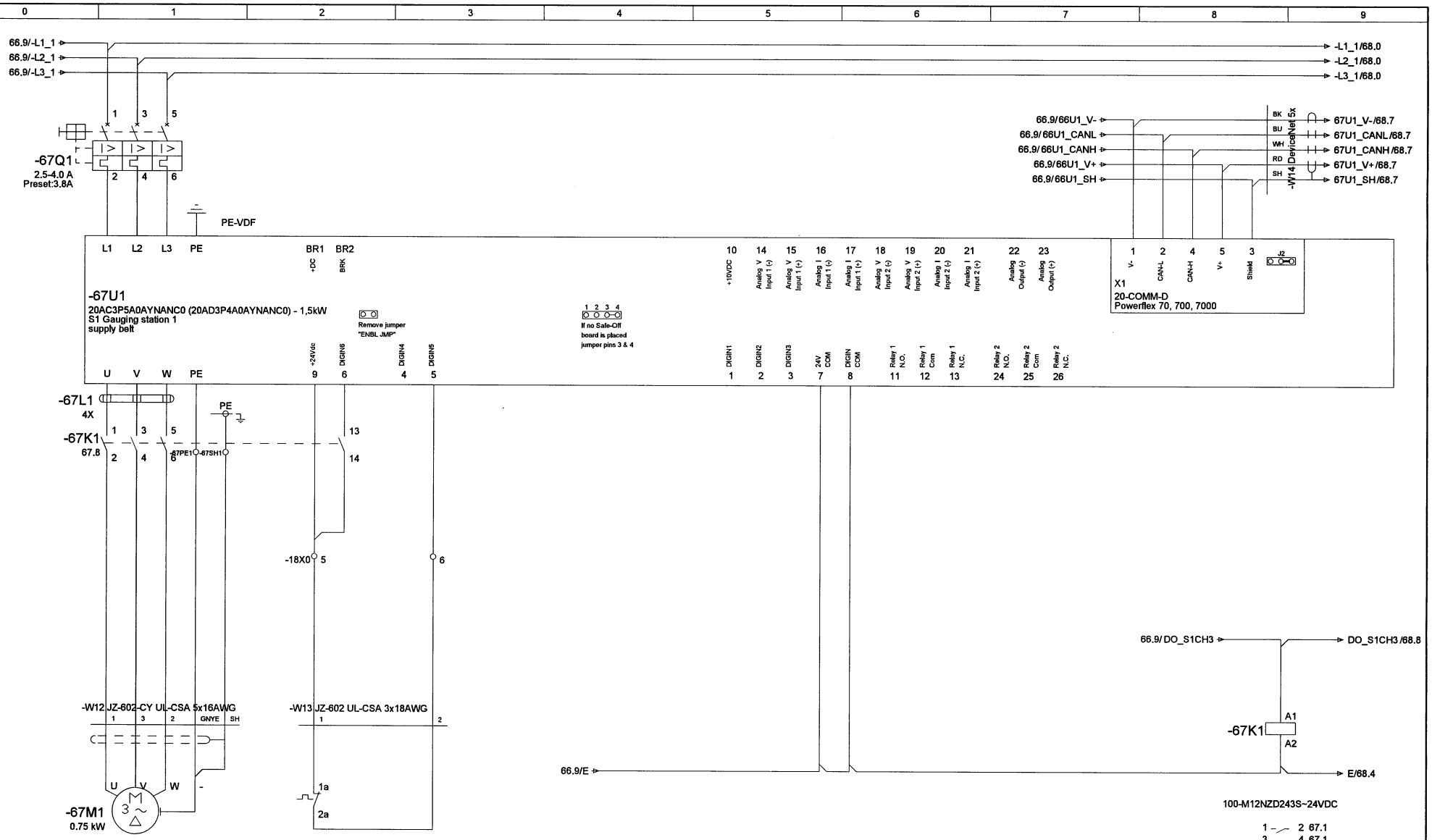
Subject: S1 Extruder 1 supply roller			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Gauging station 1
supply belt

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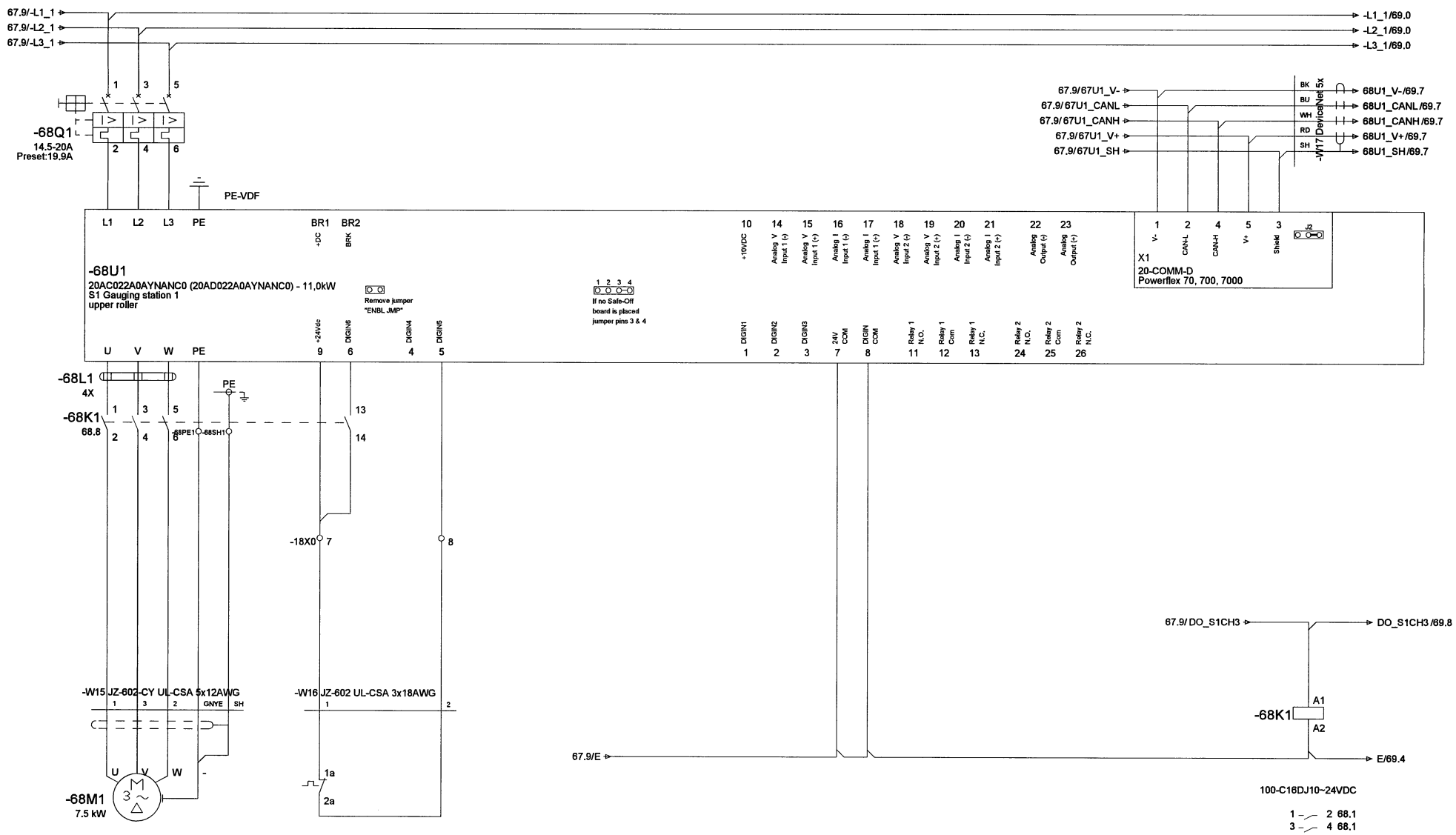
Subject : S1 Gauging station 1 supply belt			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Gauging station 1
upper roller

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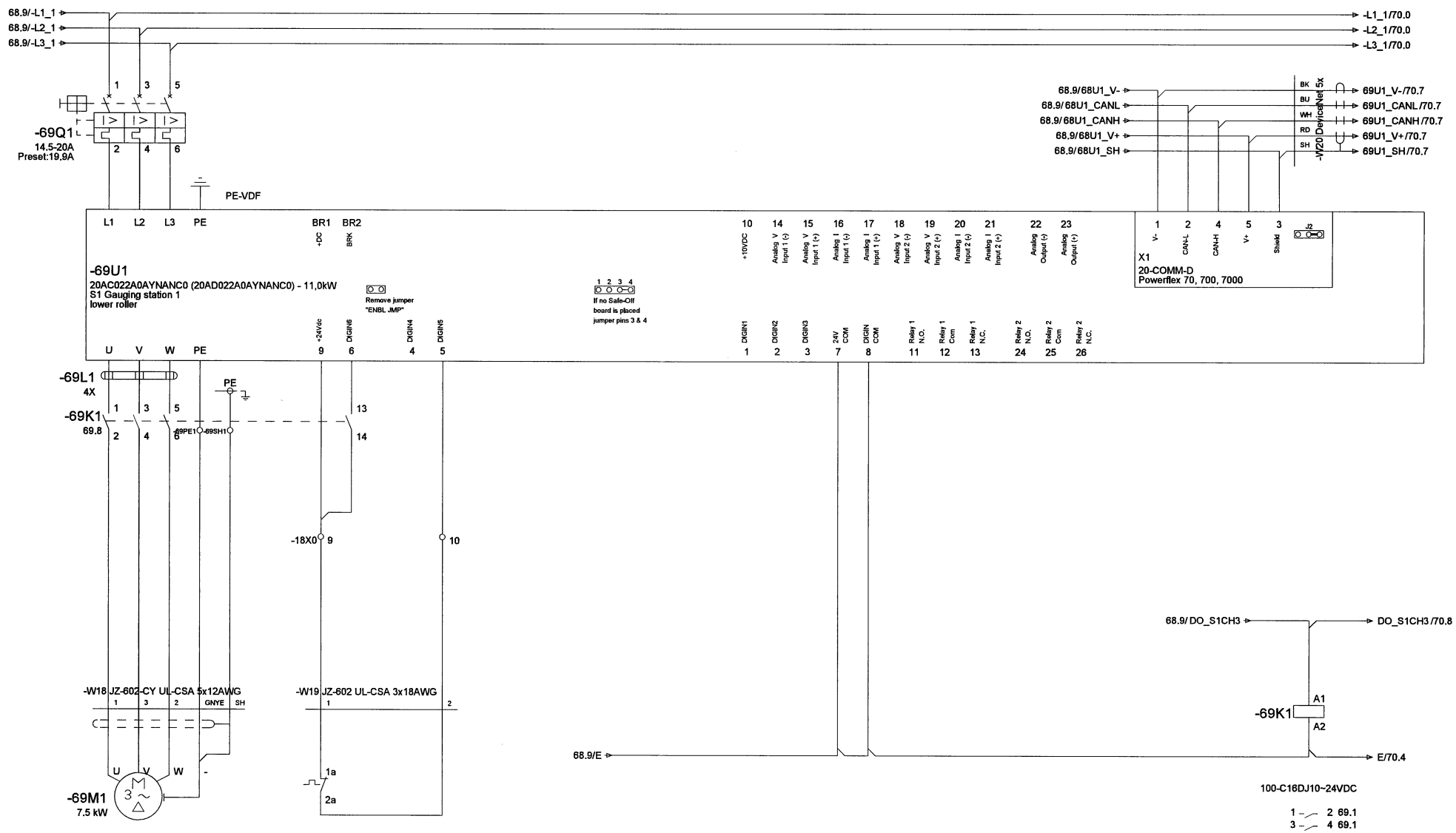
Subject : S1 Gauging station 1 upper roller			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Gauging station 1
lower roller

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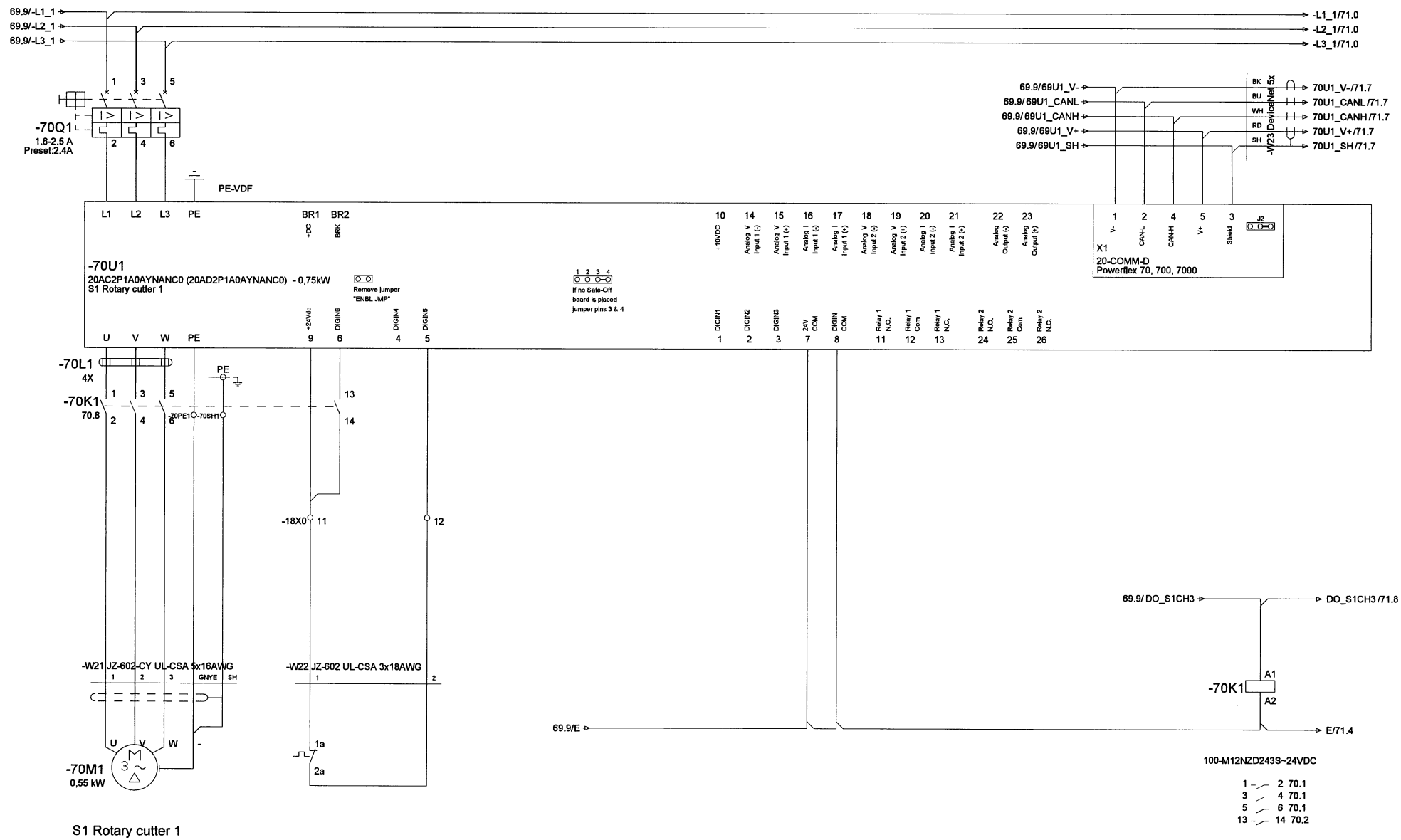
Subject : S1 Gauging station 1 lower roller			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



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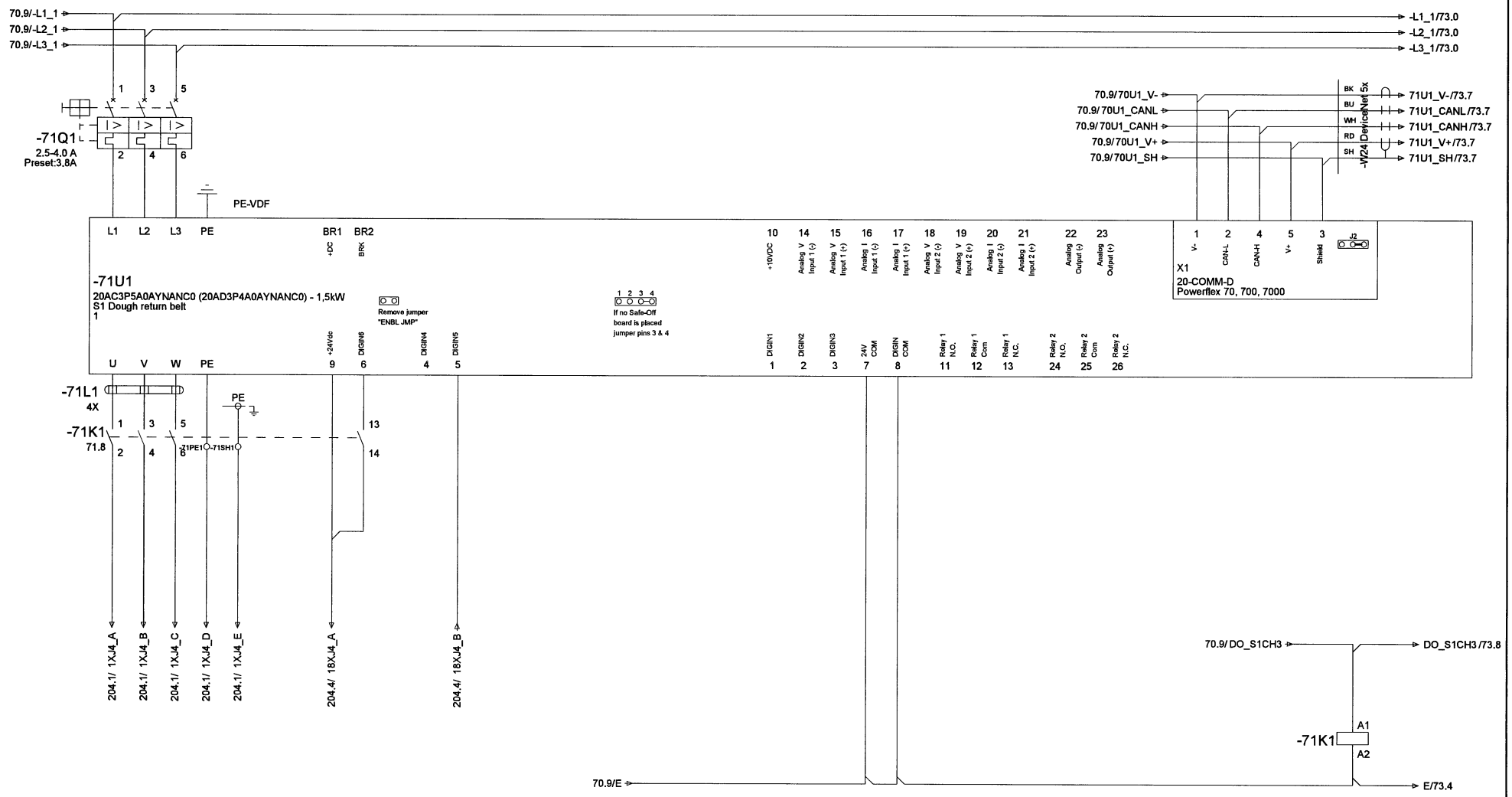
Subject: S1 Rotary cutter 1			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



