

Wire-O® Bind

Binding Machine

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James Burn International
Patent Pending

ALPHA/OM/1

Operating Instructions

(Modèle WOB3500 MK2)



Version : 200-240Vac 50/60Hz Single phase
Issue : 2
Serial number WOB2.211 onwards
(starting January 2009)

To: Installation Agent

***After installing this machine, always
leave this manual on the machine.***

JBI James Burn Int.

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0704-01-05	PLC outputs	
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0704-01-07	Inverter book transport : M5 V : 200-240 Vac	
0704-01-08	Inverter cutter assy : M6 : V : 200-240 Vac	
0704-01-09	Inverter spool : M8 : V : 200-240 Vac	
0704-01-10	Inverter closing : M9 : V : 200-240 Vac	
0704-01-11	Terminal XB2-YB1	
0704-01-12	Settling electric assy	

Thank you for purchasing a WOB3500 Binding Machine from James Burn International. This instruction manual has been prepared to help you get the most from your new binding machine.



NOTICE

Read this manual carefully before installing your binding machine.

It is essential that you read all the instructions to ensure a safe and correct manner for operating the machine.

This manual contains recommendations and instructions for installing, adjusting, operating and maintaining your binding machine.

Failure to read this manual and operate the machine correctly could result in damage to your equipment, or even personal injury.

This manual is a necessary and permanent part of your binding machine. Always return the manual to its pocket holder, on the machine.

Note

This manual gives you general guideline for installing and operating your binding machine. It does not cover every question you may have or cover every situation that can occur. If in doubt please contact your supplier. Due to ongoing efforts to improve the machine, James Burn International reserves the right to carry out changes to this machine.

The machine identification plate is found on the rear of the machine. ALWAYS confirm the serial number when contacting James Burn International for spares or service.

If you have any questions about your Punching Machine or this manual, please contact your local James Burn International agent or office shown below :

Your local James Burn International agent or office

1. Using your Binding Machine Safely

Safety Information

Learn to recognise safety information, and always follow recommended precautions and safe operating practices.

This is the safety alert symbol:



When you see this symbol on your binding machine, or in this manual, be alert to the potential for injury or property damage.

The manual uses the words DANGER, WARNING, CAUTION and NOTICE to accompany the safety alert symbol. The words are defined as follows:

DANGER: You will cause severe personal injury or death if you ignore this message.

WARNING: You may cause severe personal injury and/or substantial damage to equipment or property if you ignore this message.

CAUTION: You may cause minor personal injuries or substantial damage to equipment if you ignore this message.

NOTICE: This is important installation, operation or maintenance information that should not be ignored.

1. Using your Binding Machine Safely

Safety Warning Signs on your Binding Machine

This section lists the safety warnings that you should be familiar with before you install or operate your binding machine.



DANGER

Electrical shock hazard



DO NOT TOUCH THE CLOSING TOOLS IN YOUR BINDING MACHINE.

Use a long screw driver or bar to clear jams in the Closing Head.

Serious injury may occur if your fingers come into contact with the closing tools while the machine is operating.

NEVER PERFORM ANY REPAIR OR MAINTENANCE ON YOUR BINDING MACHINE WHILE IT IS OPERATING

Always remember to switch off the machine and disconnect its electrical and air supply.

STOPPING THE BINDING MACHINE IN AN EMERGENCY

Know where the emergency stop switch is located on your binding machine.

The emergency stop switch is a red mushroom headed push button, left side (respect to operator side).

1. Using your Binding Machine Safely



SHEAR HAZARD

Keep hands clear of Cutter. Turn power OFF before servicing.

Safety Instructions

DO NOT OPERATE THE BINDING MACHINE IF THE GUARDS ARE NOT IN PLACE

All guards **MUST** be in place before you start the binding machine.

DO NOT ADJUST THE GUARD OPENINGS WHILE THE MACHINE IS SWITCHED ON

Servicing must not be carried out with the machine switched ON.

DO NOT BYPASS THE INTERLOCK SWITCHES ON YOUR BINDING MACHINE

Never use your binding machine unless the Interlock Switches are in proper working order

1. Using your Binding Machine Safely



HANDLE HEAVY EQUIPMENT PROPERLY

Always handle heavy equipment with a suitable mechanical lifting device.

Always position the weight of the machine on your lifting device so that it is stable when lifted. Know the weight of the equipment before attempting to lift it. (N.B. This machine weighs 277kg (610lbs))

Never try to lift equipment that is heavier than the maximum rating of your lifting device.

A minimum of 2 people is required when moving this machine. The correct pallet and covers as supplied should always be used.



WEAR SAFE CLOTHING

Secure all loose clothing - such as neckties or scarves whilst operating your binding machine, and keep loose hair tied back.

Safety footwear should always be worn when moving this machine.



PROTECT CHILDREN

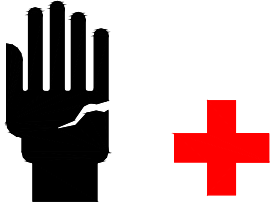
Keep children away from your binding machine. Never allow children to operate your binding machine.

1. Using your Binding Machine Safely



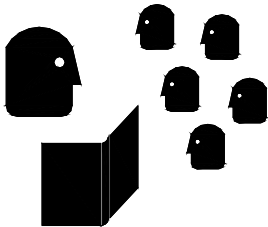
KEEP SAFETY LABELS CLEAN AND IN GOOD CONDITION

Do not remove any safety labels from your binding machine. Keep all labels clean and legible. Replace any missing or damaged labels.



BE PREPARED FOR EMERGENCIES

Be prepared for fires, injuries or other emergencies. Keep a first aid kit and a fire extinguisher handy. Keep emergency numbers of doctors, ambulance services, hospitals and the fire department handy. Acquaint yourself with the company fire procedure.



A NOTE TO ALL EMPLOYERS

Know your responsibilities as an employer.

Make sure your employees know how to operate the binding machine safely and ensure they read this manual.

Make sure your employees are aware of the safety warnings displayed on the binding machine and illustrated in this manual.

Make sure the binding machine is in proper working condition. Unauthorised modifications may impair the function and safety of the binding machine.

1. Using your Binding Machine Safely

KEEP THIS MANUAL WITH THE BINDING MACHINE

This manual is an important part of your binding machine. Always keep this manual where it belongs - with the binding machine.

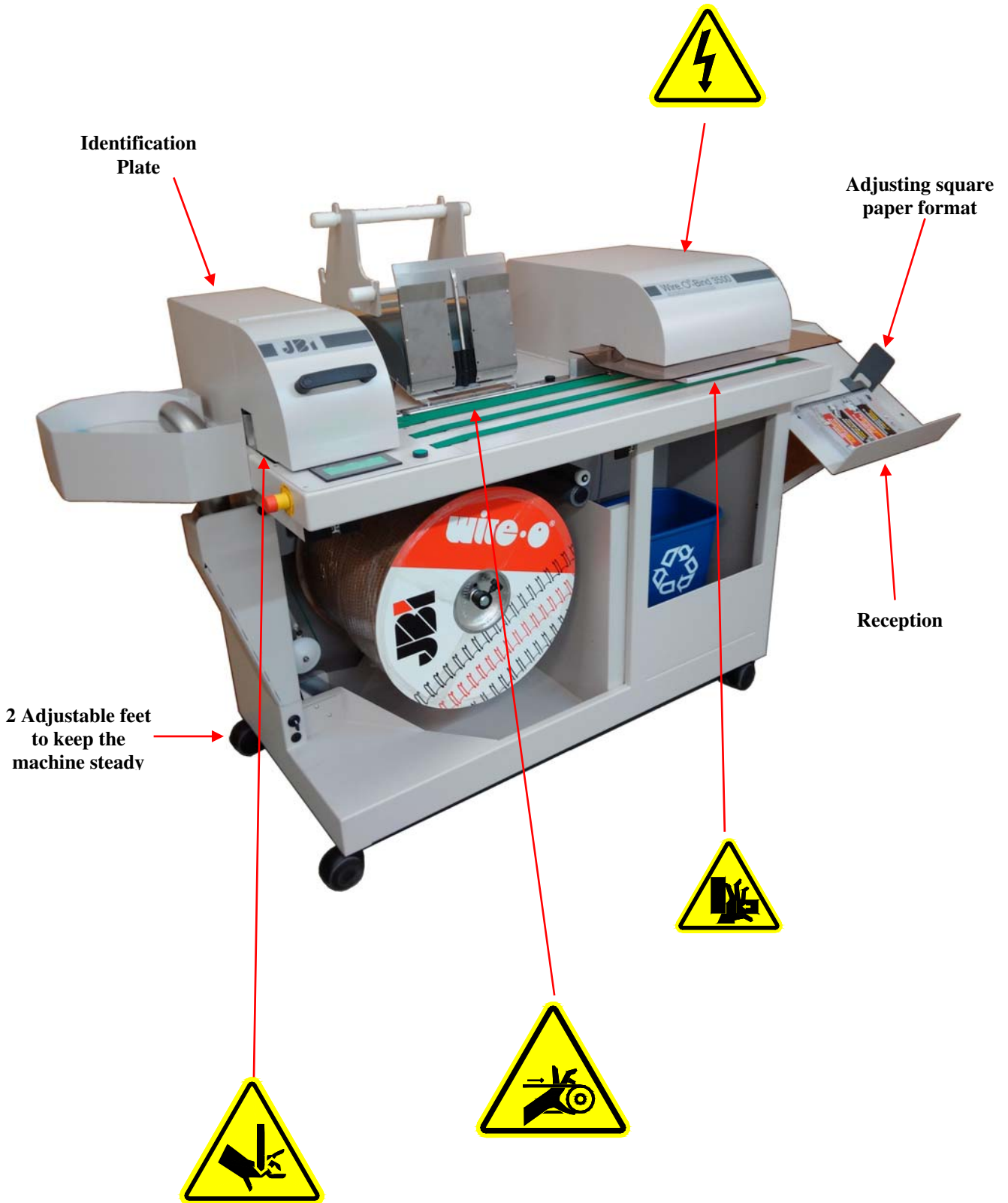


IF YOU NEED THIS MANUAL IN ANY OTHER LANGUAGE

If you need this manual in a language other than English, contact James Burn International.

1. Using your Binding Machine Safely

Warning Signs on your Binding Machine



2. Installation of your Binding Machine

Installation of your Binding Machine

Installation of your binding machine will depend on how you plan to use it and the resources available in your bindery.

Therefore, the installation information should be considered as a guideline and recommendation rather than exact instructions. Contact James Burn International if you have any queries about installing the machine.

Choosing a Location for your Binding Machine

You should choose a site within the office that is solid, level and rigid enough to keep the machine accurately aligned, even while it is running, and place it in a position which ensures the most efficient work flow.

Floor Plan

The approximate floor area that is required for the binding machine is 2.5 x 1.0 metres.

Power Points

You should ensure that 16 amp electric connection points with earth are provided nearby.



WARNING

Ensure that the voltage setting on your binding machine conforms to the supply rating. See Electrical Installation Notes at the end of this section. 2 Versions 100-120 Vac 50/60Hz or 200-240 Vac 50/60Hz, 16 Amps with Earth singlephase.

2. Installation of your Binding Machine

Unpacking your Binding Machine

The binding machine is packed in a wooden case. To unpack:

Unbolt the top and sides of the case and remove them.

Check to see if any damage has occurred to the machine during transportation.

Notify James Burn International and the carrier immediately regarding any damaged parts.

Unwrap the protective film.

Check for quantity against list.

1 off Instruction services and spares parts manual.

1 off Footswitch.



WARNING

Avoid violent or sudden movement when moving the machine, otherwise it may fall causing property damage and/or personal injury. Therefore when you are moving the machine check that it is stable. The machine weights 277Kg (610lbs).

Unbolt the retaining straps holding the machines feet to the base. At least 4 persons are required to removing the machine from the pallet. All the coach bolts at the appropriate end of the pallet should be removed. The support underneath the base can now be carefully removed, and the pallet tilted to allow the machine to be slowly rolled off the now sloping base. The pallet should be retained for future use.

Place the Wire-O Bind in situ.

Plug in the IEC mains cable and the footswitch. Switch on the WOB3500 using the black isolator switch on the right hand side of the machine. The screen should illuminate and display the opening screen.

2. Installation of your Binding Machine

Technical Data

Standards And Application Conditions	
Conformity	Machine directive EMC directive
Approvals	CE
Vibration Resistance	Acceleration Resistance up to 2g (Germanischer Lloyd, general conditions).
Climatic Conditions	Class 3K3 to EN50178 (Without Condensation, Average Relative Humidity 85%)
Packaging	Dust Packaging
Permissible Temperature Range t	t = -10°C....+40°C t = 40°C....+55°C With Forced Air Cooling. Expect 30% Speed Reduction.
Permissible Installation Height h	h = <1000m above mean sea level
General Electrical Data	
Noise Emission	
Noise Immunity	Requirements to EN 61800-3
Insulation Strength	Overvoltage Category iii to VDE 0110
Discharge Current to Potential Earth	>3.5mA
Protection Measures Against	Short circuit, Over-voltage, Motor over-temperature and Over-current
Type of Protection	IP20

Electrical Installation IMPORTANT Notes

Protection of persons

Operators' safety with RCCBs, RCDs and Circuit breakers.

Definitions- In the following text 'RCCB' is used for 'Residual Current Circuit Breaker', RCD is used for Residual Current Device and CB is used for Circuit Breaker.

Protection of persons and animals –

The Inverter Drives, Programmable Logic Controllers and Switch Mode Power Supplies, all use high value capacitors in their internal circuit design. This fact may cause false tripping on power up. It is highly recommended that "Pulse current sensitive RCCD" and "**Type C** circuit breakers" be fitted in your mains power distribution panels, to protect the machine, operators and service staff and to reduce false tripping to a minimum.

3. How to Select the Correct Size of Wire-O®

Wire-O® is supplied in eleven different sizes for the WOB3500 binding machine. These range from 1/4" and 1¹/₄" sizes and are available in a variety of finishes and colours. Request a brochure from James Burn International or your agent for the complete range.

Wire Sizes

The wires are numbered according to their size in sixteenths of an inch, e.g. wire size 9 corresponds to 9/16" and wire size 6 corresponds to 3/8".

The size of the wire required is obtained in the following manner.

