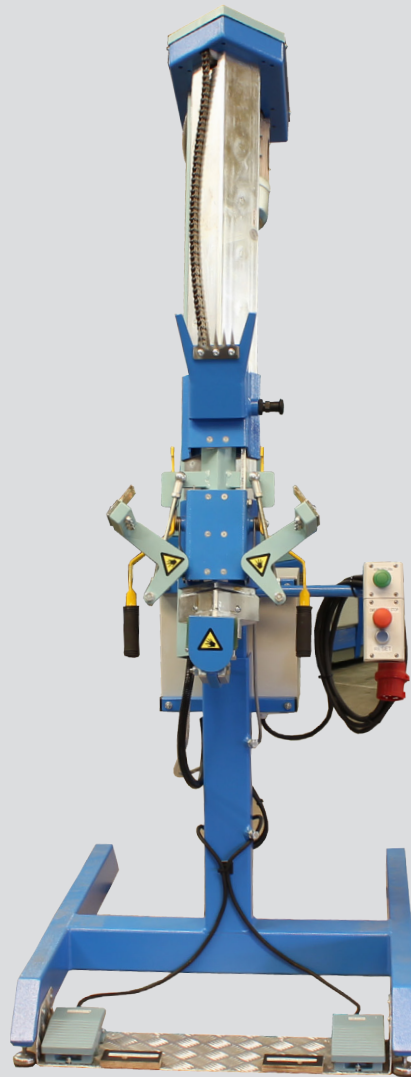


USER MANUAL 

JASOPELS SKINNING TOWER

PRODUCT NO. 32100013



Our quality – your choice

Jasopels 

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2. PREFACE

- Congratulations on buying a Jasopels skinning tower!
- This User Manual and safety guidelines are necessary for safe and correct use of the machine. Read it carefully before starting to use the machine and keep it for future reference.
- This manual contains important information about the safety and proper use of the machine. All users should be trained in the correct use of the machine. The supervisor is also responsible for instructing the machine operator.
- The manual should be stored with the machine. It is important that the user manual is supplied with the machine upon resale and loan.
- The user of the machine must make sure that the operator, service personnel and others who have access to the machine are instructed on the proper use and handling of the machine.
- Refer to this User Manual for further information.

3. DECLARATION OF CONFORMITY

DECLARATION OF CONFORMITY WITH EU REGULATIONS

Equipment type: GET 0092
Description: Jasopels Skinning Tower

Manufacturer:
Name: Jasopels a/s
Address: Fabriksvej 19
Postal code and city: 7441 Bording
Telephone: 98 42 05 66

JASOPELS PRODUKTION A/S DECLARES UNDER ITS SOLE RESPONSIBILITY THAT THE PRODUCT CONFORMS TO THE FOLLOWING EU DIRECTIVES:

- Directive 73/23/EEC of 19 February 1973 (low-voltage directive), as amended by the CE marking directive 93/68/EEC of 22 July 1993
- Directive 2006/42/CE – machinery directive

THE FOLLOWING HARMONIZED STANDARDS HAVE BEEN APPLIED, IN WHOLE OR IN PART:

- EN 60204-1 : Safety of machinery. Electrical equipment of machines. Part 1: General requirements
- EN 60439-1 : Low-voltage switchgear and controlgear assemblies. Type-tested and partially type-tested assemblies
- EN ISO 12100 : Safety of machinery. General principles for design. Risk assessment and risk reduction
- EN ISO 13850 : Safety of machinery. Emergency stop function. Principles for design

DECLARATION ISSUED BY:

Name: Poul A. Bach
Company: Jasopels A/S
Address: Fabriksvej 19
Postal code and city: 7441 Bording



Signature:

Date: 15 September 2015

Administration Director, Poul A. Bach, Fabriksvej 19, 7441 is authorized to submit technical documentation.

Updated on 3 / 11-2016

4. EXPLANATION OF SYMBOLS

- Please read this manual and follow the included instructions. In order to emphasize certain information, the following expressions are used:

NOTE!



A triangle containing an exclamation mark is a warning symbol that warns you about important instructions or information concerning this machine.

WARNING!



A triangle containing a warning about a crush or injury hazard.

5. PRESENTATION OF THE MACHINE

5.1 MACHINE DESCRIPTION

- Jasopels 3210-187005 skinning tower has been designed and manufactured for mink skinning.
 - Simple operation
 - Reliability. Stable production.
- Jasopels 3210-187005 skinning tower is easy to operate, both mechanically and electrically.
- Easy maintenance

5.2 IMPORTANT INFORMATION

IMPORTANT INFORMATION FOR THE SUPERVISOR.

NOTE!

- The supervisor must make sure that the operator, service personnel and others who have access to the machine are instructed on the proper use and handling of the machine. Read the manual carefully to obtain further information.
- The machine has been designed and made specifically for mink skinning and must not be used for other purposes.
- If any problems should occur with the machine or its operation, they must not be corrected before the machine is properly de-energized. Changes of operation and small software corrections can be made via the machine's control buttons. Observe the guidelines included in this manual.
- The user manual should always be kept available for the operator.



6. START OF OPERATION

6.1 BEFORE USING THE MACHINE

- Before the skinning tower can be used, make sure that it is standing on a firm and stable surface. (Use the adjustable machine feet to achieve the desired position).
- The machine can be used only for skinning of previously prepared minks.

6.2 WARNINGS

DANGER!

To avoid any entanglement and crush hazard during the machine's operation, it is important that the operator should observe all safety instructions and does not touch the moving parts in the machine, especially the mink holders.

- A sudden, unexpected movement of the holders after starting the machine can be dangerous.



- Do not attempt to stop any of the moving parts by hand. **To prevent dangerous situations always use the emergency stop**
 - Do not use the Stop button to prevent dangerous situations.
 - In a hazard always use the emergency stop.
- The Jasopels Skinning Tower is factory-fitted with a 5-pin 400V EU plug. Always use the machine with this plug to provide earthing.

7. SAFETY

NOTE!

The machine's power supply cable must be earthed.
If this requirement is not observed, the warranty becomes void.

(Absence of earthing can cause an unintentional execution of the program or errors)



IMPORTANT:

Any kind of work involving the machine that does not include the skinning process, such as cleaning, making adjustments, etc., may only be performed when the power is disconnected.



NOTE!

In order to prevent possible damage to the control unit's microcontroller and the rest of the electrical system during thunderstorms, it is recommended to disconnect the power when the machine is not in use.