204M1 = 0,75kW
204M2 = 0,25kW

S1 Dough return belt
1

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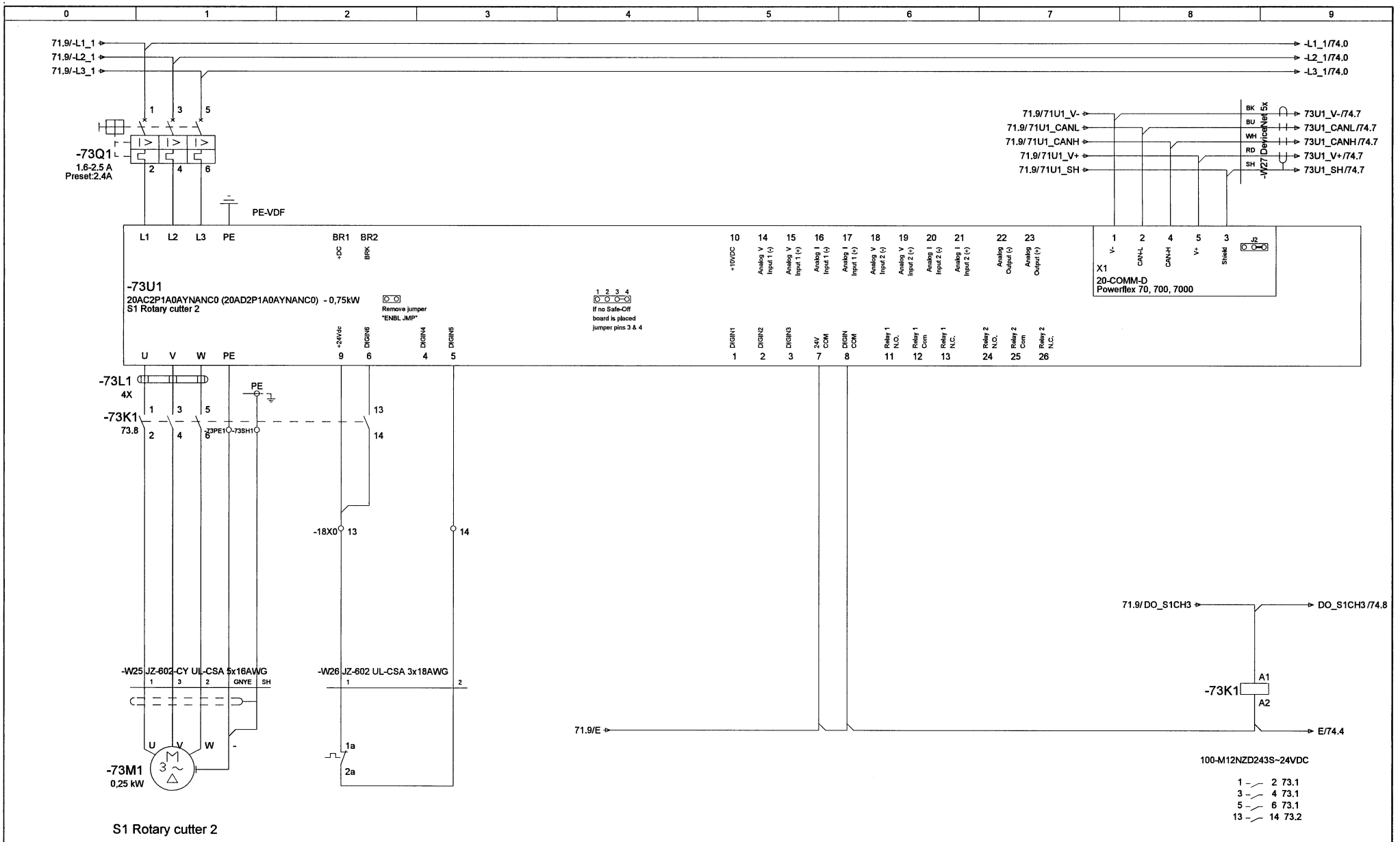
Subject : S1 Dough return system 1			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Rotary cutter 2

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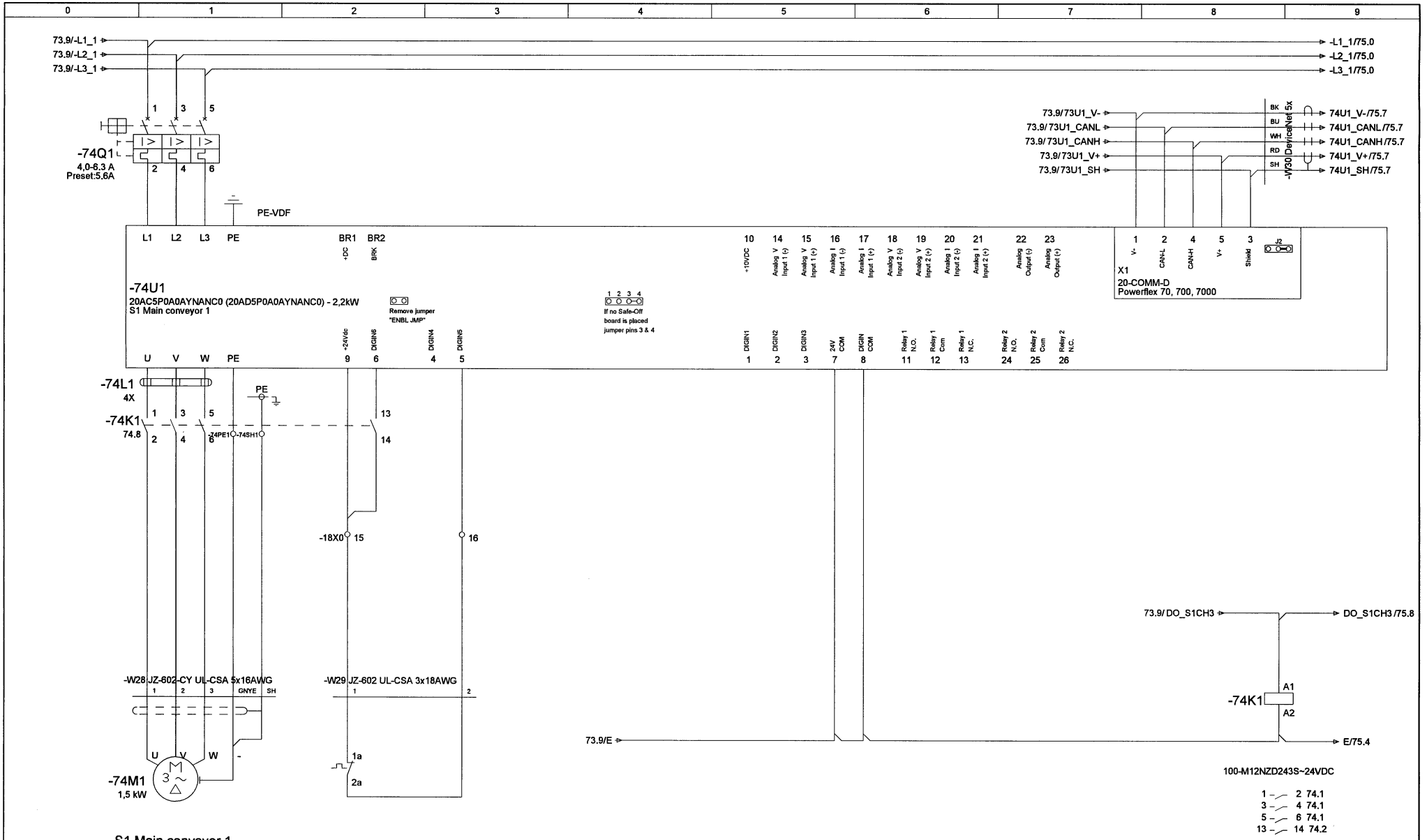
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	73
Subject : S1 Rotary cutter 2			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Main conveyor 1

73

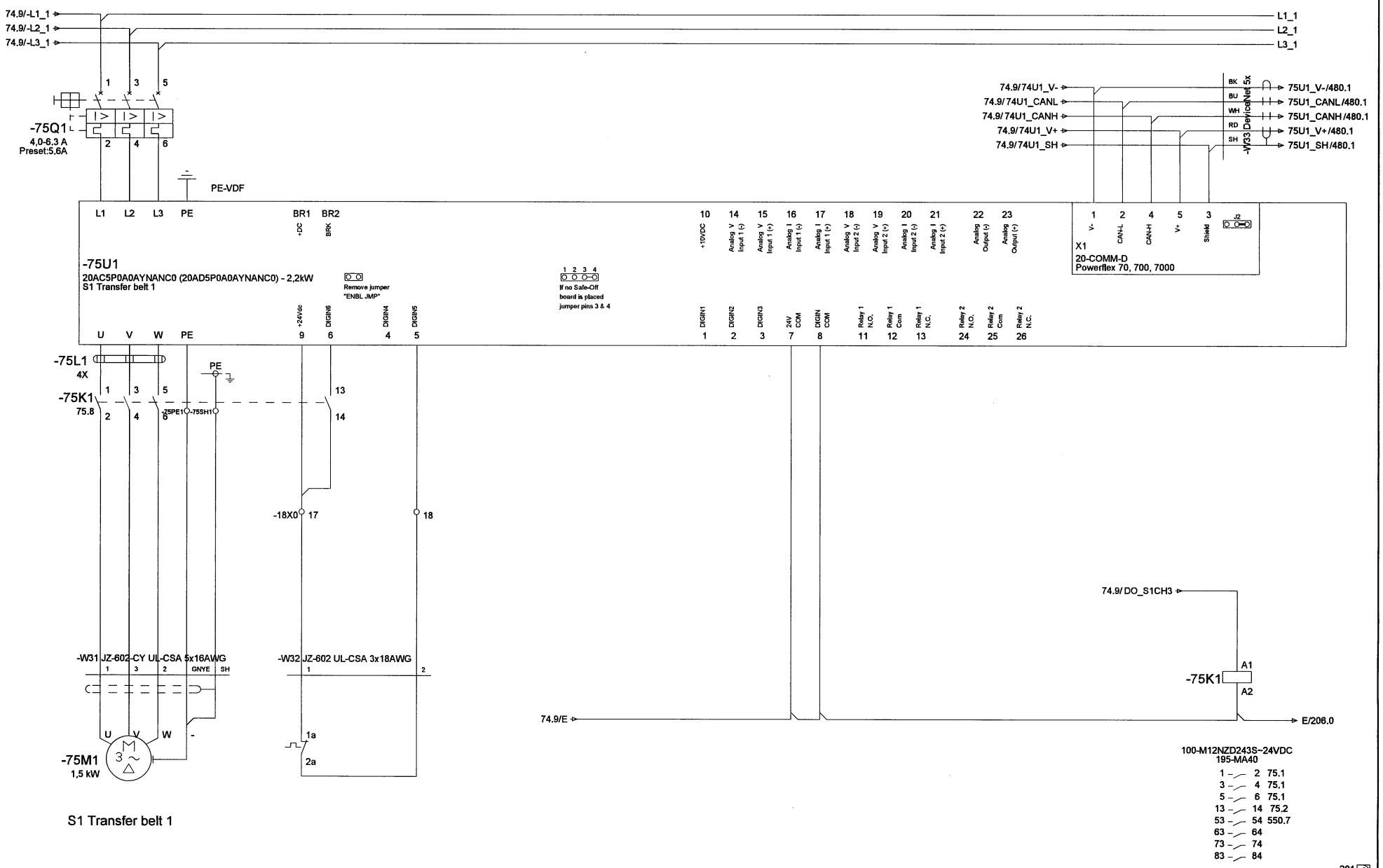
75

Property of :

Rademaker *Specialists in food processing equipment*

RADEMAKER BV
Food processing equipment
Plantijnweg 23, P.O. Box 416
4100 AK Culemborg
Tel. + 31(0)345 543543
Fax. + 31(0)345 543590

Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	74
Subject : S1 Main conveyor 1			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



74

201

Property of:

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RADEMAKER BV
Food processing equipment
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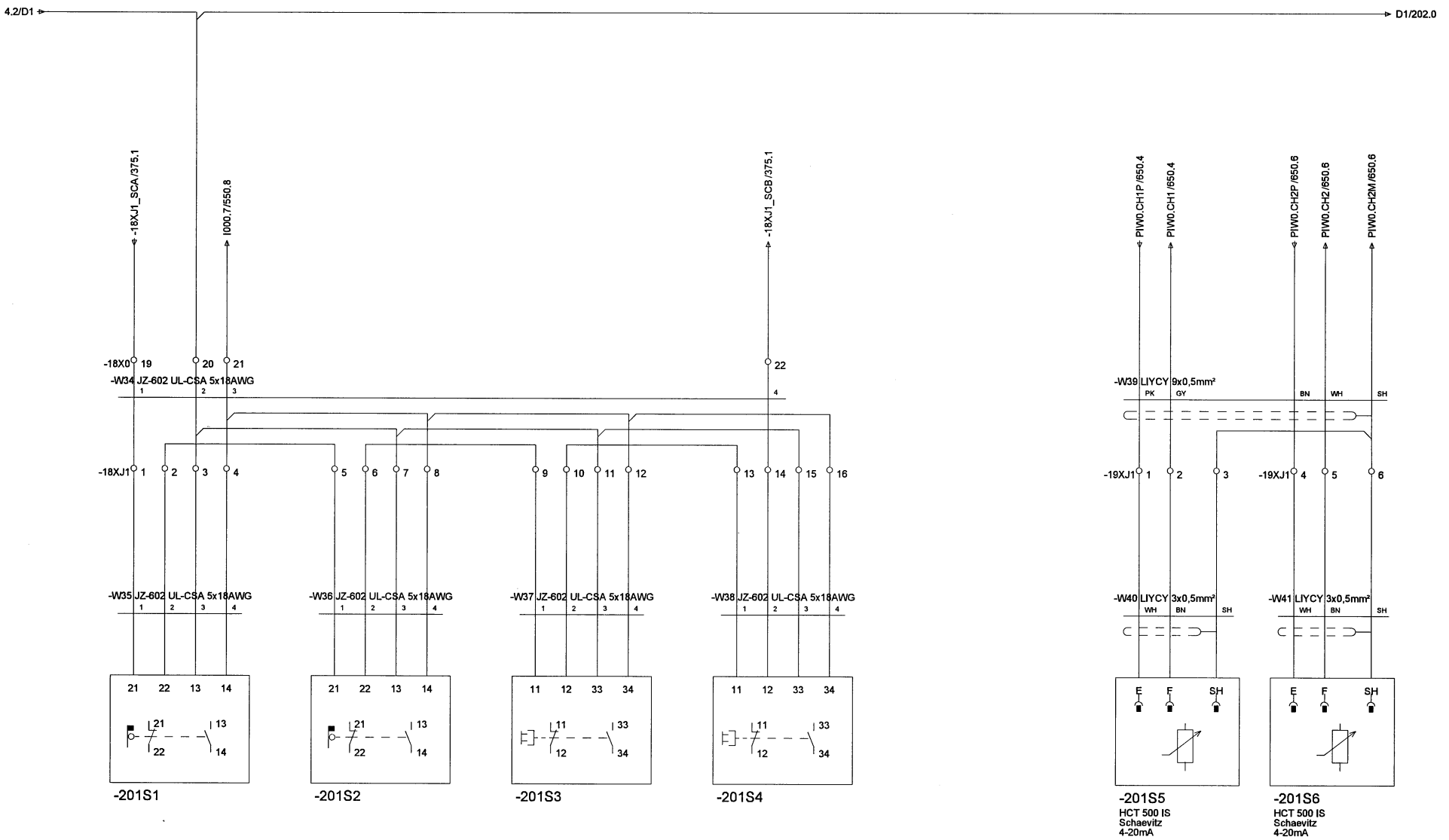
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	75
Subject: S1 Transfer belt 1			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Extruder 1
1 = Safety cover
open upstream

S1 Extruder 1
1 = Safety cover
open downstream

S1 Extruder 1
1 = door open left

S1 Extruder 1
1 = door open right

S1 Extruder 1 Supply
roller Gap

S1 Extruder 1
Sheeting rollers Gap

75

202

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RADEMAKER BV
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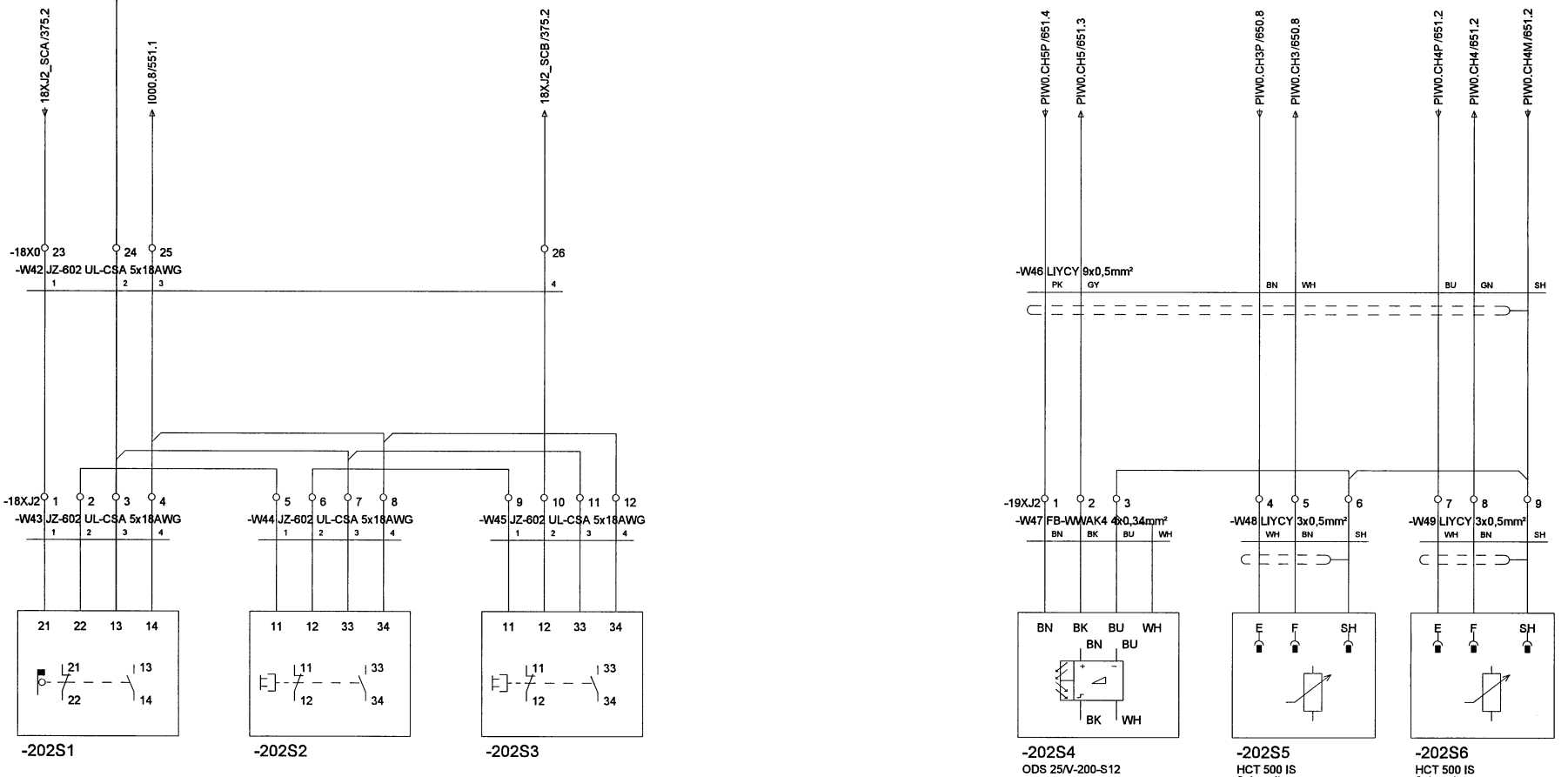
Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	Module S1 Extruder 1		

Proj. nr.	7193	Sub.proj.nr.	719395	Page	201
Drawing number	0010000.21844	Rev.	D		
Drawn by	WBA	Date	24.Jan.2008	Accoord	
Change	WBA	Date change	11.Nov.2008		

201.9/D1 → D1/203.0



S1 Gauging station 1
1 = Safety cover open

S1 Gauging station 1
1 = door open left

S1 Gauging station 1
1 = door open right

S1 Gauging station 1
Loop

S1 Gauging station 1
left Gap

S1 Gauging station 1
right Gap

201

203

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	202
Subject : Module S1 Gauging station			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	

202.9/D1 → D1/205.0

18XJ3_SCA/375.3

18XJ3_SCB/375.3

1000.9/551.2

-18X0 27 28 29 30

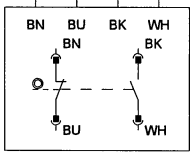
-W50 JZ-602 UL-CSA 5x16AWG

1 2 3 4

-18XJ3 1 2 3 4

-W51 FB-WAK4 4x0,5mm²

BN BU BK WH



-203S1

S1 Rotary cutter 1
1 = Safety cover open

202

204

Property of :
Rademaker Specialists in food processing equipment

RADEMAKER BV
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Plantijnweg 23, P.O. Box 416
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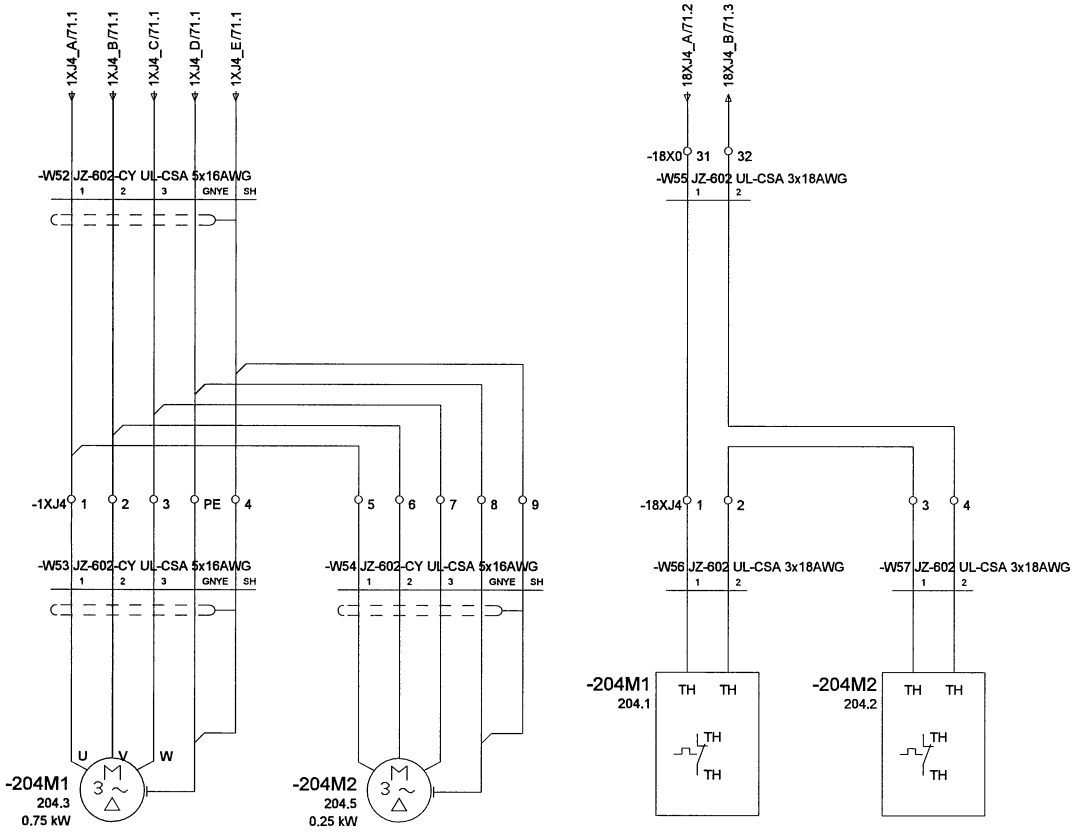
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	203
Subject : Module S1 Rotary cutter			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	25.Mrt.2008	