Using the Following Formulae:

Imperial:

All 3:1 Pitch Wire Size = Book Thickness in inches + 1/16"
(and 5/8 wire)

All 2:1 Pitch Wire Size = Book Thickness in inches + 1/8"
(except 5/8 wire)

or

Metric:

All 3:1 Pitch Wire Size = $\frac{\text{Book Thickness in mm} + 1.6\text{mm}}{25.4}$
(and 5/8 wire)

All 2:1 Pitch Wire Size = $\frac{\text{Book Thickness in mm} + 3.2\text{mm}}{25.4}$
(except 5/8 wire)

Where the precise size is not available the nearest oversize wire can be used.

Example:

A book has a total thickness of 6mm, adding 1.6mm and dividing by 25.4 gives 0.3 inch. Therefore, No.5 - 5/16" - (8mm) wire can be used. (see table below).

3. How to Select the Correct Size of Wire-O®

Table of Recommended Maximum Book Thickness for each Wire Size

Wire No.	Wire Size		Pitch of Wire (Inches)	Recommended Maximum Book Thickness	
	Mm	ins		mm	ins
4	6.4	¼	3:1	4.6	3/16
5	7.9	5/16	3:1	6.2	¼
6	9.5	3/8	3:1	7.8	5/16
7	11.1	7/16	3:1	9.5	3/8
8	12.7	½	3:1	11.0	7/16
9	14.3	9/16	3:1	12.5	½
10	16.0	5/8	2:1	14	9/16
12	19.0	¾	2:1	16.0	5/8
14	22.0	7/8	2:1	19.0	¾
16	25.4	1	2:1	22.0	7/8
18	28.57	1 ^{1/18}	2:1	25.3	1
20	31.8	1¼	2:1	28.0	1 ^{1/8}

Table of Punched Holes for each Paper Size

The table below shows the maximum number of punched holes recommended for various paper sizes being used.

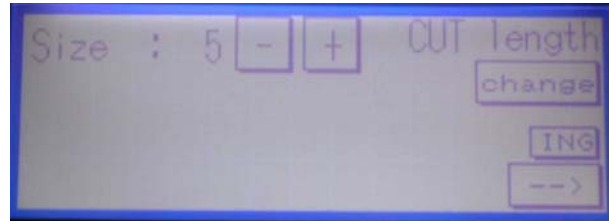
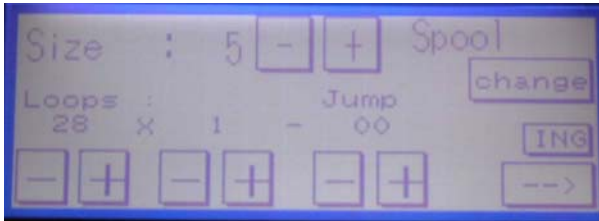
Maximum Number of Punched Holes				
Paper Format	3:1 Pitch		2:1 Pitch	
	Long Edge	Short Edge	Long Edge	Short Edge
A6	17	12	11	8
A5	24	17	16	11
A4	34	24	23	16

4. Running Your Binding machine.

It is highly recommended that only original James Burn International Wire-O® spools are use with your WOB3500 binding machine.

Switch on the WOB3500.

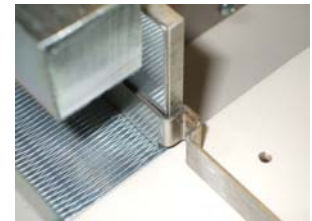
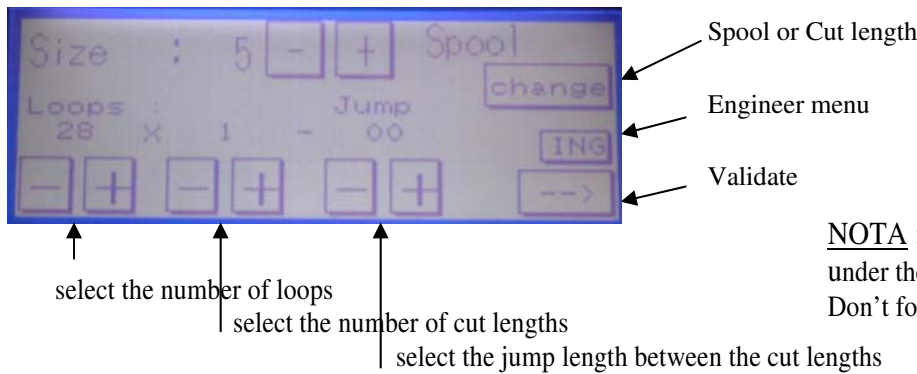
On the opening screen using the 'change switch' select 'spool'.



NOTA : Pressing the 'change switch' alternates between 'Spool' and 'Cut Lengths'.

'Cut Lengths' should only be selected if you are using Wire-O in cut lengths supplied by James Burn International.

Select the wire-o size (see chart page 14)



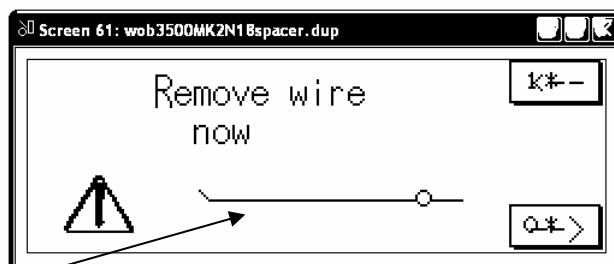
NOTA : If you select n°18 or n°20, put the bar under the jaws, fix it on the pusher, just clip the bar. Don't forget to remove it when you select under n°18

In 3/1 pitch number of loops from 8 to 41, number of cut lengths 1 to 4, jump length 03 to 25 (loops)

In 2/1 pitch number of loops from 5 to 28, number of cut lengths 1 to 4, jump length 02 to 18 (loops)

After selection validate your choice by the key

New : WARNING
The screen displays

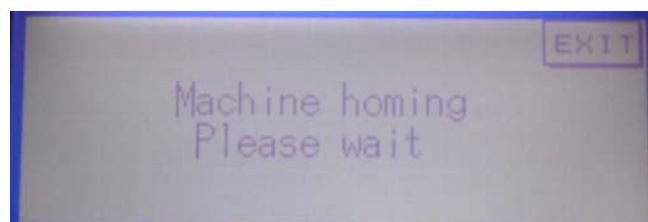


To come back to previous screen

To go to next screen

If you see this symbol (with buzzer) you must Remove the bar under the jaw. Replace the wire, if necessary, from the dented wheel/cut assembly, press on to continue and initialize the machine

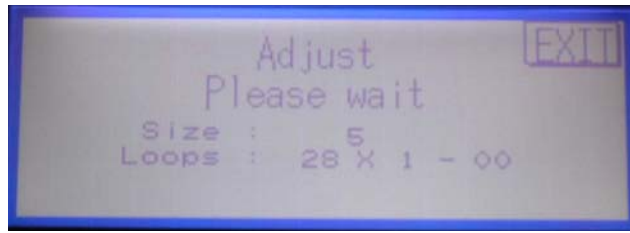
The screen displays



Cancel the initialization

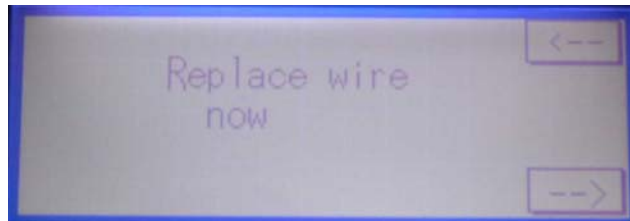
4. Running Your Binding machine.

The screen displays



Cancel the initialization

The screen displays

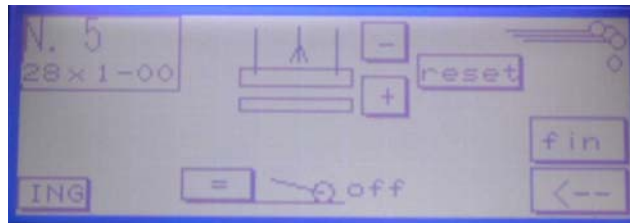


Return to the previous screen

To go to next screen

4 POSSIBLE SITUATIONS

①



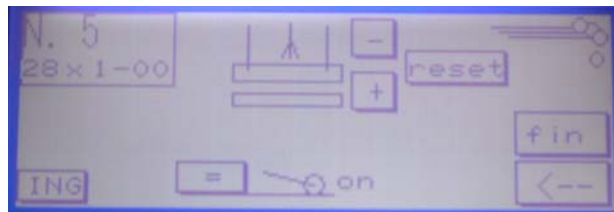
In case of spool without hanger option

②



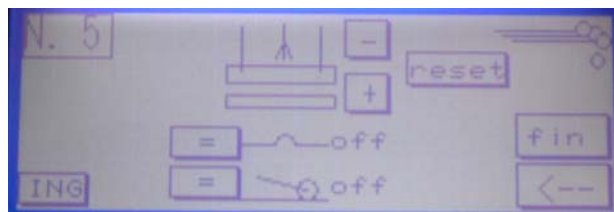
In case of spool with hanger option

③



In case of cut lengths without hanger option

④

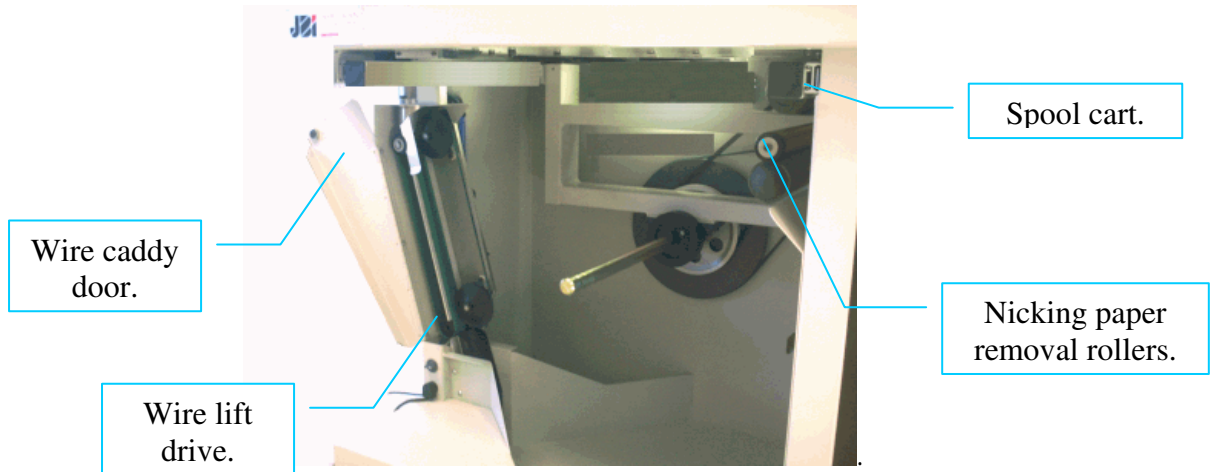


In case of cut lengths with hanger option

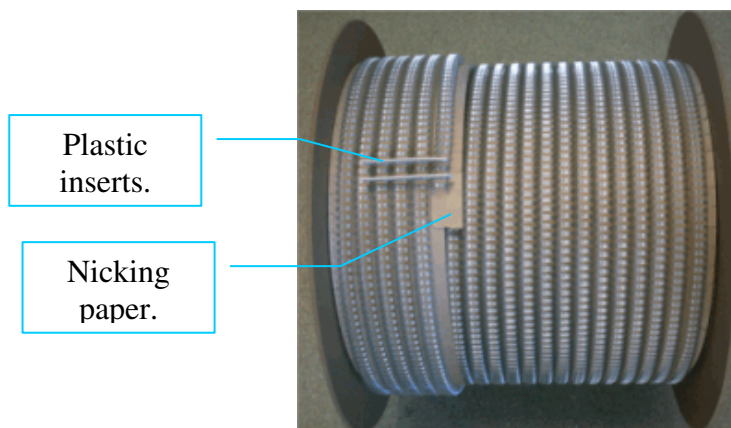
4. Running Your Binding machine.

To Load a Spool of Wire-O®

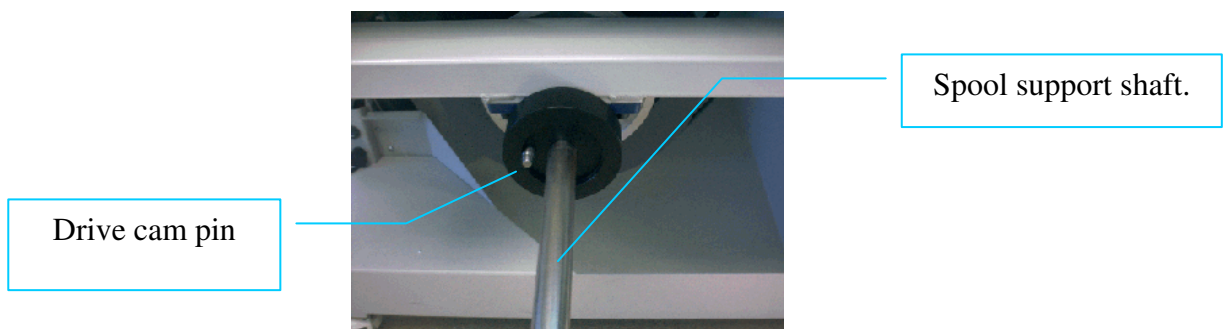
Open the Wire caddy door. Ensure that no wire remains under the wire lift drive



Carefully remove the spool from the shipping carton and remove the protective film. Ensure that the wire spool is aligned as shown in the photo below.

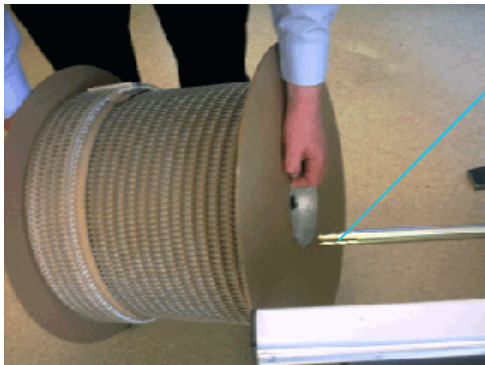


Pull the spool cart out fully. Turn the spool support shaft, by hand, until the drive cam pin is at 9 o'clock.