7.1 USER SAFETY

1. The machine operator must be instructed in detail in using the machine and must know the manual and safety rules. The supervisor is responsible for instructing the operator.
2. Due to the weariness caused by monotony and repeatability of the work Jasopels recommends that the operators do not work on the machine longer than 4 hours per shift. The supervisors are responsible for enforcing this requirement. Jasopels recommends rotating personnel at this workplace.
3. When working on the machine do not wear loose hanging objects and loose clothes on your body and around your head.
4. Protect long hair and beards with a net or something similar. Working on the machine with unprotected long hair and beards is prohibited due to safety hazard.
5. The supervisor is responsible for enforcing the requirements from 3 and 4 above to the same degree as individual operators.
6. The operator shall wear personal protective equipment:
 - Protective footwear
 - Gloves (recommended)
 - Safety glasses (recommended)

7.2 MACHINE SAFETY

1. Observe the safety regulations when installing the machine.
2. The machine must be used only according to its intended purpose. See section 4.2

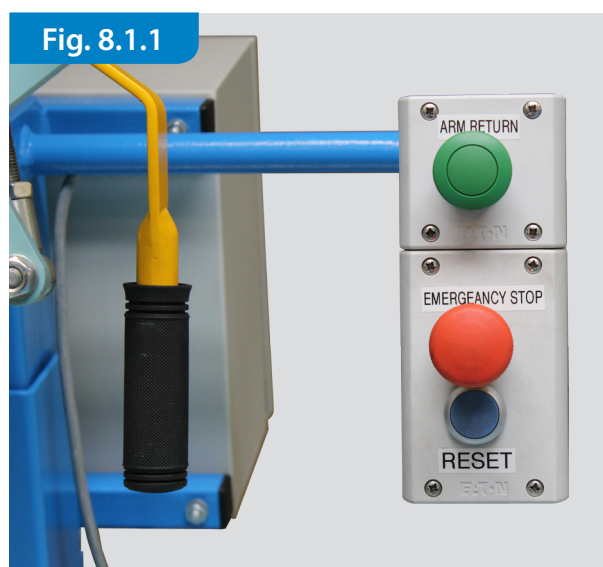
8. OPERATION

8.1 BUTTONS AND FUNCTIONS

8.1.1 EMERGENCY STOP

Stops the machine immediately. The machine will remain in the position in which it was stopped. Use the blue Reset button to restart the machine after an emergency stop.

Note! The emergency stop should be used only in hazardous situations, not for regular stopping of the machine.



Emergency stop

8.1.2 CLAMPING JAWS

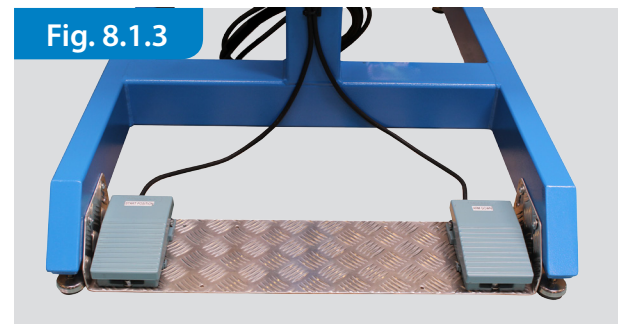
To activate the clamping jaws pull the handle.

8.1.3 PEDALS

- **Left pedal**
Press the pedal to move the carriage to the home position (top). The movement lasts as long as the pedal is pressed.
- **Right pedal**
Press the pedal to move the carriage down the tower and remove the skin from the mink. The movement lasts as long as the pedal is pressed, i.e. when you release the pedal the movement will be interrupted.



Clamping jaws handle



Pedals activating the carriage in the tower

9. CONNECTIONS

9.1 CEE PLUG

9.1.1 TILSLUTNING

The machine is connected to the mains using a CEE 400V plug.

Correct electrical connections and earthing are important for the operator safety and uninterrupted operation of the machine.

NOTE!

Never disconnect the power when the motor is running.

You can unplug the machine only when the machine is not in operation.



9.2 CONNECTING OTHER EQUIPMENT

It is prohibited to connect other equipment to the Jasopels machine.

10. DESCRIPTION OF FUNCTIONS

Machine functions:

10.1 START

The electric motor starts when either pedal is pressed. The machine runs only when the carriage is in motion, i.e. when the pedal is released the motor is inactive.

10.2 MINK FASTENING

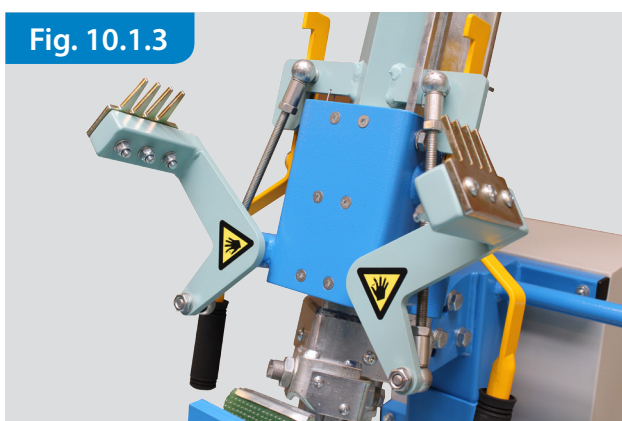
- Fasten the prepared mink by its hind legs with the teeth facing up, See Fig. 10.1.2



Teeth facing up

10.3 MINK SKINNING

1. To skin the mink, pull the skin to approximately half length.
2. Place the skin in the clamping device in the bottom part of the machine and pull the handle to activate the clamping device.
3. Activate the clamping jaws on the mink. See Fig. 10.1.3.
4. Press the right pedal to start the downward pull.
5. The skin is removed from the mink.
6. The clamping device on the mink and the clamping device on the skin release their grip and the cycle starts again – see 1 above.



11. TROUBLESHOOTING

11.1 TROUBLESHOOTING TABLE

Failure/ mode	Description
Emergency Stop	Emergency Stop is activated. Restart the machine: first deactivate the emergency stop button and then press the blue Reset button.
Machine does not work	Check connection to the mains
Motor runs, but machine does not work	Have the machine checked by a qualified technician. Contact the Technical Department at Jasopels A/S.
Clamping jaws do not open or close	Have the machine checked by a qualified technician. Contact the Technical Department at Jasopels A/S.
Clamping device does not open or close	Have the machine checked by a qualified technician. Contact the Technical Department at Jasopels A/S.

12. HANDLING AND TRANSPORT

12.1 HANDLING

The handling of the machine should be performed by a technician.

12.2 TRANSPORT

The transport of the machine should be performed by a technician.

A trustworthy person should supervise the target area of machine operation and the other person should supervise transportation safety. These two people should communicate with each other.

The machine can be transported on a pallet as shown in Fig. 12.2.1.

It takes at least two people to place the machine on the pallet. After placing the machine, strap it securely to the transportation pallet.



Fig. 12.2.1

13. MAINTENANCE

The machine should be correctly maintained for effective day-to-day operation. There are three levels of maintenance.

13.1 OPERATOR'S LEVEL

Maintenance performed by an operator.

- Before starting the machine, inspect all visible surfaces for signs of damage. Visible damage should be evaluated by a technician.
- Before starting the machine, check all moving parts for correct operation:
 - Test the clamping jaws, clamping device and carriage;
 - Defects of mechanical parts should be evaluated by a technician.
- Before starting the machine, inspect cables for signs of wear. The cables should run far from traffic areas in order to avoid damage. All cable damage should be evaluated by a qualified technician.
- Perform the daily cleaning, remove impurities from the machine. Keep the workplace clean.
- It is recommended to clean the tower, jaws and clamping device every day after work.