S1 Dough return conveyor

S1 Dough return cross belt 1

S1 Dough return conveyor

S1 Dough return cross belt 1

203

205

Property of :

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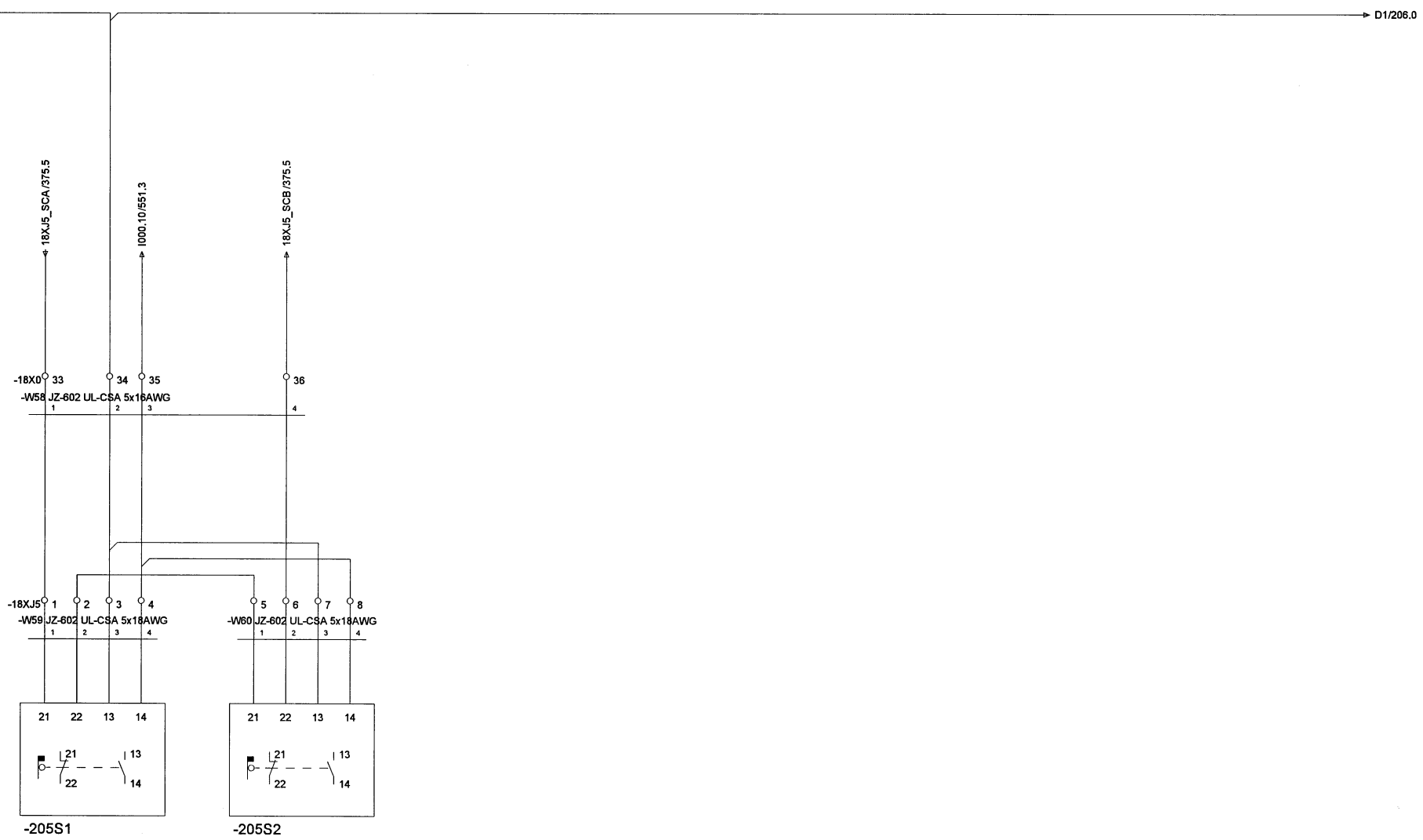
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	204
Subject : Module S1 Dough return system 1			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Rotary cutter 2
1 = Safety cover
open upstream

S1 Rotary cutter 2
1 = Safety cover
open downstream

204

206

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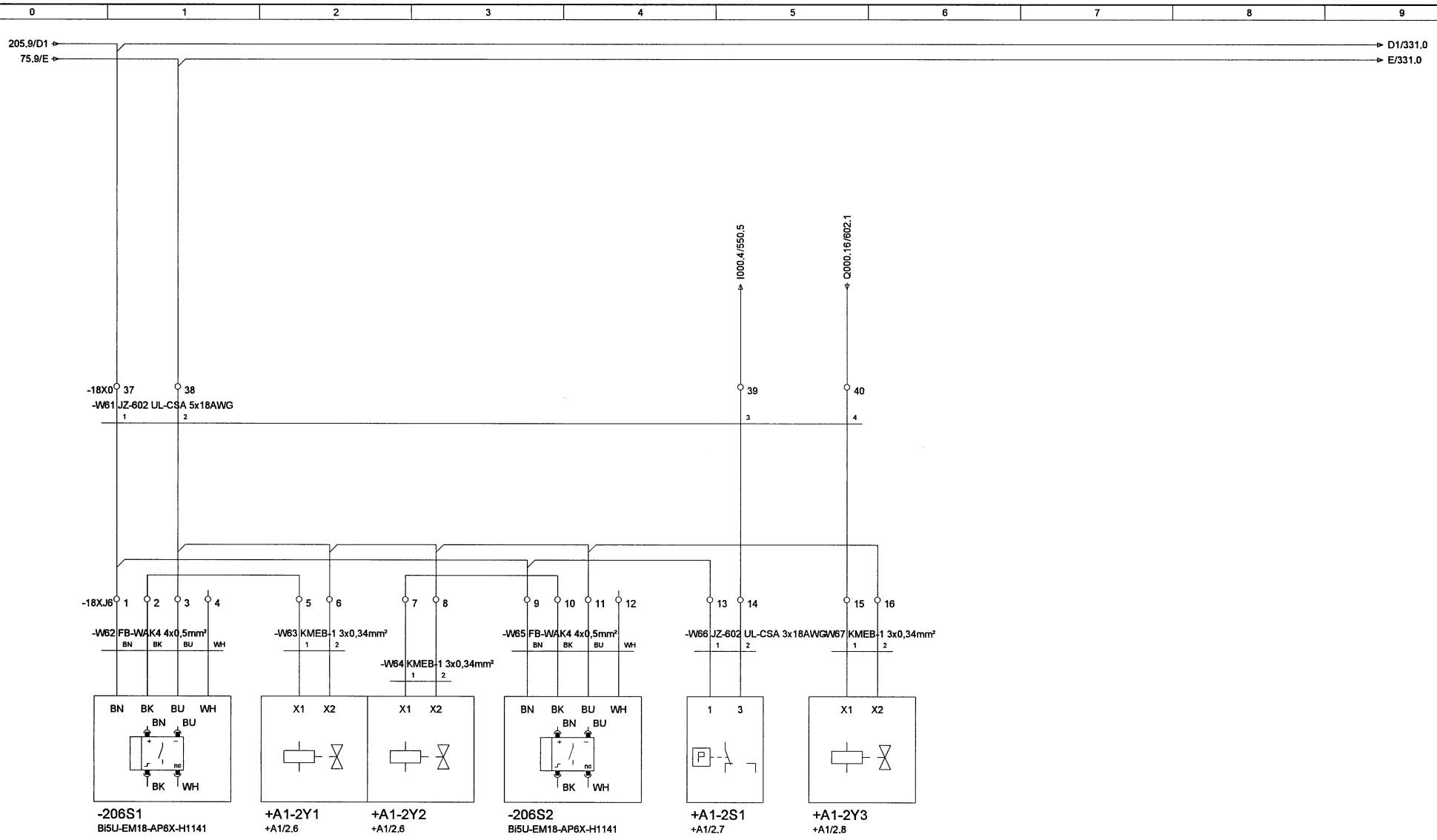
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	205
Subject : Module S1 Decoration roller 1			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Transfer belt 1
Belt steering

Dough Handling 1 S1 Transfer belt 1
1=Pressure 1=nose open
present

205

330

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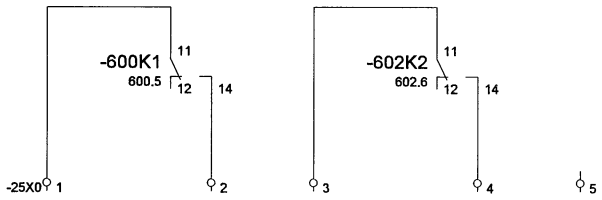
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	206
Subject : S1 Transfer belt 1			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	23.Jun.2009	



-330O1

A	B	C	D	E

Dough Handling 1
Upstream module

Process Begin Module
1=Ready to receive dough for upstream process

Process Begin Module
Output spare 1

206

331

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Food processing equipment
Plantijnweg 23, P.O. Box 416
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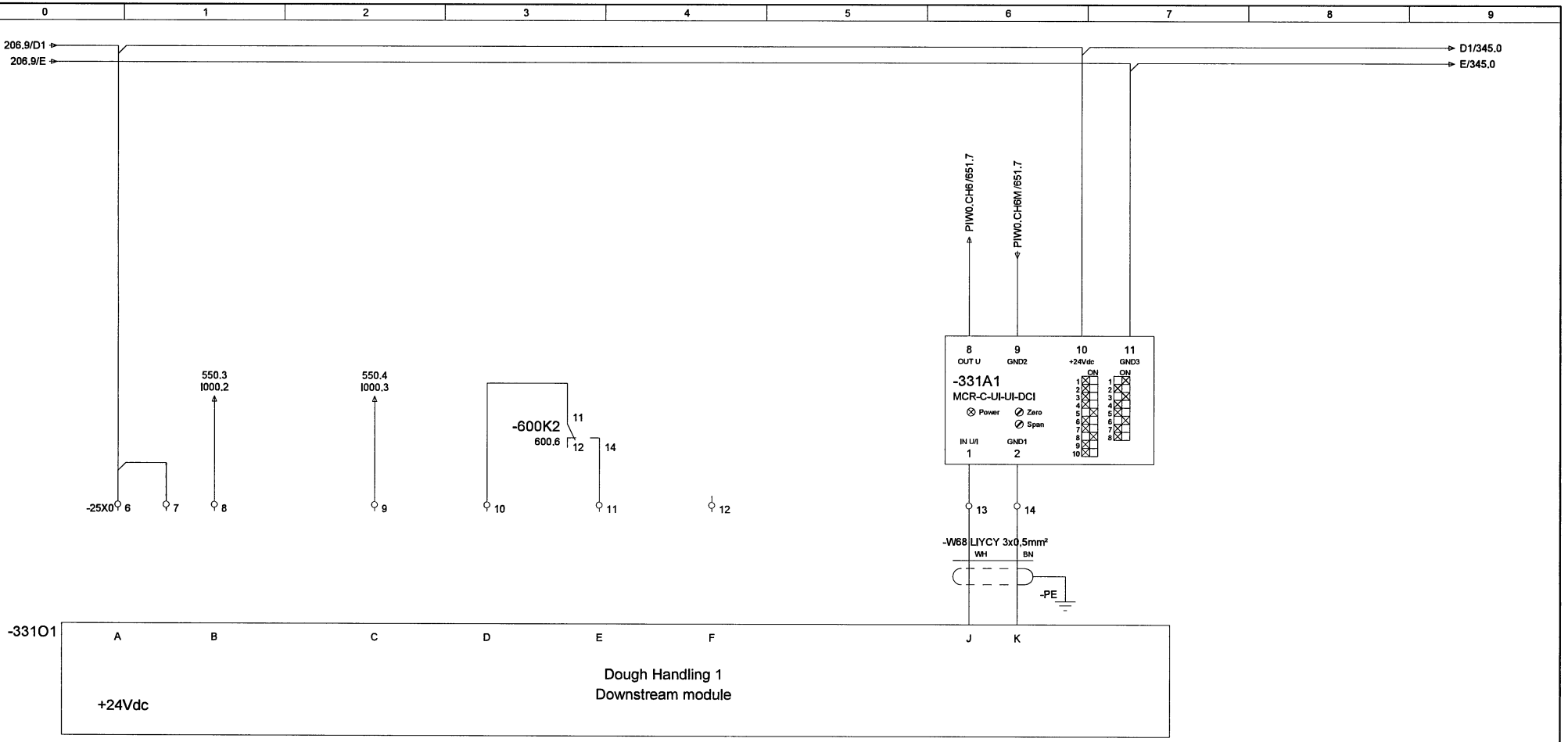
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	330
Subject : Interface with Upstream module			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	23.Jun.2009	



Process End Module
1=Run from
downstream process

Process End Module
1=Water Cooling on
Gauging station1

Process End Module
output spare 1

Process End Module
Speed signal 1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	331
Subject : Interface with downstream module			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	23.Jun.2009	

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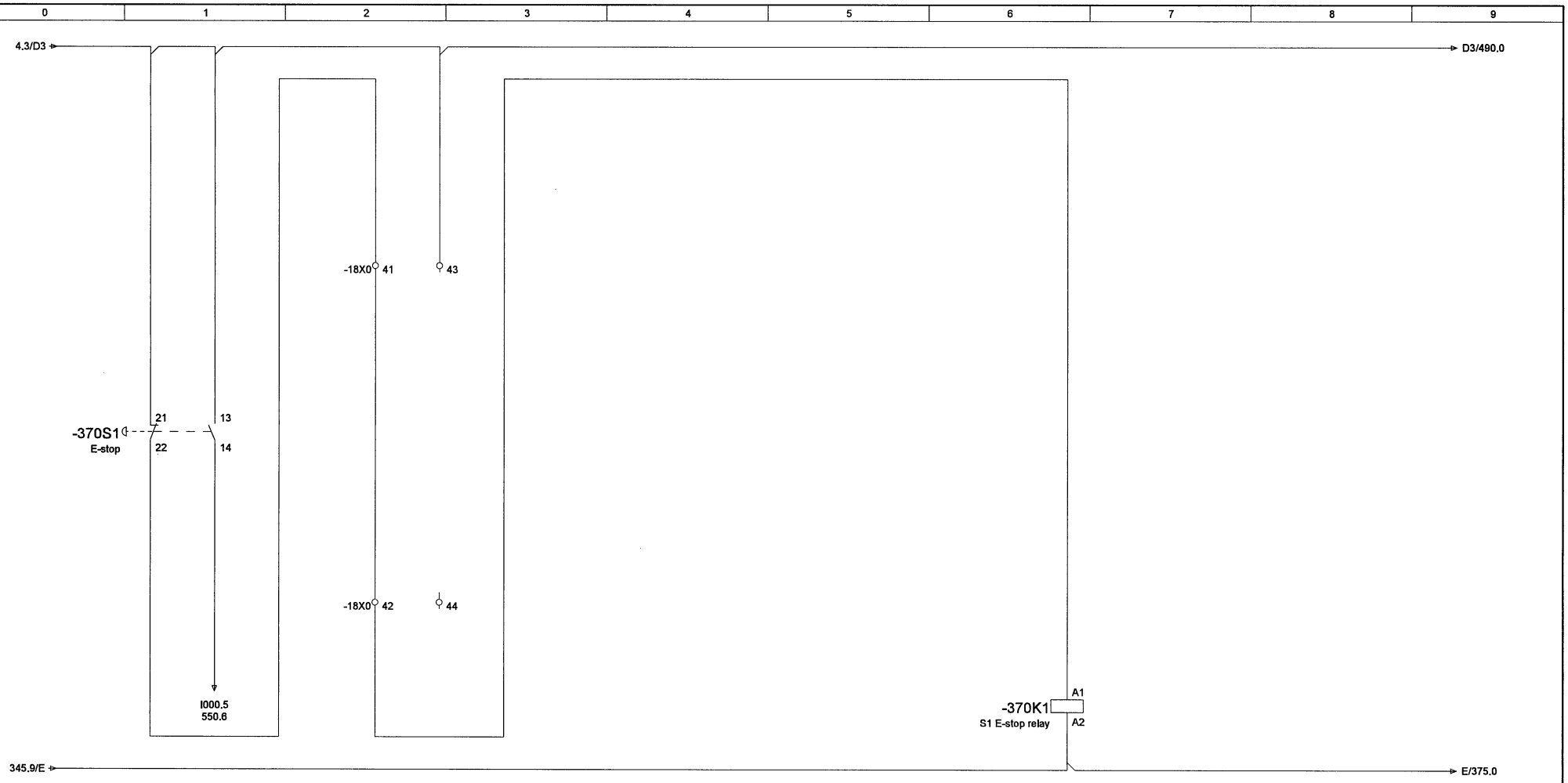
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	345
Subject : Main relays			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	08.Apr.2008	



345

375

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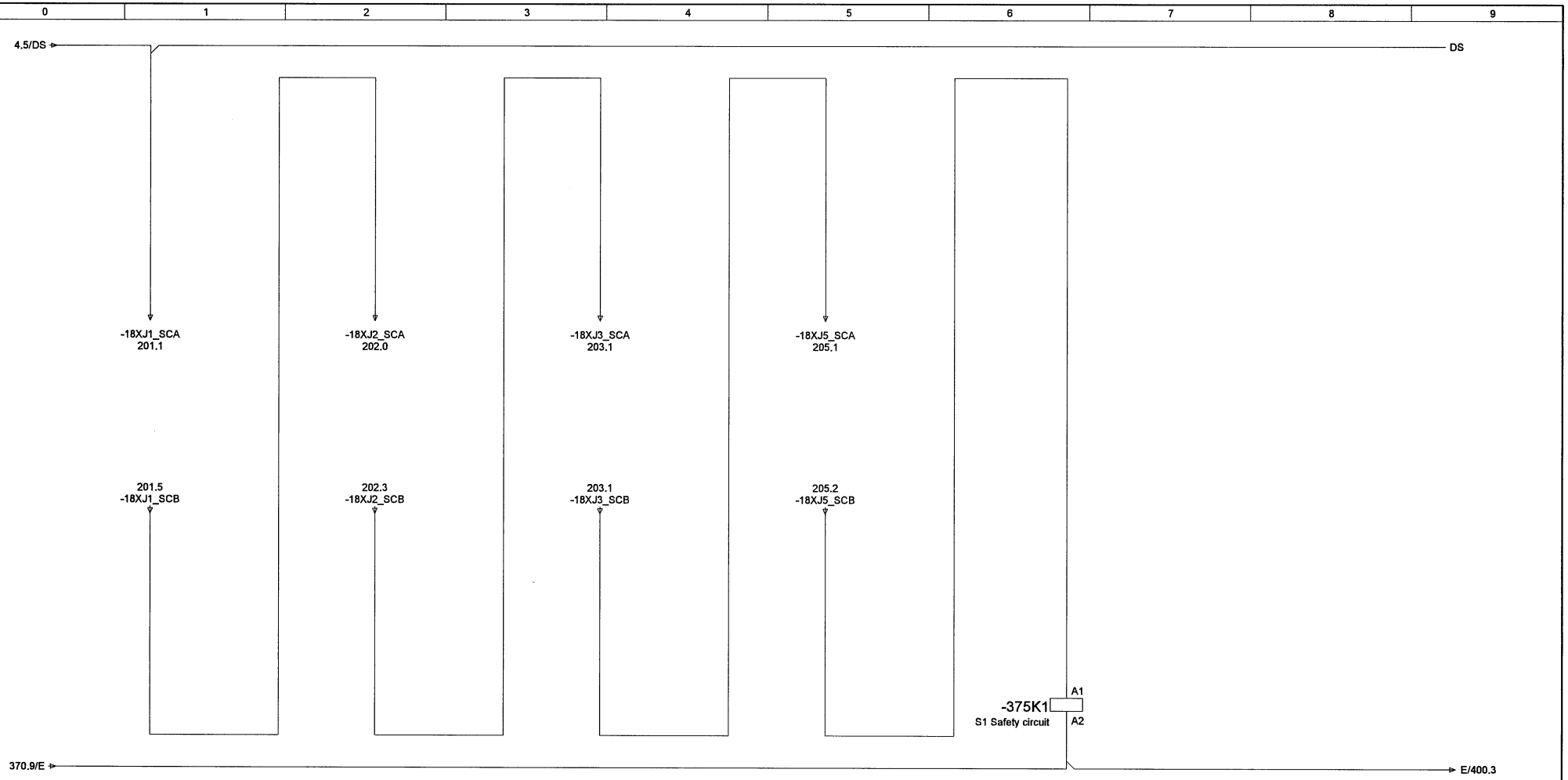
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	370
Subject : E-stop circuit			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