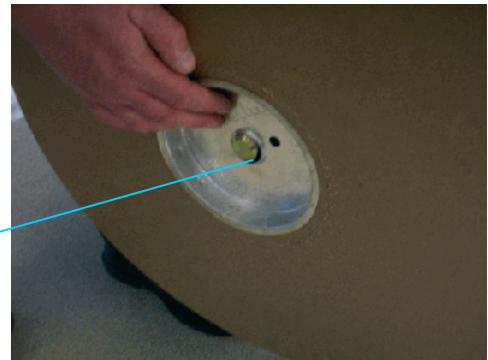


4. Running Your Binding machine.

Position the spool in front of the machine with the Wire-O rolled-up clockwise, carefully lift the spool onto the spool support shaft.



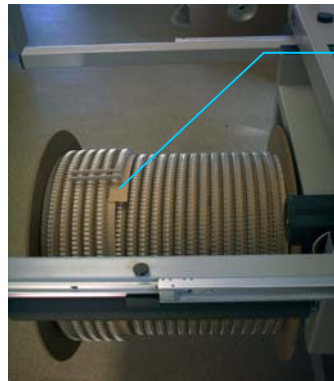
Grove in
spool shaft.



Cup hole.

Turn the spool by hand until you feel drive cam pin engages in the spool.

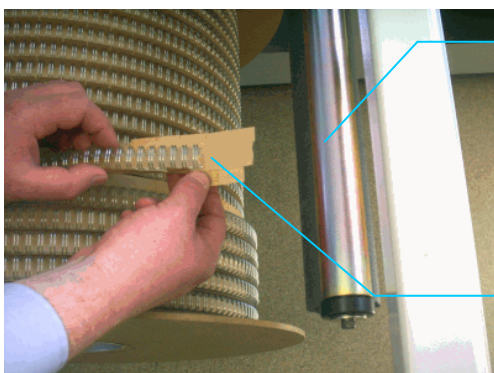
Important : push the spool end cap in further so that the cup hole engages into the groove of the spool shaft.



Plastic
retaining
clips.

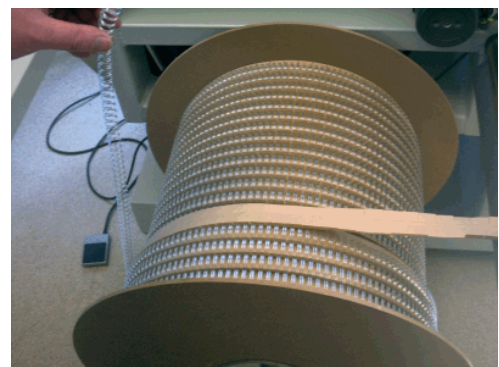
The spool is correctly mounted

Next, carefully remove the plastic packing clips from the wire-o spool. Gently turn the spool and feed the nicking paper through the nicking paper removal rollers.



Nicking paper
removal
rollers.

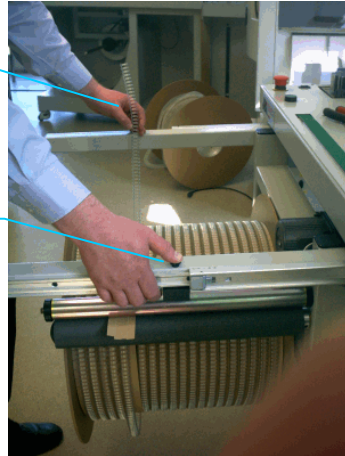
Nicking
paper.



4. Running Your Binding machine.

Support the wire.

Cart return clip.



Support the wire with your left hand. With your right thumb press the cart return clip. Push the assembly back into the WOB3500.



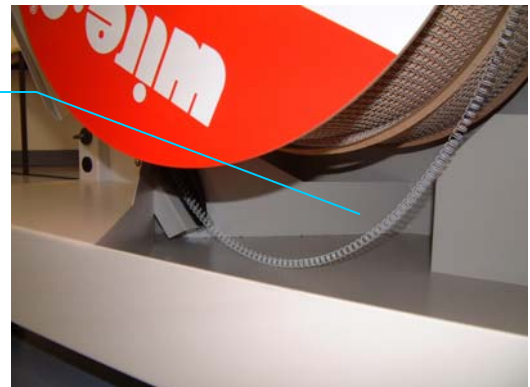
Pushing the cart fully home.

Important. Allow the wire to sit in the tray under the spool as shown on the picture.



The spool is in position
Fit the spring as shown on the picture
Lock the assembly with the handle

Wire being correctly fed from the spool.



4. Running Your Binding machine.

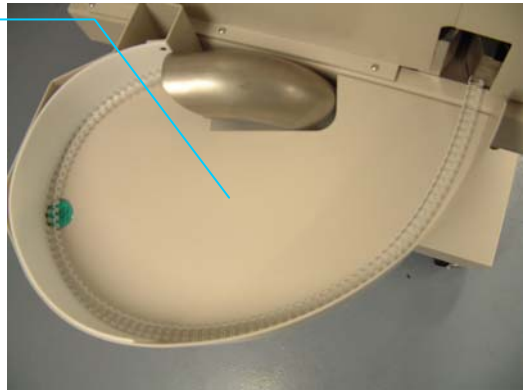
Spring loaded switch.



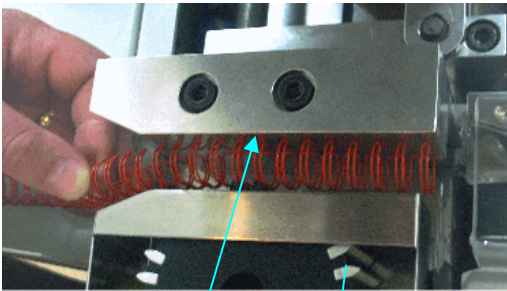
Wire feed drive.

Take the end of the wire element and feed it up to the bottom wheel of the wire feed drive. Operate the spring loaded switch upwards. The wire feed motor will start to feed the wire up to the wire reservoir on the top of the machine. Turn the spool by hand to avoid the wire to be deformed.

Wire reservoir.

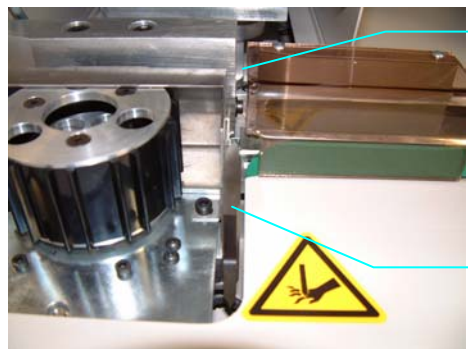


NOTA : be carefull to bring the wire up to the dented wheel to allow a good wire supplying



Lowering the wire into the jaw, the 1st loop must be positioned as shown above

Drive wheel



Anvil

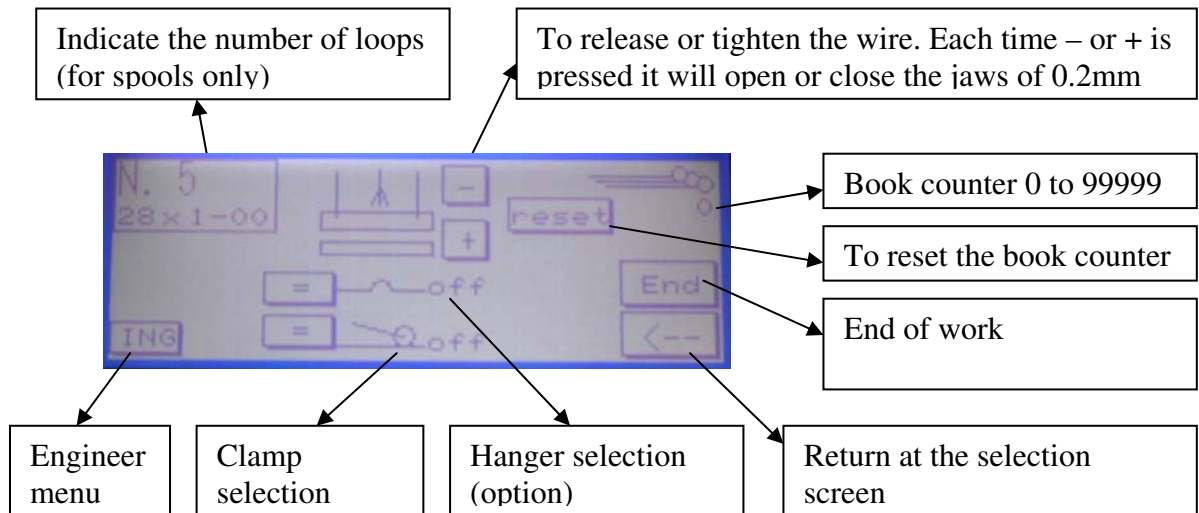
Cutter

When you have inserted the wire , close the cover of the wire drive and knife assembly.

Always place the small loop of the wire on the top

4. Running Your Binding machine.



The screen displays of of the screens indicated on page 16 according to selection done.



Pressing the footswitch or the green button on the control board, will move a cut length of the requested length to the insertion area (if spool selected).

Pressing the footswitch a second time, will move the book block into the closing head, where it will be bound. Pressing the footswitch a third time will move the book block to the stacker unit.

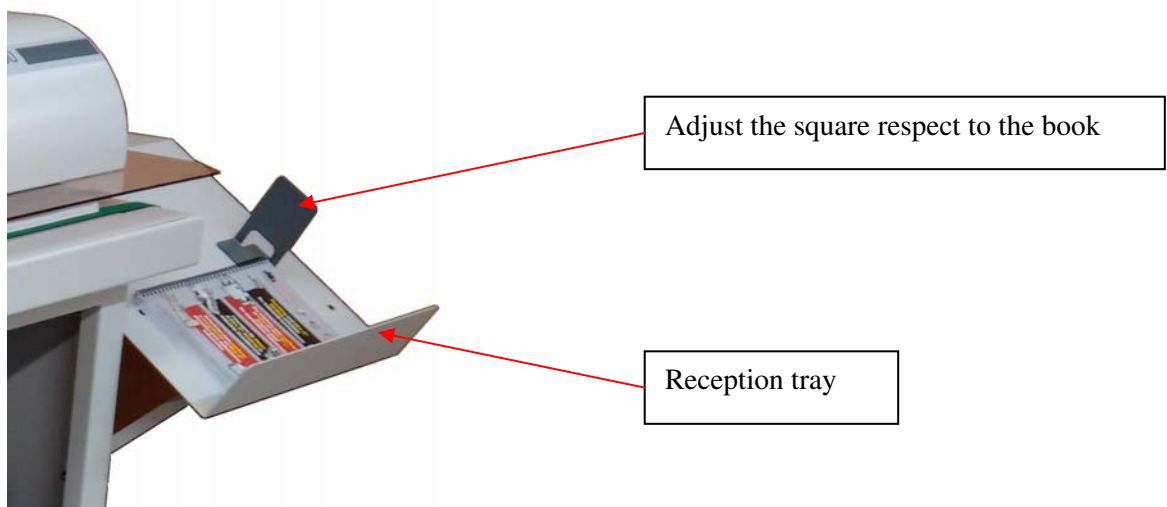
After each press of the footswitch a new cut length of wire will be fed for the inserting of the book by hand.

To change the wire length press on , back to the selection screen. Using the + and – buttons adjust the counter to the required number of loops. When completed press  to return to the above screen.

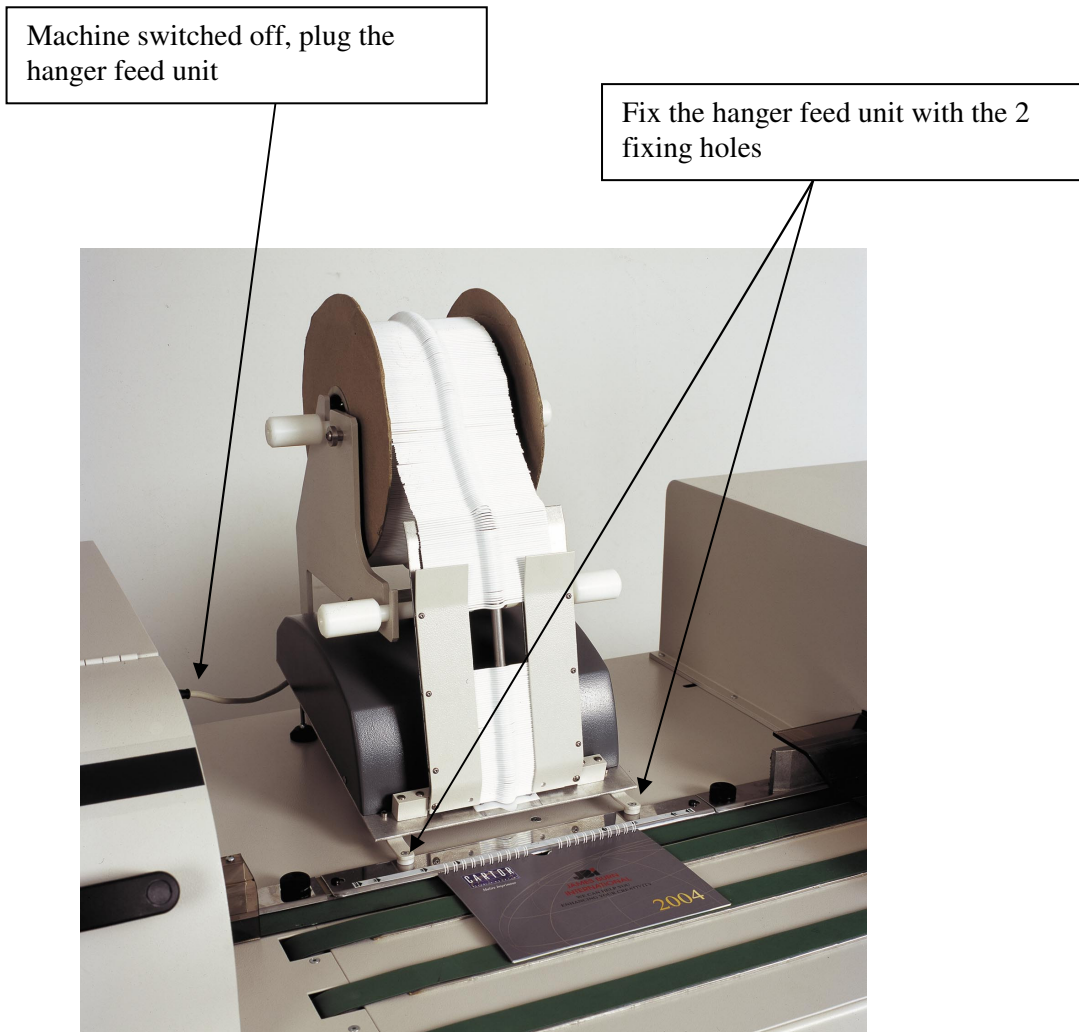
NOTA : in case you change the wire size by pressing on – or +, in that case the machine will initialize again. The clamp selection is always ON when machine is switched on.