13.2 TECHNICIAN'S LEVEL

Maintenance performed by a technician.

- Visible damage should be evaluated by a technician.
- Inspect the moving parts such as the tower, carriage, jaws and clamping device at least every 6 months. Replace mechanical parts if necessary.
- Run the emergency stop test at least every 6 months.
- Check the physical placement of the machine, i.e. adjust the height (feet) if necessary and check the correct location in the work area.

13.3 AUTHORIZED SERVICE LEVEL

Maintenance performed by an authorized service.

Errors in power consumption and in the mains should be repaired by a qualified electrician. All works relating to the power supply and the electrical system of the machine should be performed by a qualified electrician.



GET0092-Flåtårn

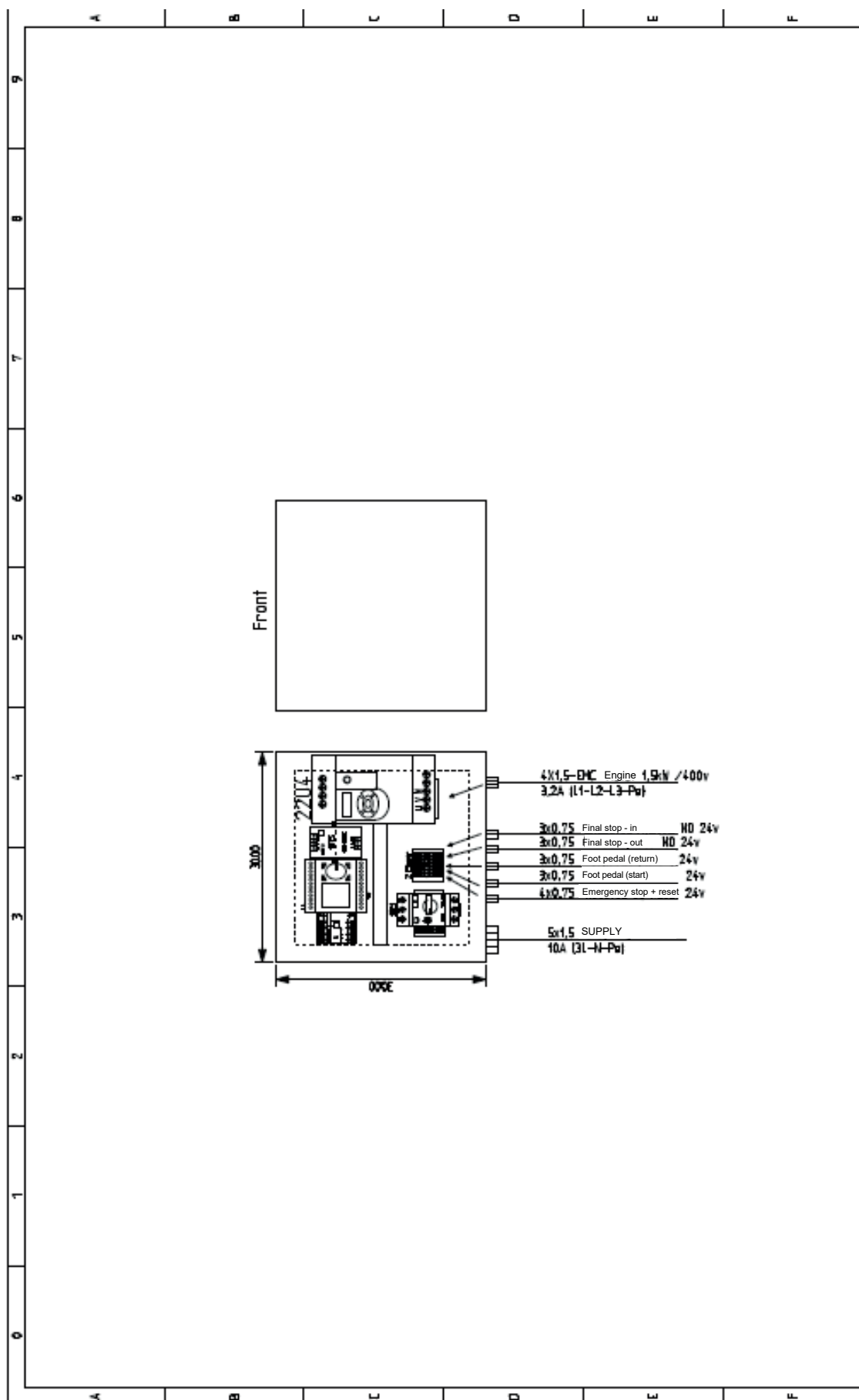