700DC-M220D24S~24VDC

13 – 14 345.1
21 – 22
31 – 32
43 – 44

370

400

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RADEMAKER BV
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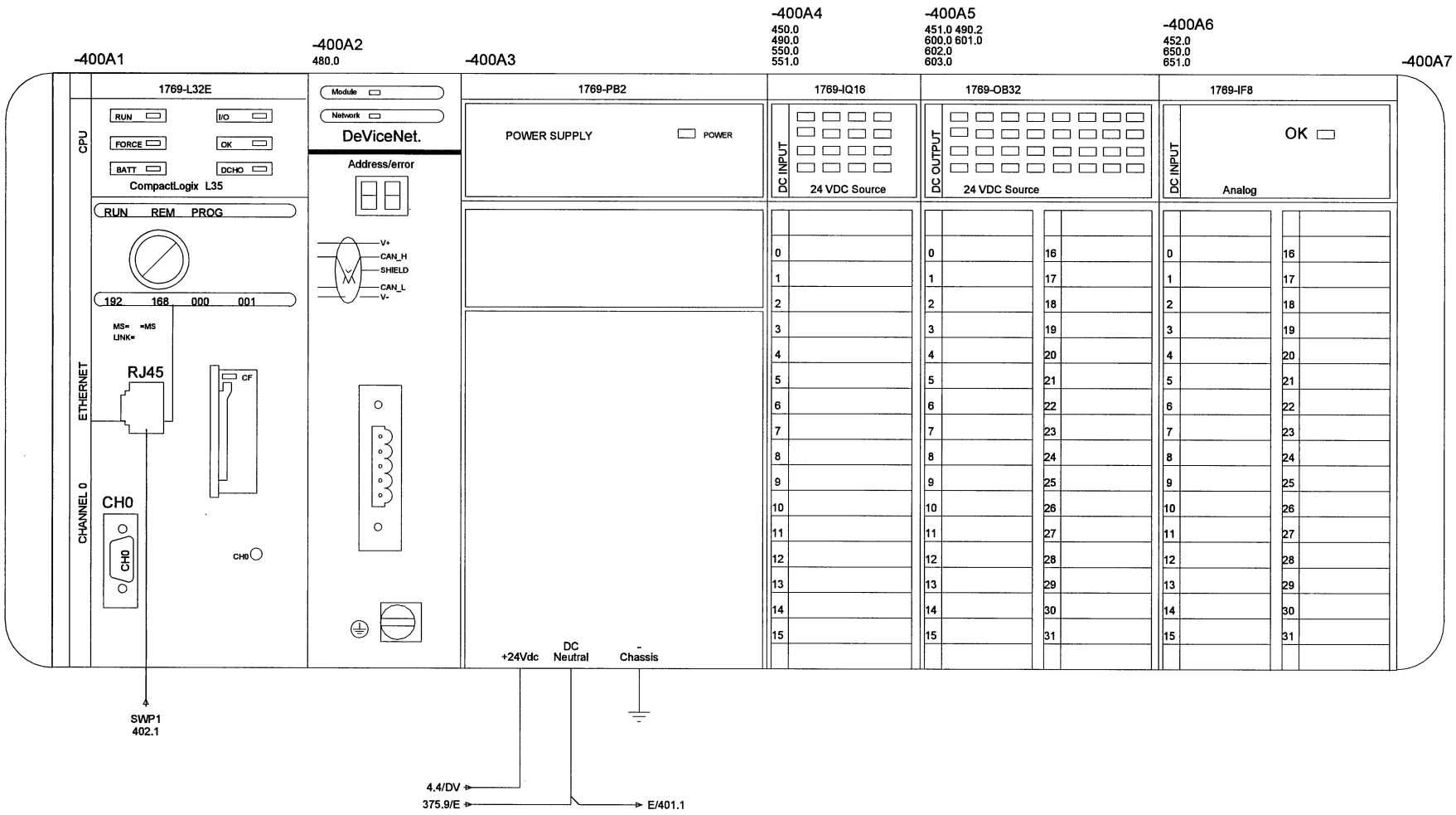
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	375
Subject : Safety circuit			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



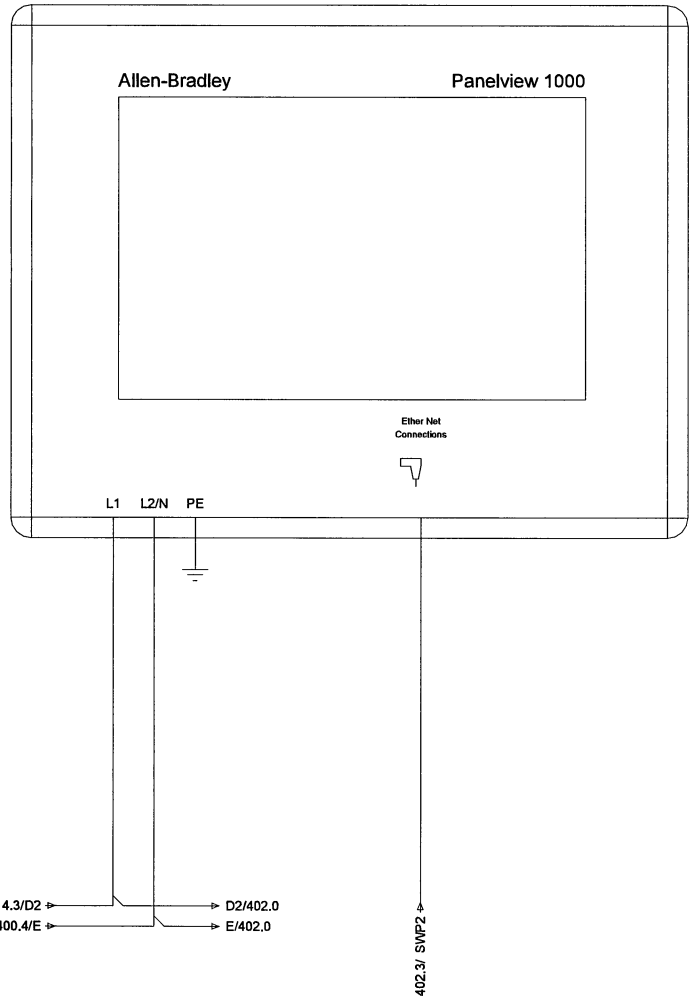
375

401

Property of : Rademaker *Specialists in food processing equipment*	RADEMAKER BV Food processing equipment Planlijnweg 23, P.O. Box 416 4100 AK Culemborg Tel. +31(0)345 543543 Fax. +31(0)345 543590	Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr. 719395 / Page 400
		Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev. D
		Subject : PLC-overvieuw			Drawn by	WBA	Date 24.Jan.2008
					Change	WBA	Date change 11.Nov.2008 / Accoord

0	1	2	3	4	5	6	7	8	9

-401A1
2711P-T10C4D2
PanelView Plus 1000



Display
Electric cabinet

400

402

Property of :

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Food processing equipment
Plantijnweg 23, P.O. Box 416
4100 AK Culemborg
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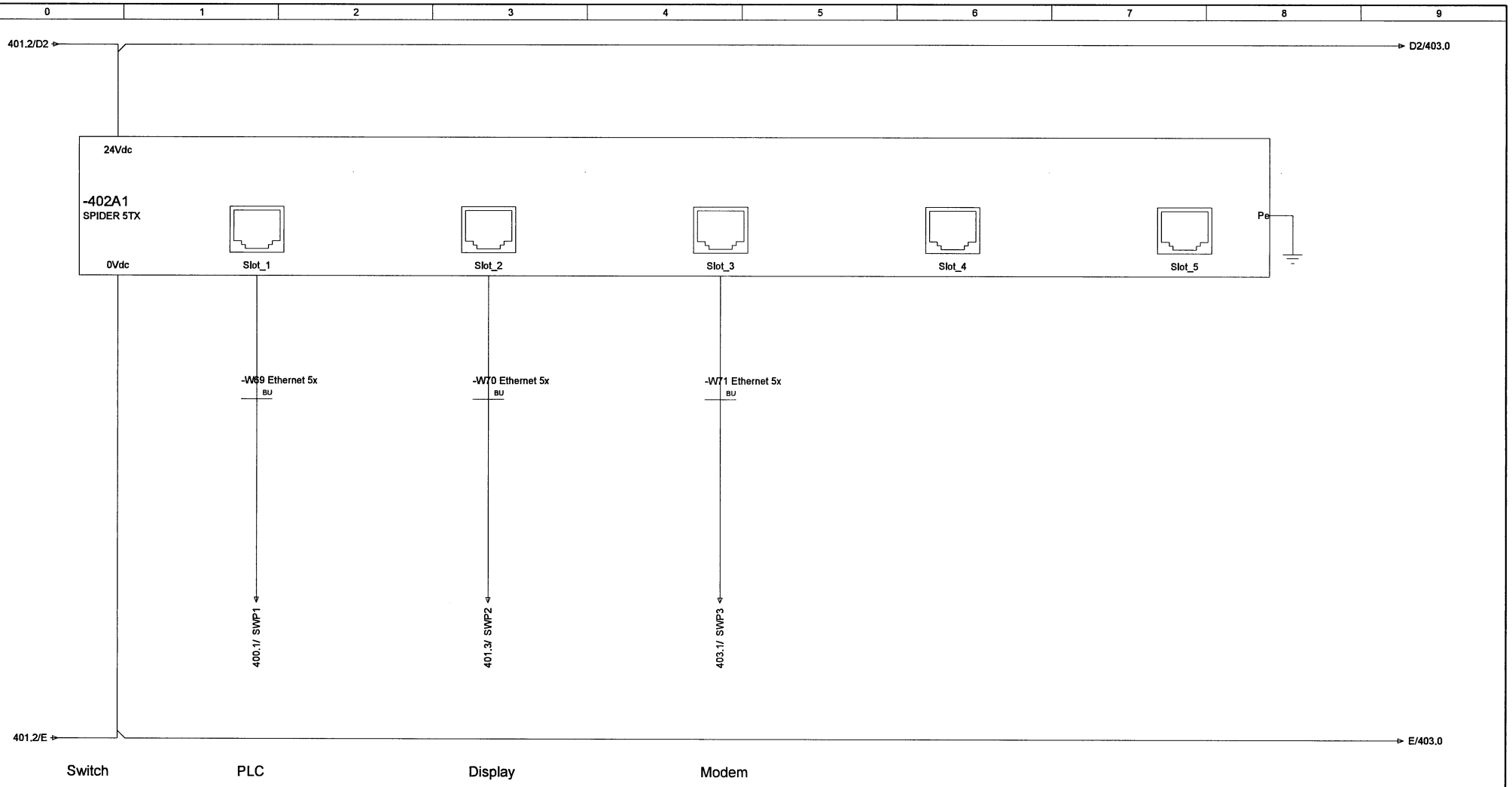
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	401
Subject : Display			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



401

403

Property of :
Rademaker Specialists in food processing equipment
RADEMAKER BV
Food processing equipment
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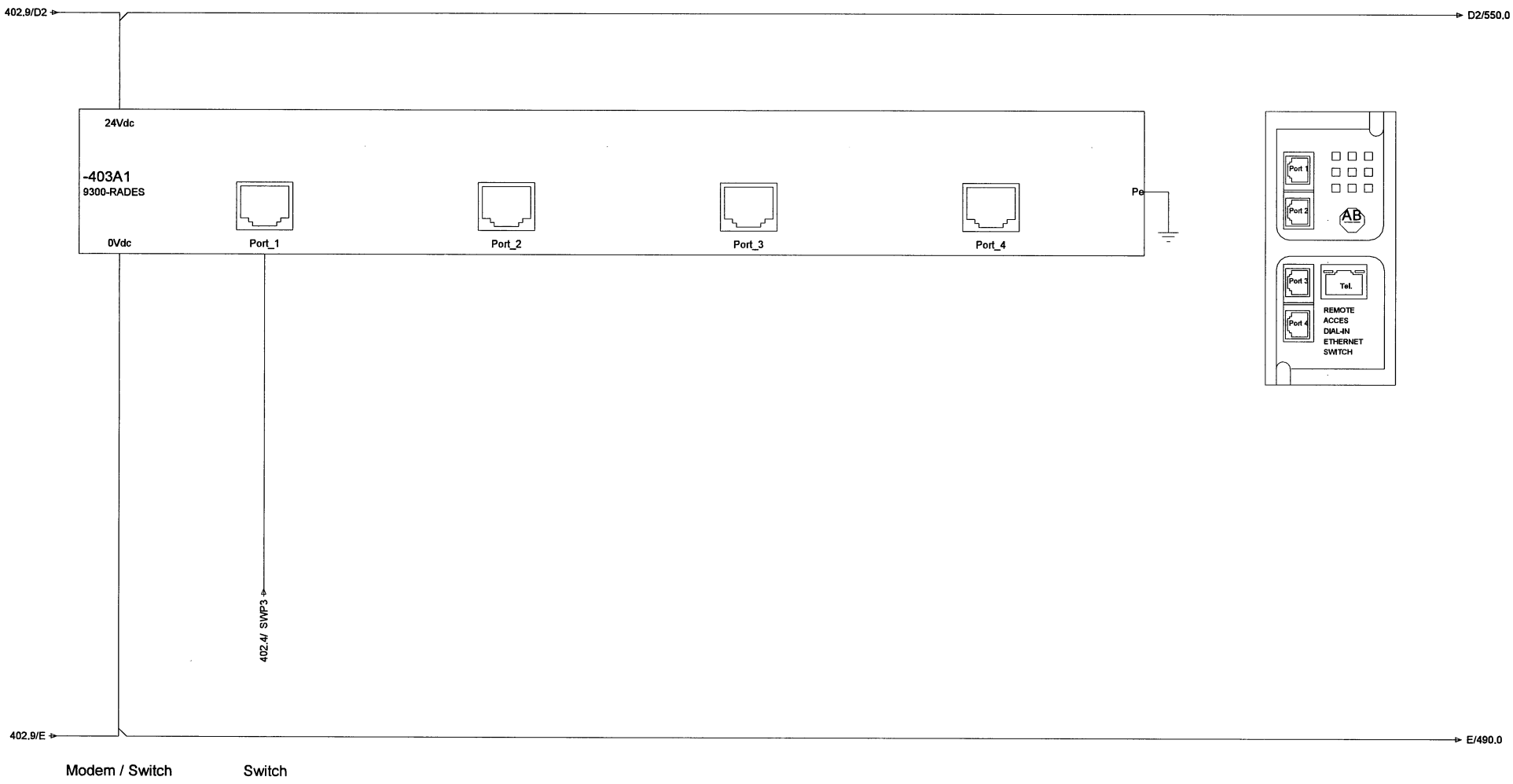
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	402
Subject : Ethernet switch			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



402

450

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Food processing equipment
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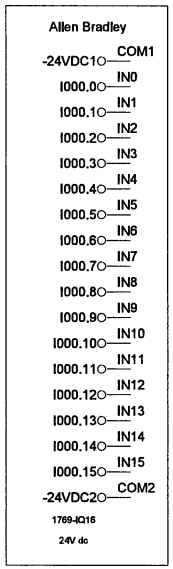
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	403
Subject : Modem			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	

0	1	2	3	4	5	6	7	8	9

-400A4
400.4



/490.1		
/550.1	-99X0:1	Dough Handling 1 spare
/550.2	-99X0:2	Dough Handling 1 spare
/550.3	-25X0:8	Process End Module 1=Run from downstream process
/550.4	-25X0:9	Process End Module 1=Water Cooling on Gauging station1
/550.5	+A1-2S1:3	S1 Transfer belt 1 1=Pressure present
/550.6	-370S1:14	S1 Operator panel 1=E-stop present
/550.7	-75K1:54	S1 1=Main relay is on
/550.8	-201S1:14	S1 Extruder 1 1 = Safety cover open
/551.1	-202S1:14	S1 Gauging station 1 1 = Safety cover open
/551.2	-203S1:WH	S1 Rotary cutter 1 1 = Safety cover open
/551.3	-205S1:14	S1 Rotary cutter 2 1 = Safety cover open
/551.4	-99X0:3	Dough Handling 1 spare
/551.5	-99X0:4	Dough Handling 1 spare
/551.6	-99X0:5	Dough Handling 1 spare
/551.7	-99X0:6	Dough Handling 1 spare
/551.8	-99X0:7	Dough Handling 1 spare
/490.1		

403

451

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	450
Subject : PLC-Digital IO-cross-ref			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	23.Jun.2009	

0	1	2	3	4	5	6	7	8	9

-400A5
400.5

Allen Bradley

1769-OB16
24V dc

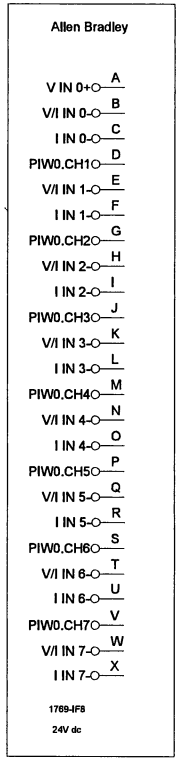
+24VDC1 +VDC1	/490.2		
Q000.0 OUT0	/600.1	-99X0:8	Dough Handling 1 spare
Q000.1 OUT1	/600.2	-99X0:9	Dough Handling 1 spare
Q000.2 OUT2	/600.3	-99X0:10	Dough Handling 1 spare
Q000.3 OUT3	/600.4	-99X0:11	Dough Handling 1 spare
Q000.4 OUT4	/600.5	-600K1:A1	Process Begin Module 1=Ready to receive dough for upstream process
Q000.5 OUT5	/600.6	-600K2:A1	Process End Module output spare 1
Q000.6 OUT6	/600.7	-600P1	Transport 1 1=hour counter counts
Q000.7 OUT7	/600.8	-600K3:A1	S1 Horn 1
Q000.8 OUT8	/601.1	-601K2:21	S1 Extruder 1 Sheeting rollers 1=Increase gap
Q000.9 OUT9	/601.2	-601K1:21	S1 Extruder 1 Sheeting rollers 1=Decrease gap
Q000.10 OUT10	/601.3	-601K4:21	S1 Extruder 1 Supply roller 1=Increase gap
Q000.11 OUT11	/601.4	-601K3:21	S1 Extruder 1 Supply roller 1=Decrease gap
Q000.12 OUT12	/601.5	-601K6:21	S1 Gauging station 1 1=Increase gap left
Q000.13 OUT13	/601.6	-601K5:21	S1 Gauging station 1 1=Decrease gap left
Q000.14 OUT14	/601.7	-601K8:21	S1 Gauging station 1 1=Increase gap right
Q000.15 OUT15	/601.8	-601K7:21	S1 Gauging station 1 1=Decrease gap right
-24VDC1 DC_COM1	/490.2		
+24VDC2 +VDC2	/490.3		
Q000.16 OUT16	/602.1	+A1-2Y3:X1	S1 Transfer belt 1 1=nose open
Q000.17 OUT17	/602.2	-602H1:3	Stacklight 1 1 =Red; flash => reset poss.; steady =>alarm reset not poss.
Q000.18 OUT18	/602.3	-602H2:2	Stacklight 1 1 = Orange; steady => warning present
Q000.19 OUT19	/602.4	-602H3:1	Stacklight 1 1 = Green; flash =>home , jog, stop,standby; steady =>run
Q000.20 OUT20	/602.5	-602K1:A1	S1 Release main relay
Q000.21 OUT21	/602.6	-602K2:A1	Process Begin Module 1=Ready to receive dough for upstream process
Q000.22 OUT22	/602.7	-99X0:12	Spare output
Q000.23 OUT23	/602.8	-99X0:13	Spare output
Q000.24 OUT24	/603.1	-99X0:14	Spare output
Q000.25 OUT25	/603.2	-99X0:15	Spare output
Q000.26 OUT26	/603.3	-99X0:16	Spare output
Q000.27 OUT27	/603.4	-99X0:17	Spare output
Q000.28 OUT28	/603.5	-99X0:18	Spare output
Q000.29 OUT29	/603.6	-99X0:19	Spare output
Q000.30 OUT30	/603.7	-99X0:20	Spare output
Q000.31 OUT31	/603.8	-99X0:21	Spare output
-24VDC2 DC_COM2	/490.3		