Reception adjustments :

Put a bound book on the reception tray





5. Skip bind option : hanger unit



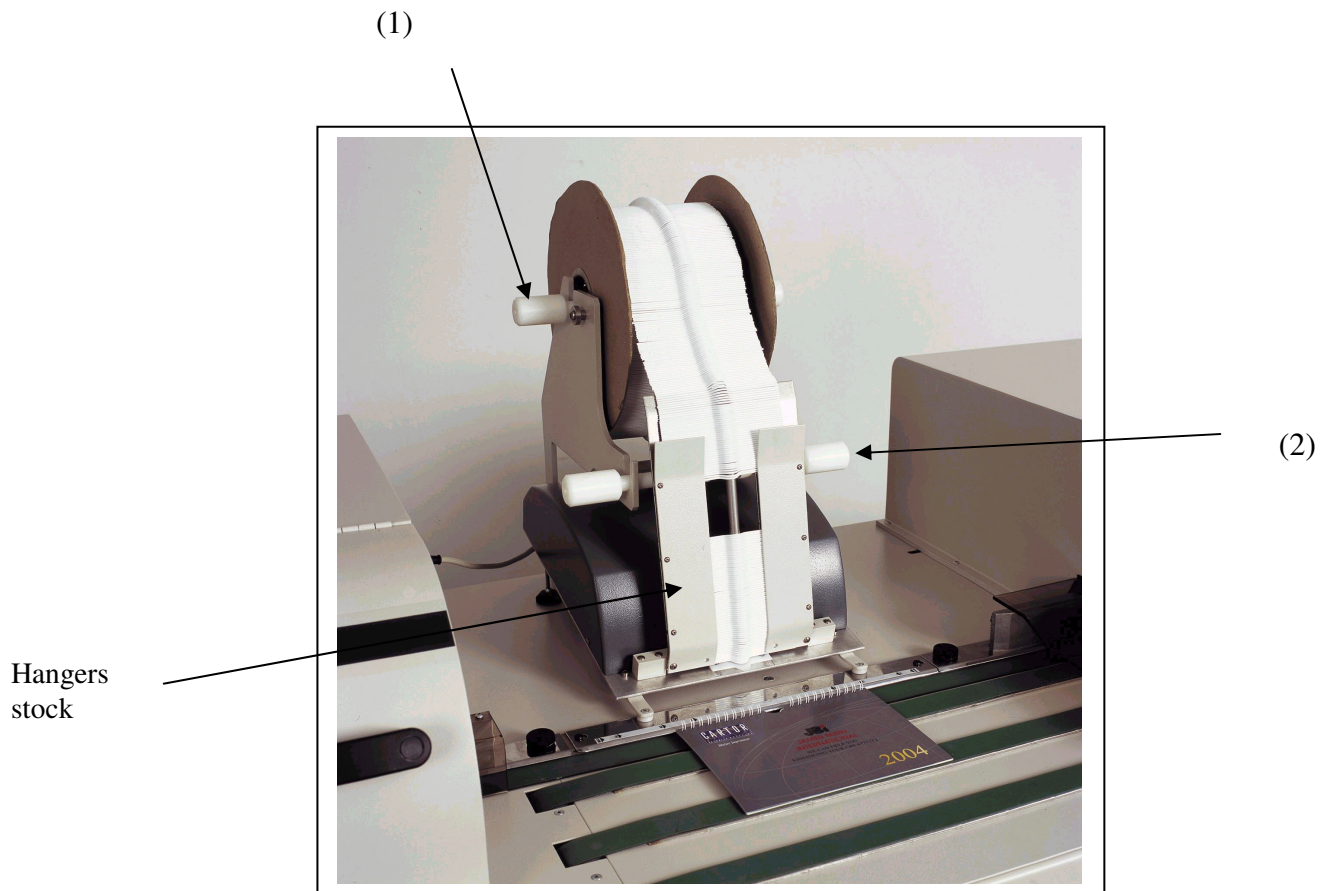
- On screen (previous page), select the hanger feed option (if you require this option)



- Come back to the screen “selection” pressing the key 
- Select the number of loops of each cut length
- Select the number of cut lengths
- Select the length of the jump required (in number of loops)
- Validate your choice 
- Launch the cycle by depressing on the pedal or by pressing the green button on the control board

NOTA : to ensure a good binding it is necessary to push the book towards the wire-o.

6. Skip bind option : Hanger spool feeding



- Insert the axis (1) inside the hanger spool
- Put the assembly on the spool holder (upper position)
- Position the second axis (2) on the lower support
- Remove the sticks retaining the hangers
- Unwind slightly the hanger spool up to the beginning of the hangers stock
- Place the 2 lower stick rules inside the hangers stock, up to the little roller
- Place the 2 stick rules on the little roller, bring them up to the lower axis of the spool holder (2)
- Fix the 2 stick rules on the axis (2), without machine working, to unwind the hangers spool

NOTA : make sure to tighten equally the 2 stick rules

- Place the plastic rules to the rear of the machine

7. Maintaining your Binding Machine

General Maintenance

Although only limited maintenance is required, that which is required is important to enable continually safe and good machine performance.



CAUTION

All maintenance work should be carried out by qualified personnel maintenance engineers, service engineers, or electricians only.

Before commencing any maintenance work, switch OFF the machine and disconnect the electrical supply from the mains supply.

Daily Maintenance

The following daily maintenance is required:

Brush off loose wire coatings and deposits from the area around the Cutter, wire transport and binding mechanisms.

Check that switches, indicator lights and the stop switches are functioning correctly.

Check that all safety switches function correctly.

Annual Maintenance

James Burn International recommends an annual service visit from our service engineers.

Ongoing Maintenance Change cutter and Anvil block as a pair, as and when required,

8. Spare parts

Recommended spare parts :

- 1 Off JE24004 : encoder GHT4065A3R1360 24 Vcc
- 1 Off JE22041 : detector OMRON E3T-SL33 24 Vcc
- 1 Off JE22052 : inductive detector M30 SICK
- 1 Off JE29065 : Sanyo card
- 1 Off JE07067 : contactor 12A : LC1-D12BL 24 Vcc
- 2 Off JE06076 : microswitch Crouzet
- 1 Off JG01080 : belt MAT5P 30x1585 habasit
- 3 Off JG01081 : belt MAT5P 30x2245
- 1 Off JE29064 : supply car 24Vcc

9. Selling, Transferring or Disposing of your Binding Machine

Selling or Transferring your Binding Machine

If you sell or transfer your binding machine you must ensure that the machine is in working order, and that the labels and this manual are in a legible condition. Failure to do so could result in you being responsible to whom you sell or transfer your binding machine should it cause personal injury or damage to property

Disposing of your Binding Machine

If you dispose of your binding machine you must destroy it, as follows, before you throw it away:

Remove all the covers.

Cut the cable loom from the Control Box.

Remove the Control Box.

Throw the Control Box and covers away, in a separate location to the rest of the machine.

10. Fault finding chart

Fault	Cause	Remedy
Display not illuminating when machine switched ON	No power supply Fuse blown	Check power supply Check Power Inlet Connector circuit breaker Check internal fuse to 24V : FC1
Operator panel display working but no menu available	No power supply to PLC Disconnected control panel connector	Check PLC connector Check Control Panel connector
Machine fails to cycle when footswitch is pressed	Interlock Switches No motor supply Motor circuit overloaded Footswitch obstructed	Check Guards and Interlock Switches Check power supply Check fuses Check Footswitch connector
Wire feed wheel fails to draw wire when machine cycles	No motor drive	Check fuses FC3-FC4-FC6 of the 24Vcc card Check wire lift motor
Book transport belts fail to move when machine is cycled	No motor drive	Check fuses F3 on M5 Inverter Drive
Knife/Cutter does not move	Inverter fuse blown	Check for blown fuse F4 from the inverter M6
The cutter is not in right position	Interlock Switches	Check Guards and Interlock Switches
Bind action fails to start when machine is cycled	Interlock Switches Blown Fuse	Check Guards and Interlock Switches are closed / Made. Check and replace blown fuses F6 from inverter M9
Wire transport jammed	Damaged wire fed into the Book Transport section	Turn OFF power and removed damaged wire
Book jammed when being transported into binding section	Book in wrong position Paper deformed Wire-o guide not well adjusted	When inserting push the book towards the wire-o Remove the book Adjust the wire-o guide

10. Fault finding chart

The machine is not cycling	Closing Head jammed	<ul style="list-style-type: none">- Turn OFF power- Wait 30 seconds- Switch ON power- Initialise the machine NOTA : the closing head is on top position and the wire is ejected at the reception
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10.2 Error messages

- Cover open
- Emergency stop : off
- M9 : alarm
- M8 : alarm
- M6 : alarm
- M5 : alarm
- Error : X27-P/wire
- Error : X10-P/bind
- Spool alarm : ignore
- Alarm wire feeding: check the wire feeding
- Error : ER/wire X27-Y6-Y2
- Error : ER/bind X10-Y7-Y3

11. Technical data about your Binding Machine



NOTICE

Your binding machine is constructed to a very high specification. Details are shown in this section. Strictly adhere to these specifications at all times!

General Data

Machine size	:	Max length	2.14m
		Max height	1.175m
		Max depth	0.73m
Gross weight	:	277Kg nett	610 lbs nett
Base fitting	:	Lockable swivel castors.	
Machine setting	:	Simplistic touch screen controls with fully automatic adjustment (no tool changing).	

Machine Performance

Binding output	:	1400 max per hour non stop (dependant on format, operator skills and factory layout).	
Binding format	:	3:1	Min 8 loops (A6) Max 41 loops.
		2:1	Min 5 loops Max 28 loops.
Wire-O® wire diameters	:	1/4" (6.4mm) up to 1 1/4" (32mm).	
Book thickness	:	:0.19" to 1.10" (3mm to 28mm) Dependent on wire size (see table below).	

11. Technical data about your Binding Machine

Wire Size	Max. Book Thickness (mm)	Min. Book Thickness (mm)
No.4	4.6	1.5
No.5	6.2	2
No.6	7.8	3
No.7	9.5	4
No.8	11	5
No.9	12.5	6.5
No.10	14	8.5
No.12	16	9.5
No.14	19	9.5
No.16	22	10
No.18	25.3	10
No.20	28	10

Electrical Data

Mains electric supply (Specify when ordering)

Standard USA : 100-120V, 60Hz single phase – 16 Amps with Earth

Europe : 200-240V, 50Hz single phase – 16 Amps with Earth

Power consumption : 1200 Watts

Protection Devices

Fuse ratings

Fuse ID	Size and type	Europe 230V	USA 110V	Protections
QF1	Circuit breaker	16 Amp	16 Amp	Fitted on the main plug (GB)
F2	2x5x20mm time delay /T	3 Amp	6.3 Amp	Transformer : folio 01-12 ^E
F3	2x5x20mm time delay /T	4 Amp	6.3 Amp	Inverter M5, 3 belts : folio 07-08C
F4	2x5x20mm time delay /T	4 Amp	6.3 Amp	Inverter M6, cutter : folio 08-08C
F5	2x5x20mm time delay /T	4 Amp	6.3 Amp	Inverter M8, spool : folio 09-08C
F6	2x5x20mm time delay /T	4 Amp	6.3 Amp	Inverter M9, wire : folio 10-08C
FC1	2x5x20mm time delay /T	10 Amp	10 Amp	Card C24V supply : folio 03-05-I
FC2	1x5x20 / F	6 Amp	6 Amp	24Vcc supply : folio 03-07-J

Contact Breaker : **Type C, 16 Amp**

Short circuit interrupt : 6000 Amps

over-current protection device

Mains Plug: : 13 Amp Fuse (UK)

12. Amendments

Issue No.	Amendments	Approved by	Date	From /SN°
1	New operators manual for WOB3500 Issue 1	DB	Aug 2004	WOB2.001
2	Program modification PLC + screen for wire n°18 & n°20 Optional bar on closing jaw for wire n°18 & n°20	DB	Jan 2009	WOB2.202
2	Replacement of safety and safety switch Old : JE07095 + JE06077 + JE06078 New : JE07098 + JE07099 + JE07100	DB	Feb 2009	WOB2.211

JBI WARRANTY

JBI SAS warrants to the original purchaser-user, that at the time of shipment from JBI SAS's factory, the equipment will be free from defect in materials and workmanship for a period of 12 (twelve) months from date of shipment. Written notice of claim under this Warranty must be given within ONE YEAR for all equipment from the date of shipment from the factory.

Defective conditions caused by abnormal use or misuse, lack of or improper maintenance, damage by third parties, alterations by unauthorized personnel, force majeure, failure to follow installation or operating instructions, or any events beyond the control of JBI SAS or any authorized distributor of JBI SAS will NOT be covered under this warranty. Consumable components (such as fuses or lamps) and wearing parts (such as belts) are excluded from this Warranty coverage.

The obligation of JBI SAS under this Warranty period shall be limited to repairing or replacing (at the option of JBI SAS) any part that is defective in the reasonable opinion of JBI SAS.

The original purchaser-user shall have the responsibility and expense of removing and returning the defective parts to JBI SAS as well as the cost of reinstalling the replacement or repaired part. IN NO EVENT SHALL JBI SAS BE LIABLE FOR LOSS OF USE, LOSS OF REVENUE OR LOSS OF PRODUCT OR PROFIT OR FOR INDIRECT CONSEQUENTIAL DAMAGES. THE ABOVE WARRANTY IS EXCLUSIVE AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE EXCLUDED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Any replacement parts, except lamps and fuses, which prove to be defective in material or workmanship within the Warranty period will be repaired or replaced without charge F.O.B. JBI SAS's factory. JBI SAS requires the faulty components to be returned for being inspected by JBI SAS's vendors to validate the warranty claim. NO RETURN WILL BE ACCEPTED BY JBI SAS WITHOUT PRIOR RETURN AUTHORIZATION.

Return of faulty component doesn't require to be done through courier and cost is borne by the original purchaser-user. JBI SAS is NOT RESPONSIBLE FOR RETURN SHIPPING DAMAGE. If you haven't got original packing, please ensure adequate packaging is used to ensure component integrity. All return shipments must be prepaid and insured.

For electrical and pneumatic components, replacement parts will be invoiced when despatched and credit note will then be issued when JBI SAS will have received a positive answer from the vendor on the validity of the claim.