Electric circuits

Skinning tower

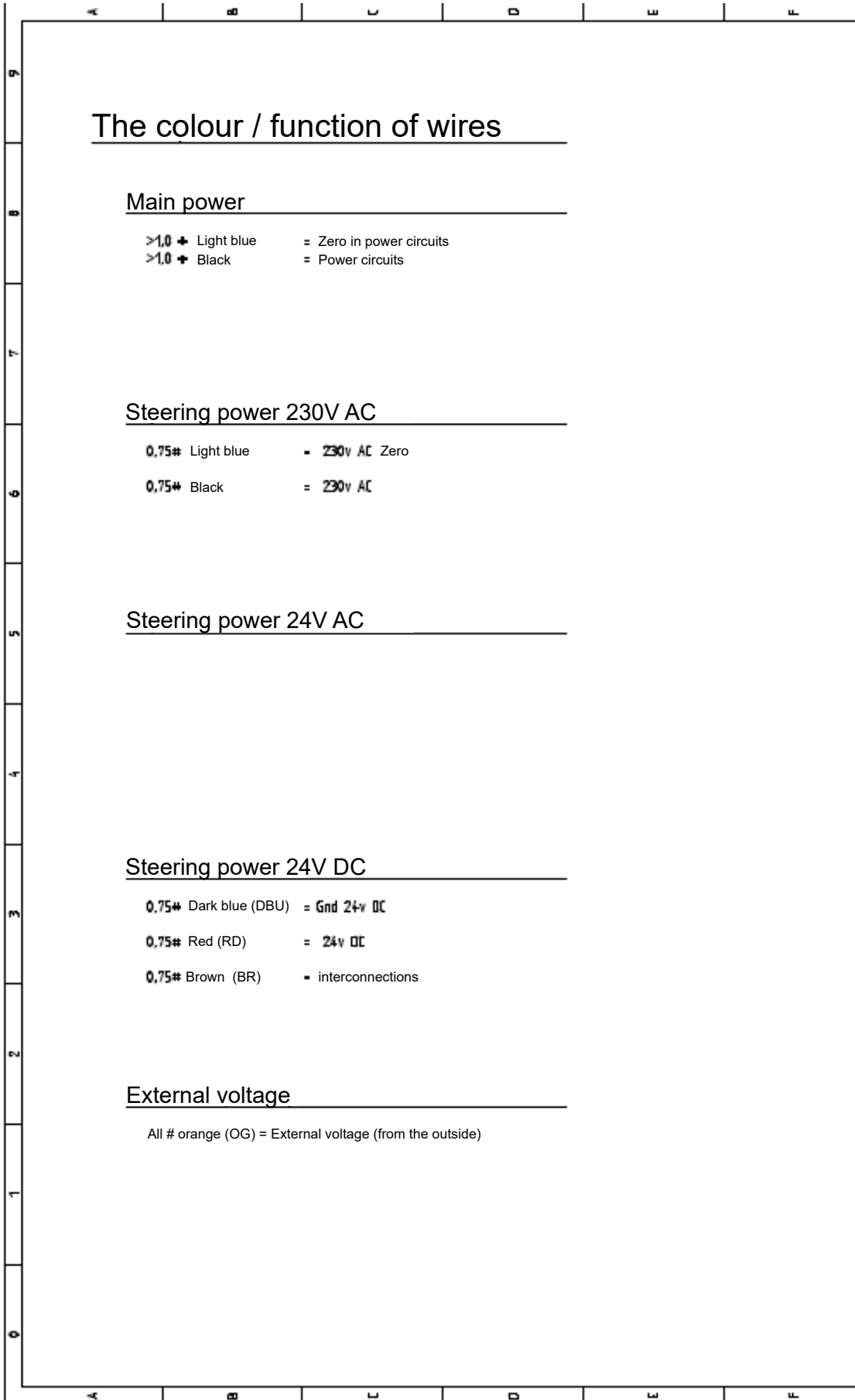
Rockwell components

Type / Serial no.: GET0092-Flåtårn

created on: 20-11-2014



	Skinning tower December 2014	Layout	Proj. no: CE10092-R010-m	Drawing no:	Updated: 20-11-2014	Fuit: XLS
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The colour / function of wires

Main power

- >1,0 # Light blue = Zero in power circuits
- >1,0 # Black = Power circuits

Steering power 230V AC

- 0,75# Light blue = 230v AC Zero
- 0,75# Black = 230v AC

Steering power 24V AC

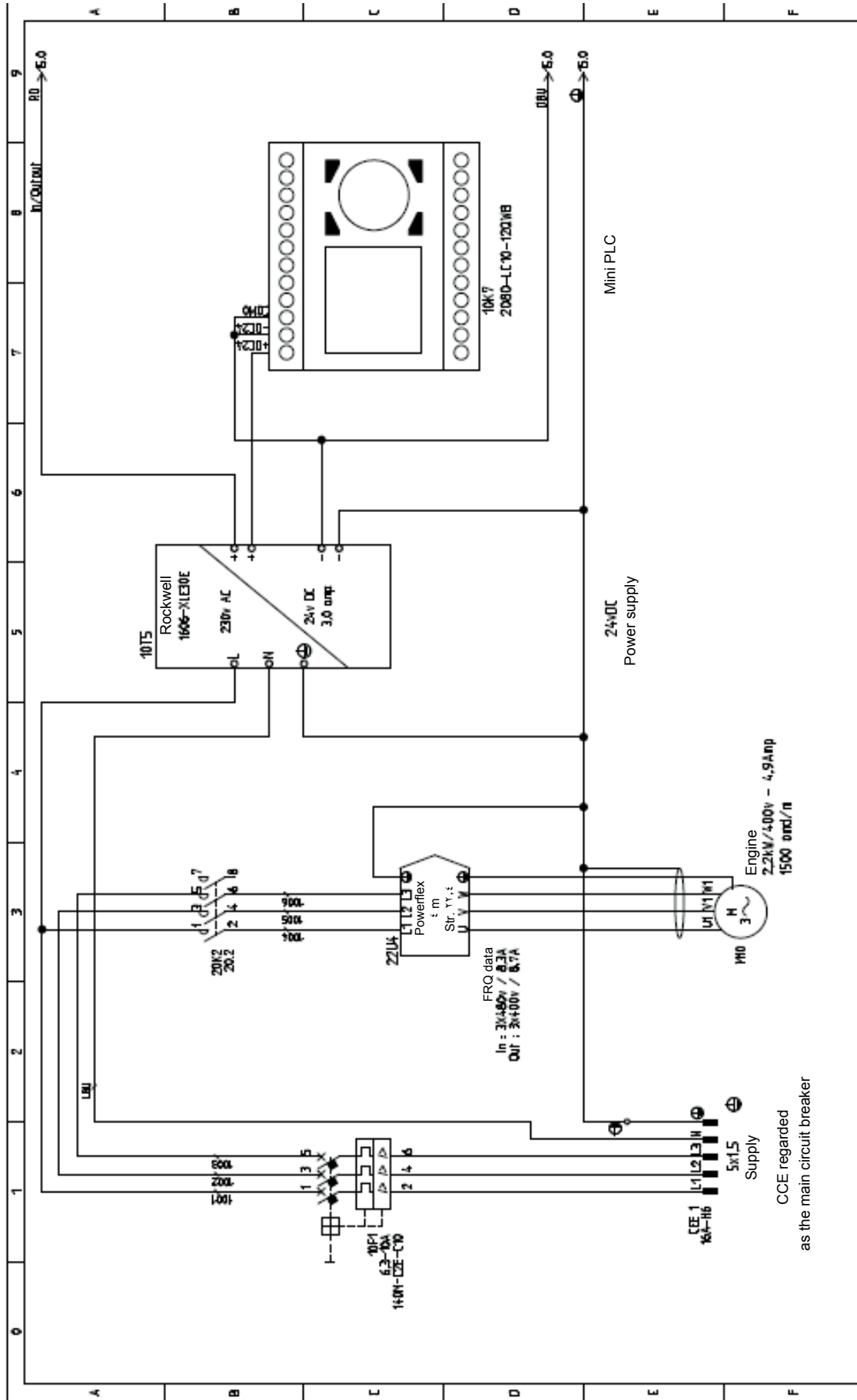
Steering power 24V DC

- 0,75# Dark blue (DBU) = Gnd 24v DC
- 0,75# Red (RD) = 24v DC
- 0,75# Brown (BR) = interconnections

External voltage

All # orange (OG) = External voltage (from the outside)