450

452

0	1	2	3	4	5	6	7	8	9

-400A6
400.7



/650.1	-400A2:V(-)	Dough Handling 1 Check 10 Vdc power supply
/650.2		
/650.3		
/650.4	-201S5:F	S1 Extruder 1 Supply roller Gap
/650.5		
/650.6	-201S6:F	S1 Extruder 1 Sheeting rollers Gap
/650.7		
/650.8	-202S5:F	S1 Gauging station 1 left Gap
/651.1		
/651.2	-202S6:F	S1 Gauging station 1 right Gap
/651.3	-202S4:BK	S1 Gauging station 1 Loop
/651.4		
/651.5	-19X0:19	Process End Module 1=Water Cooling on Gauging station1
/651.7	-331A1:8	Process End Module 0-10Vdc speed signal

451

480

Property of :
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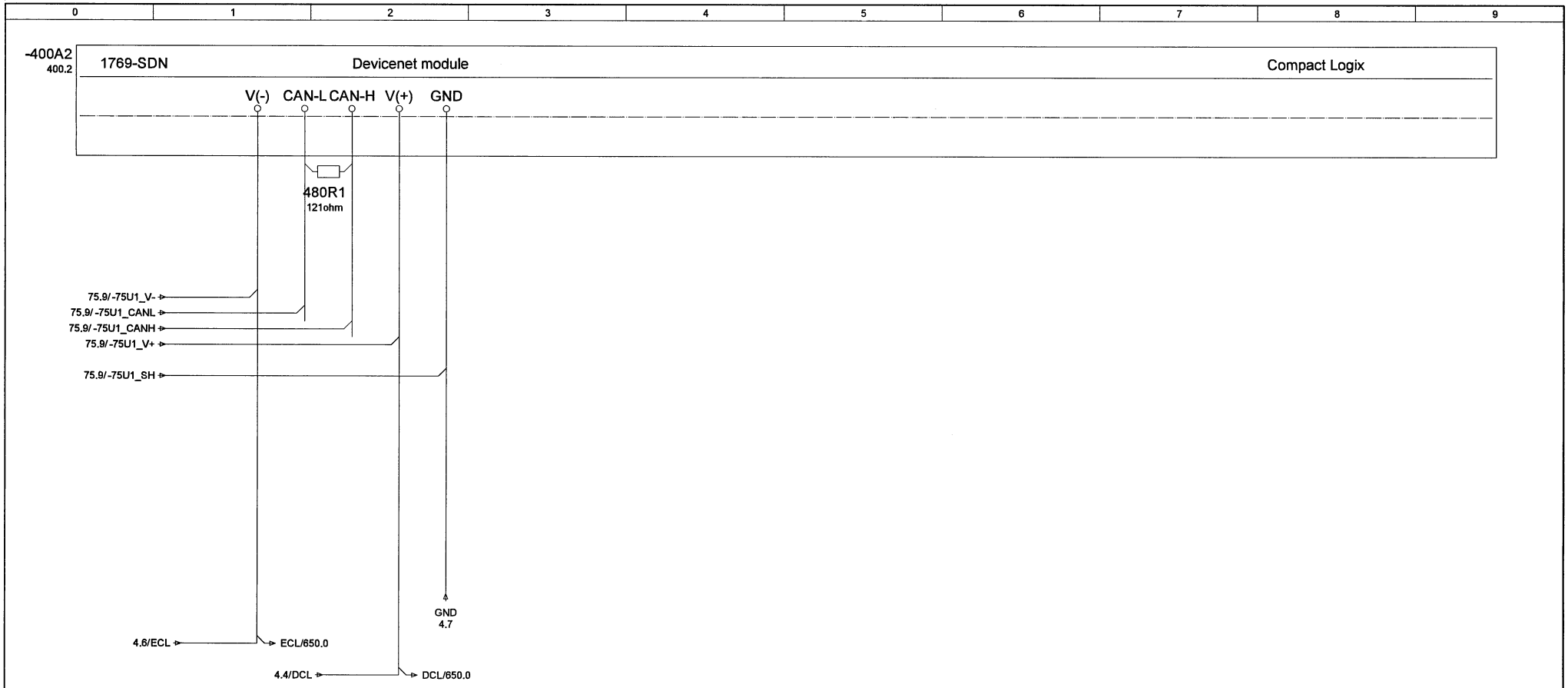
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	452
Subject : PLC-Analog IO-cross-ref			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	



Device net

452

490

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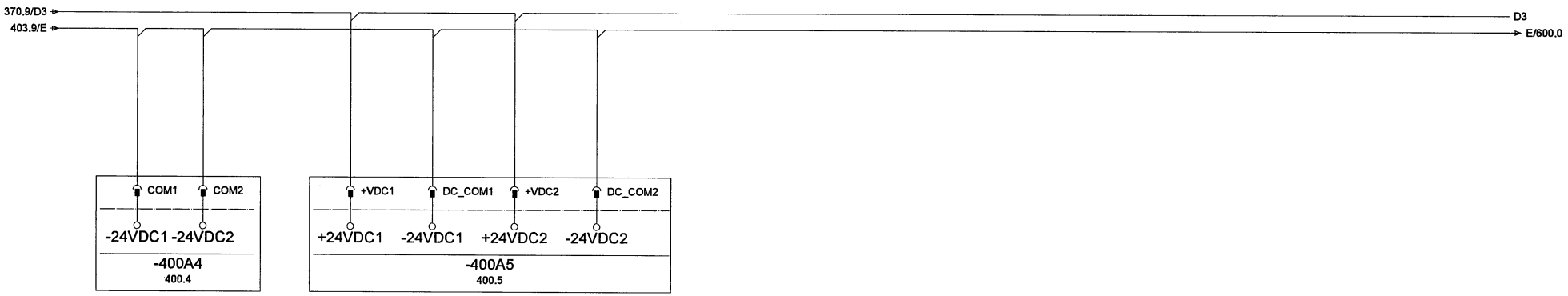
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	480
Subject : PLC power supply I0-modules			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	06.Mrt.2008	



Power supply Digital Inputs
I000.0-I000.15

Power supply Digital Outputs
Q000.0-Q000.31

480

550

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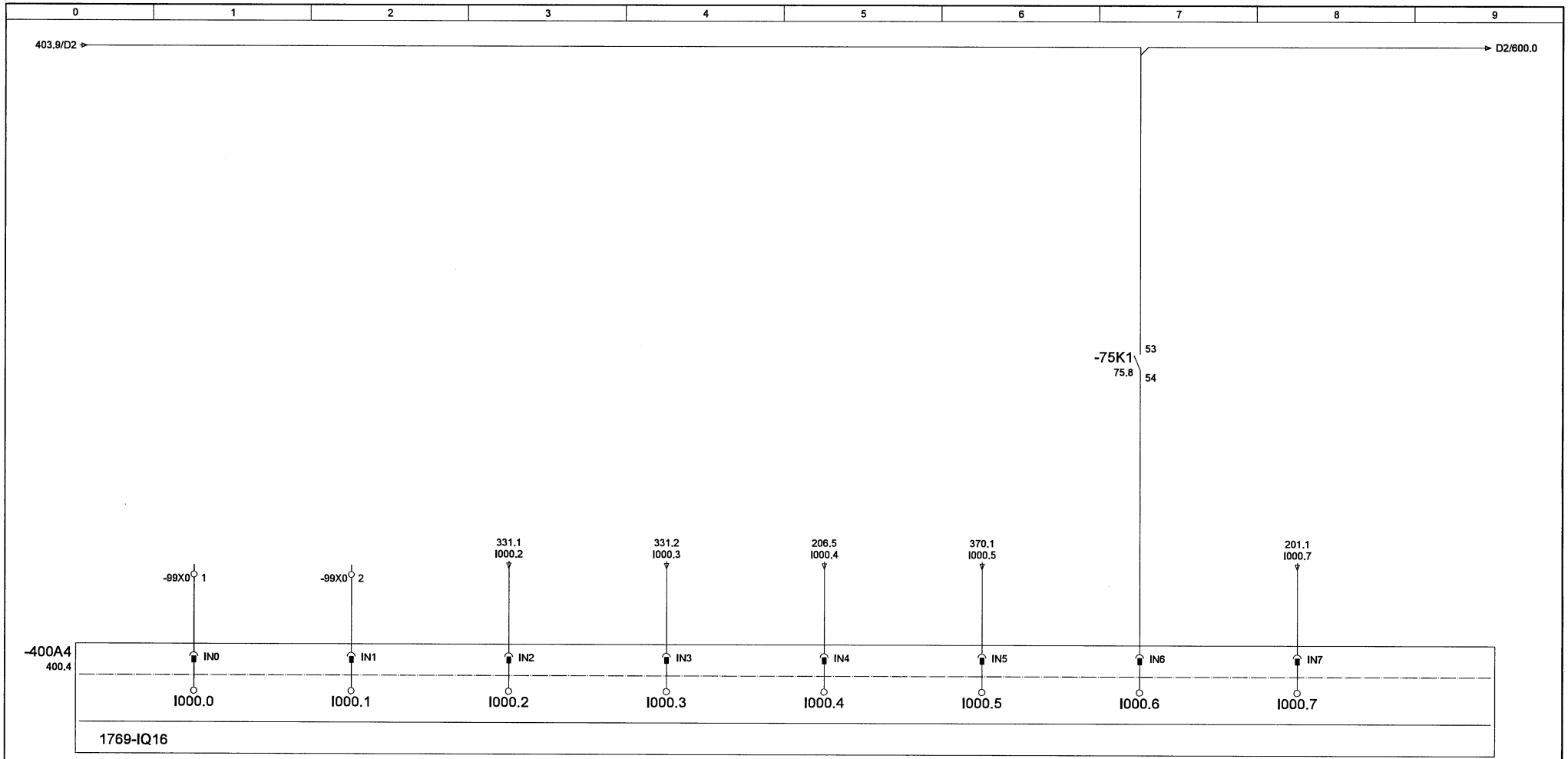
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	490
Subject : PLC power supply I0-modules			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	07.Mrt.2008	



490

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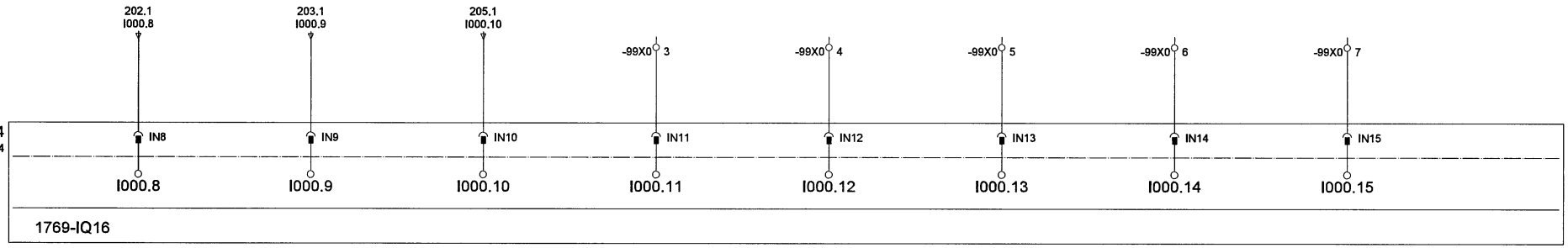
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	550
Subject : PLC Digital Input modules I000.0 -.7			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	23.Jun.2009	



S1 Gauging station 1 1 = Safety cover open	S1 Rotary cutter 1 1 = Safety cover open	S1 Rotary cutter 2 1 = Safety cover open	Dough Handling 1 spare	Dough Handling 1 spare	Dough Handling 1 spare	Dough Handling 1 spare	Dough Handling 1 spare

550

600

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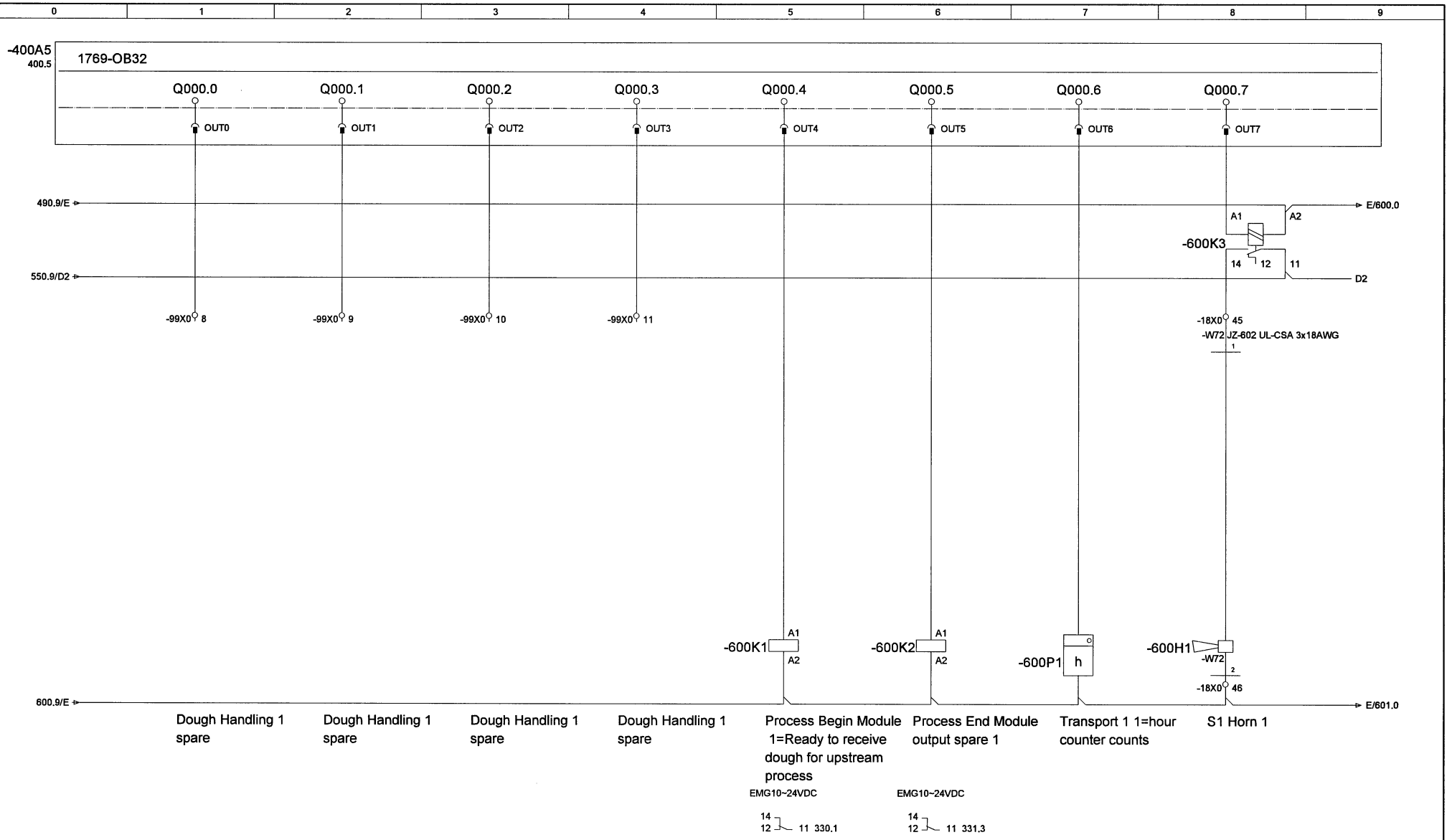
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	551
Subject : PLC Digital Input modules I000.8 -.15			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



551

601

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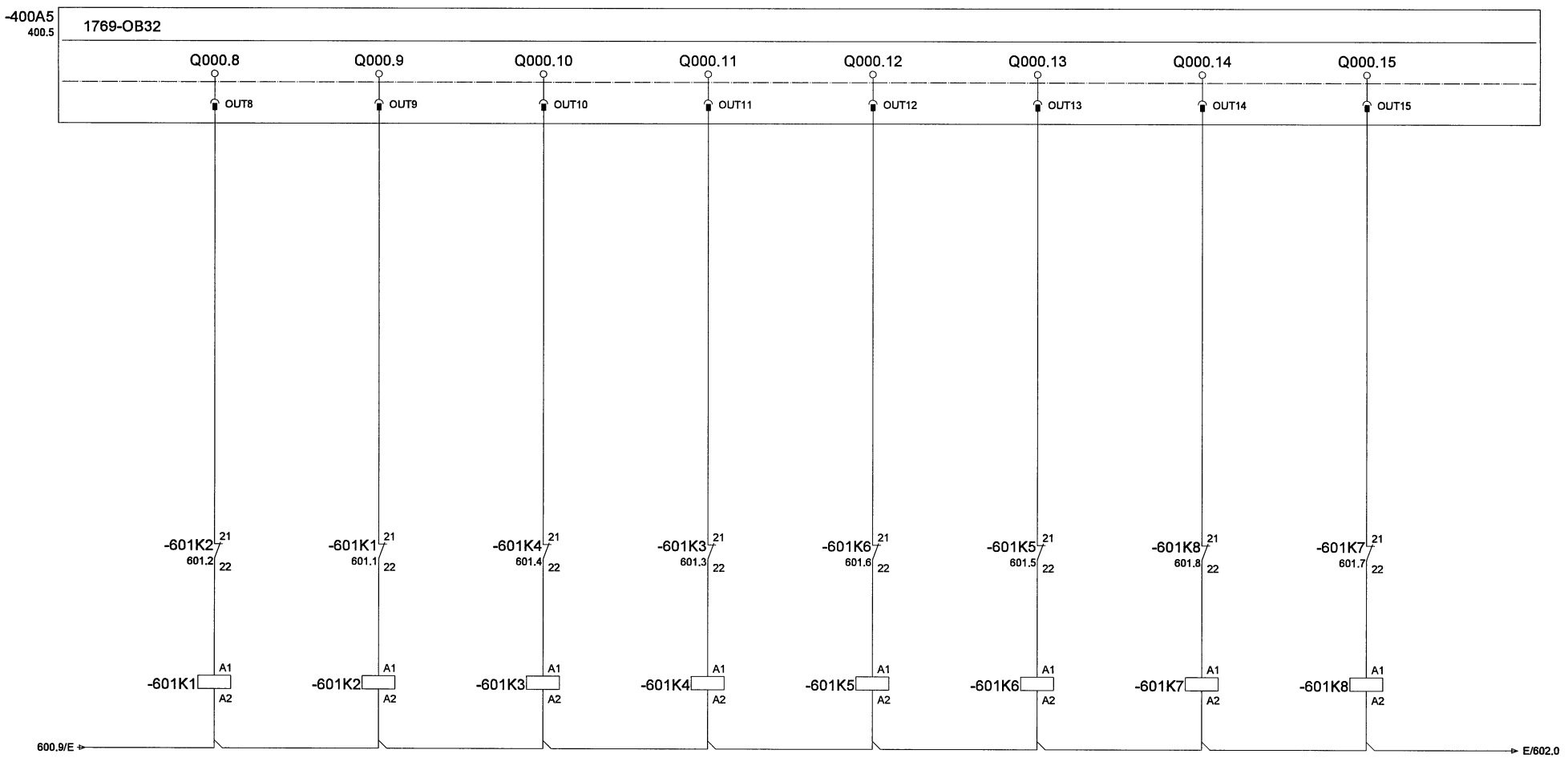
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	600
Subject : PLC Digtal output modules Q000.0 - .7			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



S1 Extruder 1 Sheeting rollers 1=Increase gap	S1 Extruder 1 Sheeting rollers 1=Decrease gap	S1 Extruder 1 Supply roller 1=Increase gap	S1 Extruder 1 Supply roller 1=Decrease gap	S1 Gauging station 1 1=Increase gap left	S1 Gauging station 1 1=Decrease gap left	S1 Gauging station 1 1=Increase gap right	S1 Gauging station 1 1=Decrease gap right
100-M12NZD243S~24VDC 195-MB11	100-M12NZD243S~24VDC 195-MB11	100-M12NZD243S~24VDC 195-MB11	100-M12NZD243S~24VDC 195-MB11	100-M12NZD243S~24VDC 195-MB11	100-M12NZD243S~24VDC 195-MB11	100-M12NZD243S~24VDC 195-MB11	100-M12NZD243S~24VDC 195-MB11
1 – 2 25.1	1 – 2 25.2	1 – 2 25.3	1 – 2 25.4	1 – 2 25.4	1 – 2 25.5	1 – 2 25.6	1 – 2 25.7
3 – 4 25.1	3 – 4 25.2	3 – 4 25.3	3 – 4 25.4	3 – 4 25.5	3 – 4 25.6	3 – 4 25.6	3 – 4 25.7
5 – 6 25.1	5 – 6 25.2	5 – 6 25.3	5 – 6 25.4	5 – 6 25.5	5 – 6 25.6	5 – 6 25.7	5 – 6 25.8
13 – 14	13 – 14	13 – 14	13 – 14	13 – 14	13 – 14	13 – 14	13 – 14
33 – 34	33 – 34	33 – 34	33 – 34	33 – 34	33 – 34	33 – 34	33 – 34
21 – 22 601.2	21 – 22 601.1	21 – 22 601.4	21 – 22 601.3	21 – 22 601.6	21 – 22 601.5	21 – 22 601.8	21 – 22 601.7