EC DECLARATION OF CONFORMITY

Name of the manufacturer or supplier : **JAMES BURN INTERNATIONAL**

Address : **67 rue du Docteur Blaizot BP 134
61304 L'Aigle cedex (France)**

Description of product : **BINDING MACHINE**

Name, type or model : **WOB3500 200-240V, MKII, WOB2.211 onwards**

Serial number no. :

Standards used, including number, title, issue date and other relevant documentation :

IEC/EN60204-1	2006	Safety of machinery -electrical equipment of machine
CSA C22.2 N°14/UL508	2013	Safety of machinery -electrical equipment of machine
CSA/UL/IEC/EN: 60950-1	2010	Safety of information technology equipment, including electrical business equipment.
EN / ISO13857	2008	Safety distance
EN / ISO12100-1	2004	Safety of machinery -Analysis-
EN / ISO12100-2	2004	Safety of machinery -Estimate-
EN / ISO13850	2008	Equipment of Emergency stop
EN 61000-6-3	2002	Emission of electronic disturbances
EN 61000-6-1	2001	Immunity to electromagnetic disturbances

Place of issue : **L'AIGLE (61)**

Name of authorised representative : **Guy VATOME**
Is the authorised representative to constitute the technical records.

Position of authorised representative : **President JBI SAS**

I declare, as the authorised representative, that the above information in relation to the supply/manufacture of this product complies with all the essential health and safety requirements of the EC Machinery Directive (2006/42/CE) and EMC Directive 2004/108/CE, Low Voltage Directive 2006/95/CE as amended and with the national laws and regulations adopting this Directive.

Signature of authorised representative :



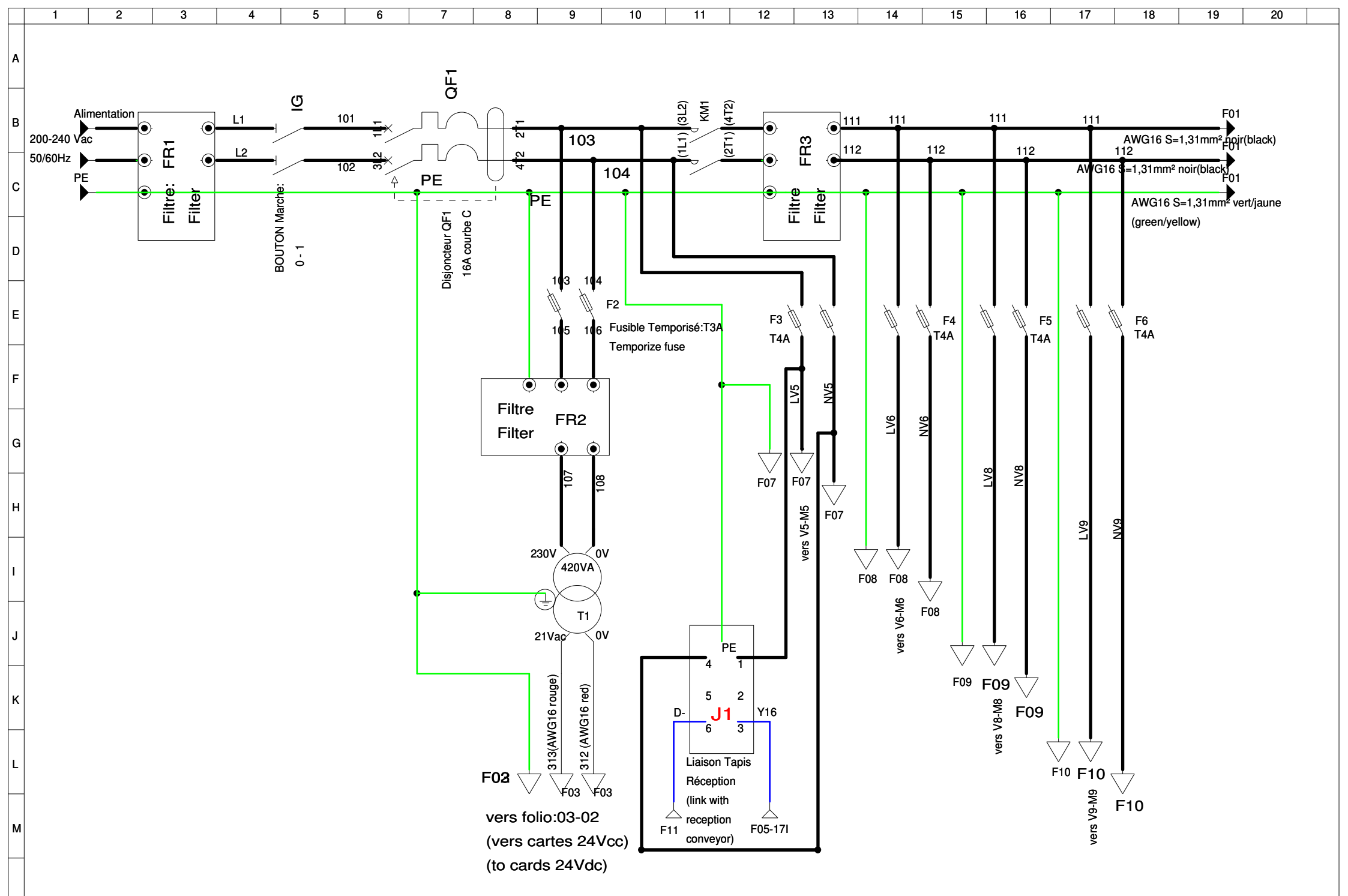
President JBI SAS

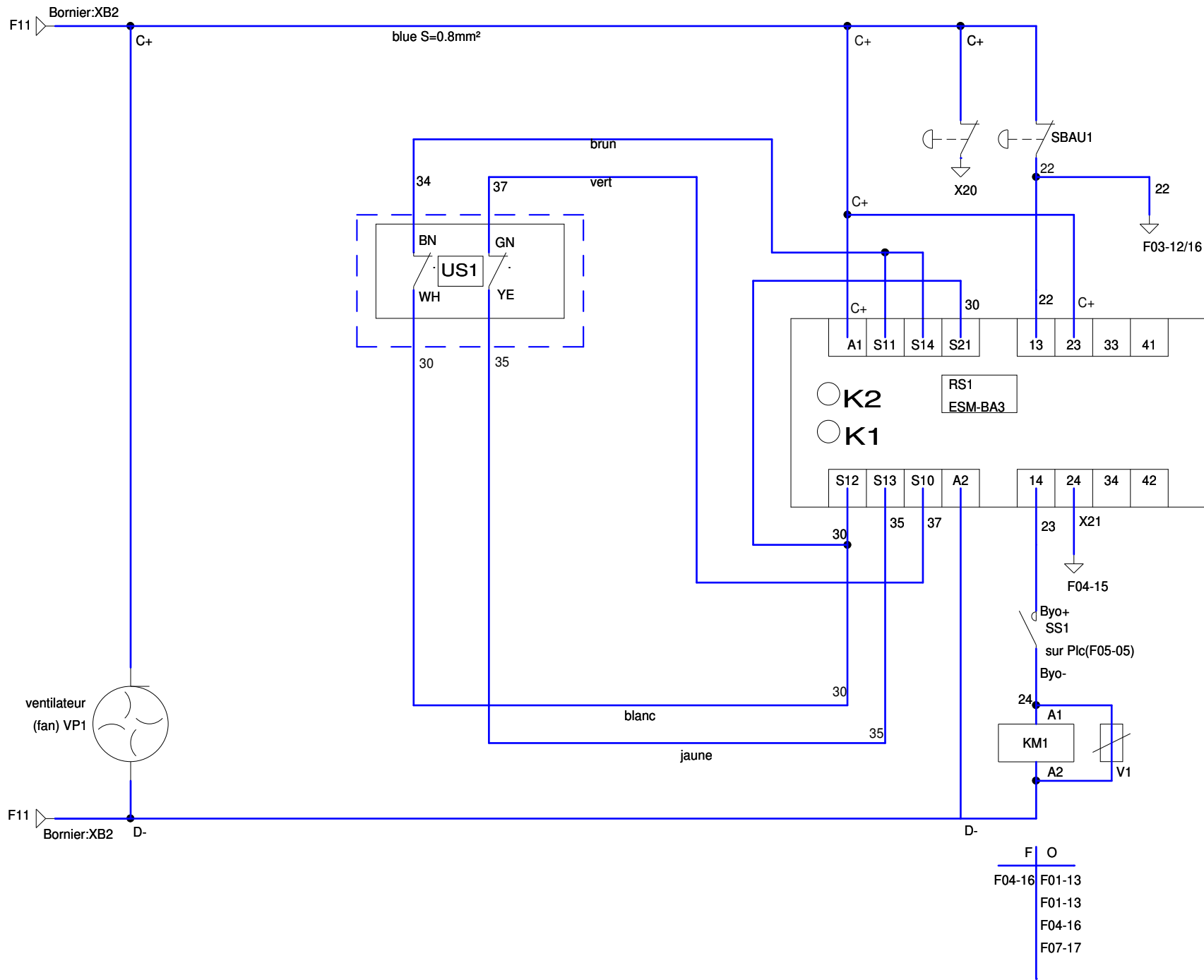
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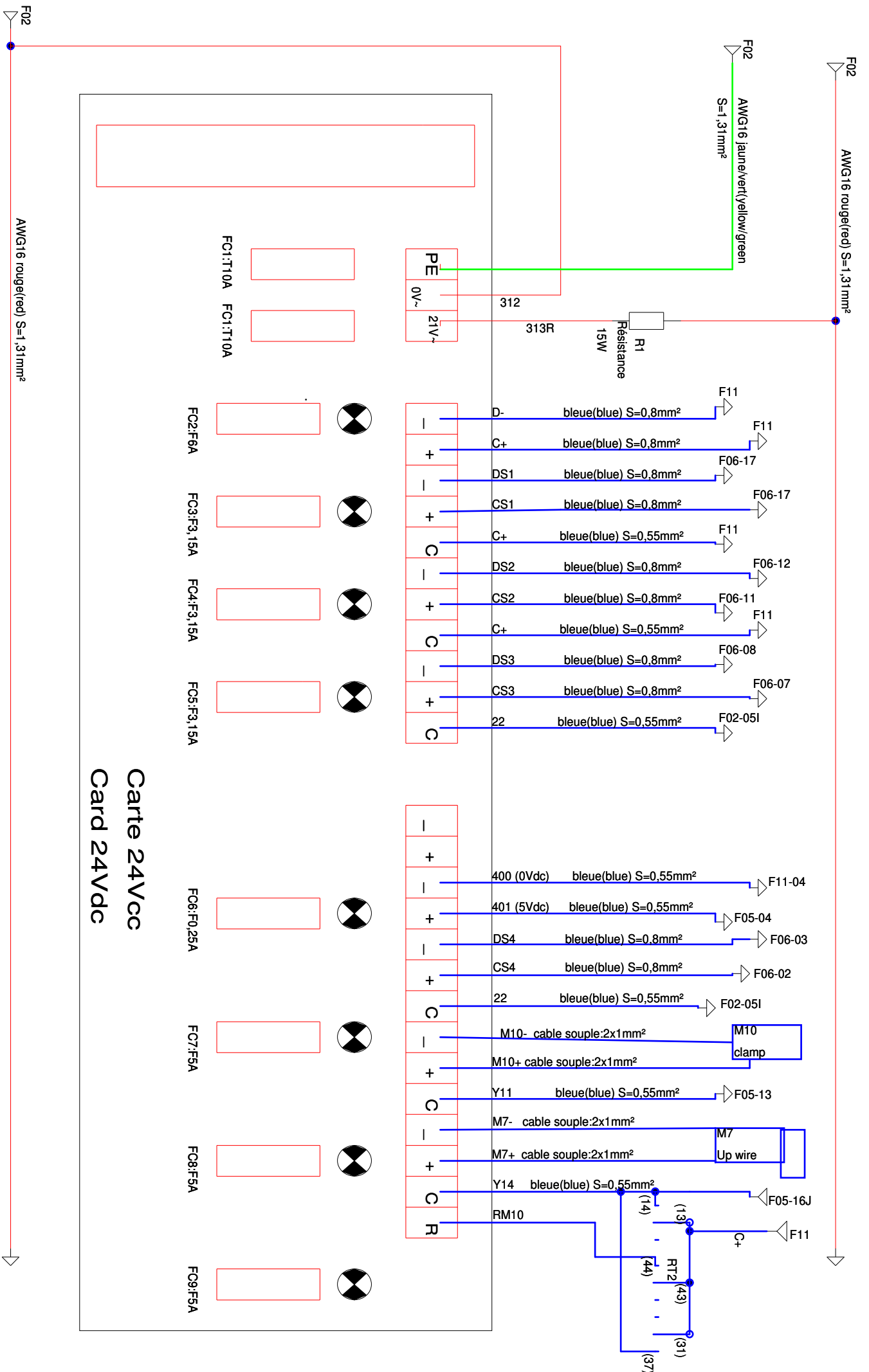
FOLIO	DESCRIPTION	DATE
01	Circuit de puissance - Power circuit : 200-240Vac 50/60Hz	17/05/2006
02	Circuit de sécurité - Safety line	02/02/2009
03	Circuit carte 24Vcc - Supply Card 24Vdc	17/05/2006
04	Entrées Automate - PLC inputs	17/03/2005
05	Sorties Automate - PLC Outputs	17/03/2005
06	Cartes Sanyo 3A 24Vcc moteur pas à pas - Step Motor : M1-M2-M3-M4	07/03/2007
07	Variateur de fréquence - Frequency inverter : M5 3 belts 200-240Vac 50/60Hz	09/11/2009
08	Variateur de fréquence - Frequency inverter : M6 cutter 200-240Vac 50/60Hz	09/11/2009
09	Variateur de fréquence - Frequency inverter : M8 spool 200-240Vac 50/60Hz	09/11/2009
10	Variateur de fréquence - Frequency inverter : M9 bind 200-240Vac 50/60Hz	09/11/2009
11	Réception tapis - Reception conveyor M10 200-240Vac 50/60Hz	09/11/2009
12	Bornier - Terminal : XB2-YB1	17/03/2005
13	Implantation platine - Electrical Cabinet Settling	09/11/2009
14	Option système crochets - Hanger feeder option	17/03/2005

Machine à relier : WOB3500IIER
JAMES BURN INTERNATIONAL
BINDING Machine: WOB3500IIER
avec tapis réception
(with reception conveyor)
version 200-240 Vac 50/60Hz
A partir N° 211 (02/ 2009)