Fuit:	Updated:	20-11-2014	Proj. no:	GE10092-Ribbin
	Page:	4	Date:	20-11-2014
Drawing no:	Plac:		Wire colours	Skinning tower December 2014
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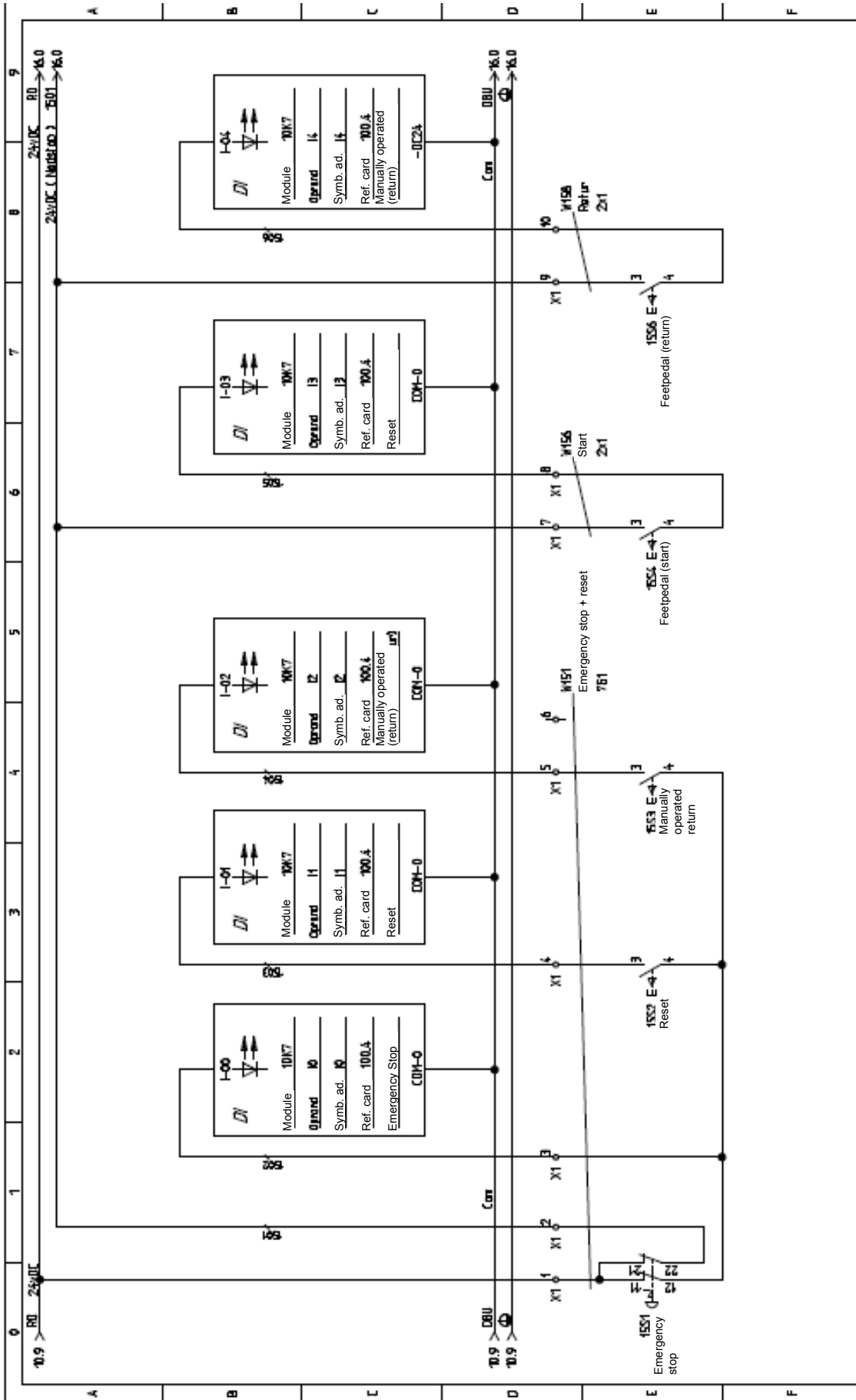