600

602

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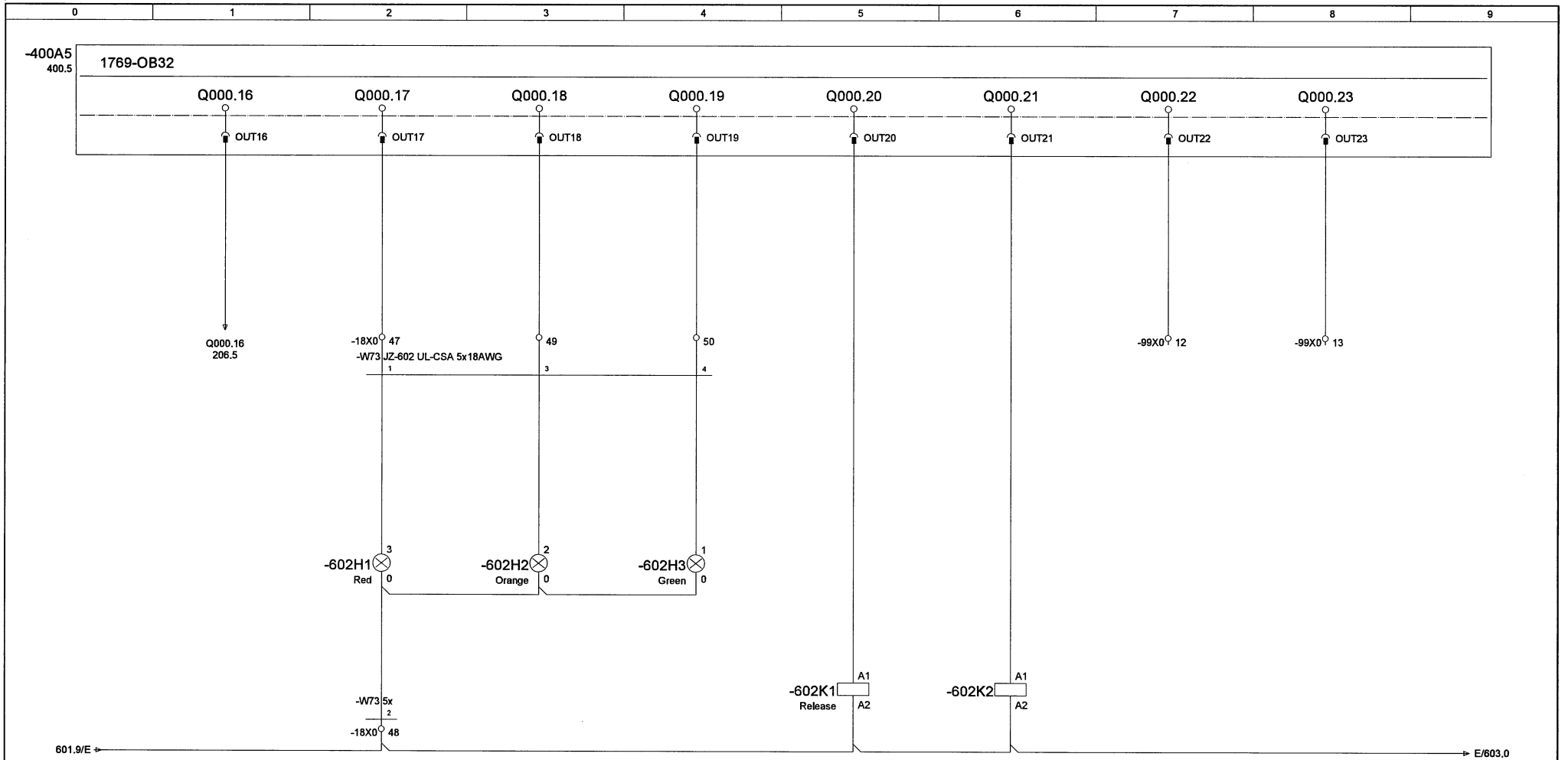
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	601
Subject : PLC Digtal output modules Q000.8 - .15			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



601

603

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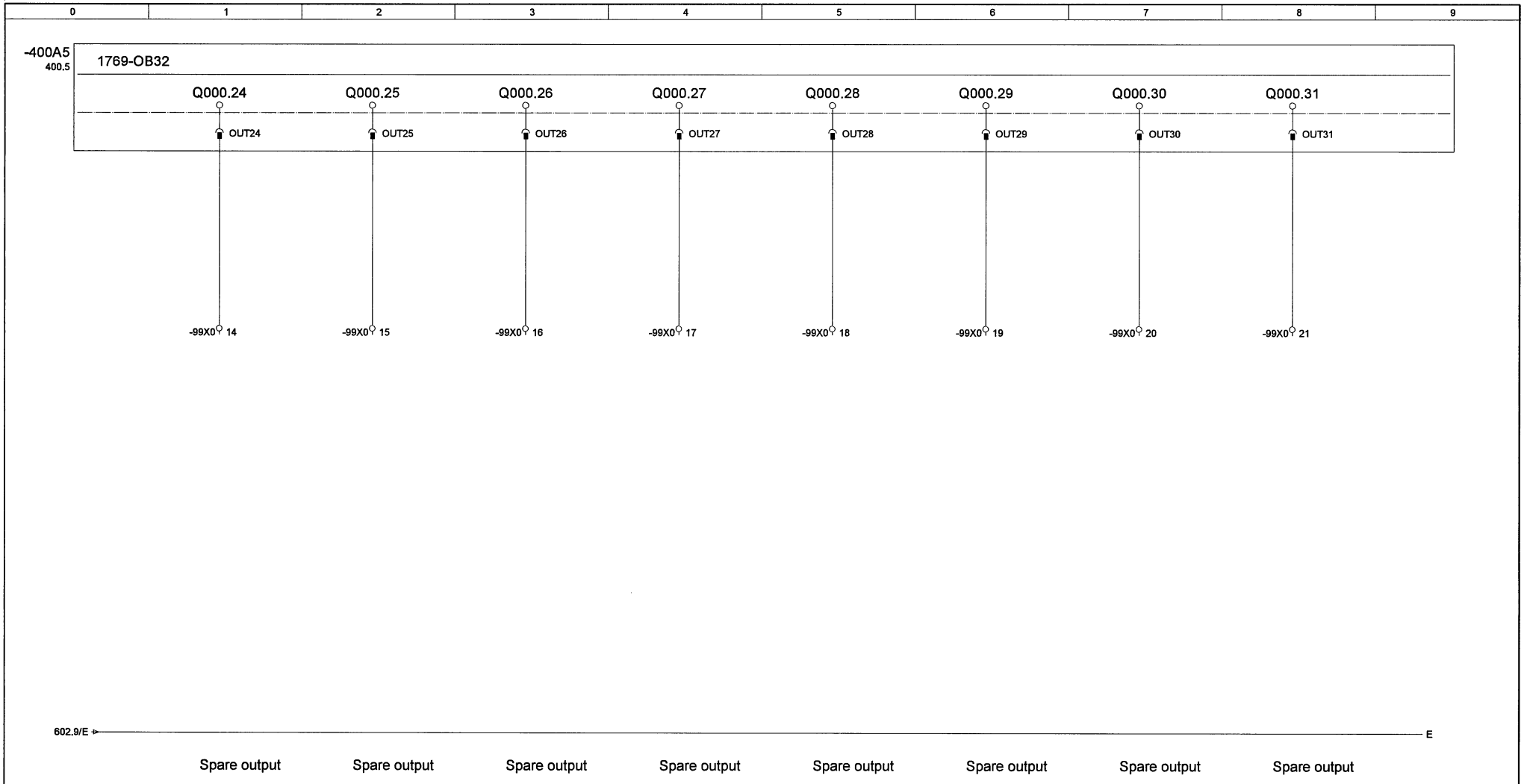
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	602
Subject : PLC Digtal output modules Q000.16 - .17			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



602

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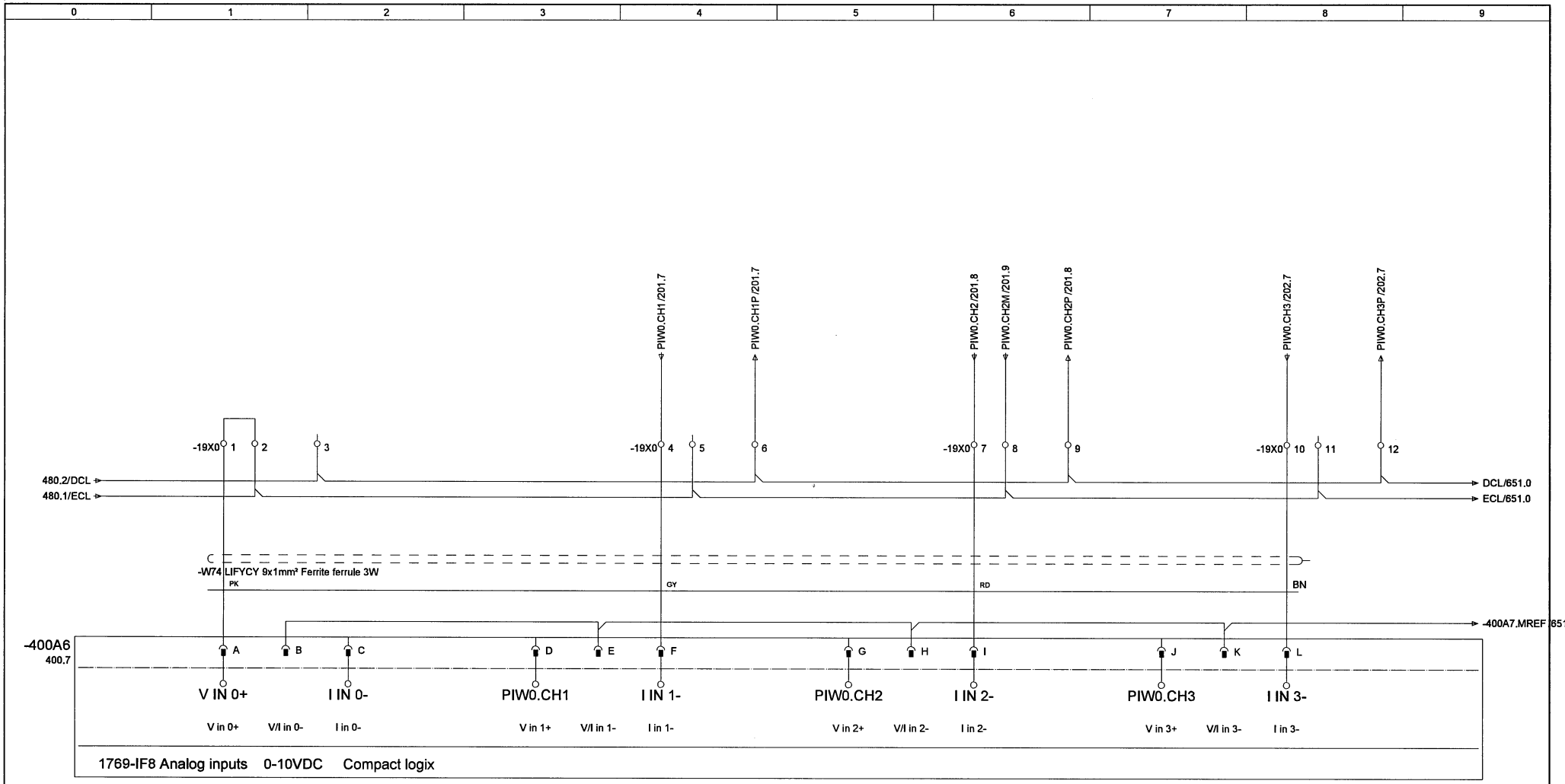
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	603
Subject : PLC Digtal output modules Q000.18			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	



Dough Handling 1
Check 10 Vdc power supply

S1 Extruder 1 Supply roller Gap

S1 Extruder 1
Sheeting rollers Gap

S1 Gauging station 1
left Gap

603

651

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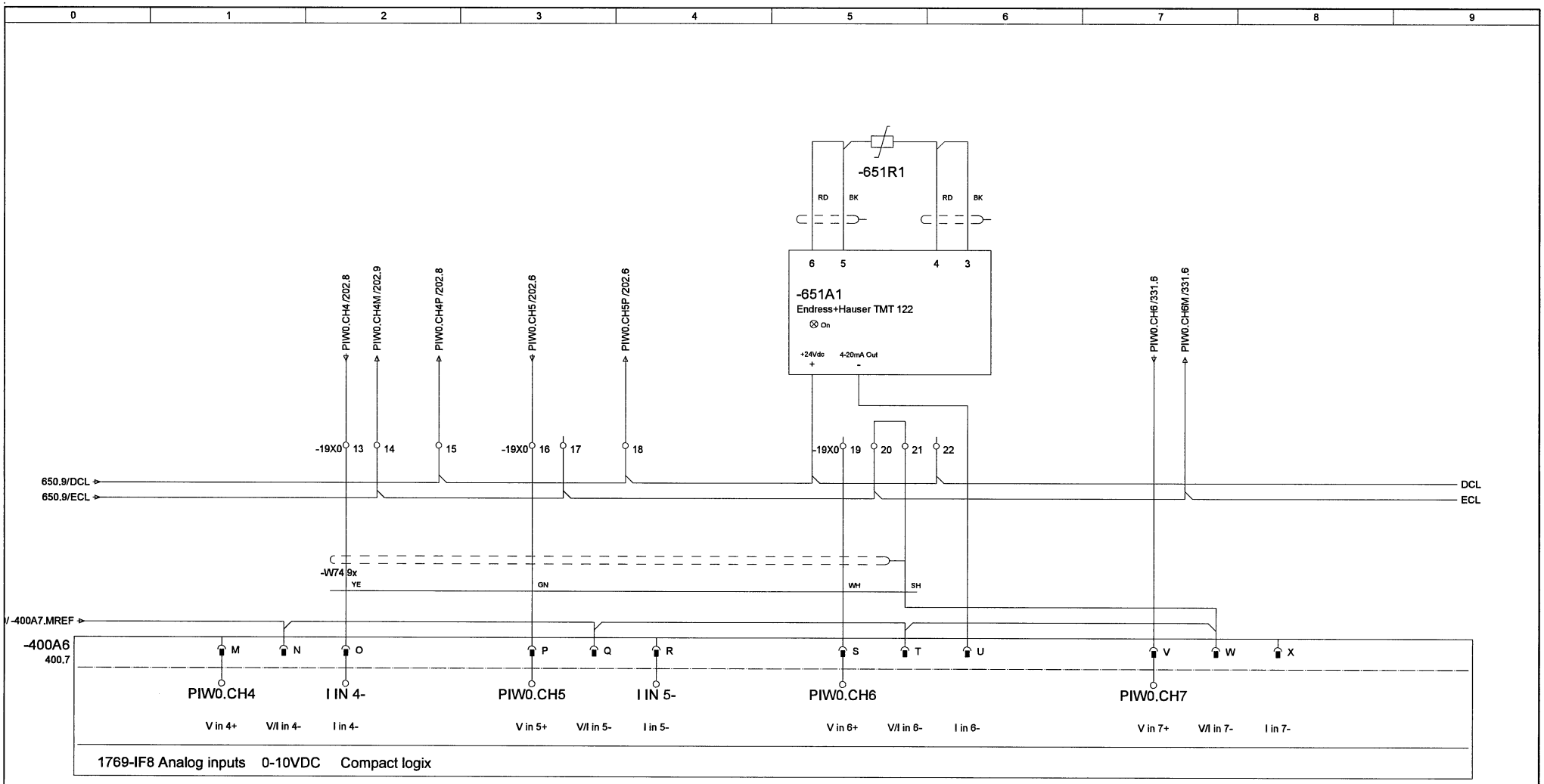
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	650
Subject : PLC Analog input modules			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	



S1 Gauging station 1
right Gap

S1 Gauging station 1
Loop

Process End Module
1=Water Cooling on
Gauging station1

Process End Module
0-10Vdc speed
signal

650

998

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	651
Subject : PLC Analog input modules			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	

0	1	2	3	4	5	6	7	8	9

651

999

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	998
Subject : Spare schematic page for changes			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	HWA	Date change	15.Nov.2005	

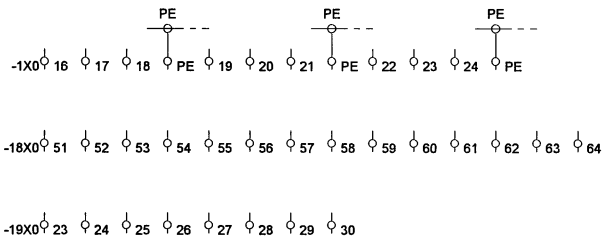
0	1	2	3	4	5	6	7	8	9

Terminalstrip coding

Description	Part code external	Connection								Cable code / Cable type	Terminal number	⏚	wire bridges	Fixed bridge	PLC code	Cable code / Cable type					Connection	Part code internal	Page/ position

998

1000



999

1002

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1000
Subject : Spare terminal & cable wires			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	

0	1	2	3	4	5	6	7	8	9

Main switchboard
0X0=0X0 480V - Terminal strip for power supply connection
1X0=1X0 400V - Terminal strip in Main switchboard
18X0=18X0 24Vdc - Terminal strip in Main switchboard
19X0=19X0 24Vdc clean - Terminal strip in Main switchboard
25X0=25X0 Terminal strip for connections with external line
99X0=99X0 Terminal strip for spare PLC-IO

Operating panel

1000

1003

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1002
Subject : Terminal definitions			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	23.Jun.2009	

0	1	2	3	4	5	6	7	8	9

-1003O1
DUMMY FOR EXTRA PARTS

1002

1004

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1003
Subject : Extra parts			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	07.Mrt.2008	

Terminal strip and connector overview

Terminal strip and connector design	Terminal and connector strip definition	Terminal / connector					Page
		First	Last	Sum PE	Sum N	Sum	
=G+E-0X0	0X0 480V - Terminal strip for power supply connection	L1	PE	1	0	5	=G+E/1005
=G+E-1X0	1X0 400V - Terminal strip in Main switchboard	1	PE	8	0	32	=G+E/1006
=G+E-1XJ4	1XJ4 Freq.controlled RVS 150x150 S1 Dough return conveyor	1	9	2	0	10	=G+E/1007
=G+E-18X0	18X0 24Vdc - Terminal strip in Main switchboard	1	64	0	0	64	=G+E/1008
=G+E-18XJ1	18XJ1 24Vdc CA-230 S1 Extruder 1	1	16	0	0	16	=G+E/1009
=G+E-18XJ2	18XJ2 24Vdc CA-230 S1 Gauging station	1	12	0	0	12	=G+E/1010
=G+E-18XJ3	18XJ3 24Vdc CA-105 S1 Rotary cutter	1	4	0	0	4	=G+E/1011
=G+E-18XJ4	18XJ4 24Vdc RVS 150x150 S1 Dough return conveyor	1	4	0	0	4	=G+E/1012
=G+E-18XJ5	18XJ5 24Vdc CA-150 S1 Decoration roller 1	1	8	0	0	8	=G+E/1013
=G+E-18XJ6	18XJ6 24Vdc CA-230 S1 Transfer belt 1	1	16	0	0	16	=G+E/1014
=G+E-19X0	19X0 24Vdc clean - Terminal strip in Main switchboard	1	30	0	0	30	=G+E/1015
=G+E-19XJ1	19XJ1 24Vdc clean CA-230 S1 Extruder 1	1	6	0	0	6	=G+E/1016
=G+E-19XJ2	19XJ2 24Vdc clean CA-230 S1 Gauging station	1	9	0	0	9	=G+E/1017
=G+E-25X0	25X0 Terminal strip for connections with external line	1	14	0	0	14	=G+E/1018
=G+E-99X0	99X0 Terminal strip for spare PLC-IO	1	21	0	0	21	

1003

1005

Terminalstrip coding

=G+E-0X0

Description	Part code external	Connection	Cable code	Cable type	Terminal number	wire bridges	Fixed bridge	Cable code	Cable type	Connection	Part code internal	Page/position
Power supply 3x480 + Pe - 60Hz					L1					L1	-2Q1	/2.0
=					L2					L2	-2Q1	/2.0
=					L3					L3	-2Q1	/2.1
=					N							/2.1
=					PE							/2.1

1004

1006

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr. 719395
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev. D
Subject : 0X0 480V - Terminal strip for power supply connection			Drawn by	WBA	Date 24.Jan.2008
			Change	WBA	Date change 24.Jun.2009