D	JE07095 + JE06077 + JE06078 Remplacer par relai de sécurité: JE07098 + JE07099 + JE07100	02/02/2009			
C	Replace :JE29022 by JE29065	07/03/2007			
B	Alimentation Var V5 et V10	17/05/06	E	replace all inverters: JE11032 by JE11046	09/11/2009
IND	MODIFICATION	DATE	IND	MODIFICATION	DATE
DES.	RESP.	DATE	ECH.		
JAMES BURN INTERNATIONAL 67, rue du docteur Blaizot 61304 L'AIGLE cedex					
CLIENT					
N° AFFAIRE 0305ER-0E		INDICE	E	N° JBI	
CE PLAN NE PEUT ETRE COMMUNIQUE SANS AUTORISATION					







Carte 24Vdc
Card 24Vdc

AWG16 rouge(red) S=1,31mm²

AWG16 jaune/vert(yellow/green)
S=1,31mm²

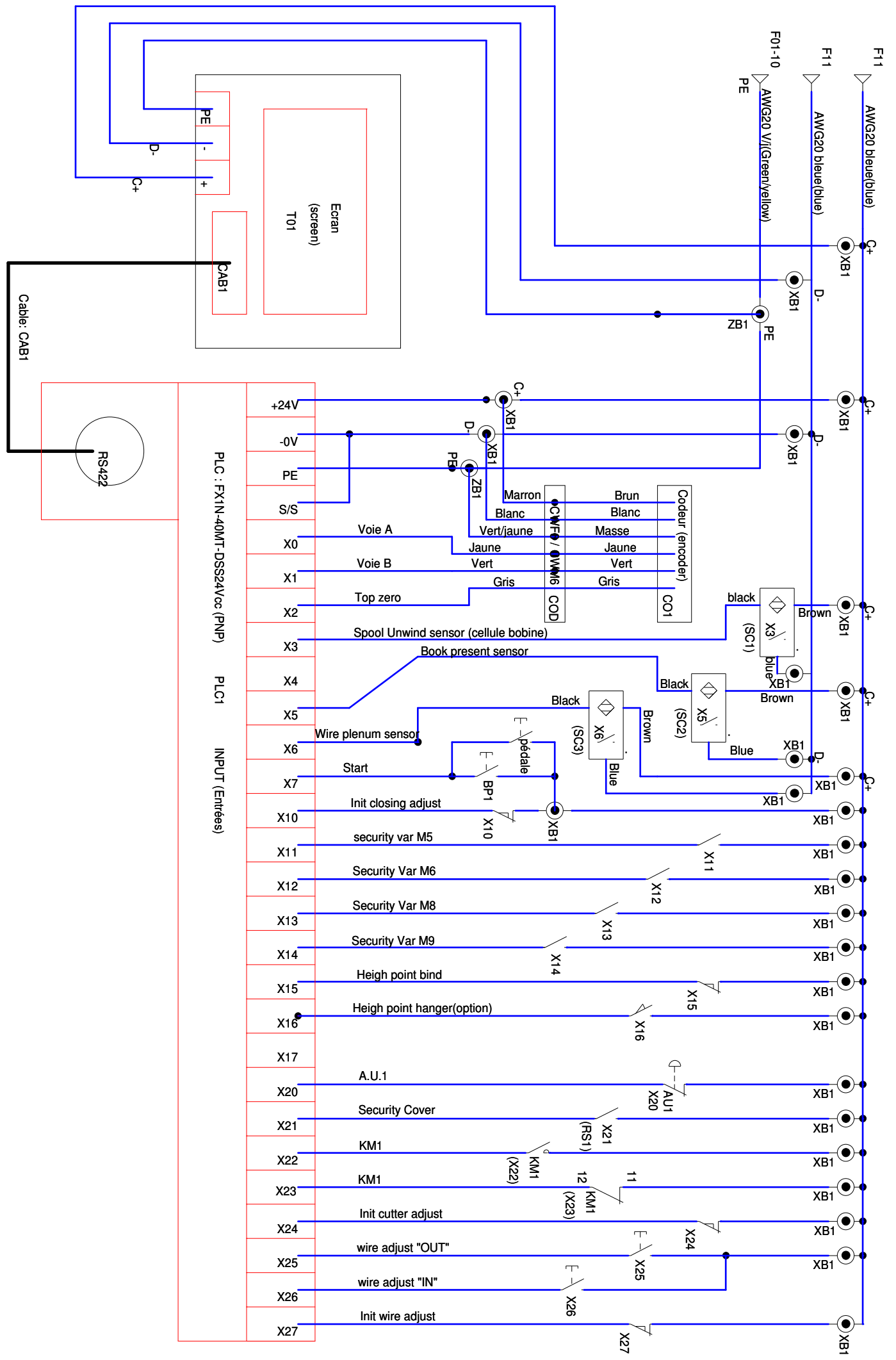
DESSINE PAR: JH
DATE: 17/03/2005

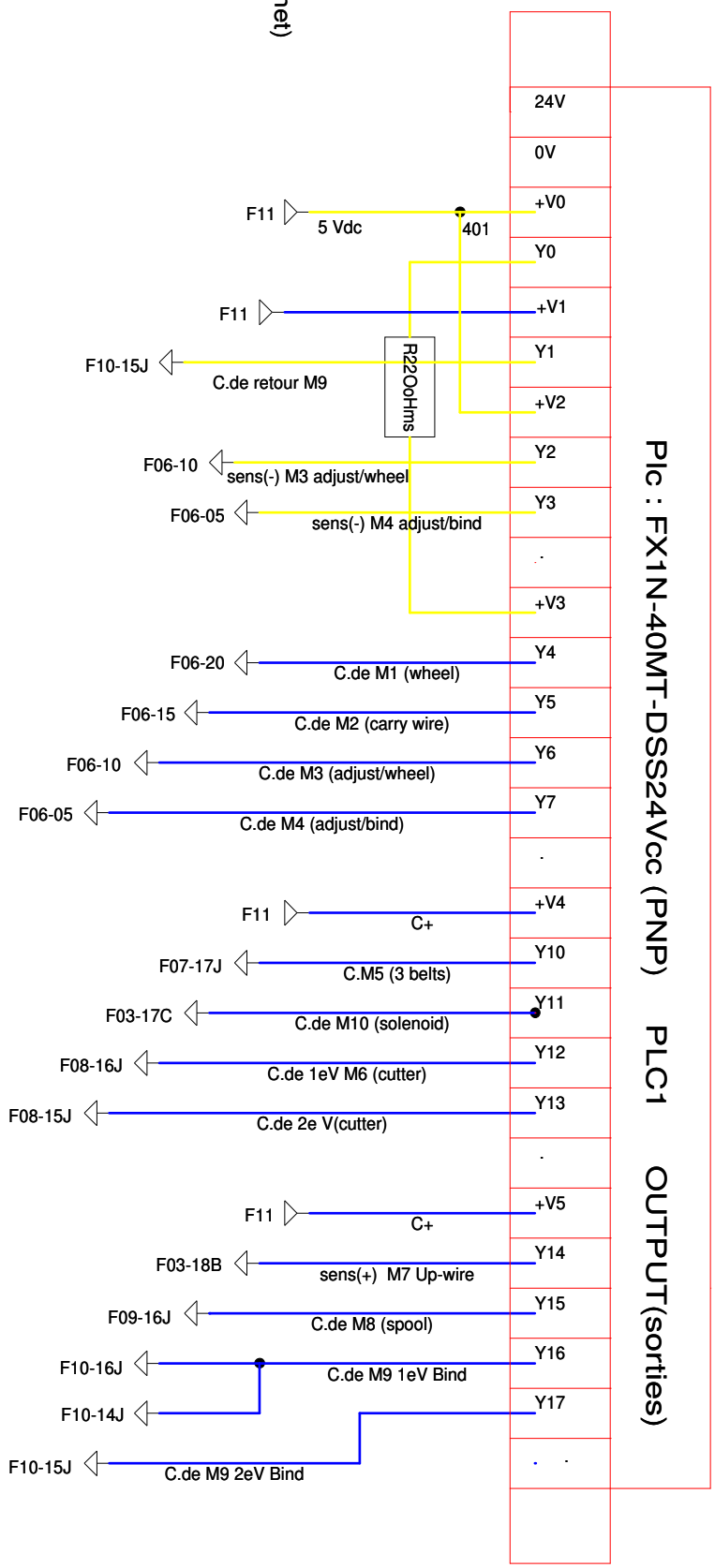
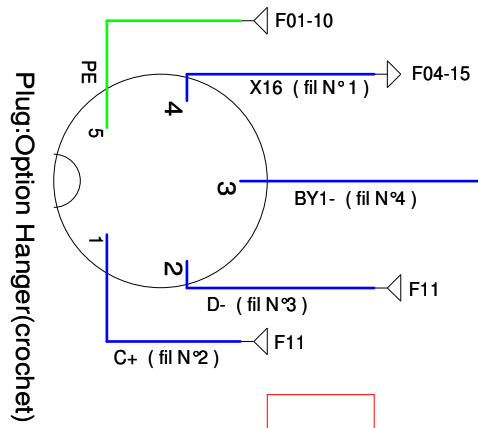
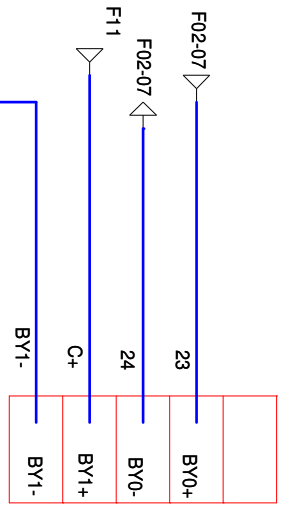
Wob35001IMK2 version 200-240 Vac
AFFAIRE N°0305ER-0E 50/60HZ

JAMES BURRN International

Circuit carte 24Vdc
Supply card 24Vdc

FOLIO
03





PLC1 : FX1N-40MT-DSS24Vcc (PNP) PLC1 OUTPUT(sorties)

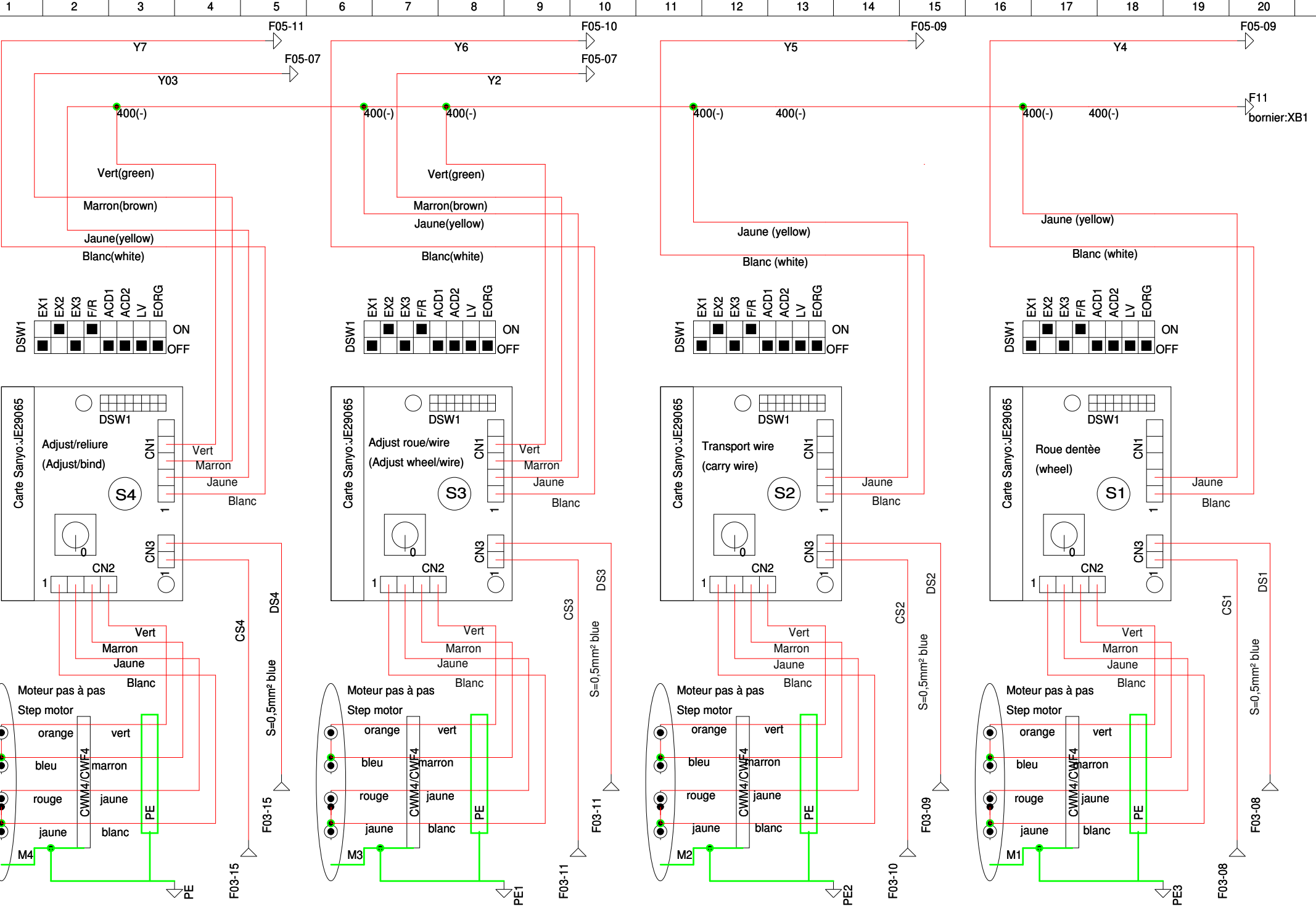
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DATE: 17/03/2005