Supply / Main power

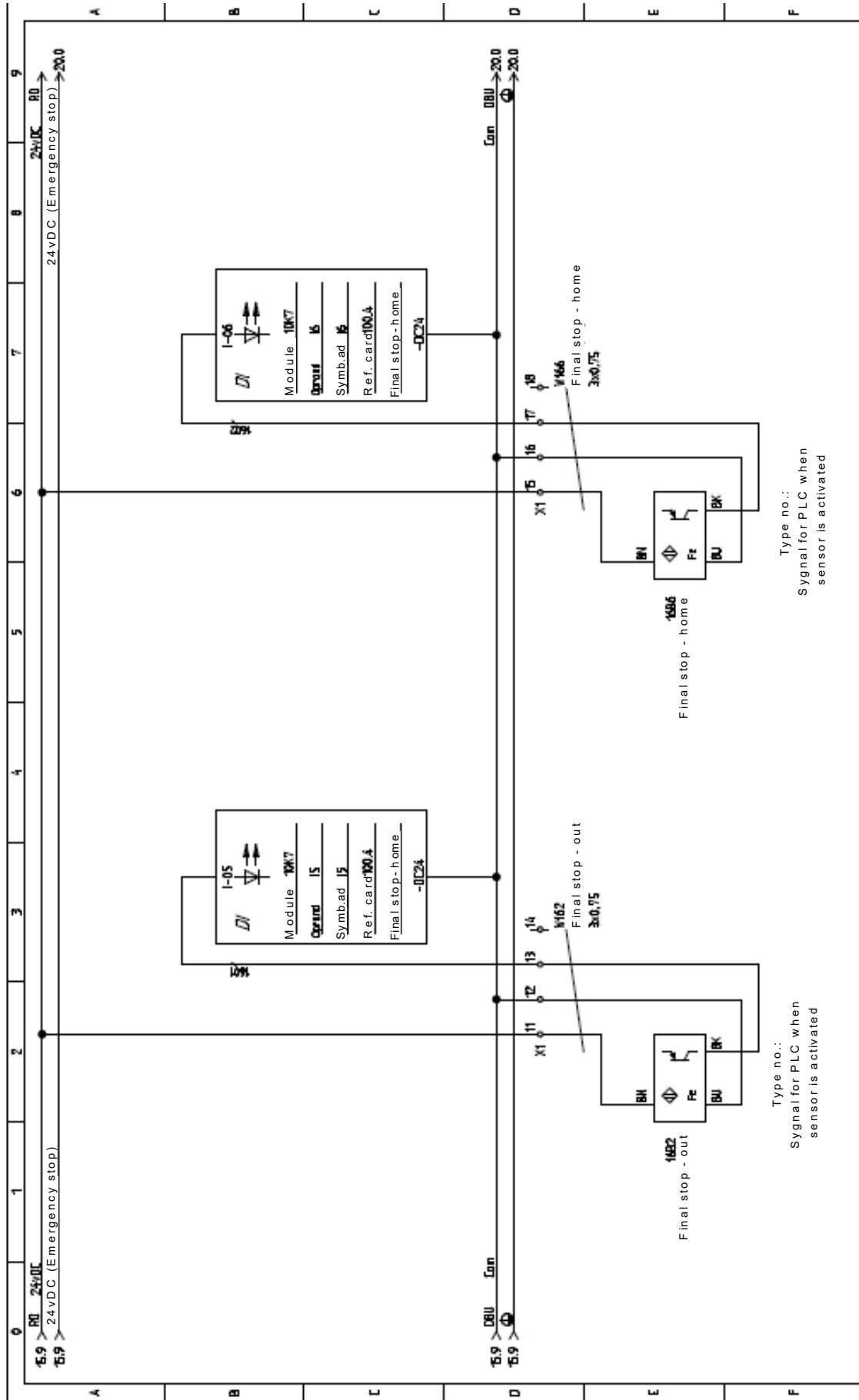
Skinning tower
December 2014


CCE regarded
as the main circuit breaker

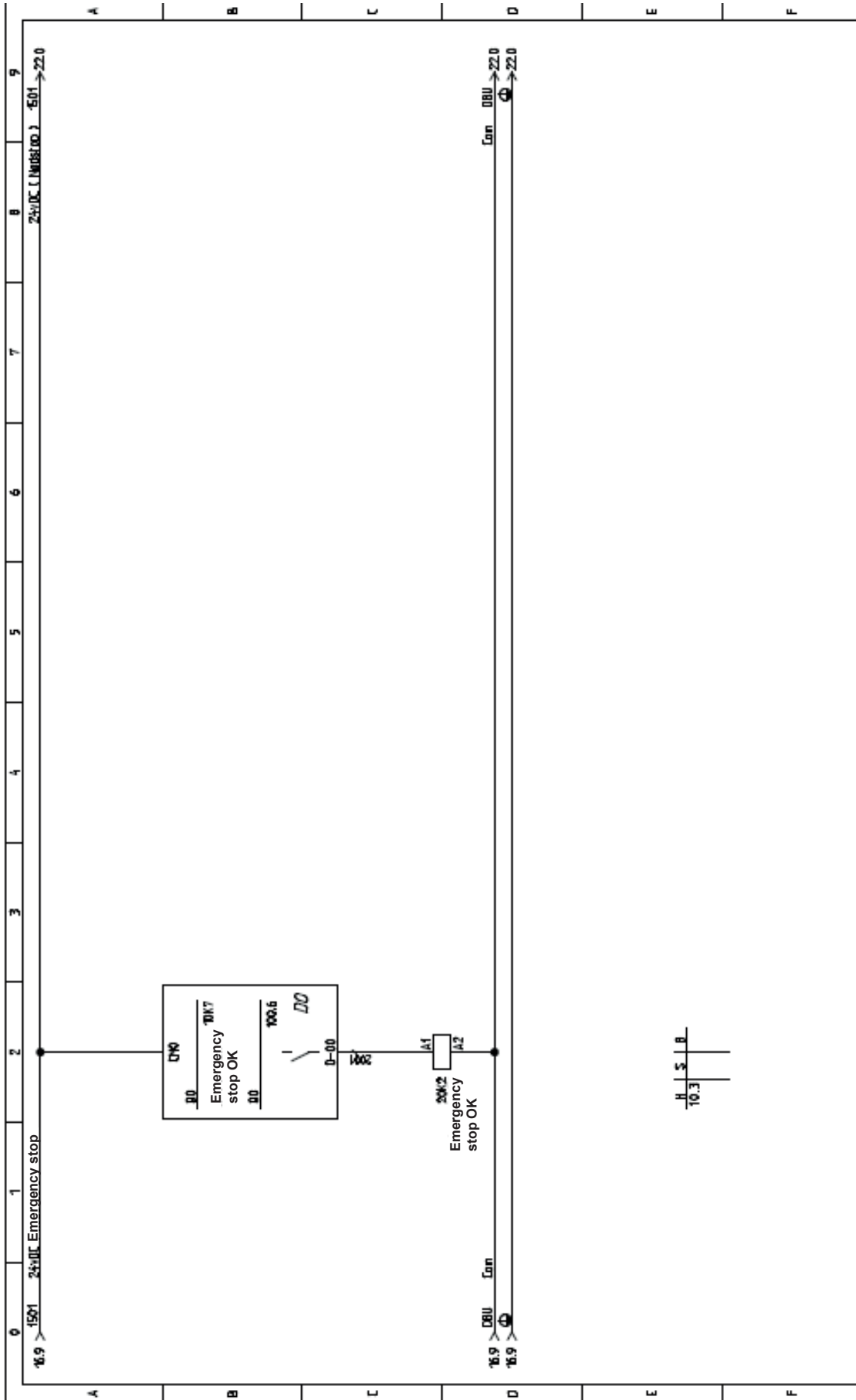




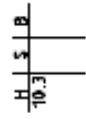
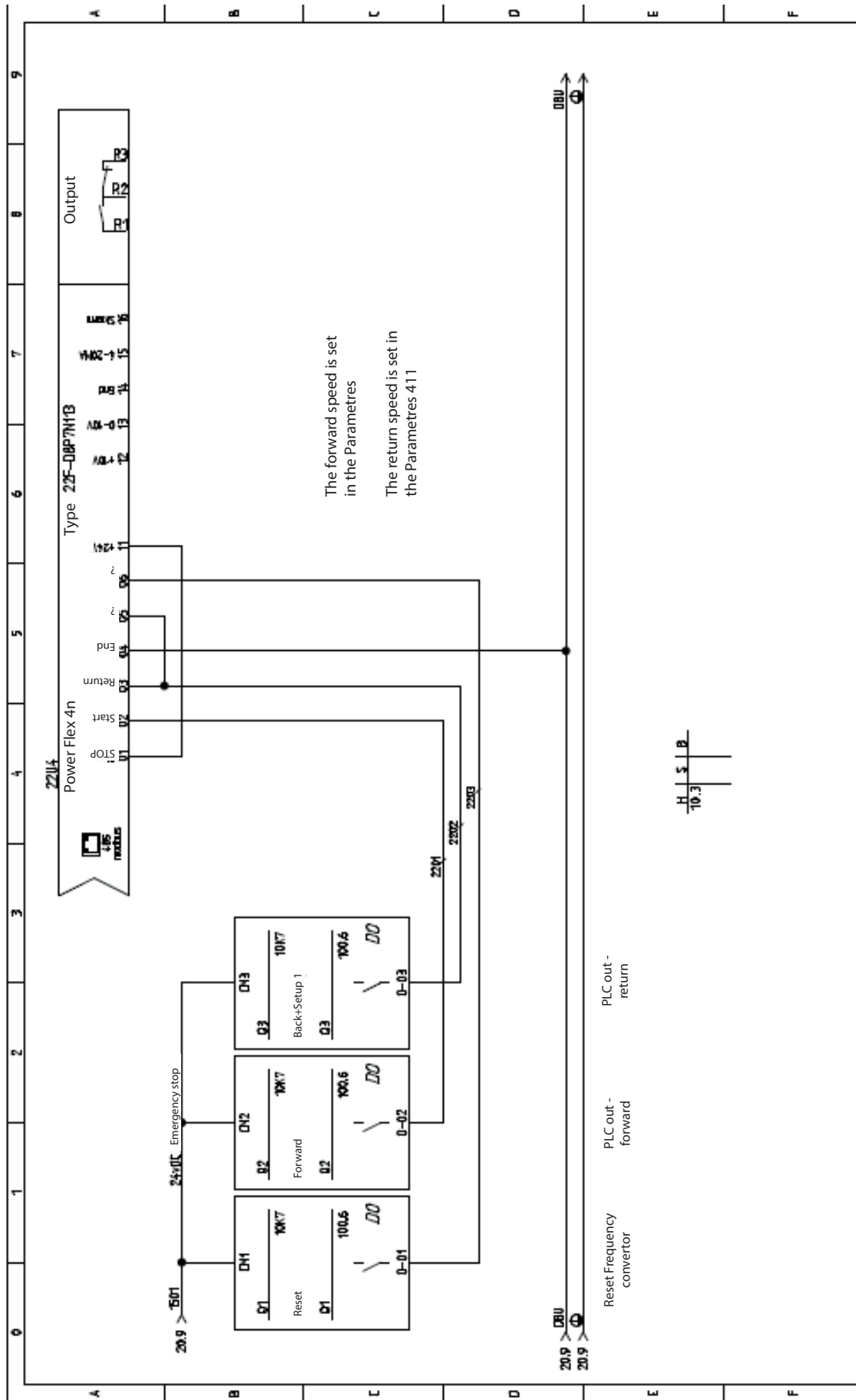
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			Date: 20-11-2014	Funct. 15	Plac: 15	Page: 15