Page 1005 Accoord

Terminalstrip coding

=G+E-1X0

Description	Part code external	Connection				=G+E-W5 JZ-602 UL-CSA 4x16AWG	=G+E-W4 JZ-602 UL-CSA 4x16AWG	=G+E-W3 JZ-602 UL-CSA 4x16AWG	=G+E-W2 JZ-602 UL-CSA 4x16AWG	=G+E-W1 JZ-602 UL-CSA 4x16AWG	Cable code Cable type	Terminal number	wire bridges	Fixed bridge	Cable code Cable type						Connection	Part code internal	Page/position
Fan main swichboard	-4M1	U								1		1									2	-345K2	/4.8
=	-4M1	V								2		2									4	-345K2	/4.8
=	-4M1	W								3		3									6	-345K2	/4.8
=	-4M1	PE								GNYE		PE											/4.8
S1 Extruder 1 Gap adjustment Sheeting rollers	-25M1	U							1			4									2	-601K1	/25.1
=	-25M1	V							2			5									4	-601K1	/25.1
=	-25M1	W							3			6									6	-601K1	/25.1
=	-25M1	PE							GNYE			PE											/25.1
S1 Extruder 1 Gap adjustment Supply rollers	-25M2	U						1				7									2	-601K3	/25.3
=	-25M2	V						3				8									4	-601K3	/25.3
=	-25M2	W						2				9									6	-601K3	/25.3
=	-25M2	PE						GNYE				PE											/25.3
S1 Gauging station 1 Gap adjustment left	-25M3	U					1					10									2	-601K5	/25.4
=	-25M3	V					2					11									4	-601K5	/25.5
=	-25M3	W					3					12									6	-601K5	/25.5
=	-25M3	PE					GNYE					PE											/25.5
S1 Gauging station 1 Gap adjustment right	-25M4	U				1						13									2	-601K7	/25.6
=	-25M4	V				3						14									4	-601K7	/25.6
=	-25M4	W				2						15									6	-601K7	/25.7
=	-25M4	PE				GNYE						PE											/25.7
												16											/1000.0

1005

1006.1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1006
Subject : 1X0 400V - Terminal strip in Main switchboard			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	

Terminalstrip coding

=G+E-1X0

Description	Part code external	Connection	Cable code	Cable type	Terminal number	wire bridges	Fixed bridge	Cable type	Cable code	Connection	Part code internal	Page/position
					17							/1000.0
					18							/1000.0
					PE							/1000.1
					19							/1000.1
					20							/1000.1
					21							/1000.1
					PE							/1000.1
					22							/1000.2
					23							/1000.2
					24							/1000.2
					PE							/1000.2

1006

1007

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr. 719395
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev. D
Subject :	1X0 400V - Terminal strip in Main switchboard		Drawn by	WBA	Date 24.Jan.2008
			Change	WBA	Date change 24.Jun.2009

Page 1006.1
Accoord

Terminalstrip coding

=G+E-1XJ4

Description	Part code external	Connection	=G+E-W54 JZ-602-CY UL-CSA 5x16AWG	=G+E-W53 JZ-602-CY UL-CSA 5x16AWG	Cable code / Cable type	Terminal number	wire bridges	Fixed bridge	Cable code / Cable type	=G+E-W52 JZ-602-CY UL-CSA 5x16AWG	Connection	Part code internal	Page/position
S1 Dough return conveyor	-204M1	U		1		1				1	2	-71K1	/204.1
=	-204M1	V		2		2				2	4	-71K1	/204.1
=	-204M1	W		3		3				3	6	-71K1	/204.1
=	-204M1			GNYE		PE				GNYE	_1	-71PE1	/204.1
=	-204M1			SH		4				SH	_1	-71SH1	/204.1
S1 Dough return cross belt 1	-204M2		1			5							/204.2
=	-204M2		2			6							/204.2
=	-204M2		3			7							/204.2
=	-204M2		GNYE			8							/204.3
=	-204M2		SH			9							/204.3

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	1XJ4 Freq.controlled RVS 150x150 S1 Dough return conveyor		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

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Accoord

Terminalstrip coding

=G+E-18X0

Description	Part code external	Connection	=G+E-W29 JZ-602 UL-CSA 3x18AWG	=G+E-W26 JZ-602 UL-CSA 3x18AWG	=G+E-W22 JZ-602 UL-CSA 3x18AWG	=G+E-W19 JZ-602 UL-CSA 3x18AWG	=G+E-W16 JZ-602 UL-CSA 3x18AWG	=G+E-W13 JZ-602 UL-CSA 3x18AWG	=G+E-W10 JZ-602 UL-CSA 3x18AWG	=G+E-W7 JZ-602 UL-CSA 3x18AWG	Cable code / Cable type	Terminal number	wire bridges	Fixed bridge	Cable code / Cable type	Connection	Part code internal	Page/position
S1 Extruder 1 sheeting rollers	-65M1	1a								1		1				9	-65U1	/65.2
=	-65M1	2a								2		2				5	-65U1	/65.3
S1 Extruder 1 supply roller	-66M1	1a							1			3				9	-66U1	/66.2
=	-66M1	2a							2			4				5	-66U1	/66.3
S1 Gauging station 1 supply belt	-67M1	1a						1				5				9	-67U1	/67.2
=	-67M1	2a						2				6				5	-67U1	/67.3
S1 Gauging station 1 upper roller	-68M1	1a					1					7				9	-68U1	/68.2
=	-68M1	2a					2					8				5	-68U1	/68.3
S1 Gauging station 1 lower roller	-69M1	1a				1						9				9	-69U1	/69.2
=	-69M1	2a				2						10				5	-69U1	/69.3
S1 Rotary cutter 1	-70M1	1a			1							11				9	-70U1	/70.2
=	-70M1	2a			2							12				5	-70U1	/70.3
S1 Rotary cutter 2	-73M1	1a		1								13				9	-73U1	/73.2
=	-73M1	2a		2								14				5	-73U1	/73.3
S1 Main conveyor 1	-74M1	1a	1									15				9	-74U1	/74.2
=	-74M1	2a	2									16				5	-74U1	/74.3

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	18X0 24Vdc - Terminal strip in Main switchboard		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

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Accoord

Terminalstrip coding

=G+E-18X0

Description	Part code external	Connection		=G+E-W61 JZ-802 UL-CSA 5x18AWG	=G+E-W58 JZ-802 UL-CSA 5x16AWG	=G+E-W55 JZ-802 UL-CSA 3x18AWG	=G+E-W50 JZ-802 UL-CSA 5x16AWG	=G+E-W42 JZ-802 UL-CSA 5x18AWG	=G+E-W34 JZ-802 UL-CSA 5x18AWG	=G+E-W32 JZ-802 UL-CSA 3x18AWG	Cable code / Cable type	Terminal number		wire bridges	Fixed bridge	Cable code / Cable type	Connection	Part code internal	Page/position
S1 Transfer belt 1	-75M1	1a								1		17					9	-75U1	/75.2
=	-75M1	2a								2		18					5	-75U1	/75.3
S1 Extruder 1 1 = Safety cover open upstream	-18XJ1	1							1			19					2	-4F6	/201.1
=	-18XJ1	3							2			20					2	-4F2	/201.1
=	-18XJ1	4							3			21					IN7	-400A4	/201.1
S1 Extruder 1 1 = door open right	-18XJ1	14							4			22							/201.5
S1 Gauging station 1 1 = Safety cover open	-18XJ2	1						1				23							/202.0
=	-18XJ2	3						2				24							/202.1
=	-18XJ2	4						3				25					IN8	-400A4	/202.1
S1 Gauging station 1 1 = door open right	-18XJ2	10						4				26							/202.3
S1 Rotary cutter 1 1 = Safety cover open	-18XJ3	1					1					27							/203.1
=	-18XJ3	2					2					28							/203.1
=	-18XJ3	3					3					29							/203.1
=	-18XJ3	4					4					30					IN9	-400A4	/203.1
S1 Dough return conveyor	-18XJ4	1				1						31					9	-71U1	/204.4
=	-18XJ4	4				2						32					5	-71U1	/204.4
S1 Rotary cutter 2 1 = Safety cover open upstream	-18XJ5	1			1							33							/205.1
=	-18XJ5	3			2							34							/205.1
=	-18XJ5	4			3							35					IN10	-400A4	/205.1
S1 Rotary cutter 2 1 = Safety cover open downstream	-18XJ5	6			4							36					A1	-375K1	/205.2
S1 Transfer belt 1 Belt steering	-18XJ6	1		1								37					6	-25X0	/206.1

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	18X0 24Vdc - Terminal strip in Main switchboard		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

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Accoord

Terminalstrip coding

=G+E-18X0

Description	Part code external	Connection	=G+E-W73 JZ-602 UL-CSA 5x18AWG	=G+E-W72 JZ-602 UL-CSA 3x18AWG	=G+E-W61 JZ-602 UL-CSA 5x18AWG	Cable code Cable type	Terminal number	wire bridges	Fixed bridge	Cable code Cable type	Connection	Part code internal	Page/position
S1 Transfer belt 1 Belt steering	-18XJ6	3			2		38				A2	-75K1	/206.1
Dough Handling 1 1=Pressure present	-18XJ6	14			3		39				IN4	-400A4	/206.5
S1 Transfer belt 1 1=nose open	-18XJ6	15			4		40				OUT16	-400A5	/206.5
E-stop Spare							41				22	-370S1	/370.2
=							42				A1	-370K1	/370.2
=							43				13	-370S1	/370.2
=							44						/370.2
S1 Horn 1	-600H1			1			45				14	-600K3	/600.8
=	-600H1			2			46					-600P1	/600.8
Stacklight 1 1 =Red; flash => reset poss.; steady =>alarm reset not poss.	-602H1	3	1				47				OUT17	-400A5	/602.2
=	-602H1	0	2				48				A2	-601K8	/602.2
Stacklight 1 1 = Orange; steady => warning present	-602H2	2	3				49				OUT18	-400A5	/602.3
Stacklight 1 1 = Green; flash =>home , jog, stop,standby; steady =>run	-602H3	1	4				50				OUT19	-400A5	/602.4
							51						/1000.0
							52						/1000.0
							53						/1000.0
							54						/1000.1
							55						/1000.1
							56						/1000.1
							57						/1000.1
							58						/1000.1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr. 719395
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev. D
Subject :	18X0 24Vdc - Terminal strip in Main switchboard		Drawn by	WBA	Date 24.Jan.2008
			Change	WBA	Date change 24.Jun.2009

Terminalstrip coding

=G+E-18X0

Description	Part code external	Connection	Cable code	Cable type	Terminal number	wire bridges	Fixed bridge	Cable type	Cable code	Connection	Part code internal	Page/position
					59							/1000.2
					60							/1000.2
					61							/1000.2
					62							/1000.2
					63							/1000.2
					64							/1000.3

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1008.3
Subject : 18X0 24Vdc - Terminal strip in Main switchboard			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	

Terminalstrip coding

=G+E-18XJ1

Description	Part code external	Connection	=G+E-W38 JZ-602 UL-CSA 5x18AWG	=G+E-W37 JZ-602 UL-CSA 5x18AWG	=G+E-W36 JZ-602 UL-CSA 5x18AWG	=G+E-W35 JZ-602 UL-CSA 5x18AWG	Cable code / Cable type	Terminal number	wire bridges / Fixed bridge	Cable code / Cable type	=G+E-W24 JZ-602 UL-CSA 5x18AWG	Connection	Part code internal	Page/position
S1 Extruder 1 1 = Safety cover open upstream	-201S1	21				1		1			1	19	-18X0	/201.1
=	-201S1	22				2		2						/201.1
=	-201S1	13				3		3			2	20	-18X0	/201.1
=	-201S1	14				4		4			3	21	-18X0	/201.1
S1 Extruder 1 1 = Safety cover open downstream	-201S2	21			1			5						/201.2
=	-201S2	22			2			6						/201.2
=	-201S2	13			3			7						/201.2
=	-201S2	14			4			8						/201.3
S1 Extruder 1 1 = door open left	-201S3	11		1				9						/201.3
=	-201S3	12		2				10						/201.3
=	-201S3	33		3				11						/201.4
=	-201S3	34		4				12						/201.4
S1 Extruder 1 1 = door open right	-201S4	11	1					13						/201.5
=	-201S4	12	2					14			4	22	-18X0	/201.5
=	-201S4	33	3					15						/201.5
=	-201S4	34	4					16						/201.5

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	18XJ1 24Vdc CA-230 S1 Extruder 1		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

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Terminalstrip coding

=G+E-18XJ2

Description	Part code external	Connection	=G+E-W45 JZ-602 UL-CSA 5x18AWG	=G+E-W44 JZ-602 UL-CSA 5x18AWG	=G+E-W43 JZ-602 UL-CSA 5x18AWG	Cable code / Cable type	Terminal number	wire bridges	Fixed bridge	Cable code / Cable type	=G+E-W42 JZ-602 UL-CSA 5x18AWG	Connection	Part code internal	Page/position
S1 Gauging station 1 1 = Safety cover open	-202S1	21			1		1				1	23	-18X0	/202.0
=	-202S1	22			2		2							/202.1
=	-202S1	13			3		3				2	24	-18X0	/202.1
=	-202S1	14			4		4				3	25	-18X0	/202.1
S1 Gauging station 1 1 = door open left	-202S2	11		1			5							/202.2
=	-202S2	12		2			6							/202.2
=	-202S2	33		3			7							/202.2
=	-202S2	34		4			8							/202.2
S1 Gauging station 1 1 = door open right	-202S3	11	1				9							/202.3
=	-202S3	12	2				10				4	26	-18X0	/202.3
=	-202S3	33	3				11							/202.3
=	-202S3	34	4				12							/202.4

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject:	18XJ2 24Vdc CA-230 S1 Gauging station		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

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Terminalstrip coding

=G+E-18XJ3

Description	Part code external	Connection	=G+E-W51	Cable code	Terminal number	wire bridges	Fixed bridge	Cable code	=G+E-W50	Connection	Part code internal	Page/position
			FB+WK4 4x0.5mm²	Cable type				Cable type	JZ-602 UL-CSA 5x16AWG			
S1 Rotary cutter 1 1 = Safety cover open	-203S1	BN	BN		1				1	27	-18X0	/203.1
=	-203S1	BU	BU		2				2	28	-18X0	/203.1
=	-203S1	BK	BK		3				3	29	-18X0	/203.1
=	-203S1	WH	WH		4				4	30	-18X0	/203.1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1011
Subject : 18XJ3 24Vdc CA-105 S1 Rotary cutter			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	

Terminalstrip coding

=G+E-18XJ4

Description	Part code external	Connection	=G+E-W57	=G+E-W56	Cable code	Terminal number	wire bridges	Fixed bridge	Cable code	=G+E-W55	Connection	Part code internal	Page/position
			JZ-602 UL-CSA 3x18AWG	JZ-602 UL-CSA 3x18AWG	Cable type				Cable type	JZ-602 UL-CSA 3x18AWG			
S1 Dough return conveyor	-204M1	TH		1		1				1	31	-18X0	/204.4
=	-204M1	TH		2		2							/204.4
S1 Dough return cross belt 1	-204M2	TH	1			3							/204.5
=	-204M2	TH	2			4				2	32	-18X0	/204.5

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1012
Subject :			Drawn by	WBA	Date	24.Jan.2008	Accoord
18XJ4 24Vdc RVS 150x150 S1 Dough return conveyor			Change	WBA	Date change	24.Jun.2009	

Terminalstrip coding

=G+E-18XJ5

Description	Part code external	Connection	=G+E-W60 JZ-602 UL-CSA 5x16AWG	=G+E-W59 JZ-602 UL-CSA 5x16AWG	Cable code Cable type	Terminal number	wire bridges Fixed bridge	Cable code Cable type	=G+E-W58 JZ-602 UL-CSA 5x16AWG	Connection	Part code internal	Page/position
S1 Rotary cutter 2 1 = Safety cover open upstream	-205S1	21		1		1			1	33	-18X0	/205.1
=	-205S1	22		2		2						/205.1
=	-205S1	13		3		3			2	34	-18X0	/205.1
=	-205S1	14		4		4			3	35	-18X0	/205.1
S1 Rotary cutter 2 1 = Safety cover open downstream	-205S2	21	1			5						/205.2
=	-205S2	22	2			6			4	36	-18X0	/205.2
=	-205S2	13	3			7						/205.2
=	-205S2	14	4			8						/205.2

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	18XJ5 24Vdc CA-150 S1 Decoration roller 1		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

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Terminalstrip coding

=G+E-18XJ6

Description	Part code external	Connection	=G+E-W67 KMEB-1 3x0.34mm²	=G+E-W66 JZ-602 UL-CSA 3x18AWG	=G+E-W65 FB-MK4 4x0.5mm²	=G+E-W64 KMEB-1 3x0.34mm²	=G+E-W63 KMEB-1 3x0.34mm²	=G+E-W62 FB-MK4 4x0.5mm²	Cable code / Cable type	Terminal number	wire bridges / Fixed bridge	Cable code / Cable type	=G+E-W61 JZ-602 UL-CSA 5x18AWG	Connection	Part code internal	Page/position
S1 Transfer belt 1 Belt steering	-206S1	BN						BN		1			1	37	-18X0	/206.1
=	-206S1	BK						BK		2						/206.1
=	-206S1	BU						BU		3			2	38	-18X0	/206.1
=	-206S1	WH						WH		4						/206.1
=	+A1-2Y1	X1					1			5						/206.2
=	+A1-2Y1	X2					2			6						/206.2
=	+A1-2Y2	X1				1				7						/206.2
=	+A1-2Y2	X2				2				8						/206.3
=	-206S2	BN			BN					9						/206.3
=	-206S2	BK			BK					10						/206.3
=	-206S2	BU			BU					11						/206.4
=	-206S2	WH			WH					12						/206.4
Dough Handling 1 1=Pressure present	+A1-2S1	1		1						13						/206.4
=	+A1-2S1	3		2						14			3	39	-18X0	/206.5
S1 Transfer belt 1 1=nose open	+A1-2Y3	X1	1							15			4	40	-18X0	/206.5
=	+A1-2Y3	X2	2							16						/206.6

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr. 719395
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev. D
Subject :	18XJ6 24Vdc CA-230 S1 Transfer belt 1		Drawn by	WBA	Date 24.Jan.2008
			Change	WBA	Date change 24.Jun.2009

Page 1014 Accoord

Terminalstrip coding

=G+E-19X0

Description	Part code external	Connection	=G+E-W46	=G+E-W39	Cable code	Terminal number	wire bridges	Fixed bridge	Cable code	=G+E-W74	Connection	Part code internal	Page/position
			LiYCY 9x0.5mm²	LiYCY 9x0.5mm²	Cable type				Cable type	LiFYCY 8x1mm²			
Dough Handling 1 Check 10 Vdc power supply						1				PK	A	-400A6	/650.1
=						2					V(-)	-400A2	/650.1
=						3					V(+)	-400A2	/650.2
S1 Extruder 1 Supply roller Gap	-19XJ1	2		GY		4				GY	F	-400A6	/650.4
=						5							/650.4
=	-19XJ1	1		PK		6							/650.4
S1 Extruder 1 Sheeting rollers Gap	-19XJ1	5		WH		7				RD	I	-400A6	/650.6
=	-19XJ1	6		SH		8							/650.6
=	-19XJ1	4		BN		9							/650.6
S1 Gauging station 1 left Gap	-19XJ2	5	WH			10				BN	L	-400A6	/650.8
=						11							/650.8
=	-19XJ2	4	BN			12							/650.8
S1 Gauging station 1 right Gap	-19XJ2	8	GN			13				YE	O	-400A6	/651.2
=	-19XJ2	9	SH			14							/651.2
=	-19XJ2	7	BU			15							/651.2
S1 Gauging station 1 Loop	-19XJ2	2	GY			16				GN	P	-400A6	/651.3
=						17							/651.3
=	-19XJ2	1	PK			18							/651.4
Process End Module 1=Water Cooling on Gauging station1	-651A1	+				19				WH	S	-400A6	/651.5
=						20					9	-331A1	/651.5
=						21				SH	W	-400A6	/651.5

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1015
Subject : 19X0 24Vdc clean - Terminal strip in Main switchboard			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	

Terminalstrip coding

=G+E-19X0

Description	Part code external	Connection	Cable code	Cable type	Terminal number	wire bridges	Fixed bridge	Cable type	Cable code	Connection	Part code internal	Page/position
Process End Module 1=Water Cooling on Gauging station1					22						-DCL	/651.6
					23							/1000.0
					24							/1000.0
					25							/1000.0
					26							/1000.1
					27							/1000.1
					28							/1000.1
					29							/1000.1
					30							/1000.1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr. 719395
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev. D
Subject : 19X0 24Vdc clean - Terminal strip in Main switchboard			Drawn by	WBA	Date 24.Jan.2008
			Change	WBA	Date change 24.Jun.2009