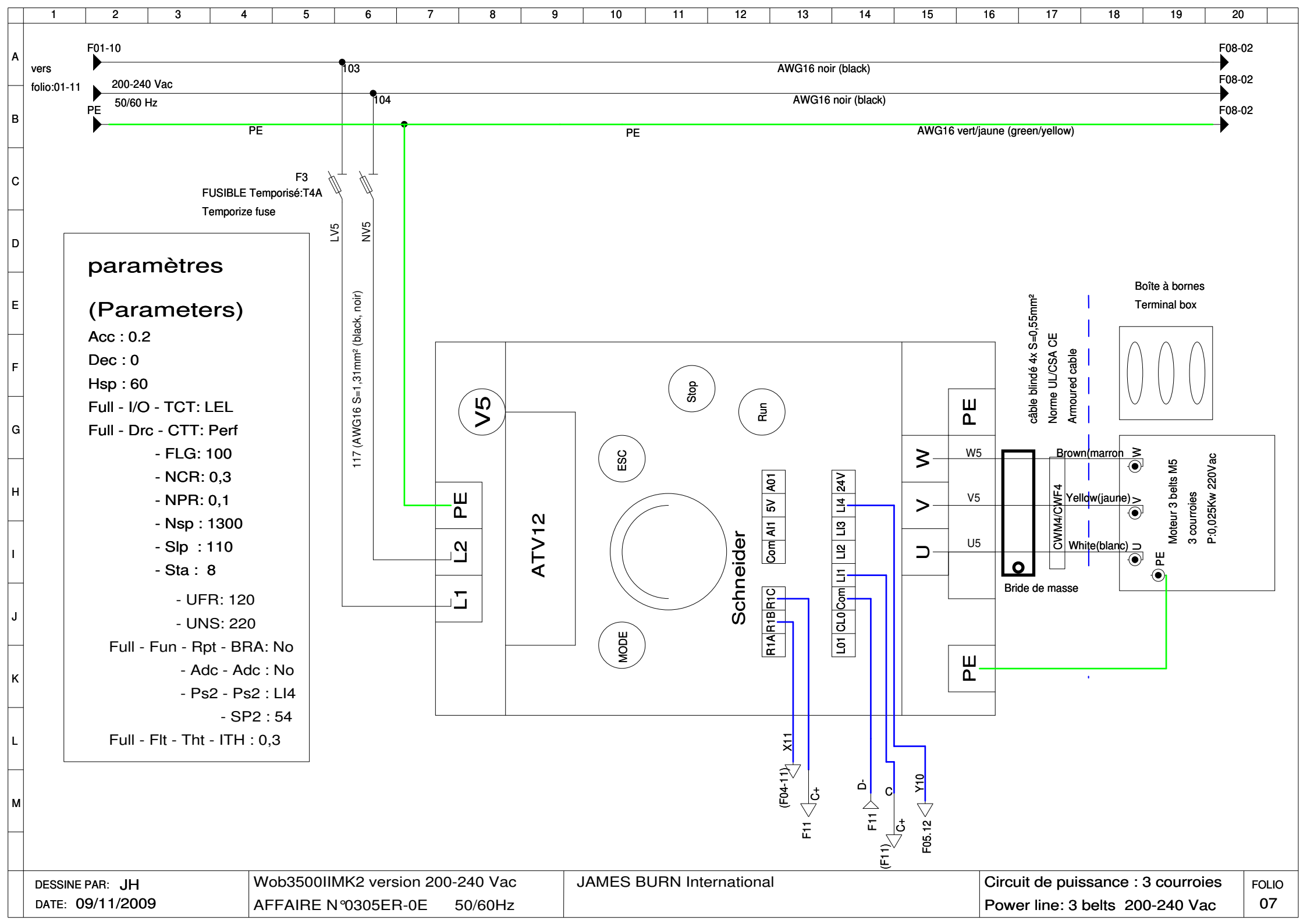
Wob3500IIMK2 version 200-240 Vac
AFFAIRE N°0305ER-0E 50/60HZ

JAMES BURRN International

Output Plc: FX1N-40MT-DSS 24Vcc
(Sorties Plc)

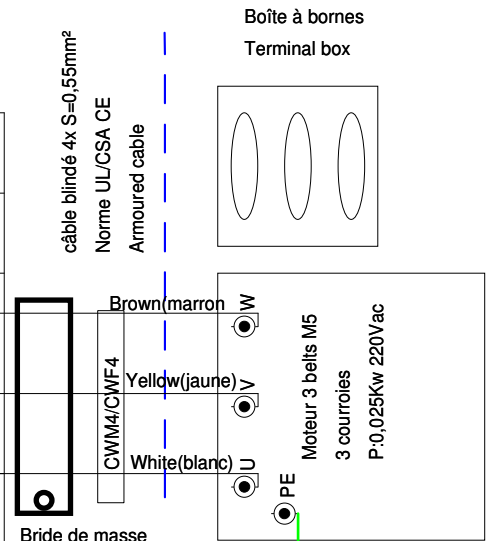
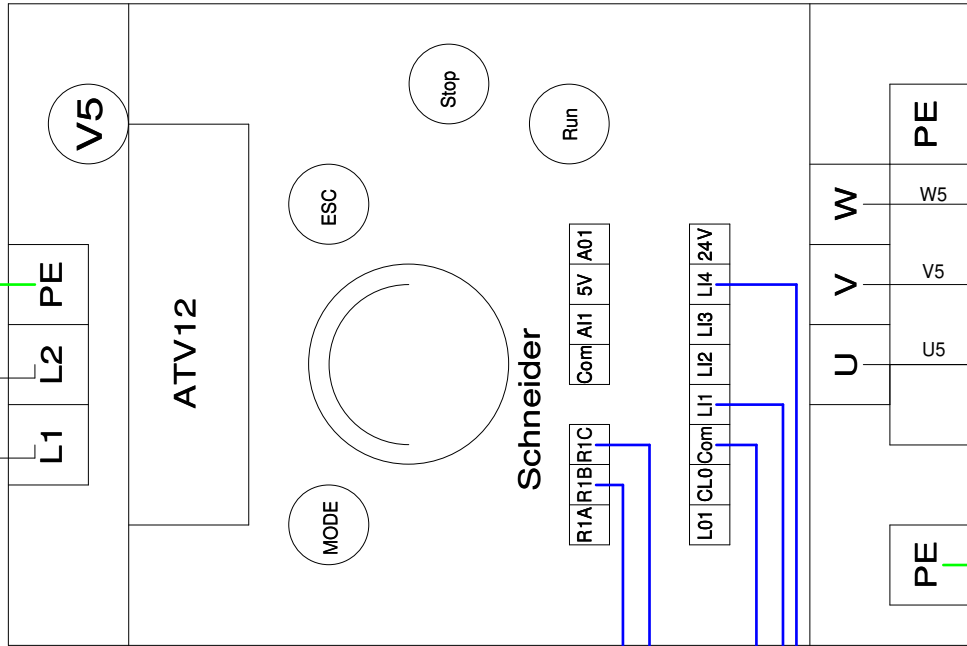
FOLIO 05

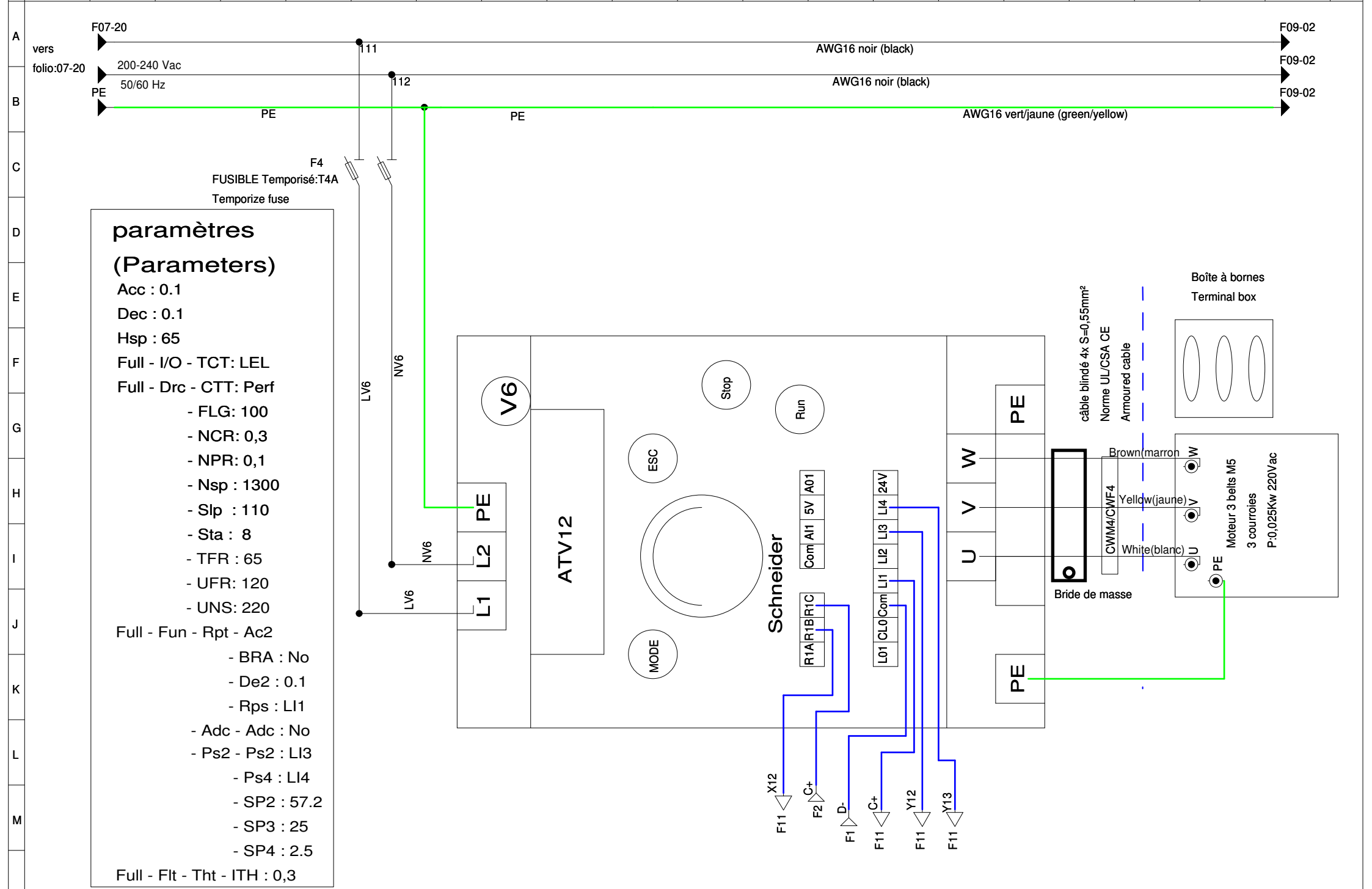


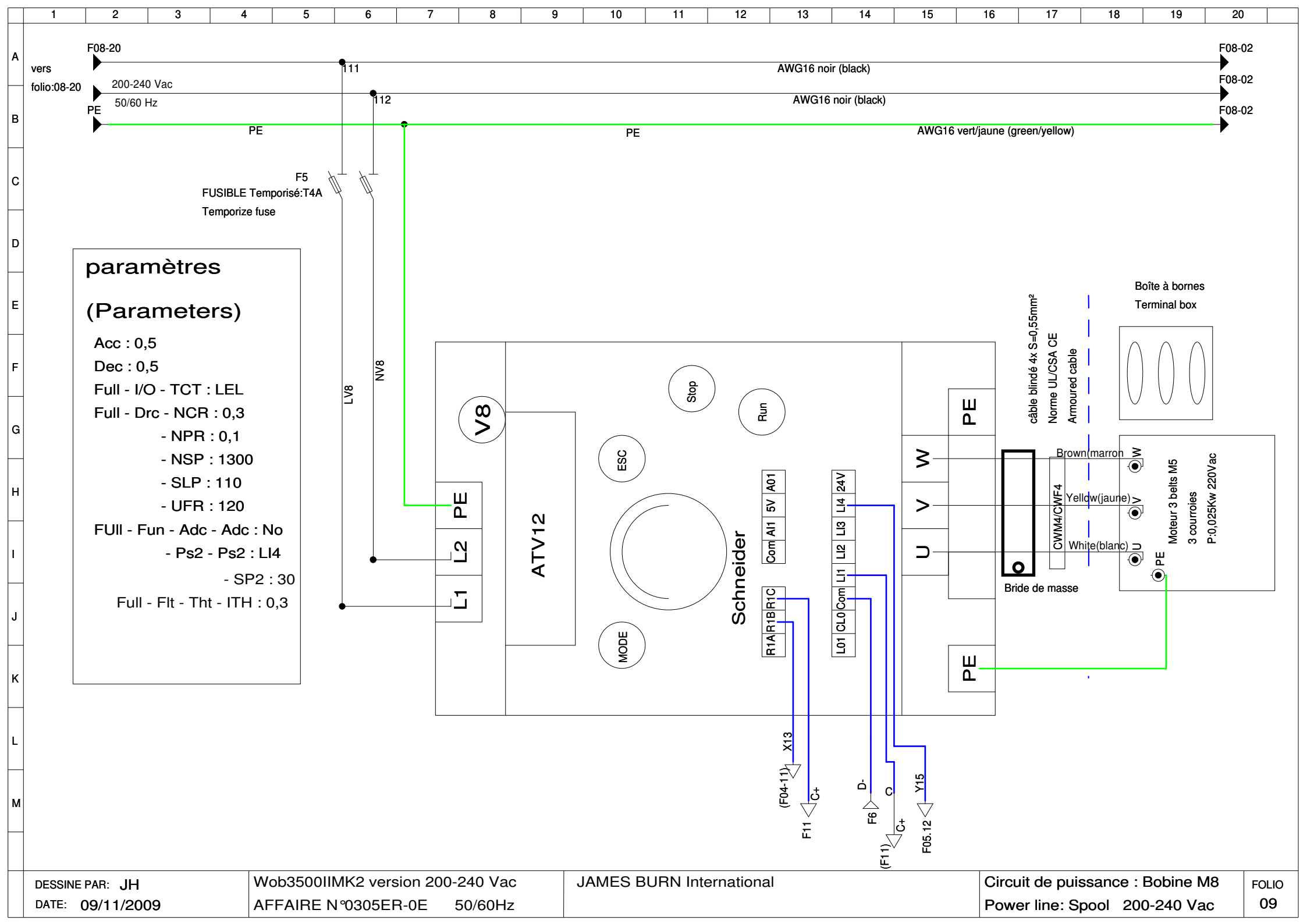


paramètres (Parameters)

- Acc : 0.2
- Dec : 0
- Hsp : 60
- Full - I/O - TCT: LEL
- Full - Drc - CTT: Perf
 - FLG: 100
 - NCR: 0,3
 - NPR: 0,1
 - Nsp : 1300
 - Slp : 110
 - Sta : 8
- UFR: 120
- UNS: 220
- Full - Fun - Rpt - BRA: No
- Adc - Adc : No
- Ps2 - Ps2 : LI4
- SP2 : 54
- Full - Flt - Tht - ITH : 0,3