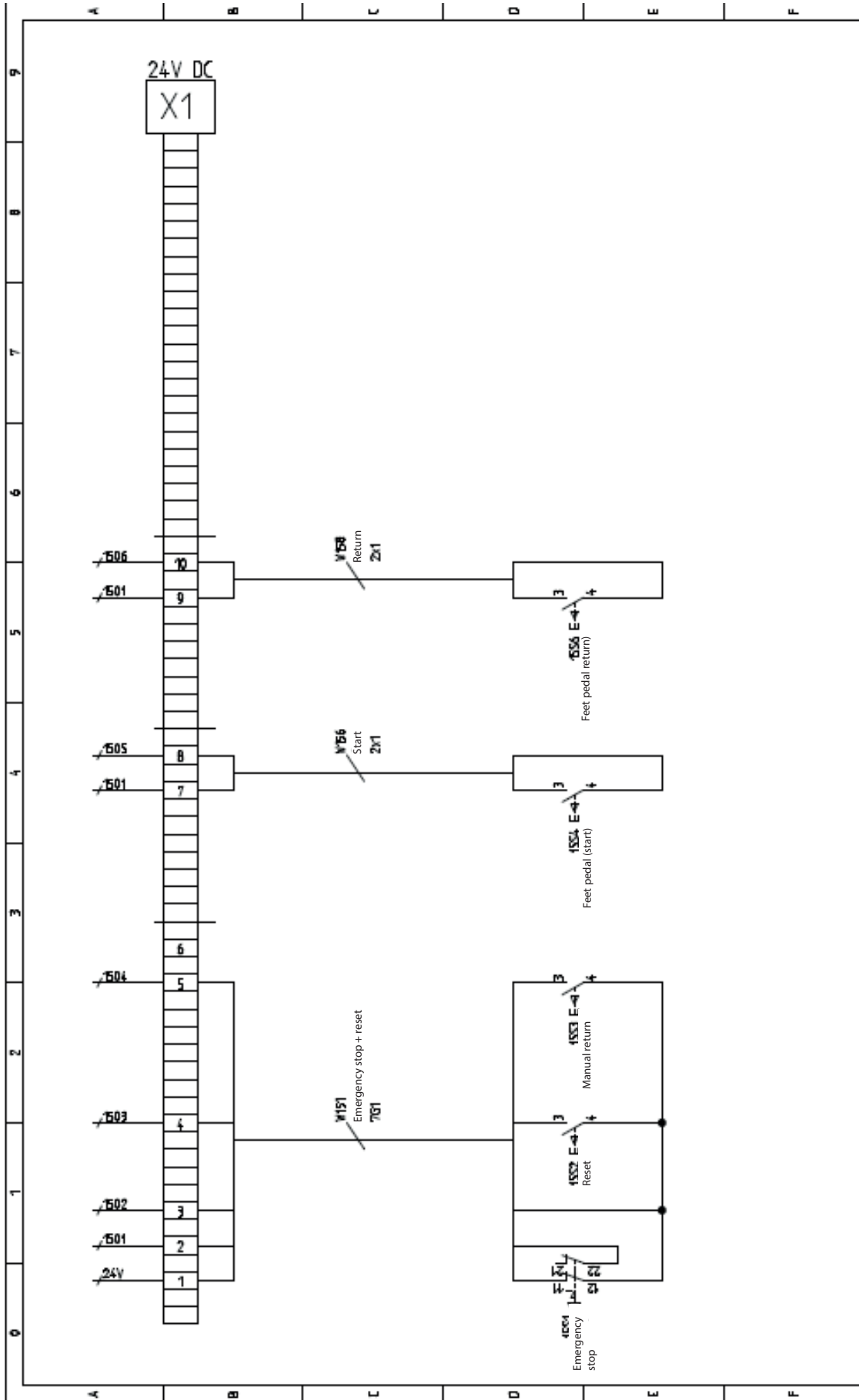
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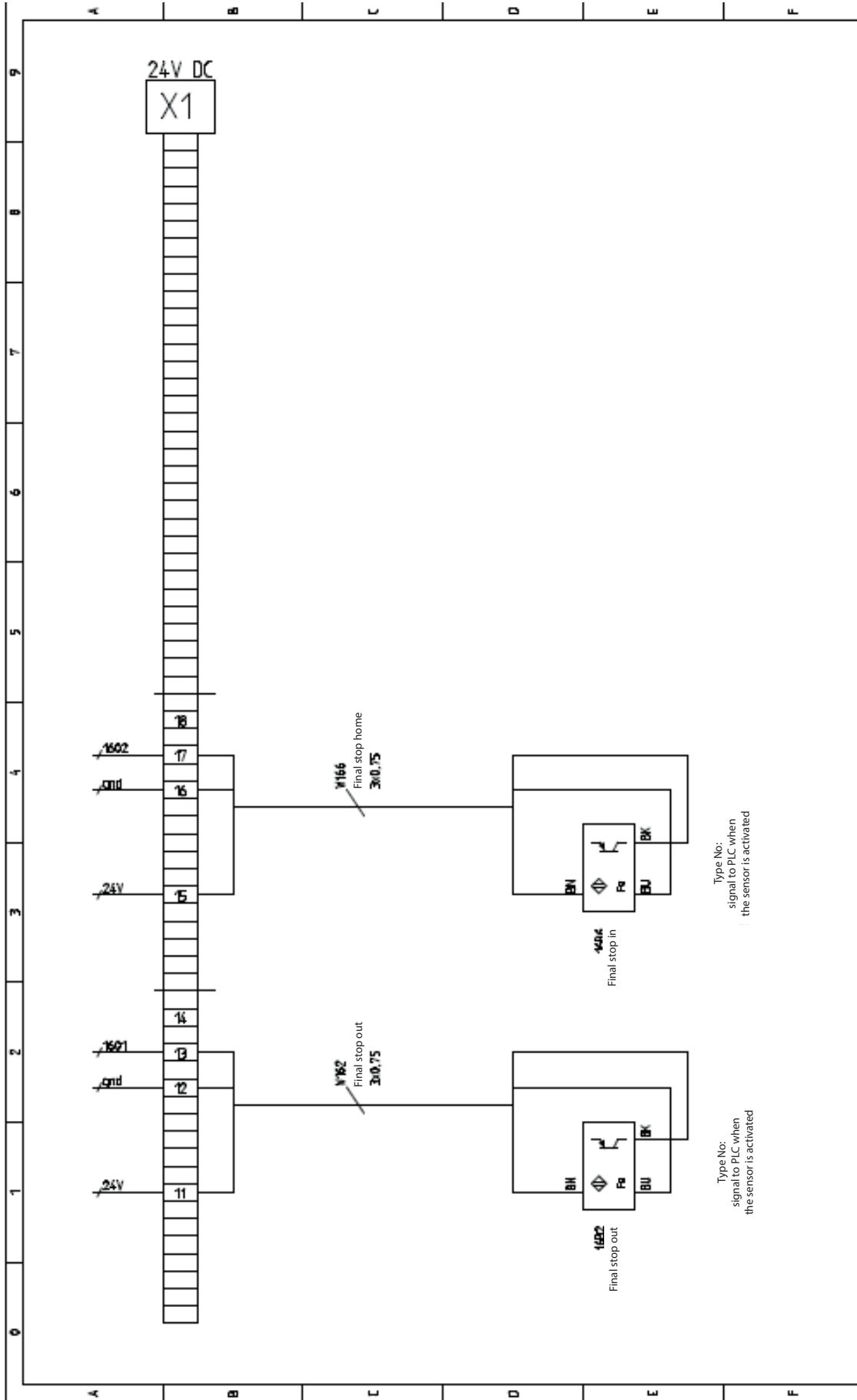
	Skinning tower December 2014	Emergency stop (effect) PLC out	Proj. no. GE10092-Run-in Date: 20-11-2014	Drawing no. Funct.	Updated: 20-11-2014 Plac.	Fuit: 15 Page: 20
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	Skinning tower December 2014	Frequency converter PLC OUT	Proj. no.: GE10092-RU057m Date: 20-11-2014	Drawing no.: Funct.:	Updated: 20-11-2014 Plac:	Fult: J5 Page: 22
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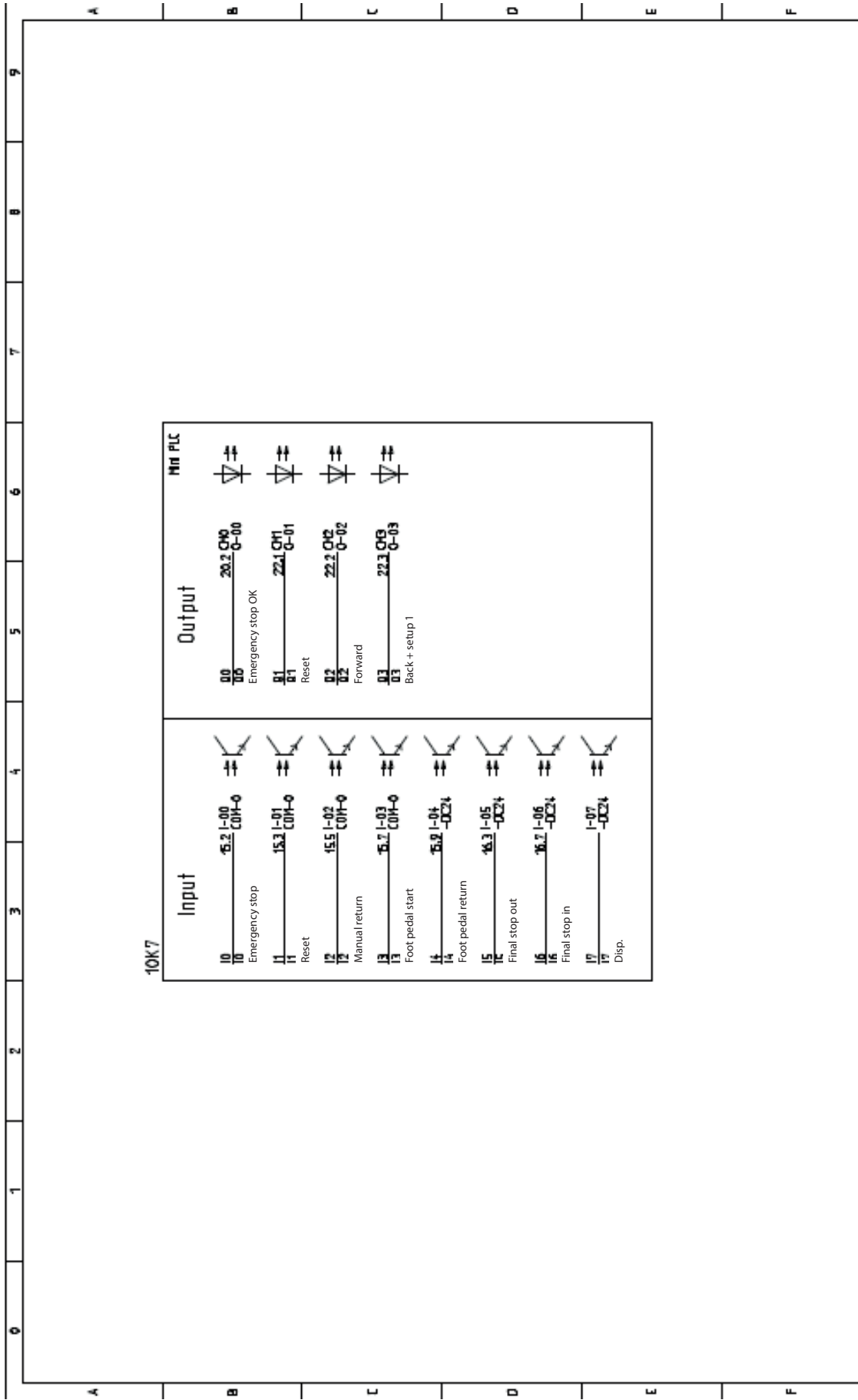
	Skinning tower December 2014	JAWS PLC OUT	Proj. no. GE10092-PLCOUT	Drawing no.	Updated: 20-11-2014	Fuit: X15
			Date: 20-11-2014	Funct.	Plac:	Page: 60