Page 1015.1
Accoord

Terminalstrip coding

=G+E-19XJ1

Description	Part code external	Connection	=G+E-W41 LiYCY 3x0.5mm²	=G+E-W40 LiYCY 3x0.5mm²	Cable code Cable type	Terminal number	wire bridges	Fixed bridge	Cable code Cable type	=G+E-W39 LiYCY 9x0.5mm²	Connection	Part code internal	Page/position
S1 Extruder 1 Supply roller Gap	-201S5	E		WH		1				PK	6	-19X0	/201.7
=	-201S5	F		BN		2				GY	4	-19X0	/201.7
=	-201S5	SH		SH		3							/201.8
S1 Extruder 1 Sheeting rollers Gap	-201S6	E	WH			4				BN	9	-19X0	/201.8
=	-201S6	F	BN			5				WH	7	-19X0	/201.8
=	-201S6	SH	SH			6				SH	8	-19X0	/201.9

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	19XJ1 24Vdc clean CA-230 S1 Extruder 1		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

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Accoord

Terminalstrip coding

=G+E-19XJ2

Description	Part code external	Connection	=G+E-W49 LiYCY 3x0.5mm²	=G+E-W48 LiYCY 3x0.5mm²	=G+E-W47 FB-MMK4 4x0.34mm²	Cable code	Cable type	Terminal number	wire bridges	Fixed bridge	Cable code	Cable type	=G+E-W46 LiYCY 9x0.5mm²	Connection	Part code internal	Page/position
S1 Gauging station 1 Loop	-202S4	BN			BN			1					PK	18	-19X0	/202.6
=	-202S4	BK			BK			2					GY	16	-19X0	/202.6
=	-202S4	BU			BU			3								/202.6
S1 Gauging station 1 left Gap	-202S5	E		WH				4					BN	12	-19X0	/202.7
=	-202S5	F		BN				5					WH	10	-19X0	/202.7
=	-202S5	SH		SH				6								/202.8
S1 Gauging station 1 right Gap	-202S6	E	WH					7					BU	15	-19X0	/202.8
=	-202S6	F	BN					8					GN	13	-19X0	/202.8
=	-202S6	SH	SH					9					SH	14	-19X0	/202.9

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject:	19XJ2 24Vdc clean CA-230 S1 Gauging station		

Proj. nr.	7193	Sub.proj.nr.	719395	Page	1017
Drawing number	0010000.21844	Rev.	D		
Drawn by	WBA	Date	24.Jan.2008	Accoord	
Change	WBA	Date change	24.Jun.2009		

Terminalstrip coding

=G+E-25X0

Description	Part code external	Connection	=G+E-W68	Cable code	Terminal number	wire bridges	Fixed bridge	Cable code	Connection	Part code internal	Page/position
			LiYCY 3x0.5mm²	Cable type				Cable type			
					1				11	-600K1	/330.0
Process Begin Module 1=Ready to receive dough for upstream process					2				14	-600K1	/330.1
=					3				11	-602K2	/330.2
Process Begin Module Output spare 1					4				14	-602K2	/330.2
=					5						/330.3
+24Vdc					6		●		37	-18X0	/331.0
=					7		●				/331.1
Process End Module 1=Run from downstream process					8				IN2	-400A4	/331.1
Process End Module 1=Water Cooling on Gauging station1					9				IN3	-400A4	/331.2
=					10				11	-600K2	/331.3
Process End Module output spare 1					11				14	-600K2	/331.3
=					12						/331.4
Process End Module Speed signal 1	-331O1	J	WH		13				1	-331A1	/331.6
=	-331O1	K	BN		14				2	-331A1	/331.6

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Customer	Food Systems Design	= G	
Project name	Sheeting System	+ E	
Subject :	25X0 Terminal strip for connections with external line		

Proj. nr.	7193	Sub.proj.nr.	719395
Drawing number	0010000.21844	Rev.	D
Drawn by	WBA	Date	24.Jan.2008
Change	WBA	Date change	24.Jun.2009

Page 1018
Accoord

Cable view

Cable code	From	To	Cable type	Total Cores	Used Cores	Not used Cores	Diameter mm² / AWG	Length m	Remarks	Graphics Page
=G+E-W1	-1X0	-4M1	JZ-602 UL-CSA	4/PE	4/PE	0	16	-	Fan main swichboard	
=G+E-W2	-1X0	-25M1	JZ-602 UL-CSA	4/PE	4/PE	0	16	-	S1 Extruder 1 Gap adjustment Sheeting rollers	
=G+E-W3	-1X0	-25M2	JZ-602 UL-CSA	4/PE	4/PE	0	16	-	S1 Extruder 1 Gap adjustment Supply rollers	
=G+E-W4	-1X0	-25M3	JZ-602 UL-CSA	4/PE	4/PE	0	16	-	S1 Gauging station 1 Gap adjustment left	
=G+E-W5	-1X0	-25M4	JZ-602 UL-CSA	4/PE	4/PE	0	16	-	S1 Gauging station 1 Gap adjustment right	
=G+E-W6			JZ-602-CY UL-CSA	5/PE	5/PE	0	12	-	S1 Extruder 1 sheeting rollers	
	-65K1	-65M1		5/PE	3		12		S1 Extruder 1 sheeting rollers	
	-65PE1	-65M1		5/PE	1/PE		12		S1 Extruder 1 sheeting rollers	
	-65SH1	-65M1		5/PE	1		12		S1 Extruder 1 sheeting rollers	
=G+E-W7	-18X0	-65M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Extruder 1 sheeting rollers	
=G+E-W8	-65U1-X1	-66U1-X1	DeviceNet	5	5	0	-	-	S1 Extruder 1 sheeting rollers	
=G+E-W9			JZ-602-CY UL-CSA	5/PE	5/PE	0	12	-	S1 Extruder 1 supply roller	
	-66K1	-66M1		5/PE	3		12		S1 Extruder 1 supply roller	
	-66PE1	-66M1		5/PE	1/PE		12		S1 Extruder 1 supply roller	
	-66SH1	-66M1		5/PE	1		12		S1 Extruder 1 supply roller	
=G+E-W10	-18X0	-66M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Extruder 1 supply roller	
=G+E-W11	-66U1-X1	-67U1-X1	DeviceNet	5	5	0	-	-	S1 Extruder 1 supply roller	
=G+E-W12			JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Gauging station 1 supply belt	
	-67K1	-67M1		5/PE	3		16		S1 Gauging station 1 supply belt	
	-67PE1	-67M1		5/PE	1/PE		16		S1 Gauging station 1 supply belt	
	-67SH1	-67M1		5/PE	1		16		S1 Gauging station 1 supply belt	
=G+E-W13	-18X0	-67M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Gauging station 1 supply belt	
=G+E-W14	-67U1-X1	-68U1-X1	DeviceNet	5	5	0	-	-	S1 Gauging station 1 supply belt	
=G+E-W15			JZ-602-CY UL-CSA	5/PE	5/PE	0	12	-	S1 Gauging station 1 upper roller	
	-68K1	-68M1		5/PE	3		12		S1 Gauging station 1 upper roller	
	-68PE1	-68M1		5/PE	1/PE		12		S1 Gauging station 1 upper roller	
	-68SH1	-68M1		5/PE	1		12		S1 Gauging station 1 upper roller	
=G+E-W16	-18X0	-68M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Gauging station 1 upper roller	
=G+E-W17	-68U1-X1	-69U1-X1	DeviceNet	5	5	0	-	-	S1 Gauging station 1 upper roller	
=G+E-W18			JZ-602-CY UL-CSA	5/PE	5/PE	0	12	-	S1 Gauging station 1 lower roller	
	-69K1	-69M1		5/PE	3		12		S1 Gauging station 1 lower roller	
	-69PE1	-69M1		5/PE	1/PE		12		S1 Gauging station 1 lower roller	
	-69SH1	-69M1		5/PE	1		12		S1 Gauging station 1 lower roller	
=G+E-W19	-18X0	-69M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Gauging station 1 lower roller	
=G+E-W20	-69U1-X1	-70U1-X1	DeviceNet	5	5	0	-	-	S1 Gauging station 1 lower roller	

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1019.1

Cable view

Cable code	From	To	Cable type	Total Cores	Used Cores	Not used Cores	Diameter mm² / AWG	Length m	Remarks	Graphics Page
=G+E-W21			JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Rotary cutter 1	
	-70K1	-70M1		5/PE	3		16		S1 Rotary cutter 1	
	-70PE1	-70M1		5/PE	1/PE		16		S1 Rotary cutter 1	
	-70SH1	-70M1		5/PE	1		16		S1 Rotary cutter 1	
=G+E-W22	-18X0	-70M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Rotary cutter 1	
=G+E-W23	-70U1-X1	-71U1-X1	DeviceNet	5	5	0	-	-	S1 Rotary cutter 1	
=G+E-W24	-71U1-X1	-73U1-X1	DeviceNet	5	5	0	-	-	S1 Dough return belt 1	
=G+E-W25			JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Rotary cutter 2	
	-73K1	-73M1		5/PE	3		16		S1 Rotary cutter 2	
	-73PE1	-73M1		5/PE	1/PE		16		S1 Rotary cutter 2	
	-73SH1	-73M1		5/PE	1		16		S1 Rotary cutter 2	
=G+E-W26	-18X0	-73M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Rotary cutter 2	
=G+E-W27	-73U1-X1	-74U1-X1	DeviceNet	5	5	0	-	-	S1 Rotary cutter 2	
=G+E-W28			JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Main conveyor 1	
	-74K1	-74M1		5/PE	3		16		S1 Main conveyor 1	
	-74PE1	-74M1		5/PE	1/PE		16		S1 Main conveyor 1	
	-74SH1	-74M1		5/PE	1		16		S1 Main conveyor 1	
=G+E-W29	-18X0	-74M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Main conveyor 1	
=G+E-W30	-74U1-X1	-75U1-X1	DeviceNet	5	5	0	-	-	S1 Main conveyor 1	
=G+E-W31			JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Transfer belt 1	
	-75K1	-75M1		5/PE	3		16		S1 Transfer belt 1	
	-75PE1	-75M1		5/PE	1/PE		16		S1 Transfer belt 1	
	-75SH1	-75M1		5/PE	1		16		S1 Transfer belt 1	
=G+E-W32	-18X0	-75M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Transfer belt 1	
=G+E-W33	-400A2	-75U1-X1	DeviceNet	5	5	0	-	-	S1 Transfer belt 1	
=G+E-W34	-18X0	-18XJ1	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Extruder 1 1 = Safety cover open upstream	
=G+E-W35	-18XJ1	-201S1	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Extruder 1 1 = Safety cover open upstream	
=G+E-W36	-18XJ1	-201S2	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Extruder 1 1 = Safety cover open downstream	
=G+E-W37	-18XJ1	-201S3	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Extruder 1 1 = door open left	
=G+E-W38	-18XJ1	-201S4	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Extruder 1 1 = door open right	
=G+E-W39	-19X0	-19XJ1	LIYCY	9+SHD	5	4	0.5	-	S1 Extruder 1 Supply roller Gap	
=G+E-W40	-19XJ1	-201S5	LIYCY	3+SHD	3	0	0.5	-	S1 Extruder 1 Supply roller Gap	
=G+E-W41	-19XJ1	-201S6	LIYCY	3+SHD	3	0	0.5	-	S1 Extruder 1 Sheeting rollers Gap	
=G+E-W42	-18X0	-18XJ2	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Gauging station 1 1 = Safety cover open	
=G+E-W43	-18XJ2	-202S1	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Gauging station 1 1 = Safety cover open	

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1019.2

Cable view

Cable code	From	To	Cable type	Total Cores	Used Cores	Not used Cores	Diameter mm² / AWG	Length m	Remarks	Graphics Page
=G+E-W44	-18XJ2	-202S2	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Gauging station 1 1 = door open left	
=G+E-W45	-18XJ2	-202S3	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Gauging station 1 1 = door open right	
=G+E-W46	-19X0	-19XJ2	LIYCY	9+SHD	7	2	0.5	-	S1 Gauging station 1 Loop	
=G+E-W47	-19XJ2	-202S4	FB-WWAK4	4	4	0	0.34	-	S1 Gauging station 1 Loop	
=G+E-W48	-19XJ2	-202S5	LIYCY	3+SHD	3	0	0.5	-	S1 Gauging station 1 left Gap	
=G+E-W49	-19XJ2	-202S6	LIYCY	3+SHD	3	0	0.5	-	S1 Gauging station 1 right Gap	
=G+E-W50	-18X0	-18XJ3	JZ-602 UL-CSA	5/PE	4	1	16	-	S1 Rotary cutter 1 1 = Safety cover open	
=G+E-W51	-18XJ3	-203S1	FB-WAK4	4	4	0	0.5	-	S1 Rotary cutter 1 1 = Safety cover open	
=G+E-W52			JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Dough return conveyor	
	-1XJ4	-71K1		5/PE	3		16		S1 Dough return conveyor	
	-1XJ4	-71PE1		5/PE	1/PE		16		S1 Dough return conveyor	
	-1XJ4	-71SH1		5/PE	1		16		S1 Dough return conveyor	
=G+E-W53	-1XJ4	-204M1	JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Dough return conveyor	
=G+E-W54	-1XJ4	-204M2	JZ-602-CY UL-CSA	5/PE	5/PE	0	16	-	S1 Dough return cross belt 1	
=G+E-W55	-18X0	-18XJ4	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Dough return conveyor	
=G+E-W56	-18XJ4	-204M1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Dough return conveyor	
=G+E-W57	-18XJ4	-204M2	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Dough return cross belt 1	
=G+E-W58	-18X0	-18XJ5	JZ-602 UL-CSA	5/PE	4	1	16	-	S1 Rotary cutter 2 1 = Safety cover open upstream	
=G+E-W59	-18XJ5	-205S1	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Rotary cutter 2 1 = Safety cover open upstream	
=G+E-W60	-18XJ5	-205S2	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Rotary cutter 2 1 = Safety cover open downstream	
=G+E-W61	-18X0	-18XJ6	JZ-602 UL-CSA	5/PE	4	1	18	-	S1 Transfer belt 1 Belt steering	
=G+E-W62	-18XJ6	-206S1	FB-WAK4	4	4	0	0.5	-	S1 Transfer belt 1 Belt steering	
=G+E-W63	-18XJ6	+A1-2Y1	KMEB-1	3/PE	2	1	0.34	-	S1 Transfer belt 1 Belt steering	
=G+E-W64	-18XJ6	+A1-2Y2	KMEB-1	3/PE	2	1	0.34	-	S1 Transfer belt 1 Belt steering	
=G+E-W65	-18XJ6	-206S2	FB-WAK4	4	4	0	0.5	-	S1 Transfer belt 1 Belt steering	
=G+E-W66	-18XJ6	+A1-2S1	JZ-602 UL-CSA	3/PE	2	1	18	-	Dough Handling 1 1=Pressure present	
=G+E-W67	-18XJ6	+A1-2Y3	KMEB-1	3/PE	2	1	0.34	-	S1 Transfer belt 1 1=nose open	
=G+E-W68	-25X0	-331O1	LIYCY	3+SHD	2	1	0.5	-	Process End Module Speed signal 1	
=G+E-W69	-400A1	-402A1	Ethernet	5	1	4	-	-	PLC	
=G+E-W70	-401A1	-402A1	Ethernet	5	1	4	-	-	Display	
=G+E-W71	-402A1	-403A1	Ethernet	5	1	4	-	-	Modem	
=G+E-W72	-18X0	-600H1	JZ-602 UL-CSA	3/PE	2	1	18	-	S1 Horn 1	
=G+E-W73			JZ-602 UL-CSA	5/PE	4	1	18	-	Stacklight 1 1 =Red; flash => reset poss.; steady =>alarm reset not poss.	
	-18X0	-602H1		5/PE	2		18		Stacklight 1 1 =Red; flash => reset poss.; steady =>alarm reset not poss.	
	-18X0	-602H2		5/PE	1		18		Stacklight 1 1 = Orange; steady => warning present	

1019.1

1019.3

Cable view

Cable code	From	To	Cable type	Total Cores	Used Cores	Not used Cores	Diameter mm² / AWG	Length m	Remarks	Graphics Page
	-18X0	-602H3		5/PE	1		18		Stacklight 1 1 = Green; flash =>home , jog, stop,standby; steady =>run	
=G+E-W74	-400A6	-19X0	LIFYCY	9+SHD	8	1	1	-	Ferrite ferrule 3W	

1019,2

+A1/1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page
Project name	Sheeting System	+ E	Drawing number	0010000.21844	Rev.	D	1019.3
Subject : Cable view			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	24.Jun.2009	

Rademaker

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Customer	:	Food Systems Design
Project name	:	Sheeting System
Project number	:	7193 / 719395
Drawingnumber	:	0010000.21844 D

Group (=)	:	G Group
Place (+)	:	A1

Original project number	:	
Original drawingnumber	:	

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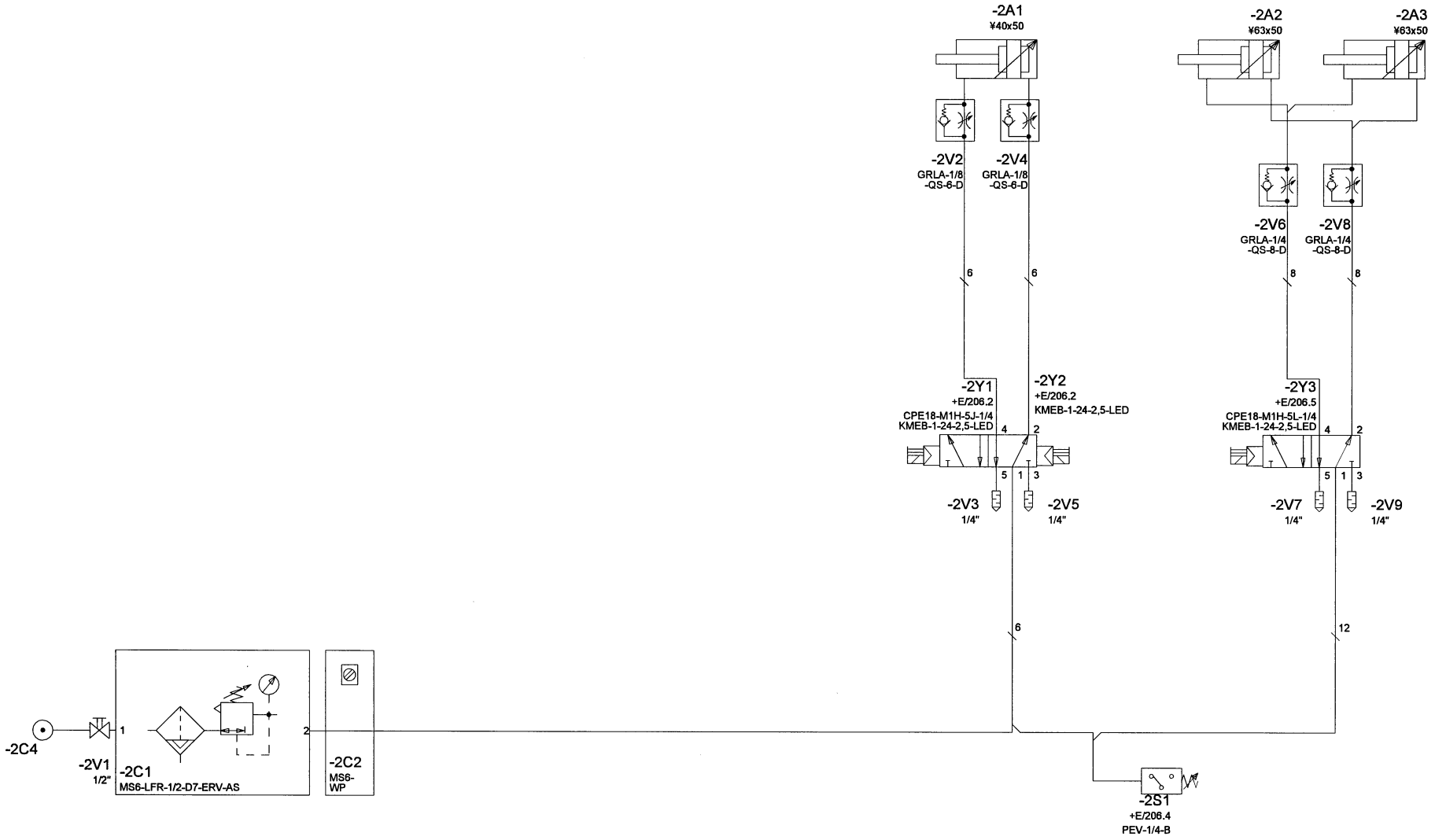
Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page 1
Project name	Sheeting System	+ A1	Drawing number	0010000.21844	Rev.	D	
Subject : Title page			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	05.Mrt.2008	



Air supply Filter regulator

S1 Soft dough quick reducer 1 belt steering

Air pressure switch S1 Quick reducer 1

S1 Transfer belt 1 1=nose open

1

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Customer	Food Systems Design	= G	Proj. nr.	7193	Sub.proj.nr.	719395	Page 2
Project name	Sheeting System	+ A1	Drawing number	0010000.21844	Rev.	D	
Subject : Pneumatics Main Line			Drawn by	WBA	Date	24.Jan.2008	Accoord
			Change	WBA	Date change	11.Nov.2008	