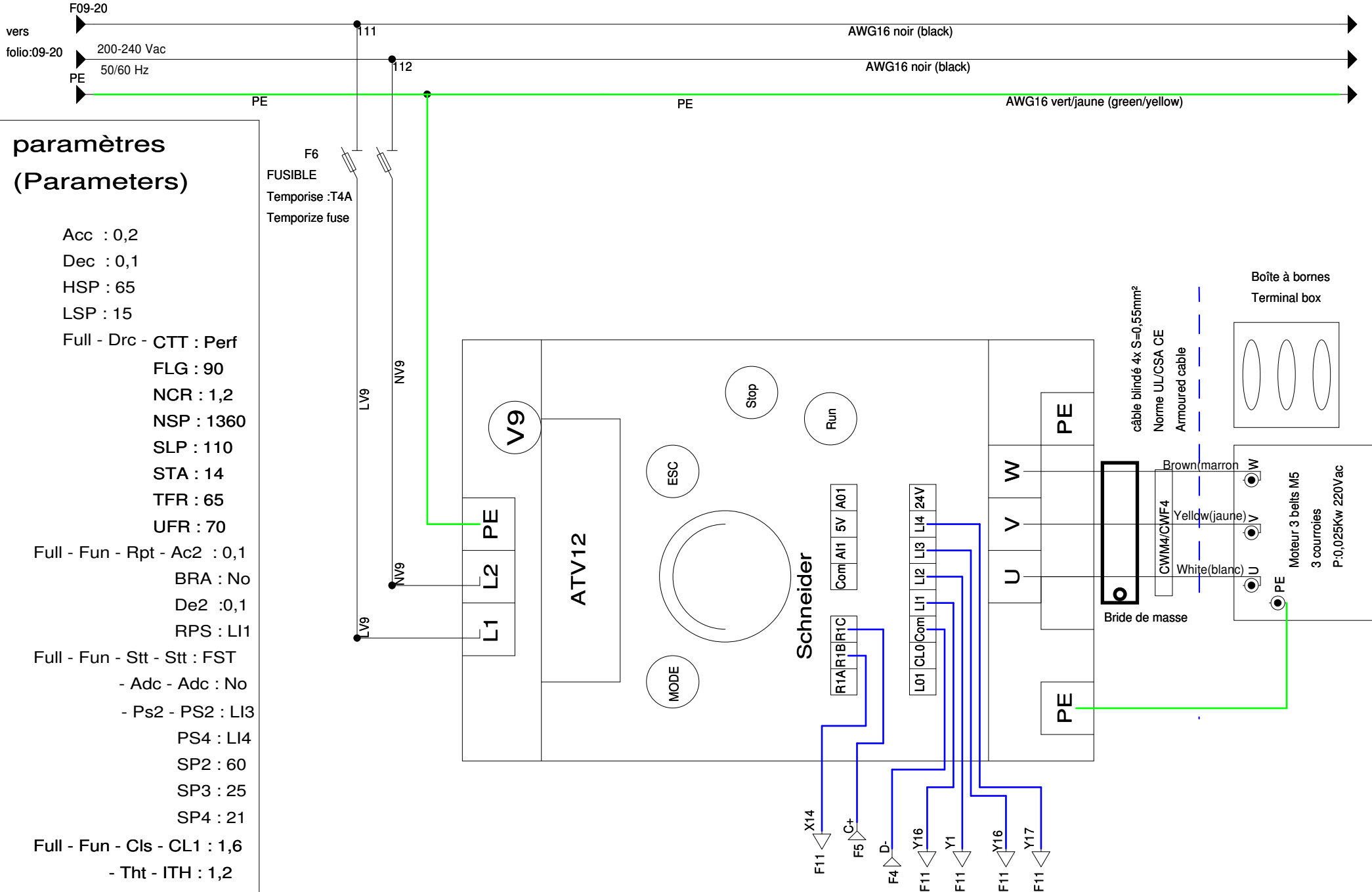


paramètres
(Parameters)

Acc : 0,5
 Dec : 0,5
 Full - I/O - TCT : LEL
 Full - Drc - NCR : 0,3
 - NPR : 0,1
 - NSP : 1300
 - SLP : 110
 - UFR : 120
 Full - Fun - Adc - Adc : No
 - Ps2 - Ps2 : LI4
 - SP2 : 30
 Full - Flt - Tht - ITH : 0,3

paramètres (Parameters)

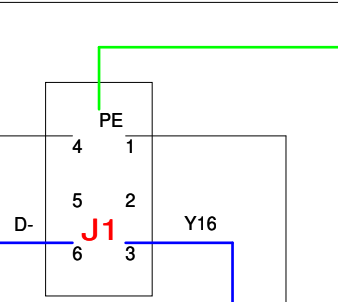
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 LSP : 15
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 FLG : 90
 NCR : 1,2
 NSP : 1360
 SLP : 110
 STA : 14
 TFR : 65
 UFR : 70
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 BRA : No
 De2 : 0,1
 RPS : LI1
 Full - Fun - Stt - Stt : FST
 - Adc - Adc : No
 - Ps2 - PS2 : LI3
 PS4 : LI4
 SP2 : 60
 SP3 : 25
 SP4 : 21
 Full - Fun - Cls - CL1 : 1,6
 - Tht - ITH : 1,2



paramètres
(Parameters)

Acc: 0,2
Dec: 0,5
Full - Fun - Rpt : BRA: No
- Adc : Adc: No
- Ps2 : Ps2: LI4
: SP2: 46

Liaison Tapis Réception
(link with reception conveyor)

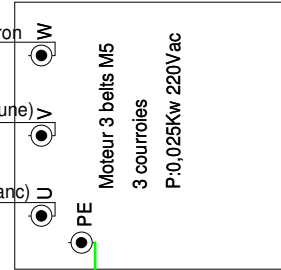
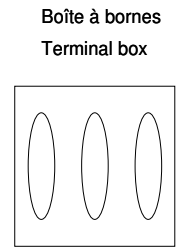
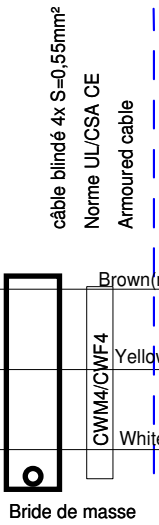
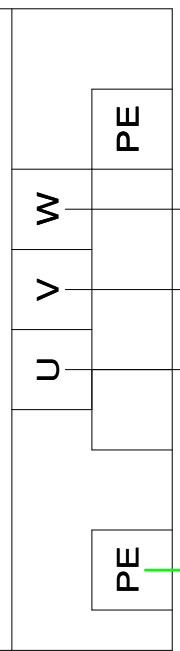
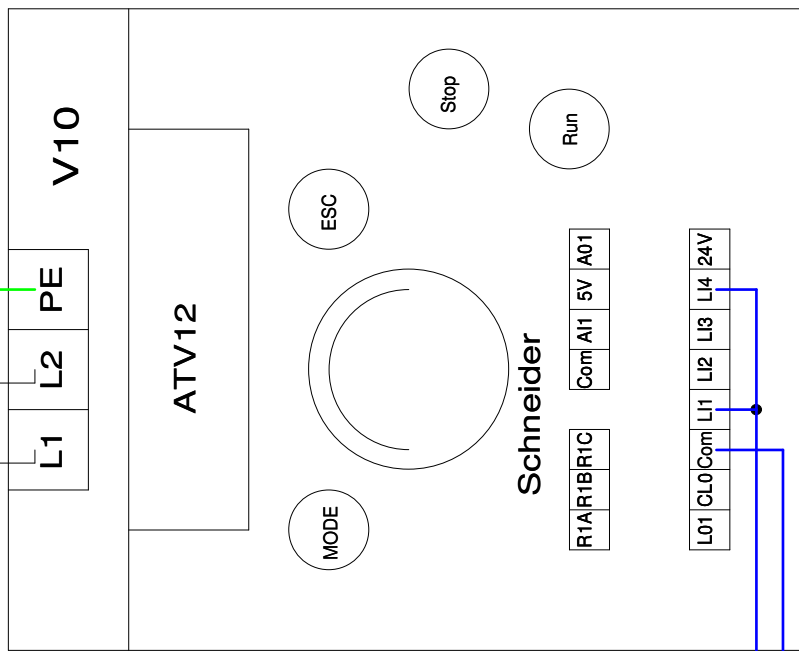


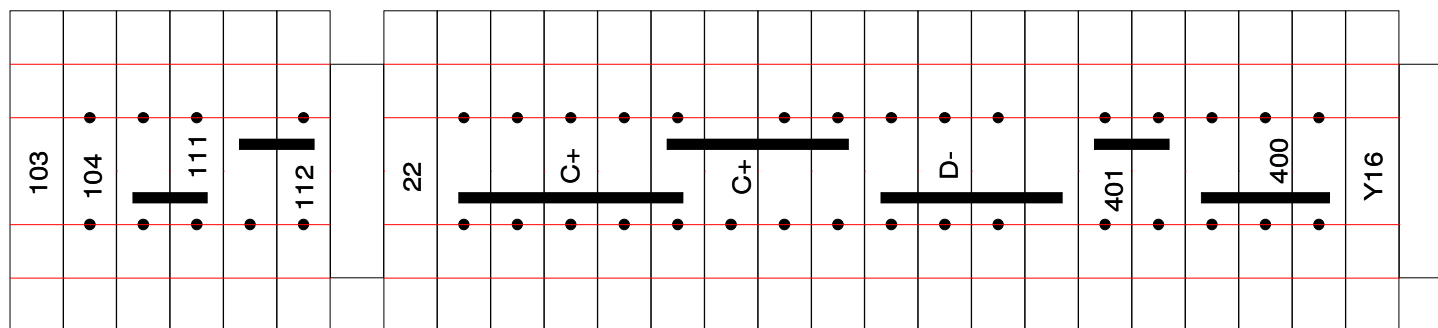
LV5

NV5

NV5

LV5





Bornier: YB1
(Terminal)

Bornier: XB2
(Terminal)

KM1(folio: 02-05) V9(folio: 10) V6(folio: 08)

JE07067 JE11046 V8(folio: 09)JE11046

JE11046

V5(folio: 07)
JE11046

JE25027 : QF1(folio: 01-07)

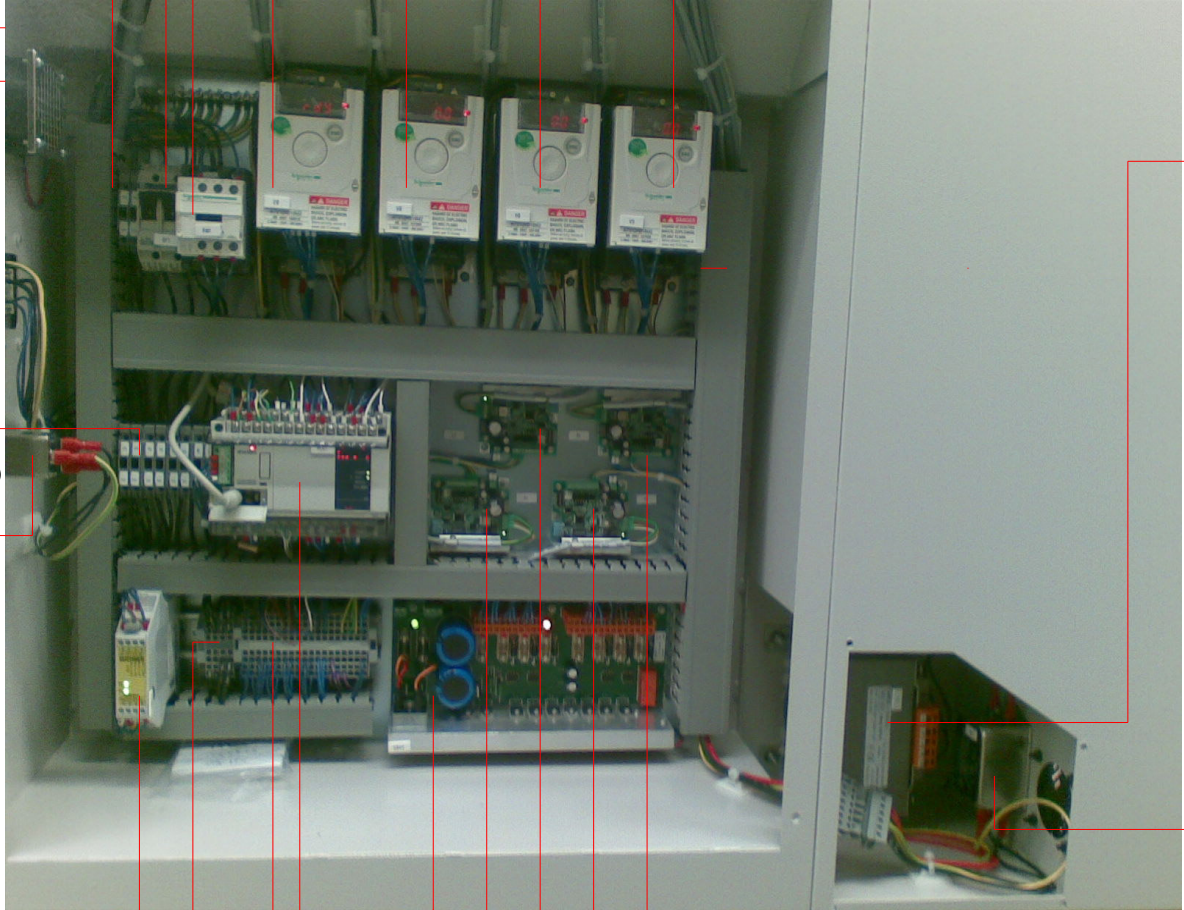
JE25016 : F2(folio: 01-09)

IG(folio: 01-05)
JE06032: Switch

VP1(folio: 02-03)
JE27011:FAN

F3-F4-F5-F6
(folio: 01-13/14/15/17/18)

FR1(folio: 01)
JE15029



T1(folio:01-09)
JE08013

FR2(folio: 01-09)
JE15054

JE07098 : RS1

YB1(folio: 11)

XB2(folio: 11)

PLC1(folio: 04/05)
JE29051+JE29054

C24V(folio: 03) JE29064

S1(folio: 06-19) JE29065

S2(folio: 0-14) JE29065

S3(folio: 06-09) JE29065

S4(folio: 06-04) JE29065