Type No:
signal to PLC when
the sensor is activated

Type No:
signal to PLC when
the sensor is activated

		Skinning tower December 2014		JAWS		Proj. no.: GE10092-R1A15-n	Drawing no.:	Updated: 20-11-2014	Fuit: AE
						Date: 20-11-2014	Funct.:	Plac.:	Page: 61



	Skinning tower December 2014	PLC reference Module O (PLC)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Proj. no. GE10092-PL015-n</td> <td style="width: 50%;">Drawing no.</td> </tr> <tr> <td>Date: 20-11-2014</td> <td>Funct.</td> </tr> <tr> <td colspan="2" style="text-align: right;">Updated: 20-11-2014</td> </tr> <tr> <td colspan="2" style="text-align: right;">Fuit: X5</td> </tr> <tr> <td colspan="2" style="text-align: right;">Page: 100</td> </tr> <tr> <td colspan="2" style="text-align: right;">Plac:</td> </tr> </table>	Proj. no. GE10092-PL015-n	Drawing no.	Date: 20-11-2014	Funct.	Updated: 20-11-2014		Fuit: X5		Page: 100		Plac:	
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Date: 20-11-2014	Funct.														
Updated: 20-11-2014															
Fuit: X5															
Page: 100															
Plac:															



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Item no. 32100080



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